

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051340.D
 Acq On : 20 Sep 2018 15:06
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:11 PM

Quant Time: Sep 21 04:14:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	698157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	487430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	723959	95.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.34%	
35) Dibromofluoromethane	7.59	113	730668	98.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.18%	
50) Toluene-d8	10.09	98	2809966	98.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.26%	
62) 4-Bromofluorobenzene	12.40	95	959875	103.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	557245	95.514	ug/l	96
3) Chloromethane	2.06	50	749938	90.605	ug/l	99
4) Vinyl Chloride	2.18	62	797730	97.003	ug/l	99
5) Bromomethane	2.55	94	552144	96.254	ug/l	96
6) Chloroethane	2.70	64	496455	98.230	ug/l	97
7) Trichlorofluoromethane	3.01	101	1154803	98.224	ug/l	98
8) Diethyl Ether	3.41	74	390512	103.811	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	697026	96.622	ug/l	99
10) Methyl Iodide	3.95	142	1167354	109.339	ug/l	99
11) Tert butyl alcohol	4.79	59	206415	514.528	ug/l	99
12) 1,1-Dichloroethene	3.74	96	654196	100.174	ug/l	99
13) Acrolein	3.61	56	258894	563.844	ug/l	98
14) Allyl chloride	4.32	41	965248	104.865	ug/l	99
15) Acrylonitrile	4.99	53	1057068	519.945	ug/l	99
16) Acetone	3.82	43	697137	448.478	ug/l	98
17) Carbon Disulfide	4.05	76	1951524	99.175	ug/l	98
18) Methyl Acetate	4.33	43	455741	85.321	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1701251	107.638	ug/l	99
20) Methylene Chloride	4.55	84	737585	94.826	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	706217	102.390	ug/l	98
22) Diisopropyl ether	5.95	45	1921653	105.688	ug/l	98
23) Vinyl Acetate	5.90	43	6414990	545.450	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1225194	98.852	ug/l	99
25) 2-Butanone	6.84	43	1084959	501.825	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1016942	99.296	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	794942	104.009	ug/l	99
28) Bromochloromethane	7.20	49	528542	102.891	ug/l	97
29) Tetrahydrofuran	7.21	42	714363	521.537	ug/l	99
30) Chloroform	7.37	83	1264858	97.107	ug/l	97
31) Cyclohexane	7.65	56	1114400	91.383	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1120104	99.806	ug/l	99
36) 1,1-Dichloropropene	7.79	75	989600	105.493	ug/l	99
37) Ethyl Acetate	6.93	43	487888	105.056	ug/l	98
38) Carbon Tetrachloride	7.77	117	1042334	102.712	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051340.D
 Acq On : 20 Sep 2018 15:06
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:11 PM

Quant Time: Sep 21 04:14:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1246946	113.898	ug/l	99
40) Benzene	8.04	78	2923861	103.445	ug/l	100
41) Methacrylonitrile	7.18	41	270577	111.839	ug/l	94
42) 1,2-Dichloroethane	8.12	62	859464	100.660	ug/l	100
43) Isopropyl Acetate	8.17	43	889326	109.346	ug/l	99
44) Trichloroethene	8.84	130	842402	103.823	ug/l	97
45) 1,2-Dichloropropane	9.12	63	743650	102.816	ug/l	100
46) Dibromomethane	9.21	93	450728	101.090	ug/l	99
47) Bromodichloromethane	9.40	83	985075	103.578	ug/l	99
48) Methyl methacrylate	9.20	41	456844	110.180	ug/l	98
49) 1,4-Dioxane	9.20	88	133578	2178.459	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2416464	552.349	ug/l	100
52) Toluene	10.16	92	1915286	110.047	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1032228	113.042	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1171271	110.780	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	653659	100.129	ug/l	99
56) Ethyl methacrylate	10.43	69	826915	119.925	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1080067	105.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2048557	604.241	ug/l	99
59) 2-Hexanone	10.75	43	1618045	548.587	ug/l	100
60) Dibromochloromethane	10.90	129	810605	106.479	ug/l	100
61) 1,2-Dibromoethane	11.00	107	667435	106.344	ug/l	100
64) Tetrachloroethene	10.63	164	784924	102.881	ug/l	99
65) Chlorobenzene	11.43	112	2175253	104.067	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	807380	101.463	ug/l	100
67) Ethyl Benzene	11.51	91	3642514	111.394	ug/l	100
68) m/p-Xylenes	11.62	106	2895077	225.357	ug/l	100
69) o-Xylene	11.95	106	1391793	112.385	ug/l	100
70) Styrene	11.96	104	2255325	117.326	ug/l	100
71) Bromoform	12.13	173	575101	106.489	ug/l #	99
73) Isopropylbenzene	12.25	105	3725455	104.286	ug/l	99
74) N-amyl acetate	12.07	43	790526	103.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	777662	88.210	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	617291m	87.698	ug/l	
77) Bromobenzene	12.53	156	978625	99.151	ug/l	100
78) n-propylbenzene	12.59	91	4150156	106.563	ug/l	100
79) 2-Chlorotoluene	12.67	91	2421972	100.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3094740	106.862	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	233828	115.005	ug/l	96
82) 4-Chlorotoluene	12.77	91	2454561	105.219	ug/l	100
83) tert-Butylbenzene	12.99	119	2746019	105.937	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3131361	108.942	ug/l	100
85) sec-Butylbenzene	13.17	105	3683499	106.857	ug/l	100
86) p-Isopropyltoluene	13.29	119	3366356	112.212	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1709019	103.013	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1652973	102.782	ug/l	100
89) n-Butylbenzene	13.61	91	2710176	116.212	ug/l	99
90) Hexachloroethane	13.87	117	587864	91.500	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1619603	101.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	112978	96.756	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051340.D
Acq On : 20 Sep 2018 15:06
Operator : MD\SY
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

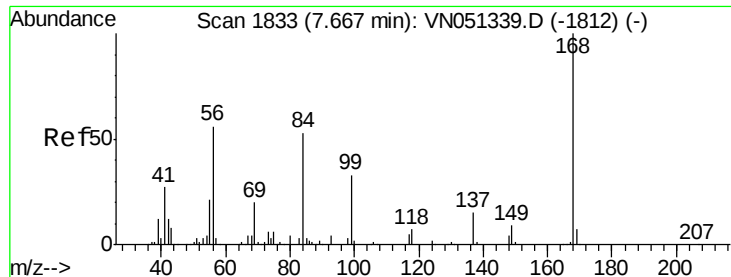
Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM

Quant Time: Sep 21 04:14:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	962533	131.013	ug/l	99
94) Hexachlorobutadiene	15.01	225	609010	97.917	ug/l	99
95) Naphthalene	15.13	128	1788691	138.112	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	907772	124.188	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 698157

Ion Ratio Lower Upper

168 100

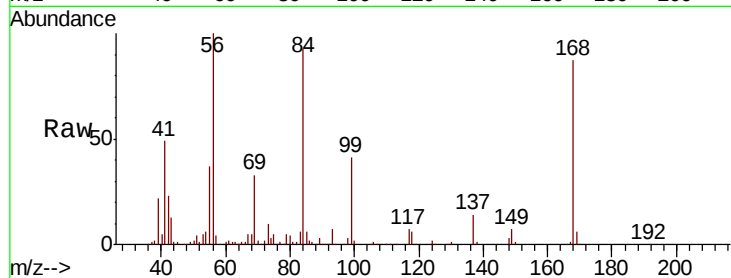
99 47.2 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

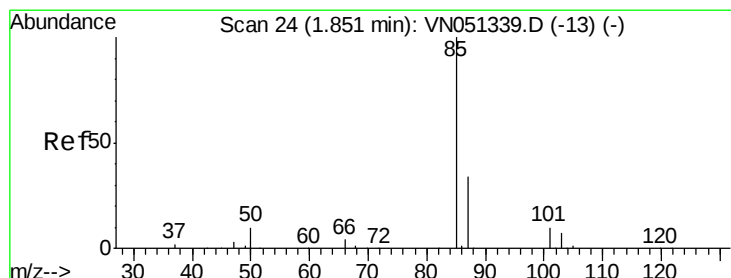
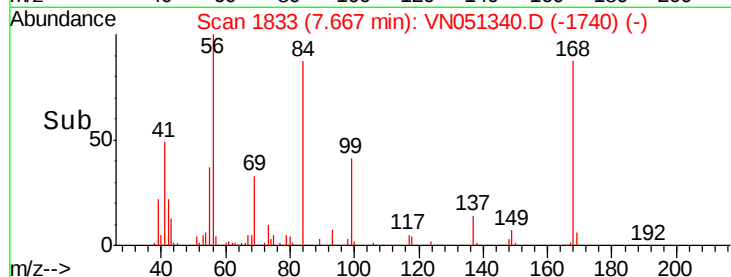
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 95.514 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051340.D

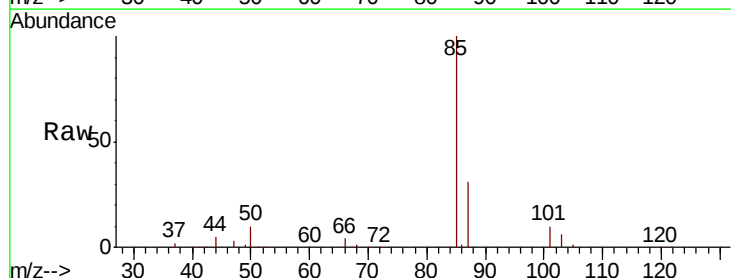
Acq: 20 Sep 2018 15:06

Tgt Ion: 85 Resp: 557245

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

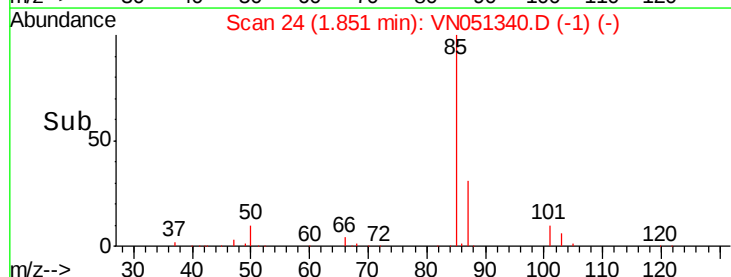
300000

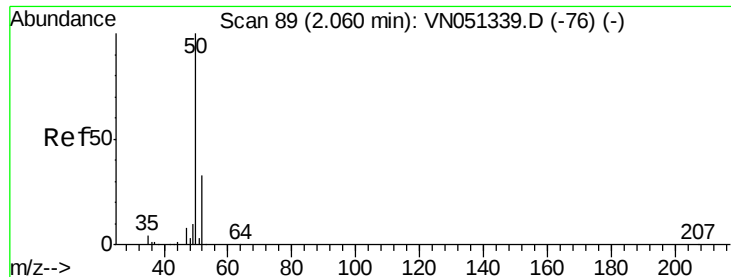
200000

100000

0

Time-->





#3

Chloromethane

Concen: 90.605 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 749938

Ion Ratio Lower Upper

50 100

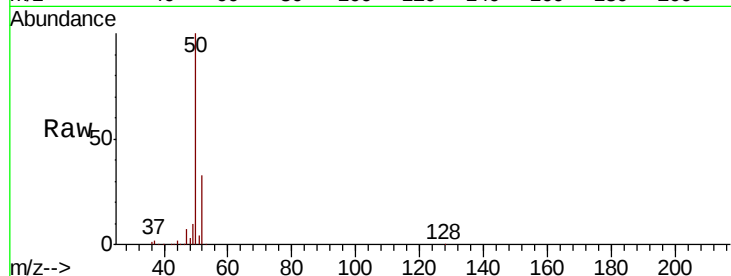
52 32.7 26.7 40.1

Manual Integrations

APPROVED

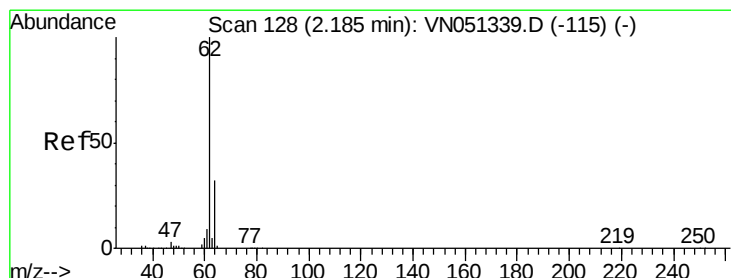
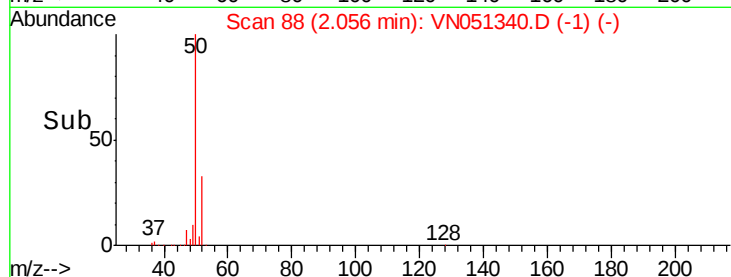
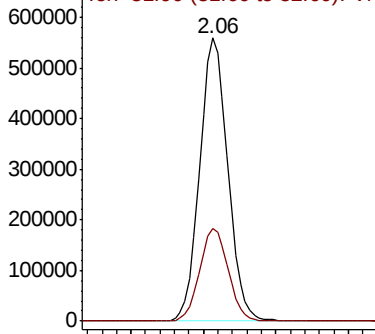
MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 97.003 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051340.D

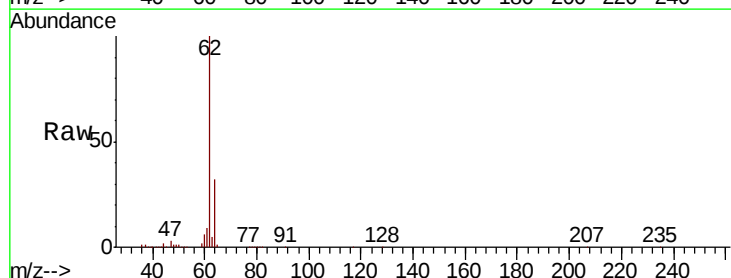
Acq: 20 Sep 2018 15:06

Tgt Ion: 62 Resp: 797730

Ion Ratio Lower Upper

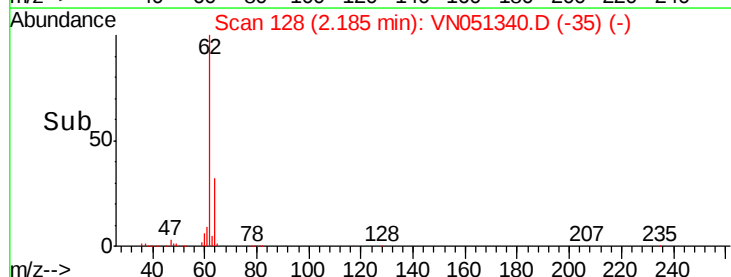
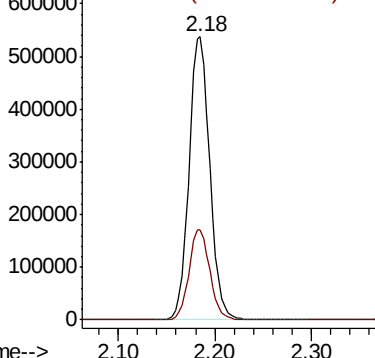
62 100

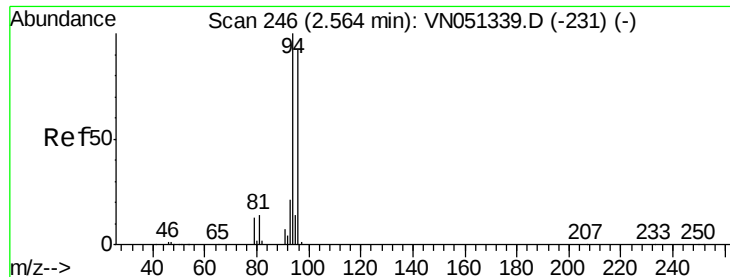
64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 96.254 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 552144

Ion Ratio Lower Upper

94 100

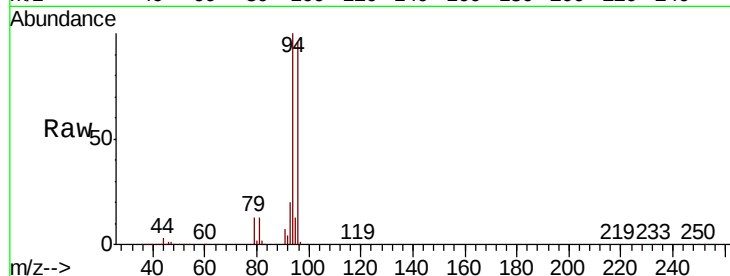
96 95.9 73.8 110.8

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

250000

200000

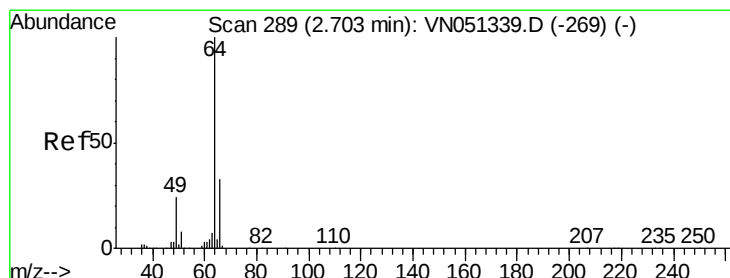
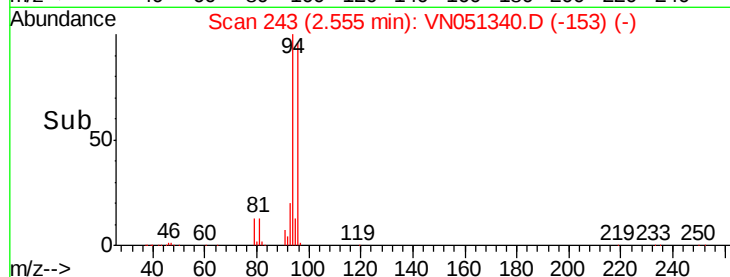
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 98.230 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051340.D

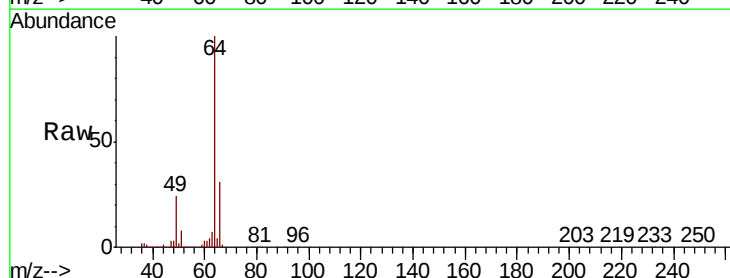
Acq: 20 Sep 2018 15:06

Tgt Ion: 64 Resp: 496455

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

250000

200000

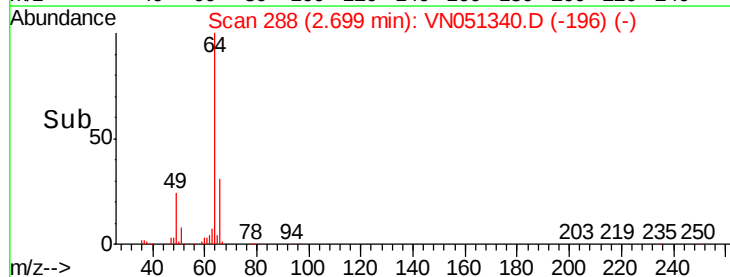
150000

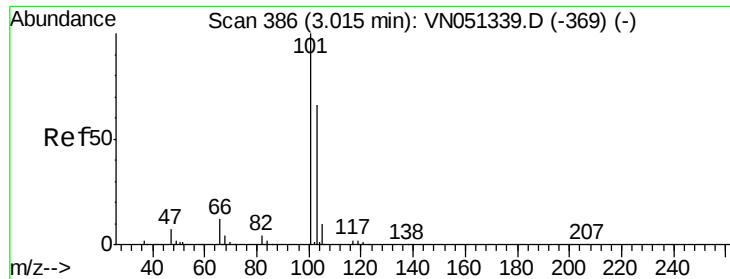
100000

50000

0

Time-->





#7

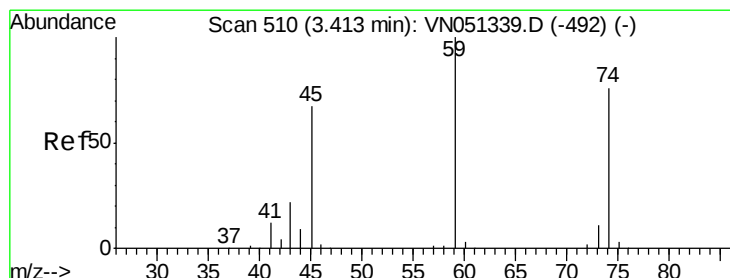
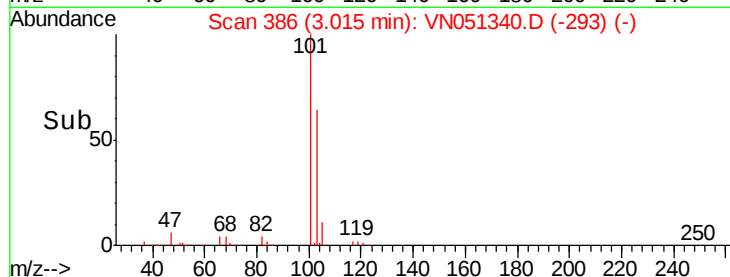
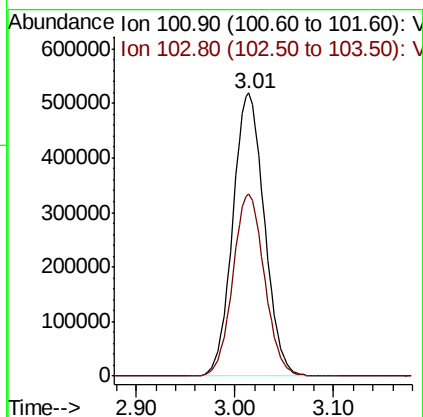
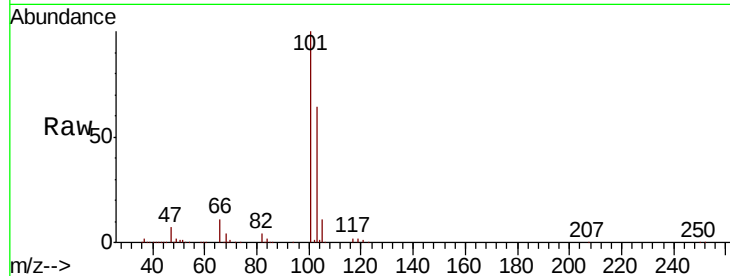
Trichlorofluoromethane
Concen: 98.224 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1154803
Ion Ratio Lower Upper
101 100
103 64.2 52.7 79.1

Manual Integrations
APPROVED

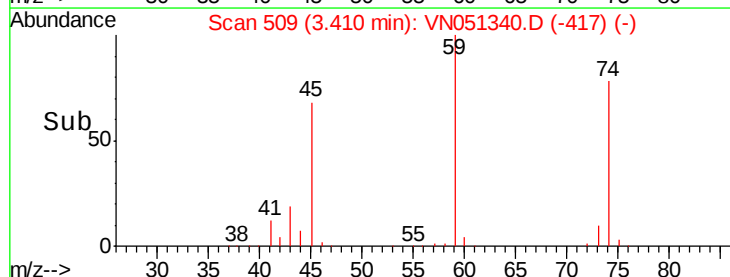
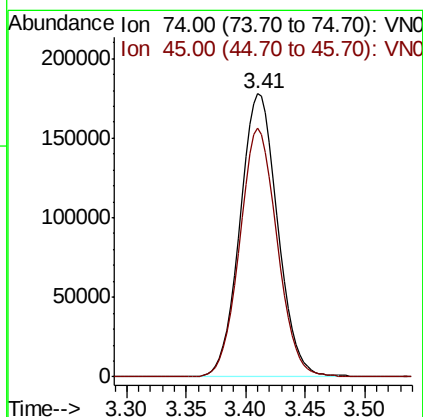
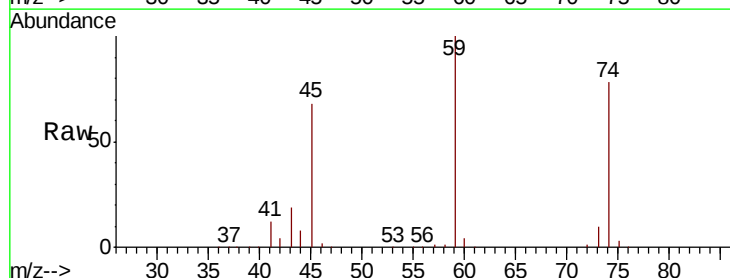
MMDadoda
9/24/2018 2:48:11 PM

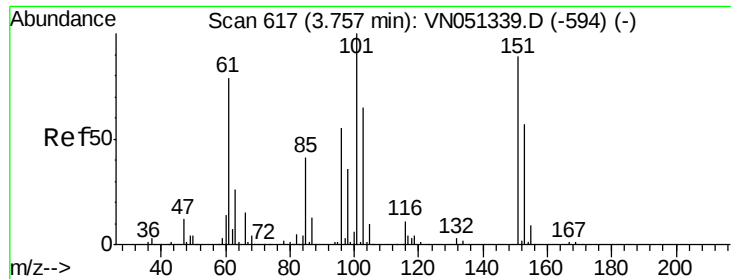


#8

Diethyl Ether
Concen: 103.811 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 74 Resp: 390512
Ion Ratio Lower Upper
74 100
45 87.2 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.622 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

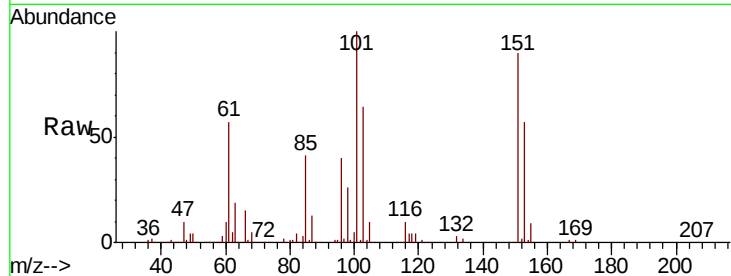
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	697026
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.2
151	89.2	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM

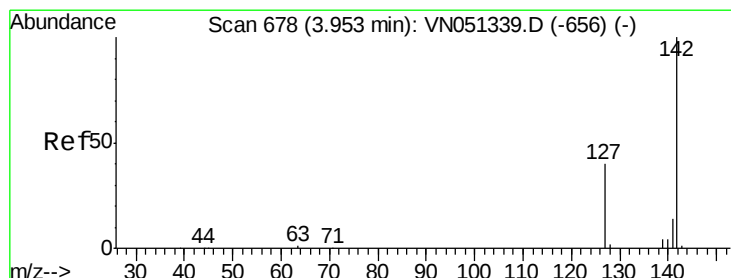
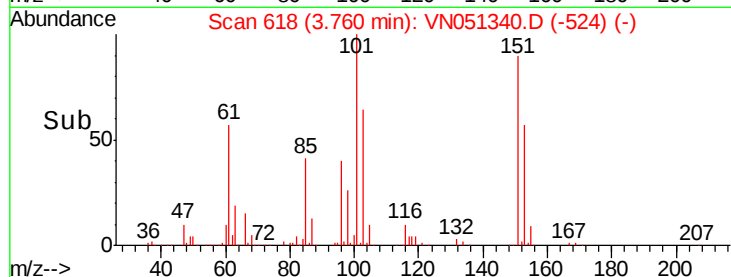
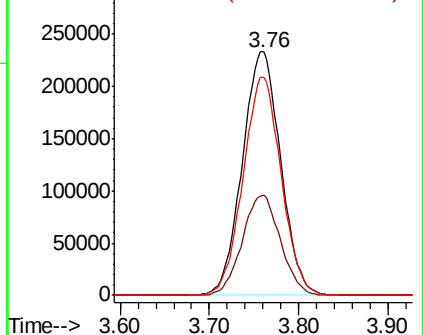


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 109.339 ug/l

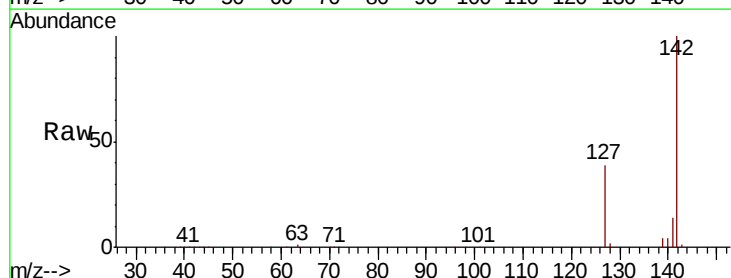
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:	142	Resp:	1167354
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.9	47.9
141	14.3	11.4	17.0

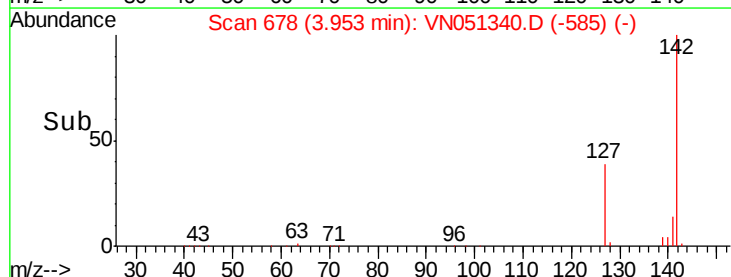
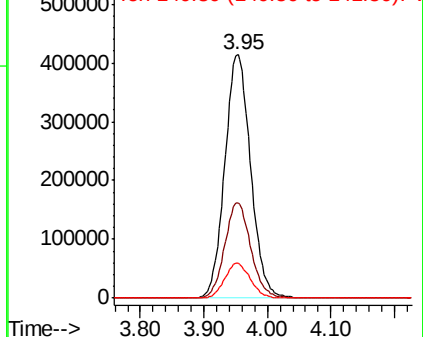


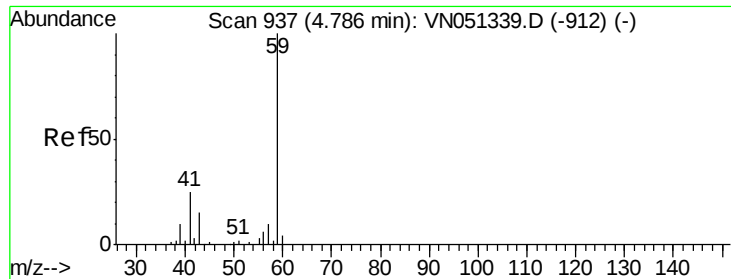
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





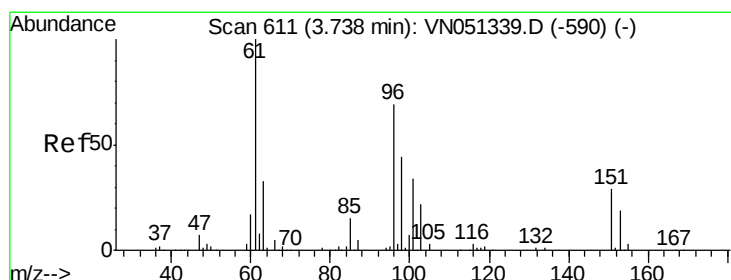
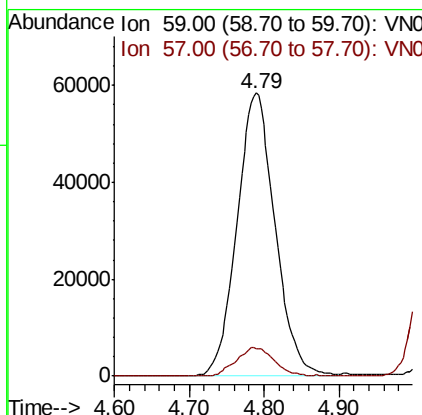
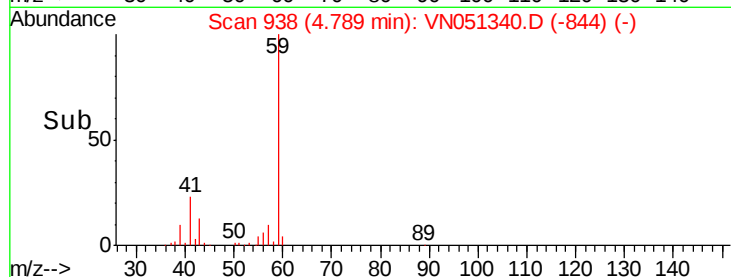
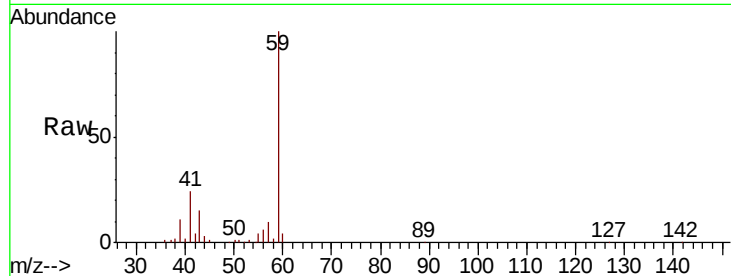
#11
Tert butyl alcohol
Concen: 514.528 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 206415
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

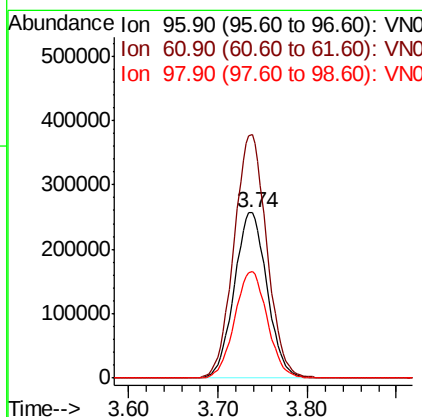
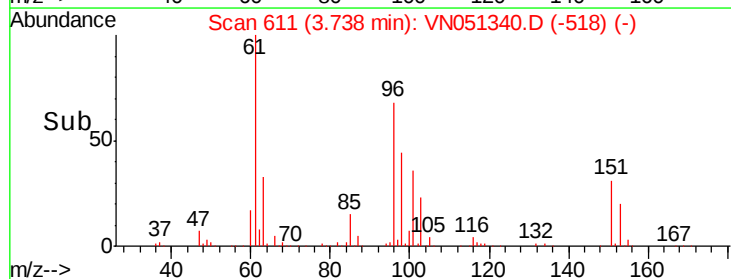
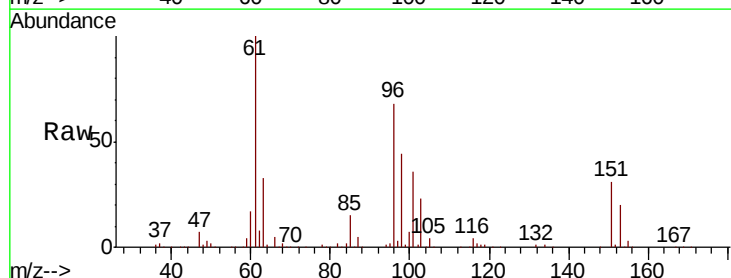
Manual Integrations
APPROVED

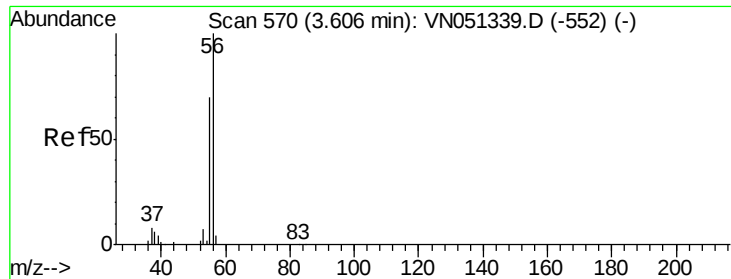
MMDadoda
9/24/2018 2:48:11 PM



#12
1,1-Dichloroethene
Concen: 100.174 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 96 Resp: 654196
Ion Ratio Lower Upper
96 100
61 147.1 116.4 174.6
98 64.3 50.9 76.3





#13

Acrolein

Concen: 563.844 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 258894

Ion Ratio Lower Upper

56 100

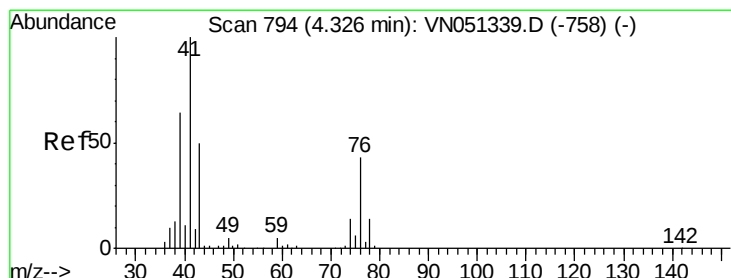
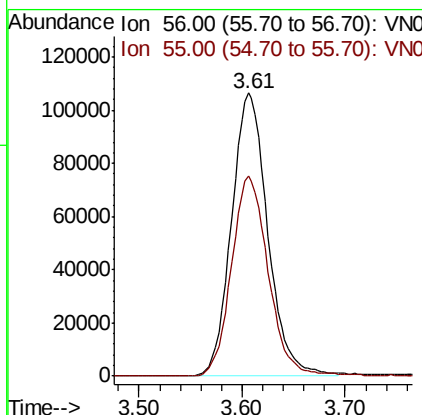
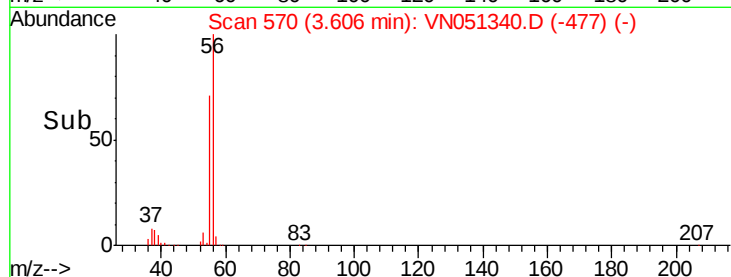
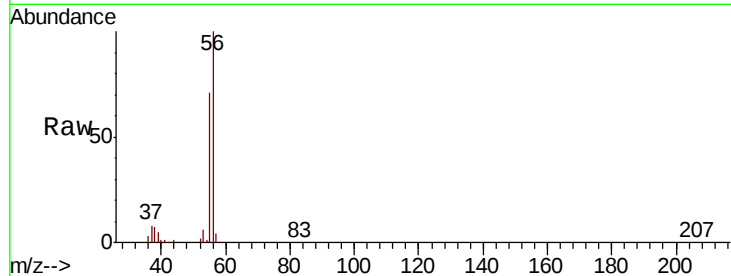
55 72.0 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



#14

Allyl chloride

Concen: 104.865 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

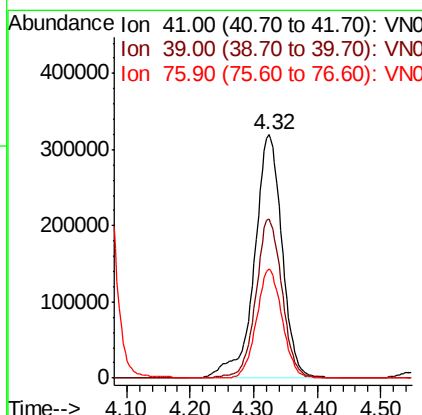
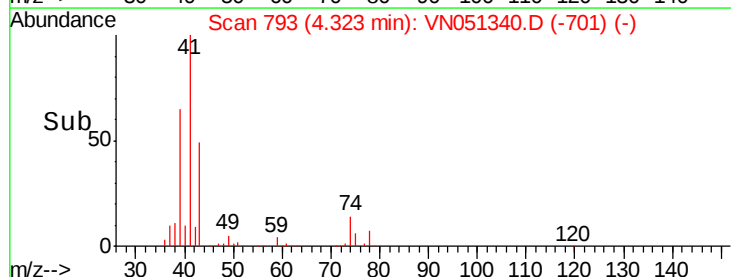
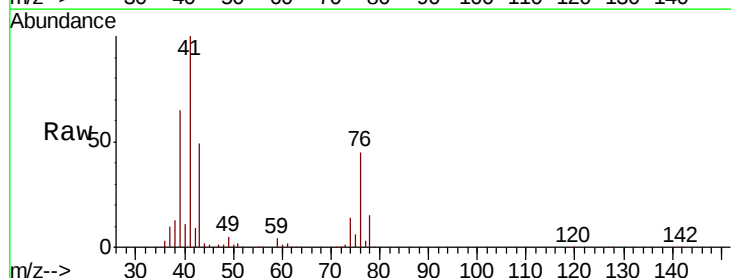
Tgt Ion: 41 Resp: 965248

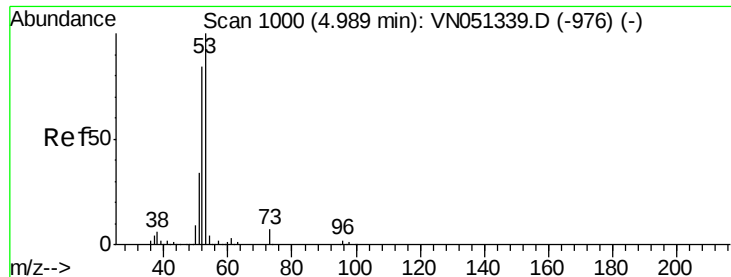
Ion Ratio Lower Upper

41 100

39 62.3 50.4 75.6

76 40.9 32.4 48.6





#15

Acrylonitrile

Concen: 519.945 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1057068

Ion Ratio Lower Upper

53 100

52 82.3 65.4 98.0

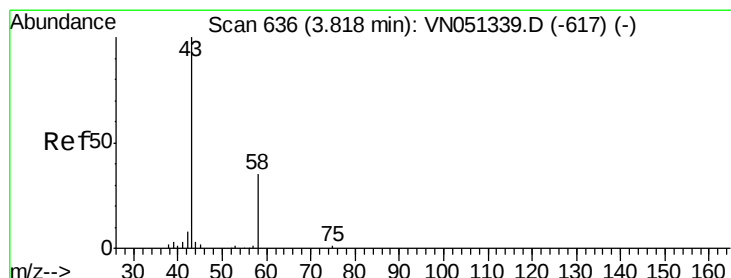
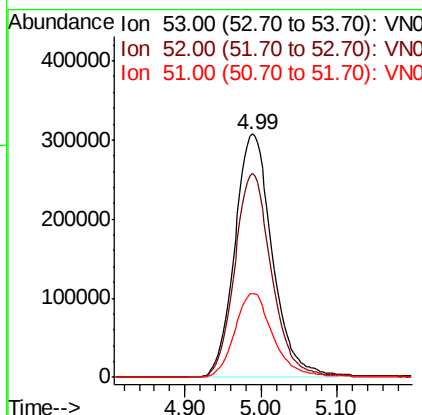
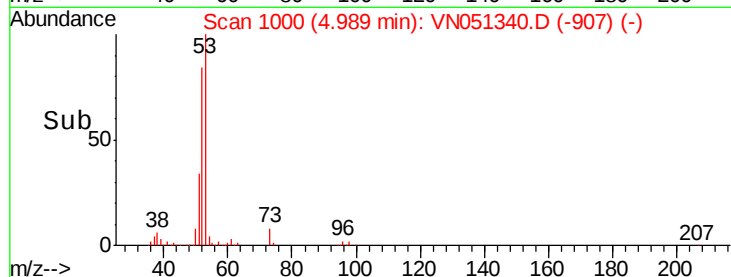
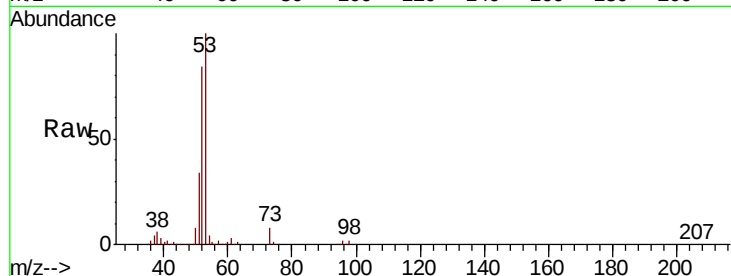
51 35.2 28.3 42.5

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



#16

Acetone

Concen: 448.478 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051340.D

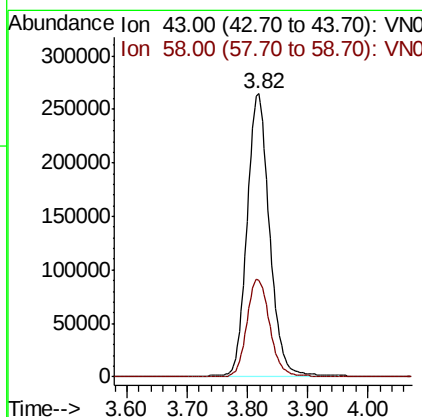
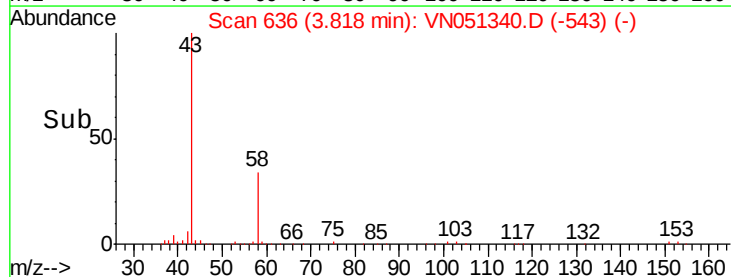
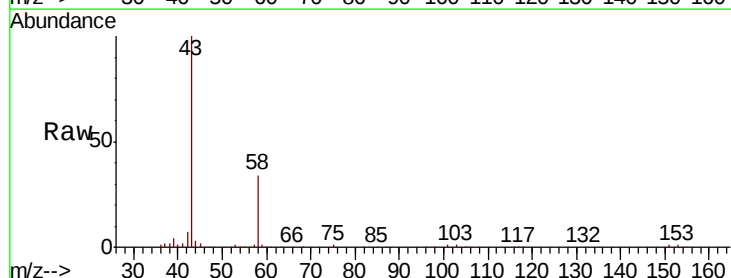
Acq: 20 Sep 2018 15:06

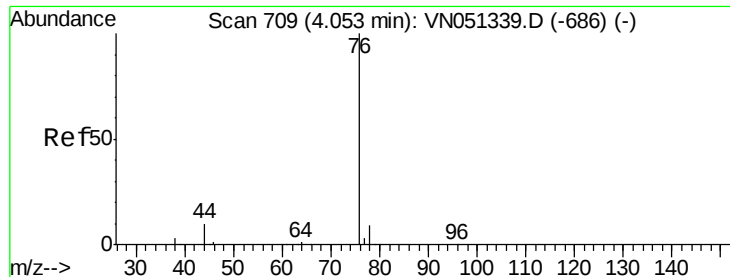
Tgt Ion: 43 Resp: 697137

Ion Ratio Lower Upper

43 100

58 34.2 28.3 42.5





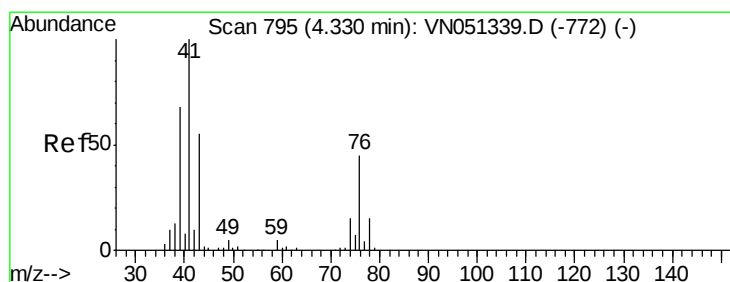
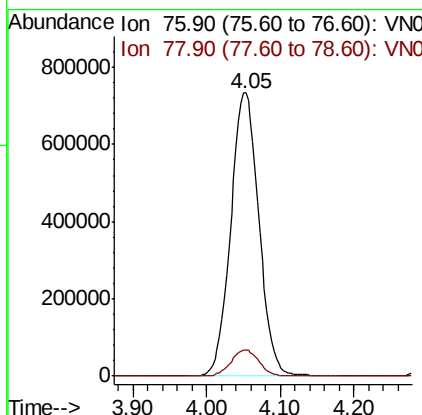
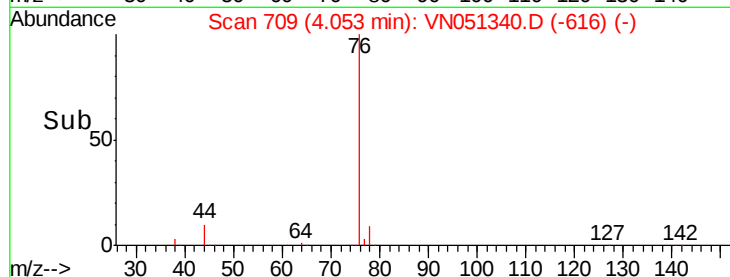
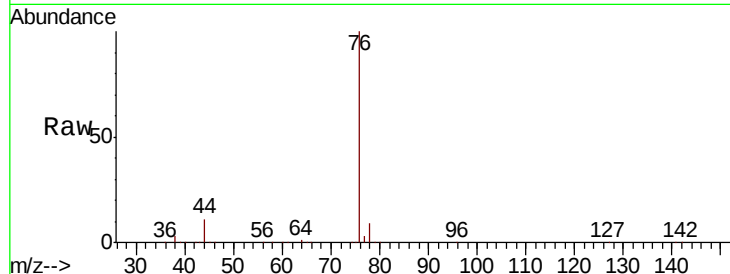
#17
Carbon Disulfide
Concen: 99.175 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1951524
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

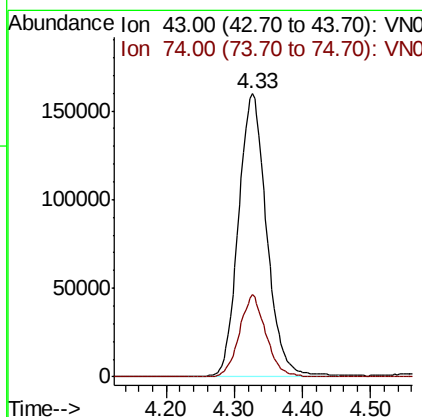
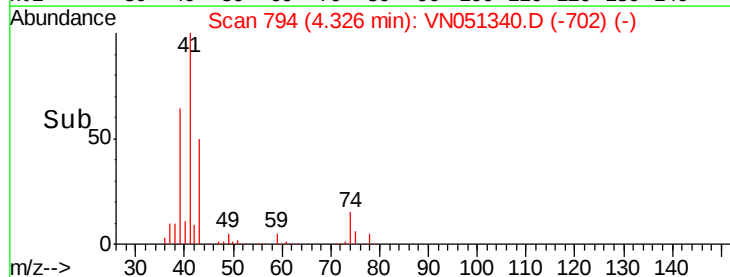
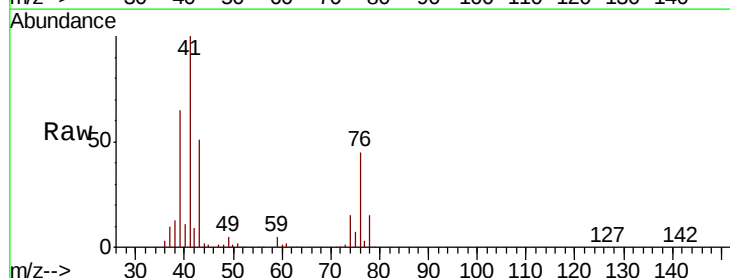
Manual Integrations
APPROVED

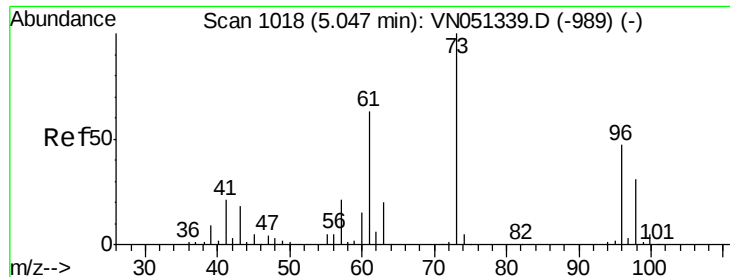
MMDadoda
9/24/2018 2:48:11 PM



#18
Methyl Acetate
Concen: 85.321 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 43 Resp: 455741
Ion Ratio Lower Upper
43 100
74 27.5 21.7 32.5





#19

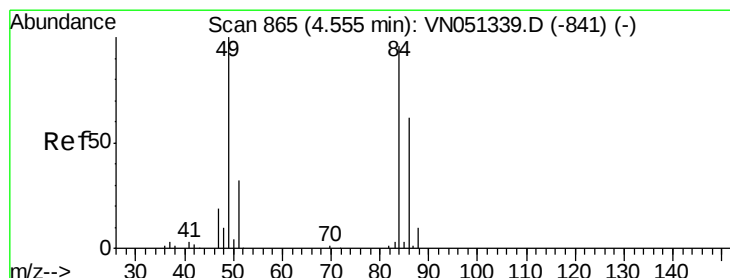
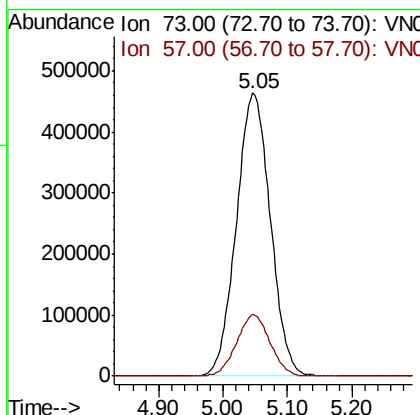
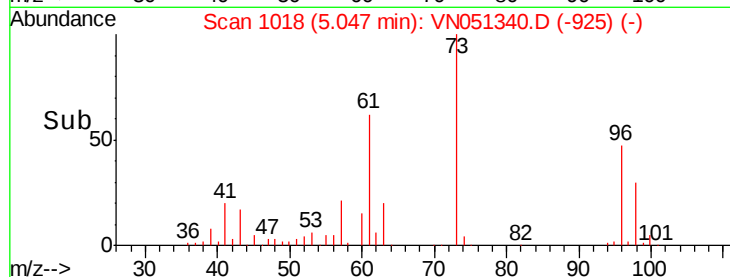
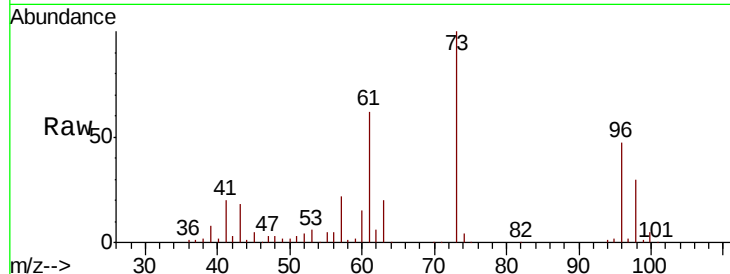
Methyl tert-butyl Ether
 Concen: 107.638 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 73 Resp: 1701251
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.9 25.3

Manual Integrations
 APPROVED

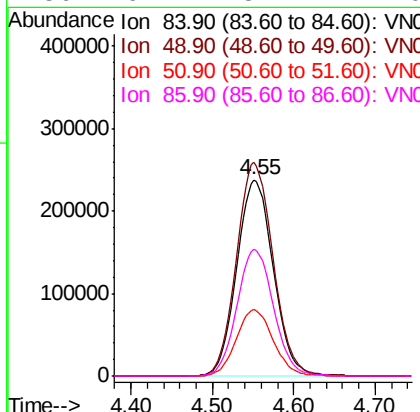
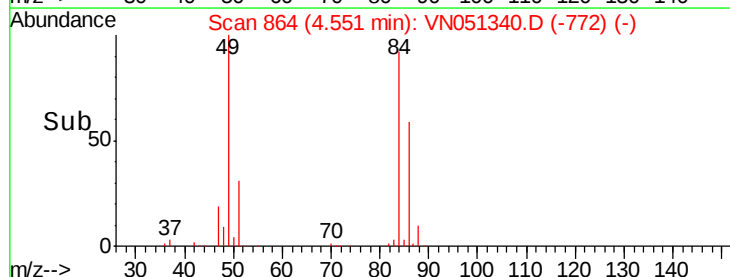
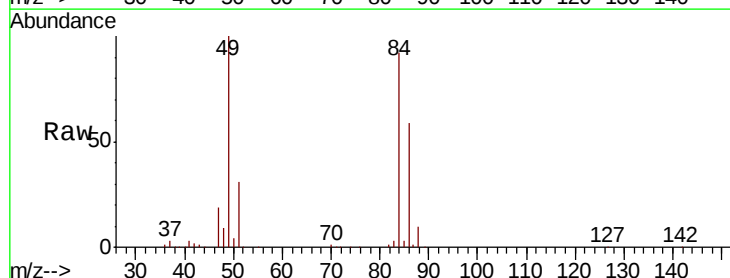
MMDadoda
 9/24/2018 2:48:11 PM

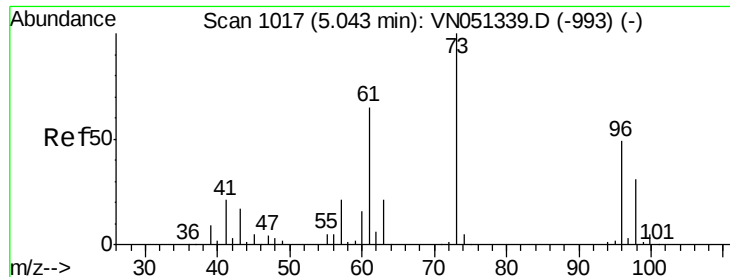


#20

Methylene Chloride
 Concen: 94.826 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion: 84 Resp: 737585
 Ion Ratio Lower Upper
 84 100
 49 109.0 83.2 124.8
 51 33.8 26.4 39.6
 86 64.7 51.4 77.0





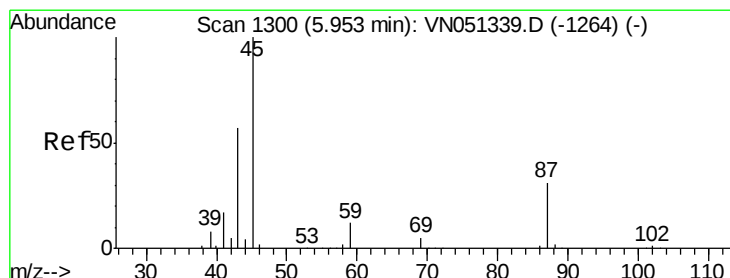
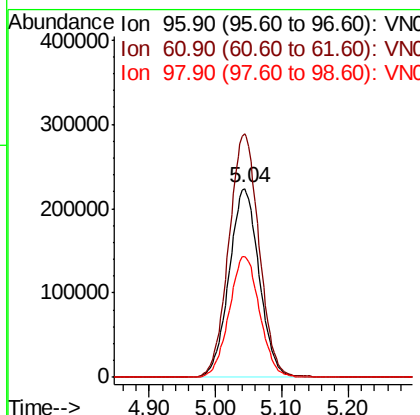
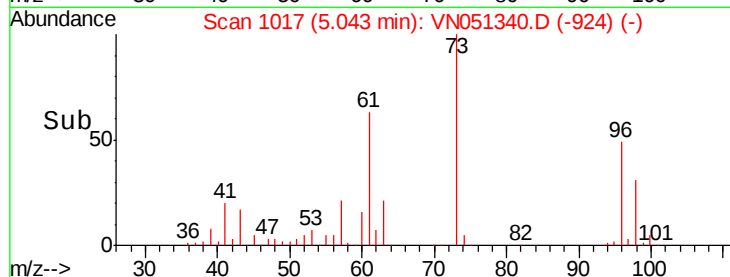
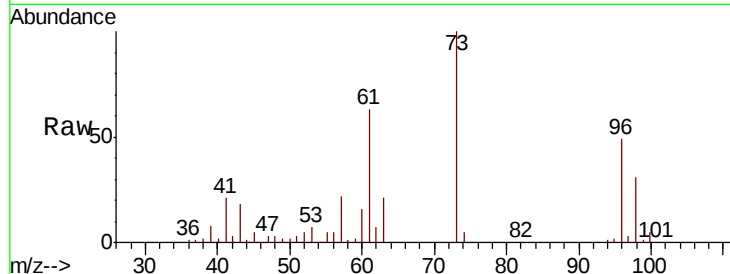
#21
trans-1,2-Dichloroethene
Concen: 102.390 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	106.2	159.4
98	64.2	51.0	76.6

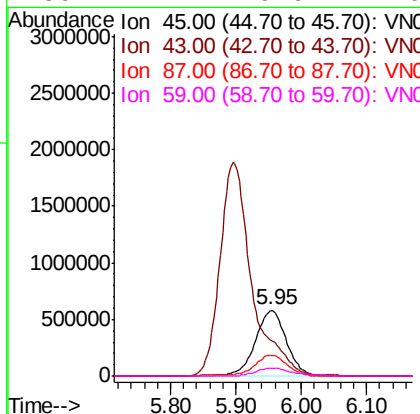
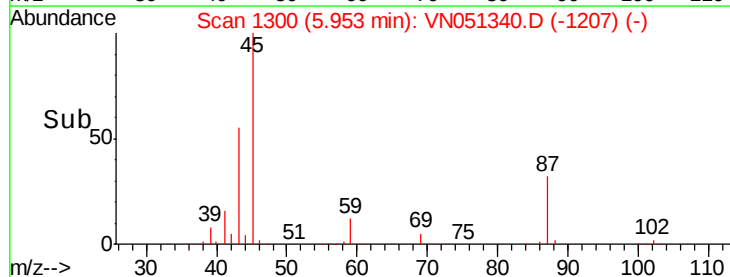
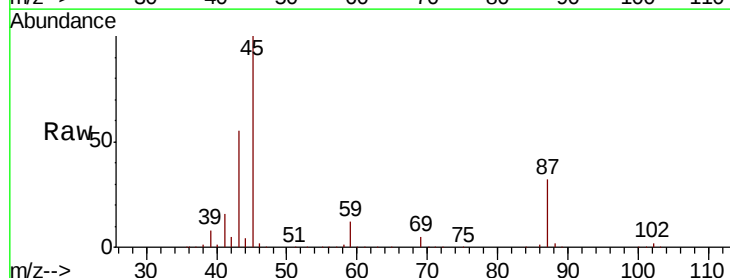
Manual Integrations
APPROVED

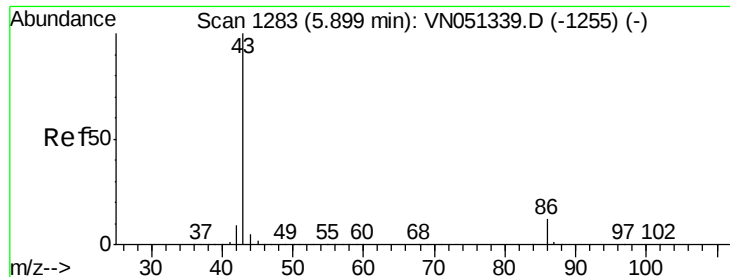
MMDadoda
9/24/2018 2:48:11 PM



#22
Diisopropyl ether
Concen: 105.688 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	46.1	69.1
87	31.9	25.6	38.4
59	12.2	9.9	14.9





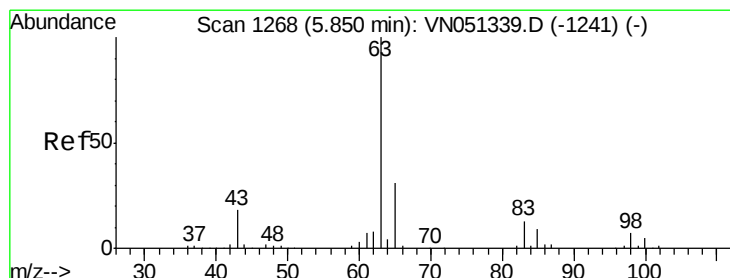
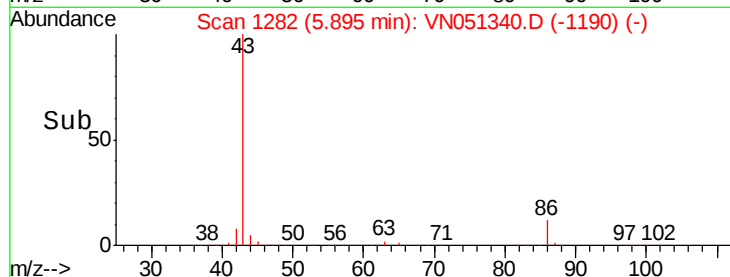
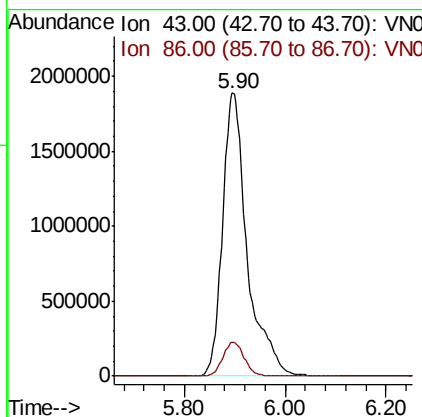
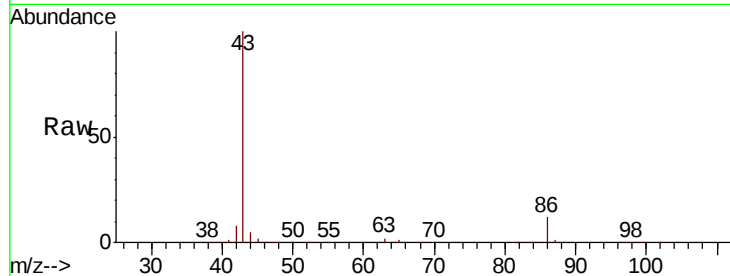
#23
 Vinyl Acetate
 Concen: 545.450 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 6414990
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.8 14.6

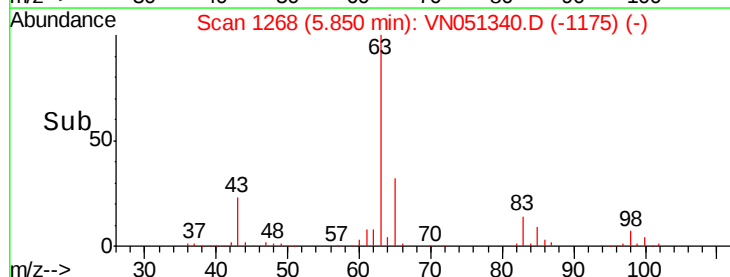
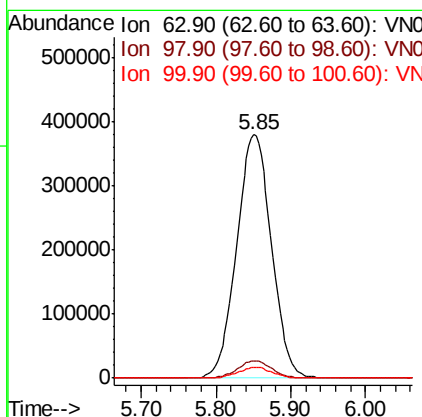
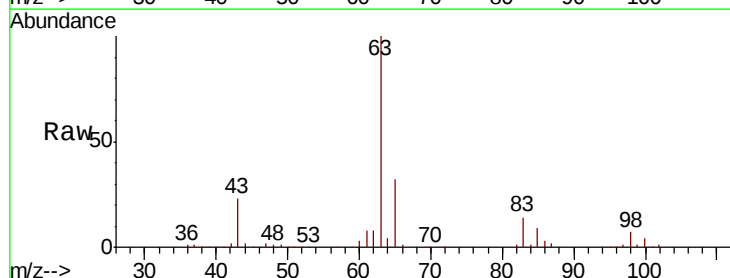
Manual Integrations
 APPROVED

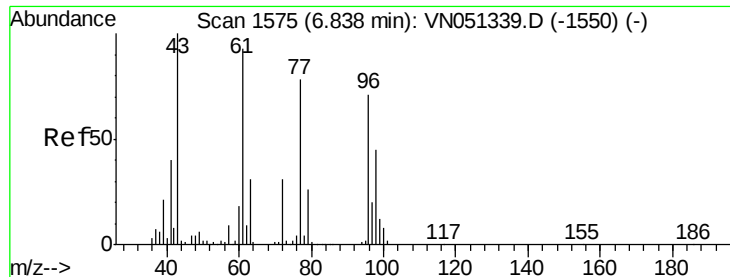
MMDadoda
 9/24/2018 2:48:11 PM



#24
 1,1-Dichloroethane
 Concen: 98.852 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion: 63 Resp: 1225194
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.2
 100 4.3 2.3 6.9





#25

2-Butanone

Concen: 501.825 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1084959

Ion Ratio Lower Upper

43 100

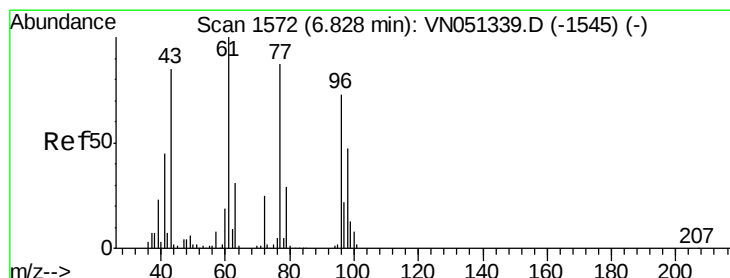
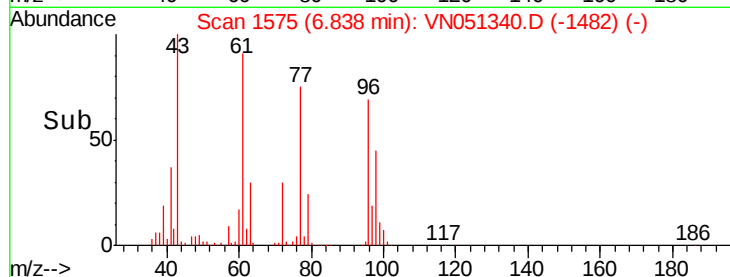
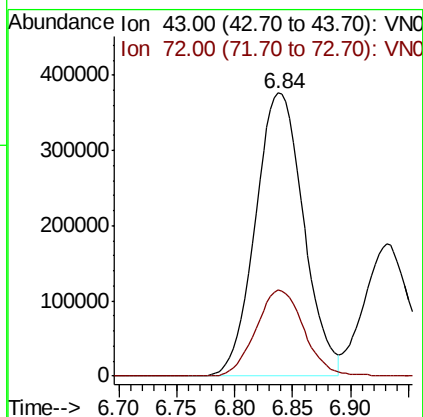
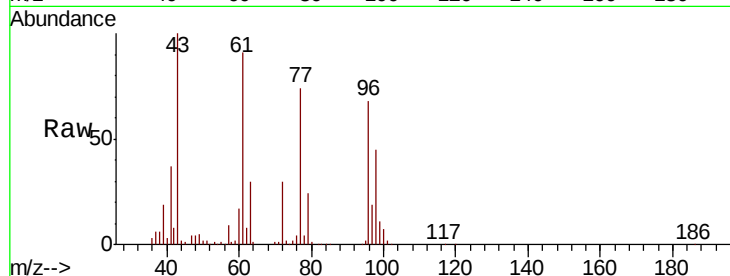
72 30.3 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



#26

2,2-Dichloropropane

Concen: 99.296 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051340.D

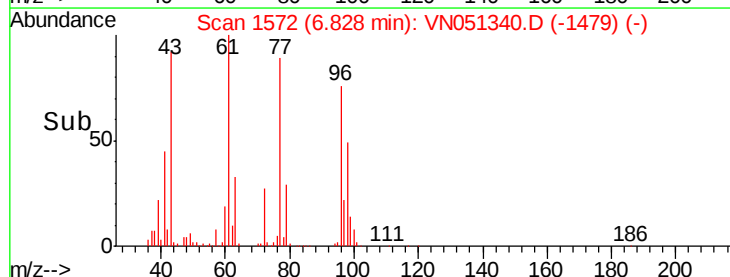
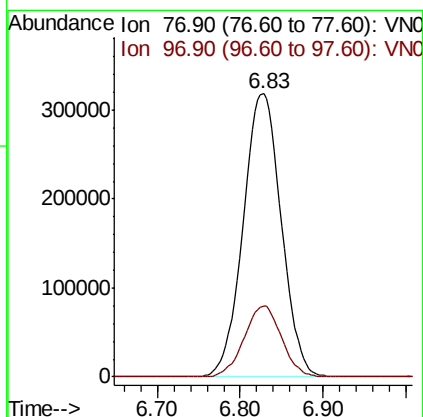
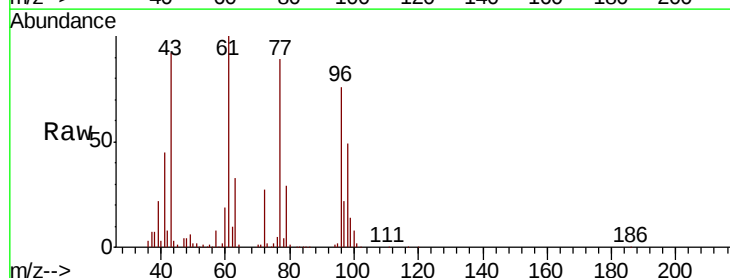
Acq: 20 Sep 2018 15:06

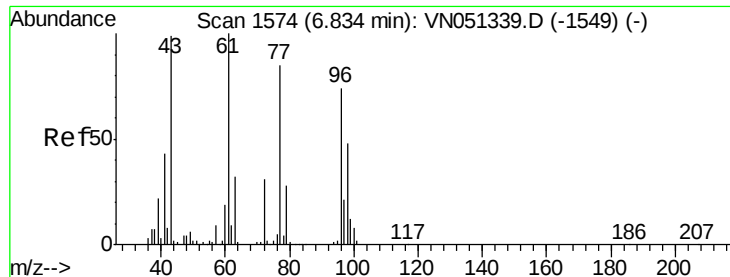
Tgt Ion: 77 Resp: 1016942

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 104.009 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

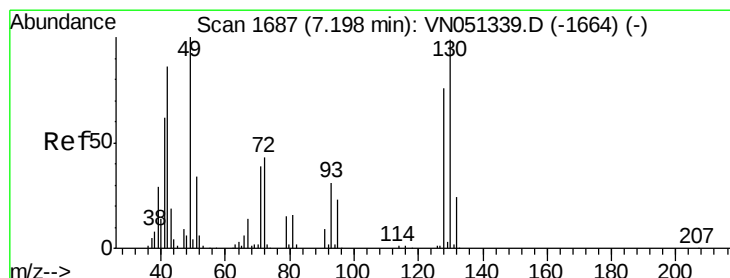
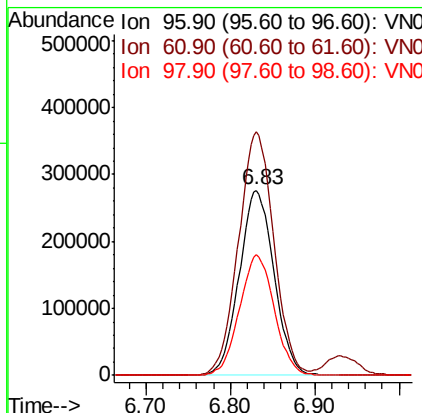
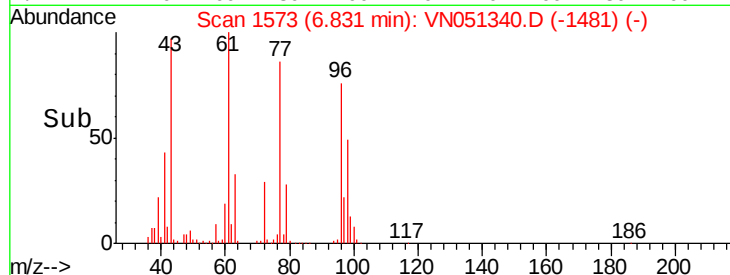
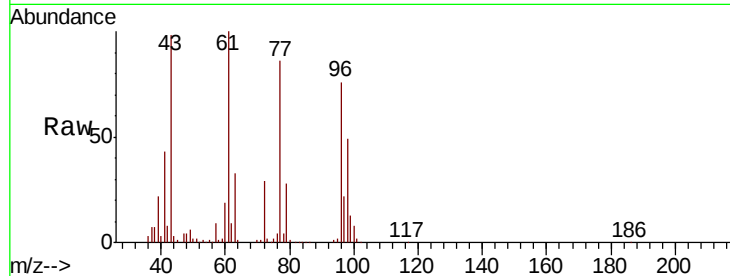
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	794942
Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	271.2
98	65.1	0.0	131.2

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM



#28

Bromochloromethane

Concen: 102.891 ug/l

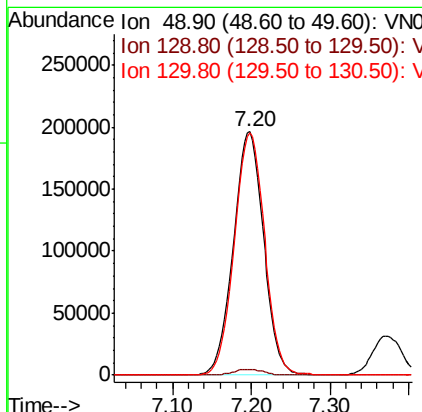
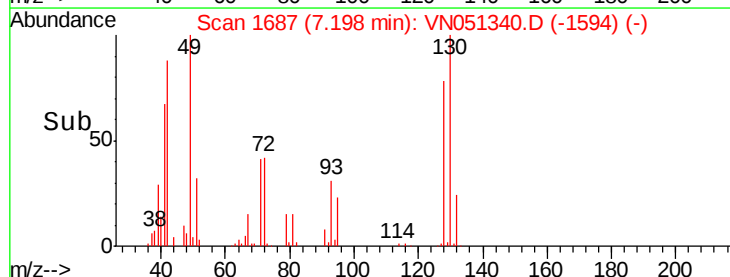
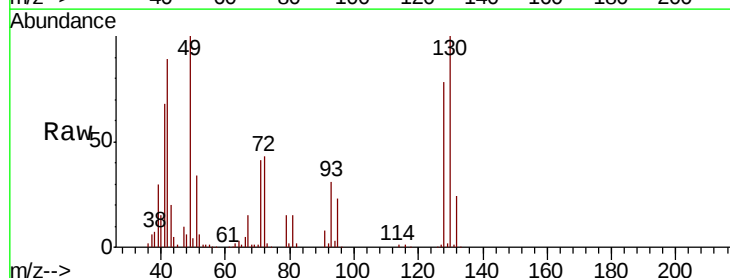
RT: 7.20 min Scan# 1687

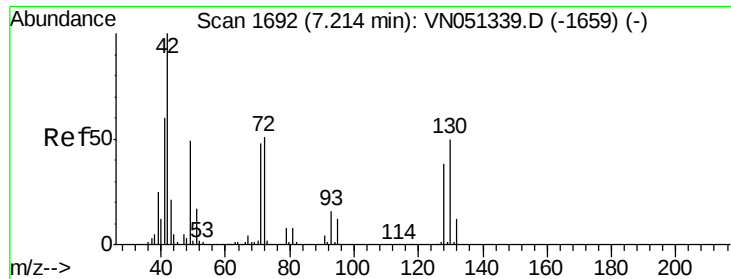
Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:	49	Resp:	528542
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	99.7	77.4	116.2





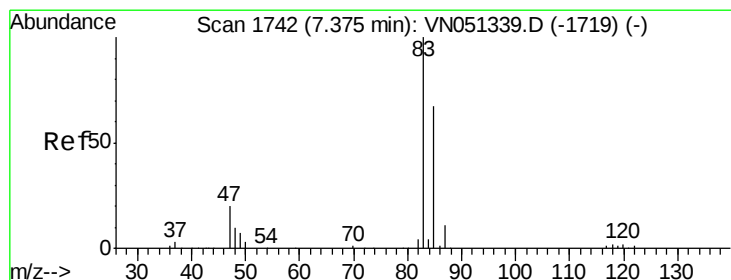
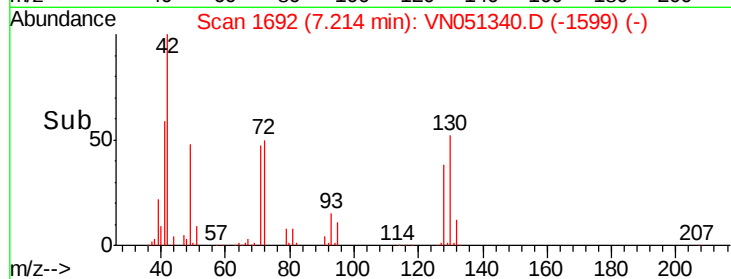
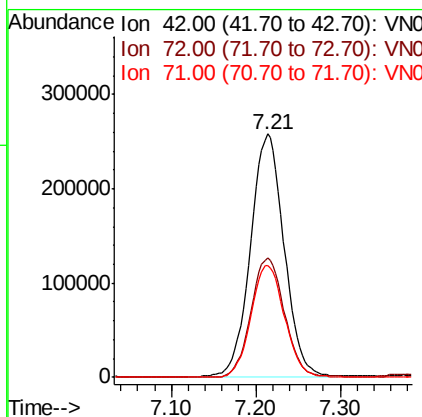
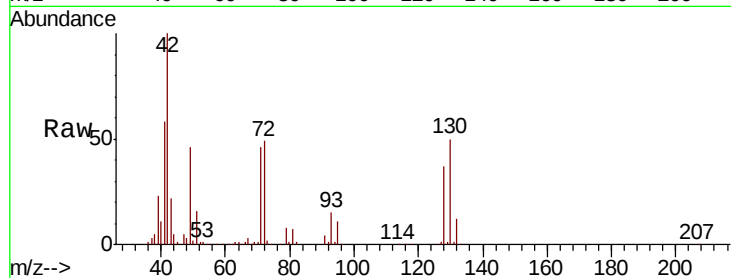
#29
Tetrahydrofuran
Concen: 521.537 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.0	58.4
71	46.1	36.5	54.7

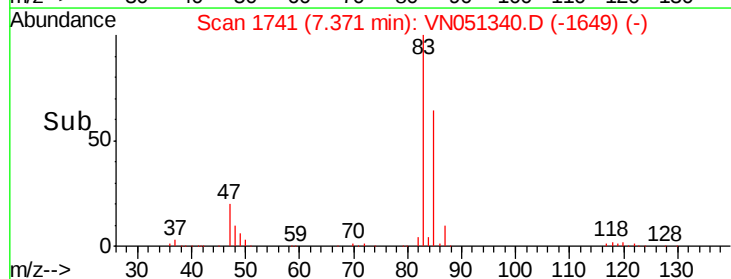
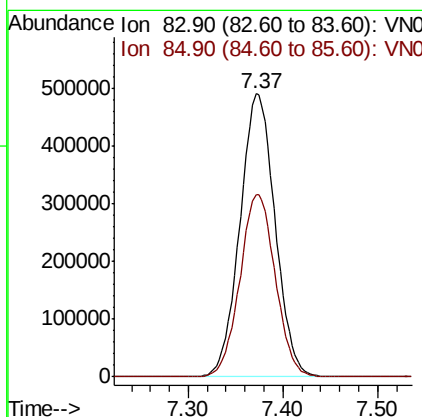
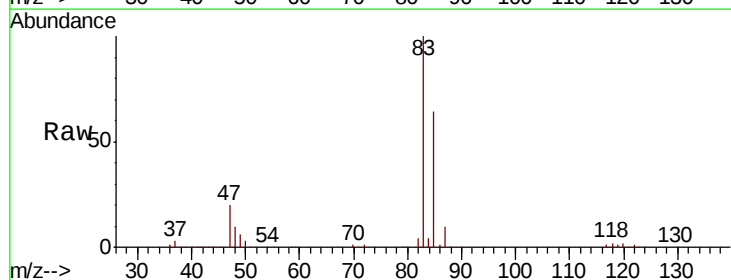
Manual Integrations
APPROVED

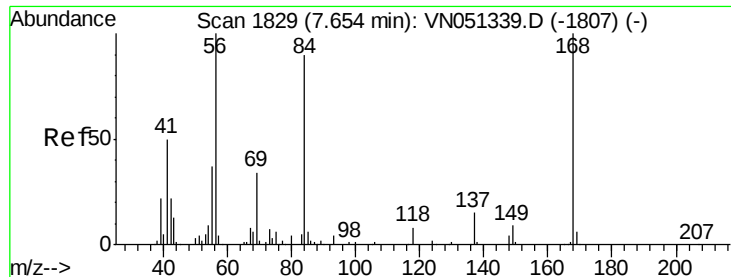
MMDadoda
9/24/2018 2:48:11 PM



#30
Chloroform
Concen: 97.107 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.2	79.8





#31

Cyclohexane

Concen: 91.383 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1114400

Ion Ratio Lower Upper

56 100

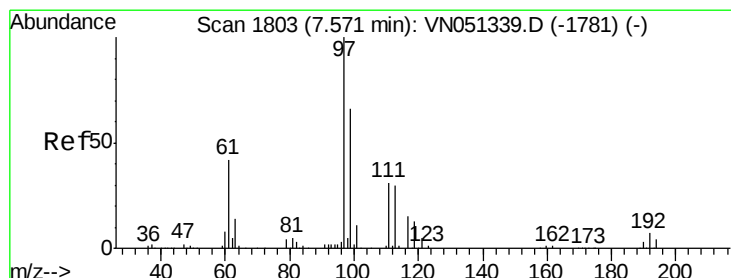
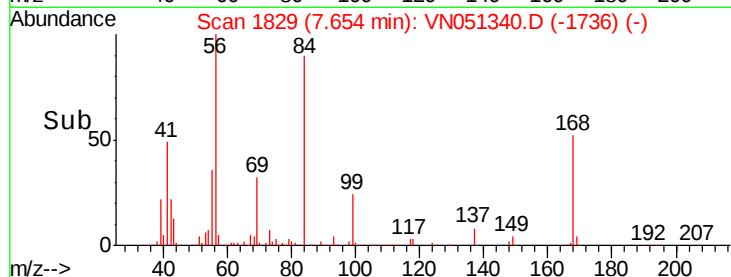
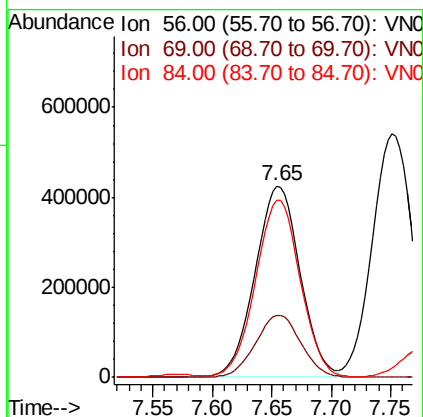
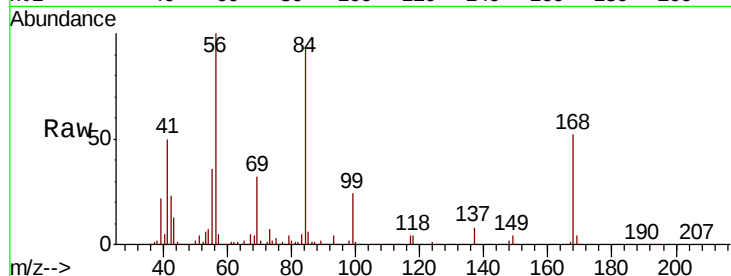
69 32.2 27.3 40.9

84 91.4 72.2 108.2

Manual Integrations
APPROVED

MMDadoda

9/24/2018 2:48:11 PM



#32

1,1,1-Trichloroethane

Concen: 99.806 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

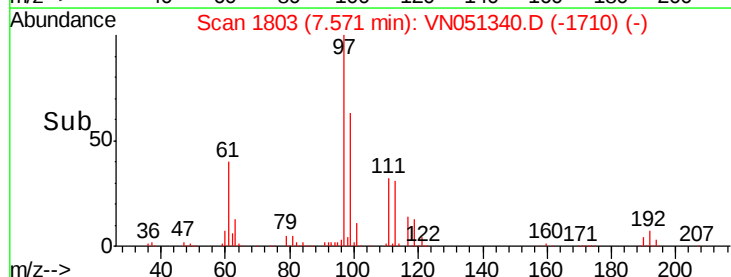
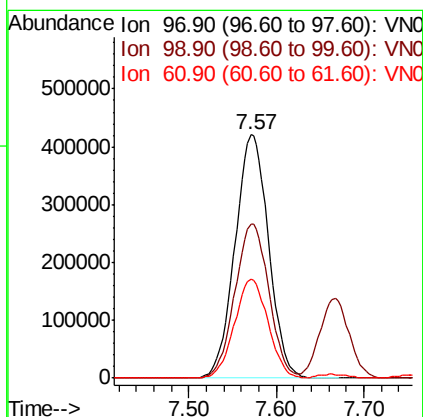
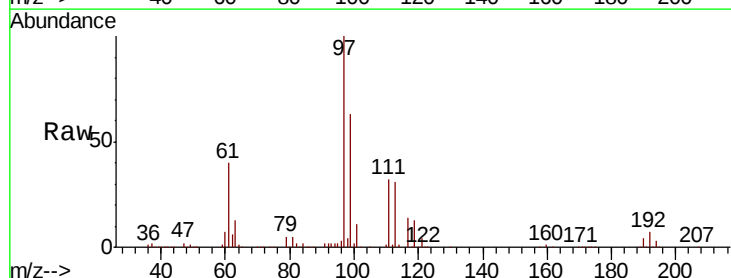
Tgt Ion: 97 Resp: 1120104

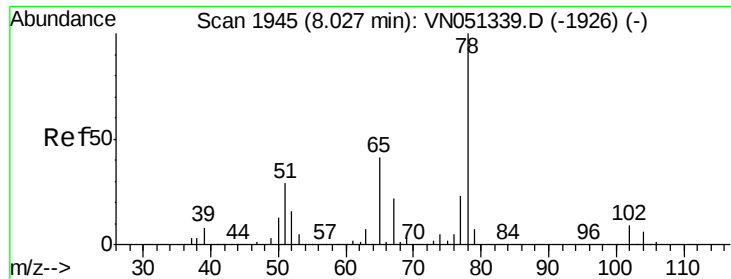
Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 40.7 33.2 49.8





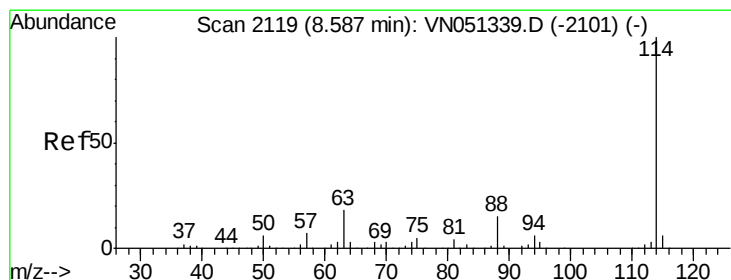
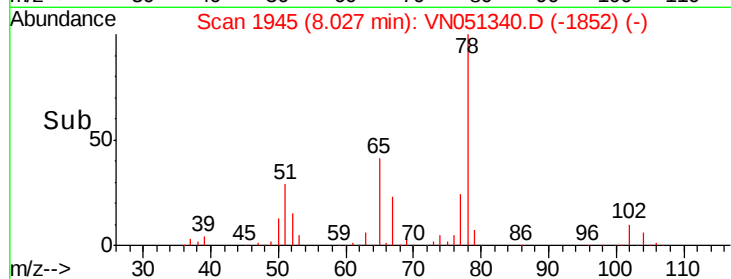
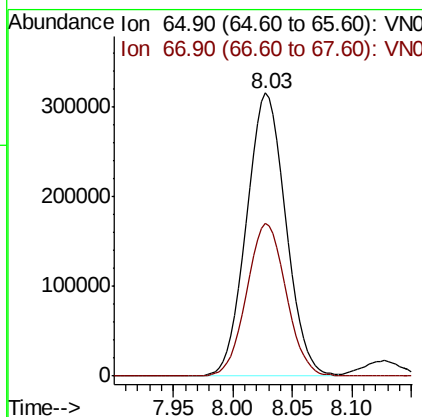
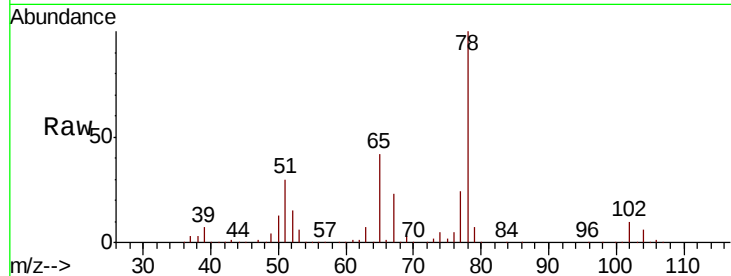
#33
 1,2-Dichloroethane-d4
 Concen: 95.673 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	723959		
67	54.1	0.0	108.8	

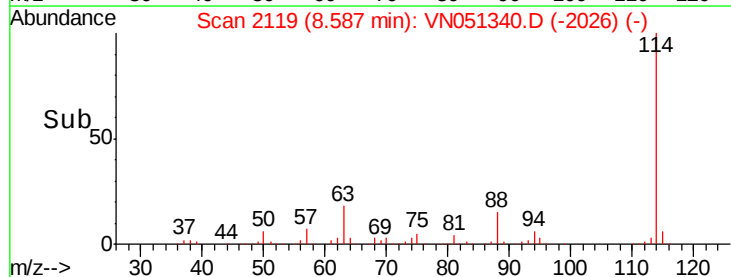
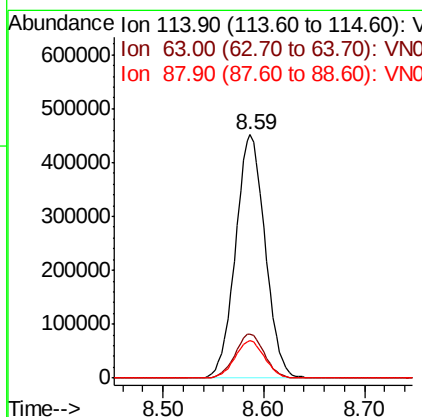
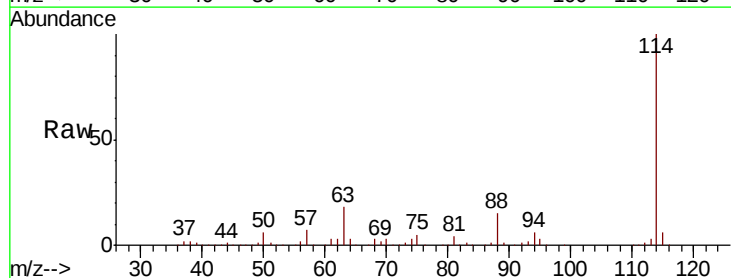
Manual Integrations
 APPROVED

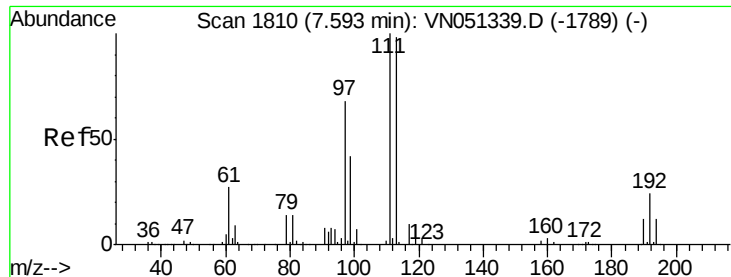
MMDadoda
 9/24/2018 2:48:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	917079		
63	18.3	0.0	36.6	
88	15.2	0.0	29.8	





#35

Dibromofluoromethane

Concen: 98.590 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

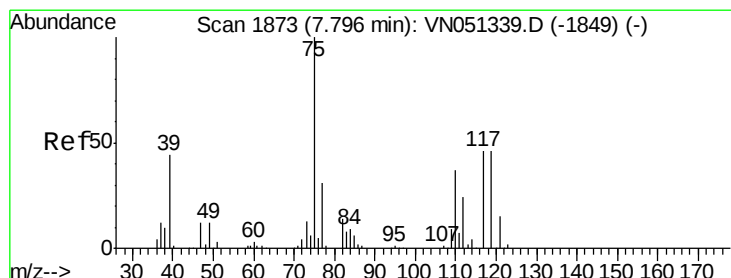
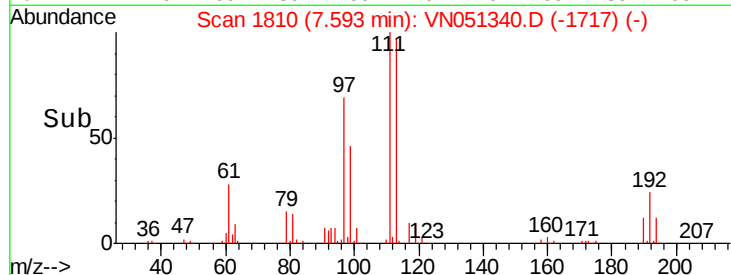
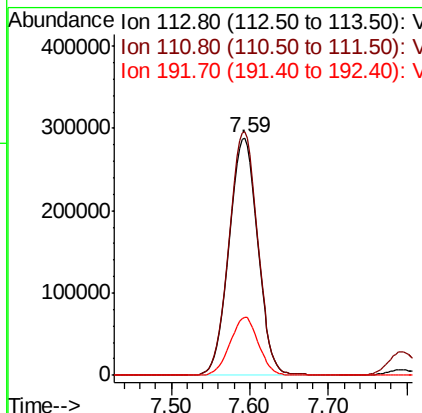
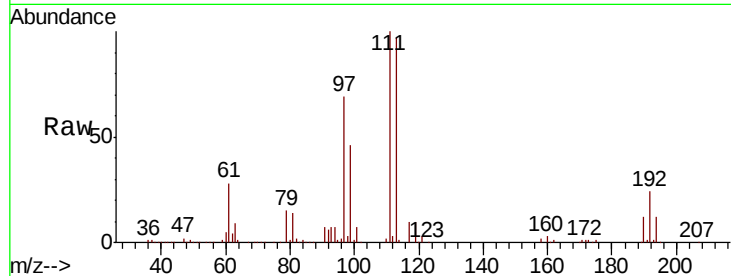
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	730668
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	24.2	19.8	29.6

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM



#36

1,1-Dichloropropene

Concen: 105.493 ug/l

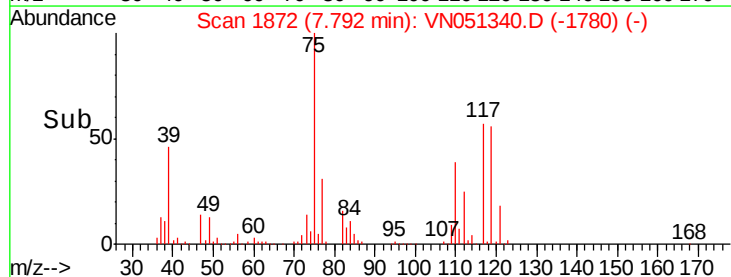
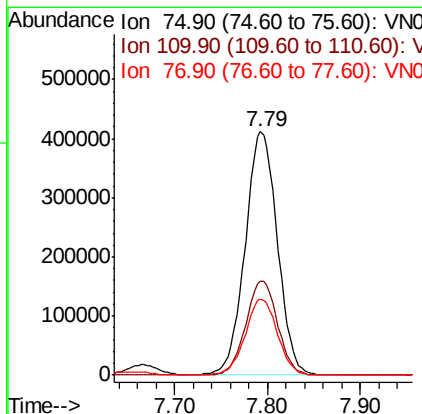
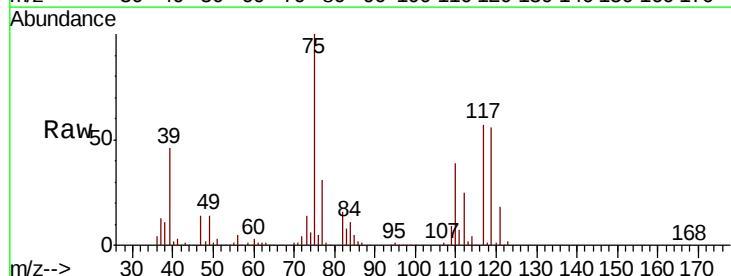
RT: 7.79 min Scan# 1872

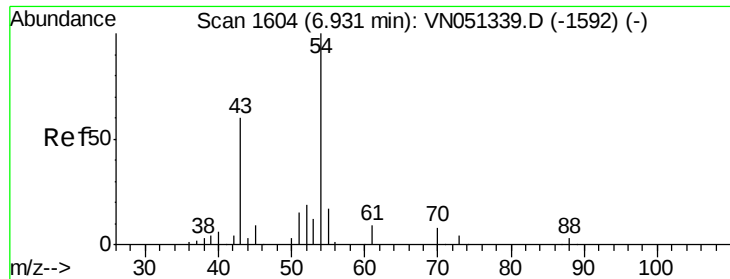
Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:	75	Resp:	989600
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.9	56.5
77	31.1	25.4	38.2





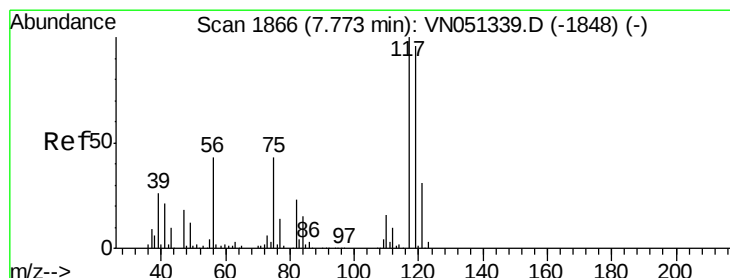
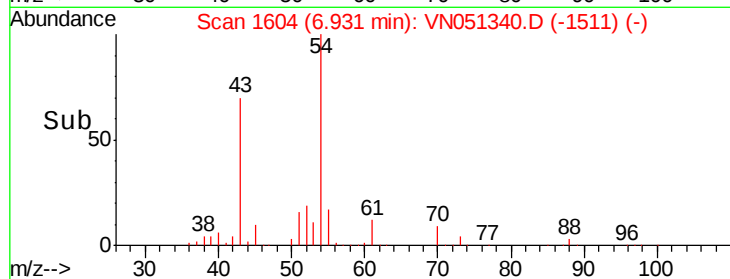
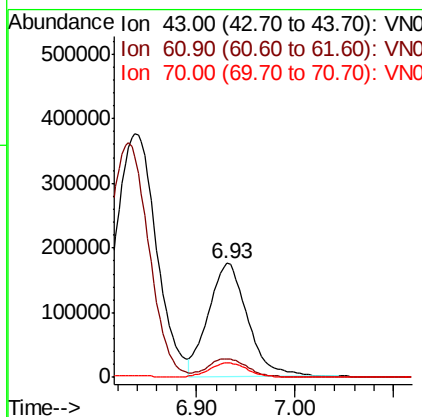
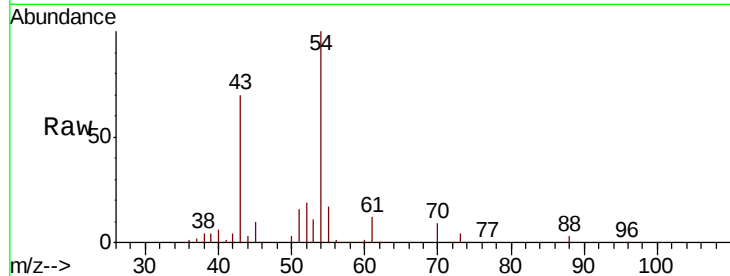
#37
Ethyl Acetate
Concen: 105.056 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	13.6	20.4
70	12.2	9.4	14.2

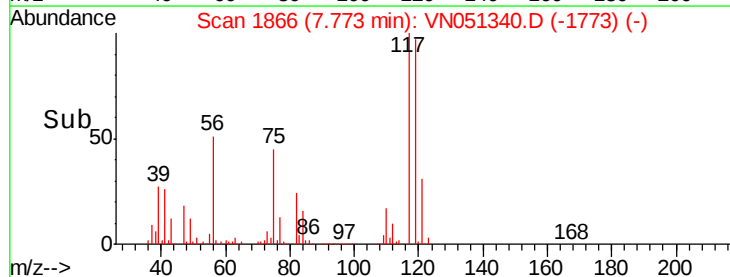
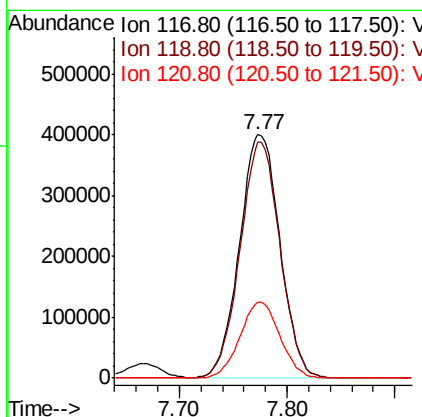
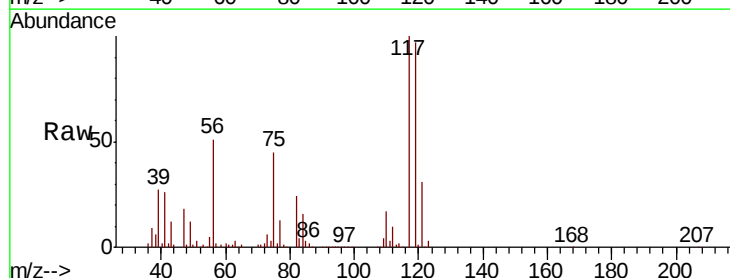
Manual Integrations
APPROVED

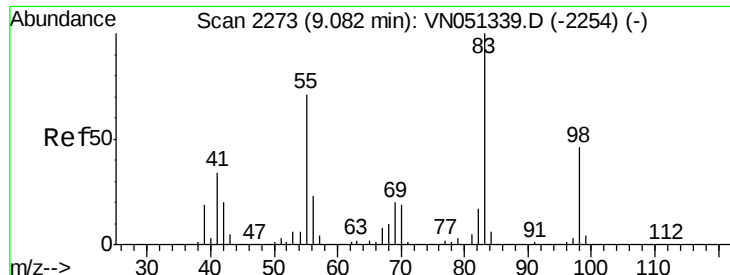
MMDadoda
9/24/2018 2:48:11 PM



#38
Carbon Tetrachloride
Concen: 102.712 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.4
121	31.3	25.0	37.4





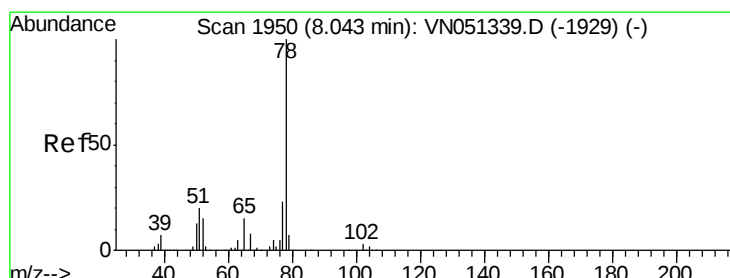
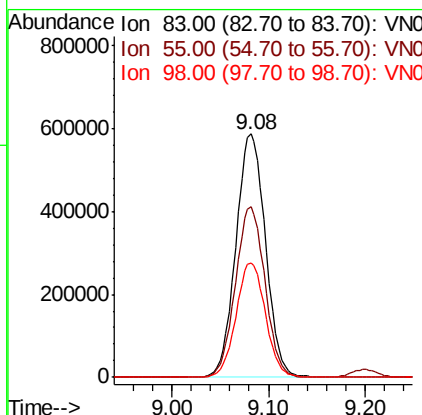
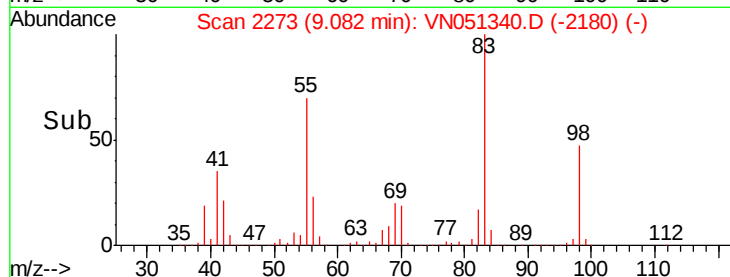
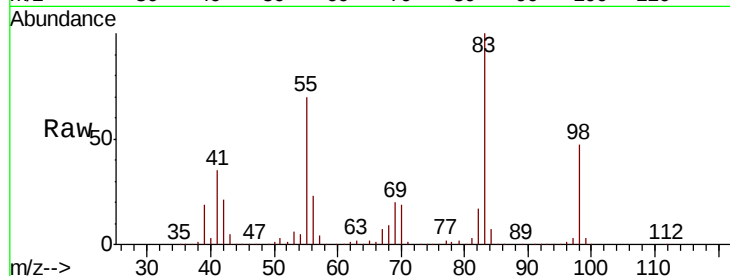
#39
Methvlcvclohexane
Concen: 113.898 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	1246946
Ion Ratio	100	Lower	Upper
83	100		
55	69.9	56.5	84.7
98	47.2	36.7	55.1

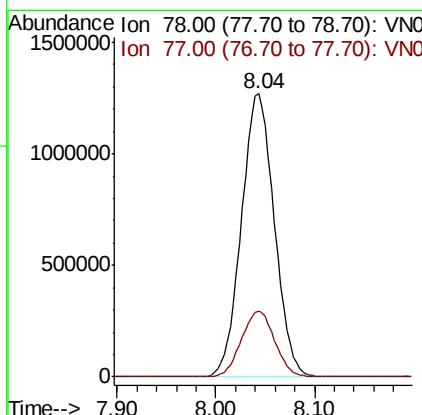
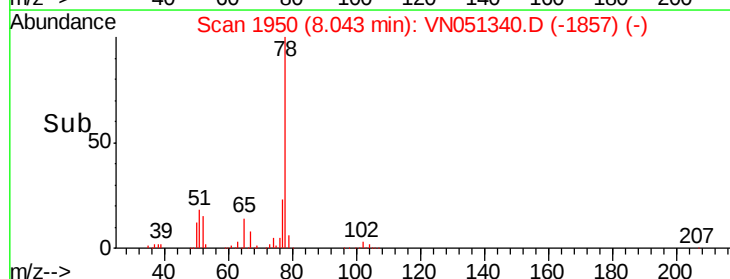
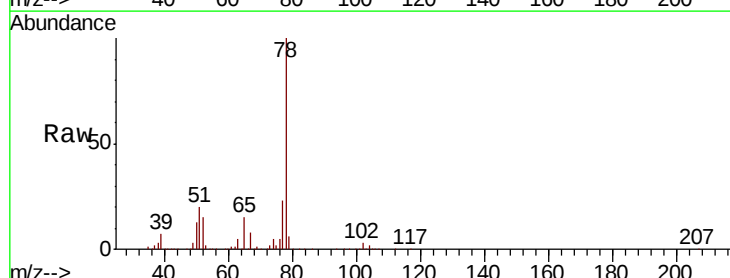
Manual Integrations
APPROVED

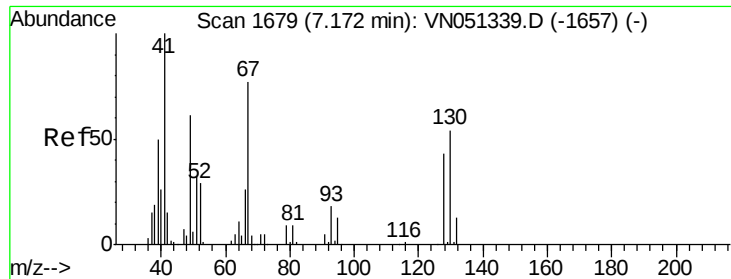
MMDadoda
9/24/2018 2:48:11 PM



#40
Benzene
Concen: 103.445 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	78	Resp	2923861
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.5	27.7





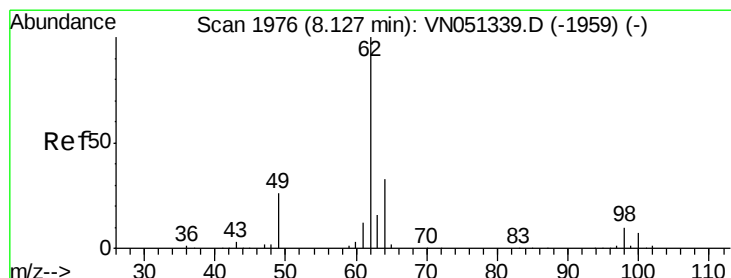
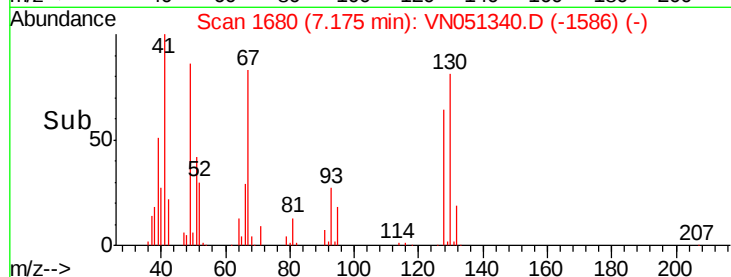
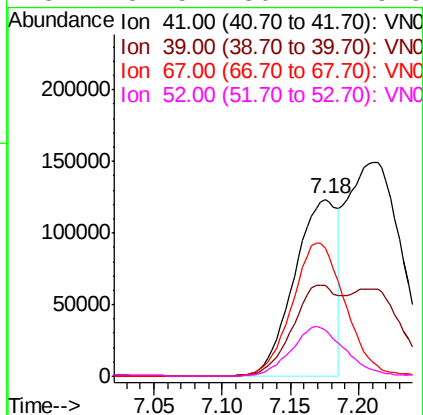
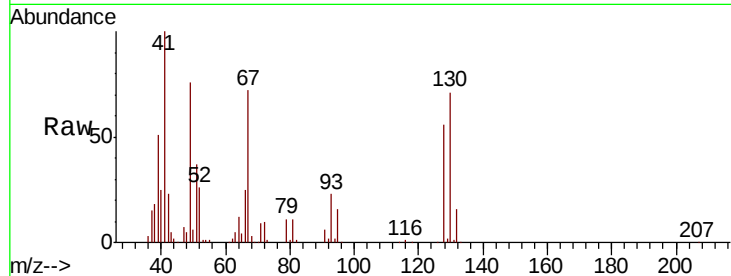
#41
Methacrylonitrile
Concen: 111.839 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	270577
Ion	Ratio	Lower	Upper
41	100		
39	56.0	51.3	76.9
67	93.2	77.0	115.4
52	34.5	30.4	45.6

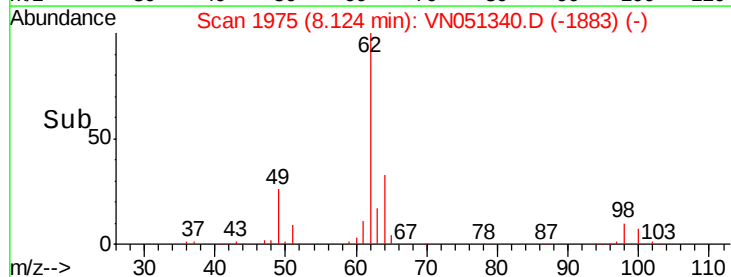
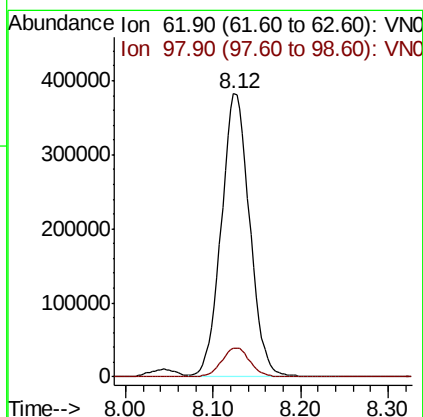
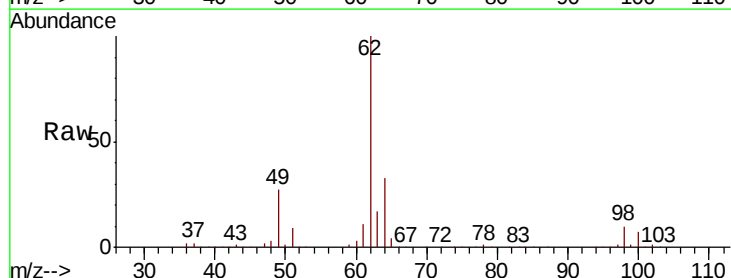
Manual Integrations
APPROVED

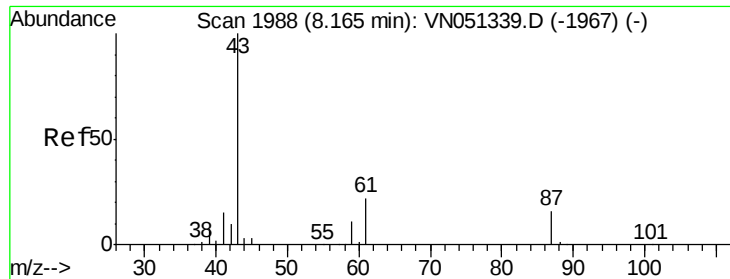
MMDadoda
9/24/2018 2:48:11 PM



#42
1,2-Dichloroethane
Concen: 100.660 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	62	Resp	859464
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 109.346 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

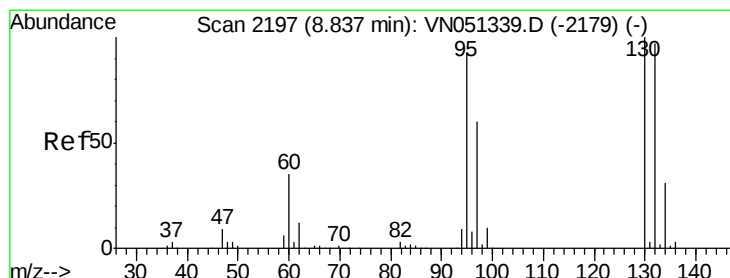
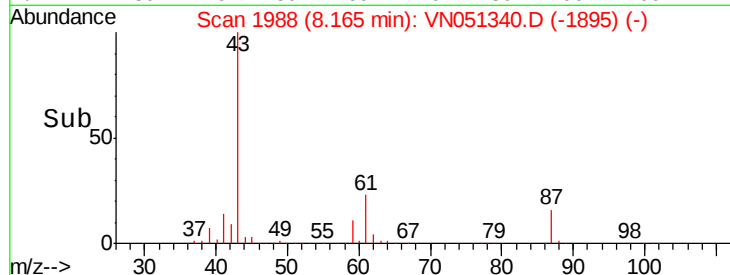
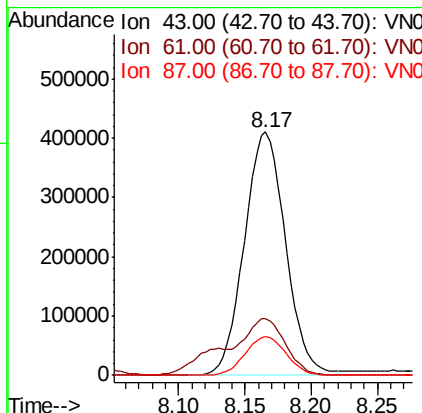
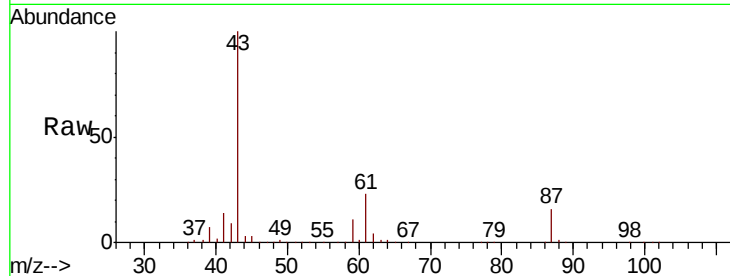
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	889326
Ion	Ratio	Lower	Upper
43	100		
61	23.1	18.1	27.1
87	16.0	12.8	19.2

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM



#44

Trichloroethene

Concen: 103.823 ug/l

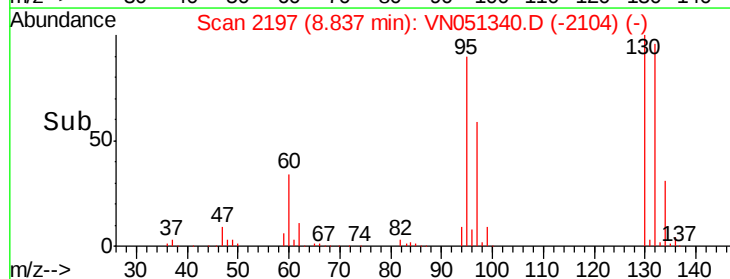
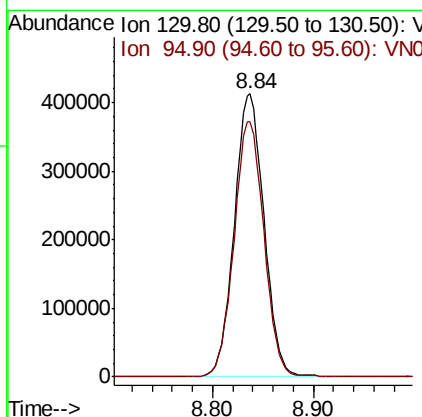
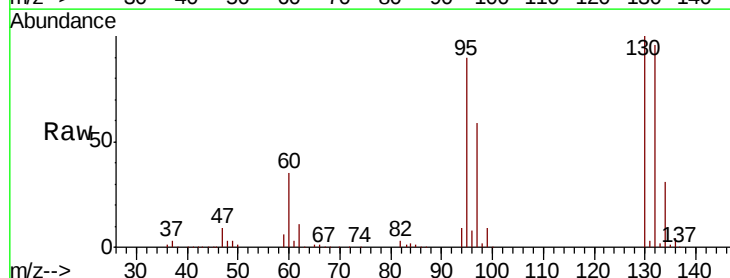
RT: 8.84 min Scan# 2197

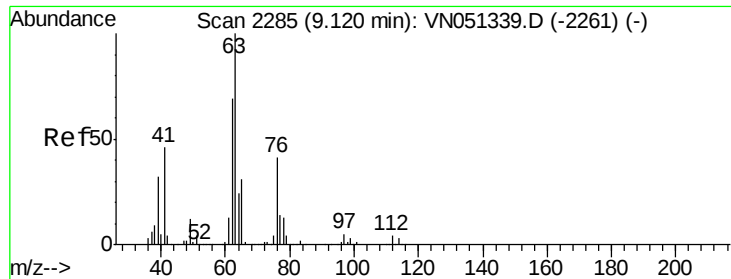
Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:	130	Resp:	842402
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	185.6





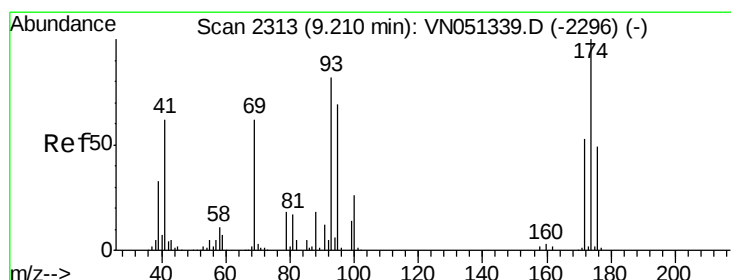
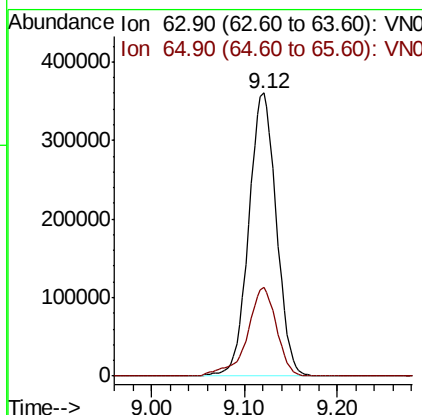
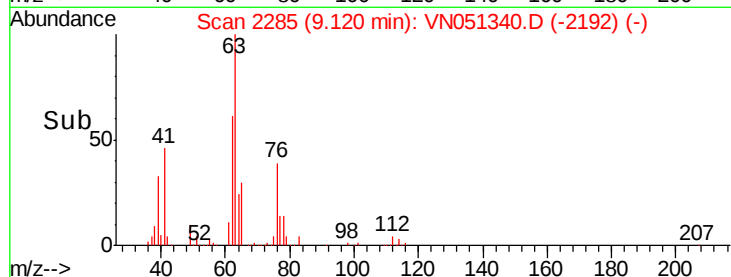
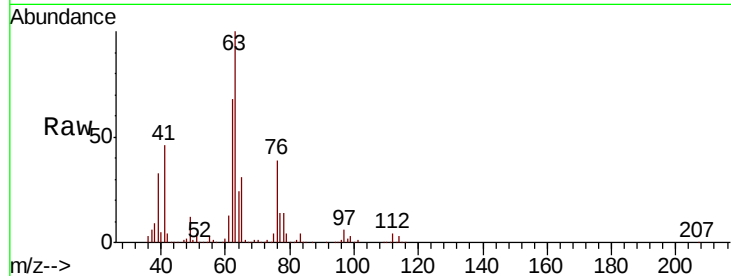
#45
 1,2-Dichloropropane
 Concen: 102.816 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.7	37.1

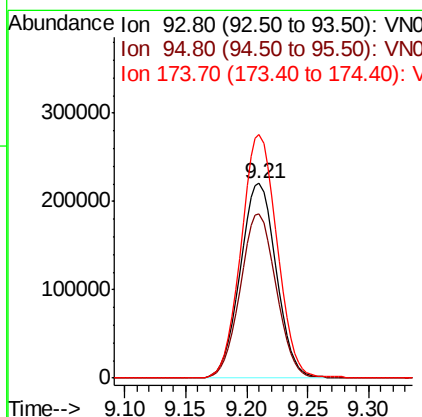
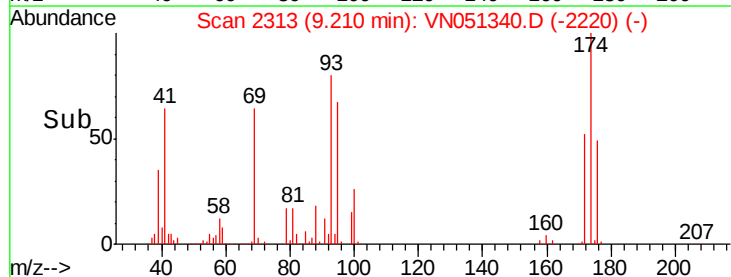
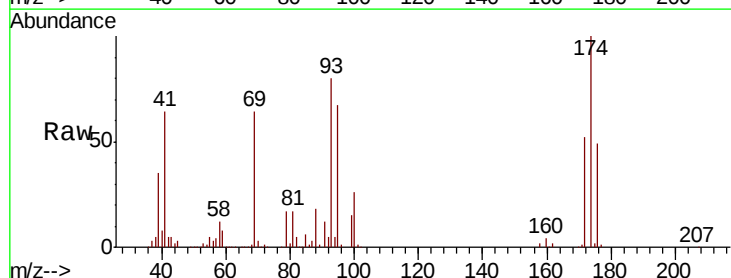
Manual Integrations
 APPROVED

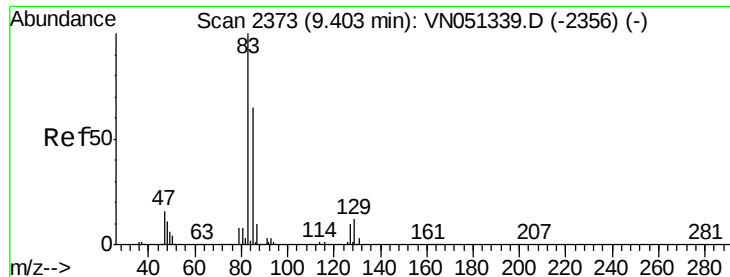
MMDadoda
 9/24/2018 2:48:11 PM



#46
 Dibromomethane
 Concen: 101.090 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.6	101.4
174	124.6	98.9	148.3





#47

Bromodichloromethane

Concen: 103.578 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

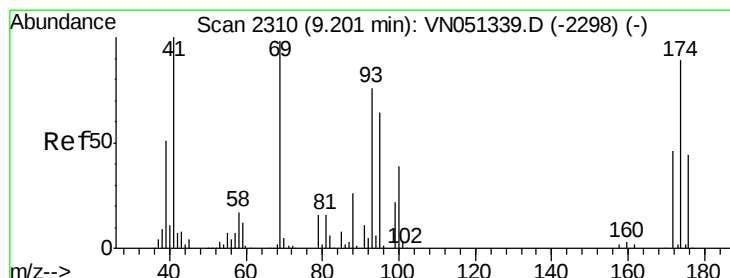
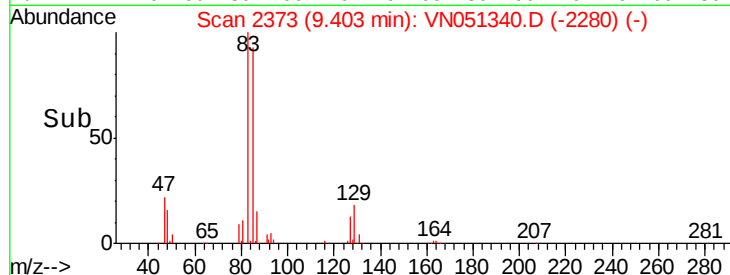
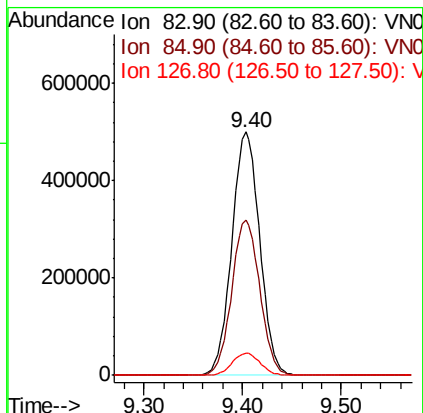
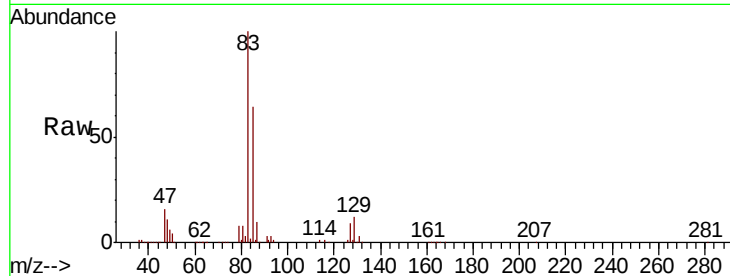
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	985075
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	9.1	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM



#48

Methyl methacrylate

Concen: 110.180 ug/l

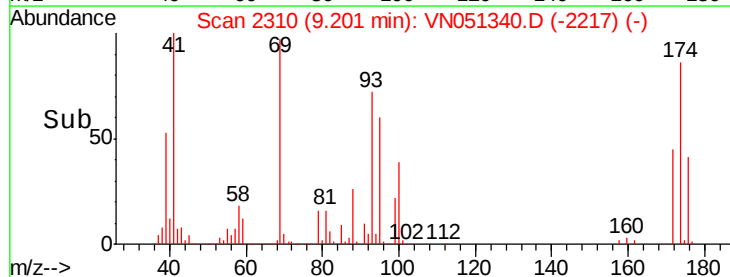
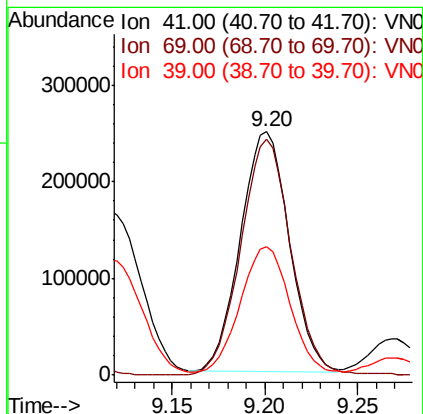
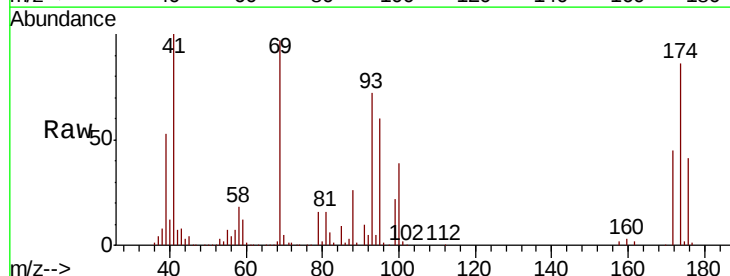
RT: 9.20 min Scan# 2310

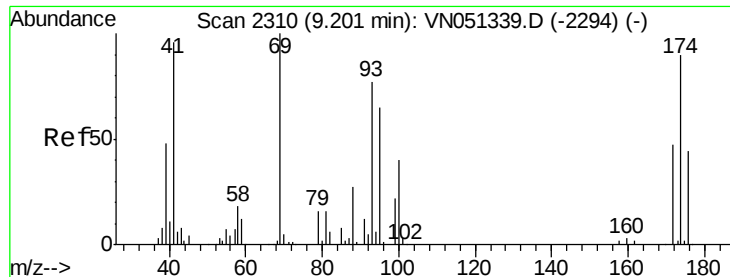
Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:	41	Resp:	456844
Ion	Ratio	Lower	Upper
41	100		
69	101.3	79.4	119.0
39	55.2	43.0	64.6





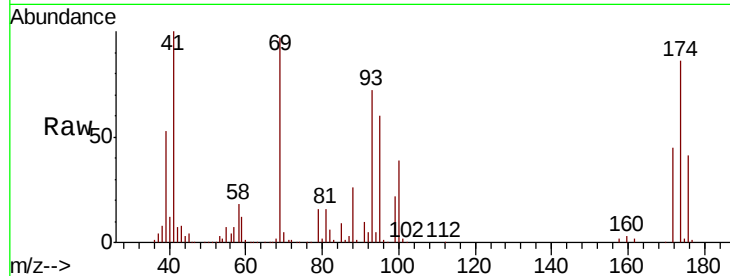
#49
1,4-Dioxane
Concen: 2178.459 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.5	35.3
58	67.7	52.1	78.1

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM

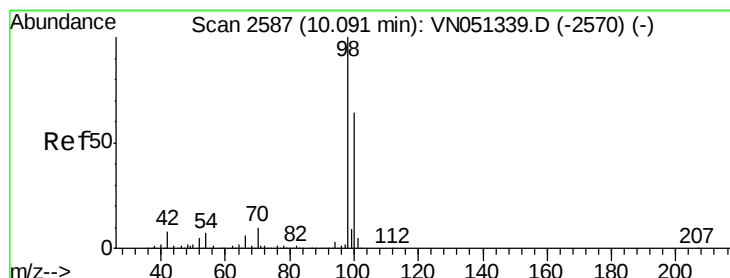
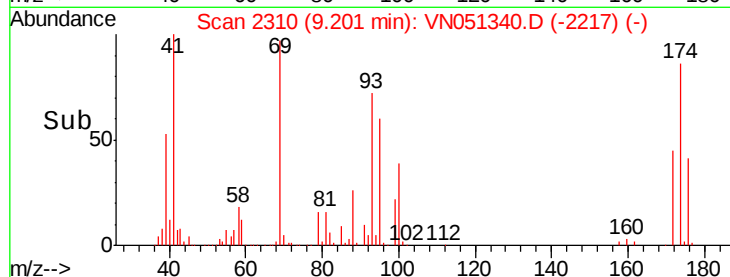
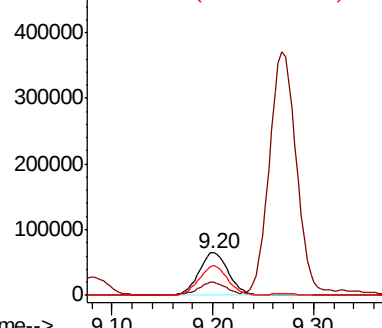


Abundance

Ion 88.00 (87.70 to 88.70): VN051339.D (-2294) (-)

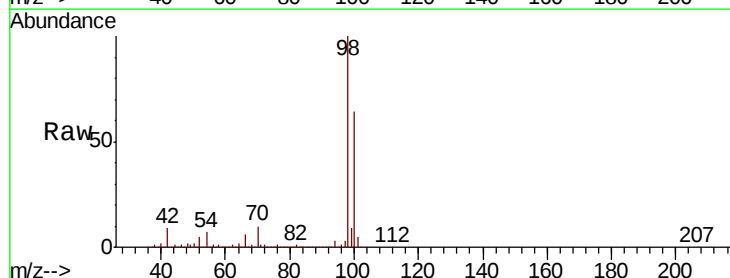
Ion 43.00 (42.70 to 43.70): VN051339.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-2294) (-)



#50
Toluene-d8
Concen: 98.627 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

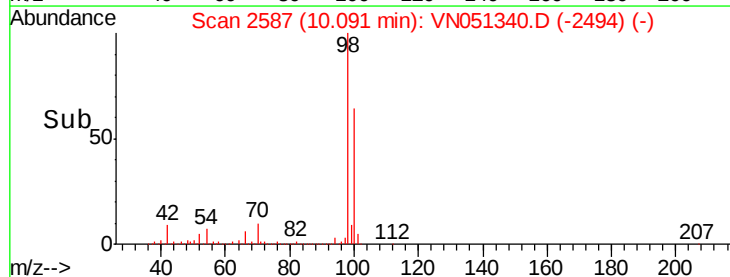
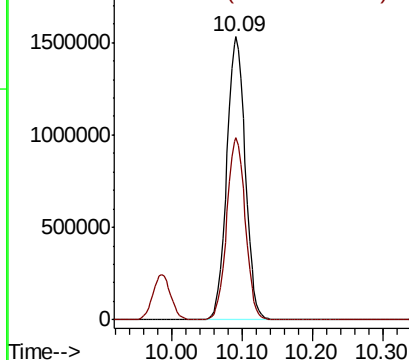
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9

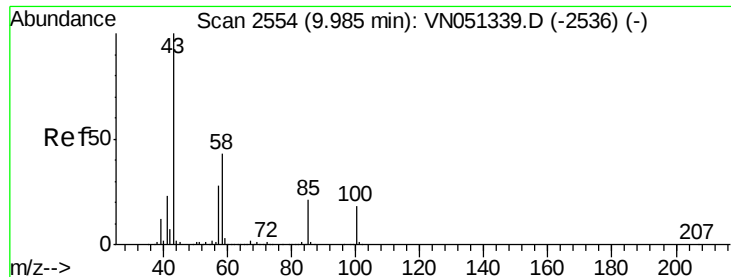


Abundance

Ion 98.00 (97.70 to 98.70): VN051339.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051339.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 552.349 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2416464

Ion Ratio Lower Upper

43 100

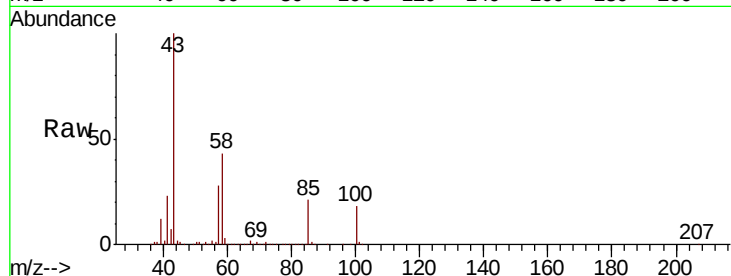
58 43.0 34.2 51.4

Manual Integrations

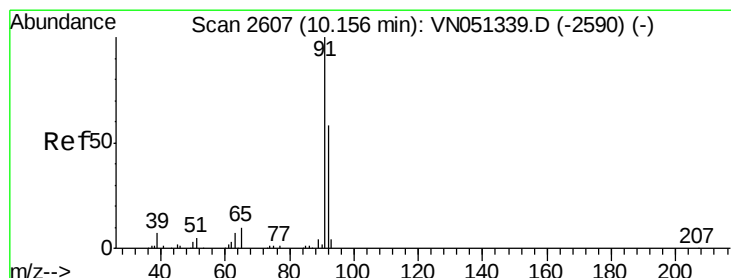
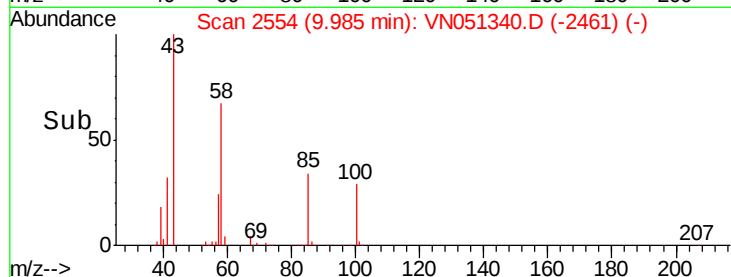
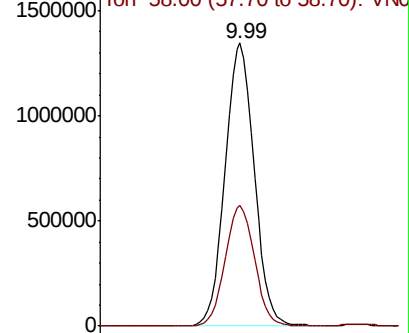
APPROVED

MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-2536) (-)



#52

Toluene

Concen: 110.047 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051340.D

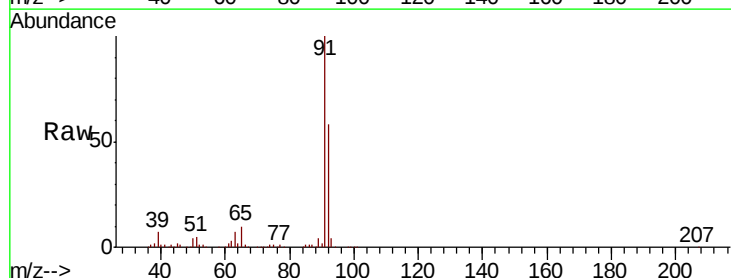
Acq: 20 Sep 2018 15:06

Tgt Ion: 92 Resp: 1915286

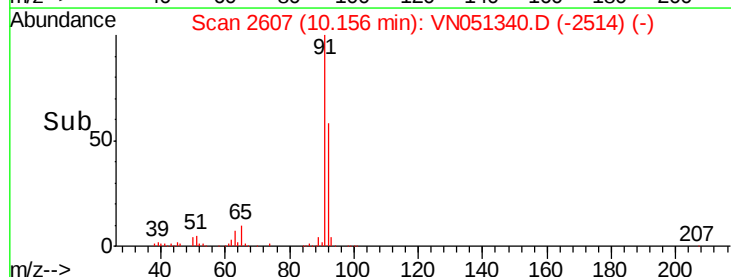
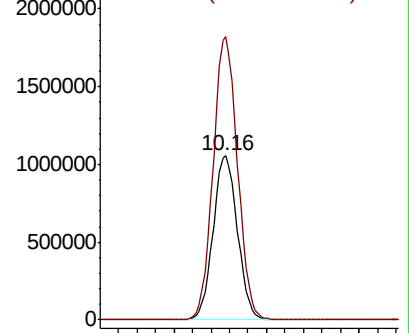
Ion Ratio Lower Upper

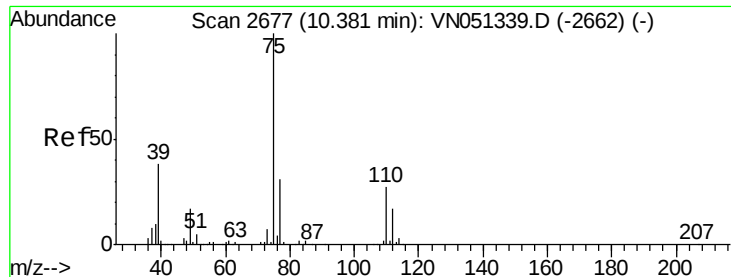
92 100

91 173.1 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN051339.D (-2590) (-)





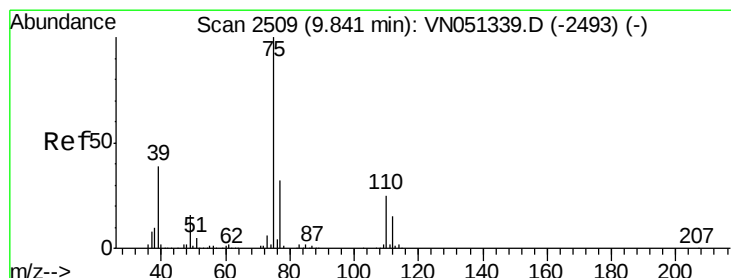
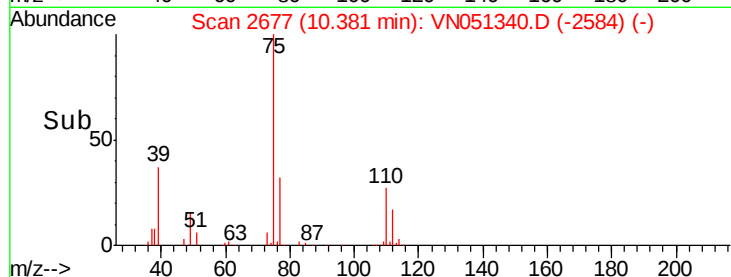
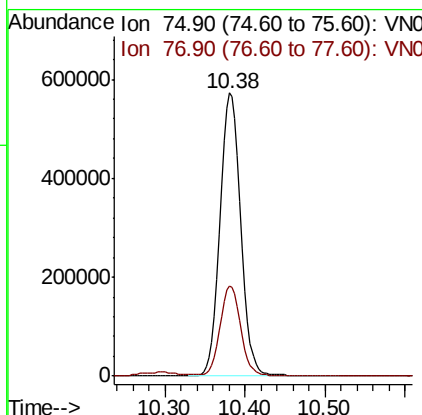
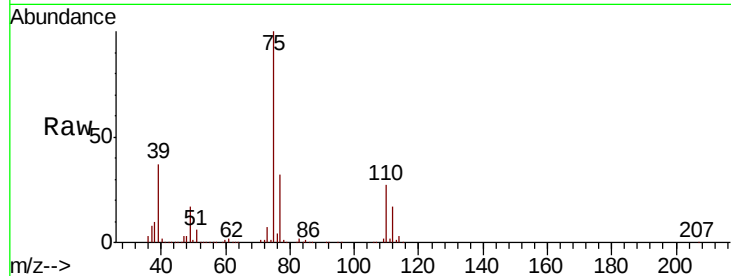
#53
t-1,3-Dichloropropene
Concen: 113.042 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1032228
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

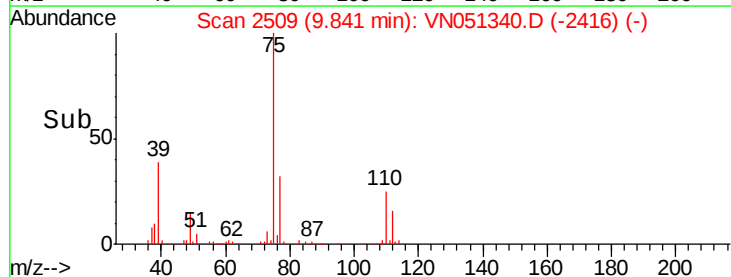
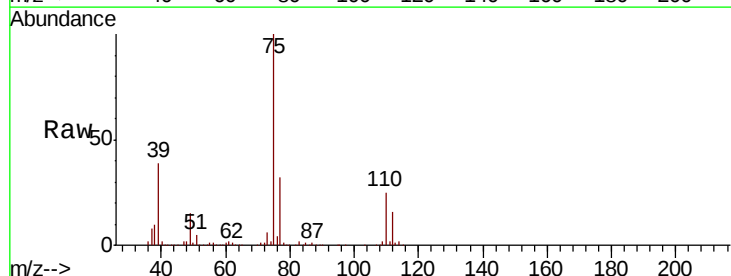
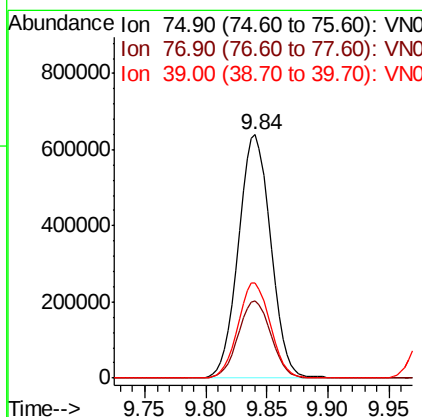
Manual Integrations
APPROVED

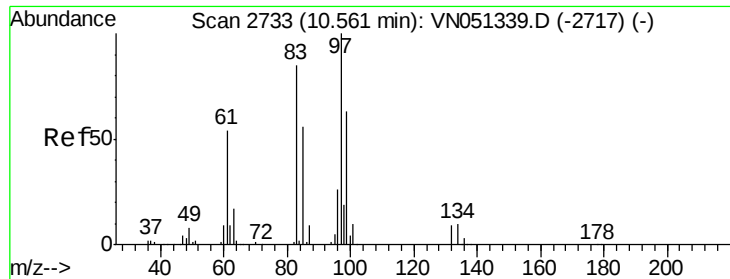
MMDadoda
9/24/2018 2:48:11 PM



#54
cis-1,3-Dichloropropene
Concen: 110.780 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 75 Resp: 1171271
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 39.0 31.0 46.4





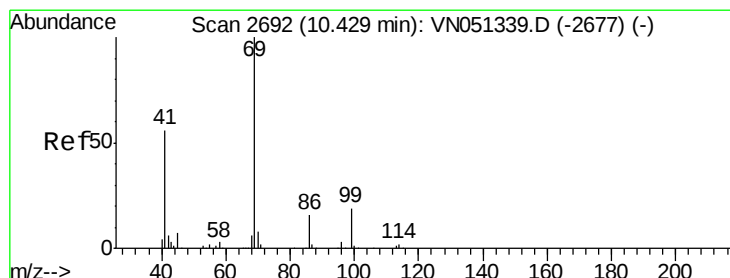
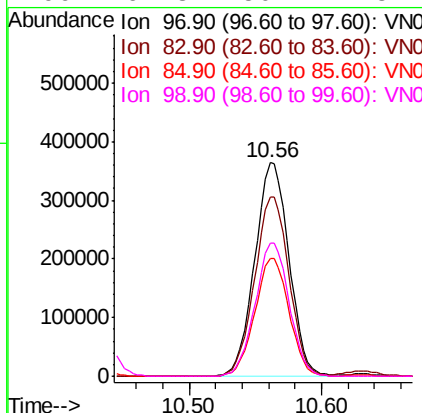
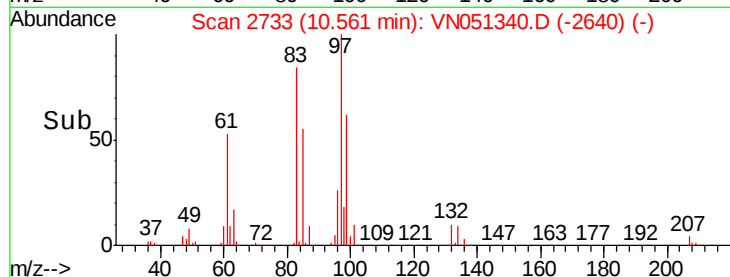
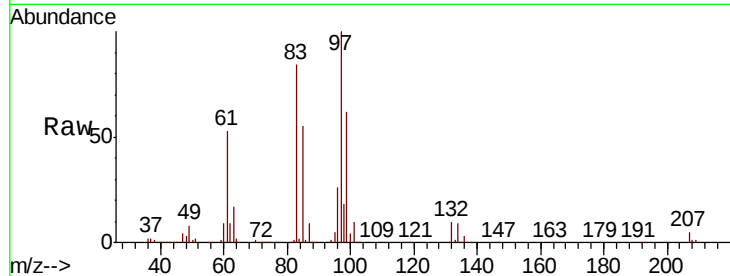
#55
 1,1,2-Trichloroethane
 Concen: 100.129 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	653659
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.1	102.1
85	55.4	44.6	66.8
99	62.3	50.2	75.4

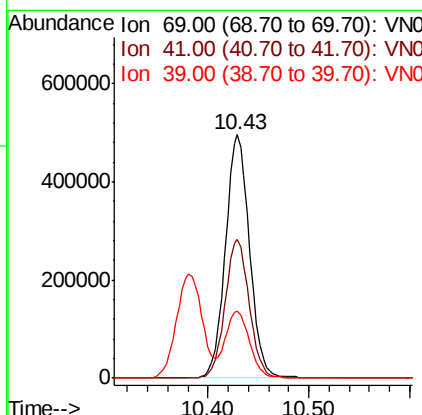
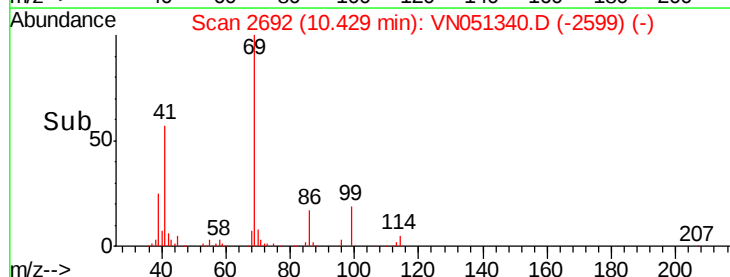
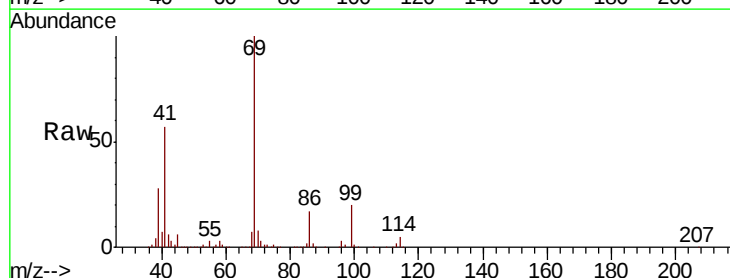
Manual Integrations
 APPROVED

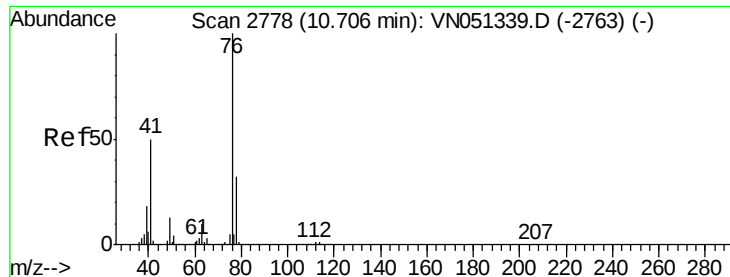
MMDadoda
 9/24/2018 2:48:11 PM



#56
 Ethyl methacrylate
 Concen: 119.925 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion:	69	Resp:	826915
Ion	Ratio	Lower	Upper
69	100		
41	57.4	45.1	67.7
39	27.8	23.4	35.2





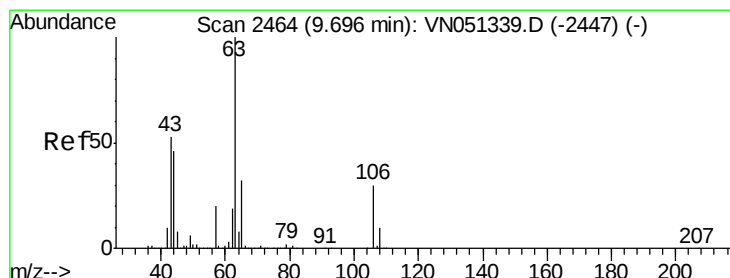
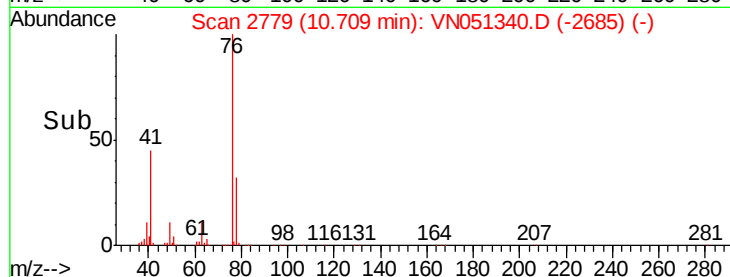
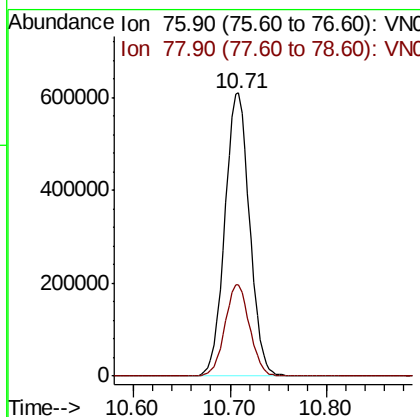
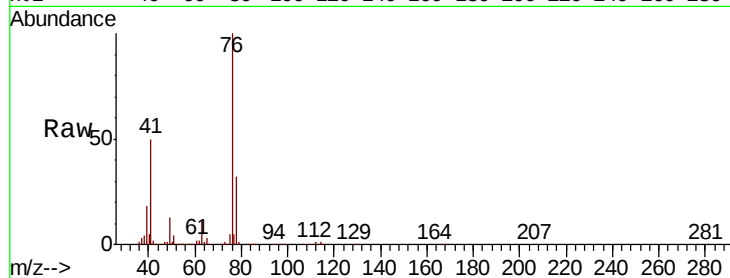
#57
 1,3-Dichloropropane
 Concen: 105.034 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1080067
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

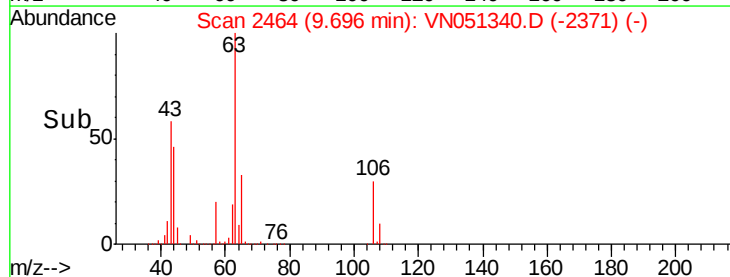
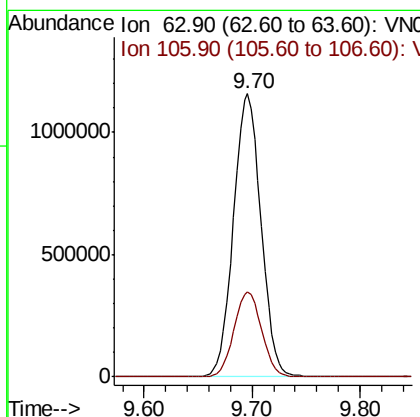
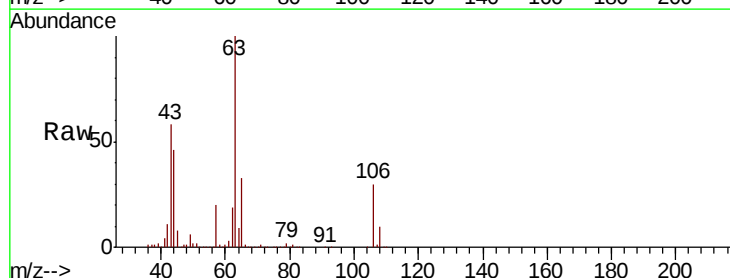
Manual Integrations
 APPROVED

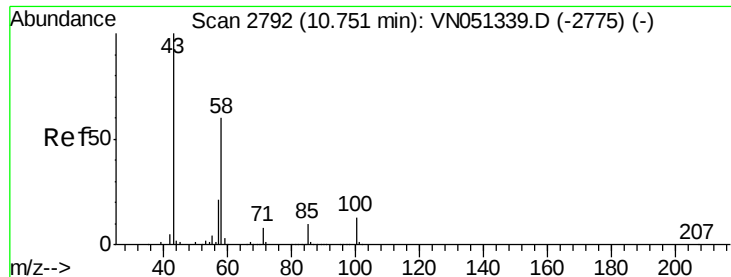
MMDadoda
 9/24/2018 2:48:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 604.241 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion: 63 Resp: 2048557
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.7 35.5





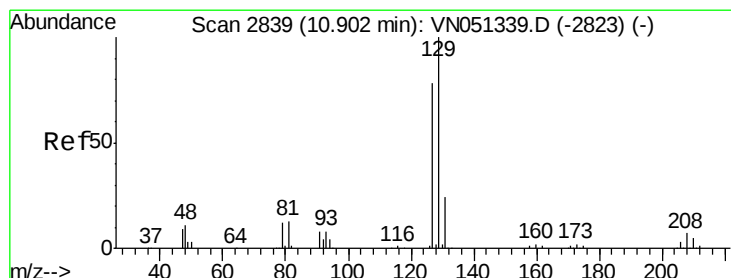
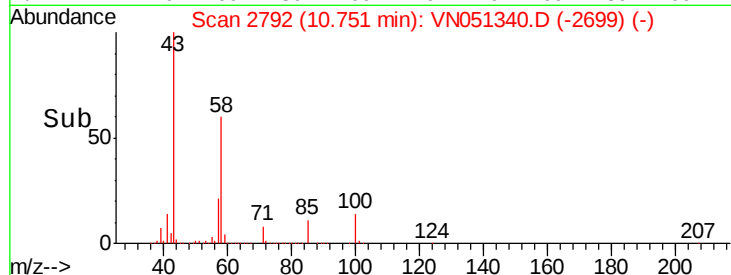
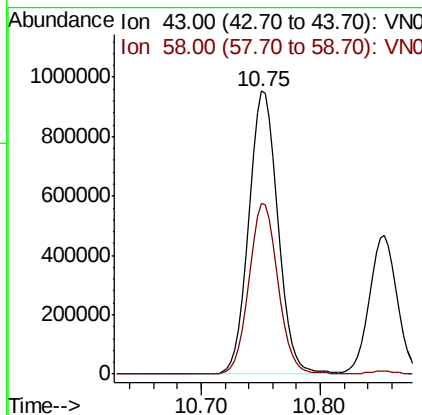
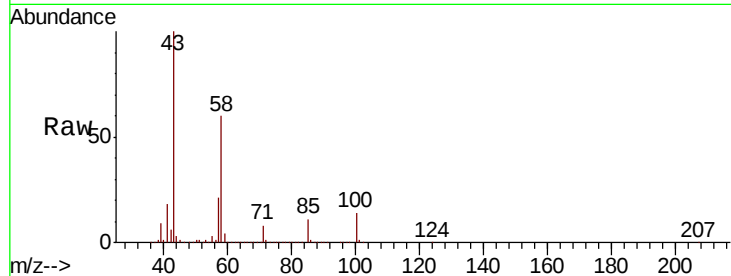
#59
2-Hexanone
Concen: 548.587 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1618045
Ion Ratio Lower Upper
43 100
58 60.3 29.9 89.8

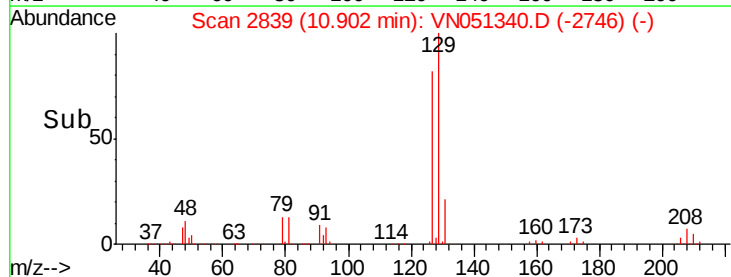
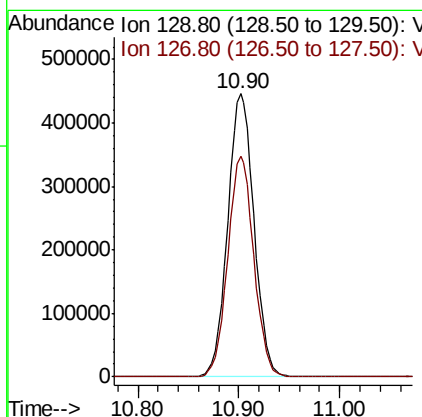
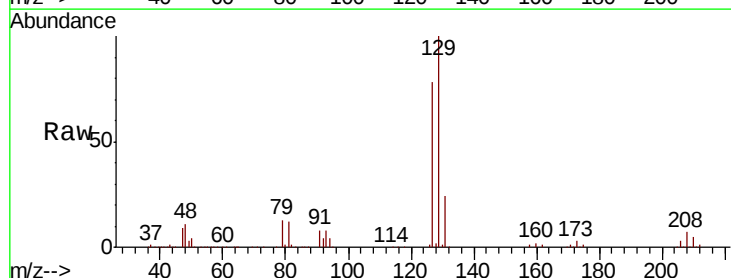
Manual Integrations
APPROVED

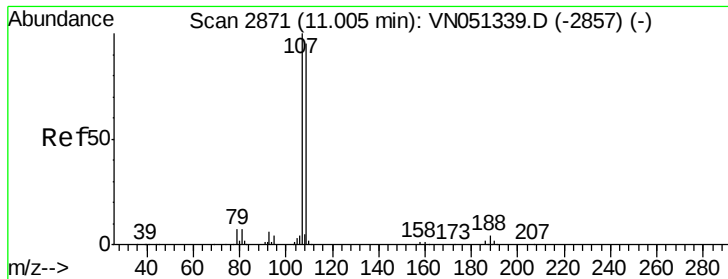
MMDadoda
9/24/2018 2:48:11 PM



#60
Dibromochloromethane
Concen: 106.479 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 129 Resp: 810605
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 106.344 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 667435

Ion Ratio Lower Upper

107 100

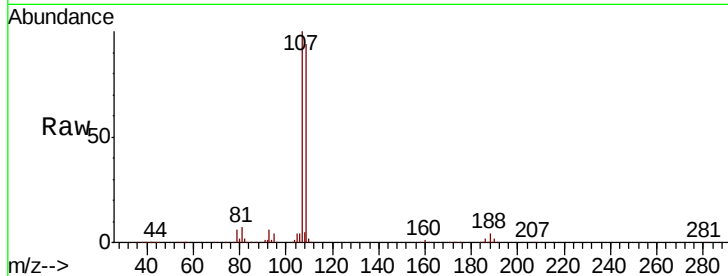
109 94.9 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

400000

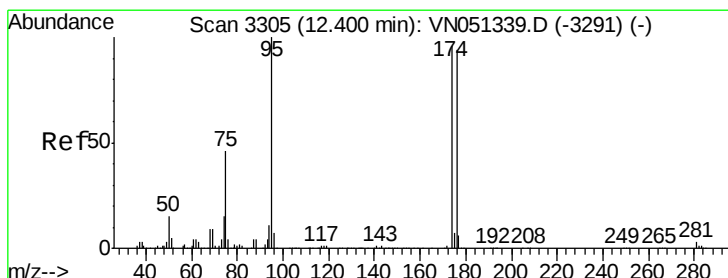
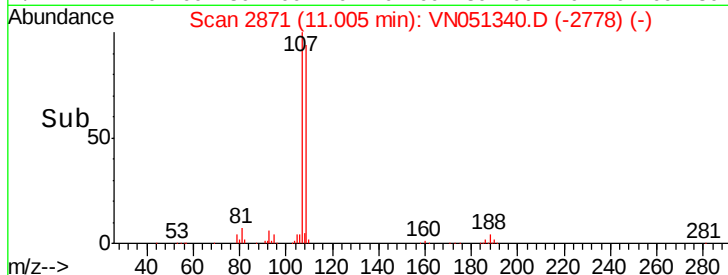
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 103.558 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

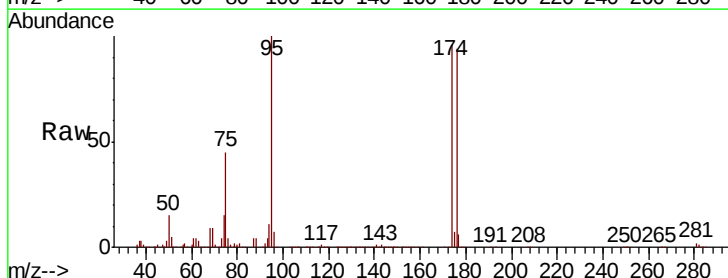
Tgt Ion: 95 Resp: 959875

Ion Ratio Lower Upper

95 100

174 97.8 0.0 194.6

176 95.2 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

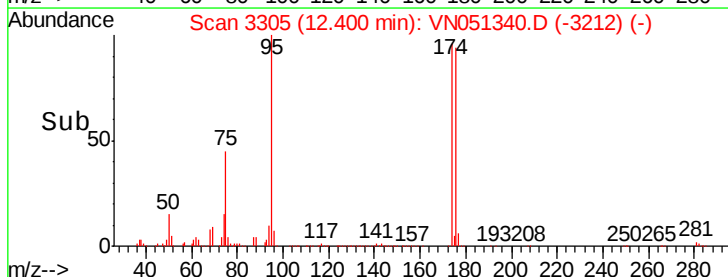
600000

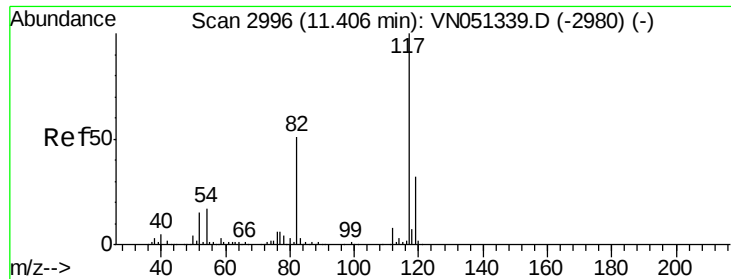
400000

200000

0

Time-->





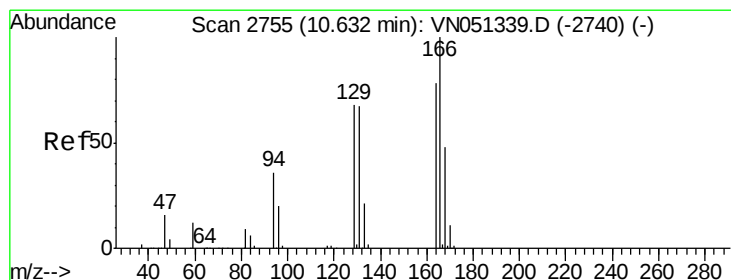
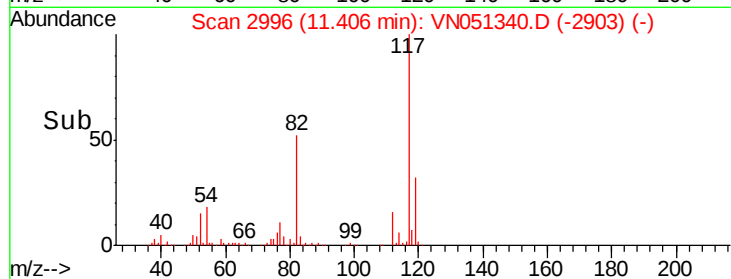
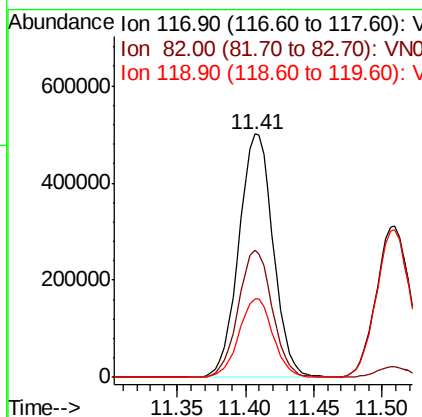
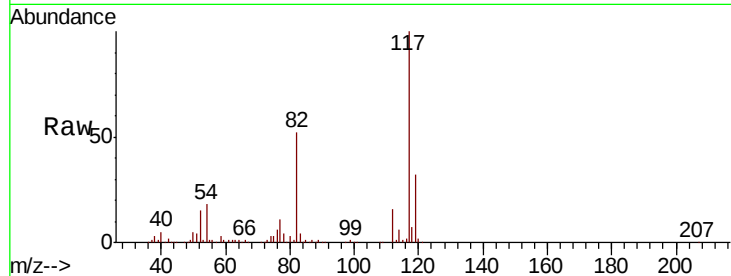
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	874905		
82	52.2		40.7	61.1
119	32.4		25.3	37.9

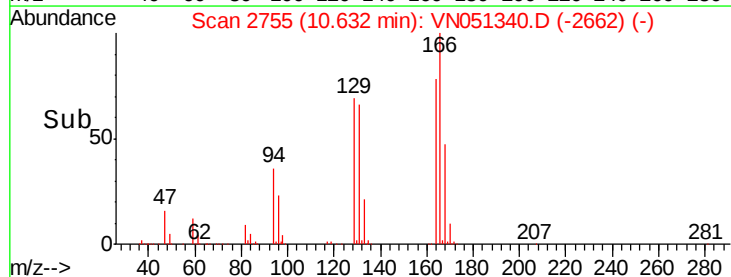
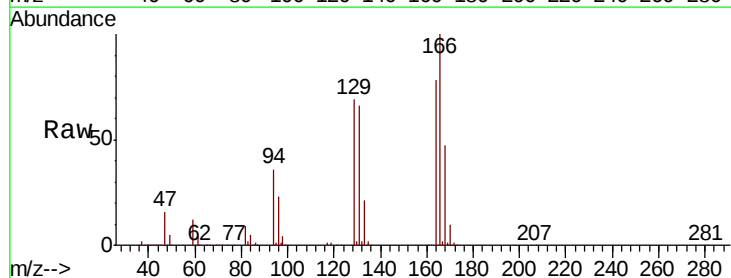
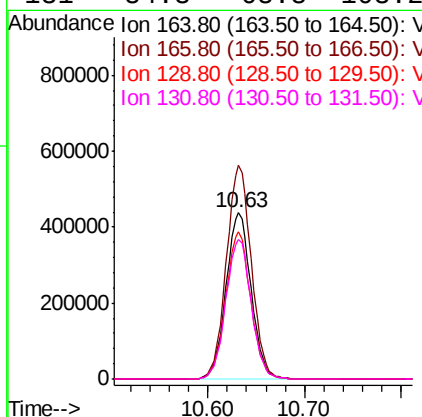
Manual Integrations
APPROVED

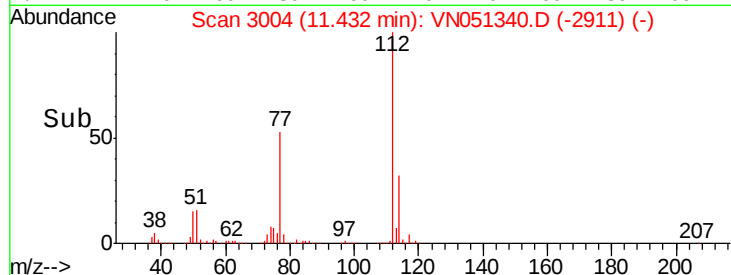
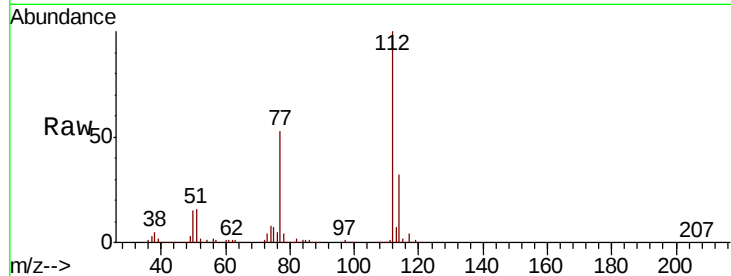
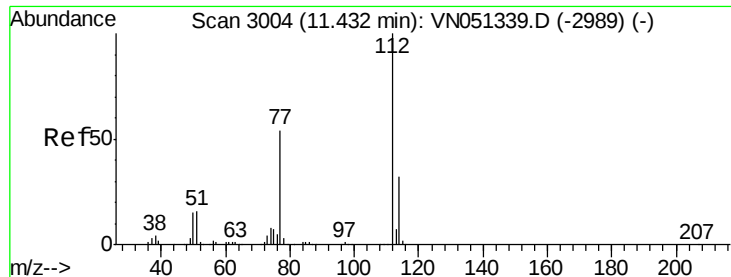
MMDadoda
9/24/2018 2:48:11 PM



#64
Tetrachloroethene
Concen: 102.881 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	784924		
166	128.7		102.1	153.1
129	88.4		69.4	104.2
131	84.3		68.8	103.2





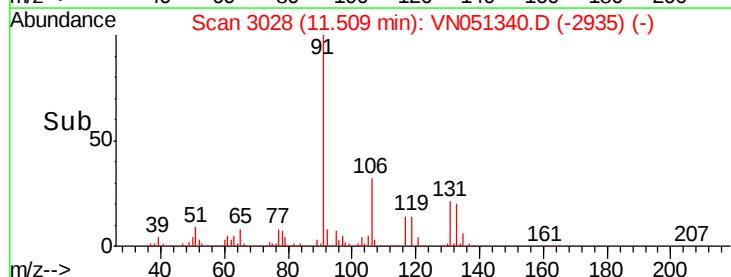
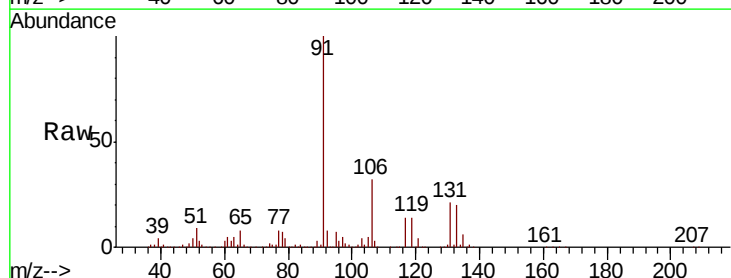
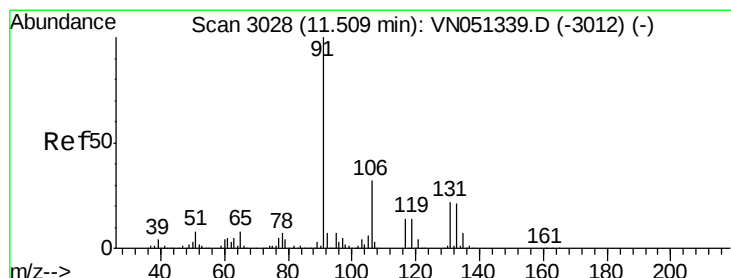
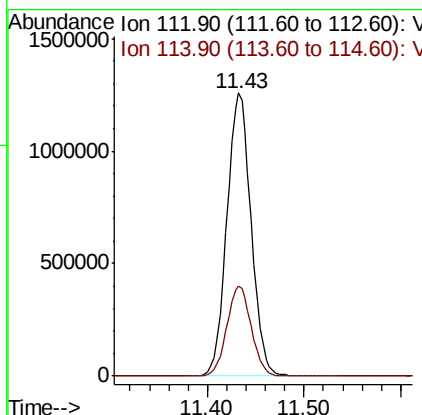
#65
Chlorobenzene
Concen: 104.067 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tot Ion:112 Resp: 2175253
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

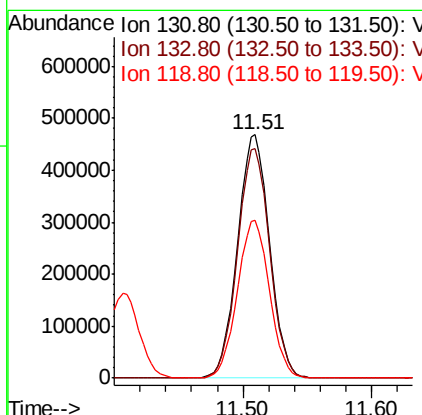
Manual Integrations
APPROVED

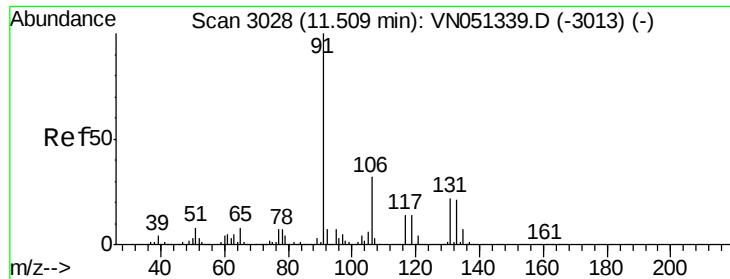
MMDadoda
9/24/2018 2:48:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 101.463 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion:131 Resp: 807380
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 65.0 32.6 97.7





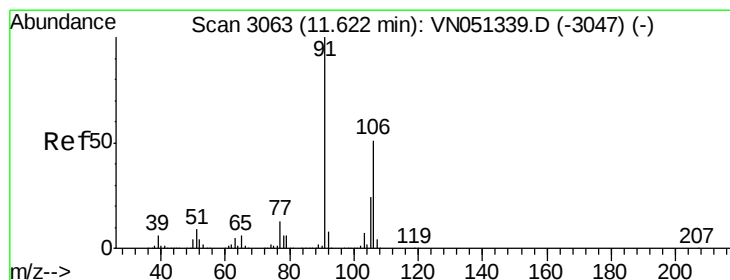
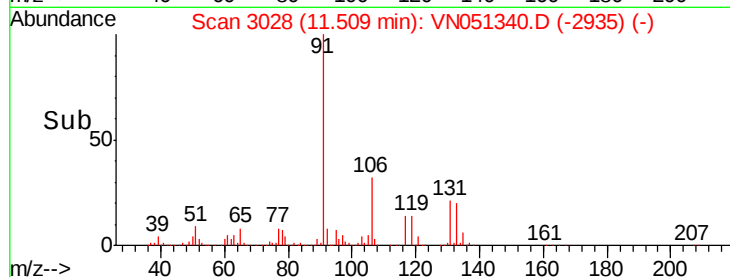
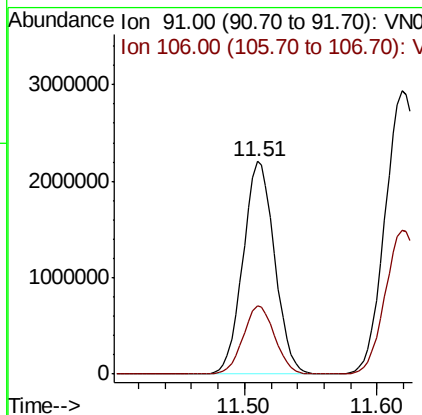
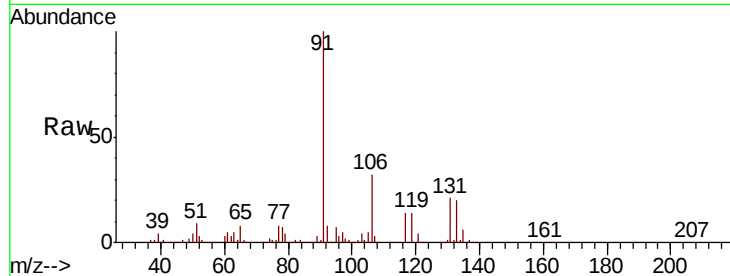
#67
Ethyl Benzene
Concen: 111.394 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 3642514
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8

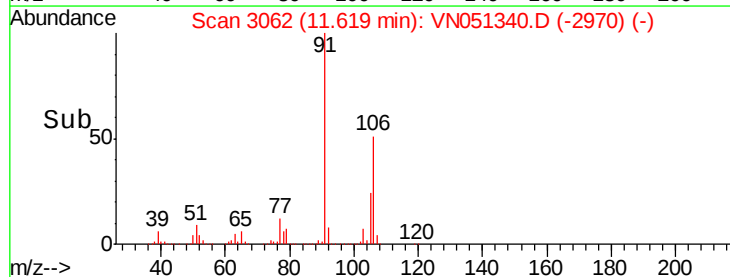
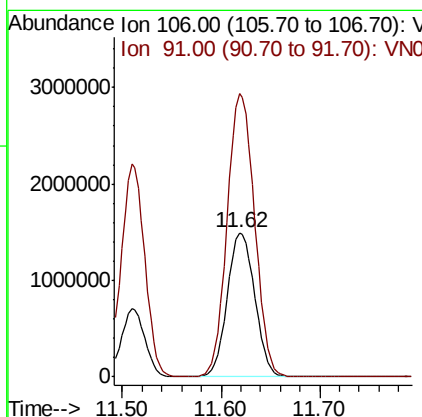
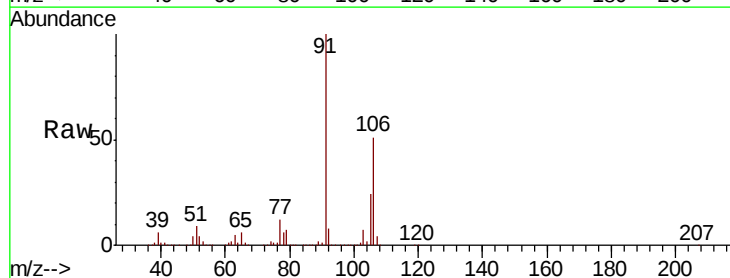
Manual Integrations
APPROVED

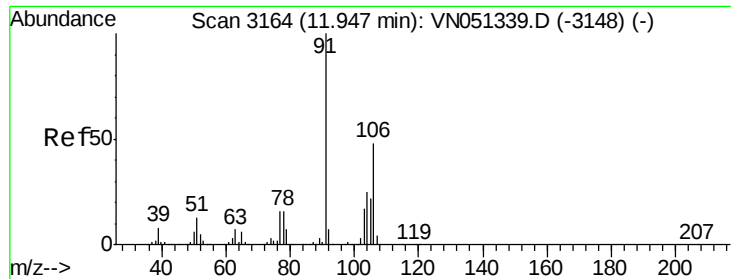
MMDadoda
9/24/2018 2:48:11 PM



#68
m/p-Xylenes
Concen: 225.357 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 106 Resp: 2895077
Ion Ratio Lower Upper
106 100
91 196.2 156.5 234.7





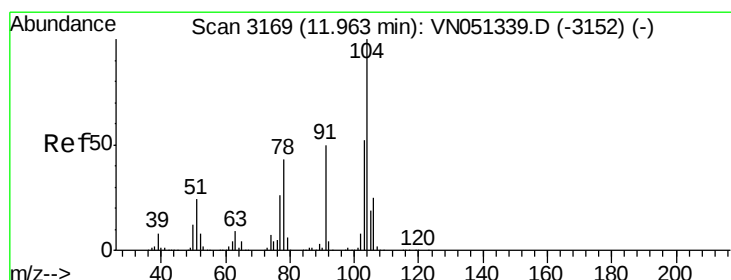
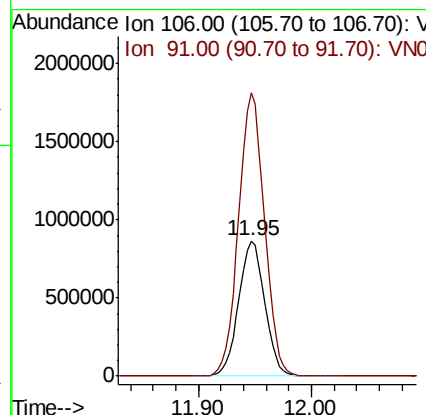
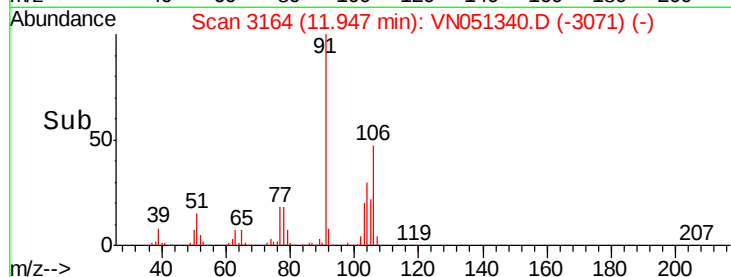
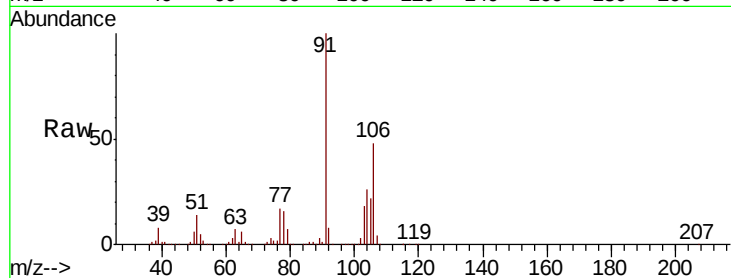
#69
o-Xylene
Concen: 112.385 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1391793
Ion Ratio Lower Upper
106 100
91 208.4 104.6 313.7

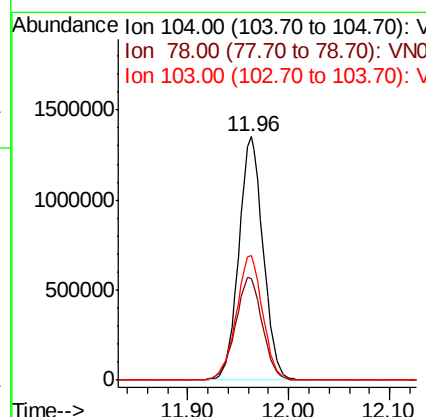
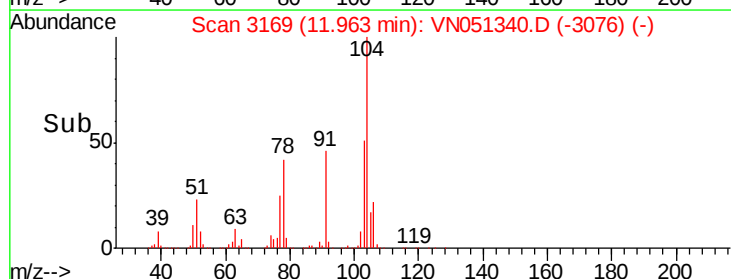
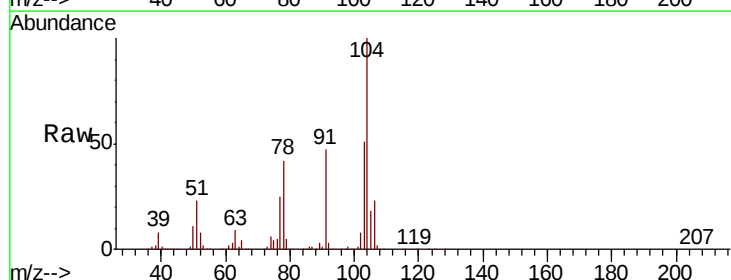
Manual Integrations
APPROVED

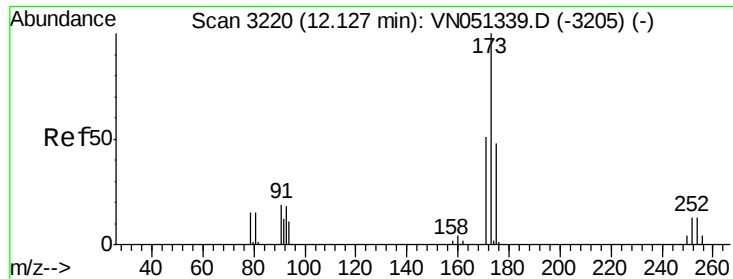
MMDadoda
9/24/2018 2:48:11 PM



#70
Styrene
Concen: 117.326 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion:104 Resp: 2255325
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.8 44.3 66.5





#71

Bromoform

Concen: 106.489 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

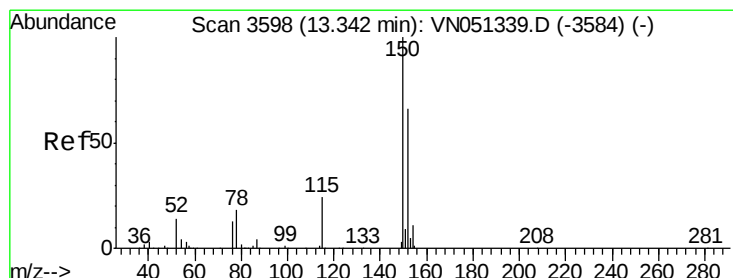
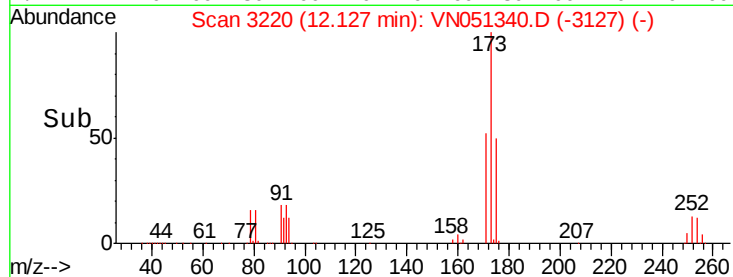
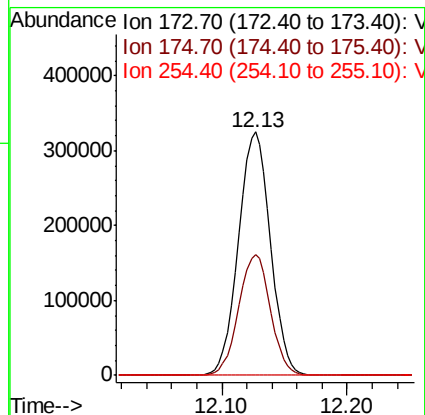
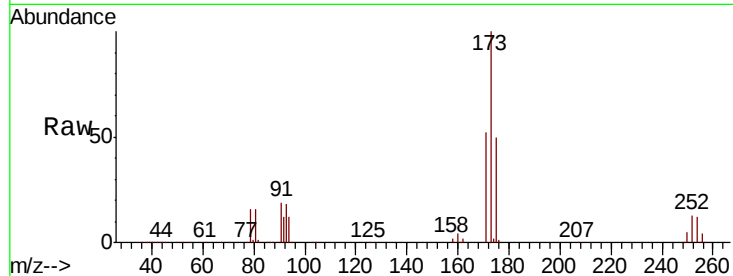
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

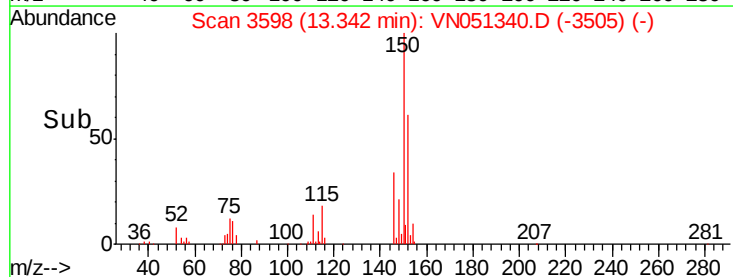
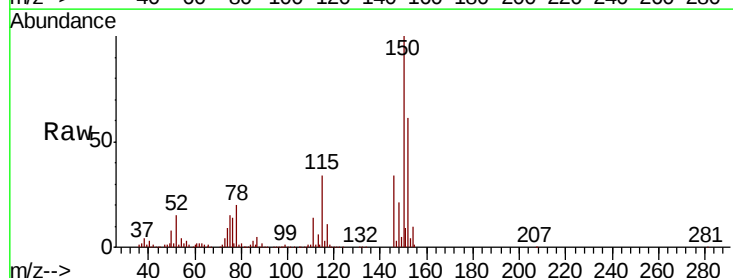
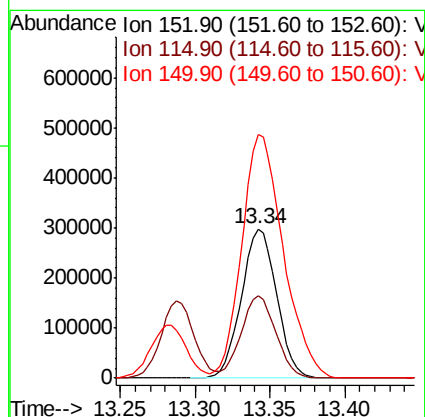
RT: 13.34 min Scan# 3598

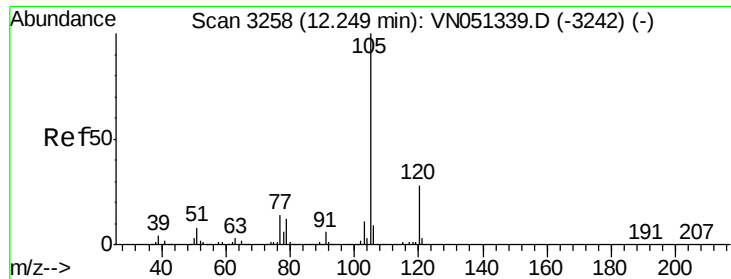
Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	26.9	80.7
150	192.6	0.0	345.0





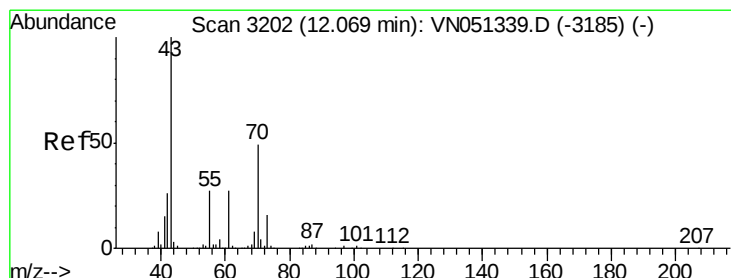
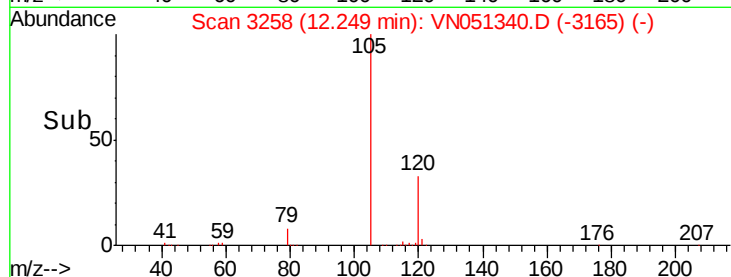
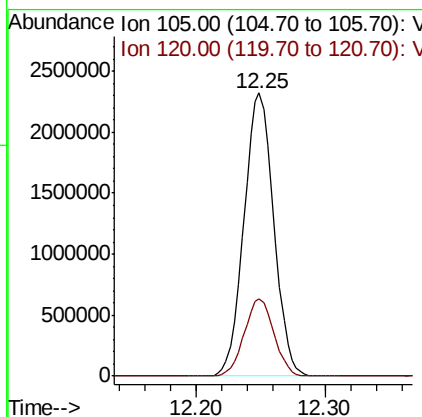
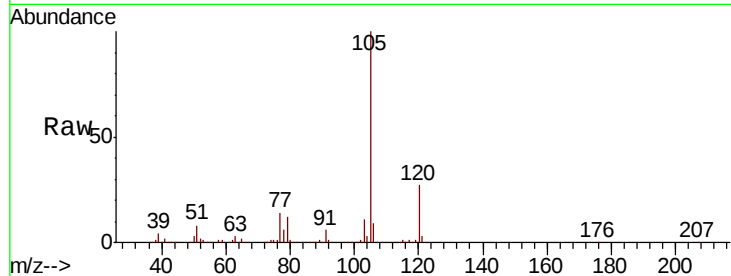
#73
Isopropylbenzene
Concen: 104.286 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:105 Resp: 3725455
Ion Ratio Lower Upper
105 100
120 27.3 13.9 41.6

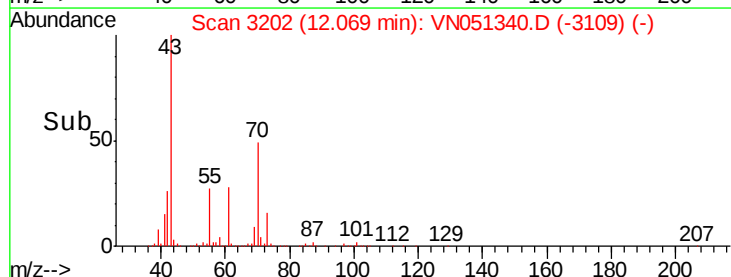
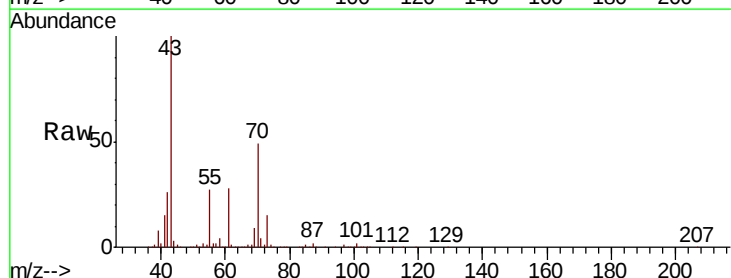
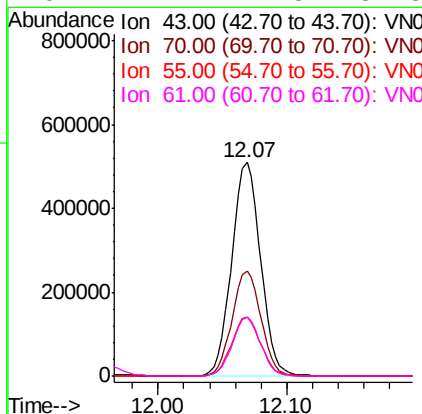
Manual Integrations
APPROVED

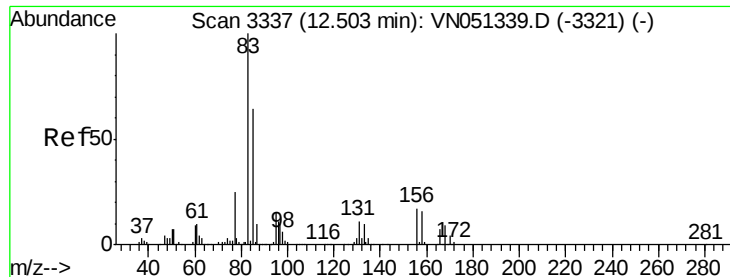
MMDadoda
9/24/2018 2:48:11 PM



#74
N-ethyl acetate
Concen: 103.436 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion: 43 Resp: 790526
Ion Ratio Lower Upper
43 100
70 49.2 39.5 59.3
55 27.7 22.6 34.0
61 27.2 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 88.210 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 777662
Ion Ratio Lower Upper

83 100

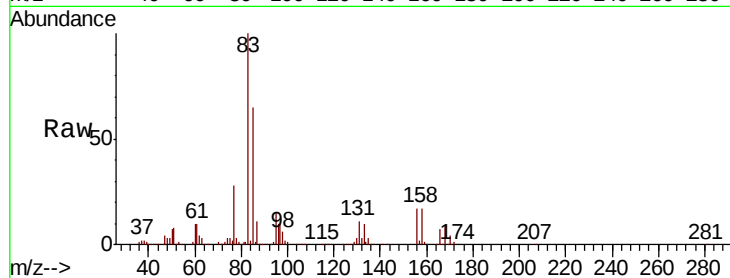
131 11.7 5.5 16.7

85 64.7 32.3 96.9

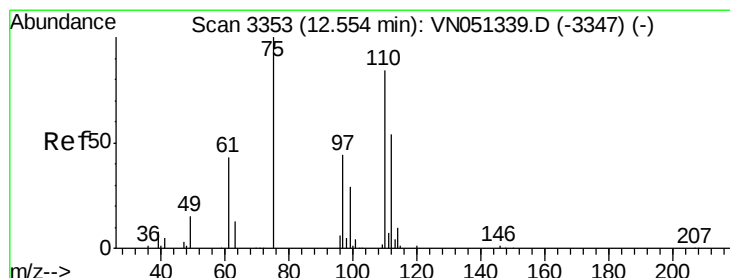
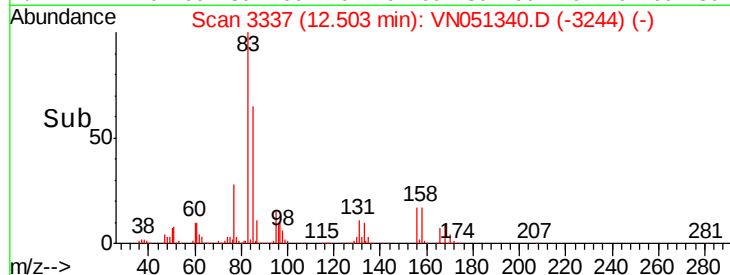
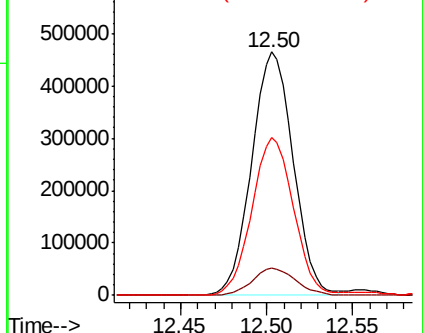
Manual Integrations
APPROVED

MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 87.698 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

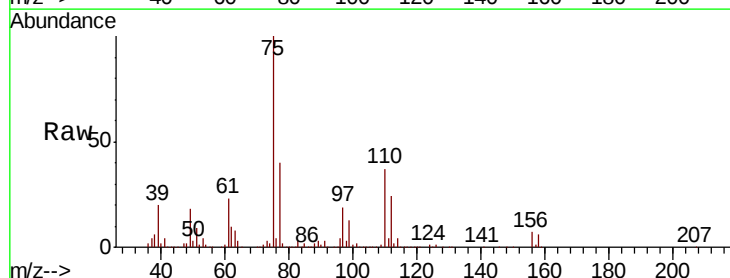
Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

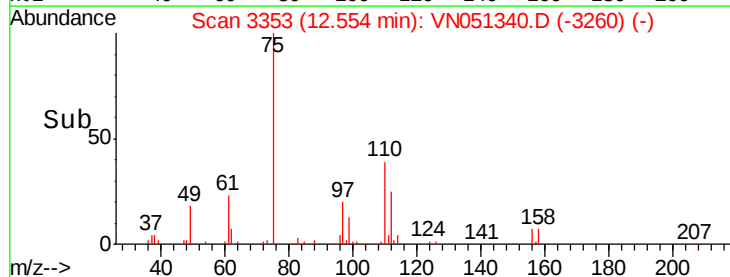
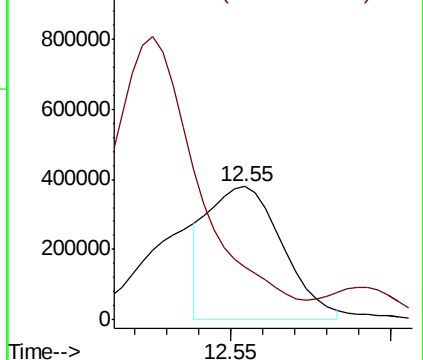
Tgt Ion: 75 Resp: 617291
Ion Ratio Lower Upper

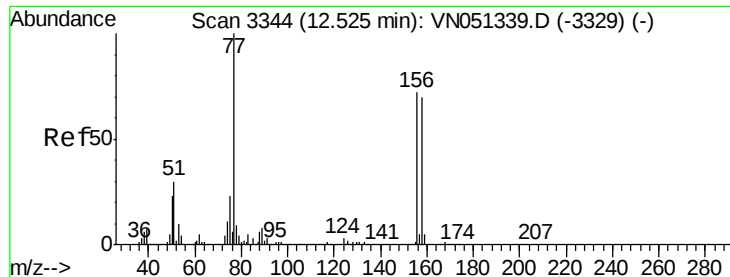
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





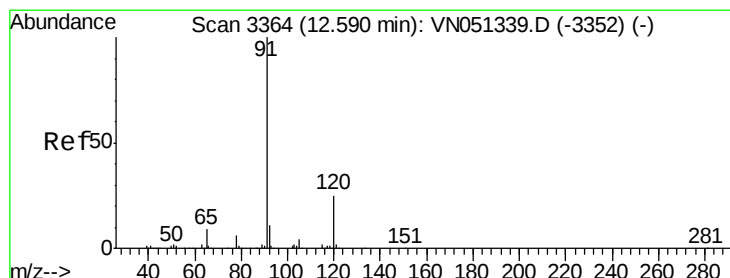
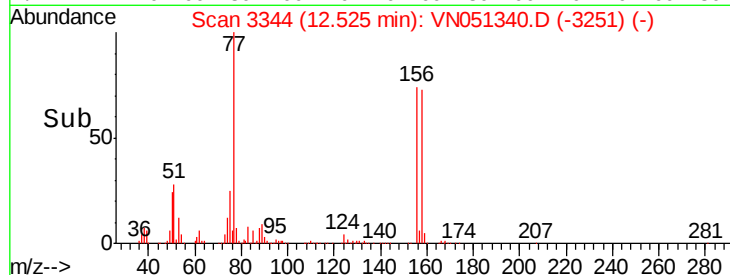
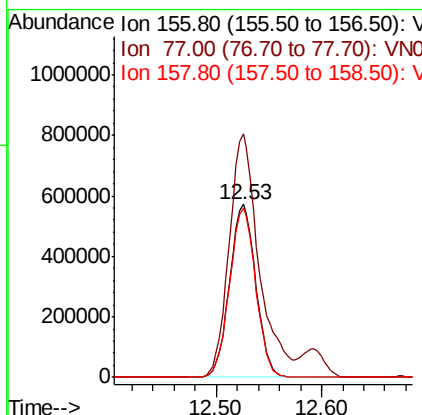
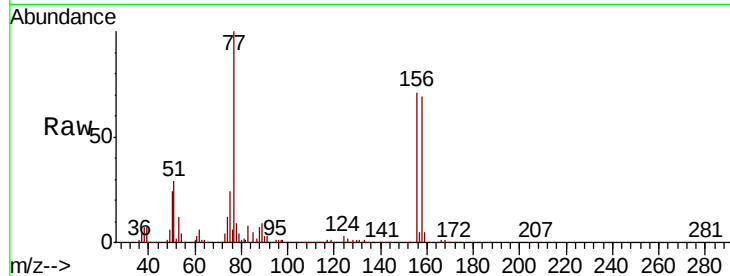
#77
Bromobenzene
Concen: 99.151 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.1	80.8	242.4
158	97.4	48.8	146.3

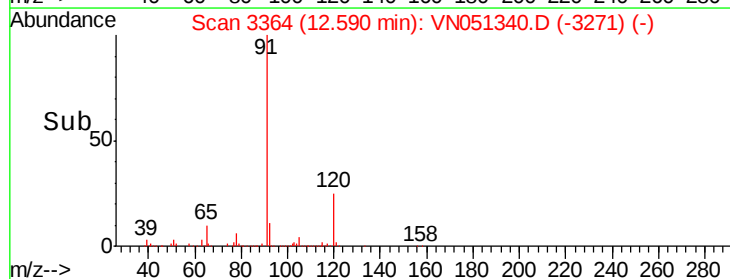
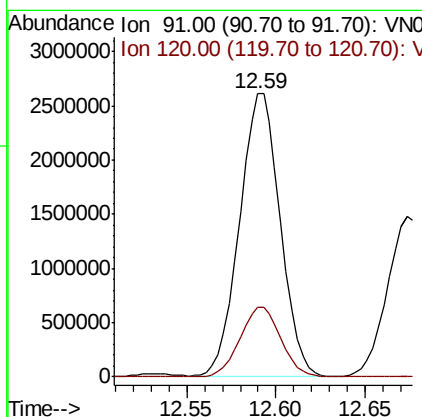
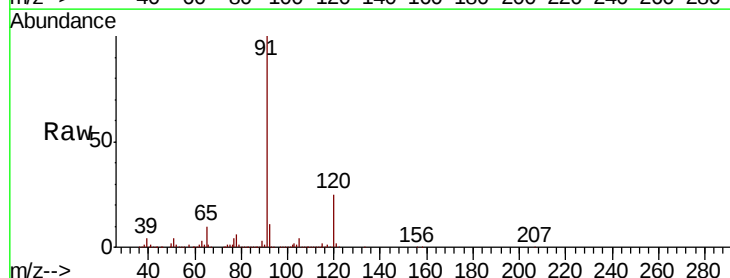
Manual Integrations
APPROVED

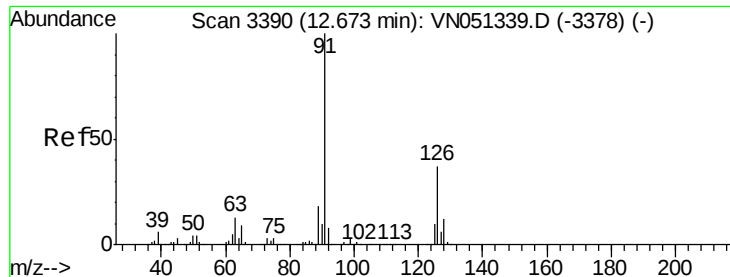
MMDadoda
9/24/2018 2:48:11 PM



#78
n-propylbenzene
Concen: 106.563 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.2





#79

2-Chlorotoluene

Concen: 100.910 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2421972

Ion Ratio Lower Upper

91 100

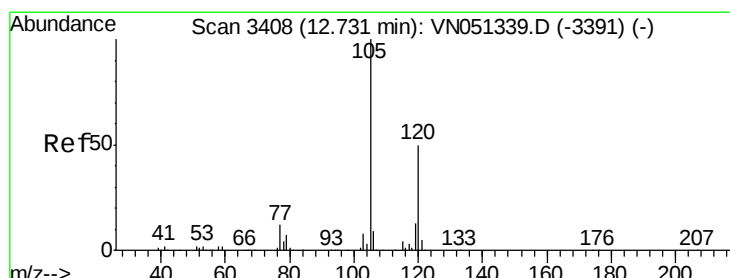
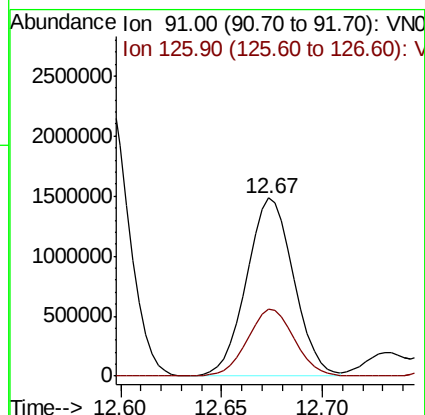
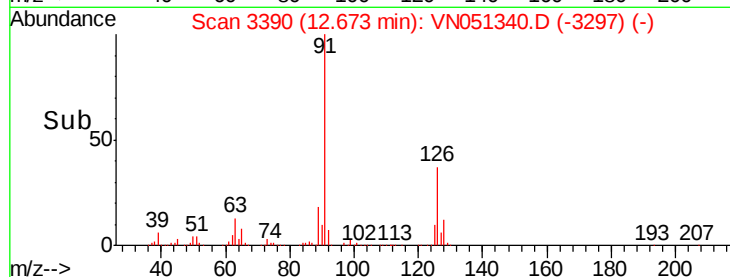
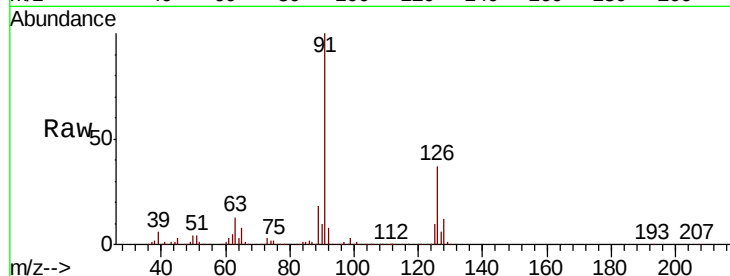
126 37.4 18.6 55.8

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:11 PM



#80

1,3,5-Trimethylbenzene

Concen: 106.862 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051340.D

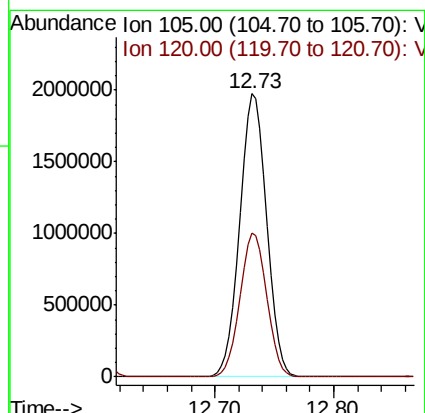
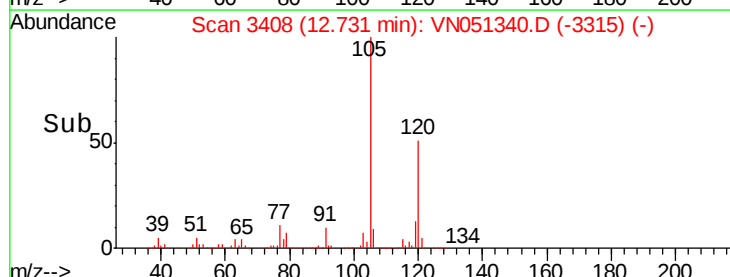
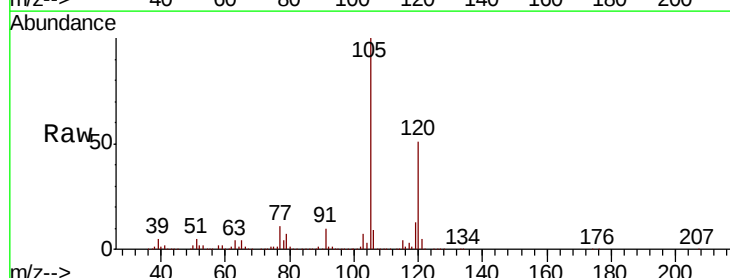
Acq: 20 Sep 2018 15:06

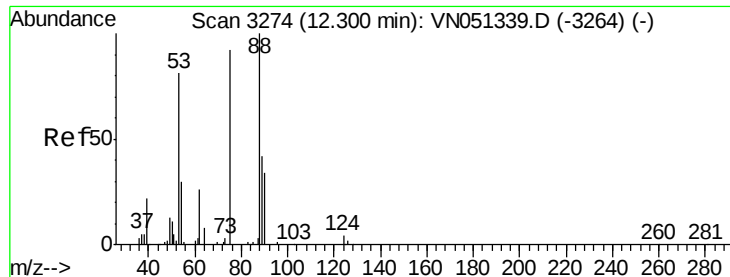
Tgt Ion: 105 Resp: 3094740

Ion Ratio Lower Upper

105 100

120 50.5 25.2 75.6





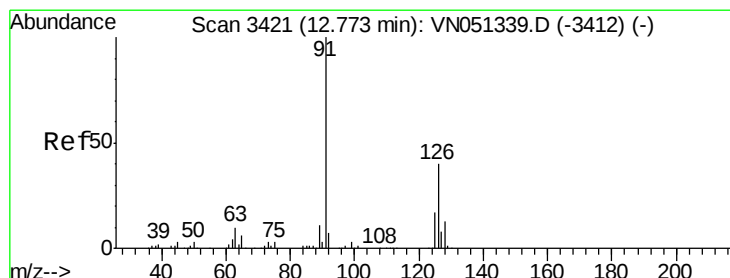
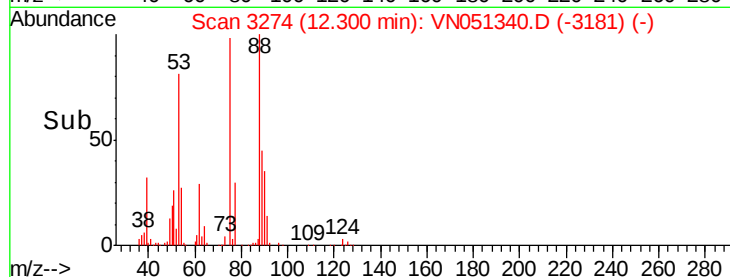
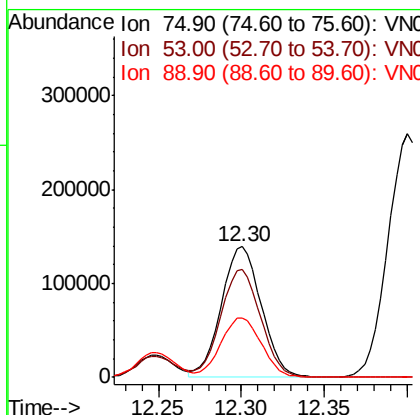
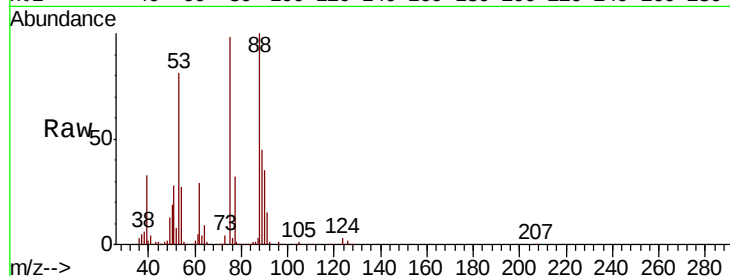
#81
trans-1,4-Dichloro-2-butene
Concen: 115.005 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.0	69.9	104.9
89	46.2	37.9	56.9

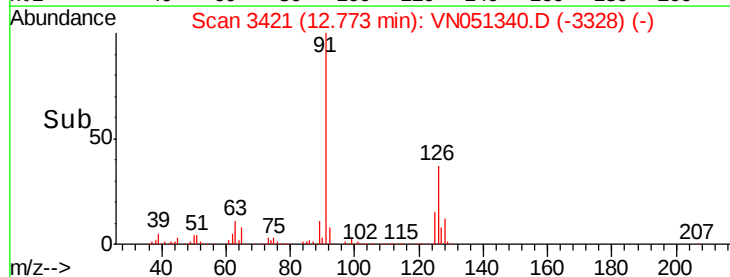
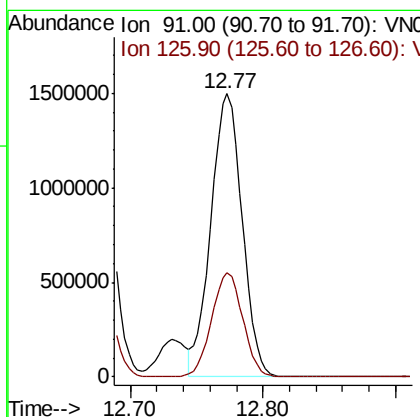
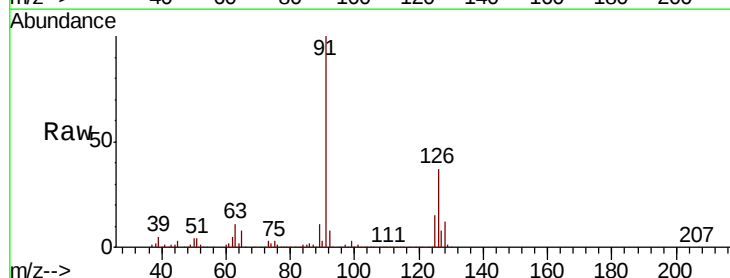
Manual Integrations
APPROVED

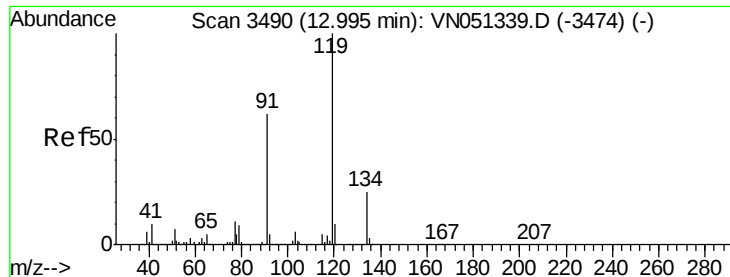
MMDadoda
9/24/2018 2:48:11 PM



#82
4-Chlorotoluene
Concen: 105.219 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.3	54.9





#83

tert-Butylbenzene

Concen: 105.937 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2746019

Ion Ratio Lower Upper

119 100

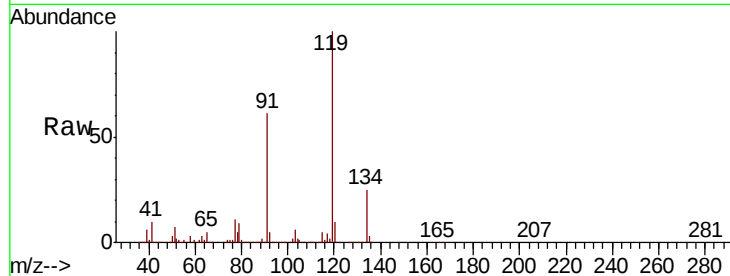
91 60.2 30.6 91.8

134 26.7 12.6 37.6

Manual Integrations
APPROVED

MMDadoda

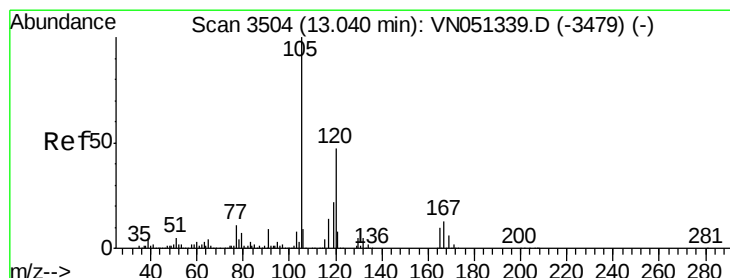
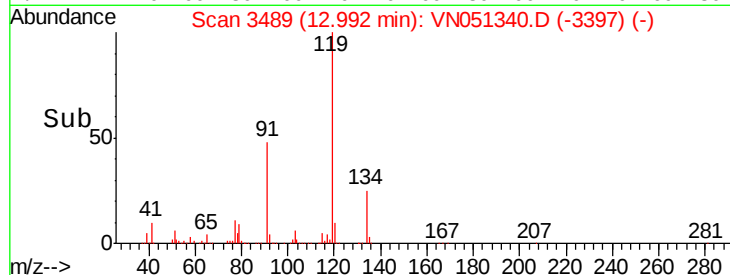
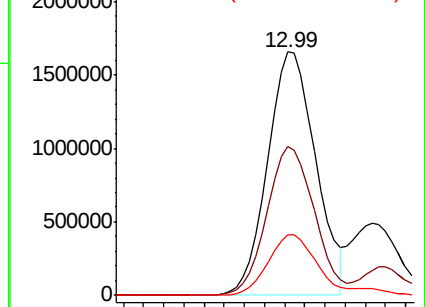
9/24/2018 2:48:11 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 108.942 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051340.D

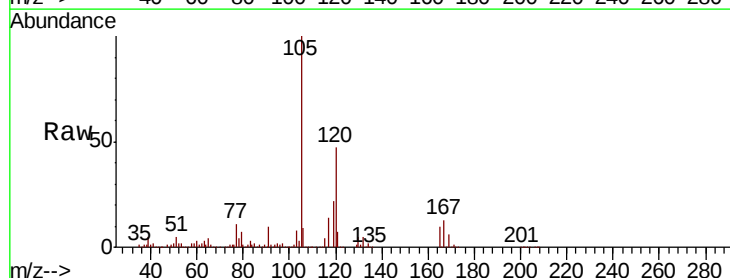
Acq: 20 Sep 2018 15:06

Tgt Ion:105 Resp: 3131361

Ion Ratio Lower Upper

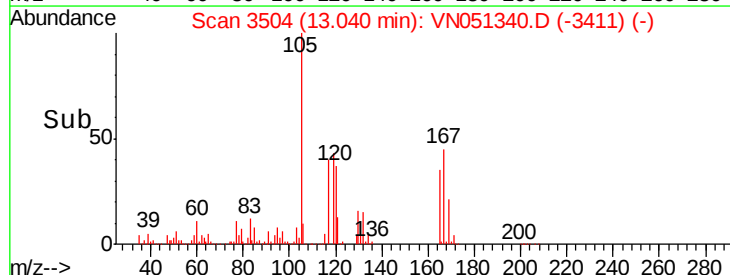
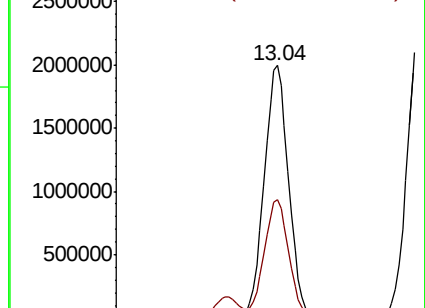
105 100

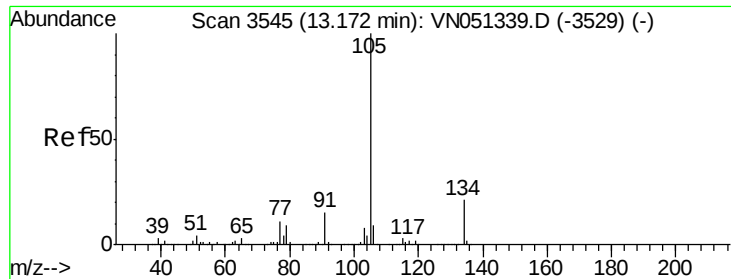
120 47.2 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 106.857 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3683499

Ion Ratio Lower Upper

105 100

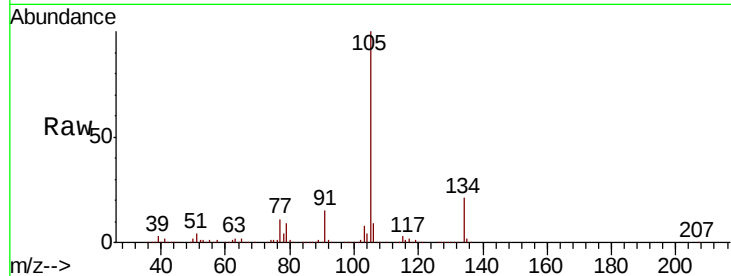
134 21.3 10.8 32.3

Manual Integrations

APPROVED

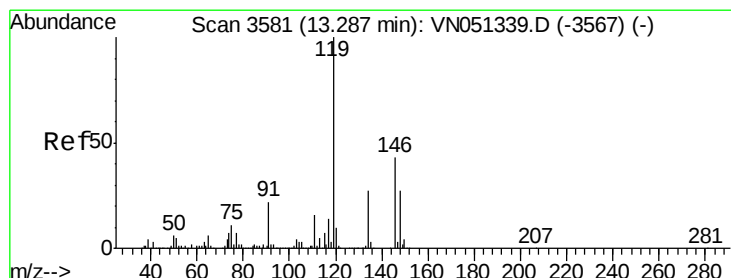
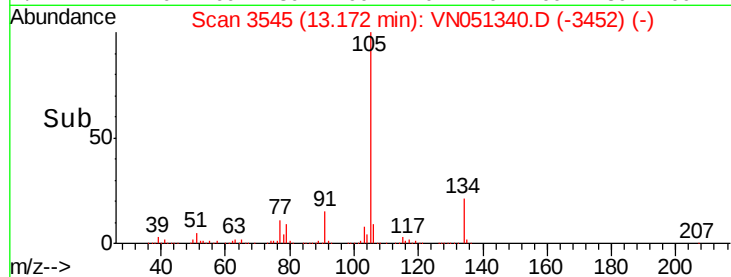
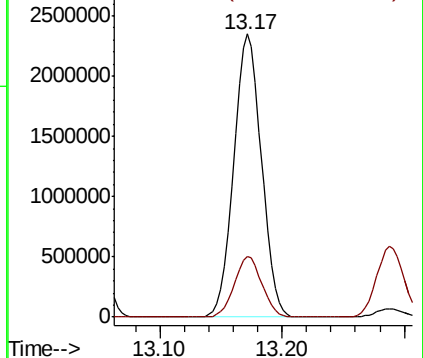
MMDadoda

9/24/2018 2:48:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 112.212 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

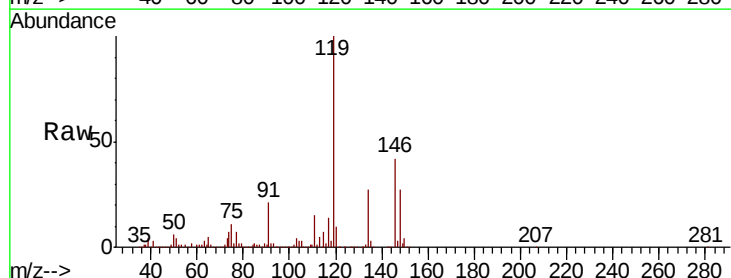
Tgt Ion:119 Resp: 3366356

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

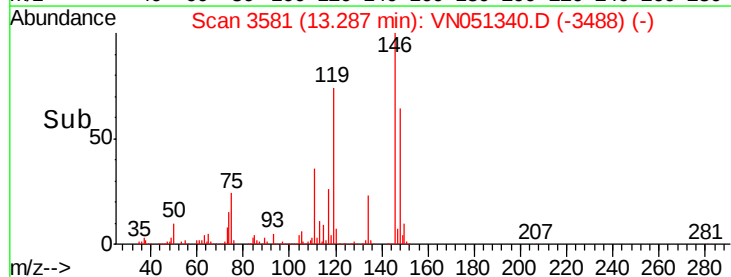
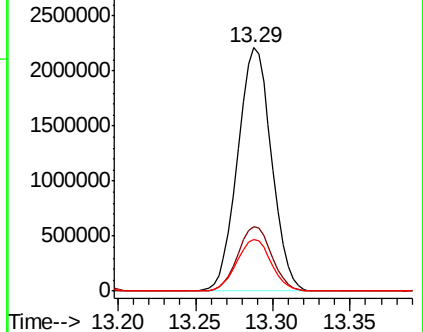
91 21.4 10.8 32.3

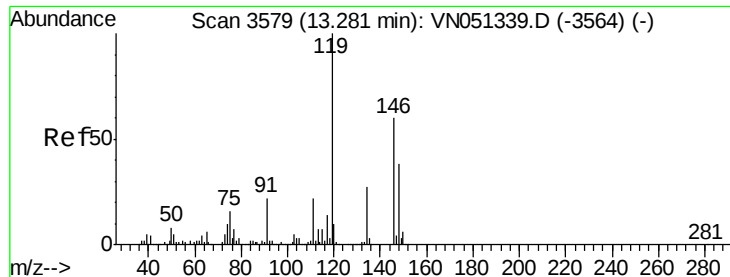


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 103.013 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

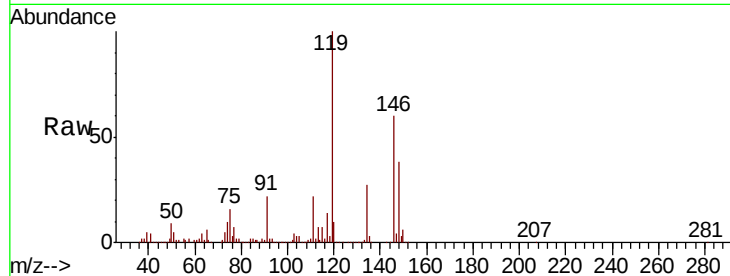
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.4	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM

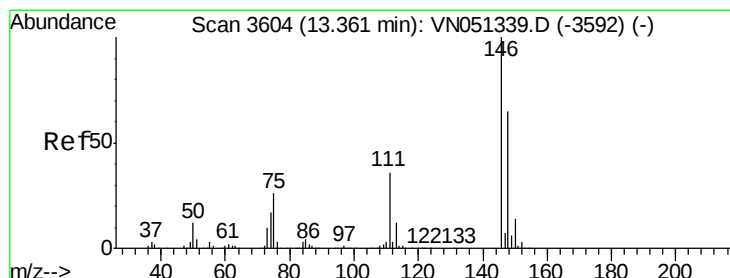
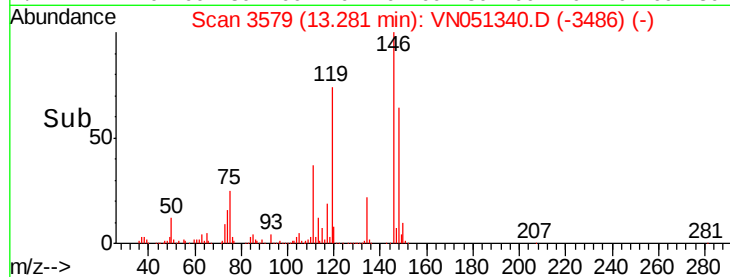
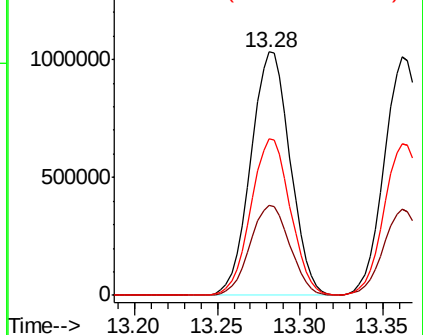


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 102.782 ug/l

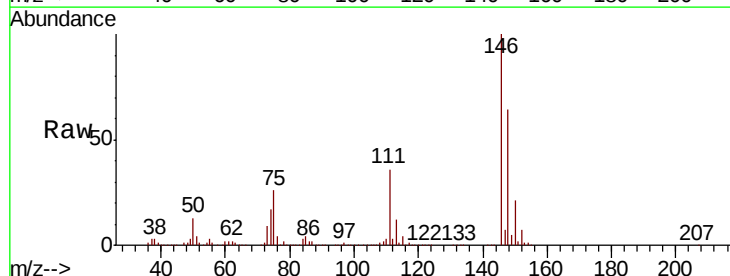
RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.2	54.6
148	64.6	32.5	97.4

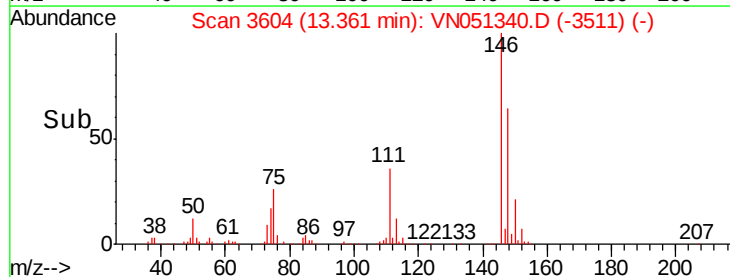
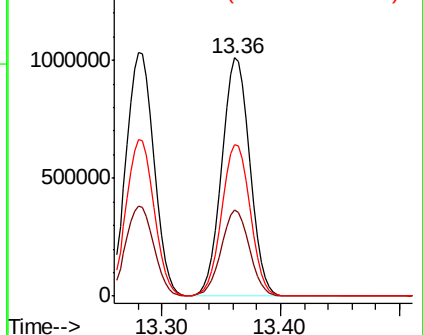


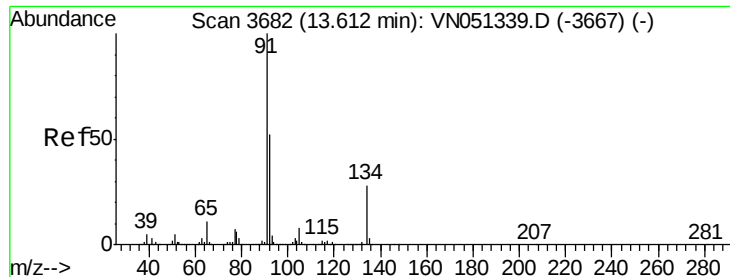
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





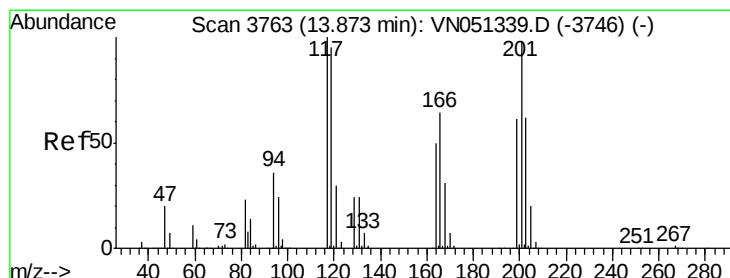
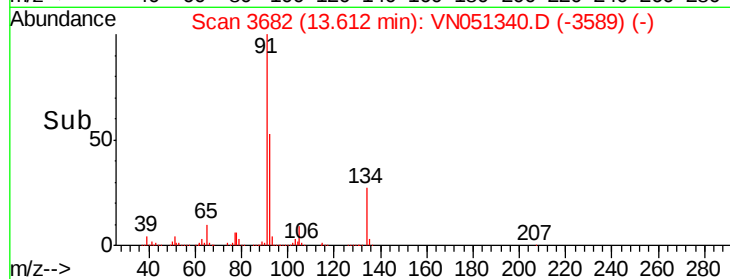
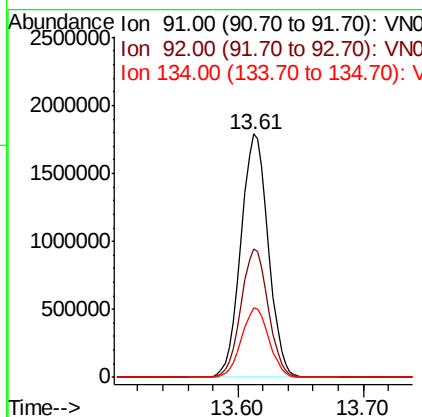
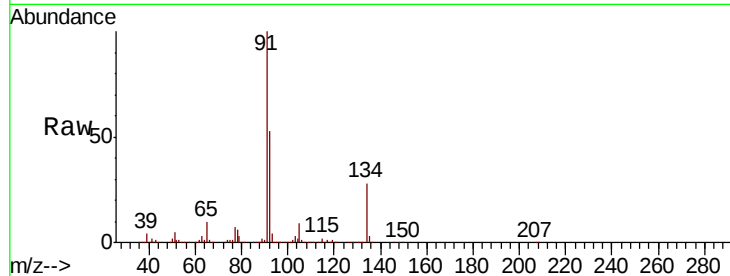
#89
n-Butylbenzene
Concen: 116.212 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	28.5	14.1	42.4

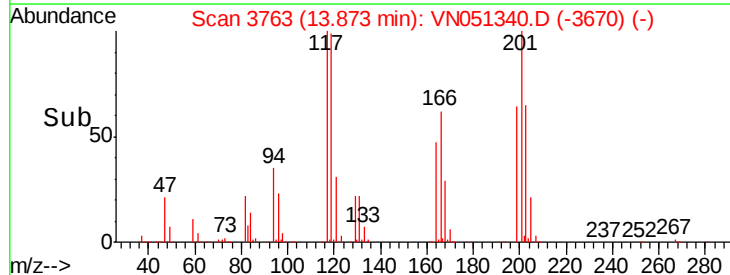
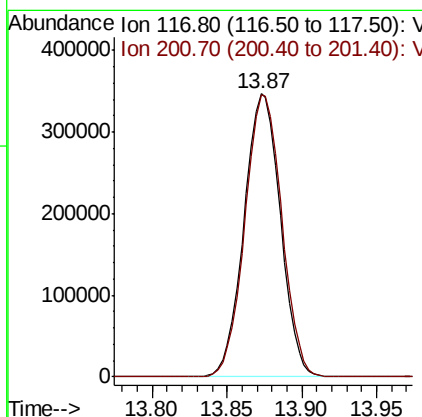
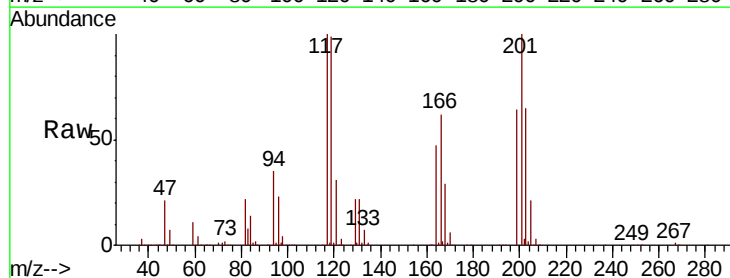
Manual Integrations
APPROVED

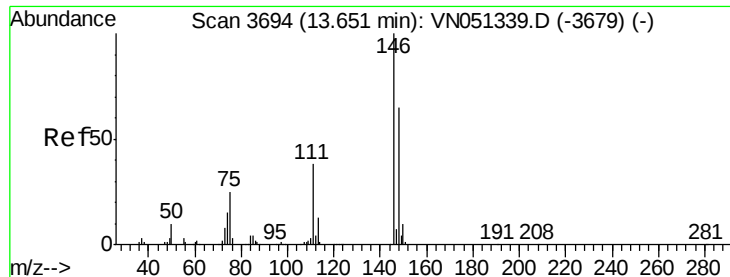
MMDadoda
9/24/2018 2:48:11 PM



#90
Hexachloroethane
Concen: 91.500 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051340.D
Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.0	49.5	148.3





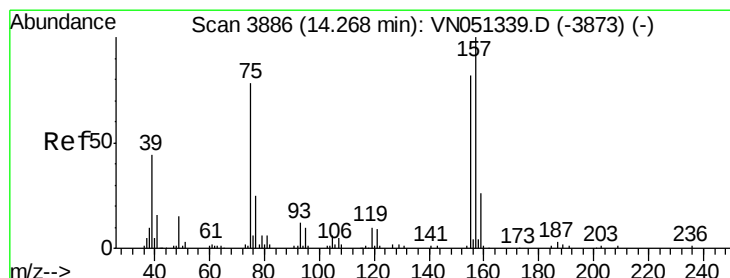
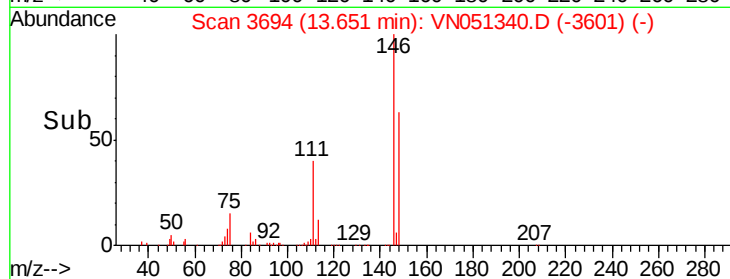
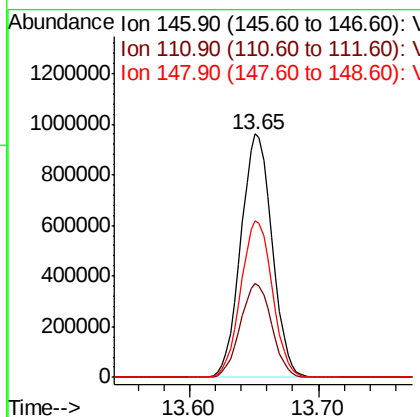
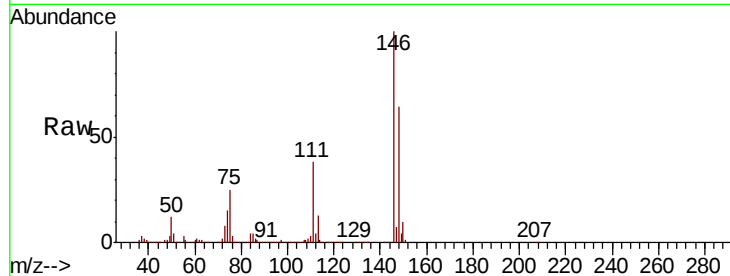
#91
 1,2-Dichlorobenzene
 Concen: 101.058 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	64.9	32.9	98.7

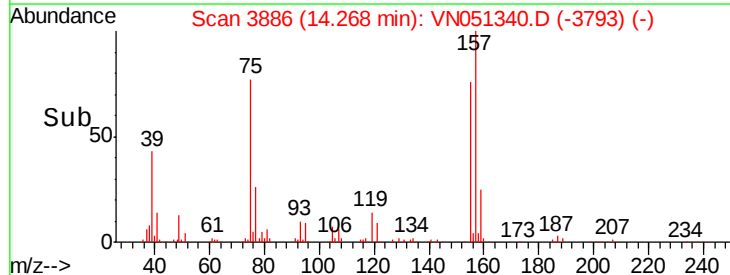
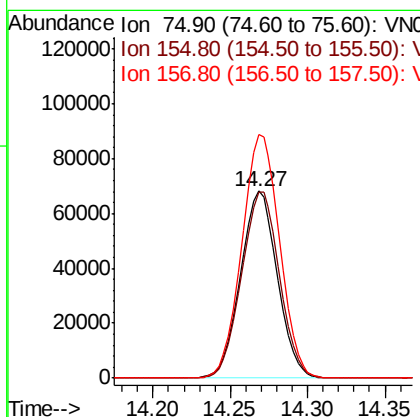
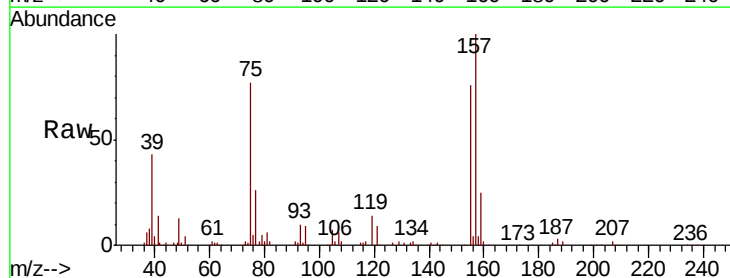
Manual Integrations
 APPROVED

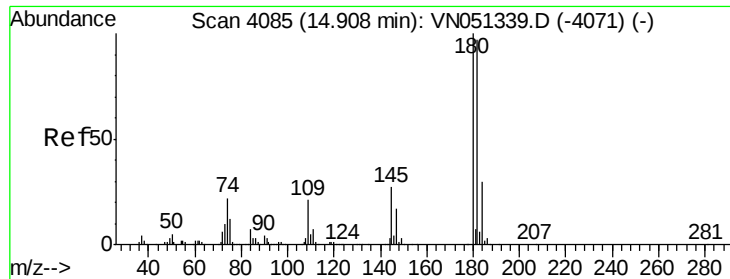
MMDadoda
 9/24/2018 2:48:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.756 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	51.4	154.2
157	133.2	65.4	196.2





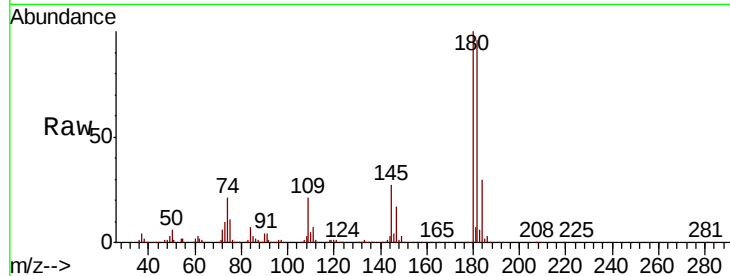
#93
 1,2,4-Trichlorobenzene
 Concen: 131.013 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	962533		
182	95.7	48.4	145.2	
145	27.3	13.7	41.1	

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:11 PM

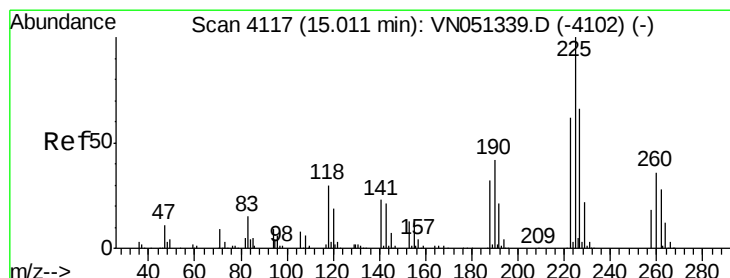
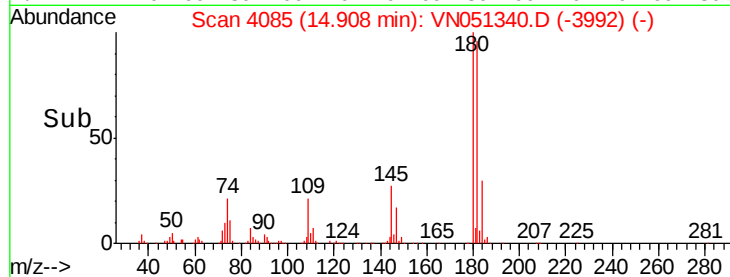
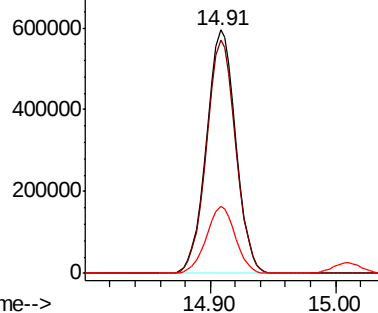


Abundance

Ion 179.80 (179.50 to 180.50): V

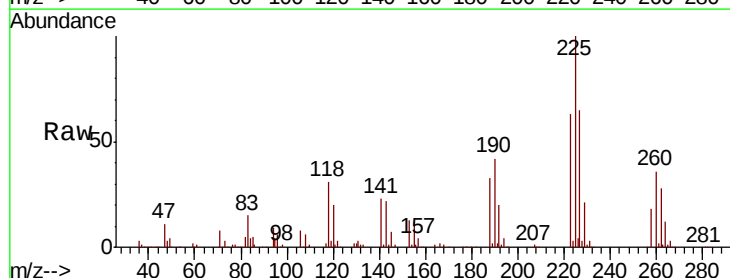
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 97.917 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051340.D
 Acq: 20 Sep 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	609010		
223	62.6	31.2	93.6	
227	64.4	32.8	98.4	

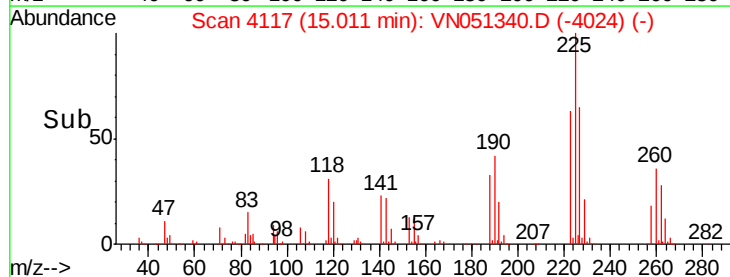
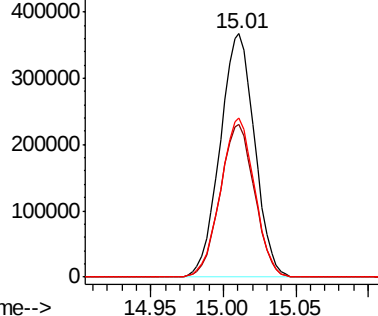


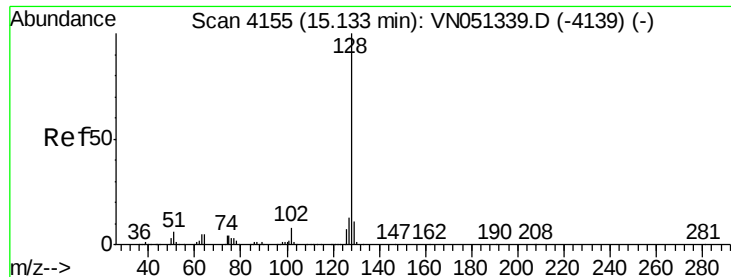
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 138.112 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Instrument :

MSVOA_N

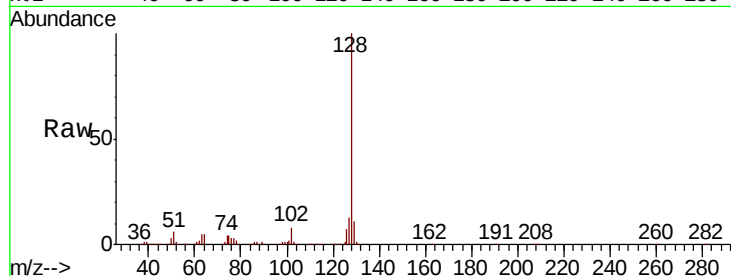
ClientSampleId :

VSTDIC100

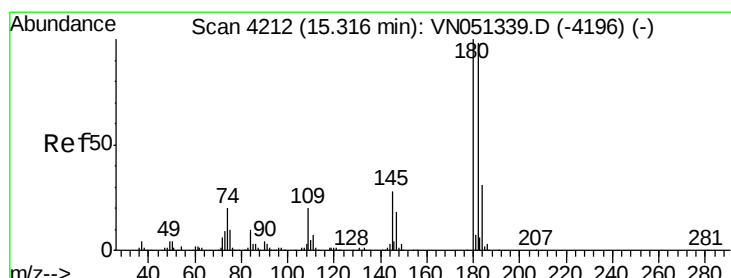
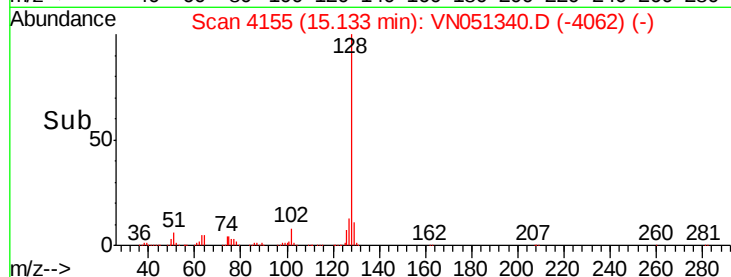
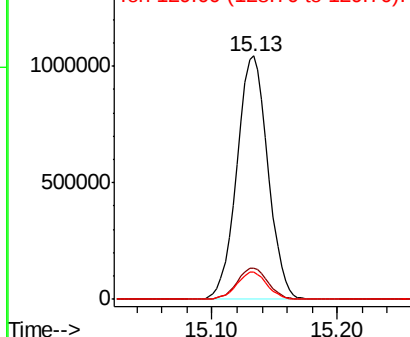
Tot Ion:	128	Resp:	1788691
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:11 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 124.188 ug/l

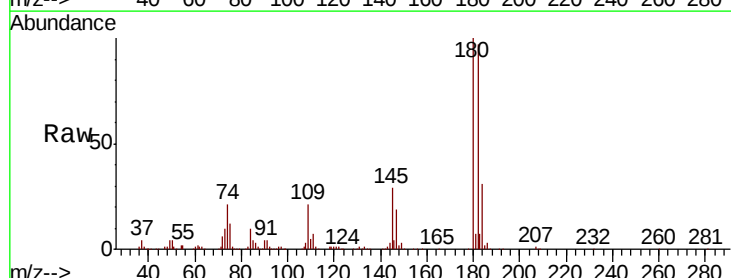
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051340.D

Acq: 20 Sep 2018 15:06

Tgt Ion:	180	Resp:	907772
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.1	144.3
145	28.8	14.3	42.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

