

Data File : VN051401.D
Acq On : 23 Sep 2018 9:38
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM

Quant Time: Sep 24 06:56:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	539880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	771886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	373708	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	339316	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.59	113	308614	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.09	98	1171481	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	397778	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	244237	48.490	ug/l	100
3) Chloromethane	2.06	50	402147	50.155	ug/l	99
4) Vinyl Chloride	2.18	62	448019	50.626	ug/l	98
5) Bromomethane	2.57	94	271795	51.248	ug/l	100
6) Chloroethane	2.70	64	282326	51.199	ug/l	98
7) Trichlorofluoromethane	3.01	101	563068	48.576	ug/l	98
8) Diethyl Ether	3.41	74	167627	45.930	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	291311	44.530	ug/l	98
10) Methyl Iodide	3.95	142	397302	45.741	ug/l	99
11) Tert butyl alcohol	4.78	59	85221	223.275	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	268923	44.770	ug/l	98
13) Acrolein	3.60	56	68961	181.948	ug/l	96
14) Allyl chloride	4.32	41	457280	45.374	ug/l	99
15) Acrylonitrile	4.98	53	483429	232.831	ug/l	100
16) Acetone	3.82	43	331884	217.721	ug/l	98
17) Carbon Disulfide	4.05	76	815630	46.218	ug/l	100
18) Methyl Acetate	4.32	43	234172	45.464	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	760908	49.124	ug/l	99
20) Methylene Chloride	4.55	84	324112	48.431	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	297194	48.365	ug/l	99
22) Diisopropyl ether	5.95	45	1018060	52.260	ug/l	100
23) Vinyl Acetate	5.89	43	3169898	247.852	ug/l	99
24) 1,1-Dichloroethane	5.85	63	582411	50.107	ug/l	100
25) 2-Butanone	6.83	43	516255	223.024	ug/l	98
26) 2,2-Dichloropropane	6.82	77	299916	33.055	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	334500	49.611	ug/l	98
28) Bromochloromethane	7.19	49	266418	49.635	ug/l	99
29) Tetrahydrofuran	7.21	42	357060	243.409	ug/l	99
30) Chloroform	7.37	83	577114	50.109	ug/l	100
31) Cyclohexane	7.65	56	518645	48.703	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	502456	51.031	ug/l	99
36) 1,1-Dichloropropene	7.79	75	442956	49.556	ug/l	98
37) Ethyl Acetate	6.93	43	241891	47.066	ug/l	100
38) Carbon Tetrachloride	7.77	117	458827	49.076	ug/l	100

Data File : VN051401.D
Acq On : 23 Sep 2018 9:38
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM

Quant Time: Sep 24 06:56:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	517352	49.511	ug/l	97
40) Benzene	8.04	78	1307178	49.806	ug/l	97
41) Methacrylonitrile	7.17	41	125584	44.168	ug/l	96
42) 1,2-Dichloroethane	8.12	62	416786	49.594	ug/l	99
43) Isopropyl Acetate	8.16	43	442259	47.589	ug/l	98
44) Trichloroethene	8.83	130	344221	49.378	ug/l	99
45) 1,2-Dichloropropane	9.12	63	353135	49.498	ug/l	100
46) Dibromomethane	9.21	93	197916	49.097	ug/l	99
47) Bromodichloromethane	9.40	83	445251	49.912	ug/l	98
48) Methyl methacrylate	9.20	41	226803	48.950	ug/l	100
49) 1,4-Dioxane	9.20	88	55597	979.093	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1231609	240.972	ug/l	100
52) Toluene	10.15	92	834888	51.187	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	417678	46.377	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	489463	46.864	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	284952	49.433	ug/l	98
56) Ethyl methacrylate	10.43	69	351519	49.877	ug/l	99
57) 1,3-Dichloropropane	10.71	76	489016	49.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	895389	235.999	ug/l	99
59) 2-Hexanone	10.75	43	791858	238.996	ug/l	99
60) Dibromochloromethane	10.90	129	340831	50.112	ug/l	99
61) 1,2-Dibromoethane	11.00	107	275321	49.201	ug/l	100
64) Tetrachloroethene	10.63	164	330712	50.382	ug/l	99
65) Chlorobenzene	11.43	112	905735	48.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	341918	48.362	ug/l	99
67) Ethyl Benzene	11.51	91	1561481	49.930	ug/l	100
68) m/p-Xylenes	11.62	106	1222342	101.048	ug/l	100
69) o-Xylene	11.95	106	590019	50.736	ug/l	100
70) Styrene	11.96	104	956299	51.896	ug/l	100
71) Bromoform	12.12	173	231605	48.278	ug/l #	99
73) Isopropylbenzene	12.25	105	1587191	50.337	ug/l	99
74) N-amyl acetate	12.07	43	391081	49.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	345998	47.057	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	291945m	47.059	ug/l	
77) Bromobenzene	12.53	156	387805	48.584	ug/l	99
78) n-propylbenzene	12.59	91	1817094	51.133	ug/l	100
79) 2-Chlorotoluene	12.67	91	1069563	50.281	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1317856	51.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83725	41.499	ug/l	99
82) 4-Chlorotoluene	12.77	91	1061448	49.995	ug/l	100
83) tert-Butylbenzene	12.99	119	1165078	50.911	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1335192	51.536	ug/l	100
85) sec-Butylbenzene	13.17	105	1593406	51.468	ug/l	100
86) p-Isopropyltoluene	13.29	119	1365717	50.981	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	681872	49.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	649913	48.899	ug/l	100
89) n-Butylbenzene	13.61	91	1102009	50.026	ug/l	99
90) Hexachloroethane	13.87	117	263399	49.348	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	654559	48.839	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49524	47.196	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Quantitation Report (QT Reviewed)

Data File : VN051401.D
Acq On : 23 Sep 2018 9:38
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM

Quant Time: Sep 24 06:56:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	322922	45.327	ug/l	99
94) Hexachlorobutadiene	15.01	225	237150	46.767	ug/l	99
95) Naphthalene	15.13	128	569431	42.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	317053	49.295	ug/l	98

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

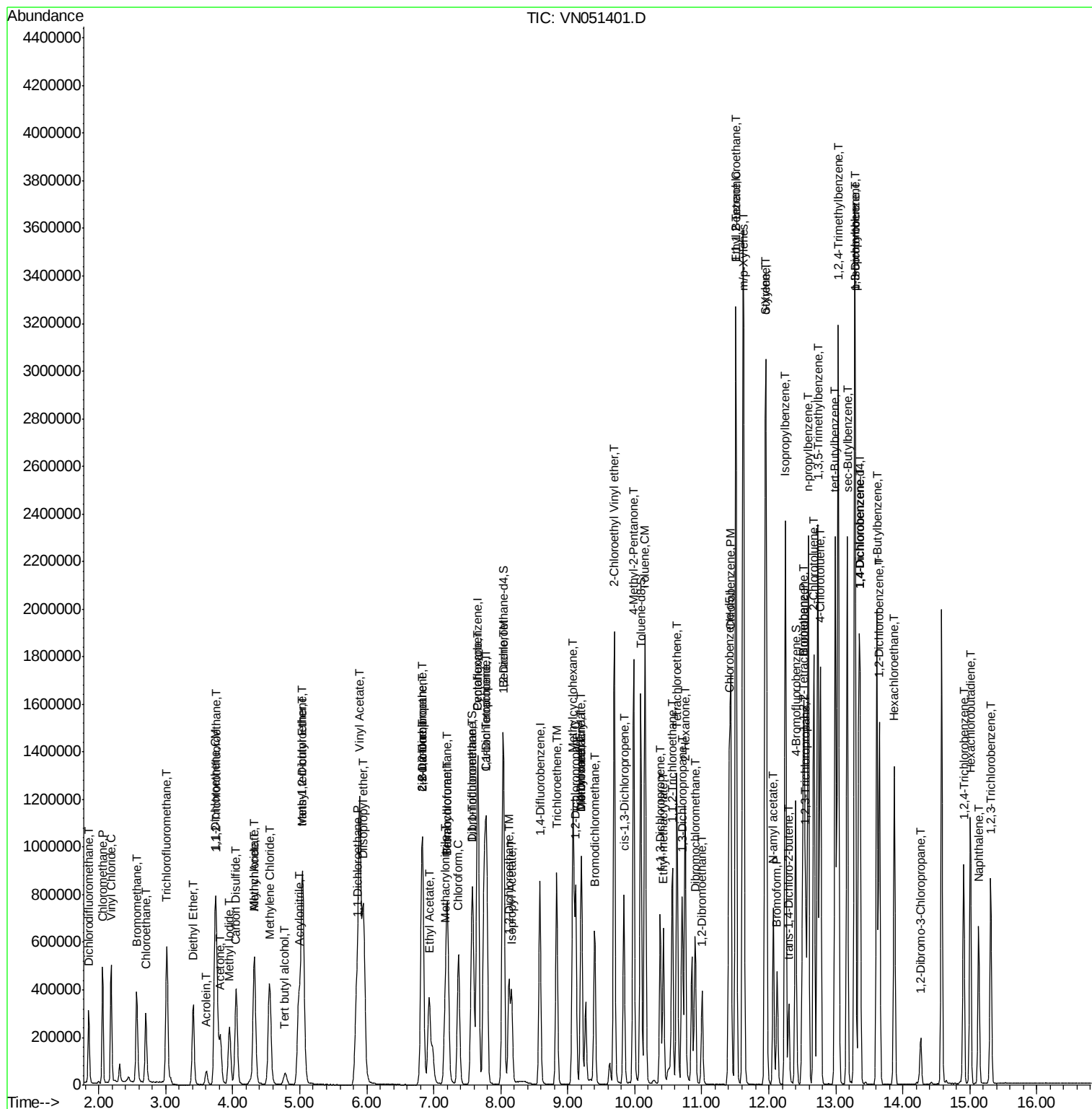
Data File : VN051401.D
Acq On : 23 Sep 2018 9:38
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

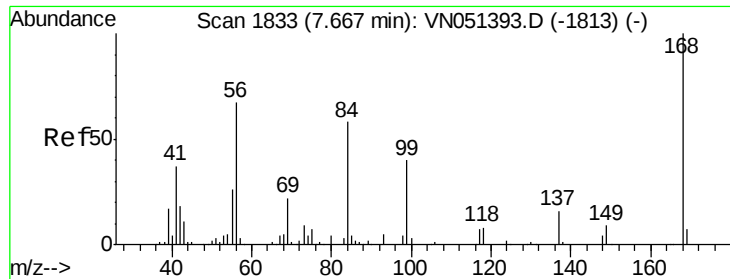
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM

Quant Time: Sep 24 06:56:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 539880

Ion Ratio Lower Upper

168 100

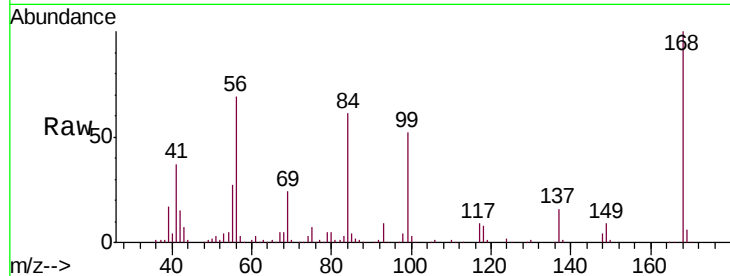
99 51.8 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:25 PM



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.66

250000

200000

150000

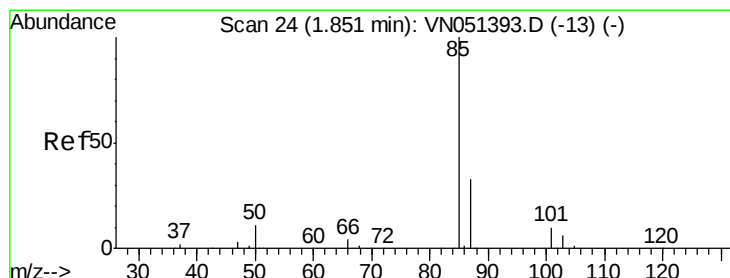
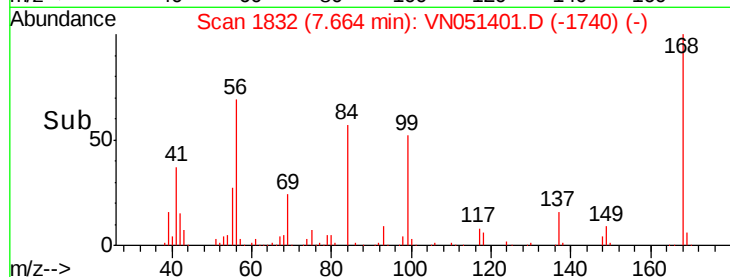
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.490 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051401.D

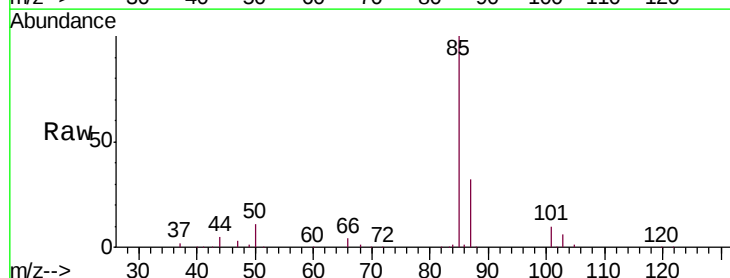
Acq: 23 Sep 2018 9:38

Tgt Ion: 85 Resp: 244237

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051393.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051393.D (-13) (-)

1.85

200000

150000

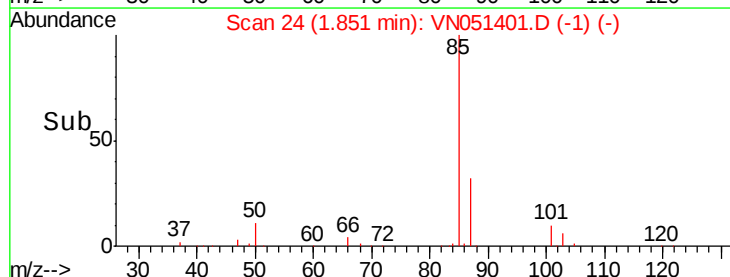
100000

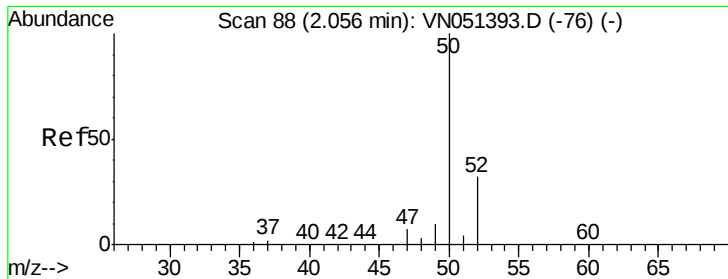
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.155 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 402147

Ion Ratio Lower Upper

50 100

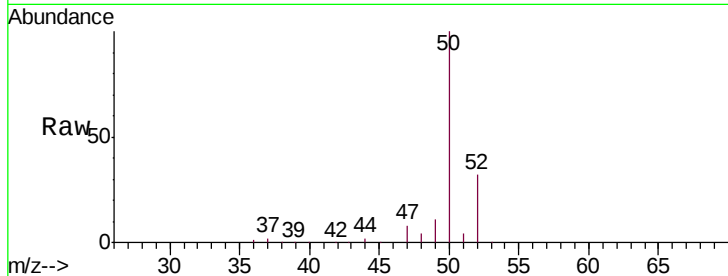
52 32.4 25.7 38.5

Manual Integrations

APPROVED

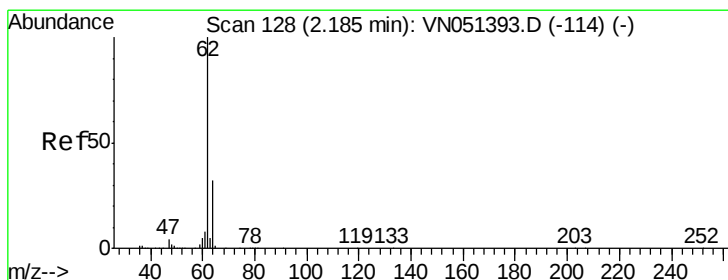
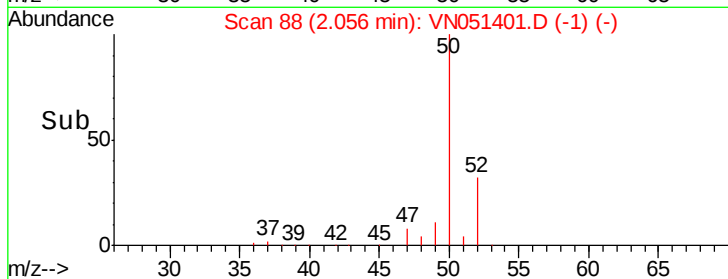
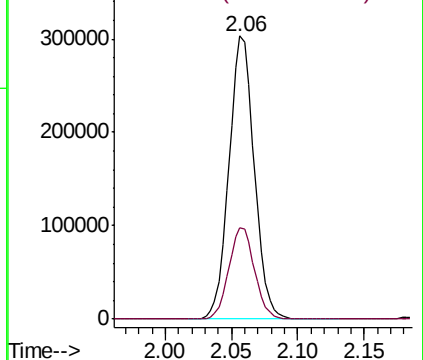
MMDadoda

9/24/2018 2:15:25 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 50.626 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051401.D

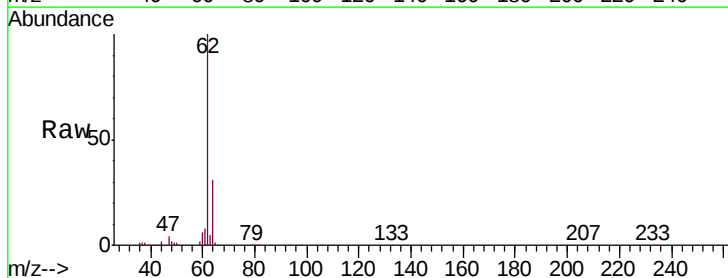
Acq: 23 Sep 2018 9:38

Tgt Ion: 62 Resp: 448019

Ion Ratio Lower Upper

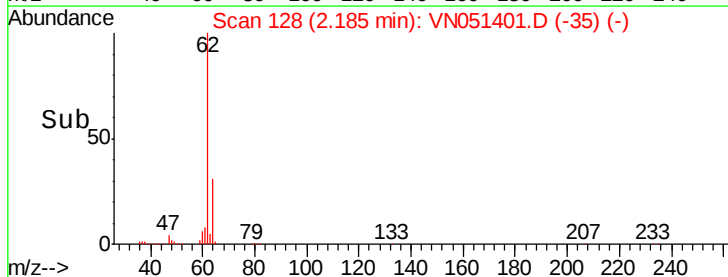
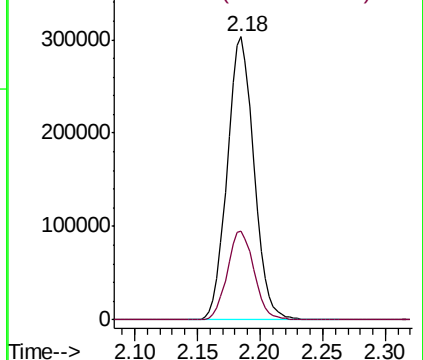
62 100

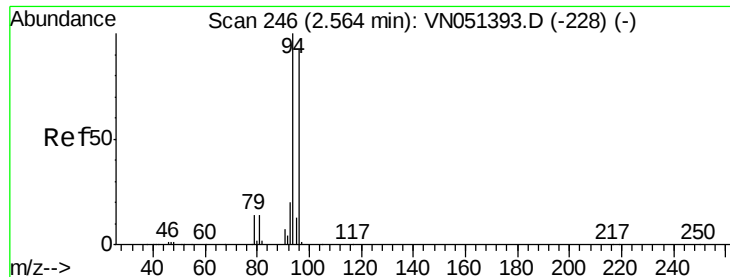
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 51.248 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 271795

Ion Ratio Lower Upper

94 100

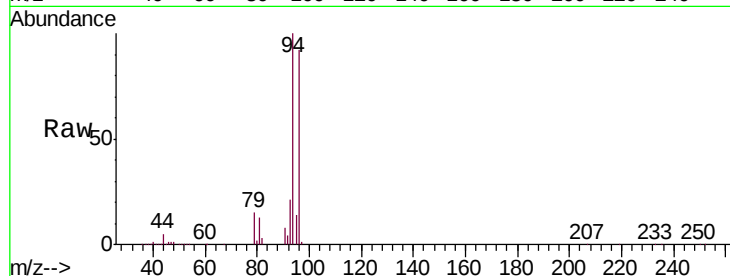
96 92.0 73.6 110.4

Manual Integrations

APPROVED

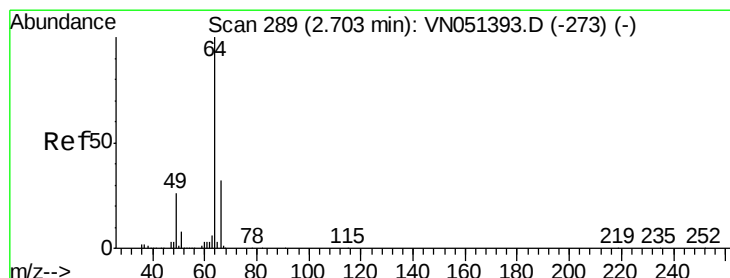
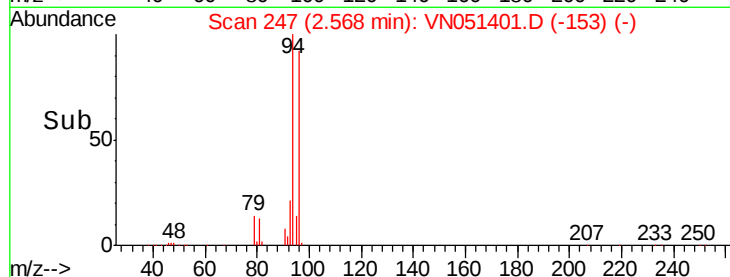
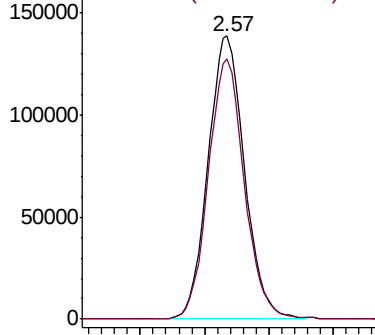
MMDadoda

9/24/2018 2:15:25 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.199 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051401.D

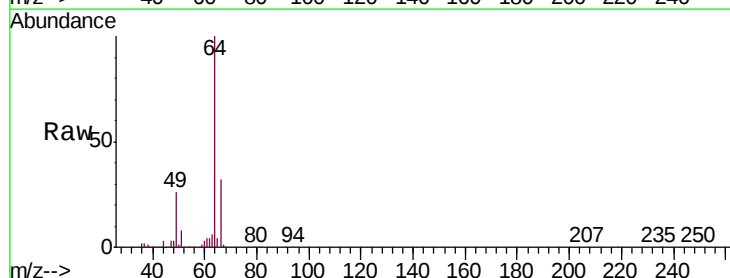
Acq: 23 Sep 2018 9:38

Tgt Ion: 64 Resp: 282326

Ion Ratio Lower Upper

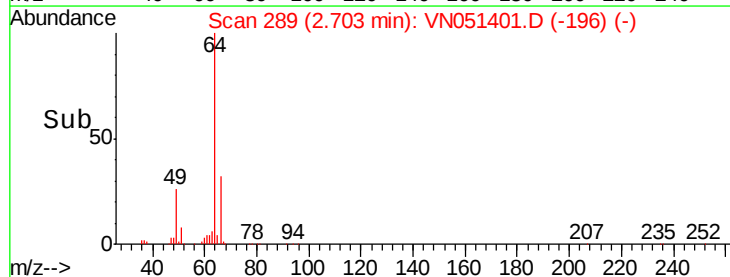
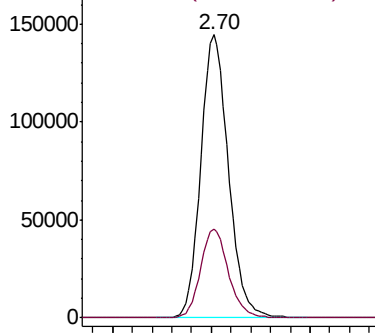
64 100

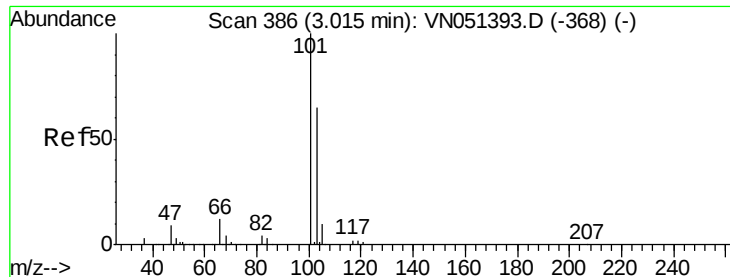
66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

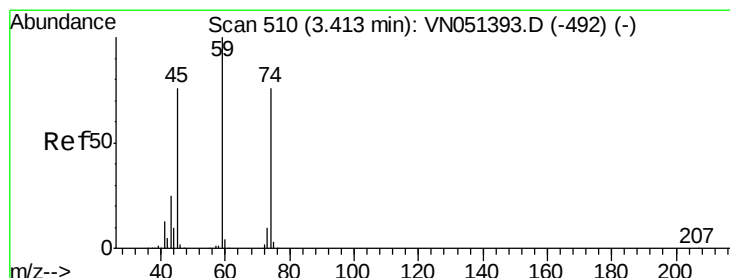
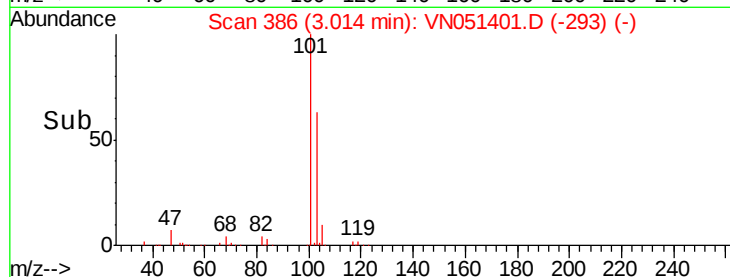
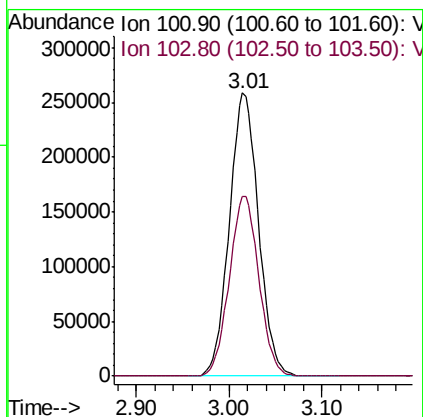
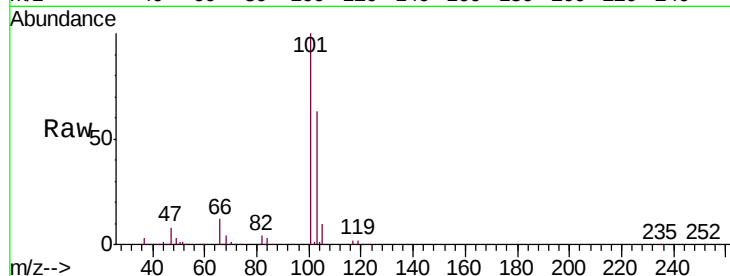
Trichlorofluoromethane
 Concen: 48.576 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.8

Manual Integrations
 APPROVED

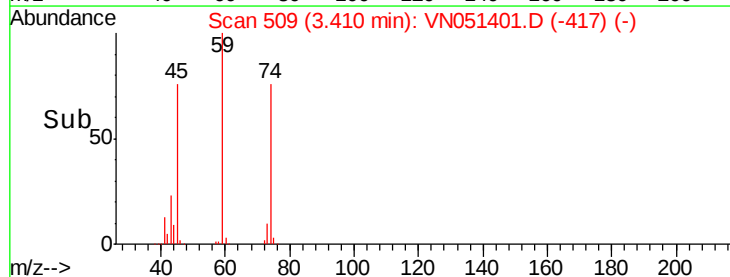
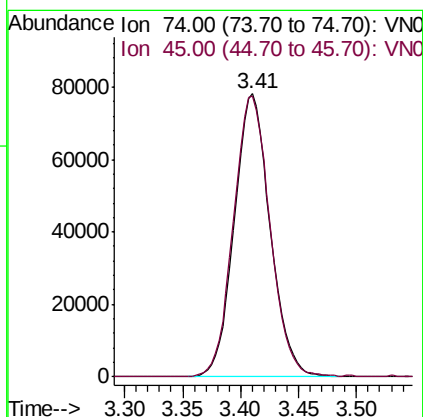
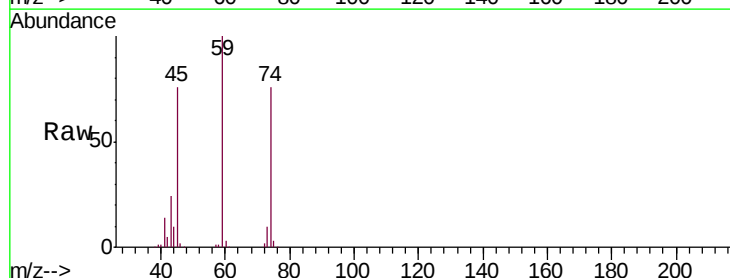
MMDadoda
 9/24/2018 2:15:25 PM

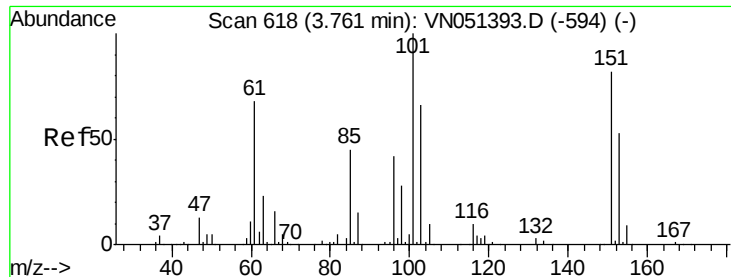


#8

Diethyl Ether
 Concen: 45.930 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	50.2	150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.530 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

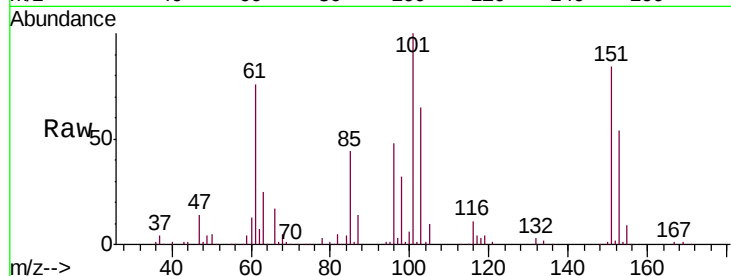
ClientSampleId :

VSTDCCC050

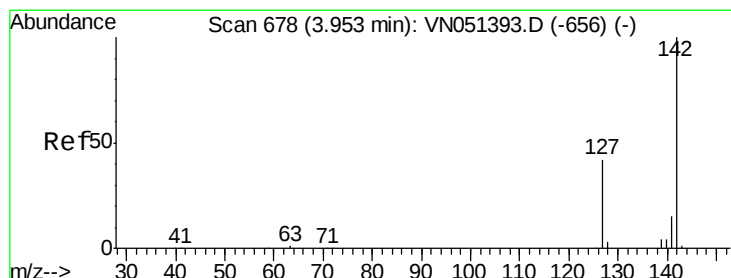
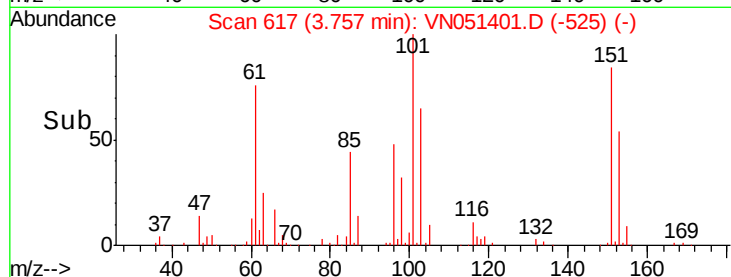
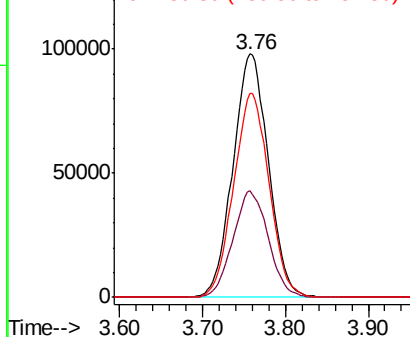
Tgt Ion:	101	Resp:	291311
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.9	50.9
151	83.8	65.2	97.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 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: 45.741 ug/l

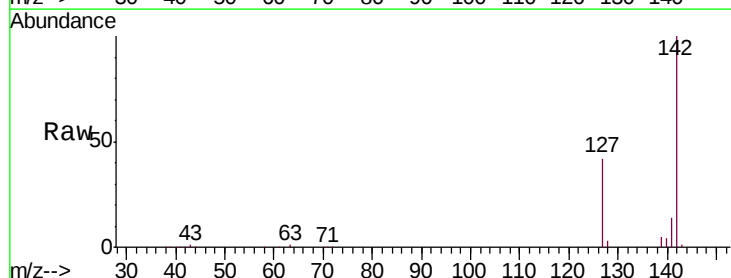
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

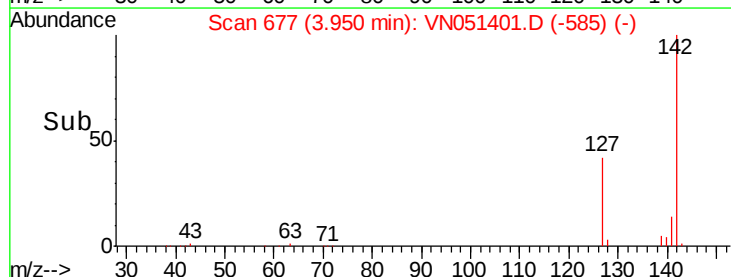
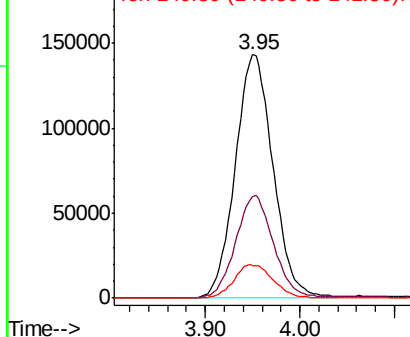
Lab File: VN051401.D

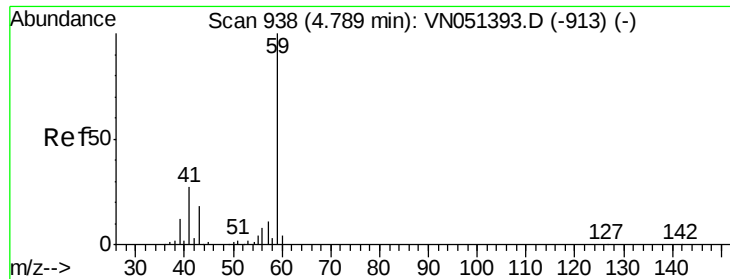
Acq: 23 Sep 2018 9:38

Tgt Ion:	142	Resp:	397302
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.2	49.8
141	14.3	11.5	17.3



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





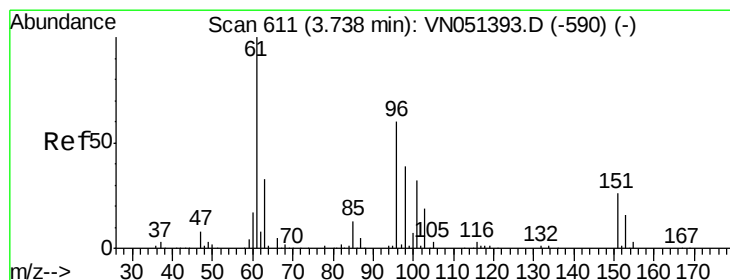
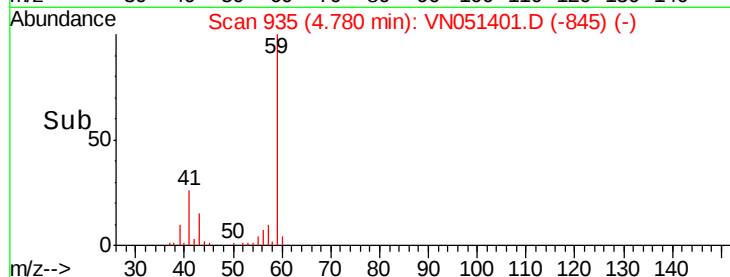
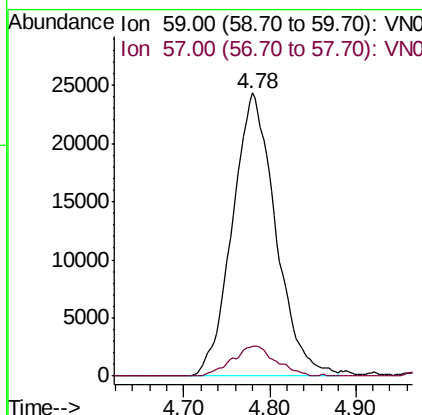
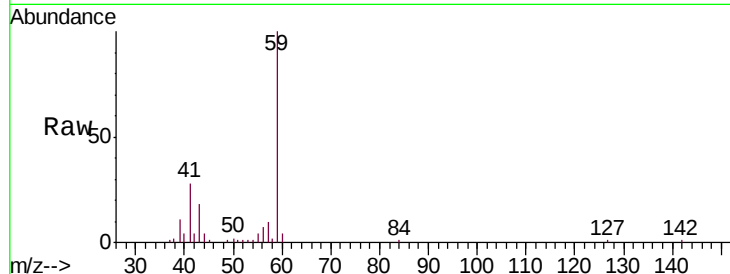
#11
Tert butyl alcohol
Concen: 223.275 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 85221
Ion Ratio Lower Upper
59 100
57 10.7 6.2 9.2#

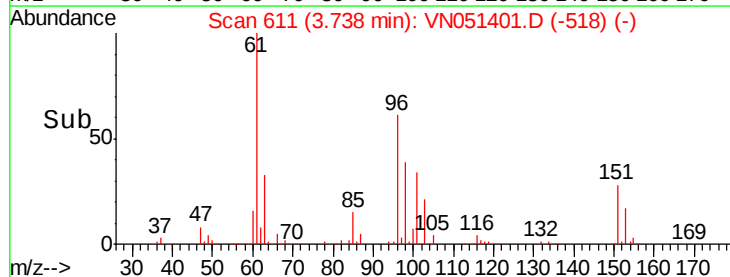
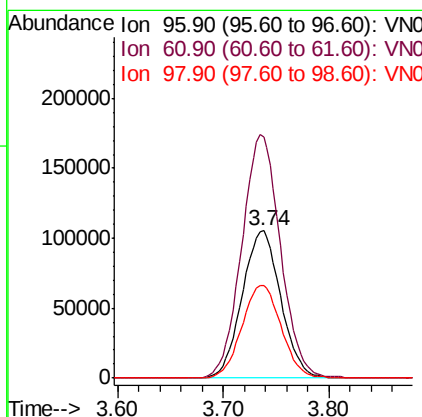
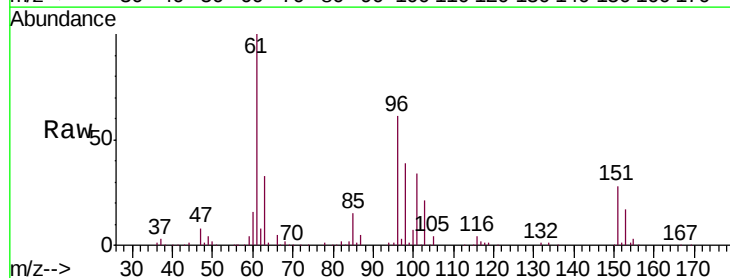
Manual Integrations
APPROVED

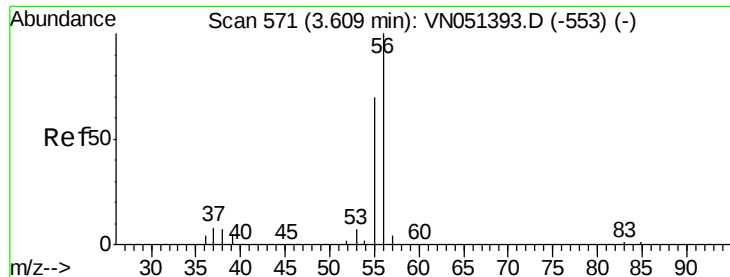
MMDadoda
9/24/2018 2:15:25 PM



#12
1,1-Dichloroethene
Concen: 44.770 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 96 Resp: 268923
Ion Ratio Lower Upper
96 100
61 163.8 133.6 200.4
98 63.2 52.2 78.2





#13

Acrolein

Concen: 181.948 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 68961

Ion Ratio Lower Upper

56 100

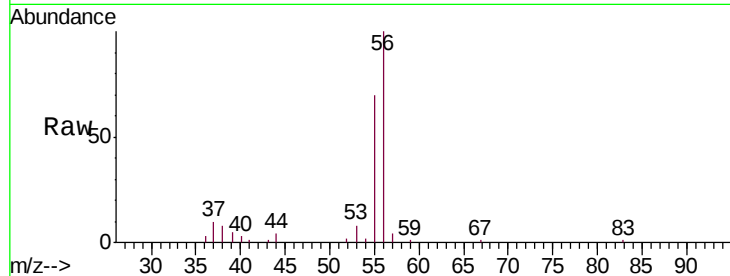
55 69.1 57.8 86.8

Manual Integrations

APPROVED

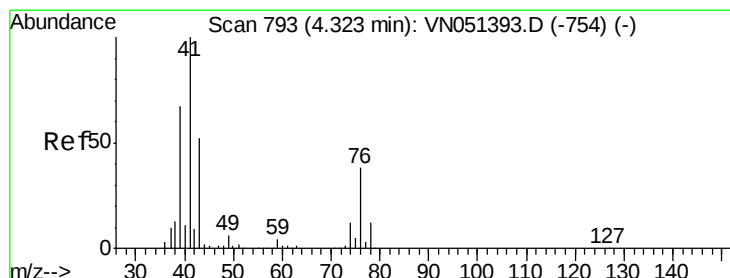
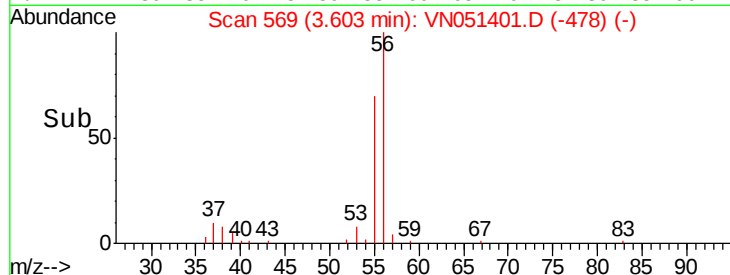
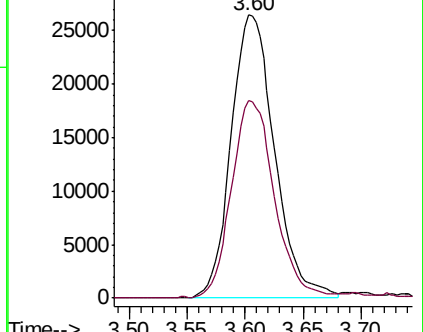
MMDadoda

9/24/2018 2:15:25 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051393.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN051393.D (-553) (-)



#14

Allyl chloride

Concen: 45.374 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

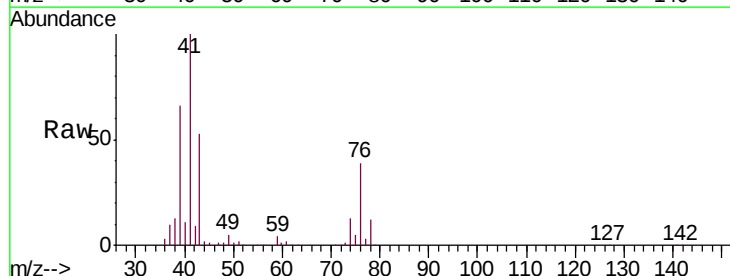
Tgt Ion: 41 Resp: 457280

Ion Ratio Lower Upper

41 100

39 62.8 51.4 77.2

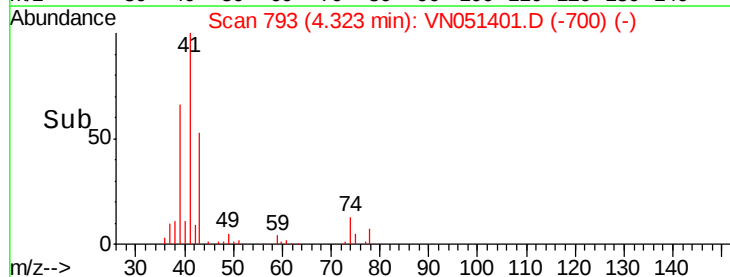
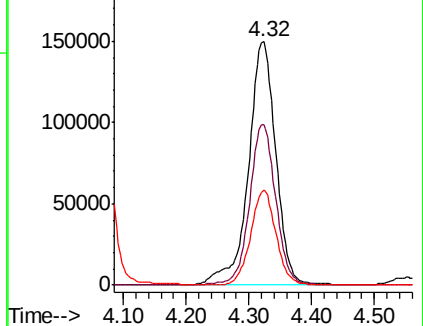
76 35.4 28.1 42.1

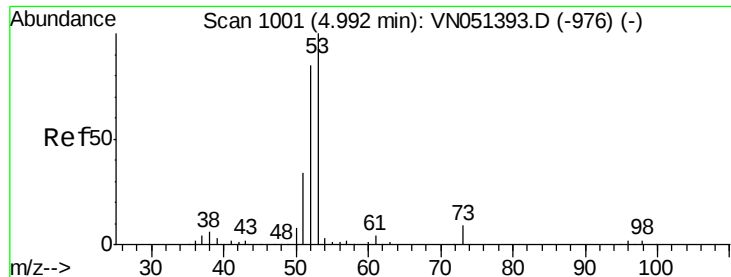


Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN051393.D (-754) (-)





#15

Acrylonitrile

Concen: 232.831 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

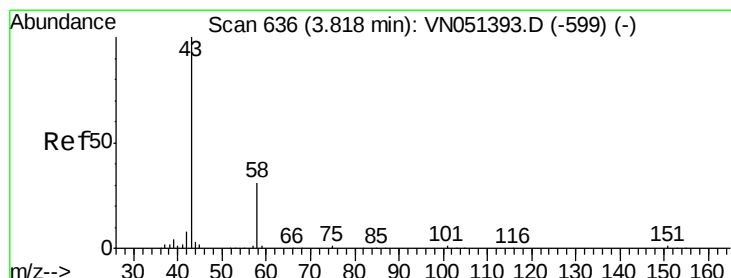
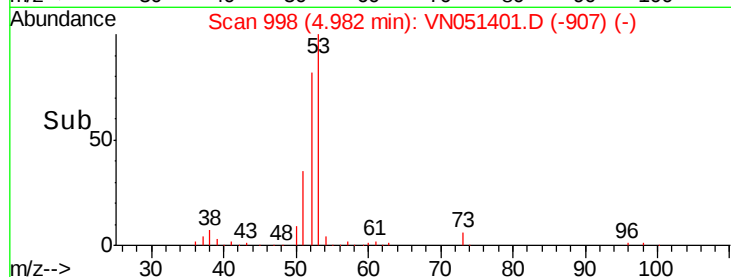
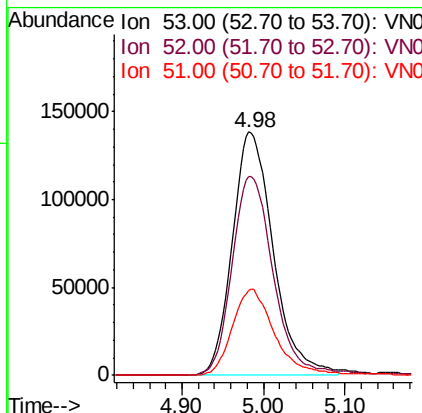
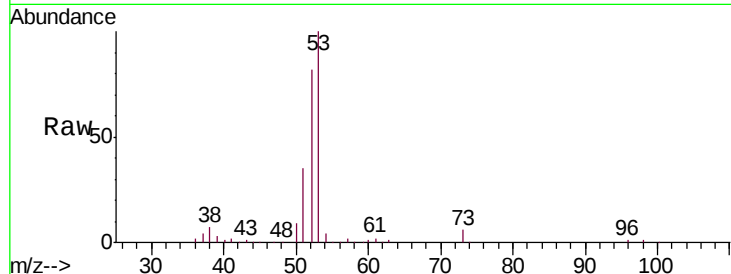
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	483429
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM



#16

Acetone

Concen: 217.721 ug/l

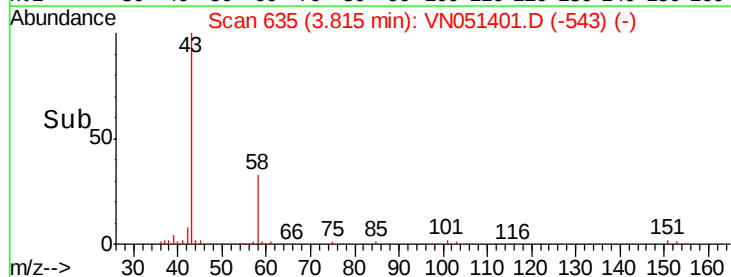
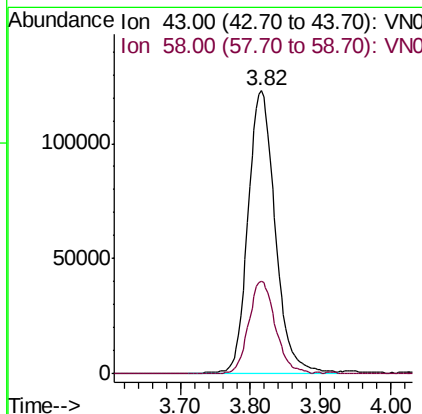
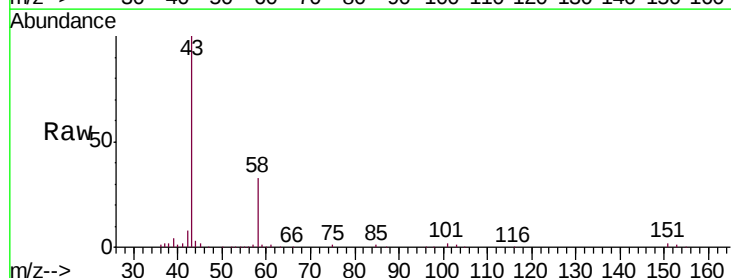
RT: 3.82 min Scan# 635

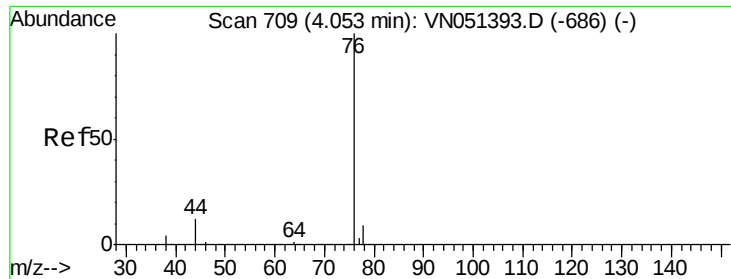
Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Tgt Ion:	43	Resp:	331884
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.0	37.4





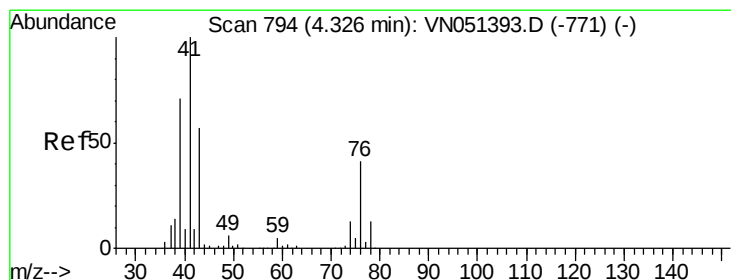
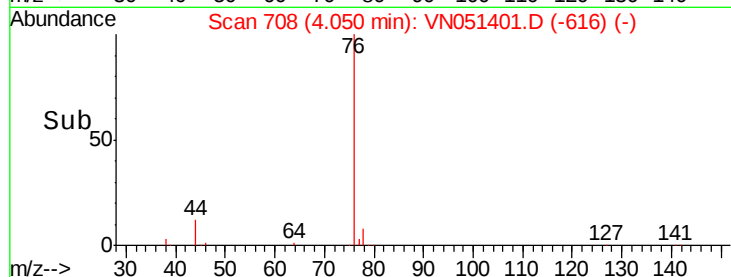
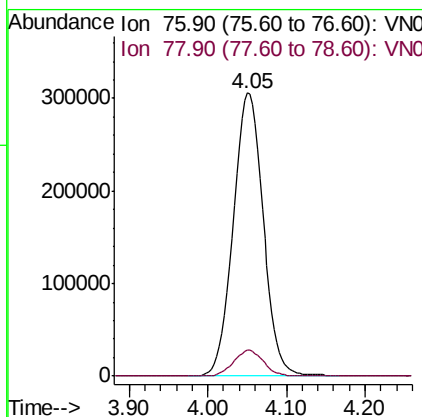
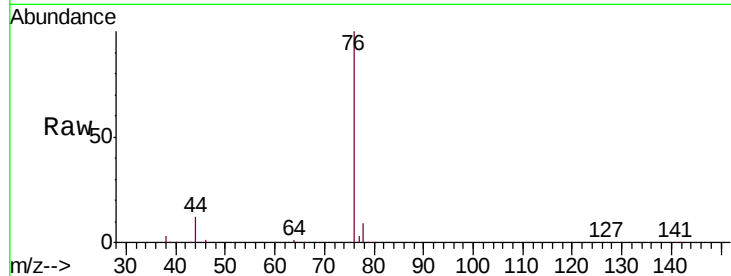
#17
Carbon Disulfide
Concen: 46.218 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 815630
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

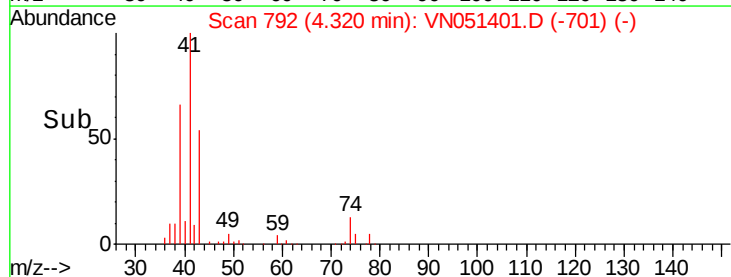
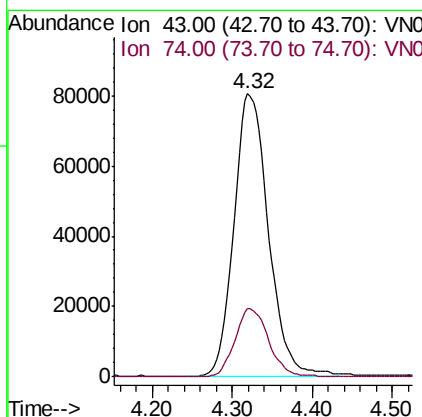
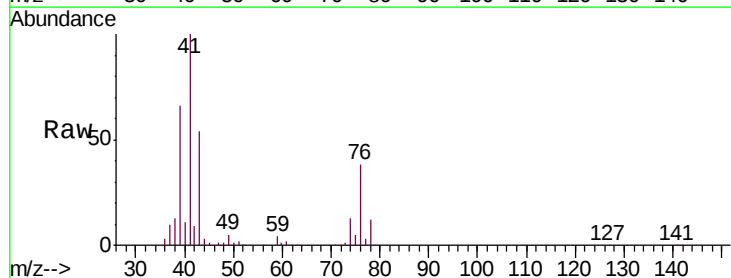
Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM



#18
Methyl Acetate
Concen: 45.464 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 43 Resp: 234172
Ion Ratio Lower Upper
43 100
74 23.5 18.8 28.2





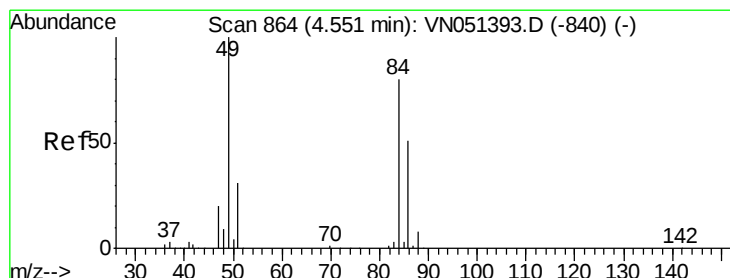
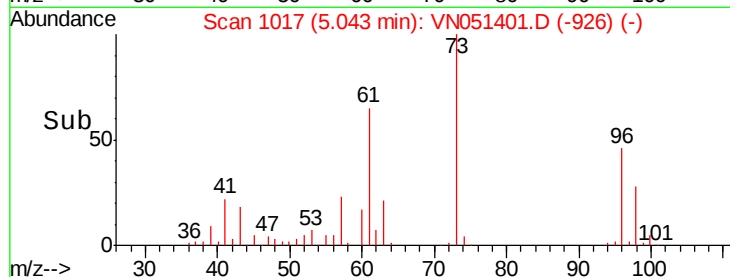
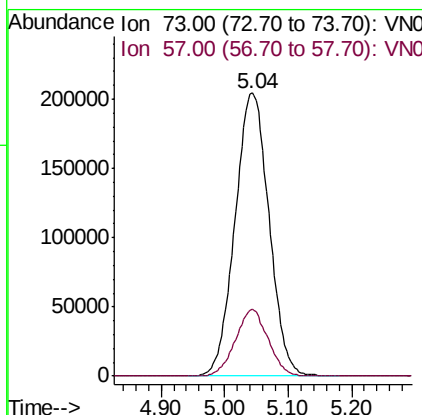
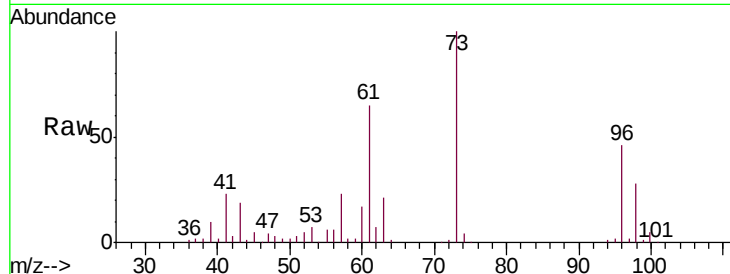
#19
Methyl tert-butyl Ether
Concen: 49.124 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 760908
Ion Ratio Lower Upper
73 100
57 23.5 18.3 27.5

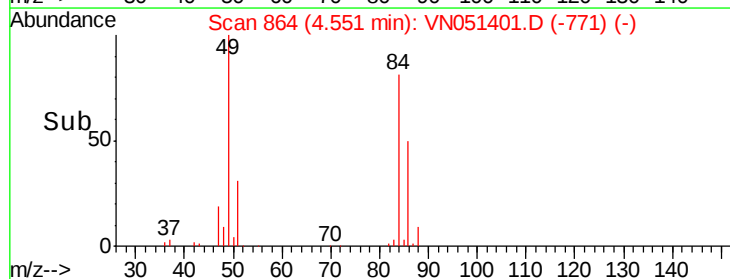
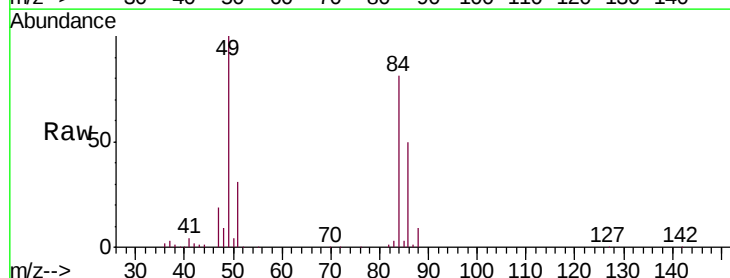
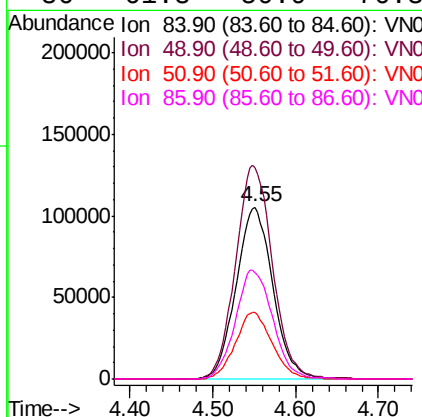
Manual Integrations
APPROVED

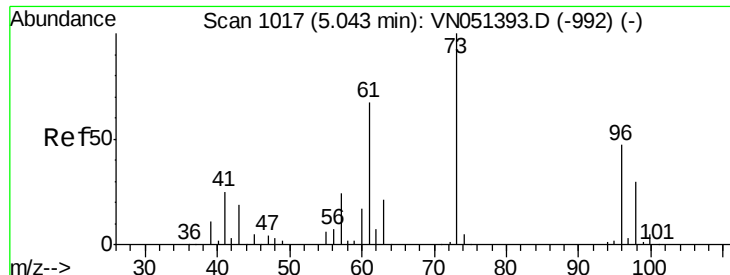
MMDadoda
9/24/2018 2:15:25 PM



#20
Methylene Chloride
Concen: 48.431 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 84 Resp: 324112
Ion Ratio Lower Upper
84 100
49 123.0 99.9 149.9
51 38.7 31.4 47.2
86 61.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.365 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

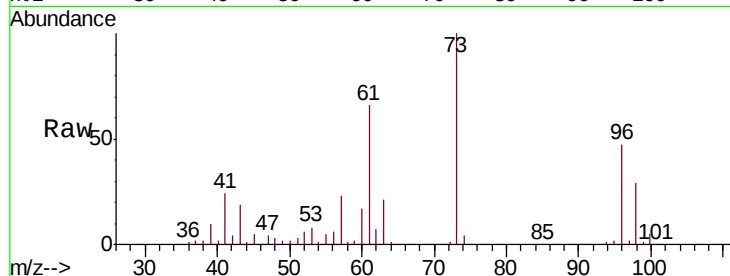
ClientSampleId :

VSTDCCC050

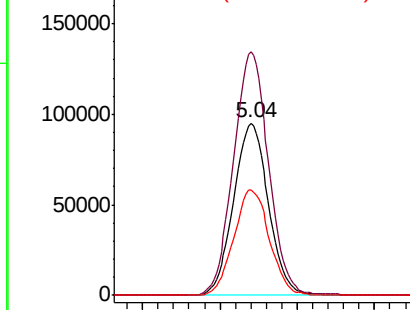
Tgt Ion:	96	Resp:	297194
Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.4	170.2
98	61.4	51.1	76.7

Manual Integrations
APPROVED

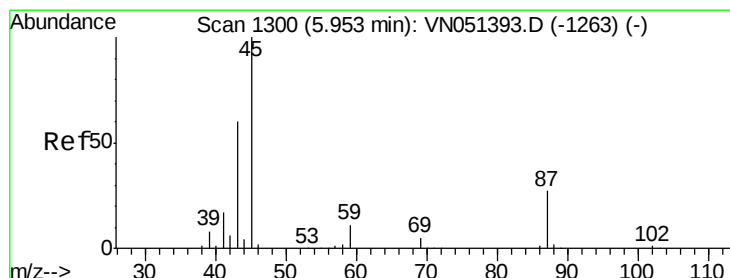
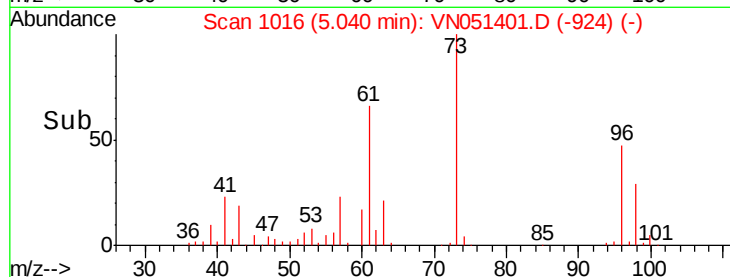
MMDadoda
9/24/2018 2:15:25 PM



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



Time-->



#22

Diisopropyl ether

Concen: 52.260 ug/l

RT: 5.95 min Scan# 1298

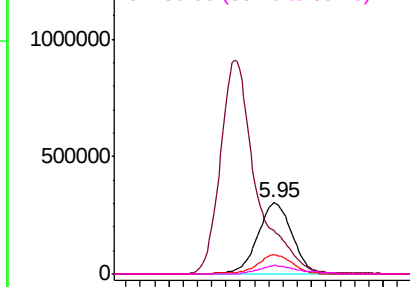
Delta R.T. -0.01 min

Lab File: VN051401.D

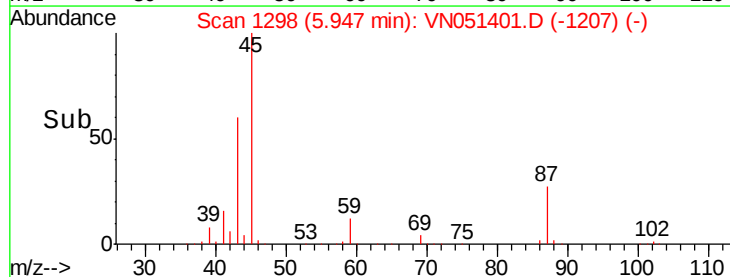
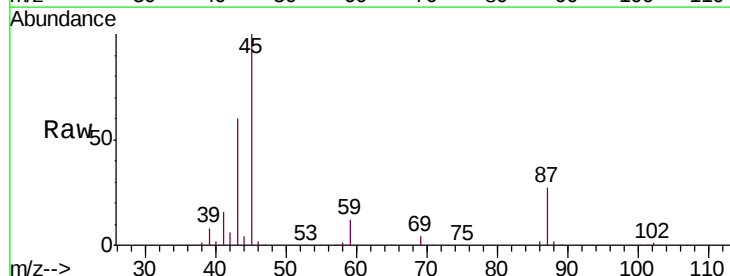
Acq: 23 Sep 2018 9:38

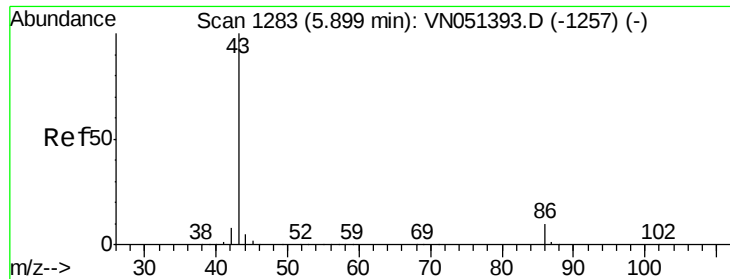
Tgt Ion:	45	Resp:	1018060
Ion	Ratio	Lower	Upper
45	100		
43	59.8	47.7	71.5
87	27.0	22.0	33.0
59	11.7	9.3	13.9

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC



Time-->





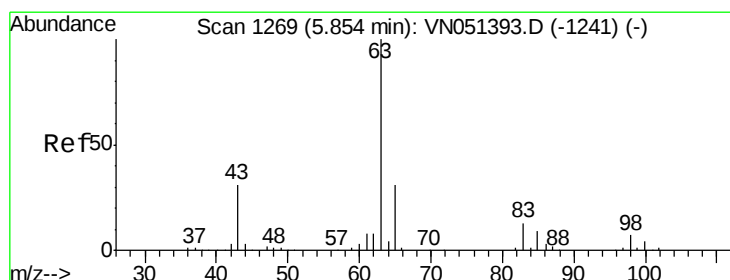
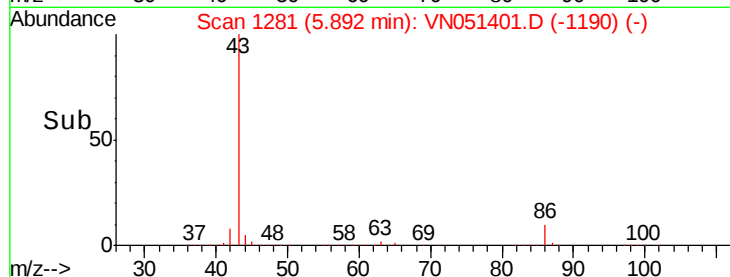
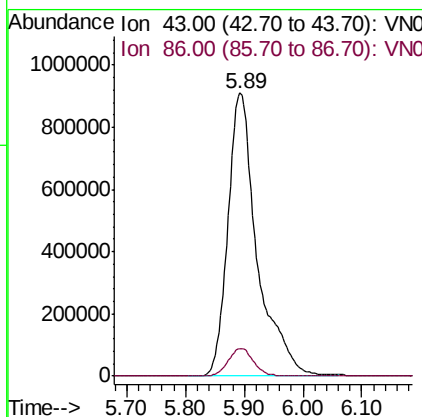
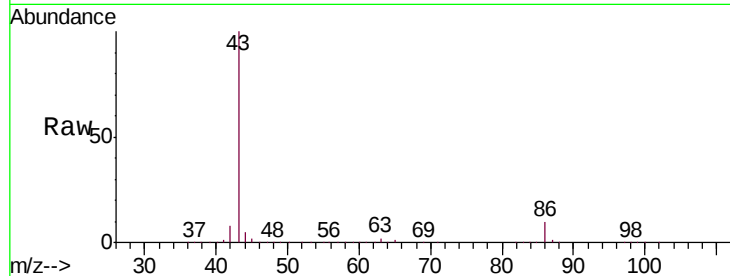
#23
 Vinyl Acetate
 Concen: 247.852 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 3169898
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.2 12.2

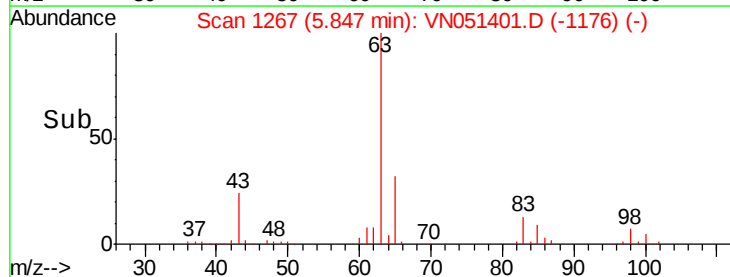
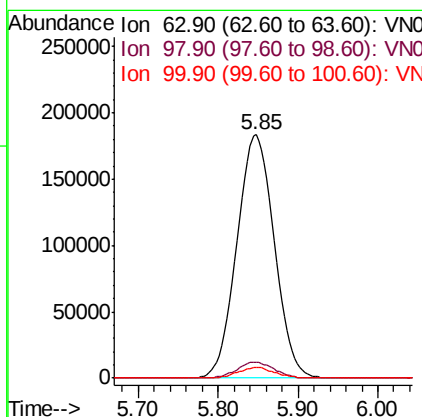
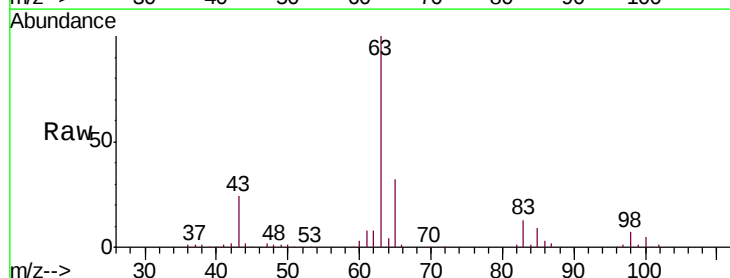
Manual Integrations
 APPROVED

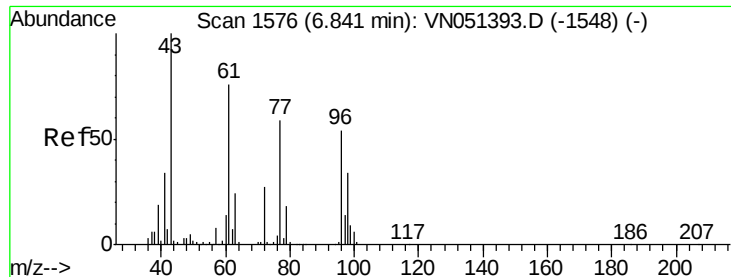
MMDadoda
 9/24/2018 2:15:25 PM



#24
 1,1-Dichloroethane
 Concen: 50.107 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 63 Resp: 582411
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 4.5 2.2 6.6





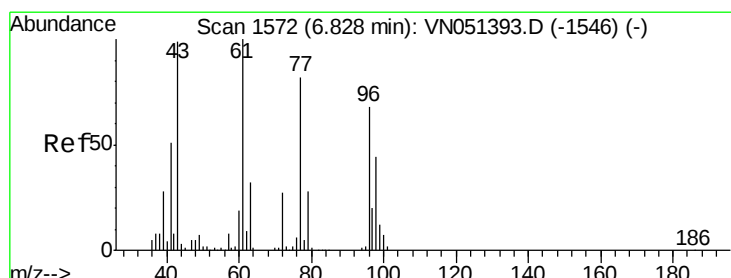
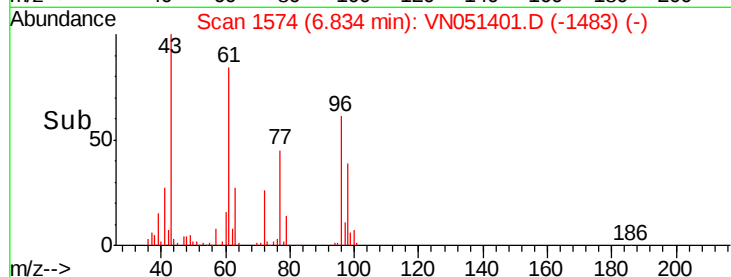
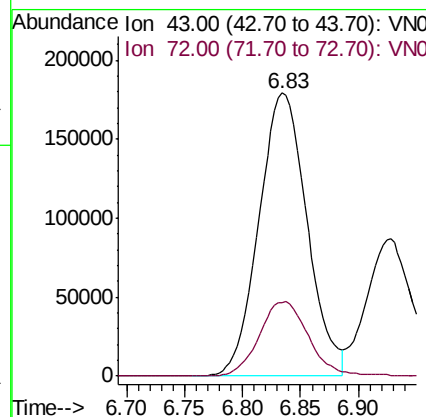
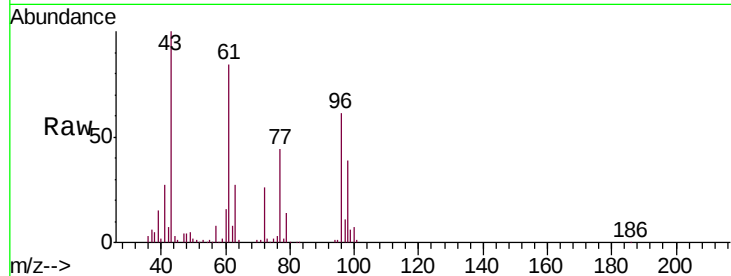
#25
 2-Butanone
 Concen: 223.024 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 516255
 Ion Ratio Lower Upper
 43 100
 72 26.2 21.8 32.6

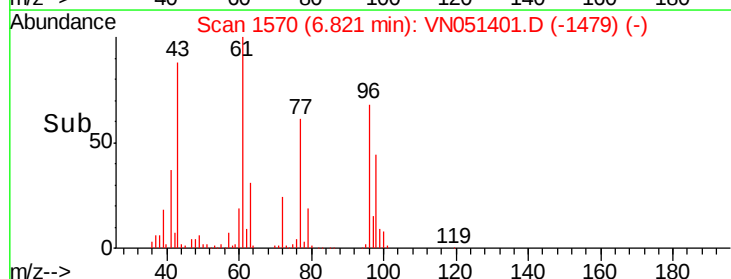
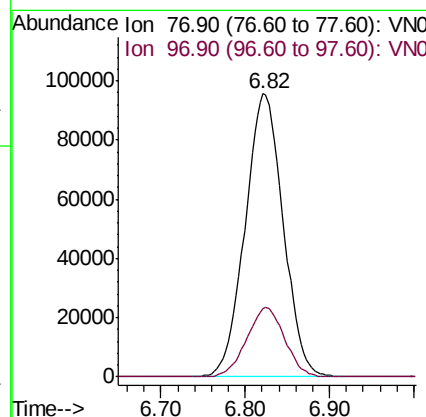
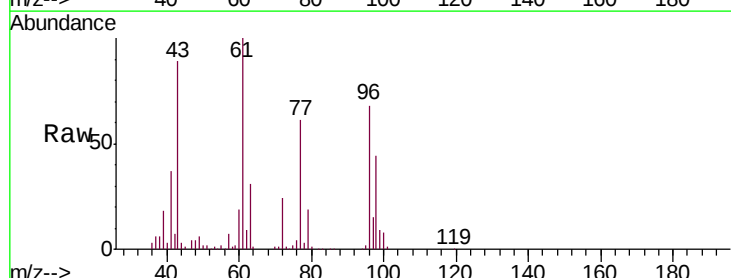
Manual Integrations
 APPROVED

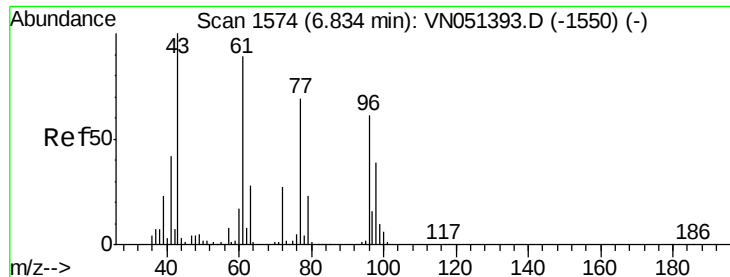
MMDadoda
 9/24/2018 2:15:25 PM



#26
 2,2-Dichloropropane
 Concen: 33.055 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 77 Resp: 299916
 Ion Ratio Lower Upper
 77 100
 97 24.3 11.9 35.5





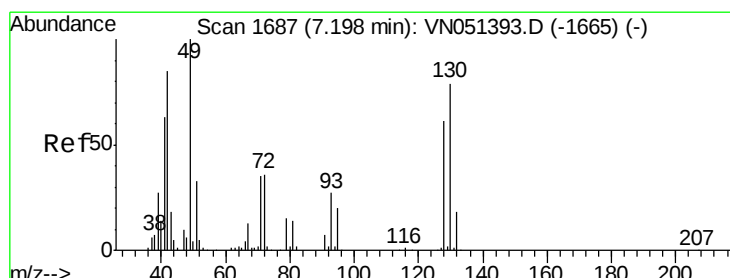
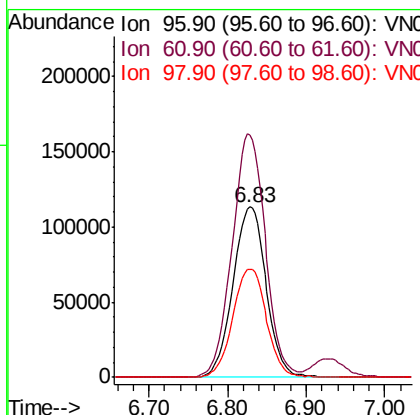
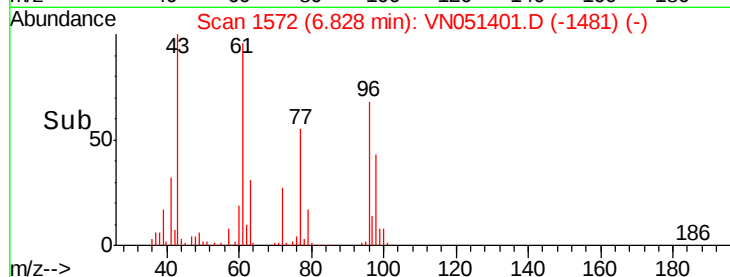
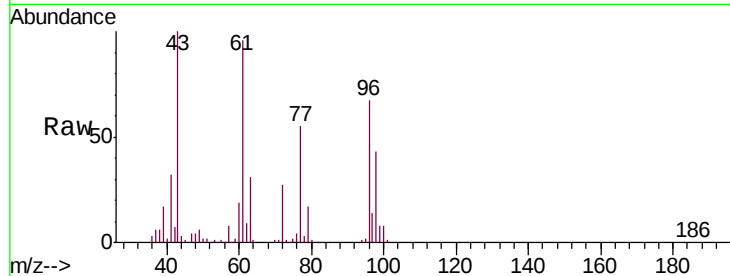
#27
 cis-1,2-Dichloroethene
 Concen: 49.611 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	334500		
61	142.6	0.0	291.4	
98	64.4	0.0	128.4	

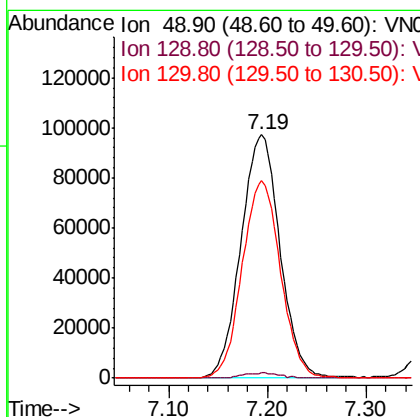
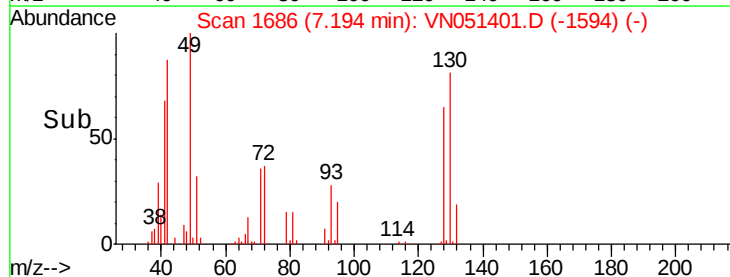
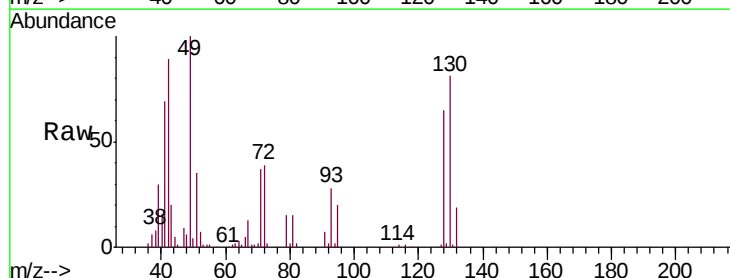
Manual Integrations
 APPROVED

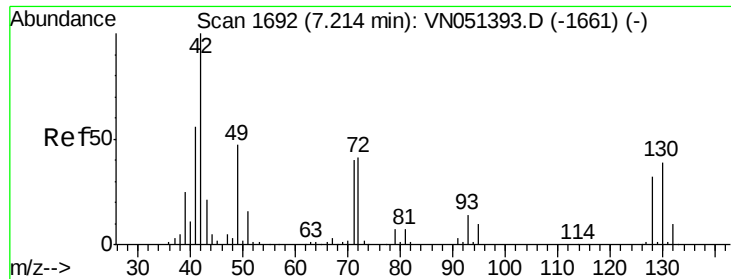
MMDadoda
 9/24/2018 2:15:25 PM



#28
 Bromochloromethane
 Concen: 49.635 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	266418		
129	2.0	0.0	3.8	
130	79.7	63.0	94.4	





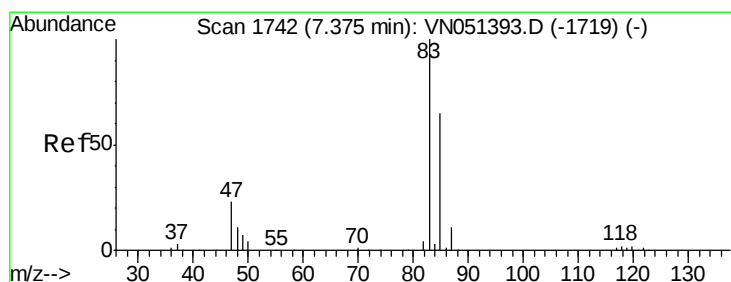
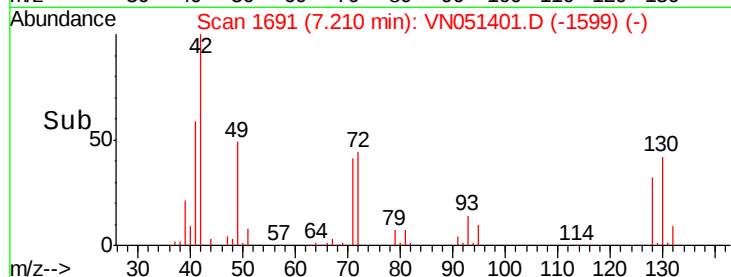
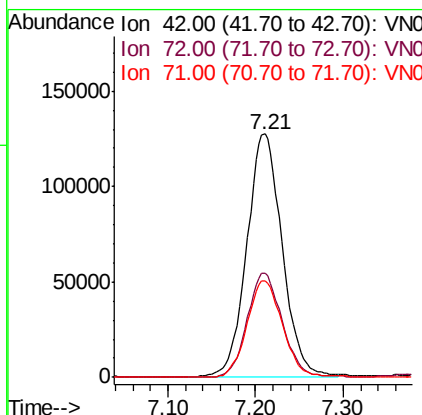
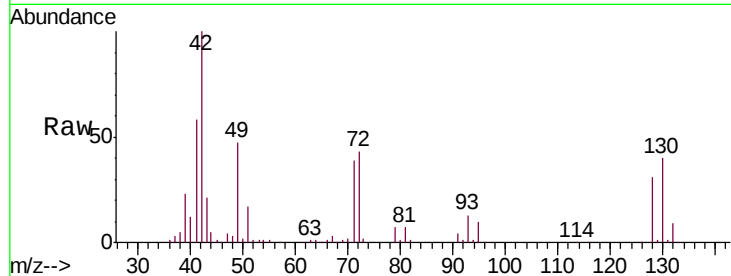
#29
Tetrahydrofuran
Concen: 243.409 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.3	51.5
71	39.7	32.2	48.4

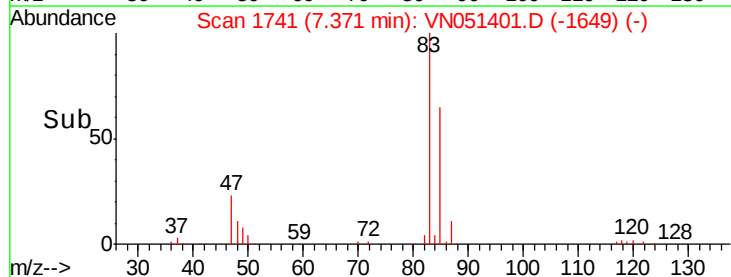
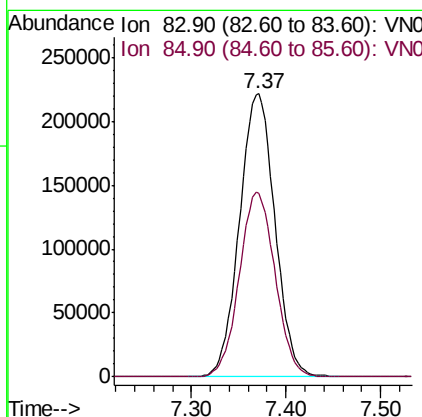
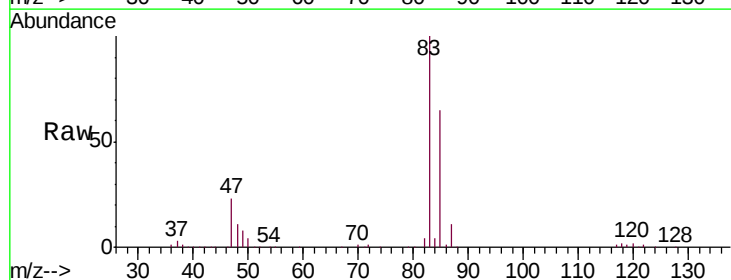
Manual Integrations
APPROVED

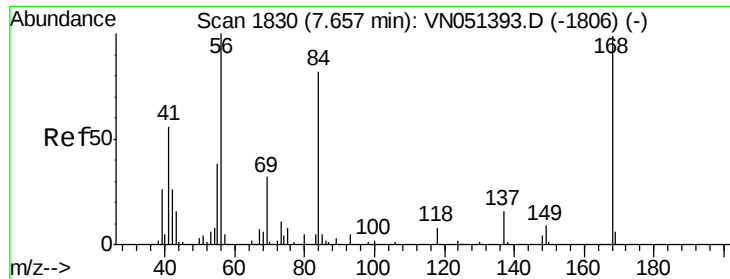
MMDadoda
9/24/2018 2:15:25 PM



#30
Chloroform
Concen: 50.109 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6





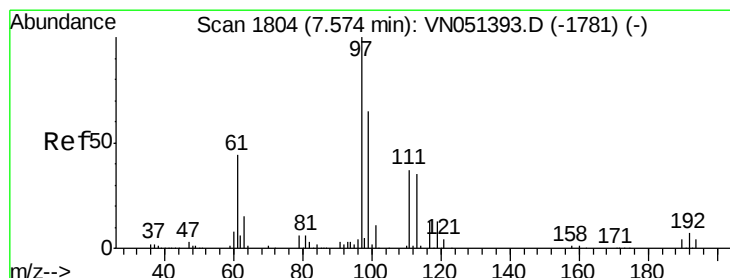
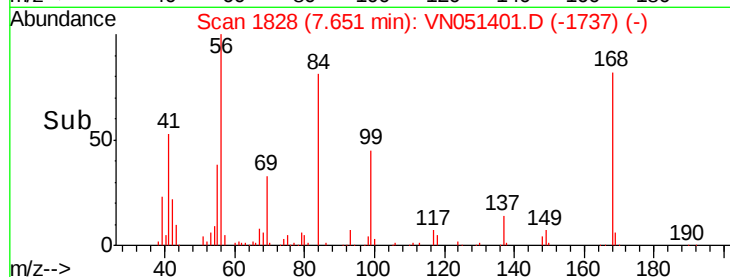
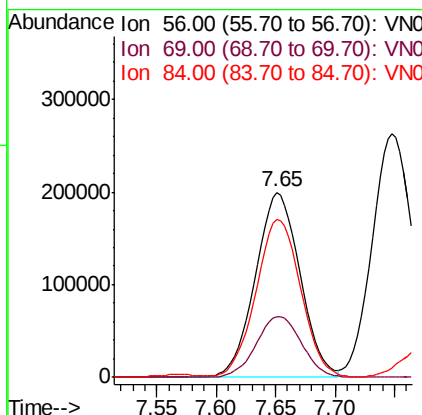
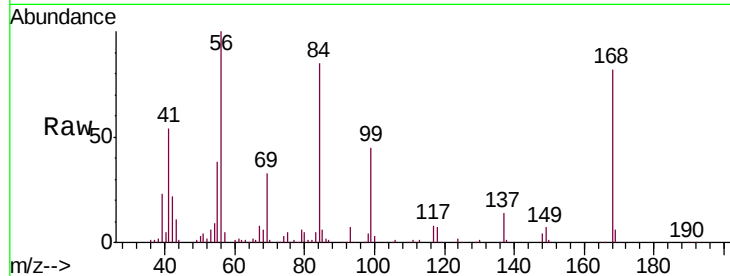
#31
Cyclohexane
Concen: 48.703 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.8	38.6
84	83.8	66.0	99.0

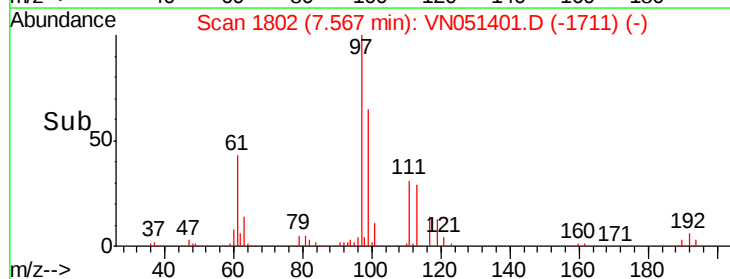
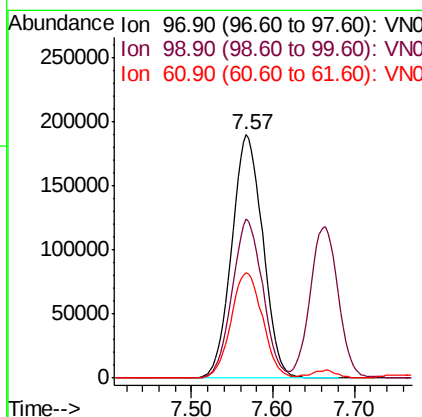
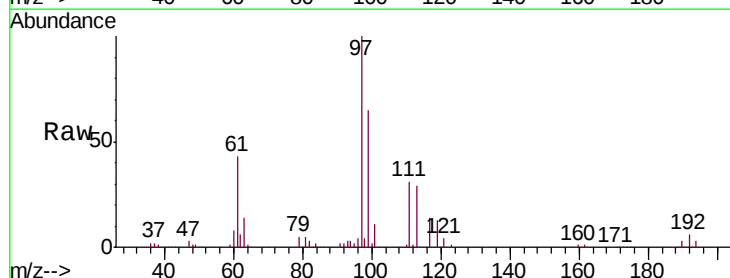
Manual Integrations
APPROVED

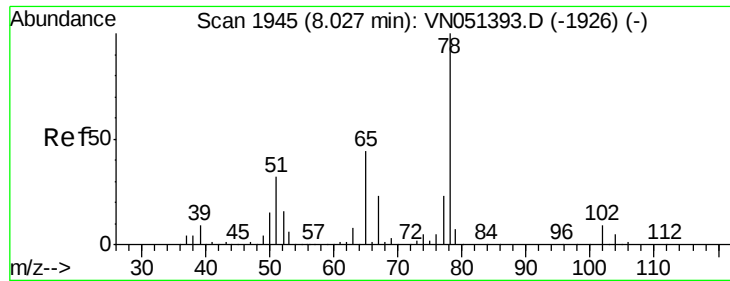
MMDadoda
9/24/2018 2:15:25 PM



#32
1,1,1-Trichloroethane
Concen: 51.031 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	44.0	35.8	53.8





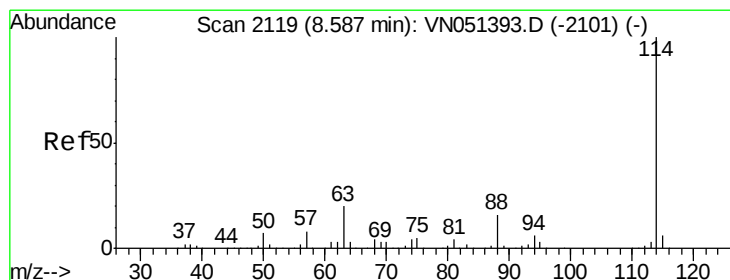
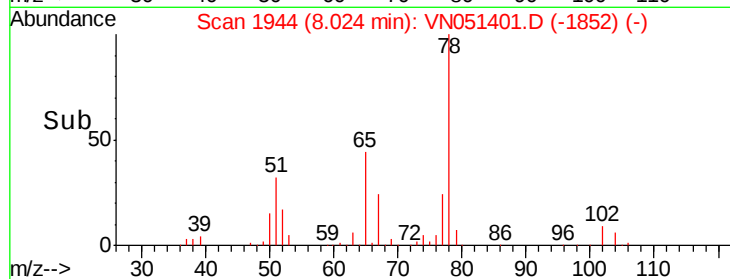
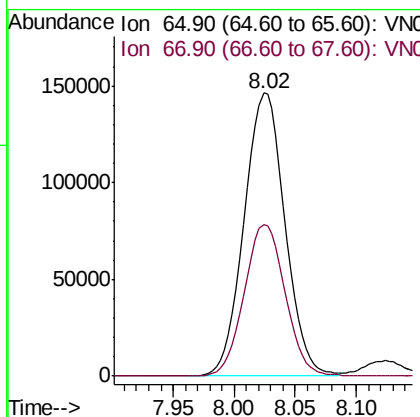
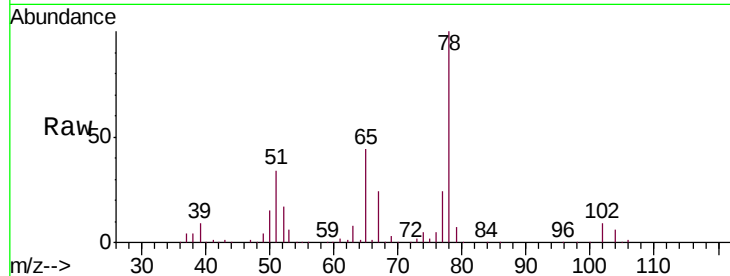
#33
 1,2-Dichloroethane-d4
 Concen: 50.173 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	339316		
67	53.8	0.0	107.8	

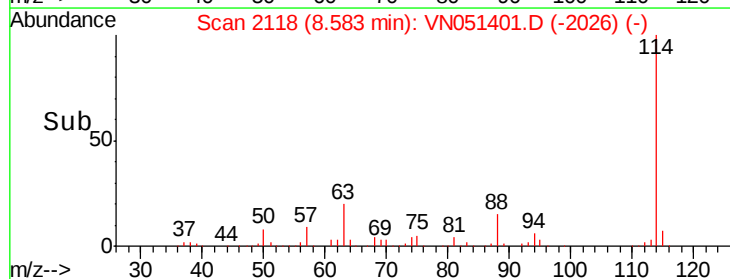
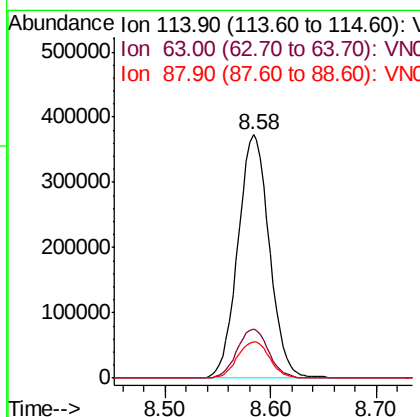
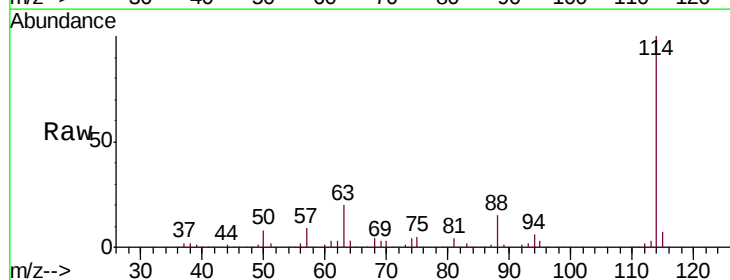
Manual Integrations
 APPROVED

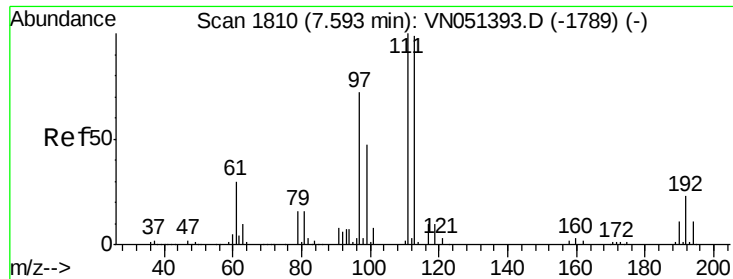
MMDadoda
 9/24/2018 2:15:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	771886		
63	20.0	0.0	40.2	
88	15.1	0.0	31.4	





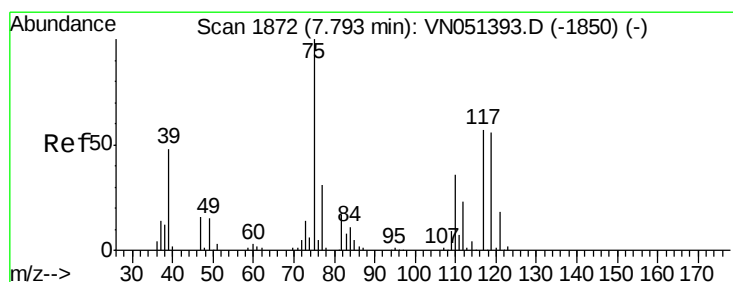
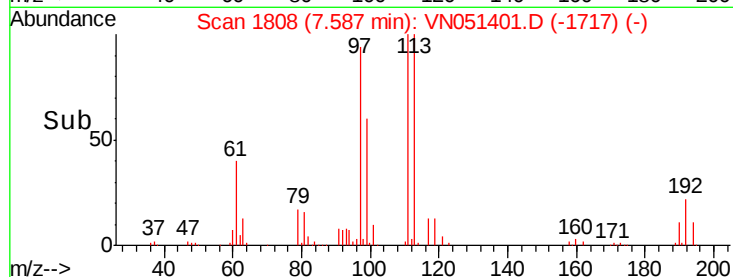
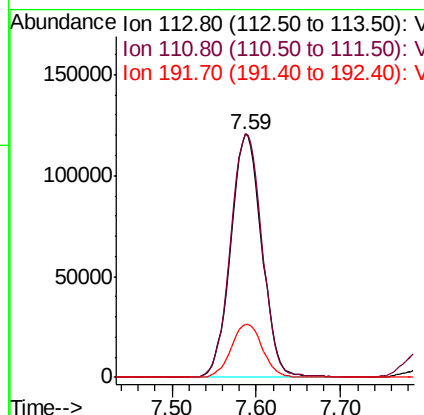
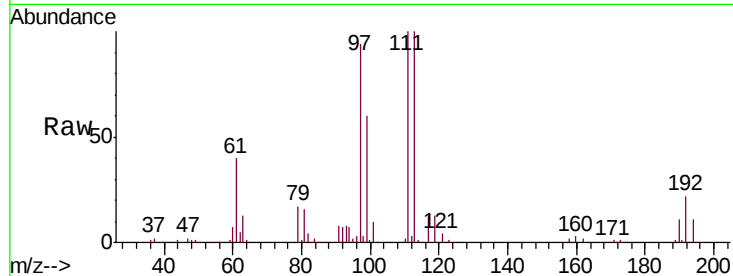
#35
 Dibromofluoromethane
 Concen: 49.999 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	308614		
111	102.1	82.6	123.8	
192	22.1	18.0	27.0	

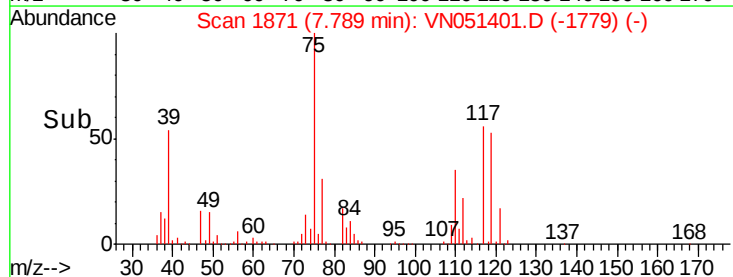
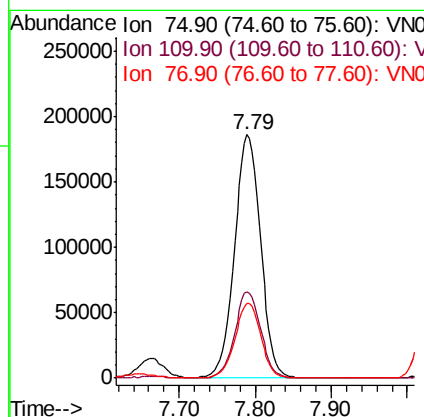
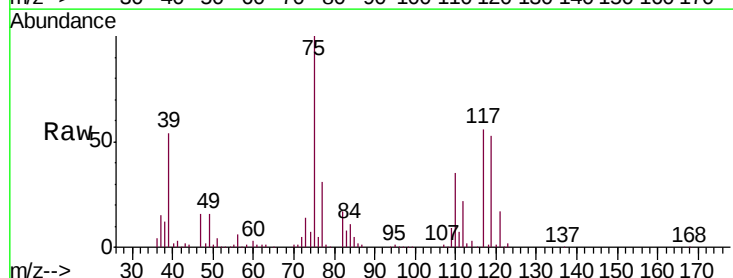
Manual Integrations
 APPROVED

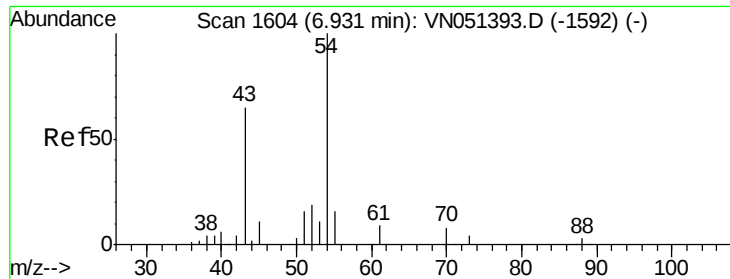
MMDadoda
 9/24/2018 2:15:25 PM



#36
 1,1-Dichloropropene
 Concen: 49.556 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	442956		
110	35.2	18.1	54.3	
77	30.7	25.6	38.4	





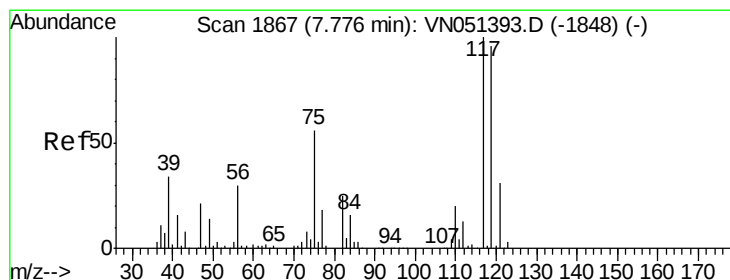
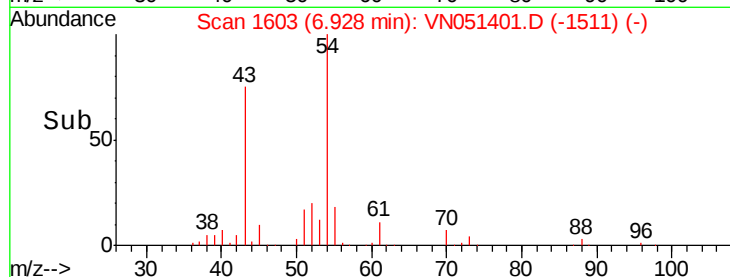
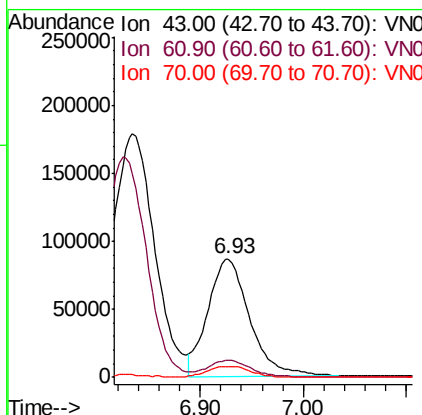
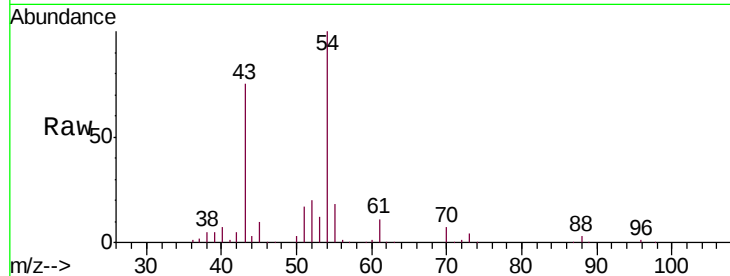
#37
Ethyl Acetate
Concen: 47.066 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.1	7.9	11.9

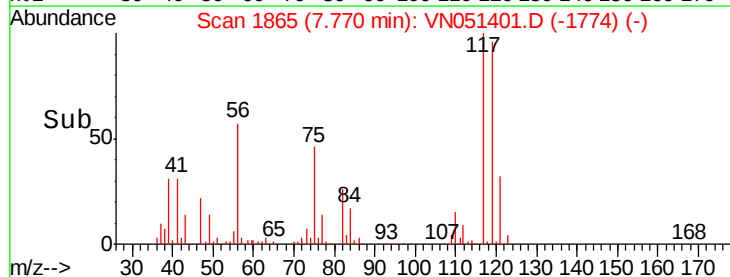
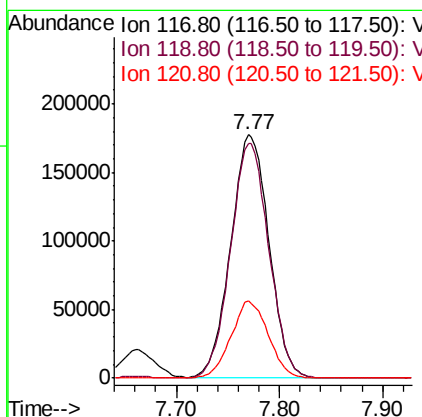
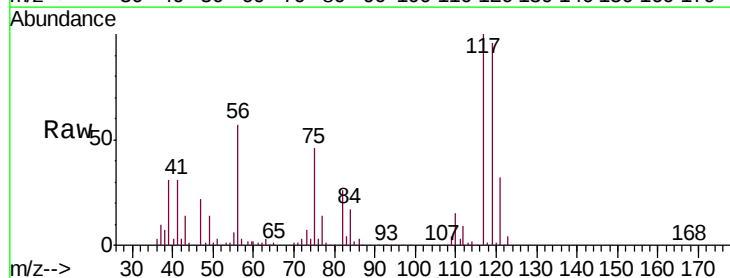
Manual Integrations
APPROVED

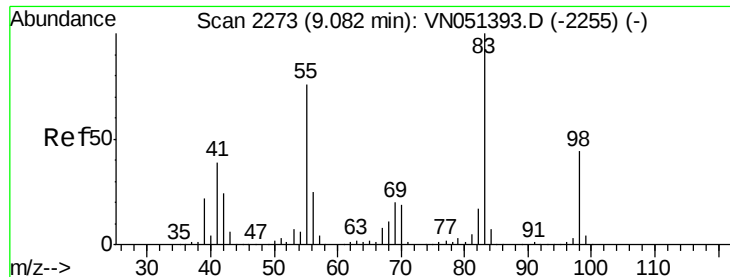
MMDadoda
9/24/2018 2:15:25 PM



#38
Carbon Tetrachloride
Concen: 49.076 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	31.5	24.6	37.0





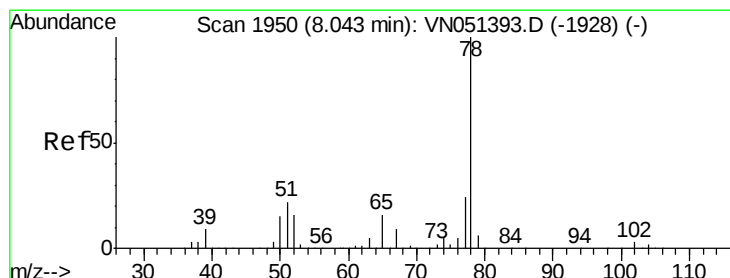
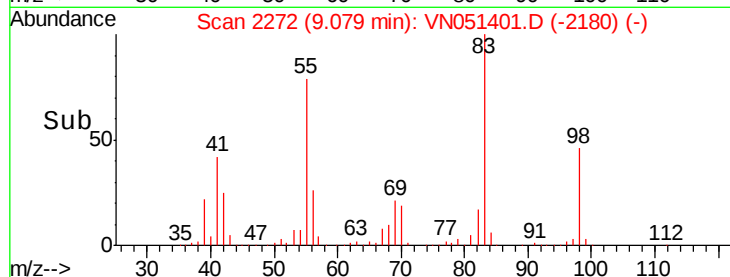
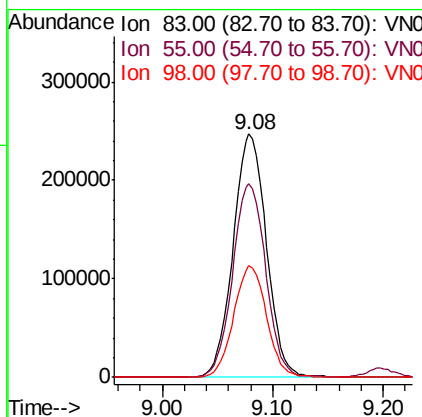
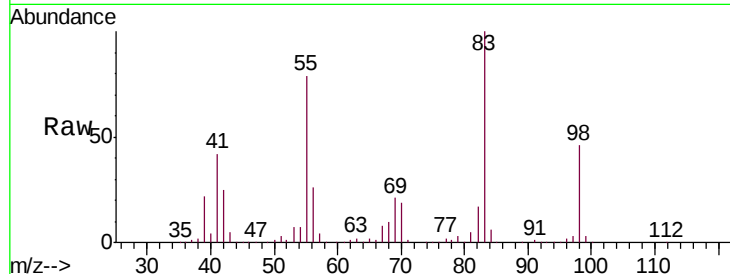
#39
Methylcyclohexane
Concen: 49.511 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.0	91.4
98	45.7	35.6	53.4

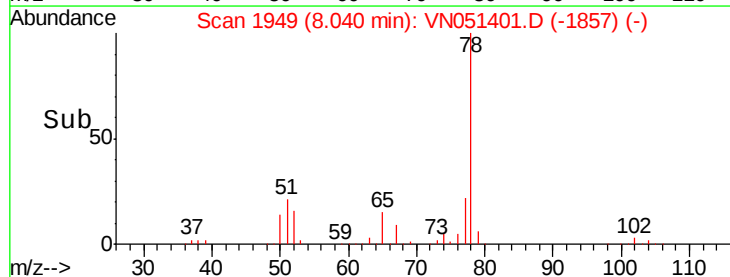
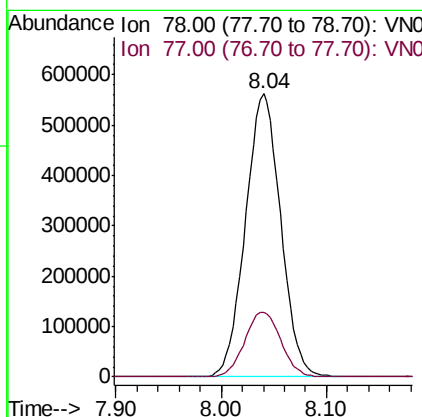
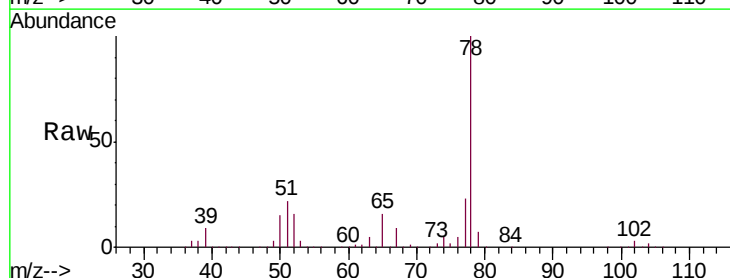
Manual Integrations
APPROVED

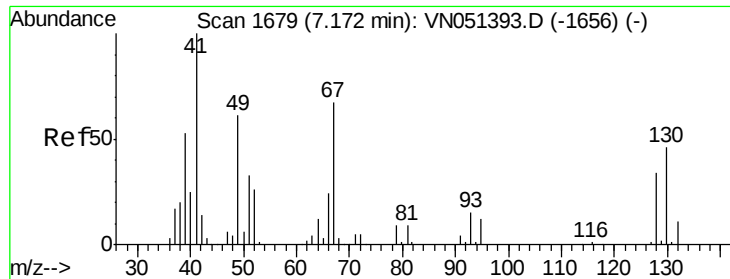
MMDadoda
9/24/2018 2:15:25 PM



#40
Benzene
Concen: 49.806 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8





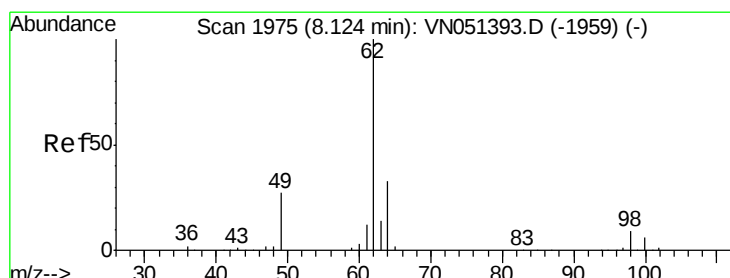
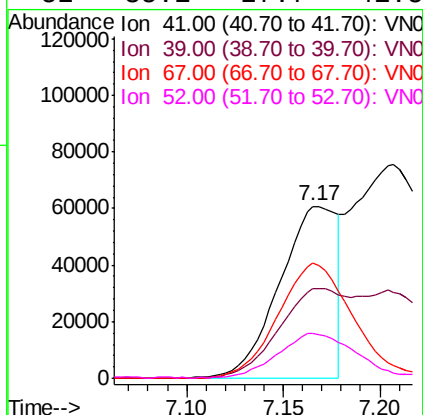
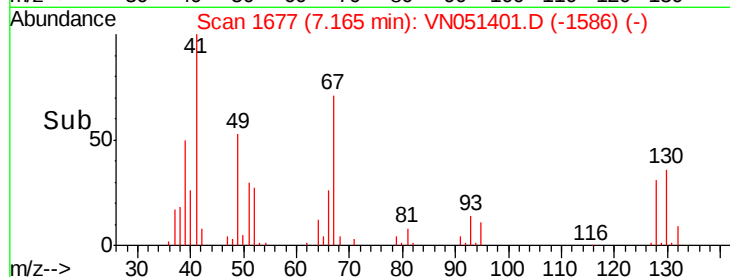
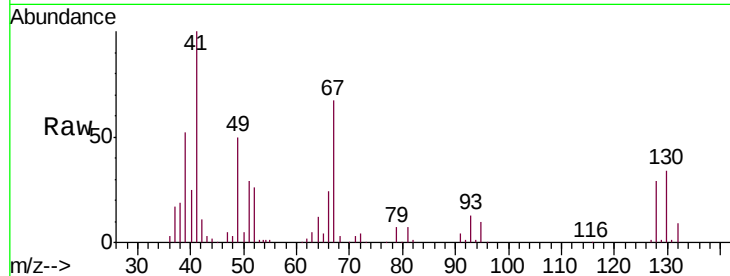
#41
Methacrylonitrile
Concen: 44.168 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.7	51.4	77.2
67	88.4	66.8	100.2
52	35.1	27.7	41.5

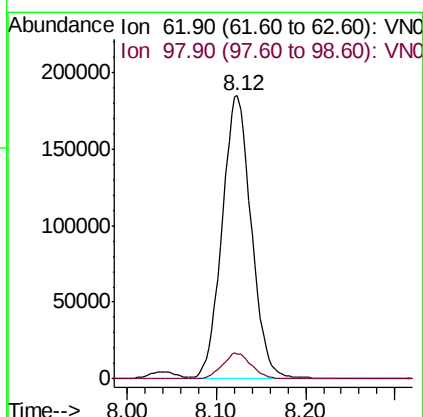
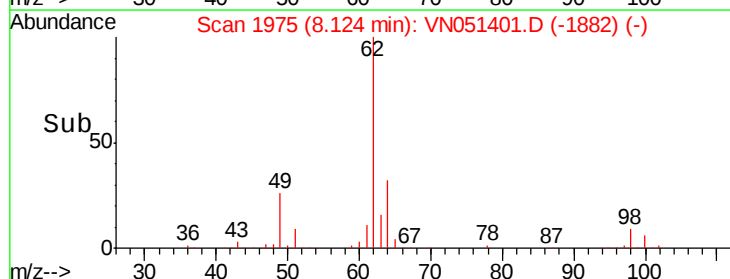
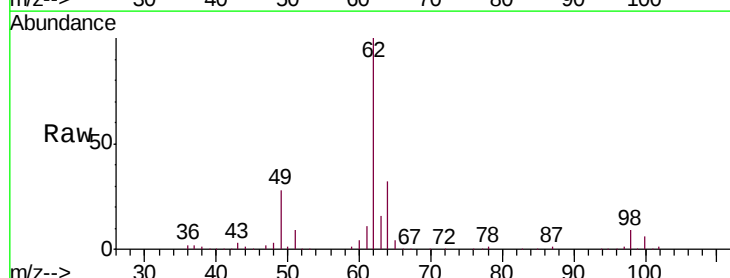
Manual Integrations
APPROVED

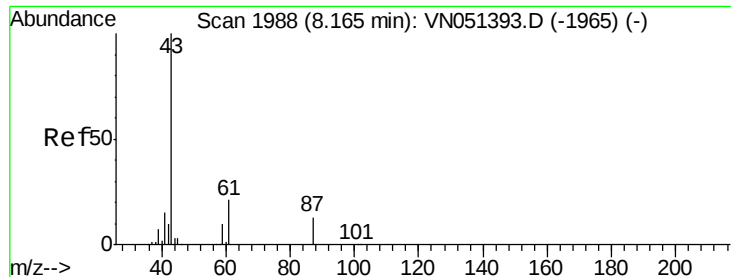
MMDadoda
9/24/2018 2:15:25 PM



#42
1,2-Dichloroethane
Concen: 49.594 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





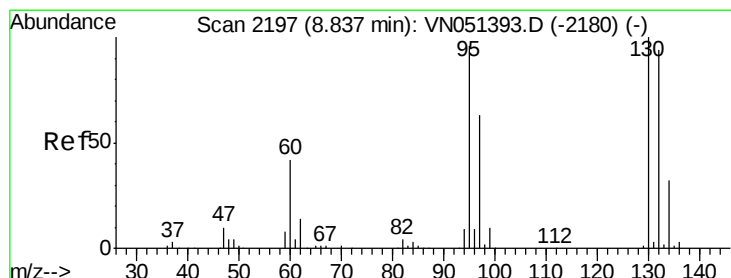
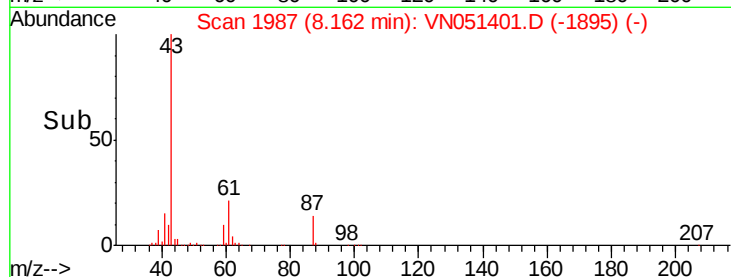
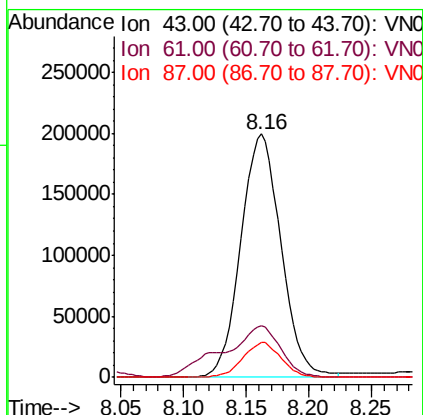
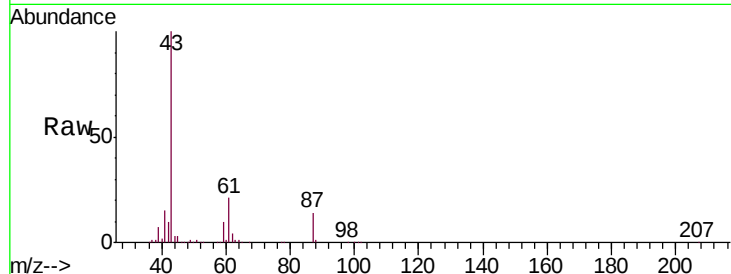
#43
Isopropyl Acetate
Concen: 47.589 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.8	25.2
87	13.8	10.7	16.1

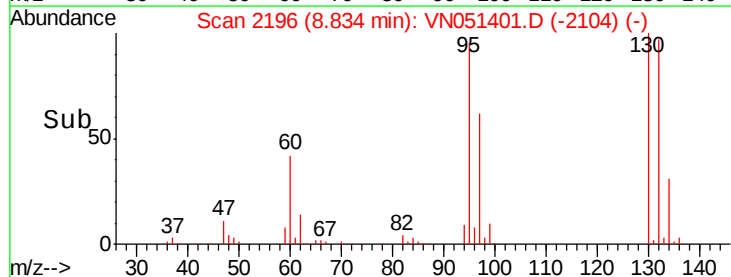
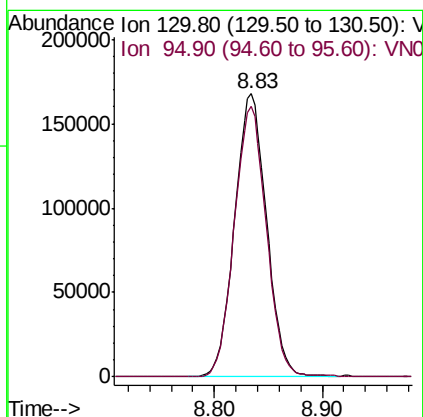
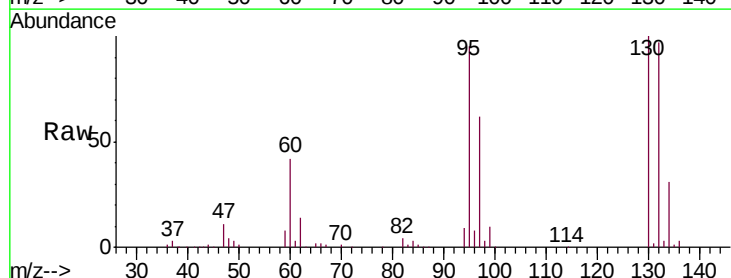
Manual Integrations
APPROVED

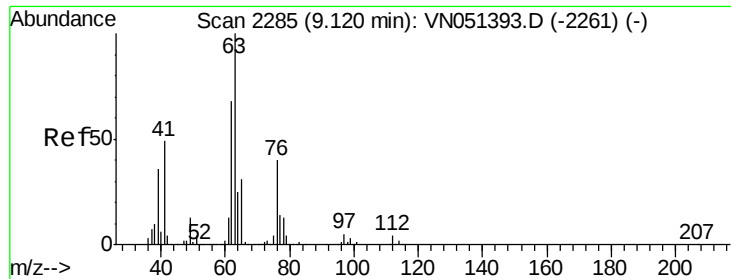
MMDadoda
9/24/2018 2:15:25 PM



#44
Trichloroethene
Concen: 49.378 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	192.2





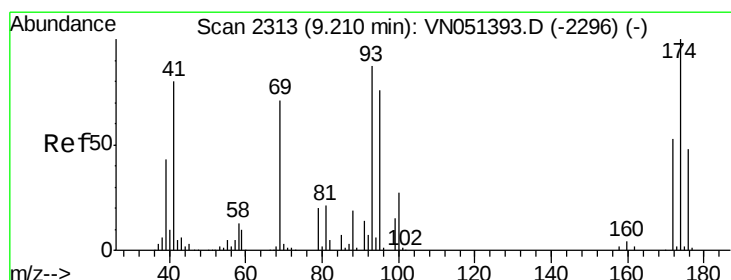
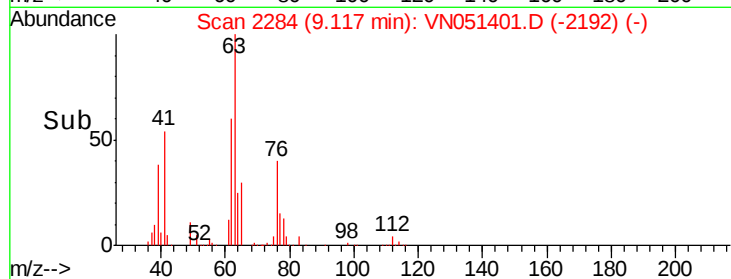
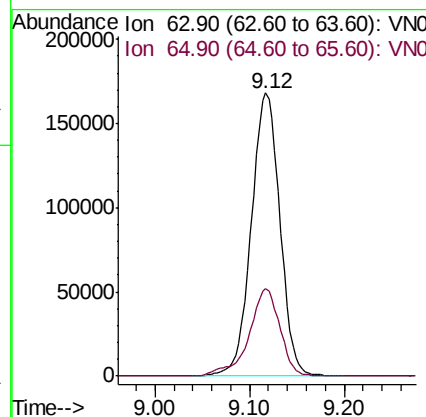
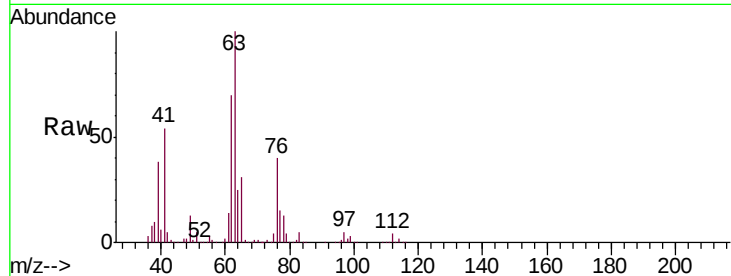
#45
 1,2-Dichloropropane
 Concen: 49.498 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 353135
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.9 37.3

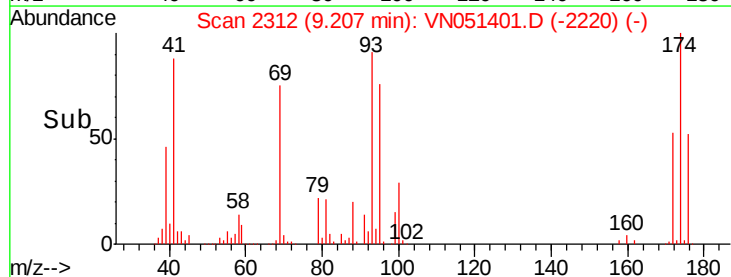
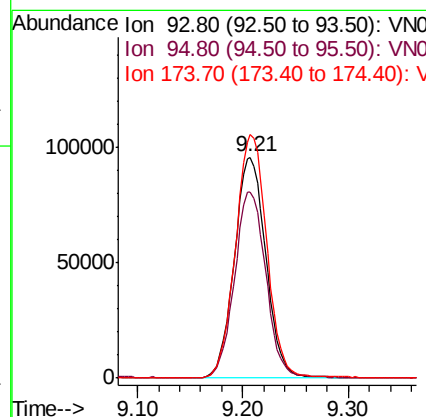
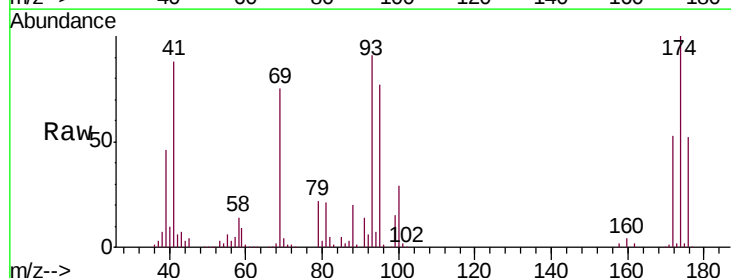
Manual Integrations
 APPROVED

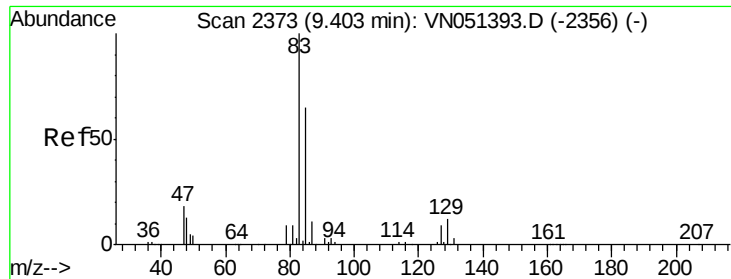
MMDadoda
 9/24/2018 2:15:25 PM



#46
 Dibromomethane
 Concen: 49.097 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 93 Resp: 197916
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.6 101.4
 174 109.7 89.6 134.4





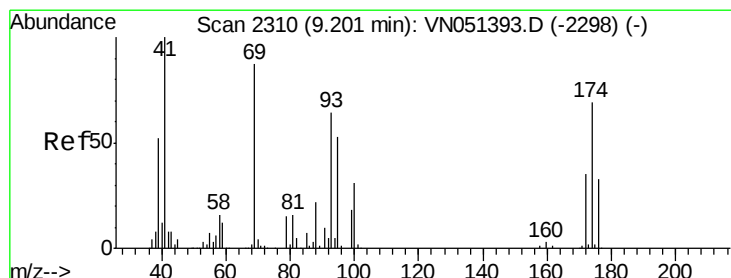
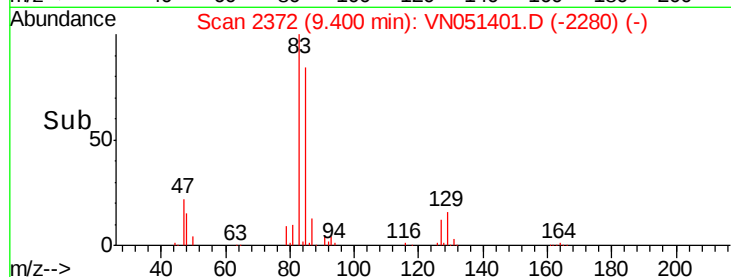
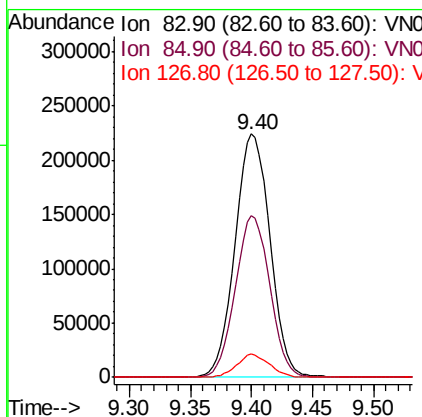
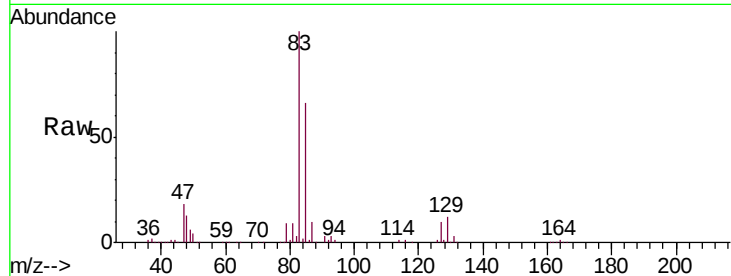
#47
Bromodichloromethane
Concen: 49.912 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6
127	9.5	7.4	11.2

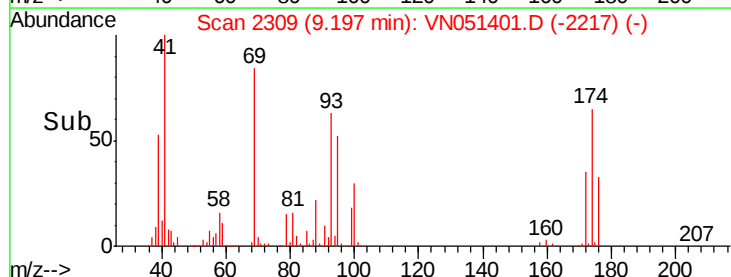
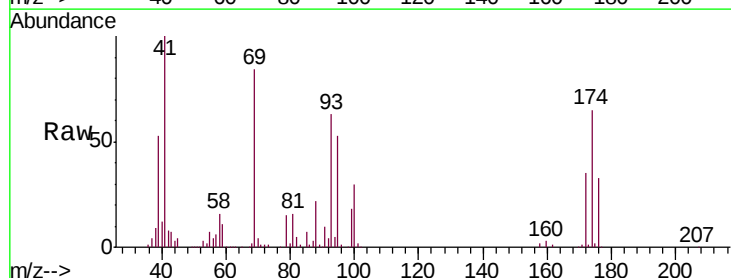
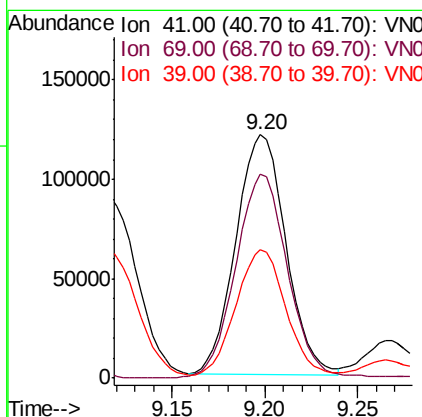
Manual Integrations
APPROVED

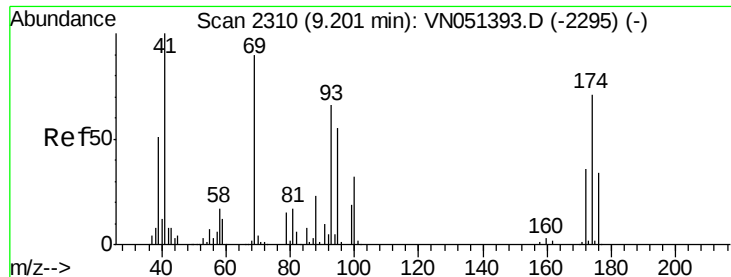
MMDadoda
9/24/2018 2:15:25 PM



#48
Methyl methacrylate
Concen: 48.950 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.8	70.4	105.6
39	54.1	43.8	65.8





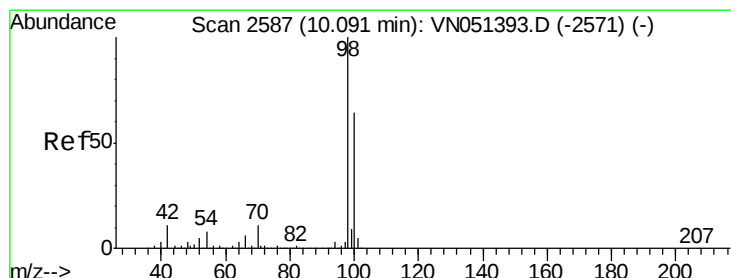
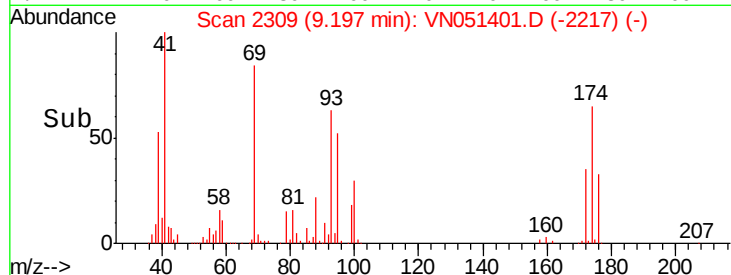
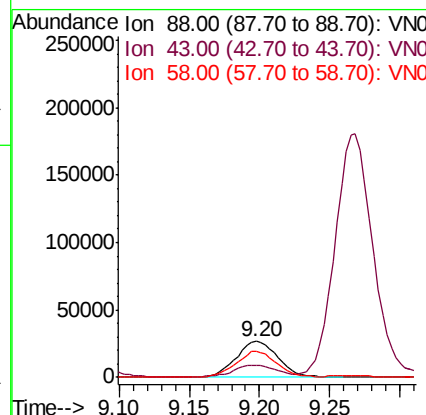
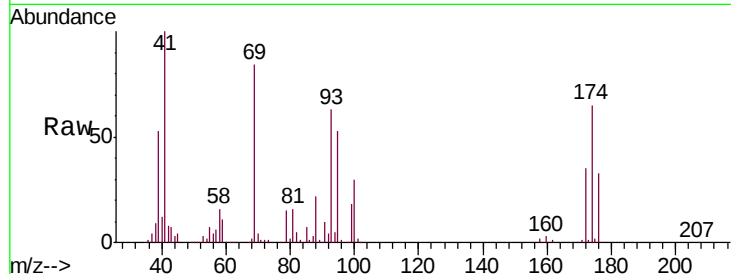
#49
1,4-Dioxane
Concen: 979.093 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.9	38.9
58	70.5	57.0	85.4

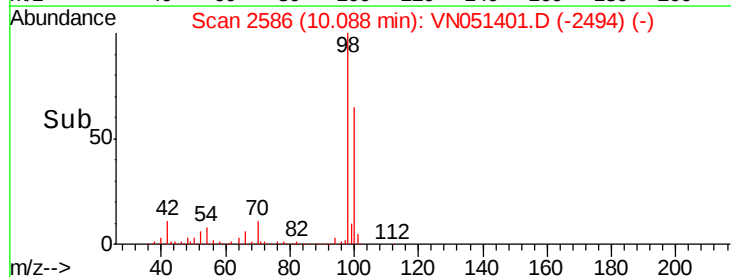
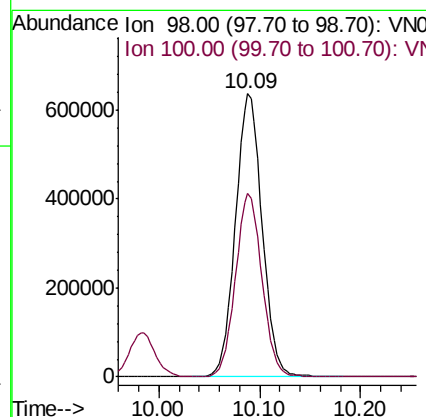
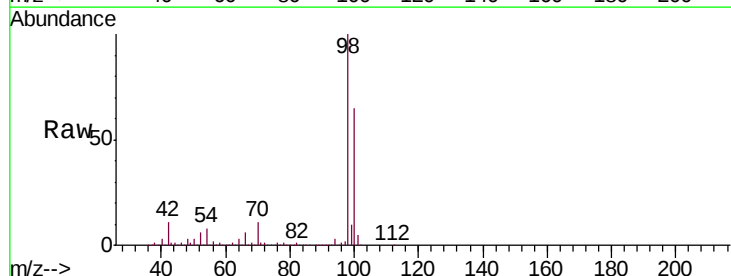
Manual Integrations
APPROVED

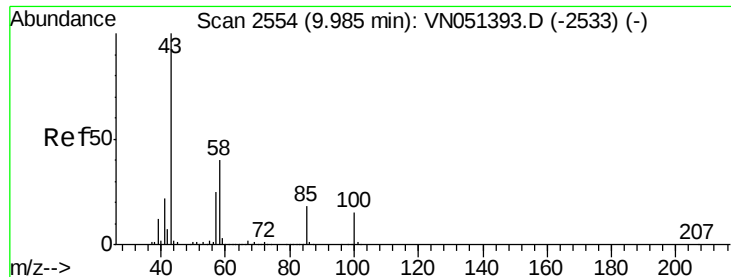
MMDadoda
9/24/2018 2:15:25 PM



#50
Toluene-d8
Concen: 50.401 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8





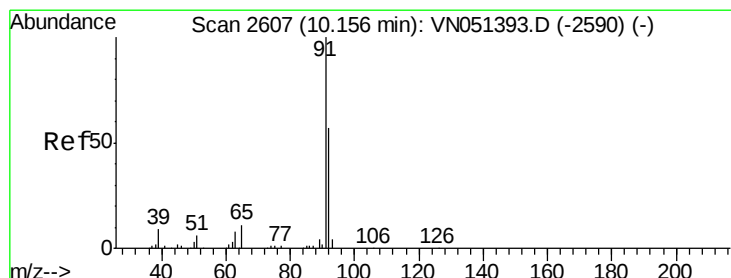
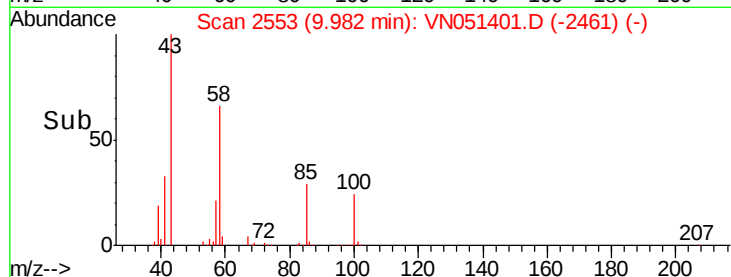
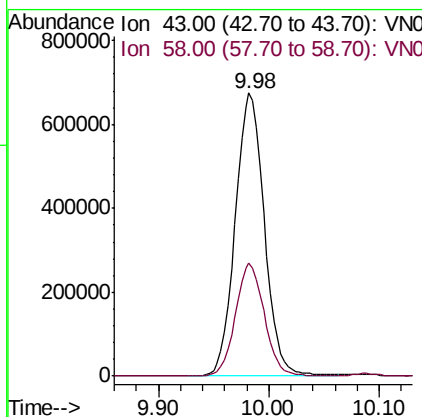
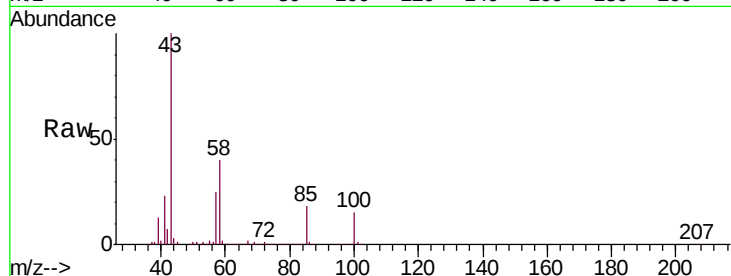
#51
4-Methyl-2-Pentanone
Concen: 240.972 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1231609
Ion Ratio Lower Upper
43 100
58 39.5 31.5 47.3

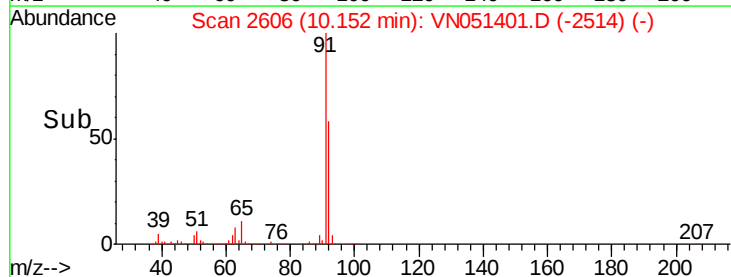
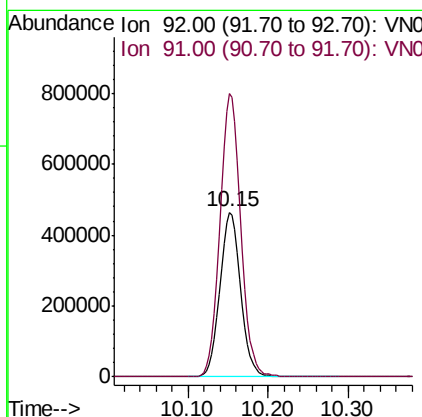
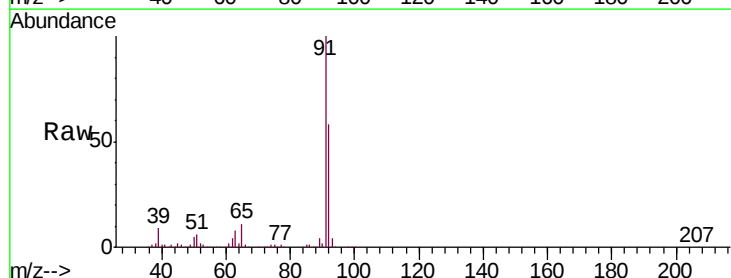
Manual Integrations
APPROVED

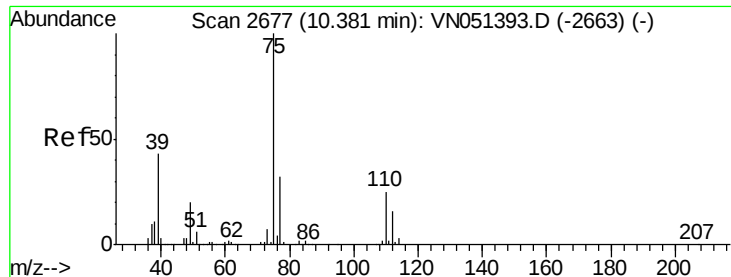
MMDadoda
9/24/2018 2:15:25 PM



#52
Toluene
Concen: 51.187 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 92 Resp: 834888
Ion Ratio Lower Upper
92 100
91 172.8 142.2 213.4





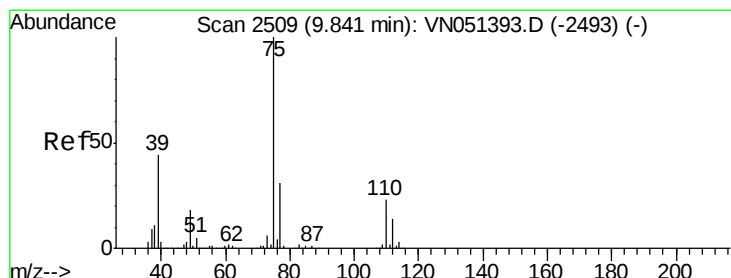
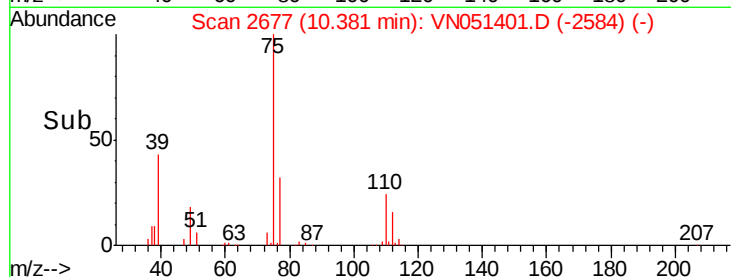
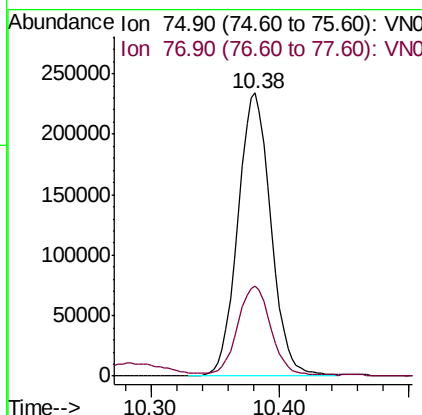
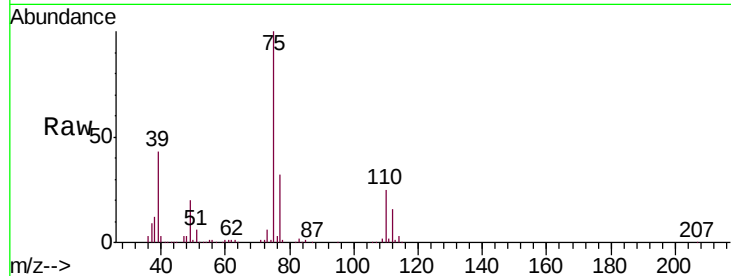
#53
t-1,3-Dichloropropene
Concen: 46.377 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 417678
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8

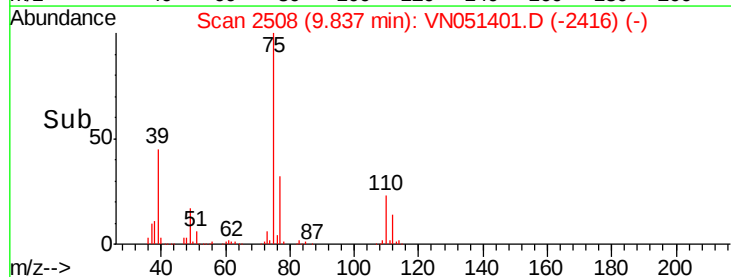
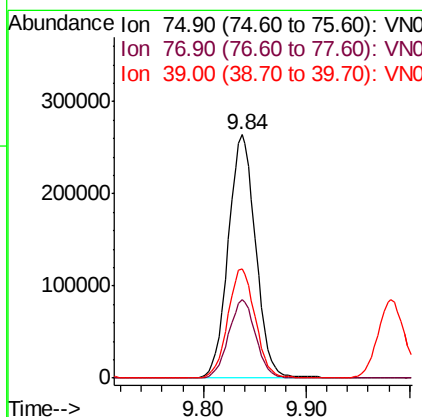
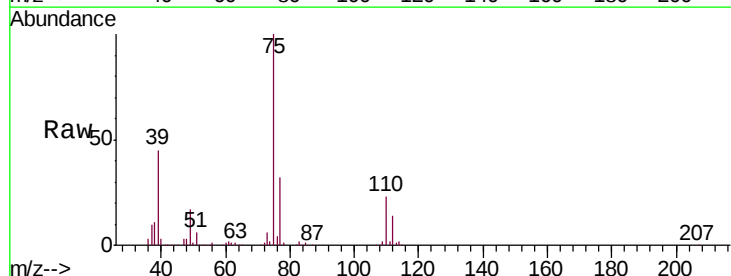
Manual Integrations
APPROVED

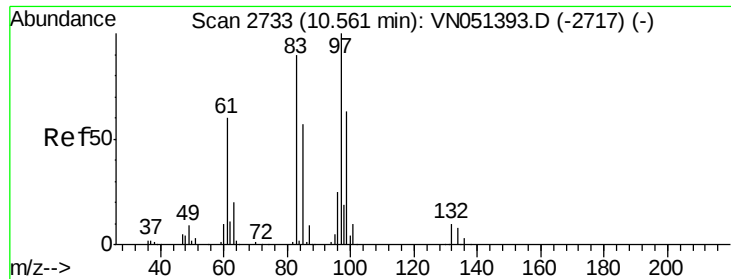
MMDadoda
9/24/2018 2:15:25 PM



#54
cis-1,3-Dichloropropene
Concen: 46.864 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 75 Resp: 489463
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
39 44.9 35.4 53.2





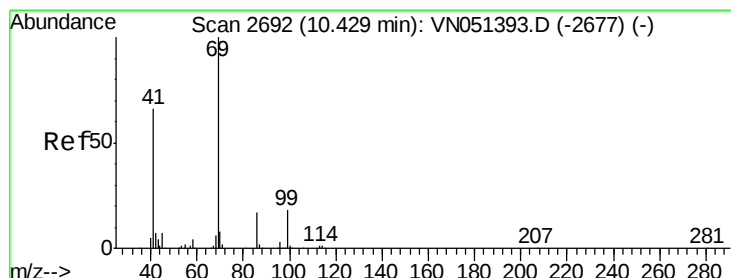
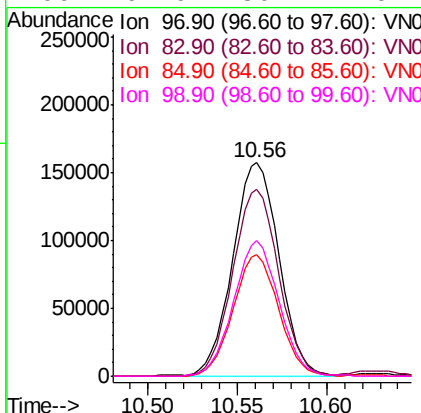
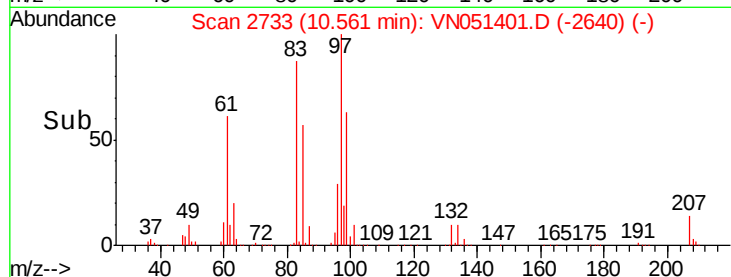
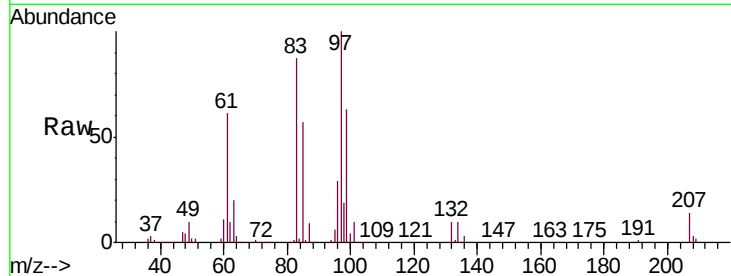
#55
 1,1,2-Trichloroethane
 Concen: 49.433 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	284952		
83	86.9	72.0	108.0	
85	56.6	45.2	67.8	
99	62.9	50.7	76.1	

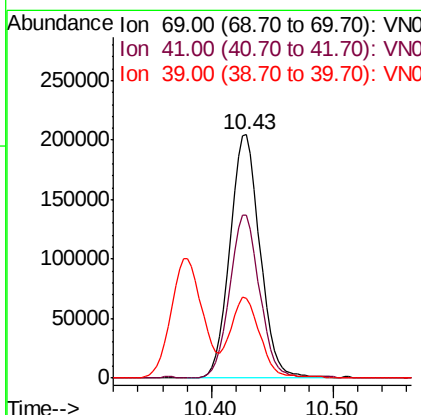
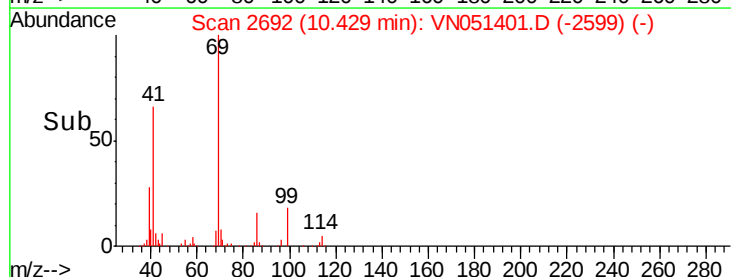
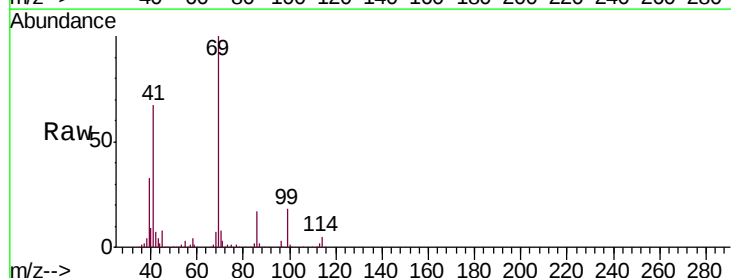
Manual Integrations
 APPROVED

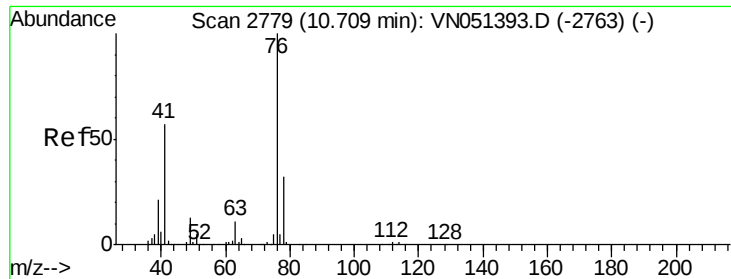
MMDadoda
 9/24/2018 2:15:25 PM



#56
 Ethyl methacrylate
 Concen: 49.877 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	351519		
41	66.8	52.4	78.6	
39	32.2	26.3	39.5	





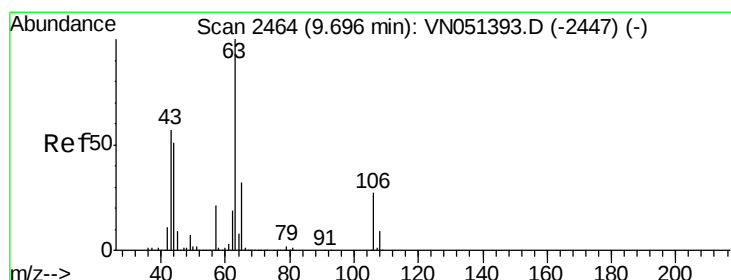
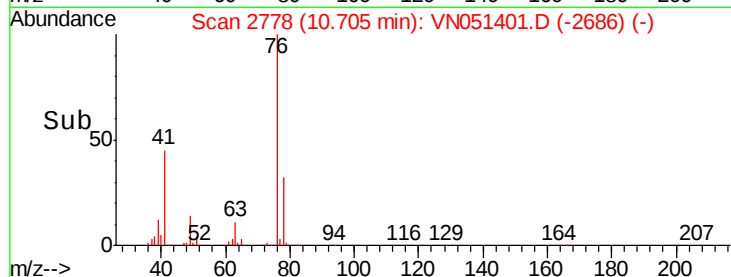
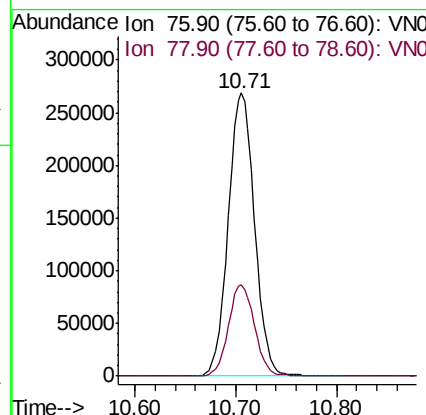
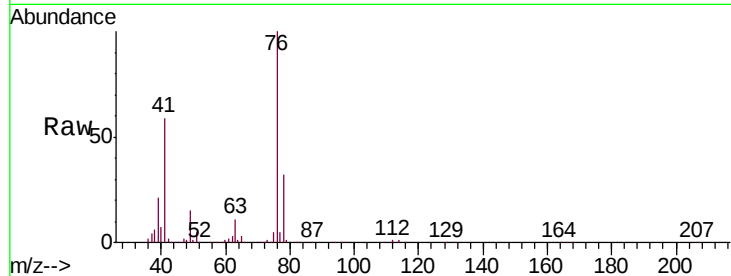
#57
 1,3-Dichloropropane
 Concen: 49.494 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 489016
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

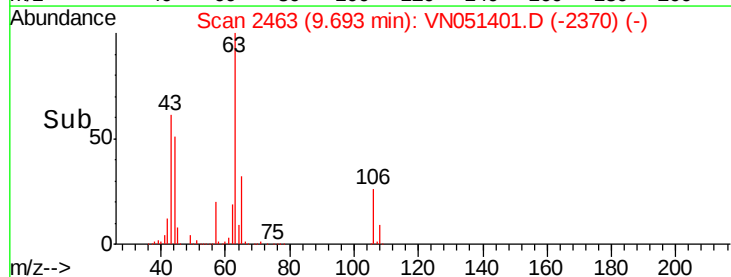
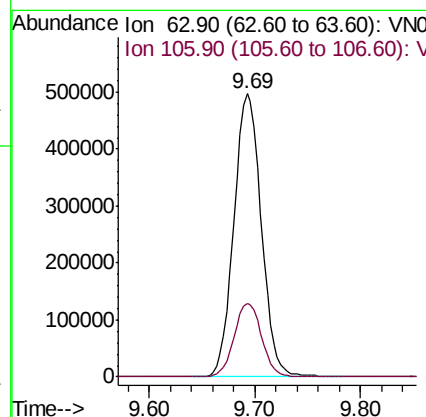
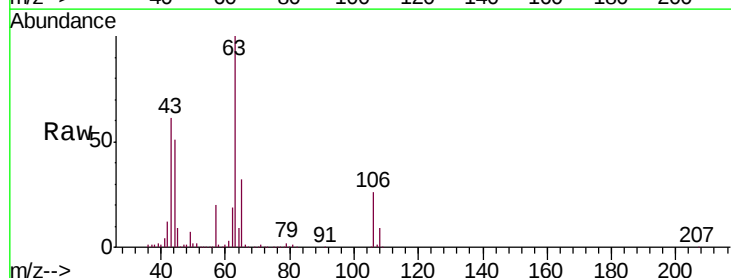
Manual Integrations
 APPROVED

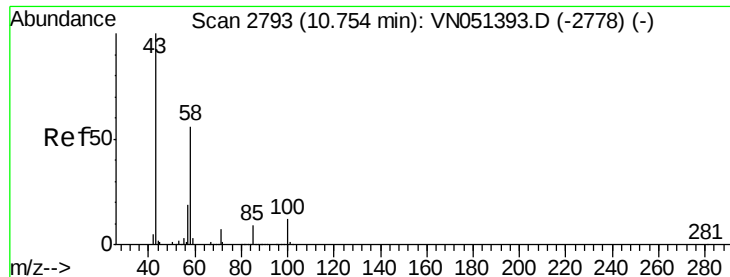
MMDadoda
 9/24/2018 2:15:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.999 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion: 63 Resp: 895389
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.4 32.2





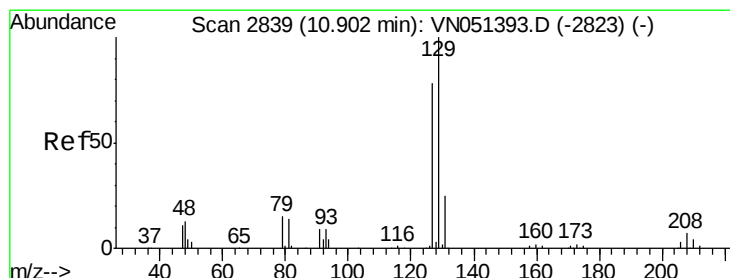
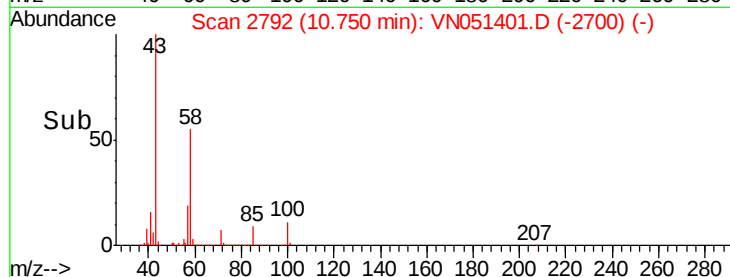
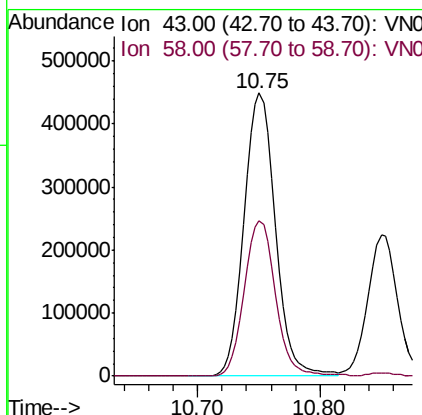
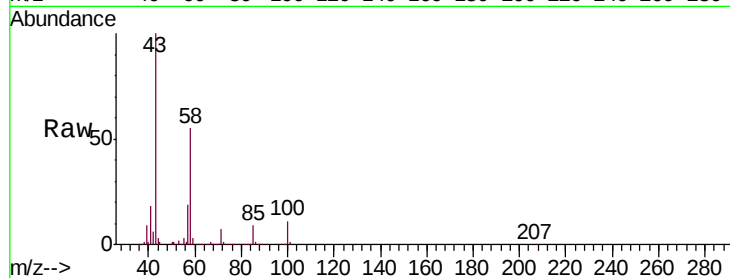
#59
2-Hexanone
Concen: 238.996 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 791858
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.0

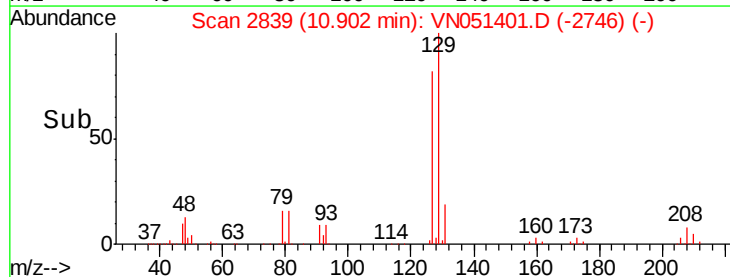
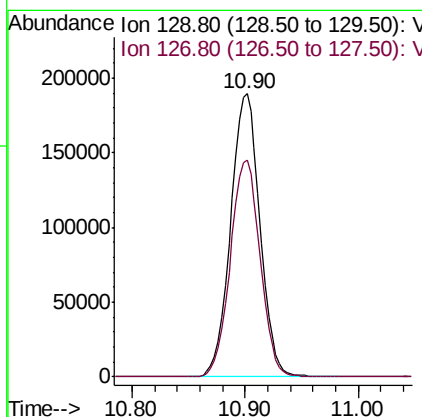
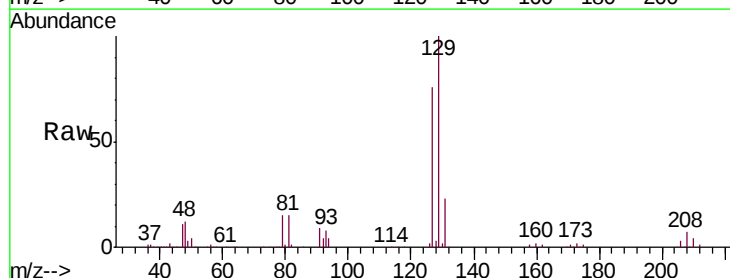
Manual Integrations
APPROVED

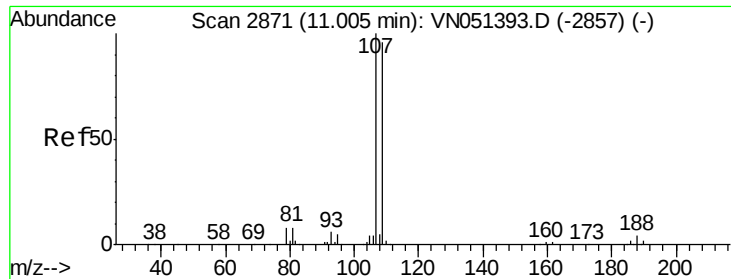
MMDadoda
9/24/2018 2:15:25 PM



#60
Dibromochloromethane
Concen: 50.112 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 129 Resp: 340831
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.201 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 275321

Ion Ratio Lower Upper

107 100

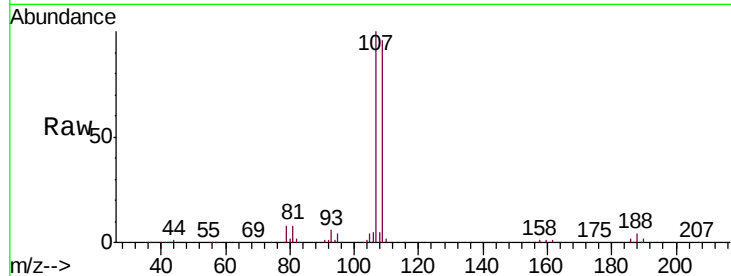
109 95.7 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:25 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

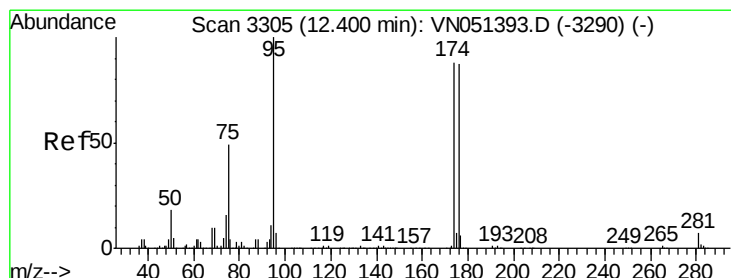
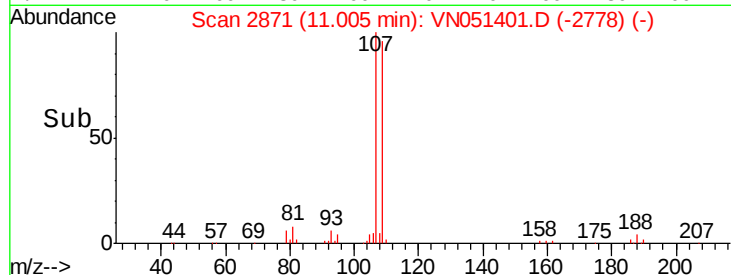
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.902 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

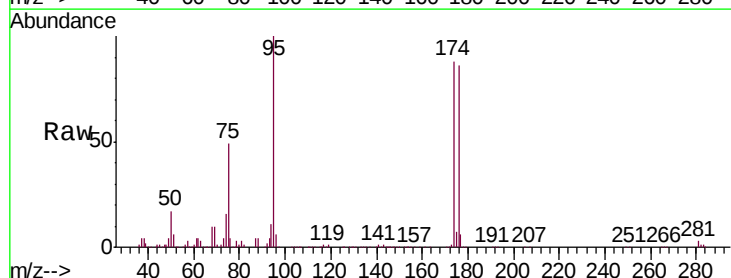
Tgt Ion: 95 Resp: 397778

Ion Ratio Lower Upper

95 100

174 89.5 0.0 181.6

176 86.5 0.0 176.4



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

300000

250000

200000

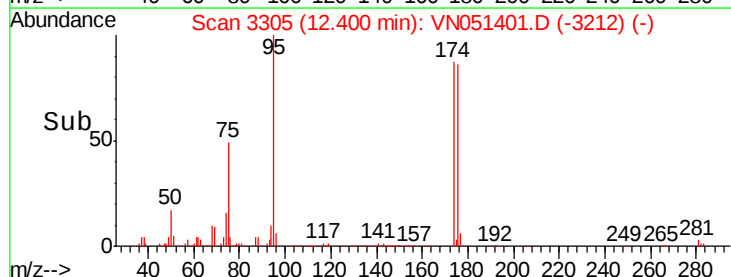
150000

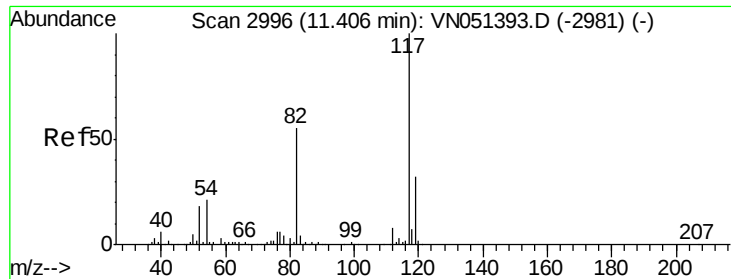
100000

50000

0

Time--> 12.30 12.35 12.40 12.45





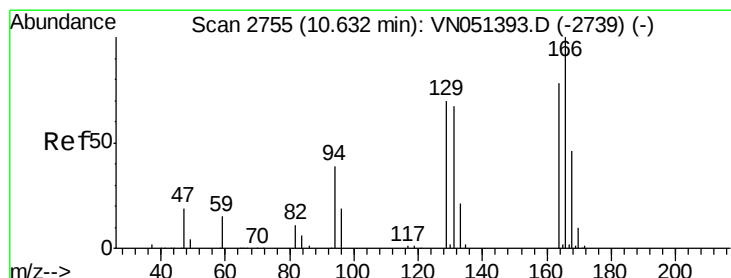
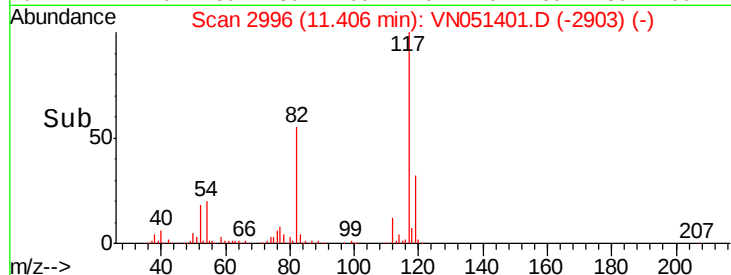
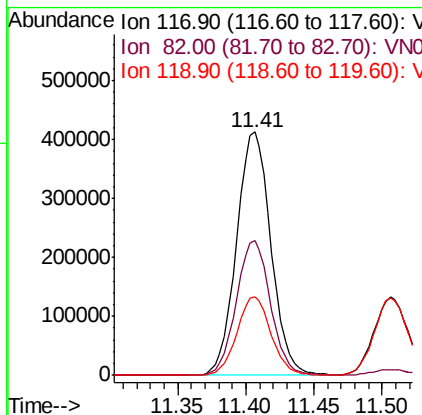
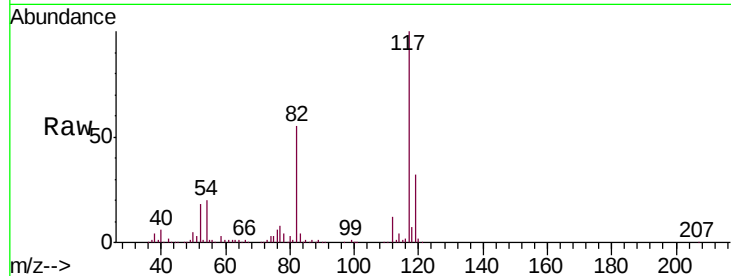
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	723272		
82	55.2	44.2	66.2	
119	32.3	25.9	38.9	

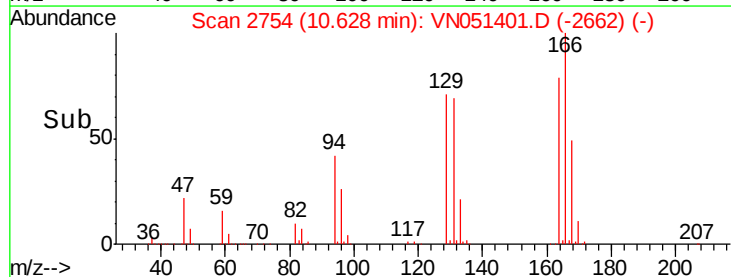
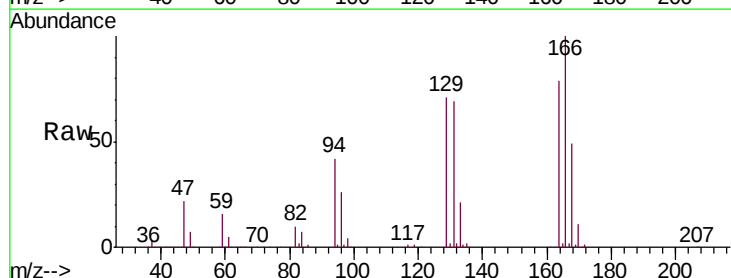
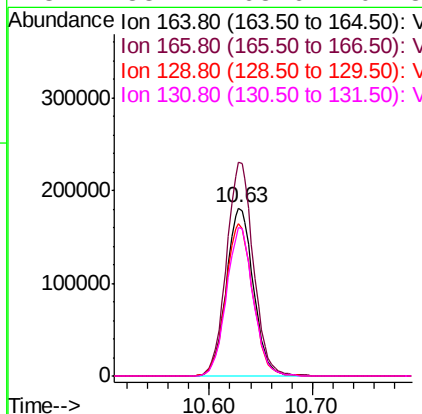
Manual Integrations
APPROVED

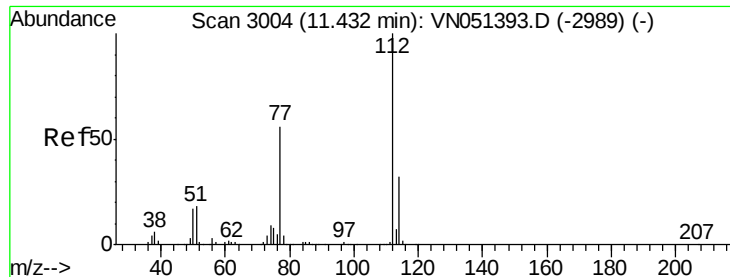
MMDadoda
9/24/2018 2:15:25 PM



#64
Tetrachloroethene
Concen: 50.382 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	330712		
166	127.3	102.3	153.5	
129	90.8	71.8	107.8	
131	88.4	68.6	102.8	





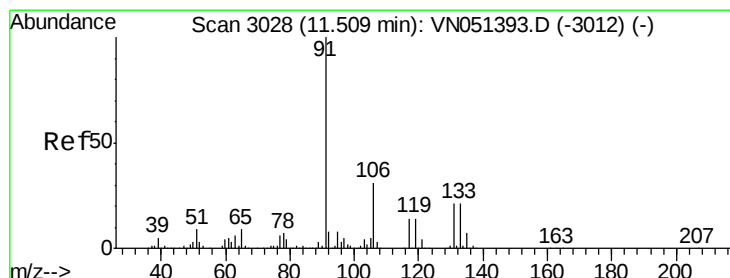
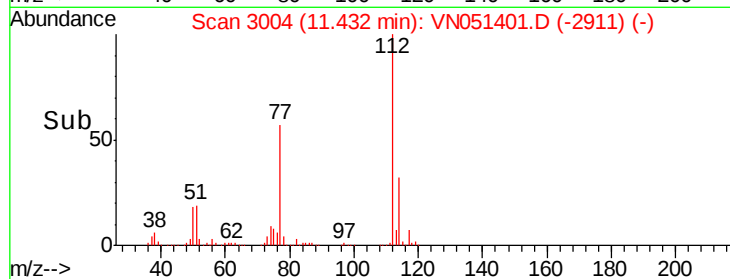
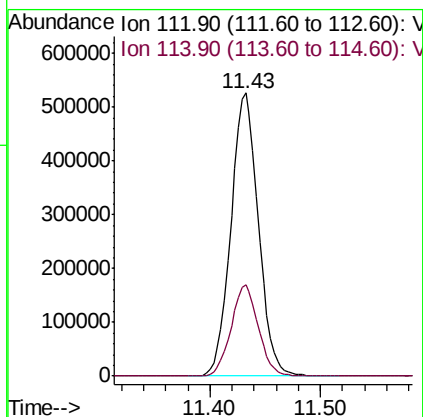
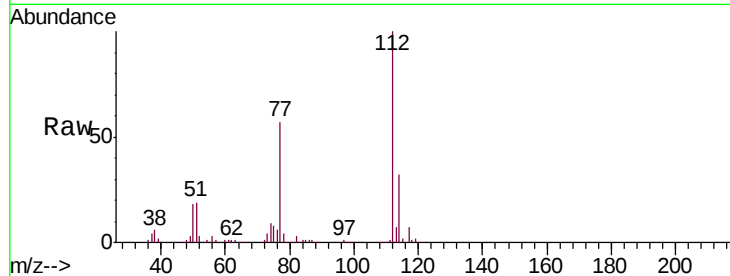
#65
Chlorobenzene
Concen: 48.809 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 905735
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

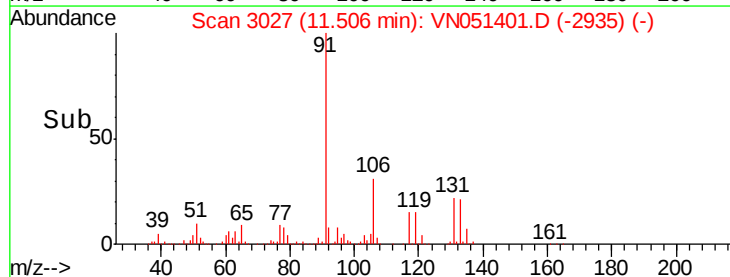
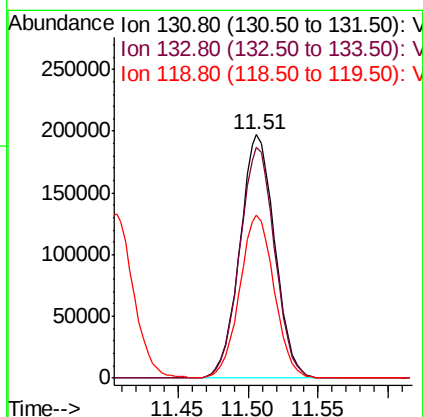
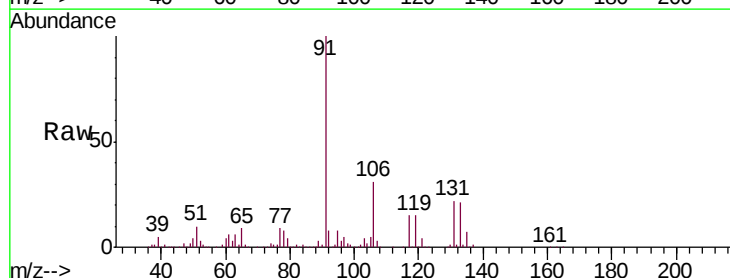
Manual Integrations
APPROVED

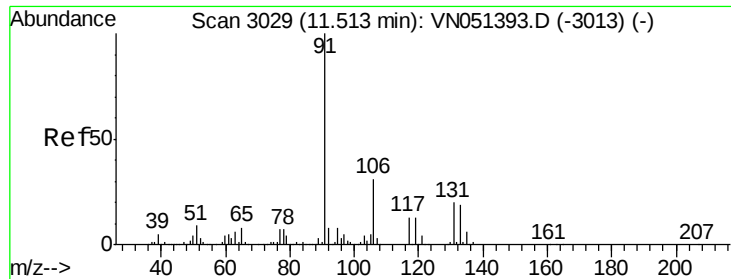
MMDadoda
9/24/2018 2:15:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.362 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:131 Resp: 341918
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.8
119 66.2 32.8 98.4





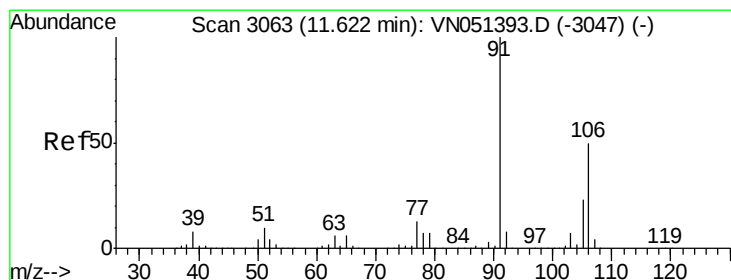
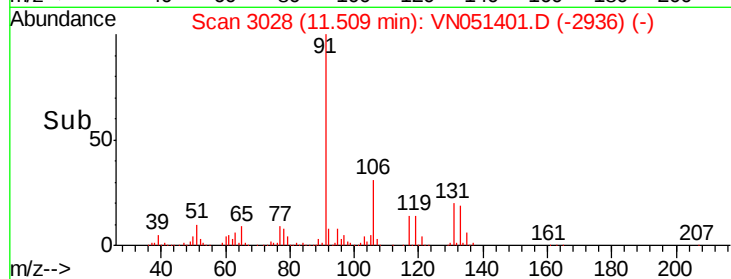
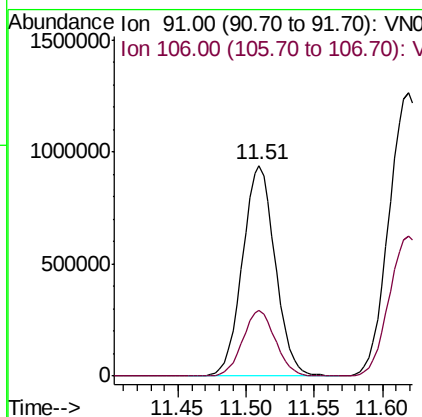
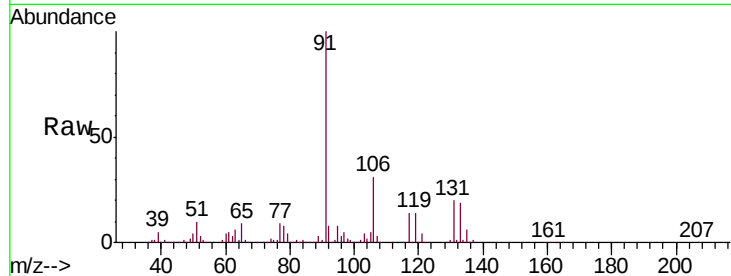
#67
Ethyl Benzene
Concen: 49.930 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 1561481
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

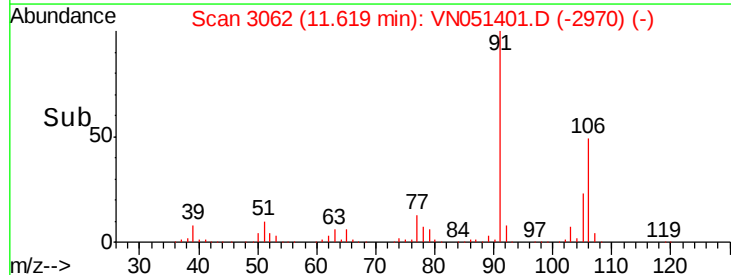
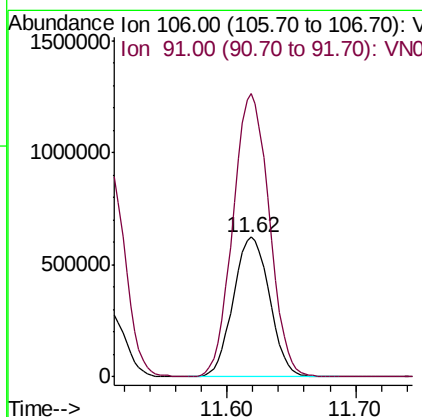
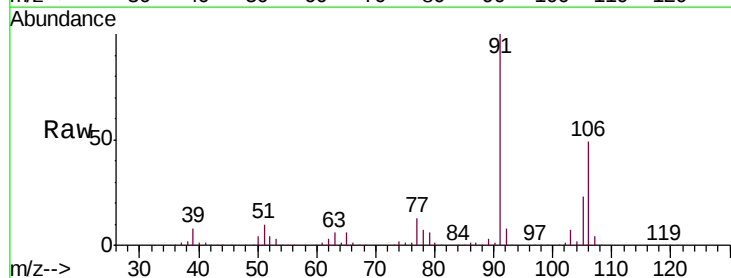
Manual Integrations
APPROVED

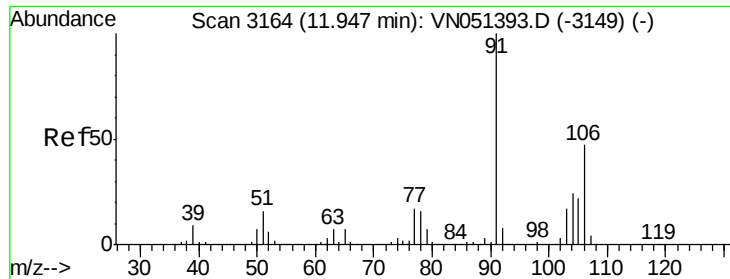
MMDadoda
9/24/2018 2:15:25 PM



#68
m/p-Xylenes
Concen: 101.048 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 106 Resp: 1222342
Ion Ratio Lower Upper
106 100
91 202.3 161.3 241.9





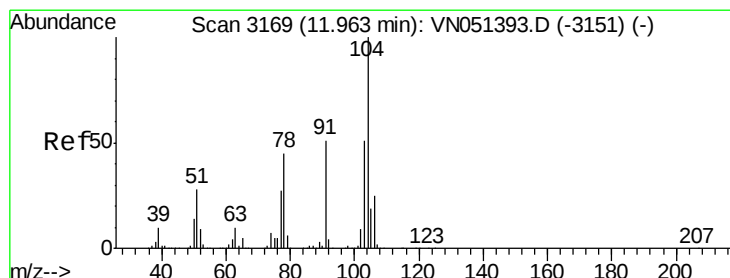
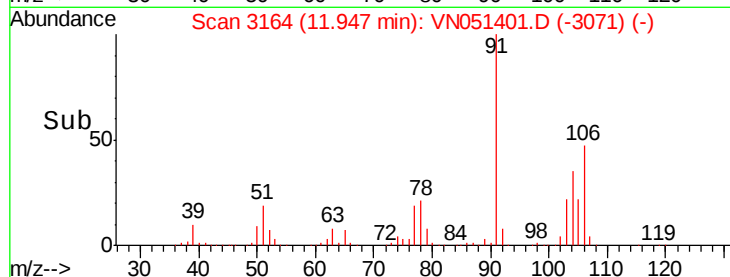
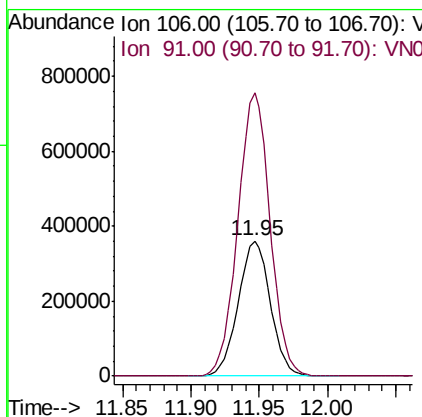
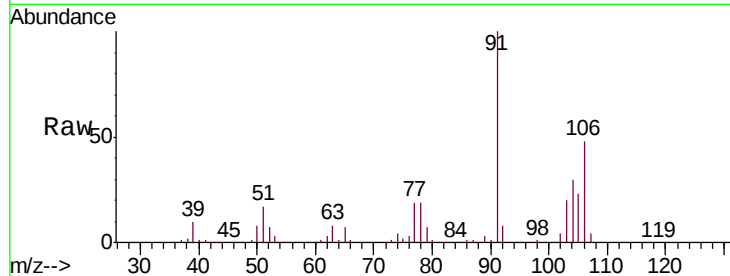
#69
o-Xylene
Concen: 50.736 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 590019
Ion Ratio Lower Upper
106 100
91 210.1 105.3 315.9

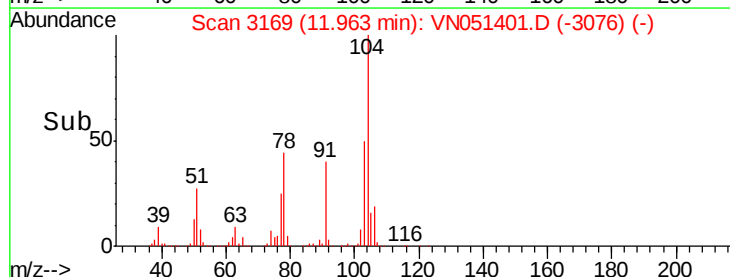
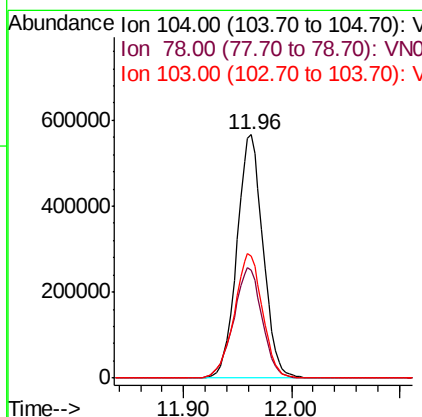
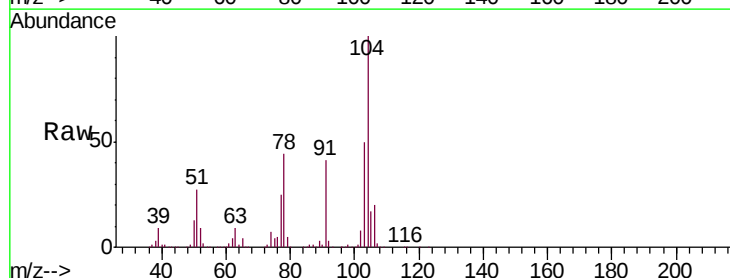
Manual Integrations
APPROVED

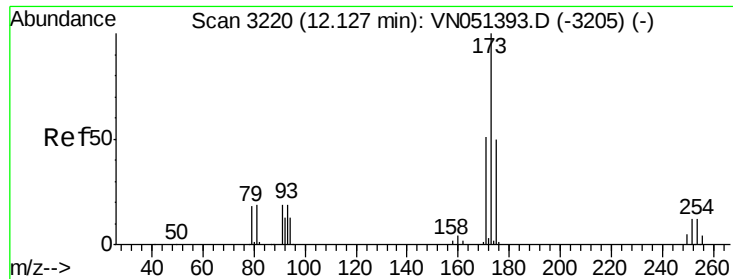
MMDadoda
9/24/2018 2:15:25 PM



#70
Styrene
Concen: 51.896 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion:104 Resp: 956299
Ion Ratio Lower Upper
104 100
78 49.7 39.9 59.9
103 55.2 44.6 66.8





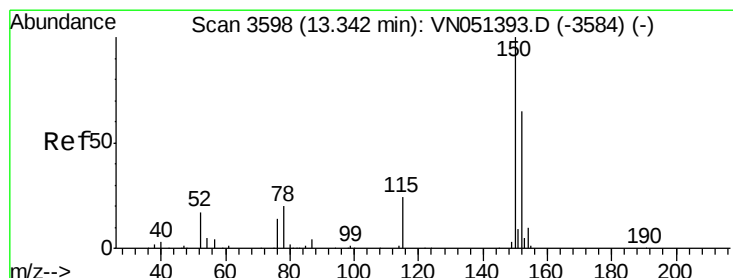
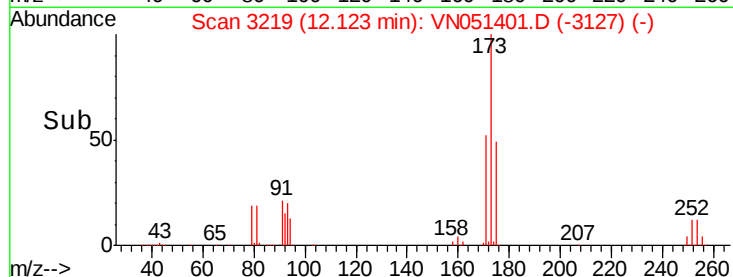
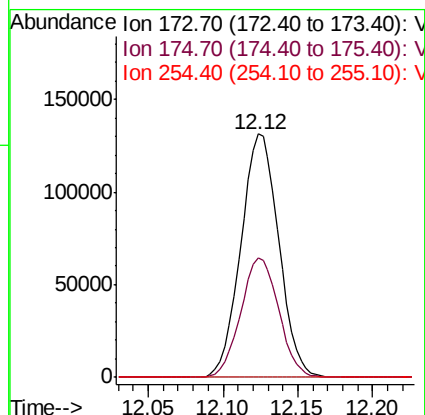
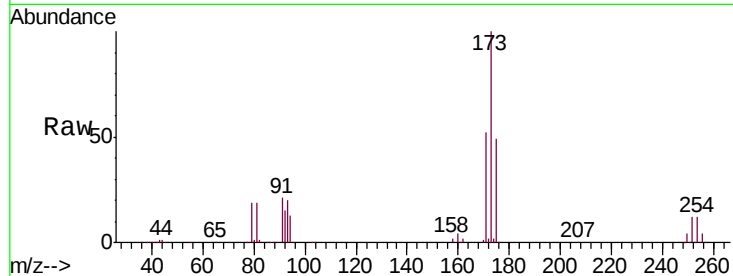
#71
Bromoform
Concen: 48.278 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.8	74.3
254	0.1	0.2	0.2

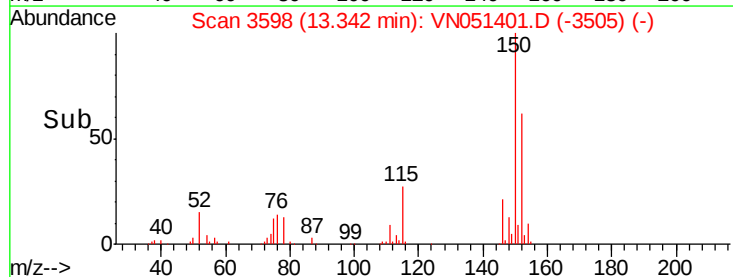
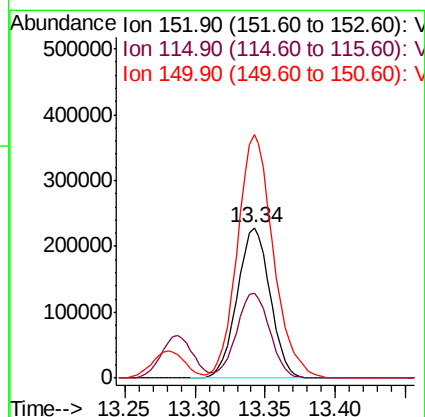
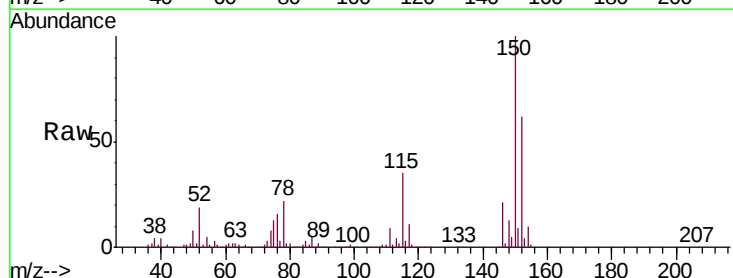
Manual Integrations
APPROVED

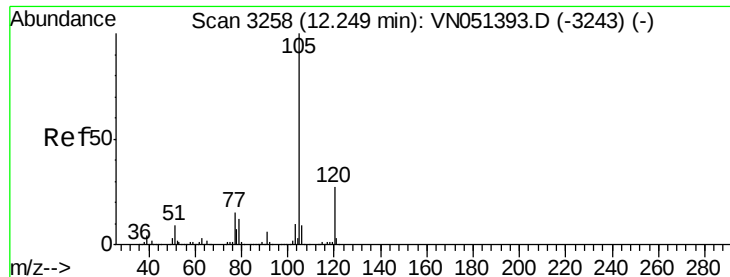
MMDadoda
9/24/2018 2:15:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.3	84.9
150	176.3	0.0	353.6





#73

Isopropylbenzene

Concen: 50.337 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 105 Resp: 1587191

Ion Ratio Lower Upper

105 100

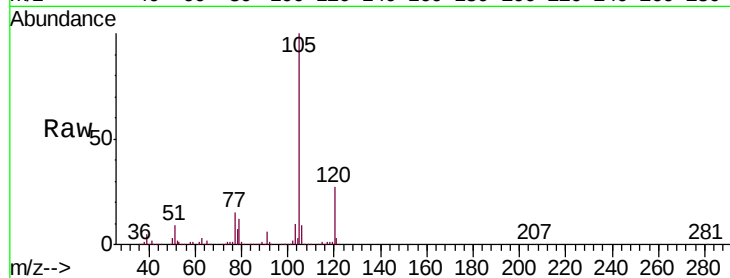
120 26.9 13.3 39.8

Manual Integrations

APPROVED

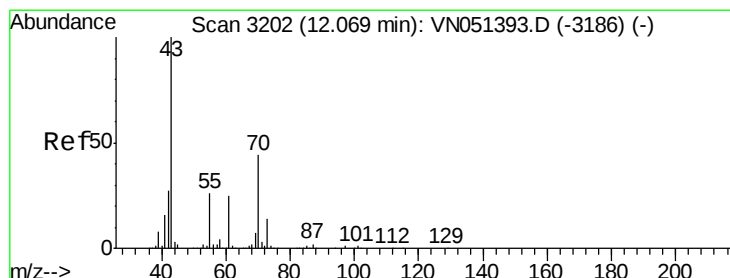
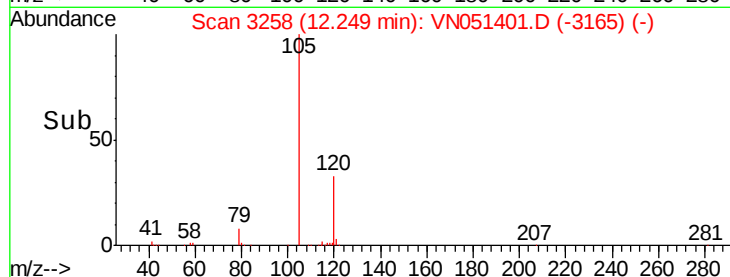
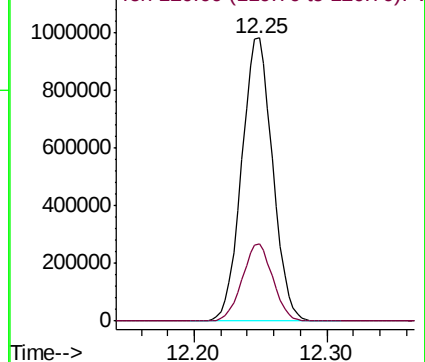
MMDadoda

9/24/2018 2:15:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.433 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Tgt Ion: 43 Resp: 391081

Ion Ratio Lower Upper

43 100

70 42.1 35.0 52.4

55 26.4 21.4 32.2

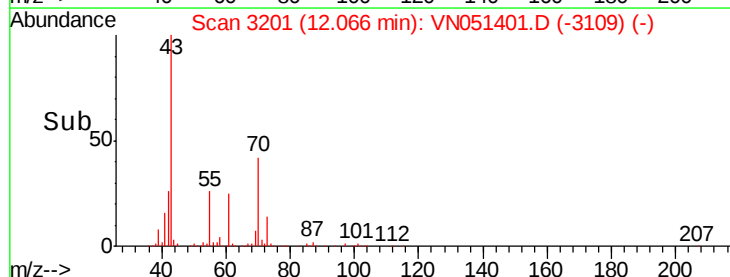
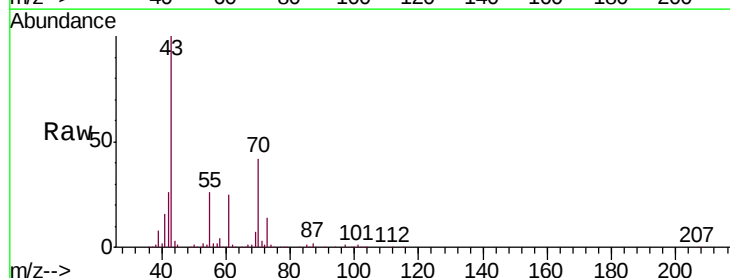
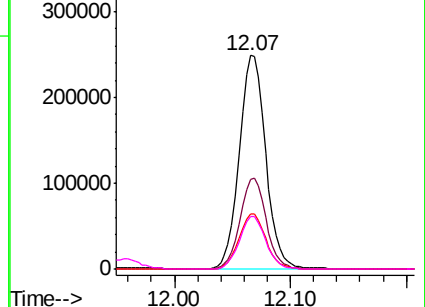
61 24.6 19.8 29.6

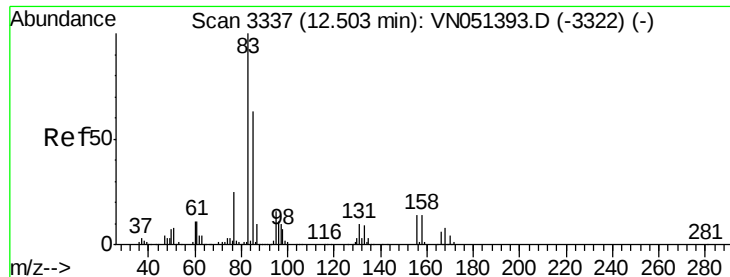
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.057 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 345998
Ion Ratio Lower Upper

83 100

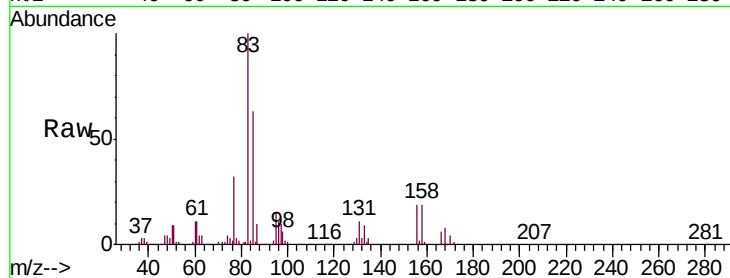
131 10.7 5.3 15.9

85 64.2 31.6 95.0

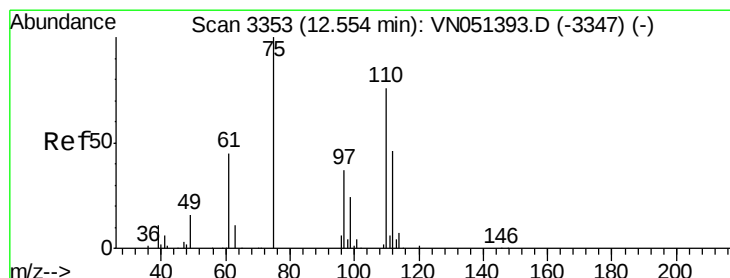
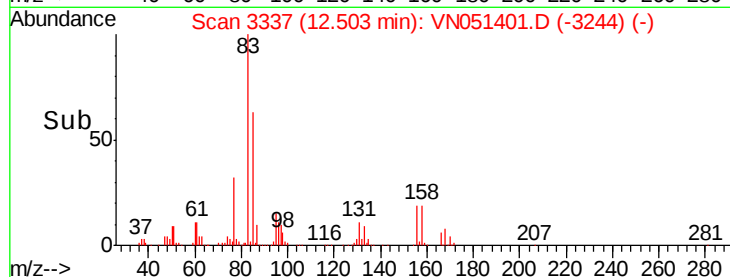
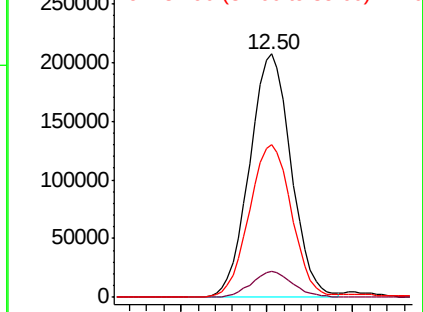
Manual Integrations
APPROVED

MMDadoda

9/24/2018 2:15:25 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: 47.059 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

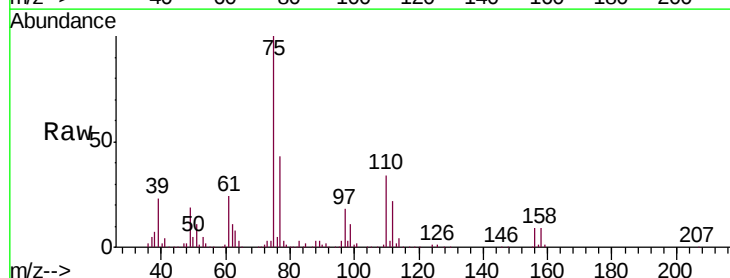
Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

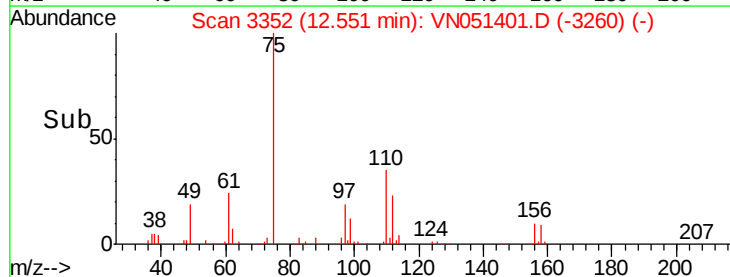
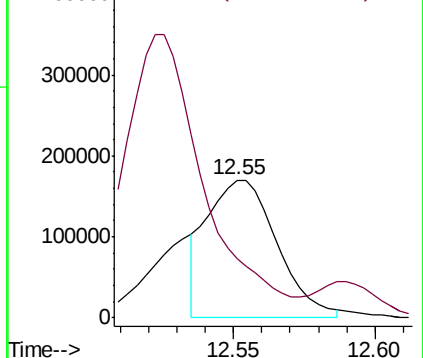
Tgt Ion: 75 Resp: 291945
Ion Ratio Lower Upper

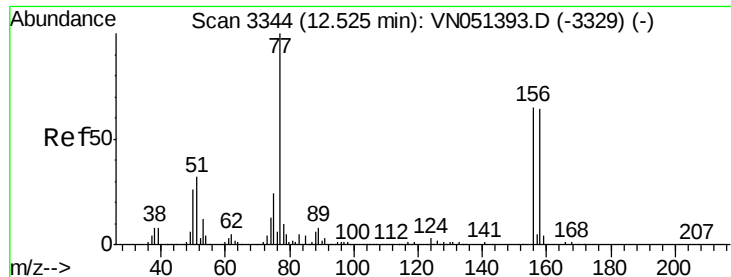
75 100

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: 48.584 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Instrument :

MSVOA_N

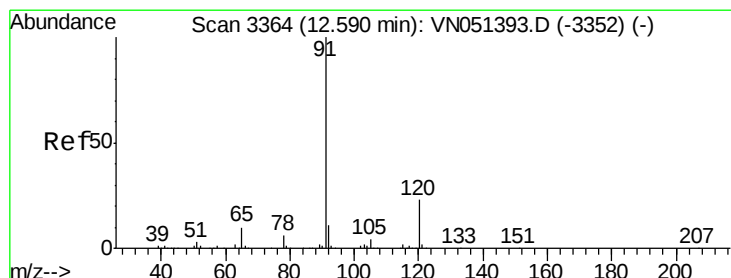
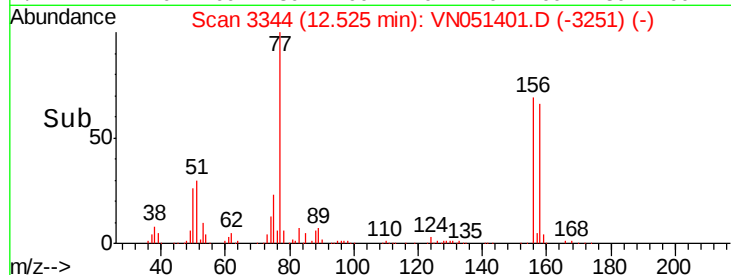
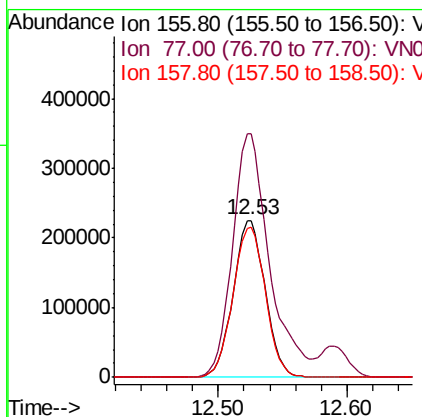
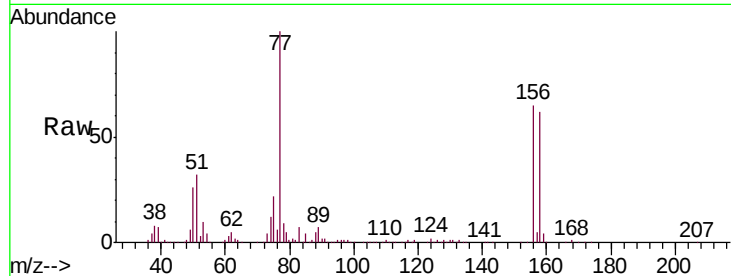
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	387805		
77	179.9	89.5	268.4	
158	97.1	49.4	148.2	

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM



#78

n-propylbenzene

Concen: 51.133 ug/l

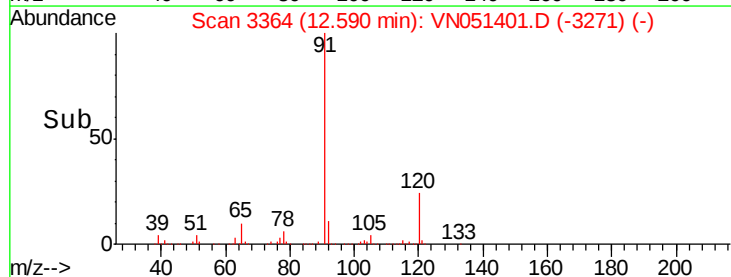
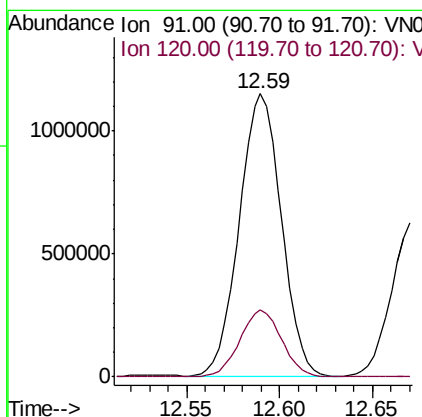
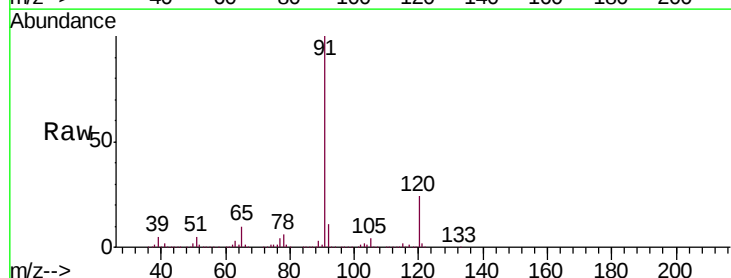
RT: 12.59 min Scan# 3364

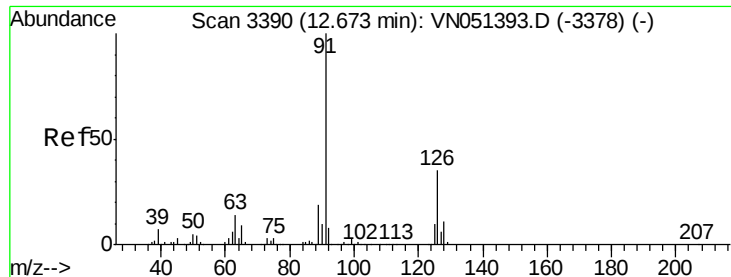
Delta R.T. -0.00 min

Lab File: VN051401.D

Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1817094		
120	23.5	11.9	35.5	





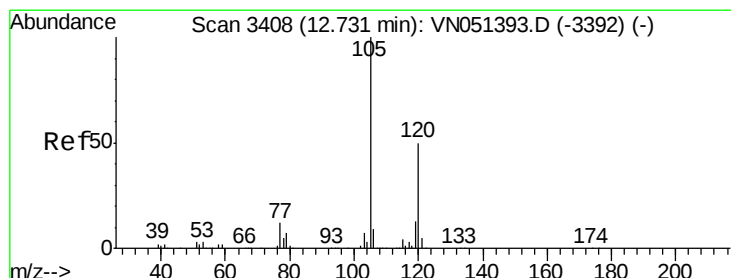
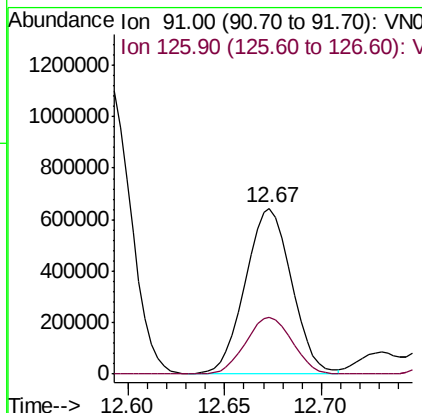
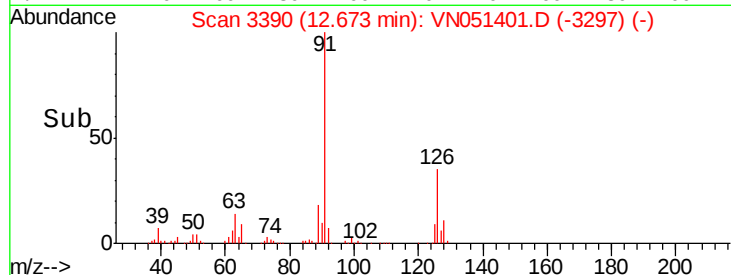
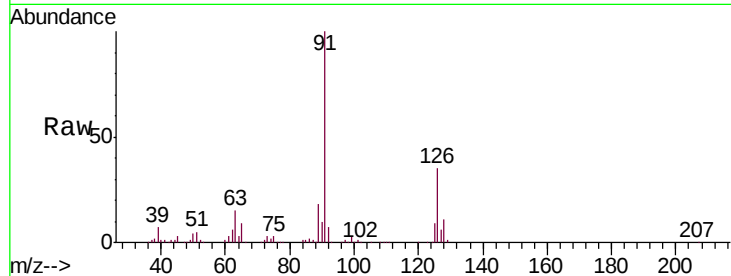
#79
2-Chlorotoluene
Concen: 50.281 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1069563
Ion Ratio Lower Upper
91 100
126 35.0 17.6 52.8

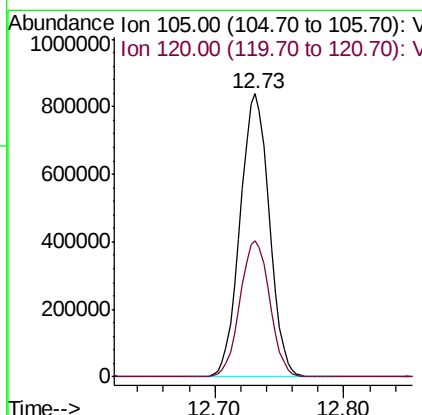
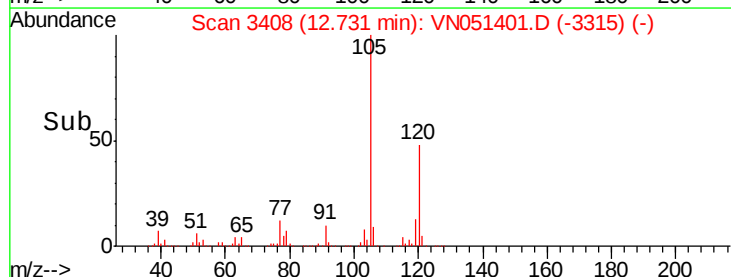
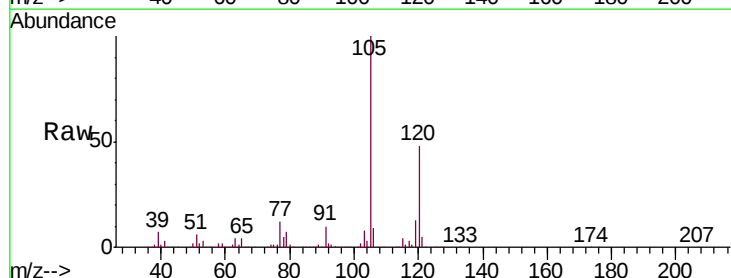
Manual Integrations
APPROVED

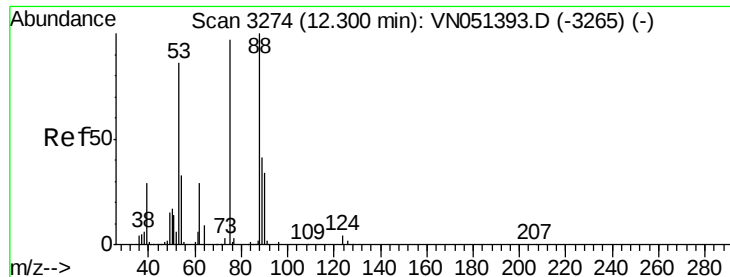
MMDadoda
9/24/2018 2:15:25 PM



#80
1,3,5-Trimethylbenzene
Concen: 51.257 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 105 Resp: 1317856
Ion Ratio Lower Upper
105 100
120 49.1 24.8 74.4





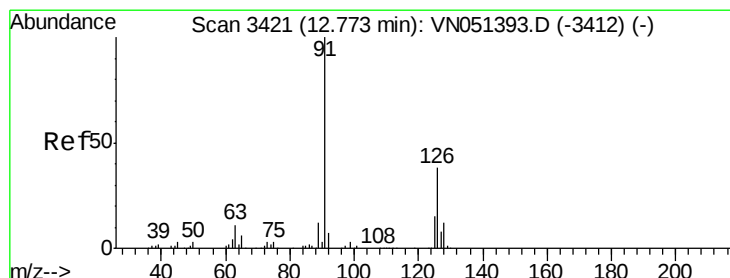
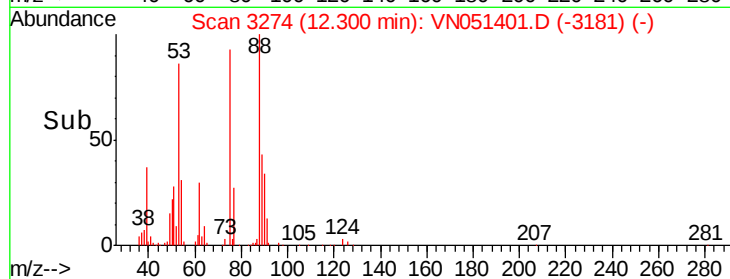
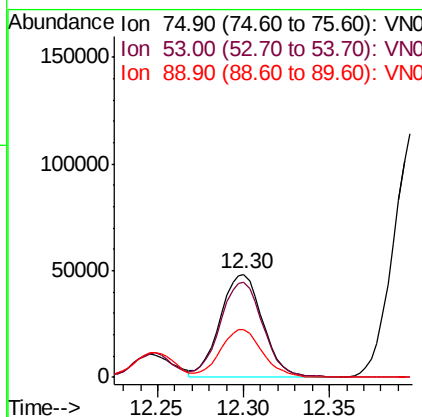
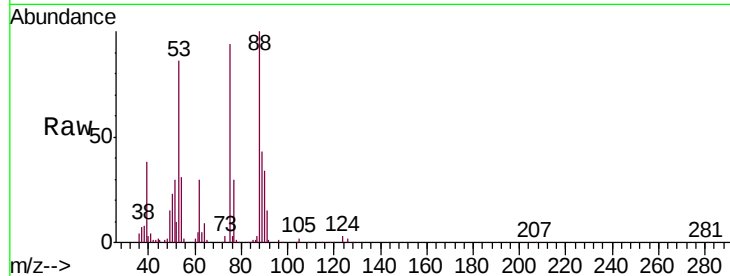
#81
trans-1,4-Dichloro-2-butene
Concen: 41.499 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.0	73.9	110.9
89	45.7	36.7	55.1

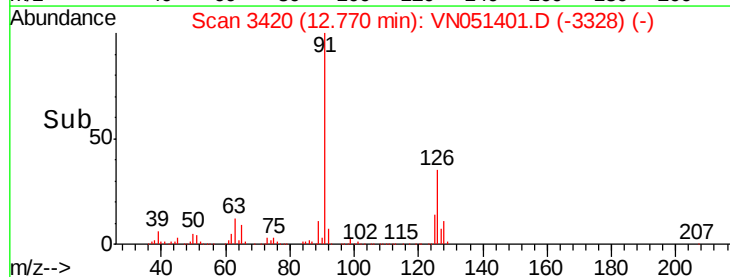
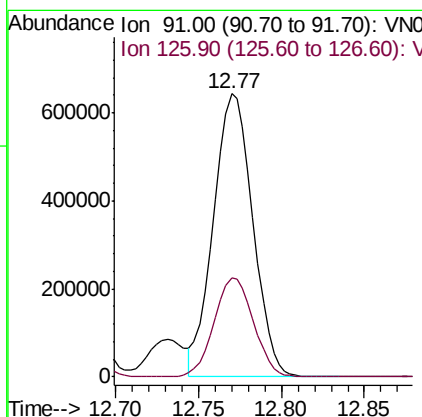
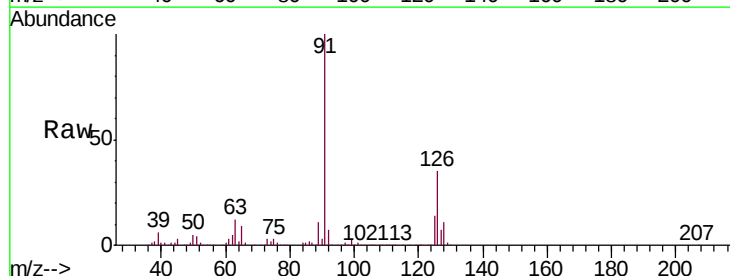
Manual Integrations
APPROVED

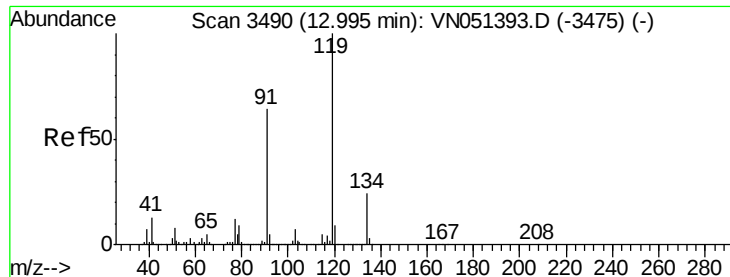
MMDadoda
9/24/2018 2:15:25 PM



#82
4-Chlorotoluene
Concen: 49.995 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





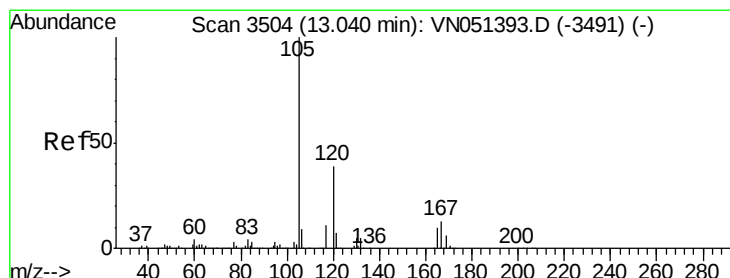
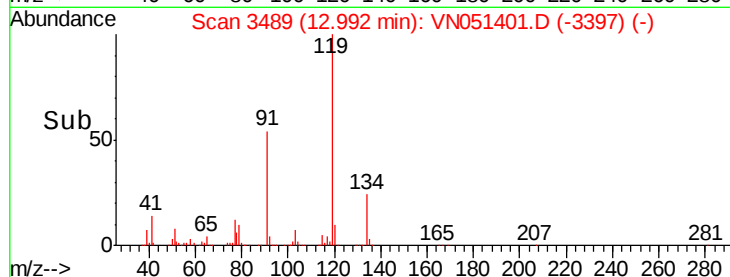
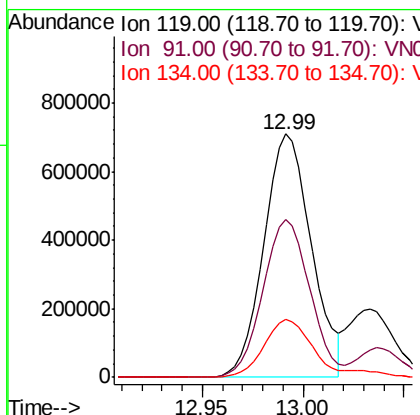
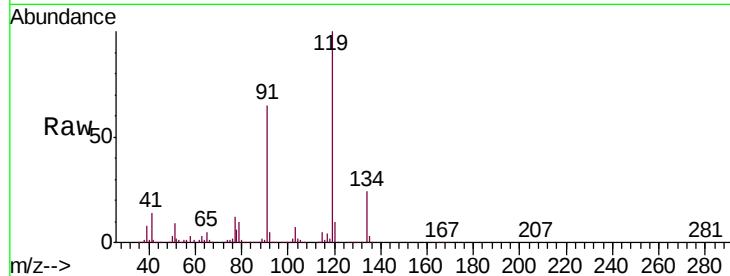
#83
 tert-Butylbenzene
 Concen: 50.911 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1165078
 Ion Ratio Lower Upper
 119 100
 91 64.0 31.7 95.1
 134 25.8 12.3 36.9

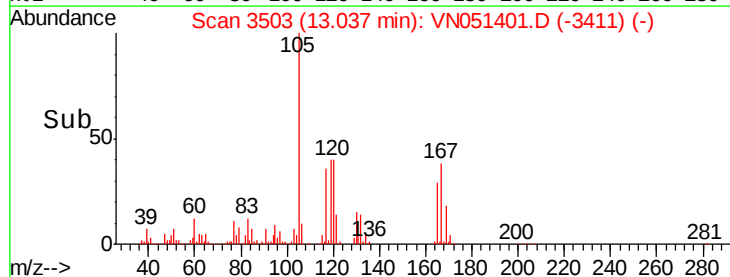
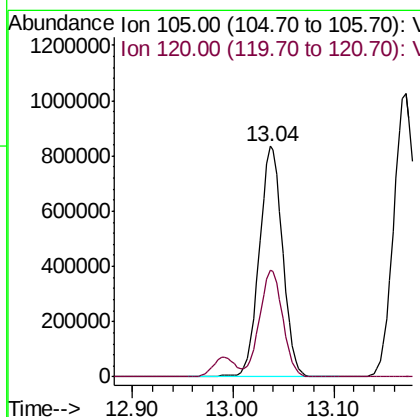
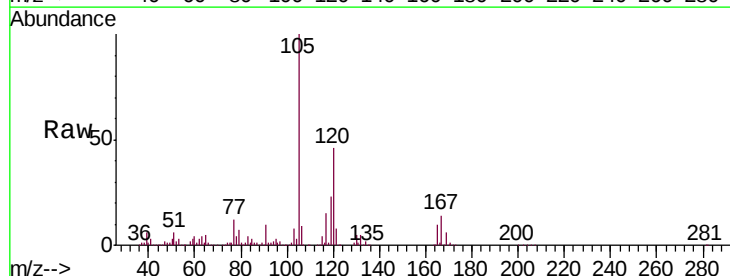
Manual Integrations
 APPROVED

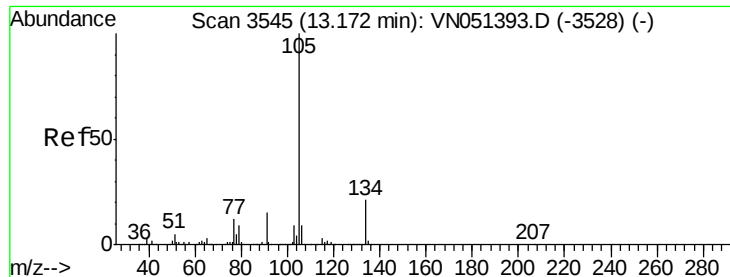
MMDadoda
 9/24/2018 2:15:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.536 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion:105 Resp: 1335192
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





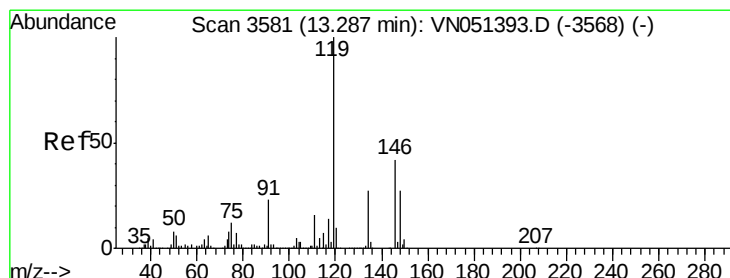
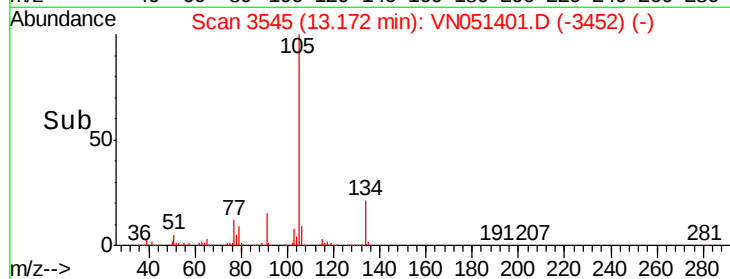
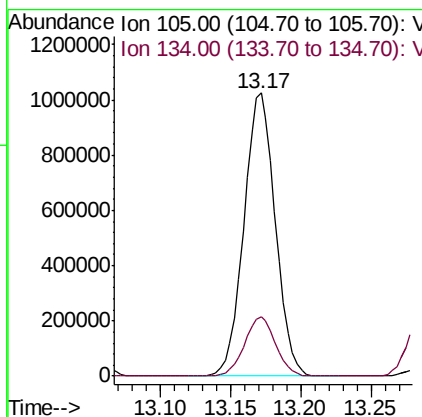
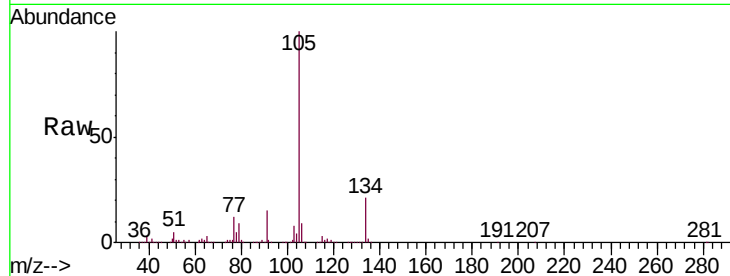
#85
 sec-Butylbenzene
 Concen: 51.468 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1593406
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1

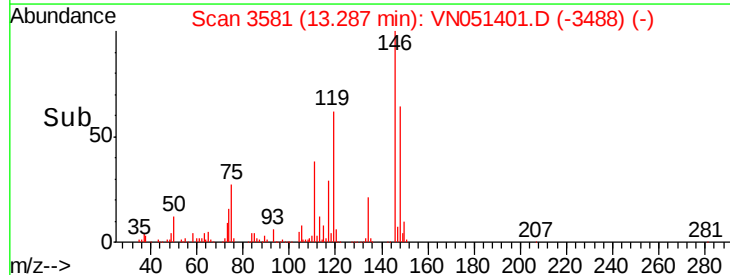
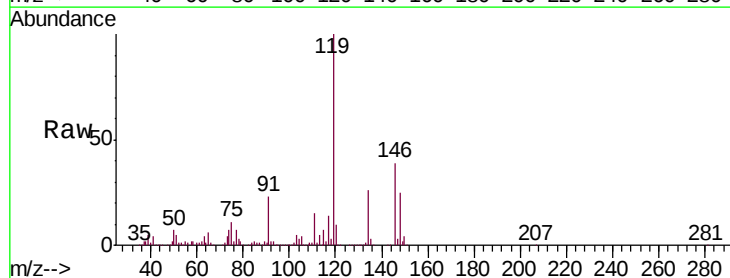
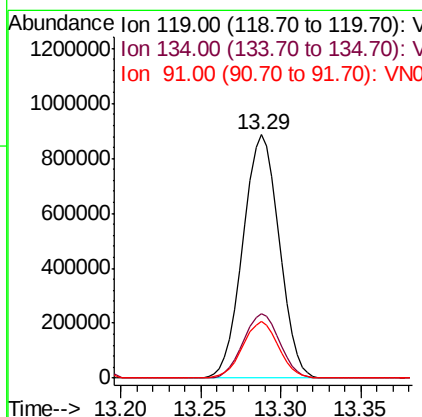
Manual Integrations
 APPROVED

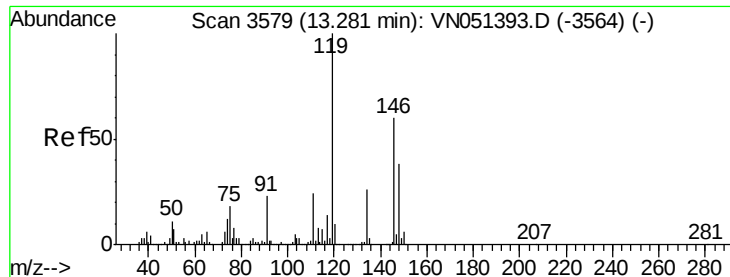
MMDadoda
 9/24/2018 2:15:25 PM



#86
 p-Isopropyltoluene
 Concen: 50.981 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion:119 Resp: 1365717
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.8 11.4 34.2





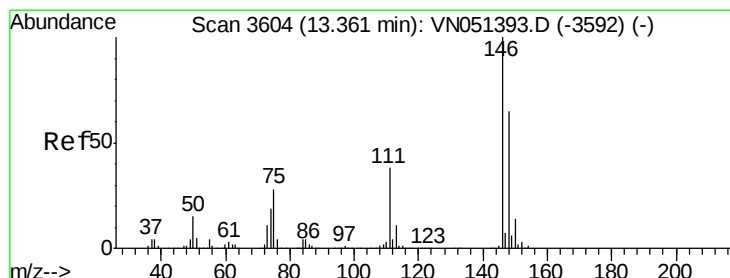
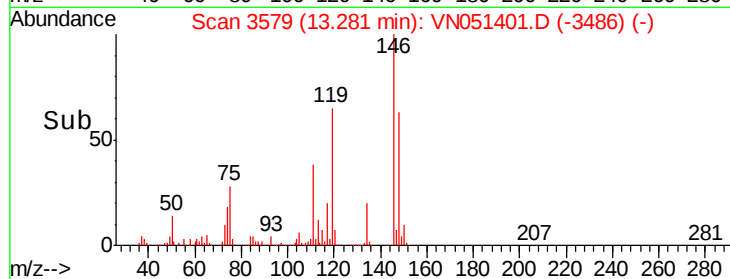
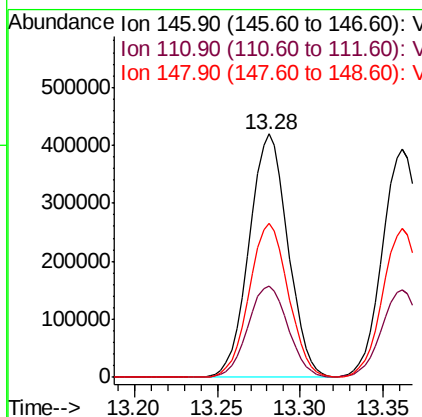
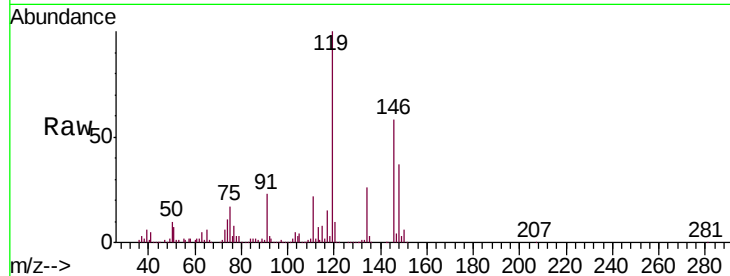
#87
 1,3-Dichlorobenzene
 Concen: 49.364 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	64.0	31.9	95.7

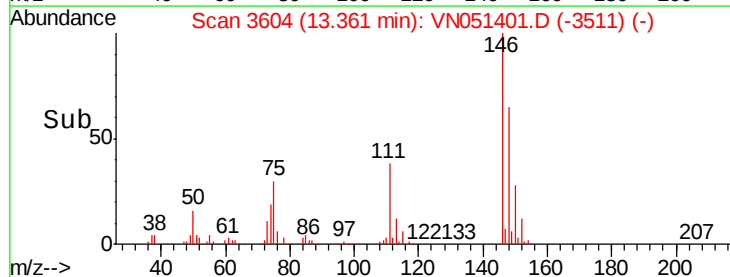
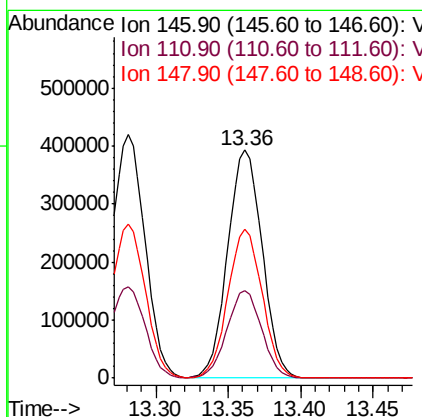
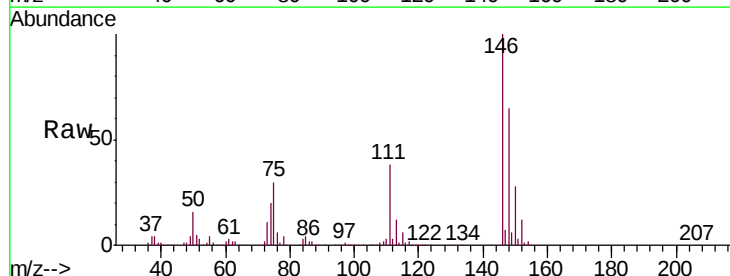
Manual Integrations
 APPROVED

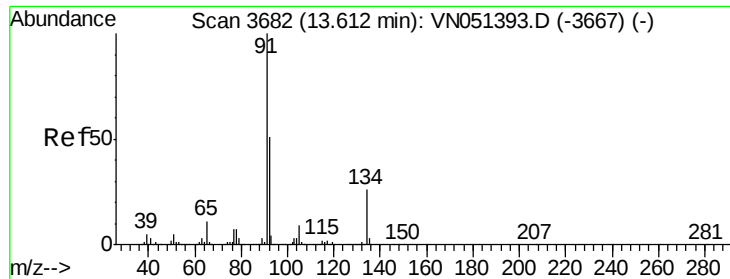
MMDadoda
 9/24/2018 2:15:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.899 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.9	32.5	97.5





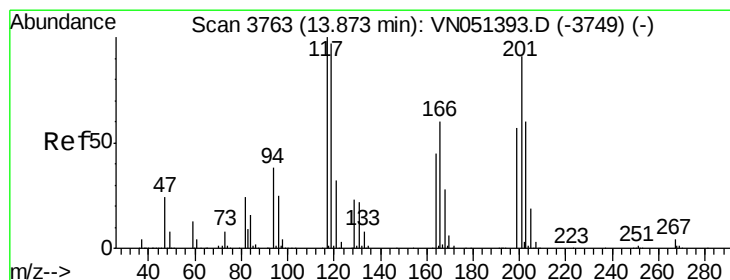
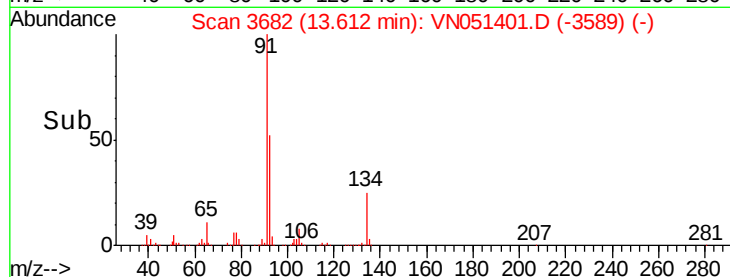
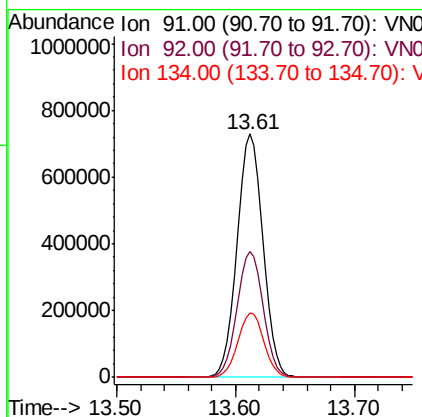
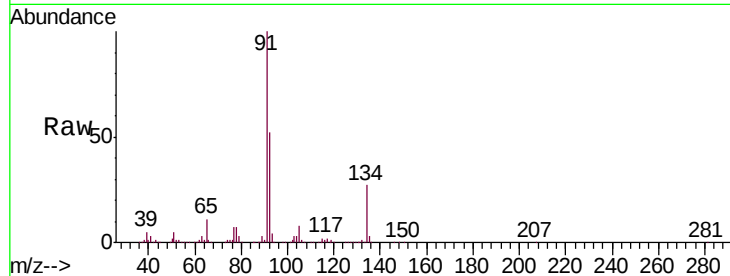
#89
n-Butylbenzene
Concen: 50.026 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1102009
Ion Ratio Lower Upper
91 100
92 52.0 25.5 76.5
134 26.5 13.3 39.8

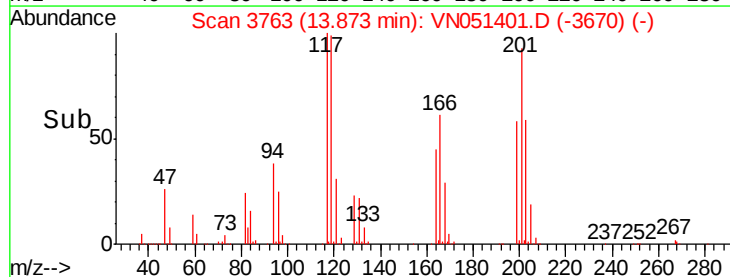
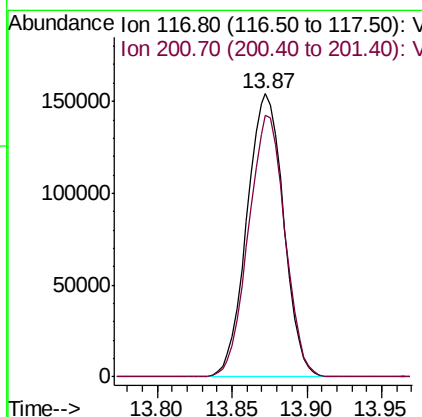
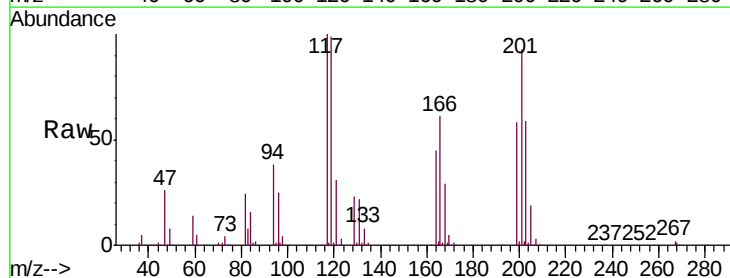
Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM



#90
Hexachloroethane
Concen: 49.348 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion: 117 Resp: 263399
Ion Ratio Lower Upper
117 100
201 91.7 45.5 136.4





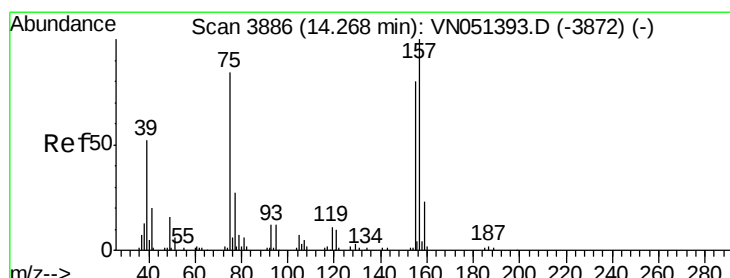
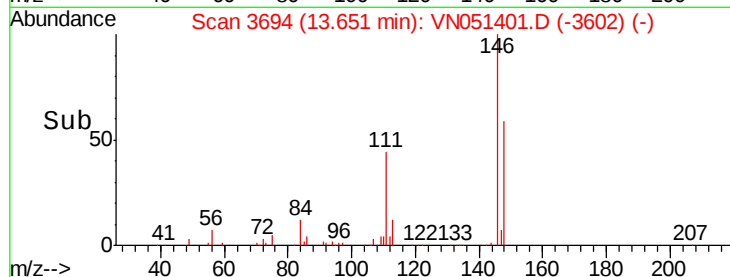
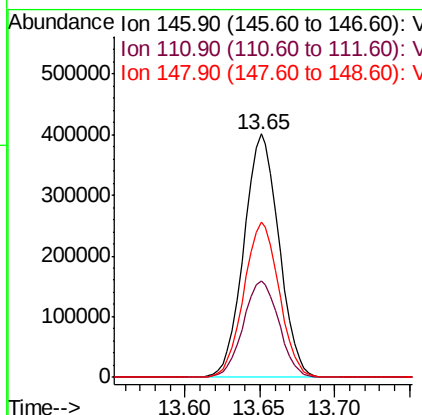
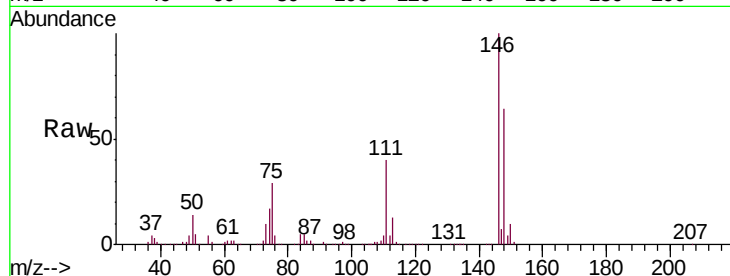
#91
 1,2-Dichlorobenzene
 Concen: 48.839 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.1	32.1	96.5

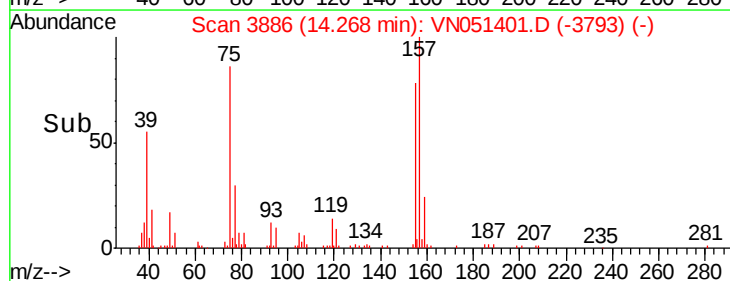
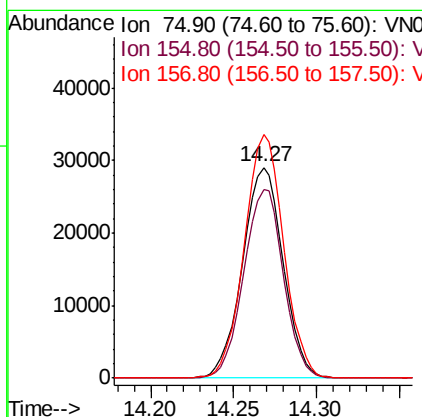
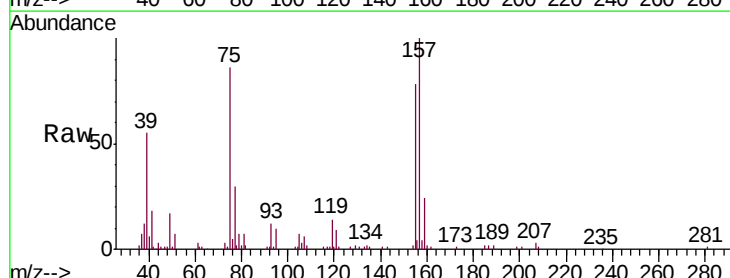
Manual Integrations
 APPROVED

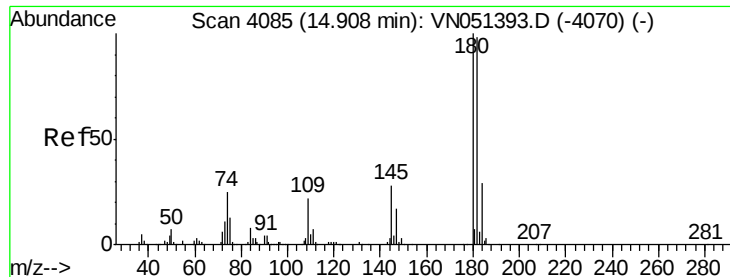
MMDadoda
 9/24/2018 2:15:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.196 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	46.9	140.6
157	112.0	58.4	175.1





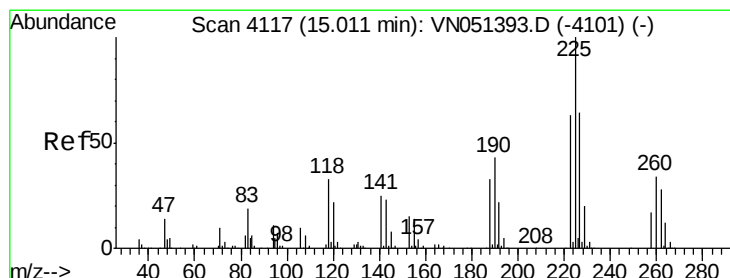
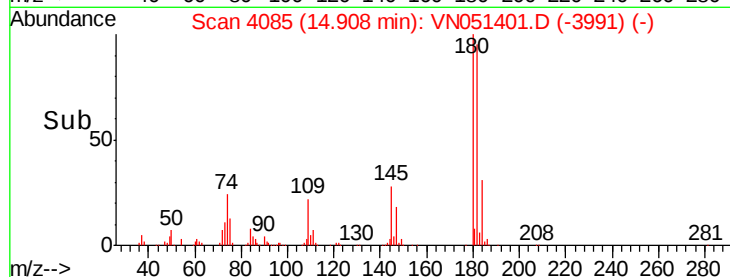
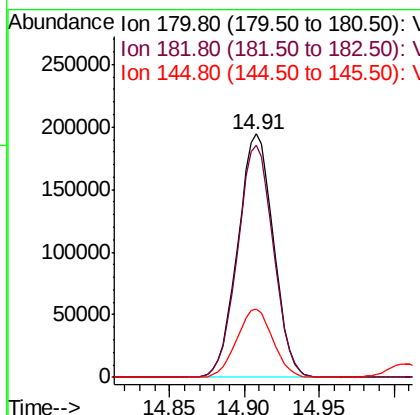
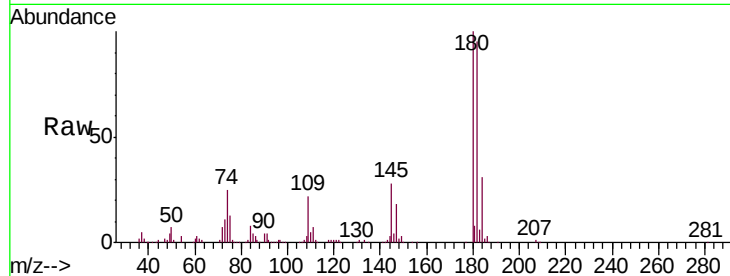
#93
 1,2,4-Trichlorobenzene
 Concen: 45.327 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	322922		
182	95.7	48.5	145.6	
145	28.2	14.1	42.4	

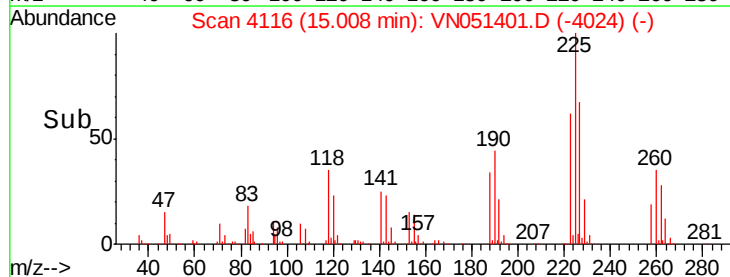
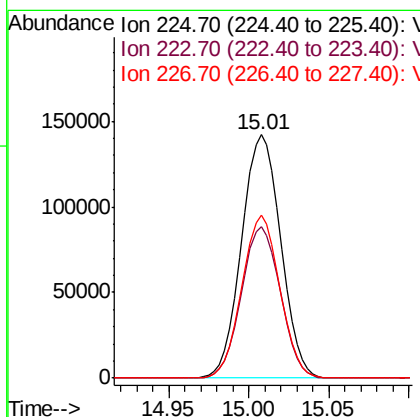
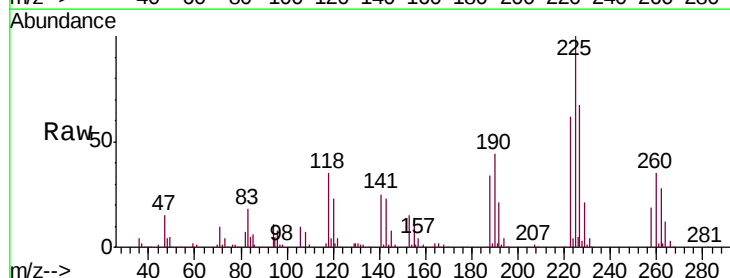
Manual Integrations
 APPROVED

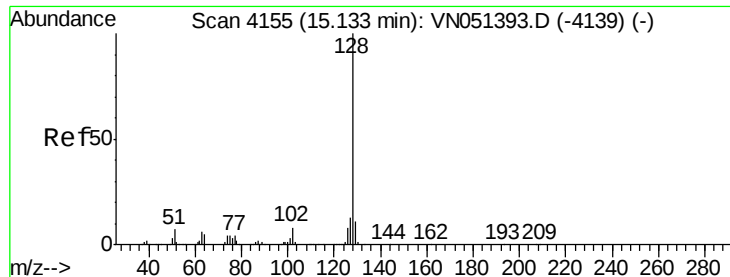
MMDadoda
 9/24/2018 2:15:25 PM



#94
 Hexachlorobutadiene
 Concen: 46.767 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051401.D
 Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	237150		
223	61.8	31.9	95.9	
227	64.8	32.5	97.5	





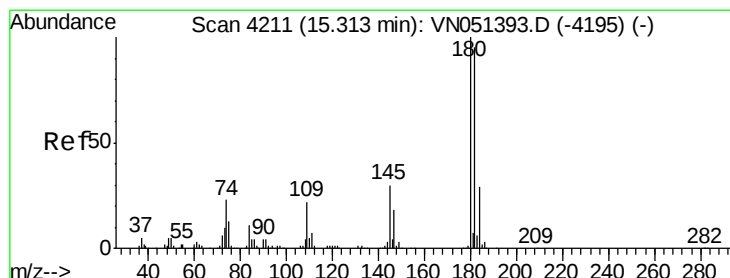
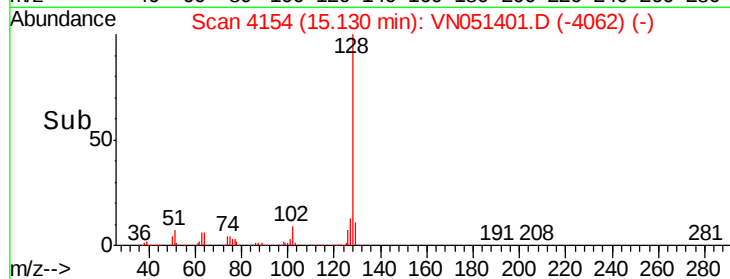
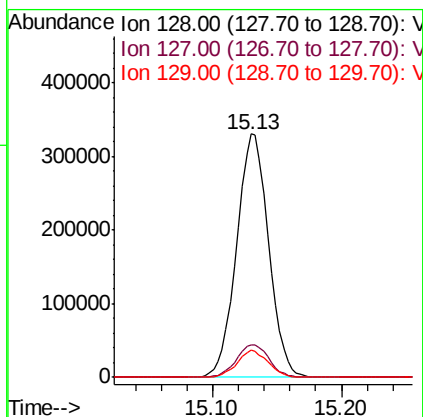
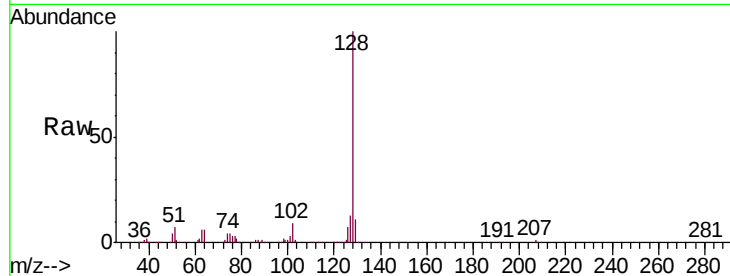
#95
Naphthalene
Concen: 42.433 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	569431		
127	13.7	10.5	15.7	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.295 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051401.D
Acq: 23 Sep 2018 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	317053		
182	96.3	47.2	141.6	
145	29.8	14.6	43.8	

