

Data File : VN051393.D
Acq On : 22 Sep 2018 13:07
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM

Quant Time: Sep 24 05:48:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	587855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	811103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	731056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	384057	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	341533	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	7.59	113	307734	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.09	98	1162636	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.40	95	376438	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	250335	45.645	ug/l	100
3) Chloromethane	2.06	50	398308	45.622	ug/l	100
4) Vinyl Chloride	2.19	62	440857	45.751	ug/l	100
5) Bromomethane	2.56	94	276691	47.918	ug/l	100
6) Chloroethane	2.70	64	286738	47.755	ug/l	100
7) Trichlorofluoromethane	3.01	101	615101	48.734	ug/l	100
8) Diethyl Ether	3.41	74	221411	56.346	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	390879	54.874	ug/l	100
10) Methyl Iodide	3.95	142	527636	55.728	ug/l	100
11) Tert butyl alcohol	4.79	59	111860	269.491	ug/l	100
12) 1,1-Dichloroethene	3.74	96	349116	53.377	ug/l	100
13) Acrolein	3.61	56	119352	289.202	ug/l	100
14) Allyl chloride	4.32	41	630191	57.428	ug/l	100
15) Acrylonitrile	4.99	53	638871	282.585	ug/l	100
16) Acetone	3.82	43	481408	298.879	ug/l	100
17) Carbon Disulfide	4.05	76	1067756	55.567	ug/l	100
18) Methyl Acetate	4.33	43	319521	56.972	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	894023	53.007	ug/l	100
20) Methylene Chloride	4.55	84	412667	56.631	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	355402	53.117	ug/l	100
22) Diisopropyl ether	5.95	45	1030022	48.559	ug/l	100
23) Vinyl Acetate	5.90	43	3374747	242.334	ug/l	100
24) 1,1-Dichloroethane	5.85	63	599391	47.359	ug/l	100
25) 2-Butanone	6.84	43	585916	232.461	ug/l	100
26) 2,2-Dichloropropane	6.83	77	461819	46.746	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	352781	48.053	ug/l	100
28) Bromochloromethane	7.20	49	282252	48.293	ug/l	100
29) Tetrahydrofuran	7.21	42	387918	242.864	ug/l	100
30) Chloroform	7.37	83	600831	47.911	ug/l	100
31) Cyclohexane	7.66	56	543121	46.839	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	511620	47.721	ug/l	100
36) 1,1-Dichloropropene	7.79	75	451383	48.057	ug/l	100
37) Ethyl Acetate	6.93	43	264607	48.997	ug/l	100
38) Carbon Tetrachloride	7.78	117	480661	48.925	ug/l	100

Data File : VN051393.D
Acq On : 22 Sep 2018 13:07
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM

Quant Time: Sep 24 05:48:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	540915	49.263	ug/l	100
40) Benzene	8.04	78	1356320	49.179	ug/l	100
41) Methacrylonitrile	7.17	41	139287	46.619	ug/l	100
42) 1,2-Dichloroethane	8.12	62	423155	47.918	ug/l	100
43) Isopropyl Acetate	8.17	43	465946	47.713	ug/l	100
44) Trichloroethene	8.84	130	354683	48.419	ug/l	100
45) 1,2-Dichloropropane	9.12	63	367968	49.083	ug/l	100
46) Dibromomethane	9.21	93	205798	48.584	ug/l	100
47) Bromodichloromethane	9.40	83	458429	48.905	ug/l	100
48) Methyl methacrylate	9.20	41	235759	48.423	ug/l	100
49) 1,4-Dioxane	9.20	88	58393	978.612	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1296958	241.489	ug/l	100
52) Toluene	10.16	92	826383	48.215	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	454345	48.009	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	534801	48.729	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	296825	49.003	ug/l	100
56) Ethyl methacrylate	10.43	69	367166	49.578	ug/l	100
57) 1,3-Dichloropropane	10.71	76	507300	48.862	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	920112	231.240	ug/l	100
59) 2-Hexanone	10.75	43	845462	242.837	ug/l	100
60) Dibromochloromethane	10.90	129	348902	48.819	ug/l	100
61) 1,2-Dibromoethane	11.00	107	280263	47.662	ug/l	100
64) Tetrachloroethene	10.63	164	323096	48.698	ug/l	100
65) Chlorobenzene	11.43	112	898868	47.923	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	343254	48.034	ug/l	100
67) Ethyl Benzene	11.51	91	1559168	49.325	ug/l	100
68) m/p-Xylenes	11.62	106	1222349	99.972	ug/l	100
69) o-Xylene	11.95	106	582802	49.582	ug/l	100
70) Styrene	11.96	104	933077	50.096	ug/l	100
71) Bromoform	12.13	173	233325	48.119	ug/l	100
73) Isopropylbenzene	12.25	105	1561793	48.197	ug/l	100
74) N-amyl acetate	12.07	43	387346	47.642	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	352360	46.631	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	309466m	49.952	ug/l	
77) Bromobenzene	12.53	156	383801	46.787	ug/l	100
78) n-propylbenzene	12.59	91	1778486	48.698	ug/l	100
79) 2-Chlorotoluene	12.67	91	1036655	47.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1293932	48.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98366	47.442	ug/l	100
82) 4-Chlorotoluene	12.77	91	1040127	47.671	ug/l	100
83) tert-Butylbenzene	12.99	119	1130636	48.075	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1309431	49.180	ug/l	100
85) sec-Butylbenzene	13.17	105	1535984	48.276	ug/l	100
86) p-Isopropyltoluene	13.29	119	1347941	48.962	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	673944	47.475	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	658987	48.246	ug/l	100
89) n-Butylbenzene	13.61	91	1117162	49.347	ug/l	100
90) Hexachloroethane	13.87	117	255134	46.512	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	657437	47.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50589	46.912	ug/l	100

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

Data File : VN051393.D
Acq On : 22 Sep 2018 13:07
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM

Quant Time: Sep 24 05:48:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	334498	45.639	ug/l	100
94) Hexachlorobutadiene	15.01	225	246179	47.239	ug/l	100
95) Naphthalene	15.13	128	613253	44.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	329326	49.823	ug/l	100

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

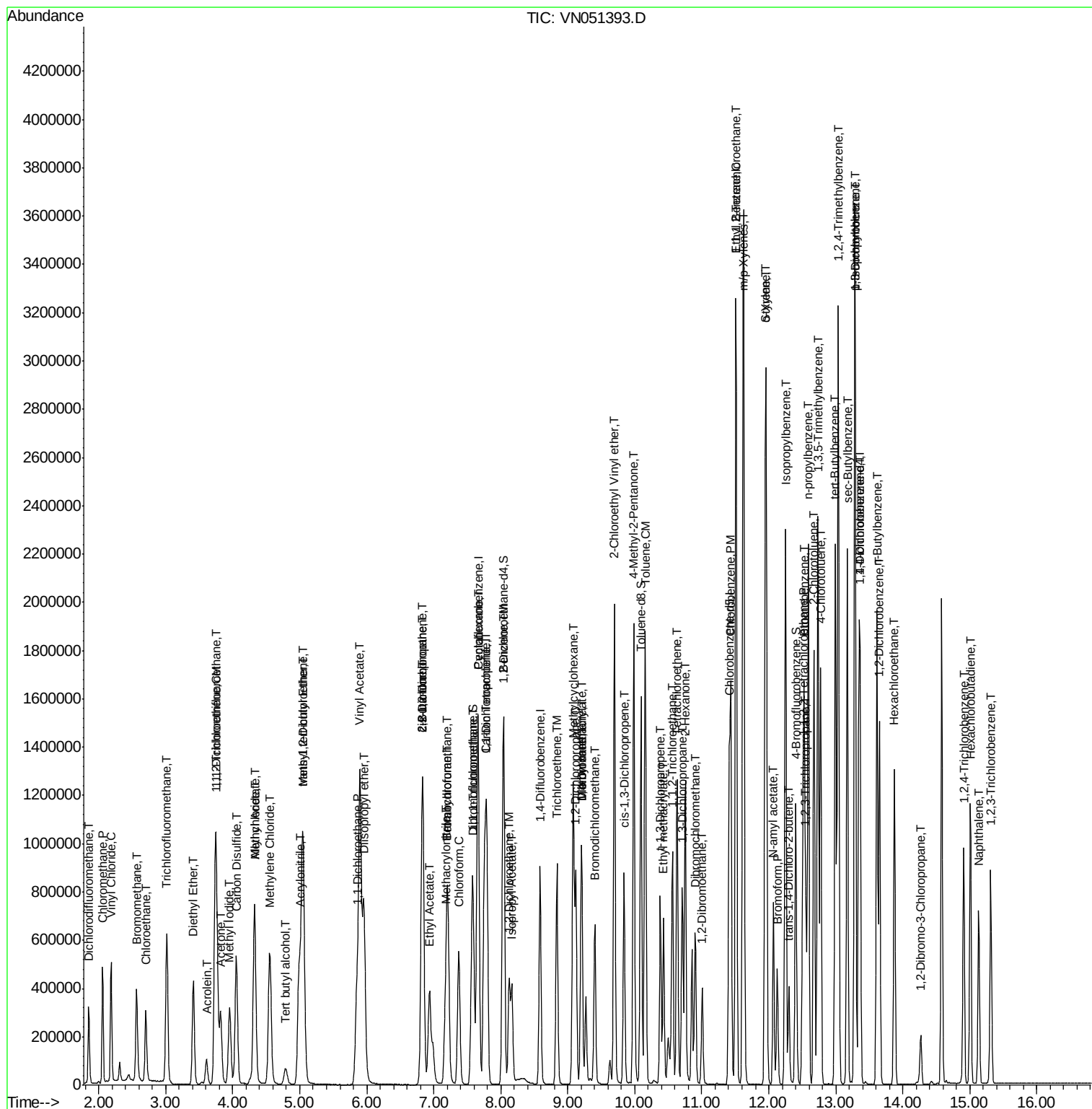
Data File : VN051393.D
Acq On : 22 Sep 2018 13:07
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

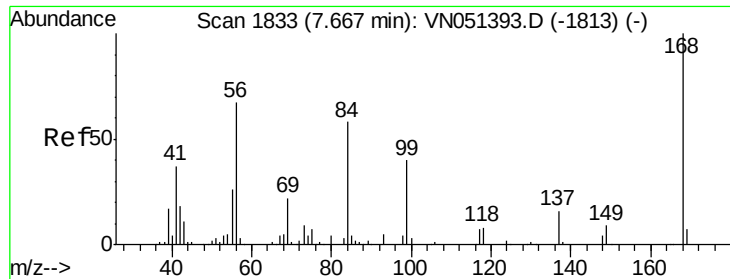
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM

Quant Time: Sep 24 05:48:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:168 Resp: 587855

Ion Ratio Lower Upper

168 100

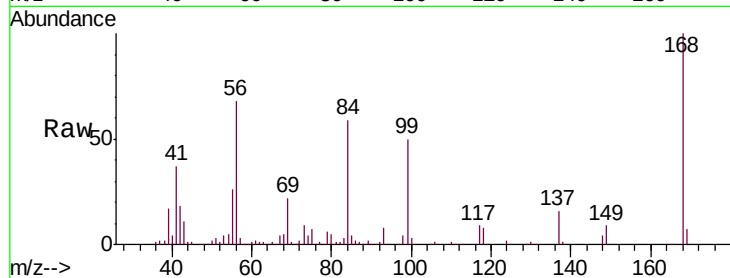
99 50.2 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

250000

200000

150000

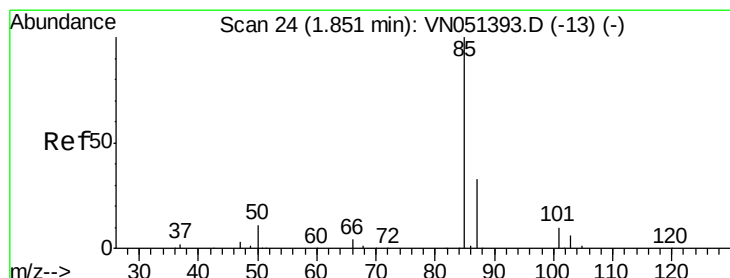
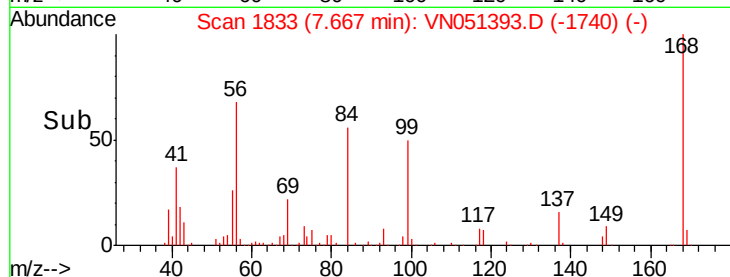
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 45.645 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051393.D

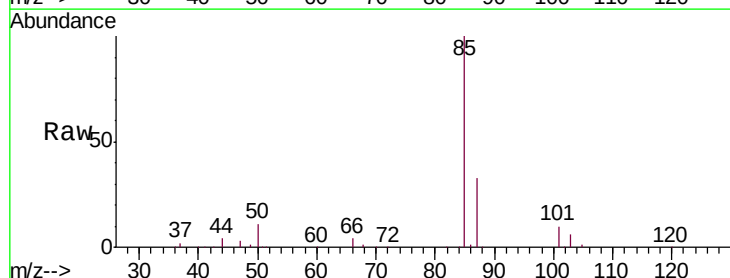
Acq: 22 Sep 2018 13:07

Tgt Ion: 85 Resp: 250335

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

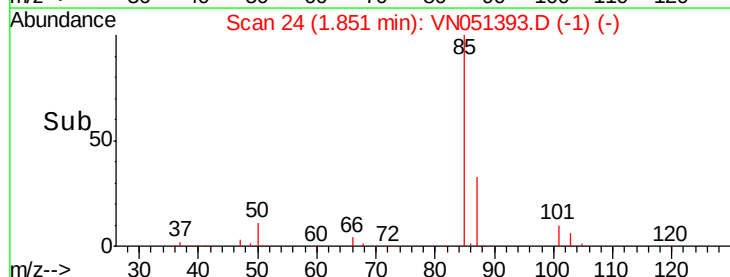
100000

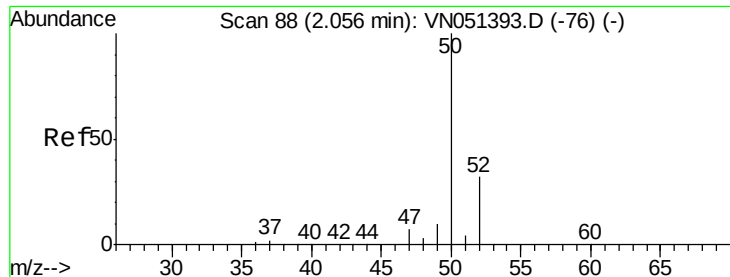
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.622 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 398308

Ion Ratio Lower Upper

50 100

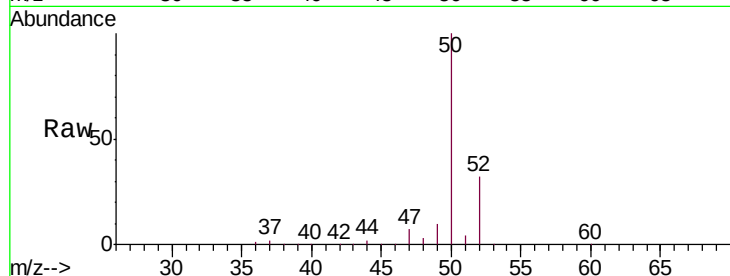
52 32.1 25.7 38.5

Manual Integrations

APPROVED

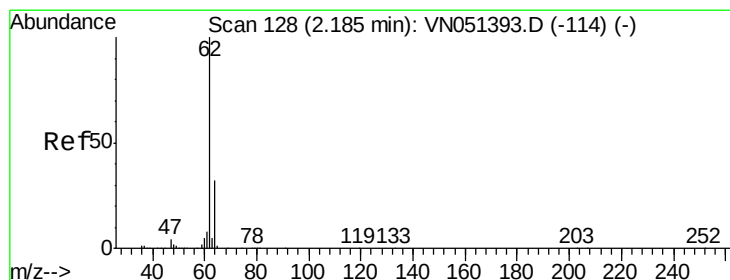
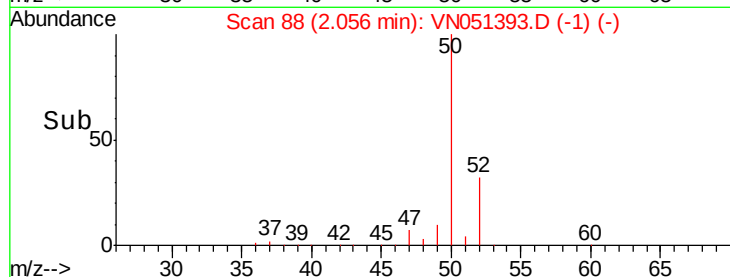
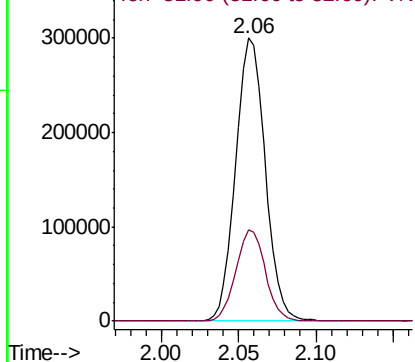
MMDadoda

9/24/2018 2:15:19 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.751 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051393.D

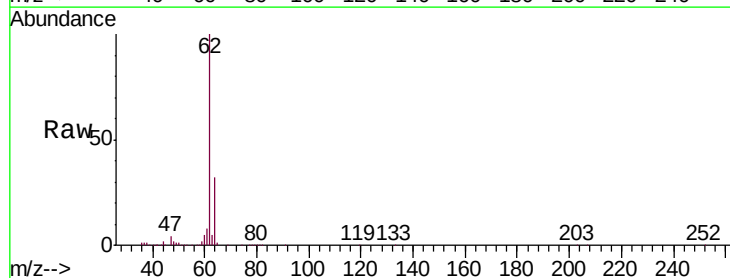
Acq: 22 Sep 2018 13:07

Tgt Ion: 62 Resp: 440857

Ion Ratio Lower Upper

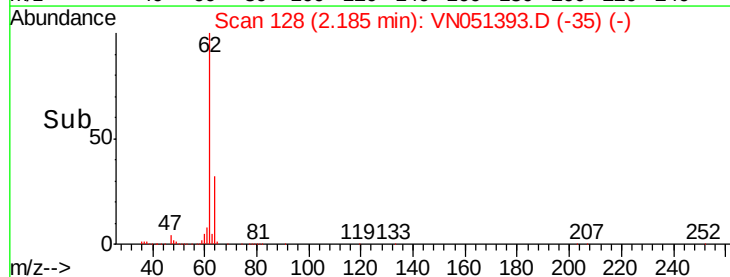
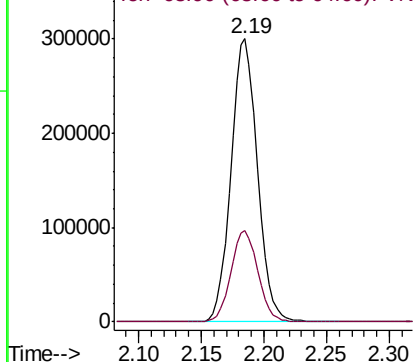
62 100

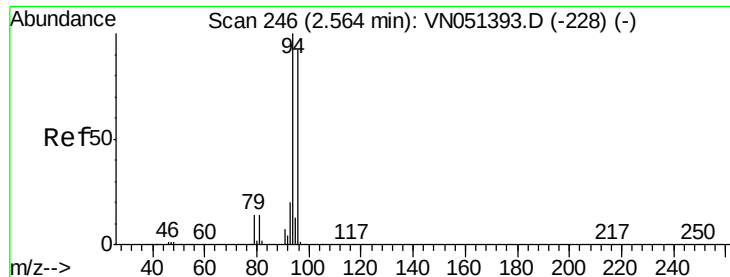
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.918 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 276691

Ion Ratio Lower Upper

94 100

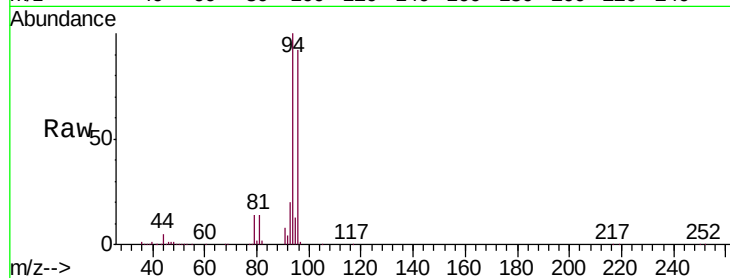
96 92.0 73.6 110.4

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

100000

50000

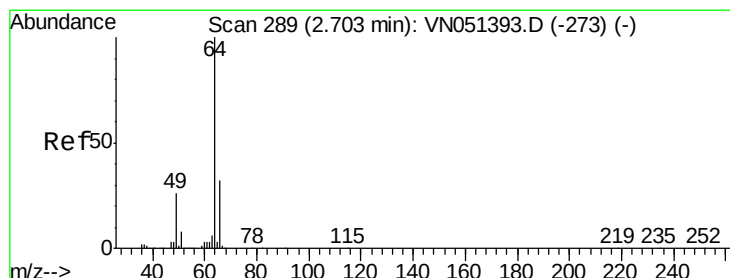
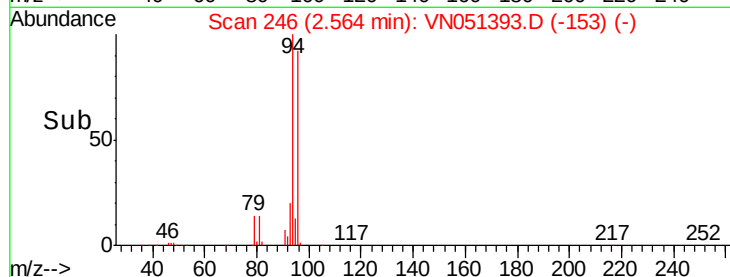
0

2.56

2.50

2.60

Time-->



#6

Chloroethane

Concen: 47.755 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051393.D

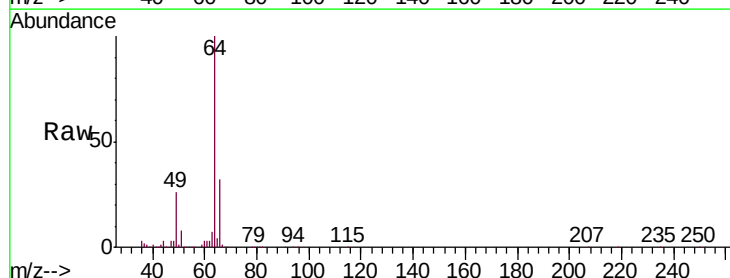
Acq: 22 Sep 2018 13:07

Tgt Ion: 64 Resp: 286738

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

100000

50000

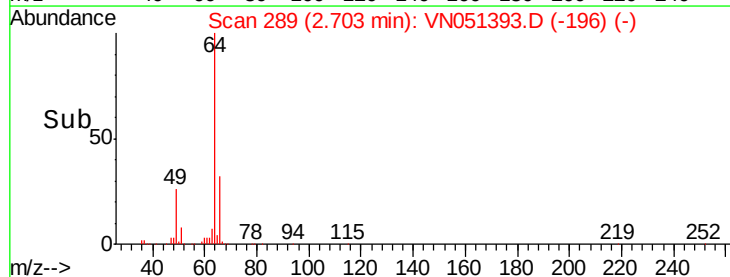
0

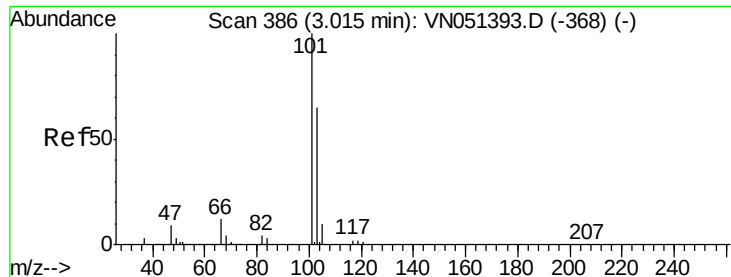
2.70

2.60

2.80

Time-->





#7

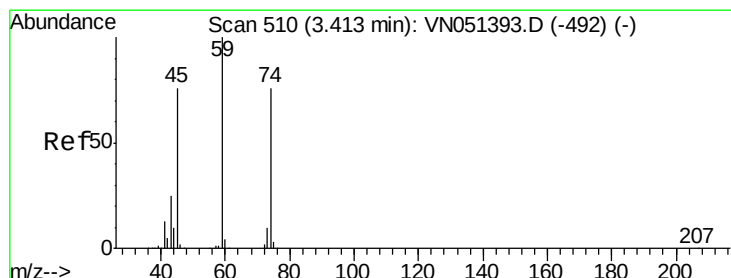
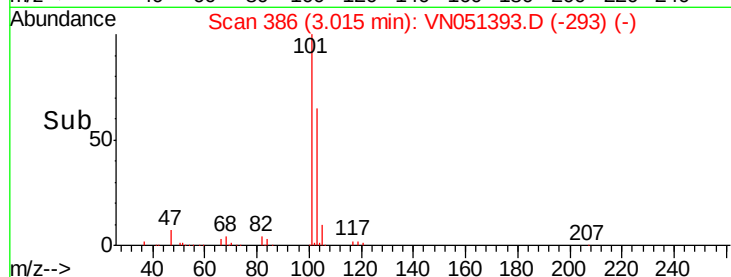
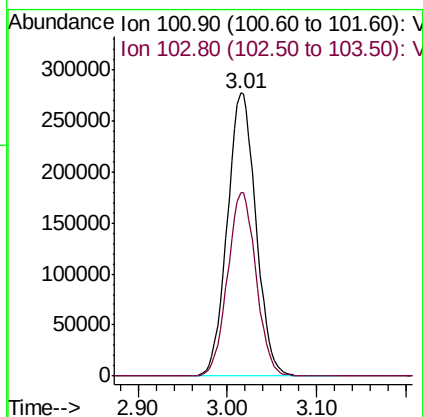
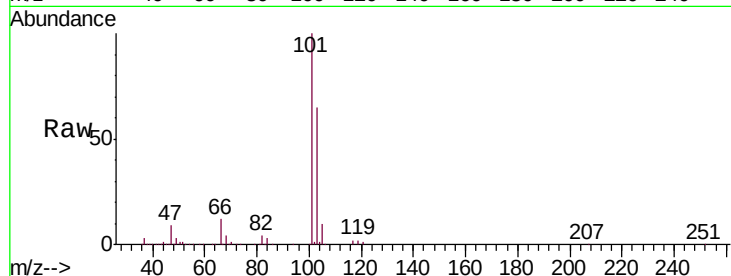
Trichlorofluoromethane
 Concen: 48.734 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

Manual Integrations
 APPROVED

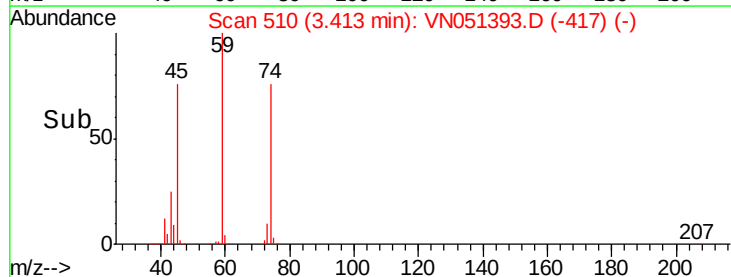
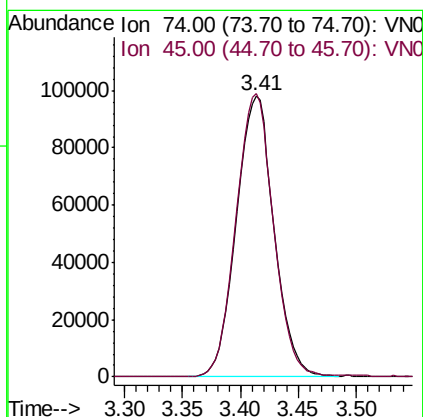
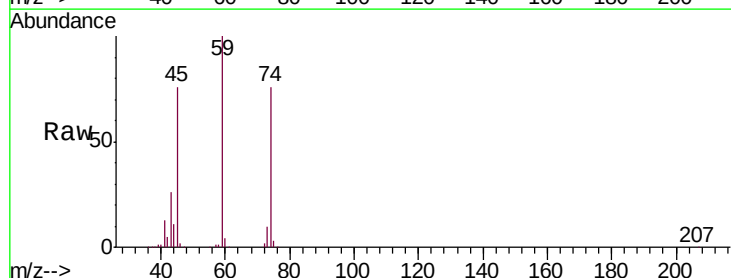
MMDadoda
 9/24/2018 2:15:19 PM

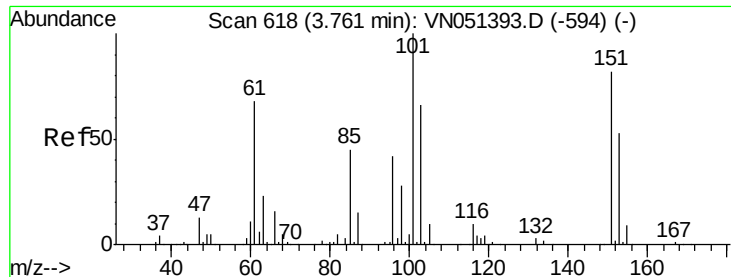


#8

Diethyl Ether
 Concen: 56.346 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	50.2	150.7





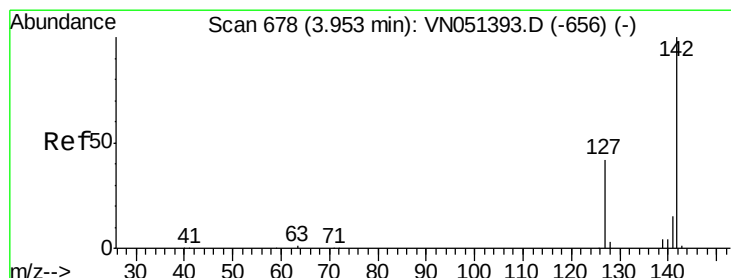
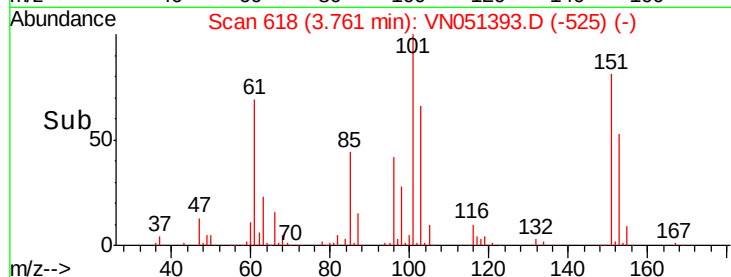
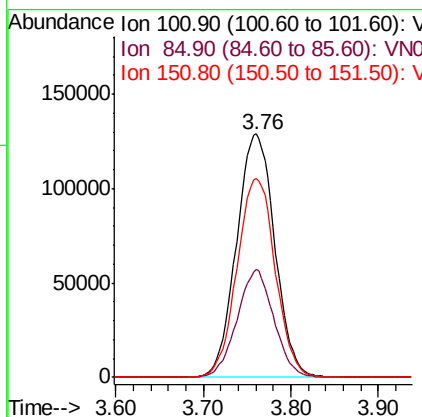
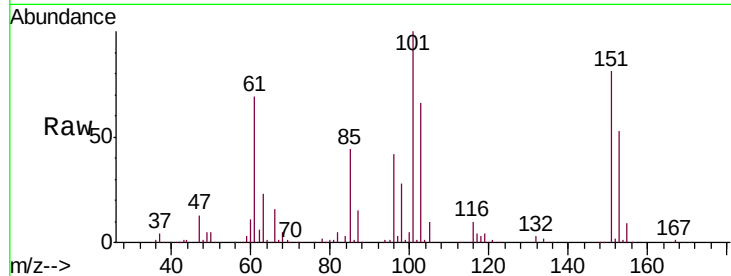
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.874 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	390879		
85	42.4	33.9	50.9	
151	81.5	65.2	97.8	

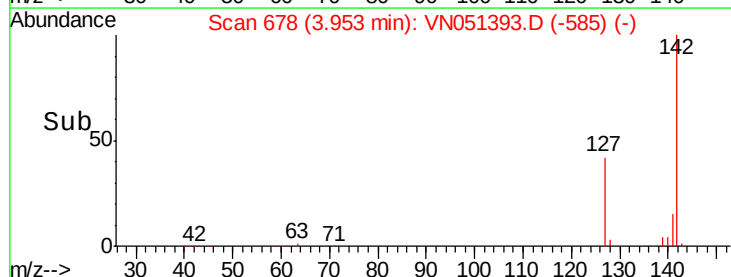
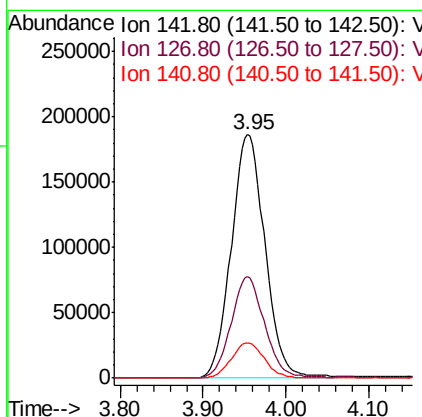
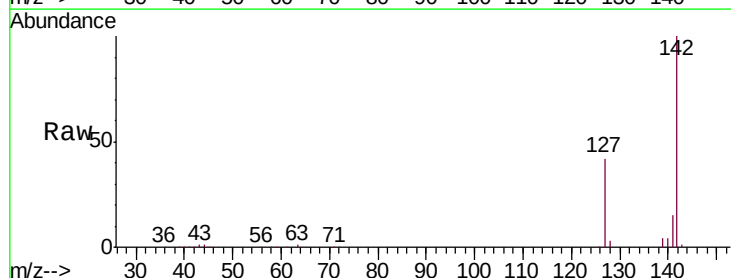
Manual Integrations
 APPROVED

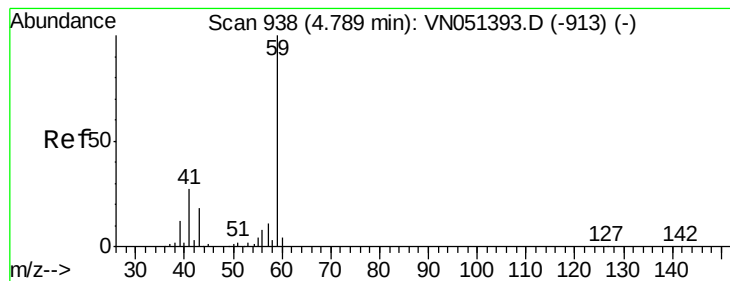
MMDadoda
 9/24/2018 2:15:19 PM



#10
 Methyl Iodide
 Concen: 55.728 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	527636		
127	41.5	33.2	49.8	
141	14.4	11.5	17.3	





#11

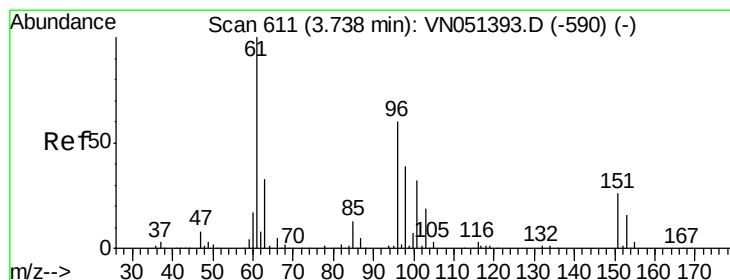
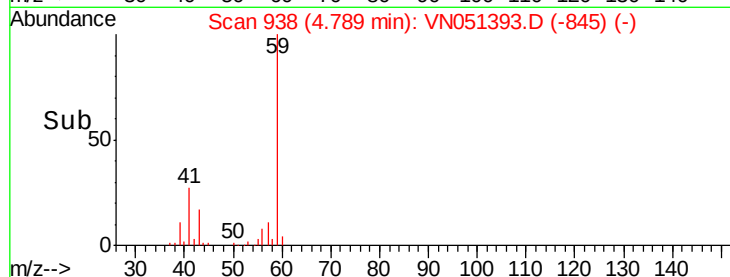
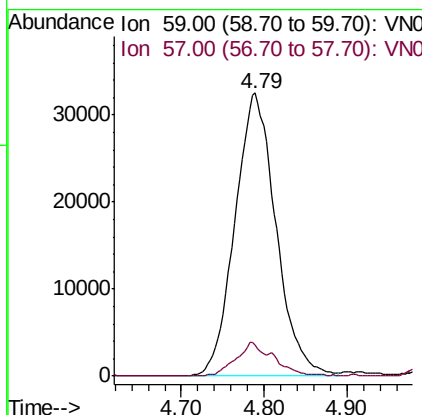
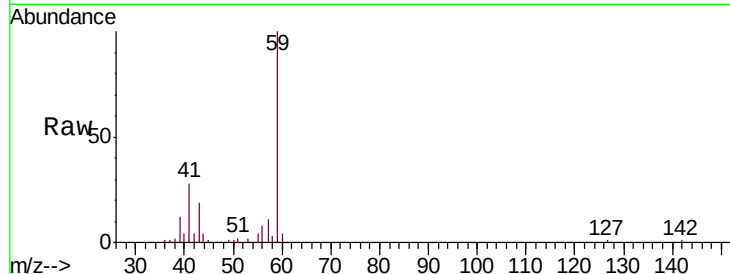
Tert butyl alcohol
 Concen: 269.491 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.7	6.2	9.2

Manual Integrations
 APPROVED

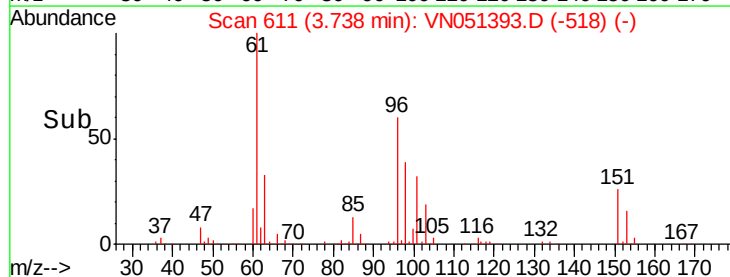
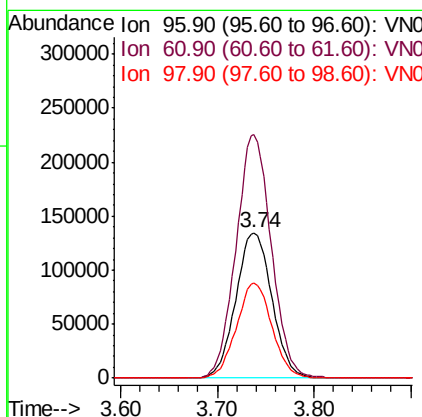
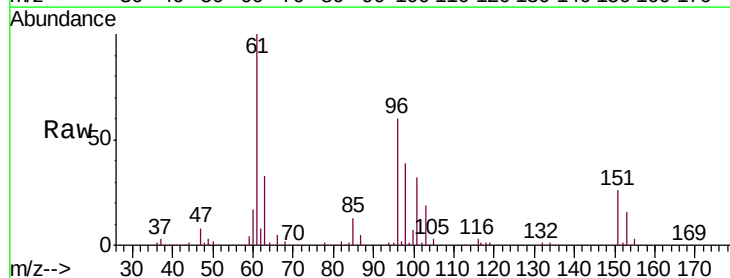
MMDadoda
 9/24/2018 2:15:19 PM

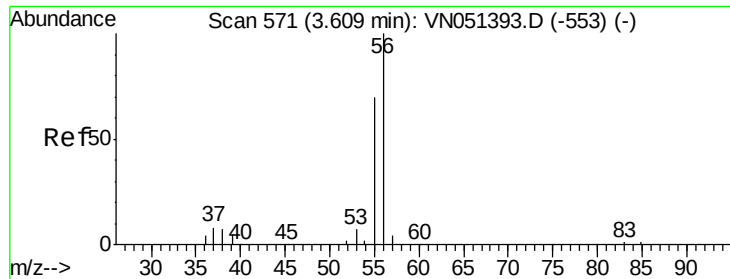


#12

1,1-Dichloroethene
 Concen: 53.377 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	133.6	200.4
98	65.2	52.2	78.2





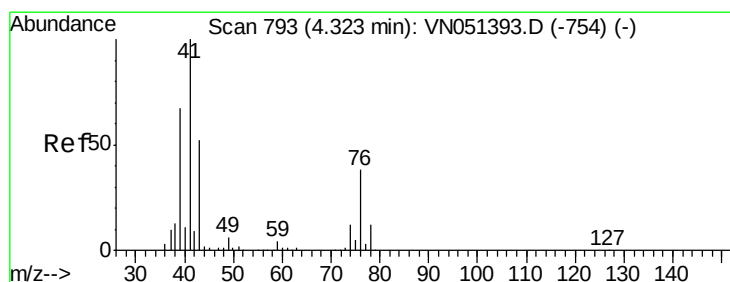
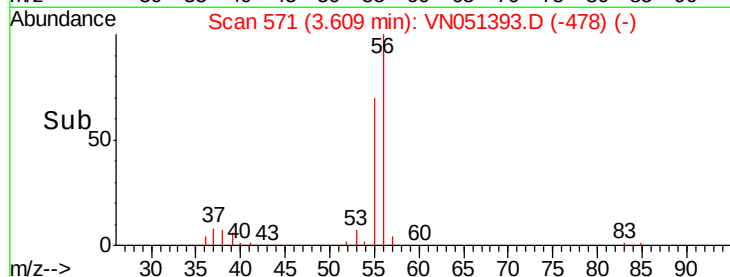
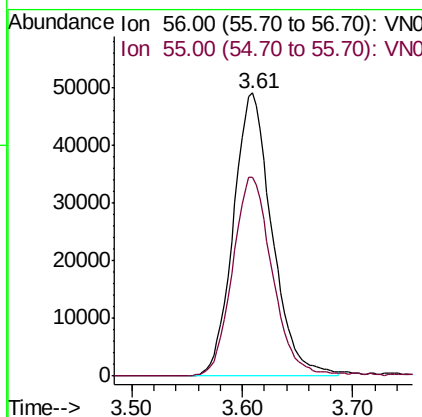
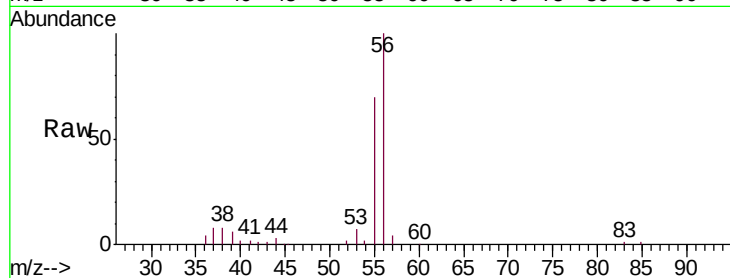
#13
Acrolein
Concen: 289.202 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion: 56 Resp: 119352
Ion Ratio Lower Upper
56 100
55 72.3 57.8 86.8

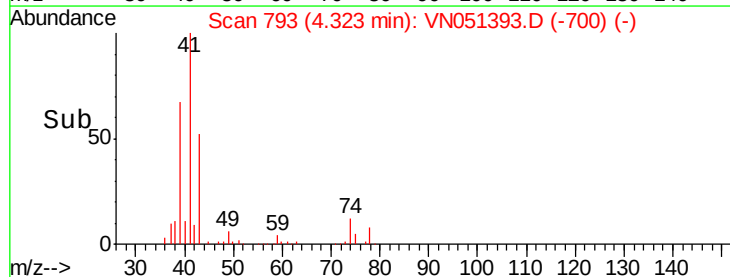
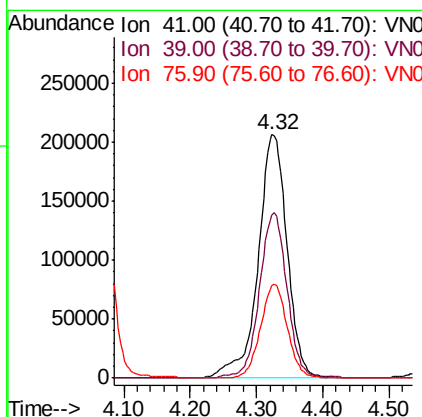
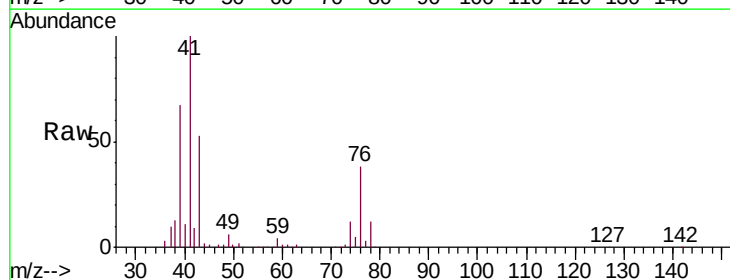
Manual Integrations
APPROVED

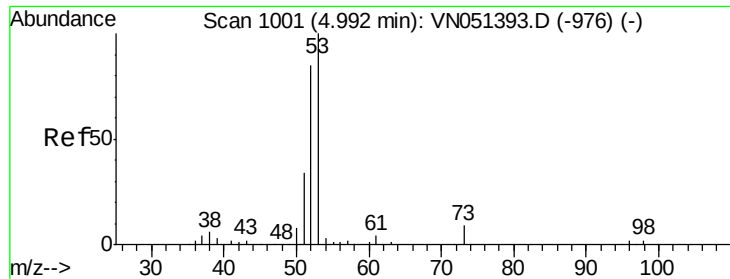
MMDadoda
9/24/2018 2:15:19 PM



#14
Allyl chloride
Concen: 57.428 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 41 Resp: 630191
Ion Ratio Lower Upper
41 100
39 64.3 51.4 77.2
76 35.1 28.1 42.1





#15

Acrylonitrile

Concen: 282.585 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

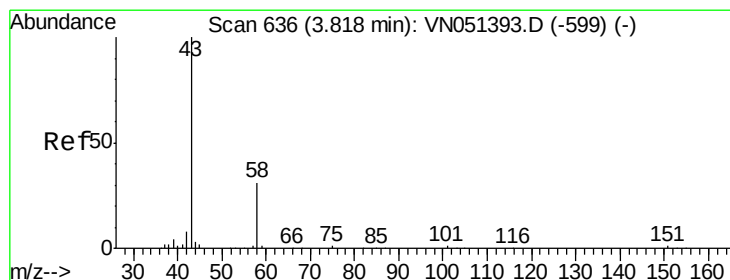
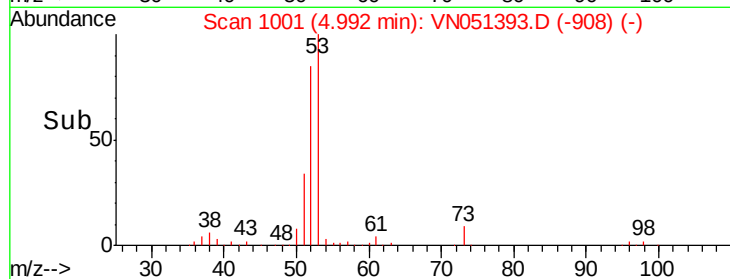
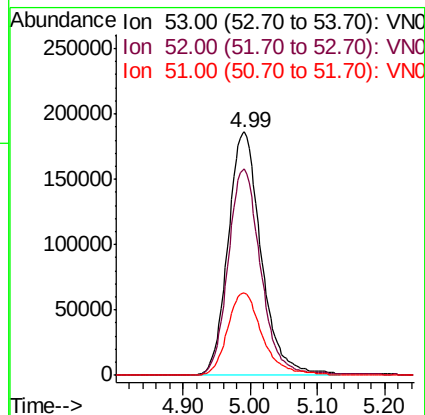
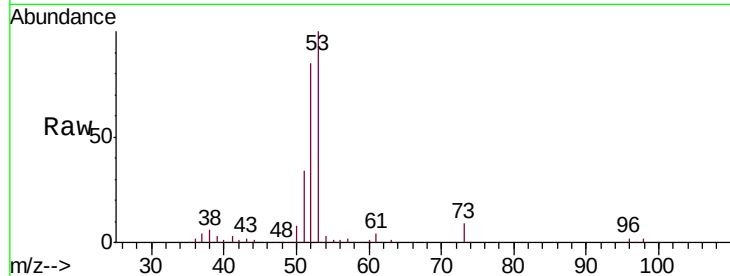
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	638871
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.7	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#16

Acetone

Concen: 298.879 ug/l

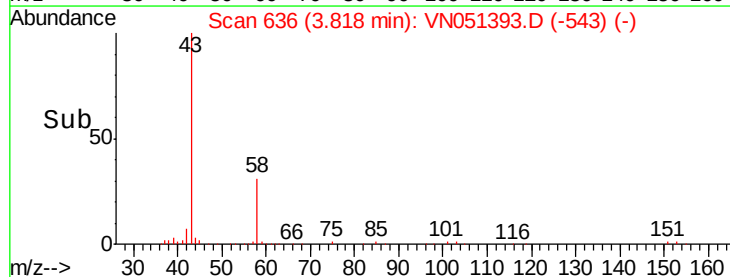
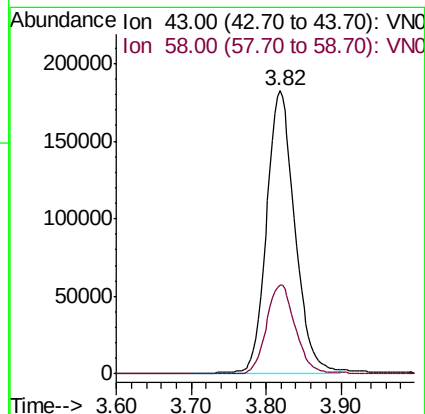
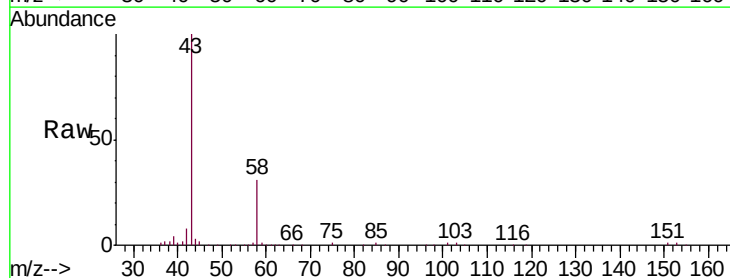
RT: 3.82 min Scan# 636

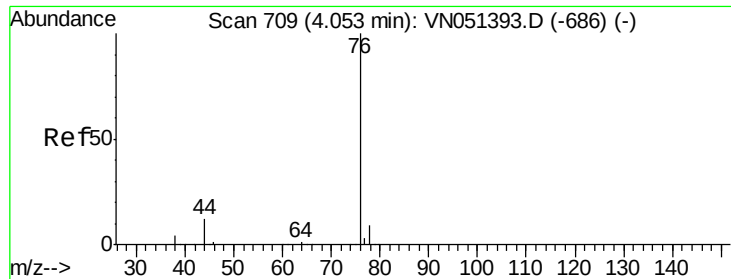
Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion:	43	Resp:	481408
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.0	37.4





#17

Carbon Disulfide

Concen: 55.567 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 1067756

Ion Ratio Lower Upper

76 100

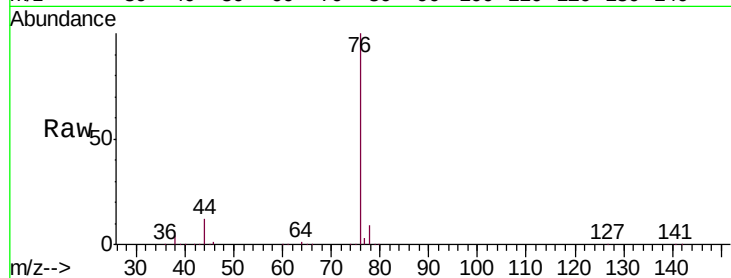
78 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

400000

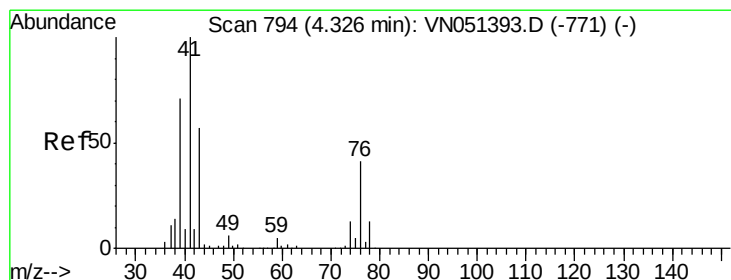
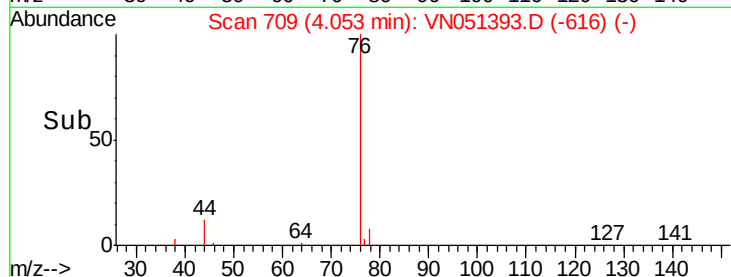
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 56.972 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051393.D

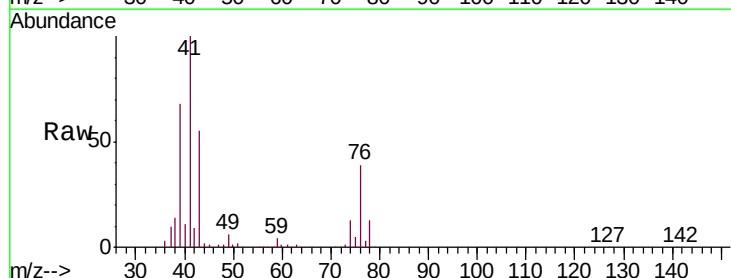
Acq: 22 Sep 2018 13:07

Tgt Ion: 43 Resp: 319521

Ion Ratio Lower Upper

43 100

74 23.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

120000

100000

80000

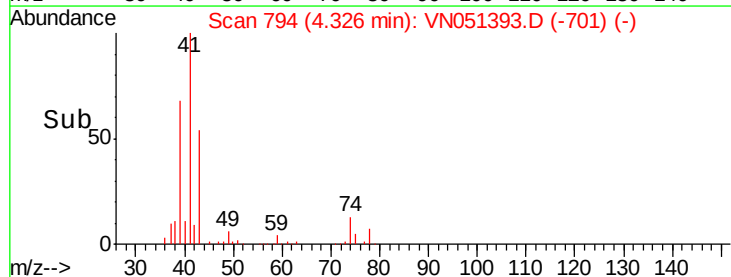
60000

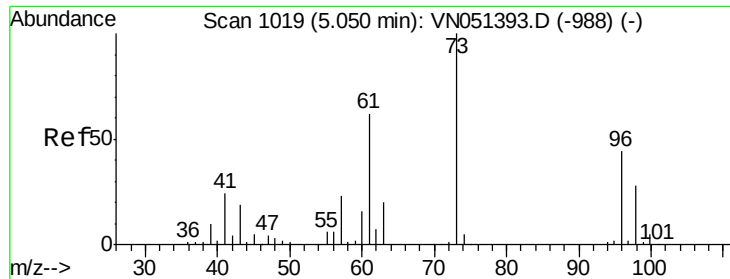
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





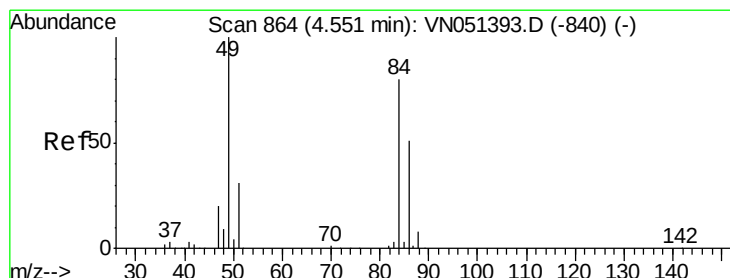
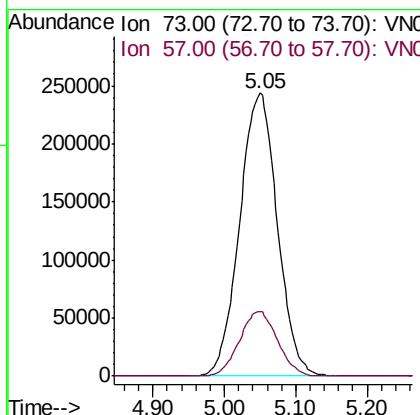
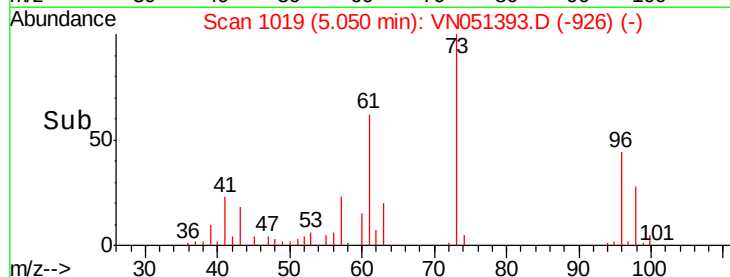
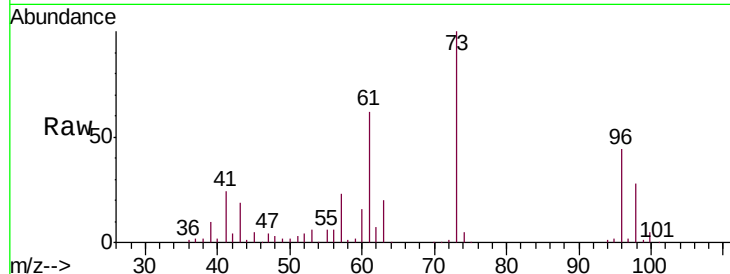
#19
Methyl tert-butyl Ether
Concen: 53.007 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion: 73 Resp: 894023
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

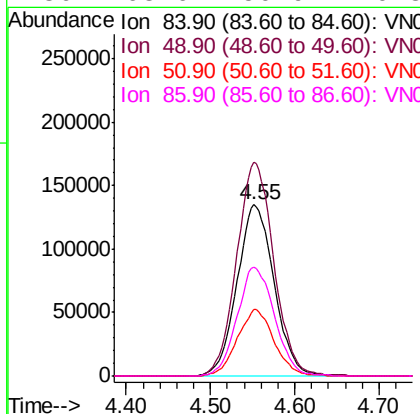
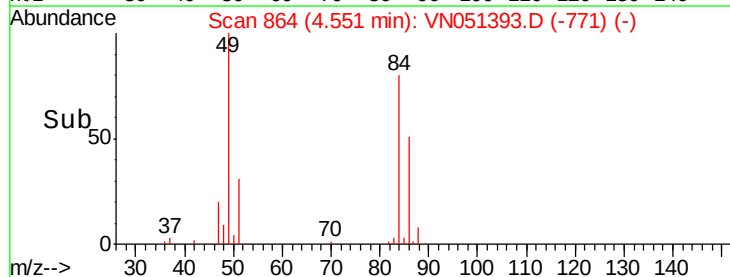
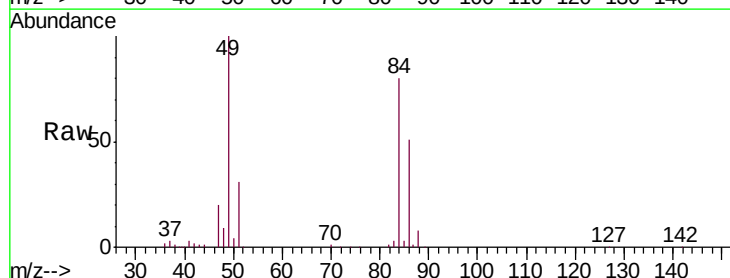
Manual Integrations
APPROVED

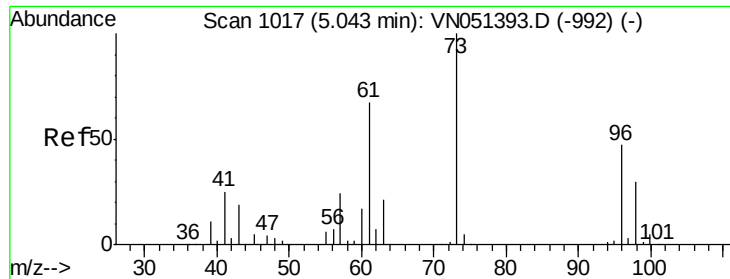
MMDadoda
9/24/2018 2:15:19 PM



#20
Methylene Chloride
Concen: 56.631 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 84 Resp: 412667
Ion Ratio Lower Upper
84 100
49 124.9 99.9 149.9
51 39.3 31.4 47.2
86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 53.117 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 355402

Ion Ratio Lower Upper

96 100

61 141.8 113.4 170.2

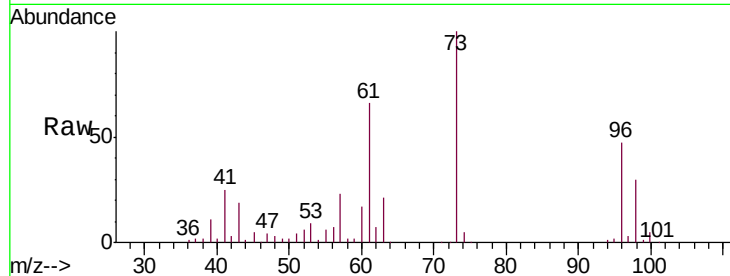
98 63.9 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

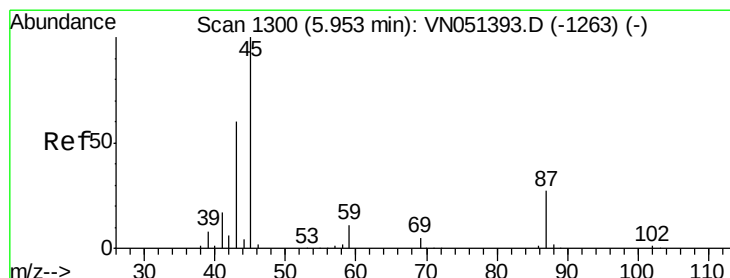
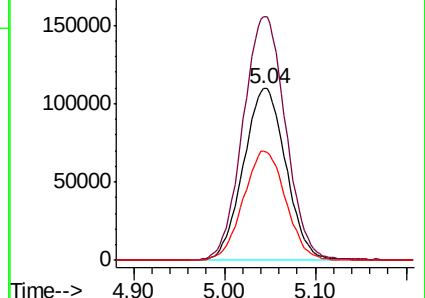
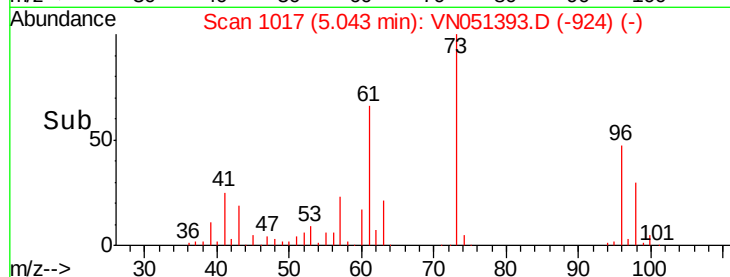
9/24/2018 2:15:19 PM



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 48.559 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion: 45 Resp: 1030022

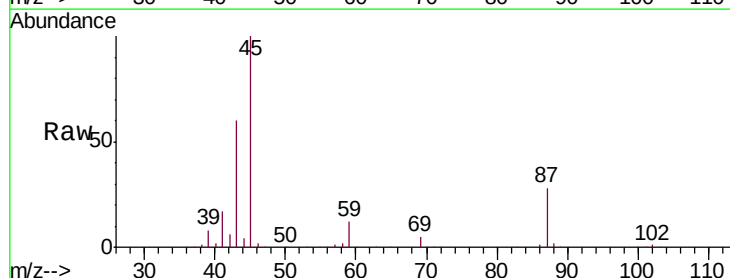
Ion Ratio Lower Upper

45 100

43 59.6 47.7 71.5

87 27.5 22.0 33.0

59 11.6 9.3 13.9

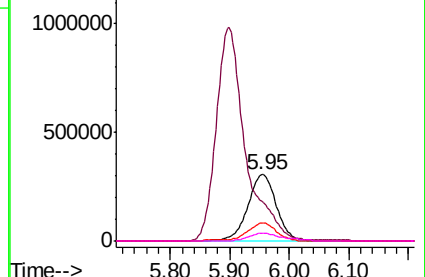
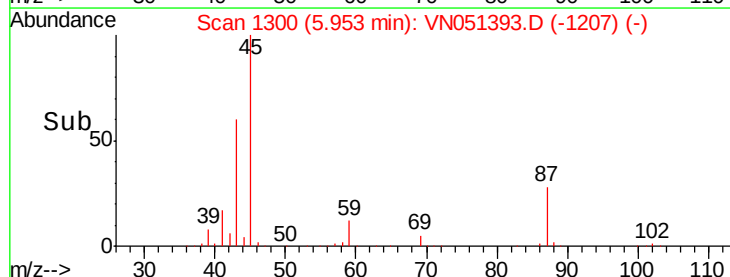


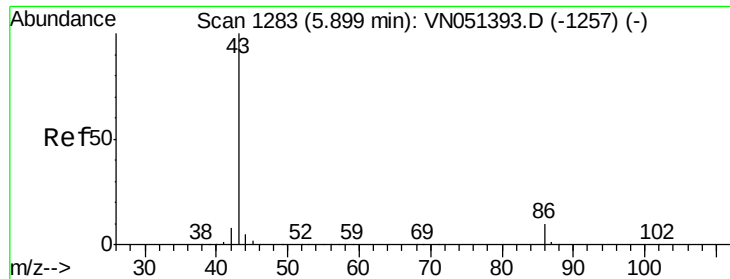
Abundance Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 242.334 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 43 Resp: 3374747

Ion Ratio Lower Upper

43 100

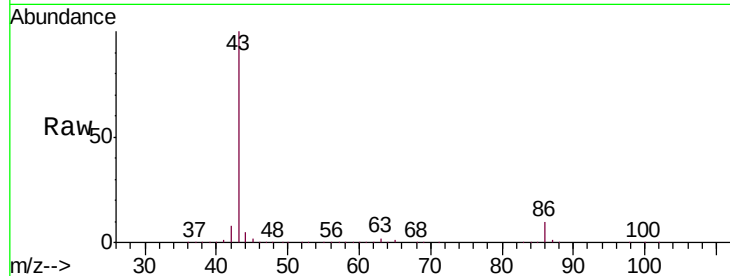
86 10.2 8.2 12.2

Manual Integrations

APPROVED

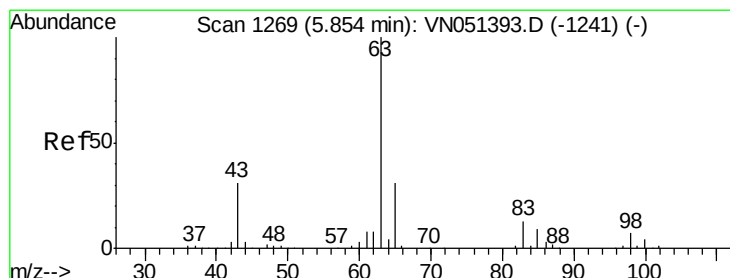
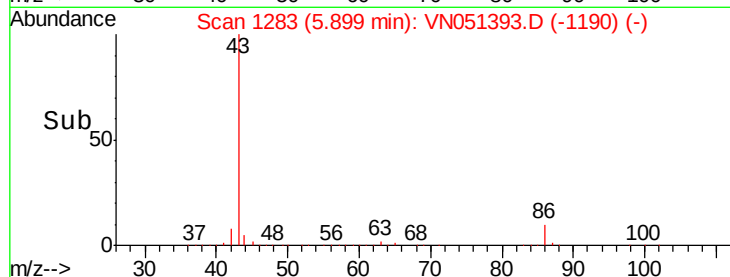
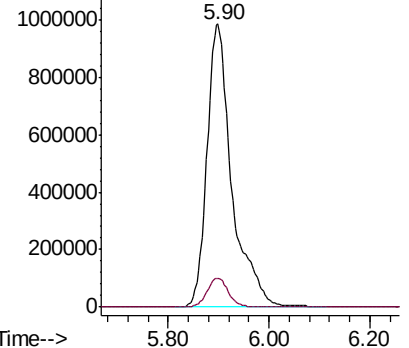
MMDadoda

9/24/2018 2:15:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 47.359 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

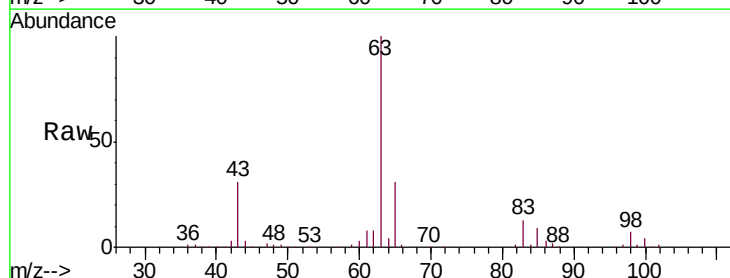
Tgt Ion: 63 Resp: 599391

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

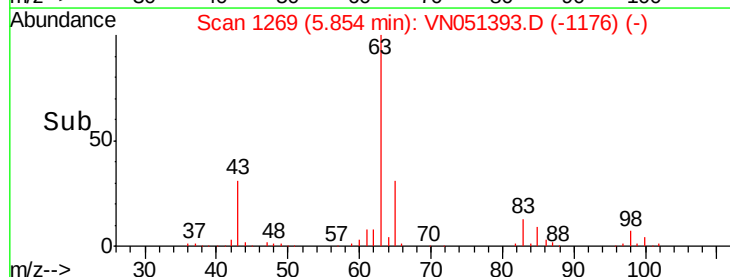
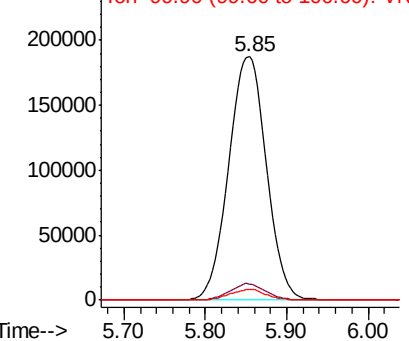
100 4.4 2.2 6.6

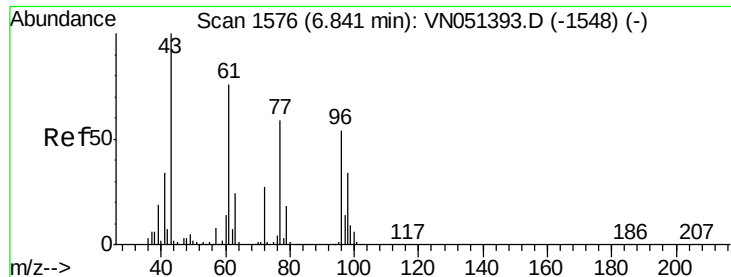


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





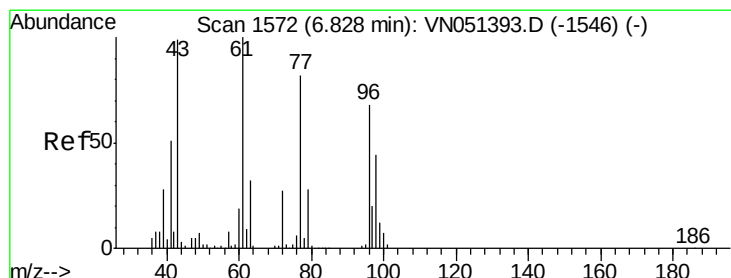
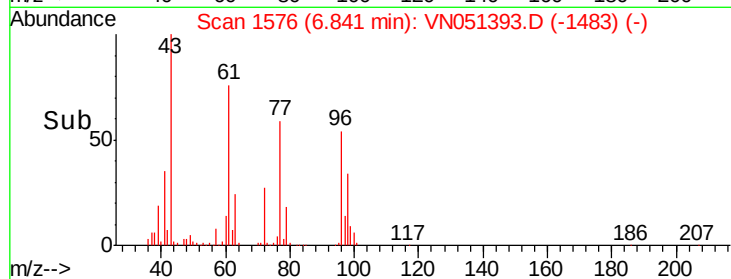
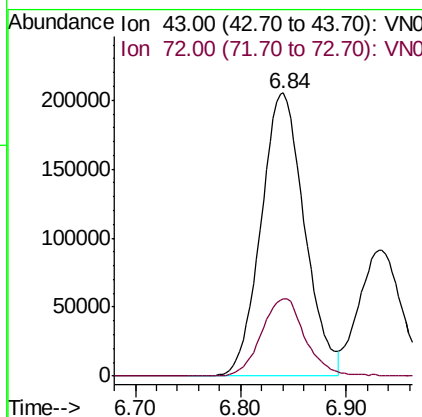
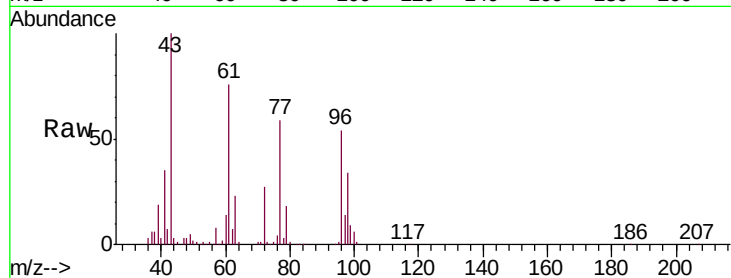
#25
2-Butanone
Concen: 232.461 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion: 43 Resp: 585916
Ion Ratio Lower Upper
43 100
72 27.2 21.8 32.6

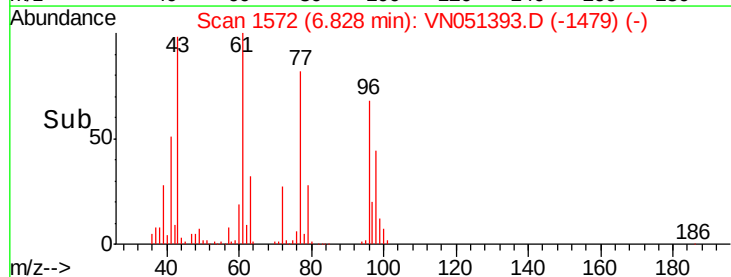
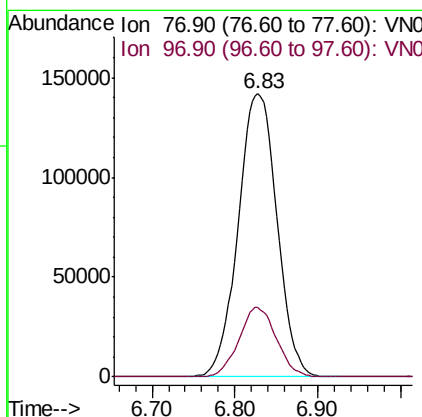
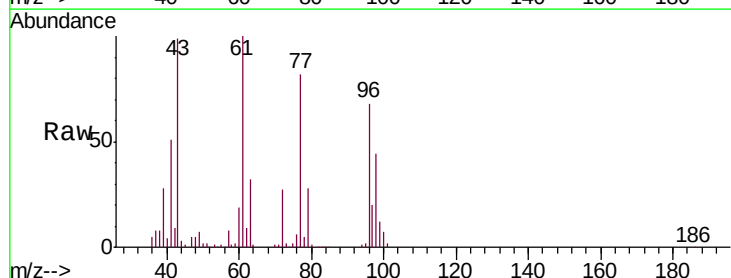
Manual Integrations
APPROVED

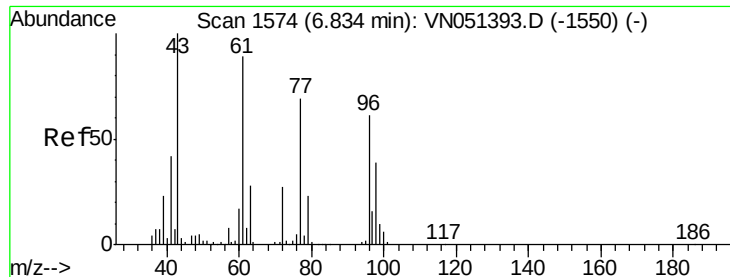
MMDadoda
9/24/2018 2:15:19 PM



#26
2,2-Dichloropropane
Concen: 46.746 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 77 Resp: 461819
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 48.053 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

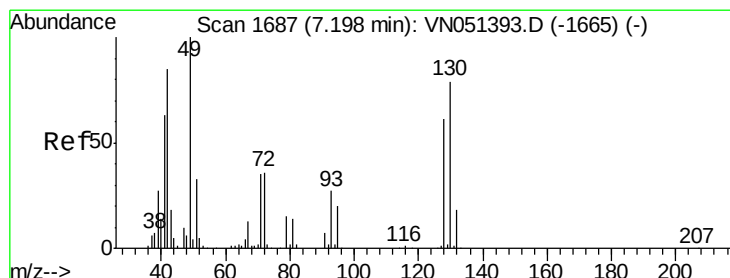
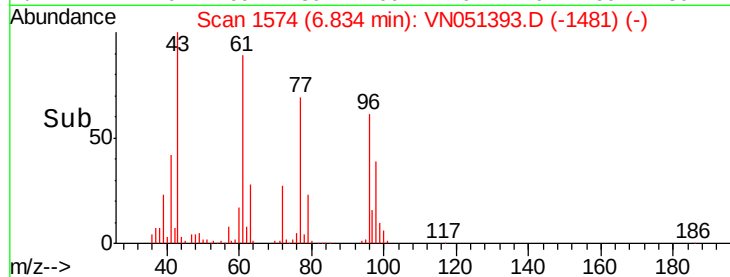
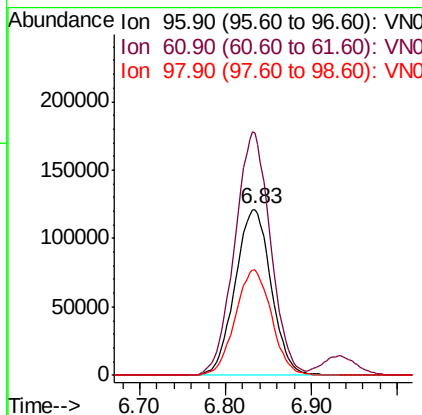
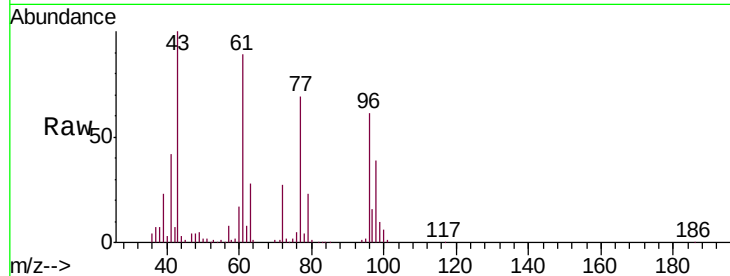
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	352781
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	291.4
98	64.2	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#28

Bromochloromethane

Concen: 48.293 ug/l

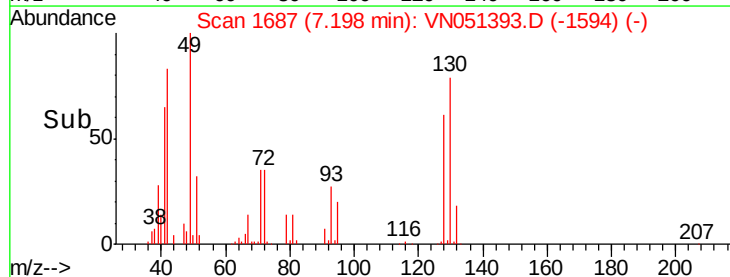
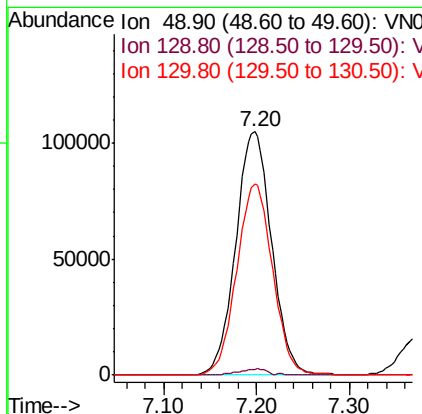
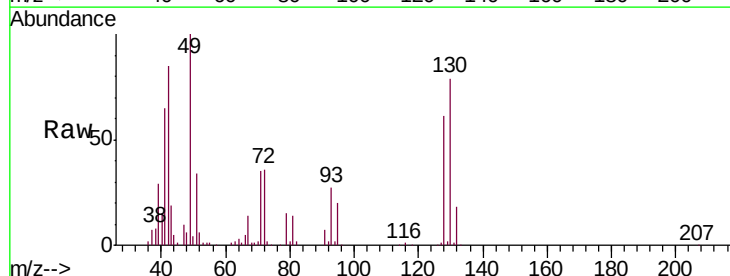
RT: 7.20 min Scan# 1687

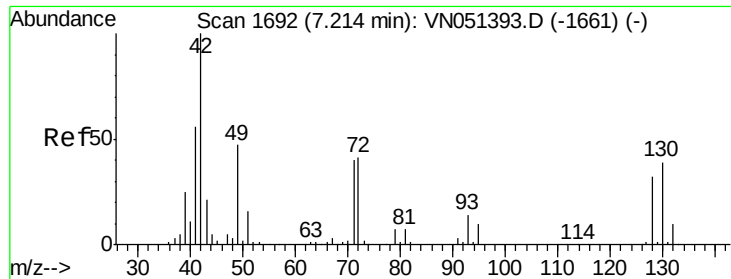
Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion:	49	Resp:	282252
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.7	63.0	94.4





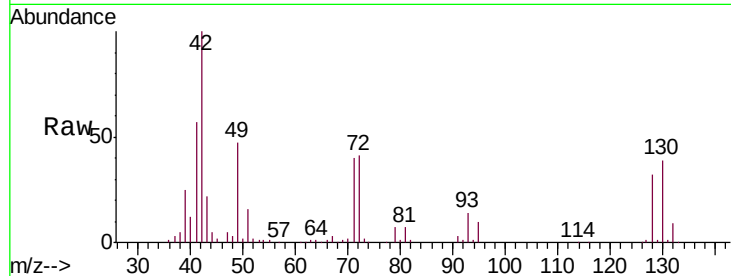
#29
Tetrahydrofuran
Concen: 242.864 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

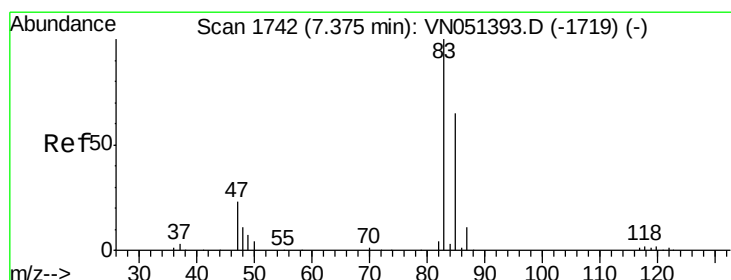
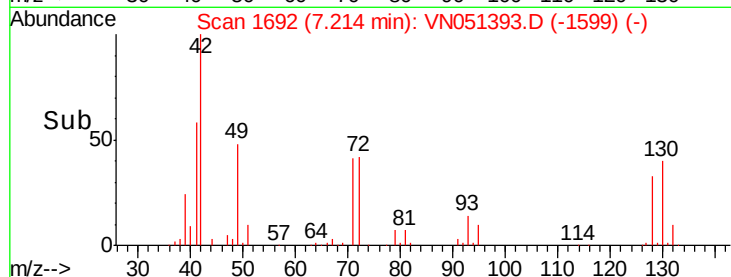
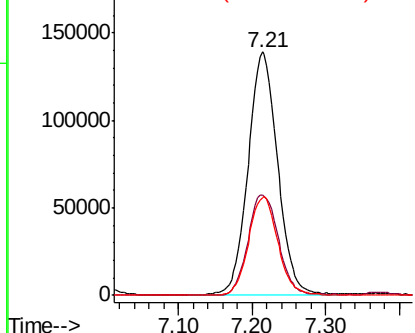
Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.3	51.5
71	40.3	32.2	48.4

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM

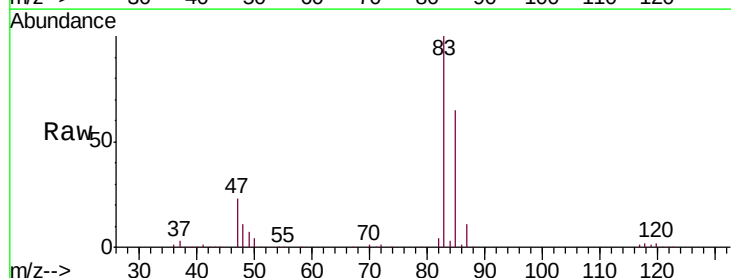


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

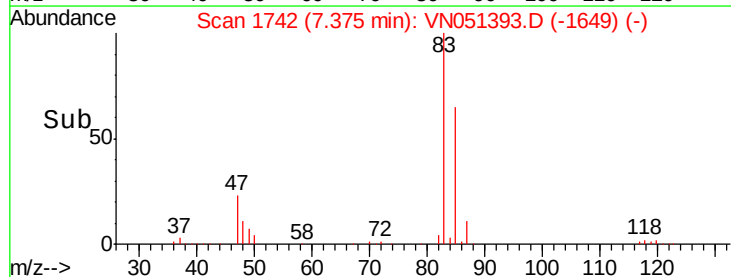
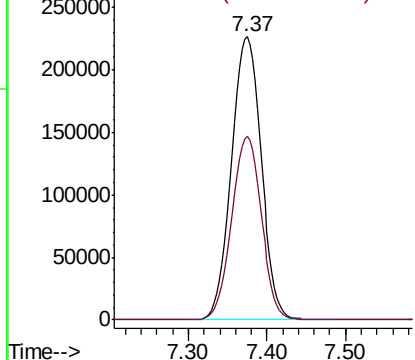


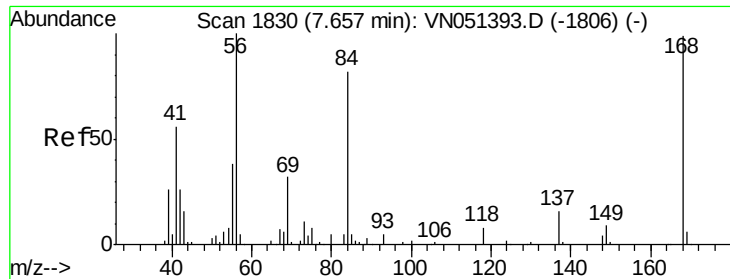
#30
Chloroform
Concen: 47.911 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





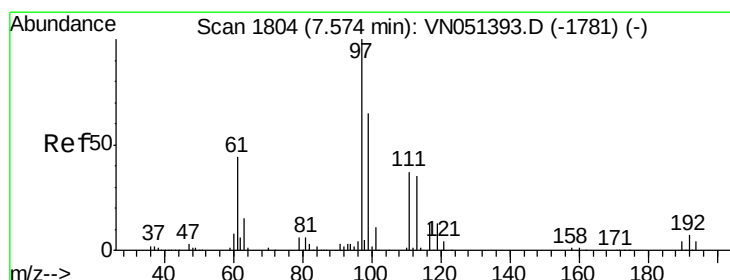
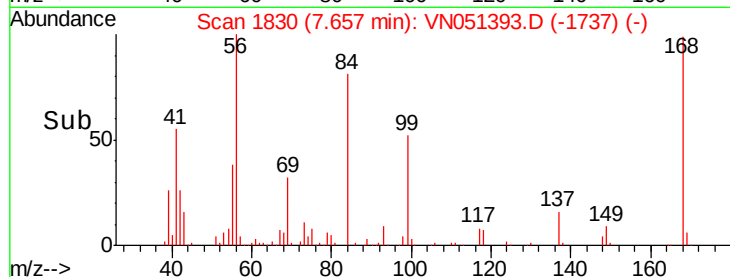
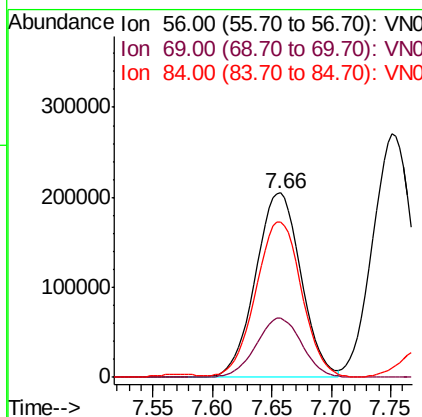
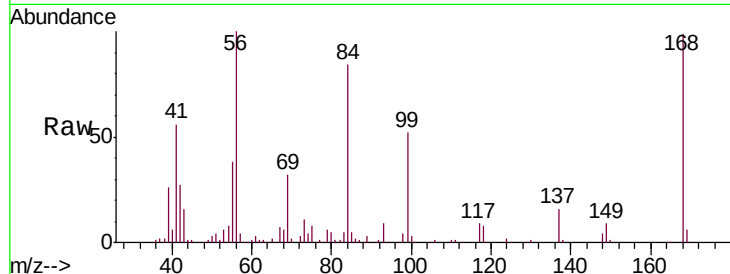
#31
Cyclohexane
Concen: 46.839 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	82.5	66.0	99.0

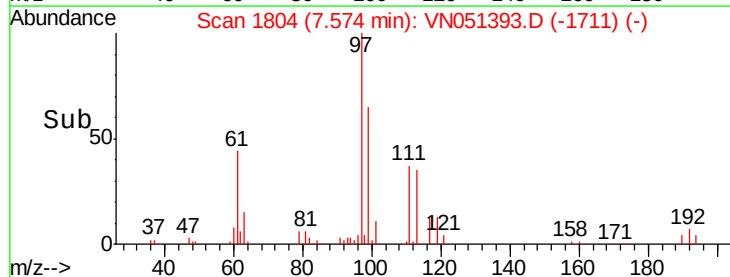
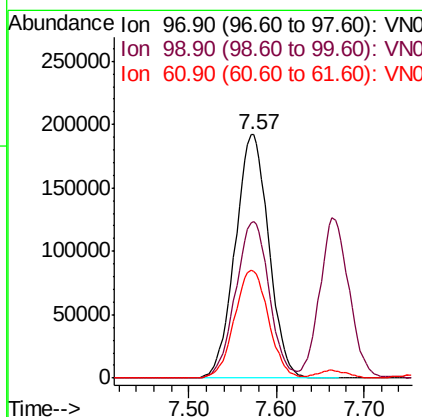
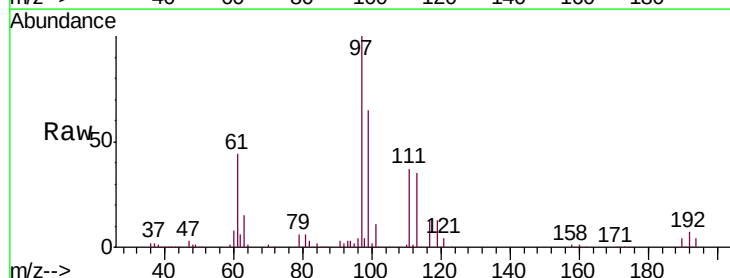
Manual Integrations
APPROVED

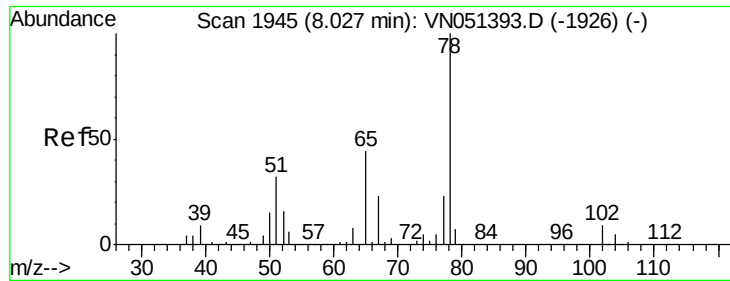
MMDadoda
9/24/2018 2:15:19 PM



#32
1,1,1-Trichloroethane
Concen: 47.721 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	44.8	35.8	53.8





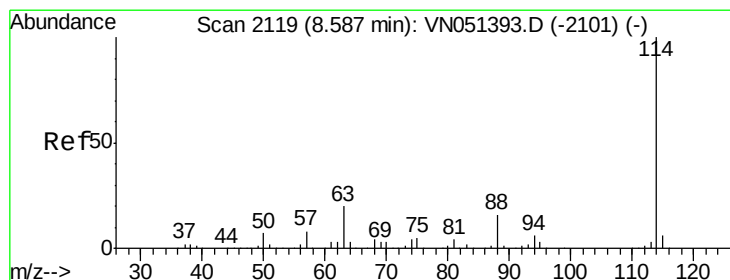
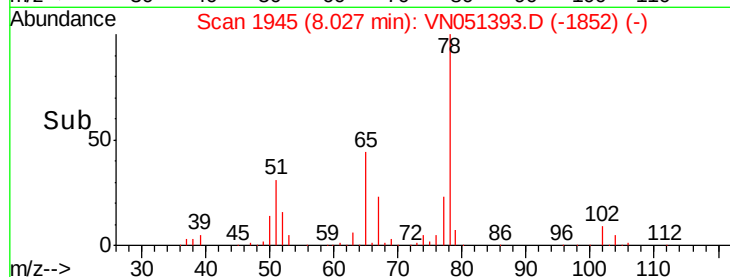
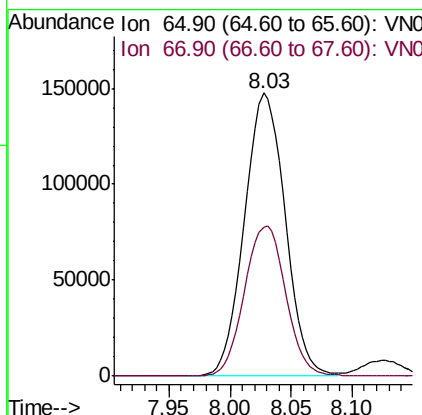
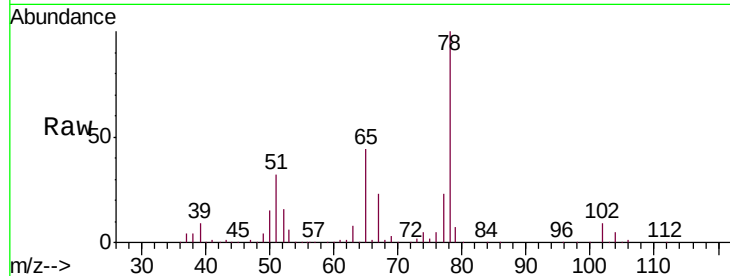
#33
 1,2-Dichloroethane-d4
 Concen: 46.379 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 341533
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8

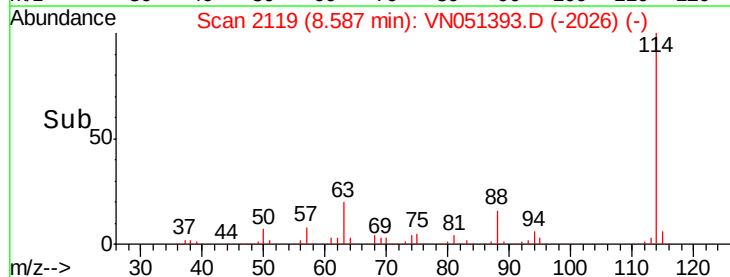
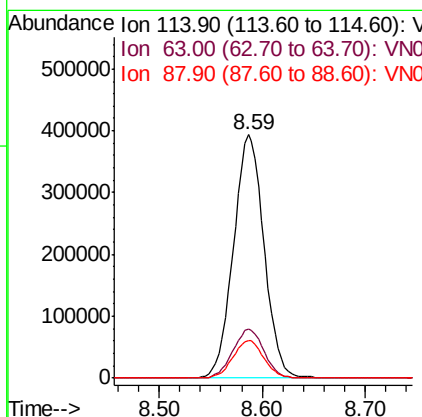
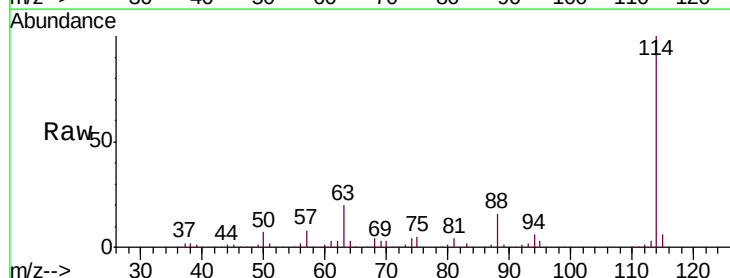
Manual Integrations
 APPROVED

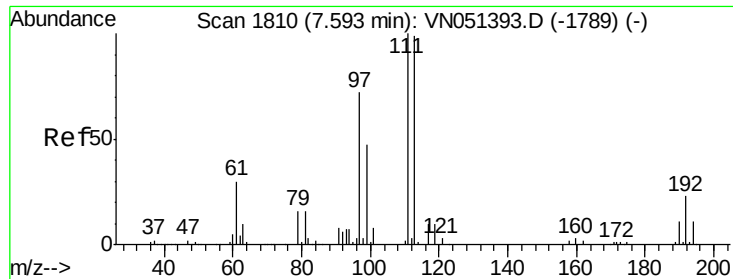
MMDadoda
 9/24/2018 2:15:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 114 Resp: 811103
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.7 0.0 31.4





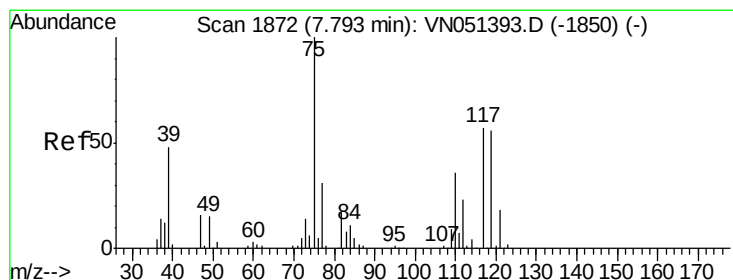
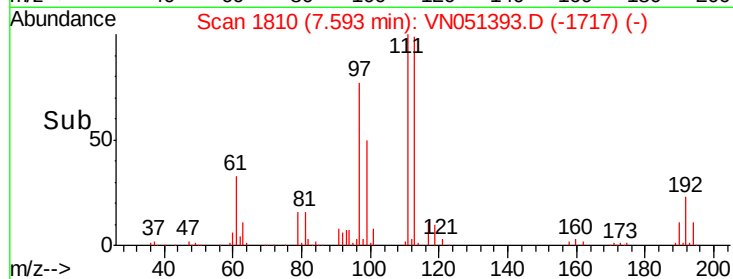
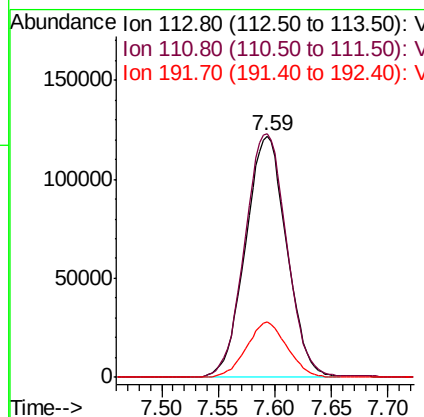
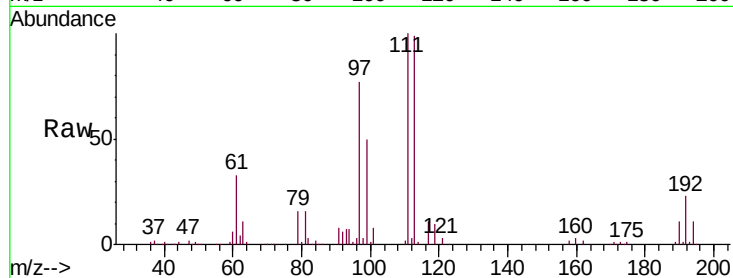
#35
 Dibromofluoromethane
 Concen: 47.446 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	307734		
111	103.2	82.6	123.8	
192	22.5	18.0	27.0	

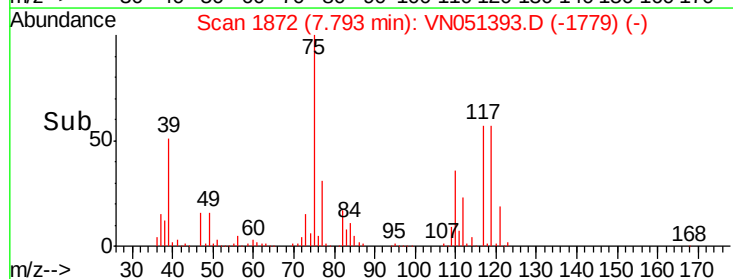
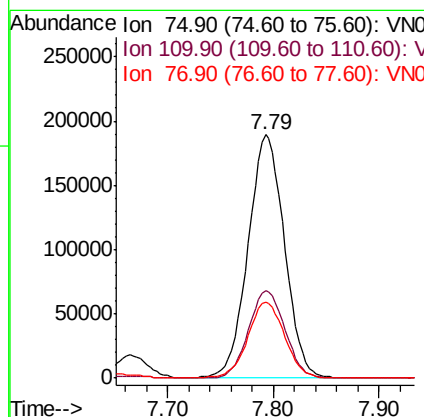
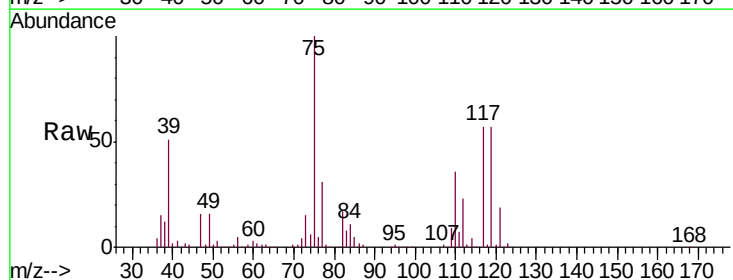
Manual Integrations
 APPROVED

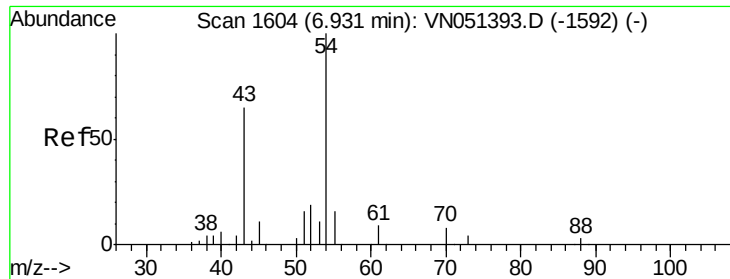
MMDadoda
 9/24/2018 2:15:19 PM



#36
 1,1-Dichloropropene
 Concen: 48.057 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	451383		
110	36.2	18.1	54.3	
77	32.0	25.6	38.4	





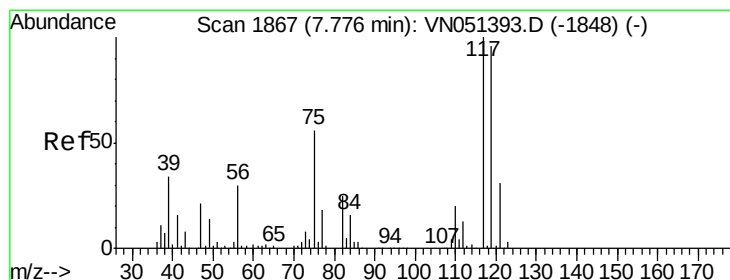
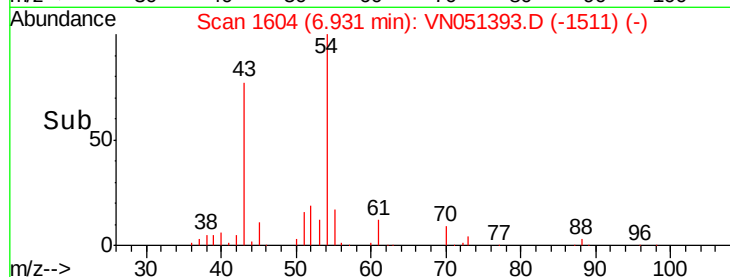
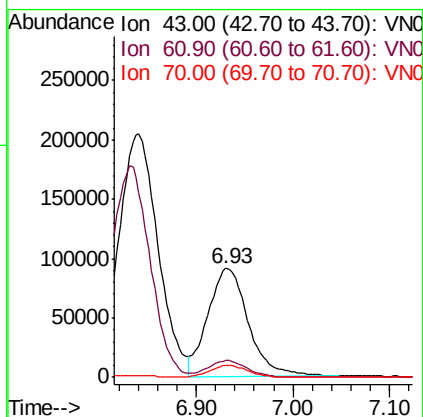
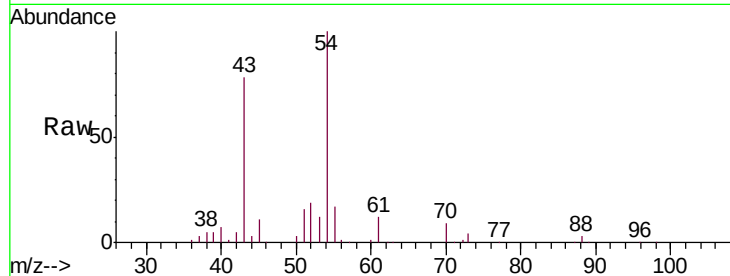
#37
Ethyl Acetate
Concen: 48.997 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.9	7.9	11.9

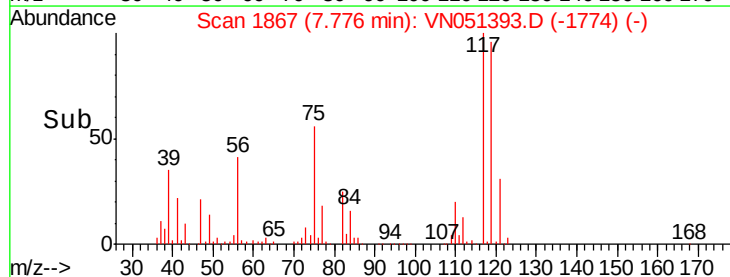
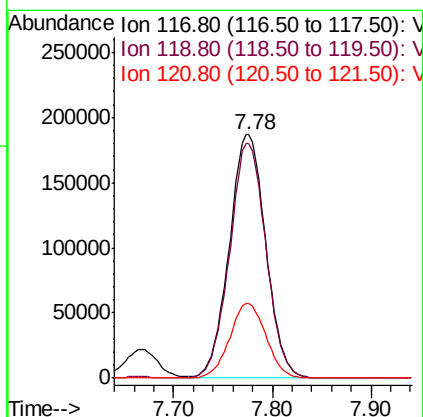
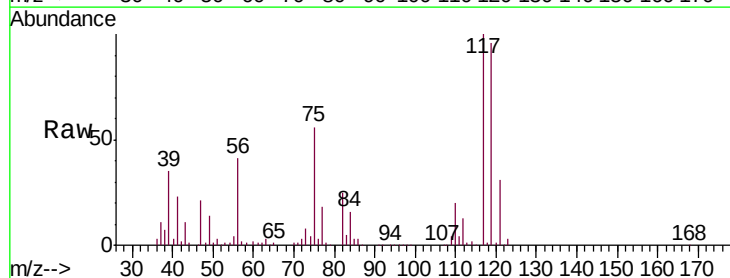
Manual Integrations
APPROVED

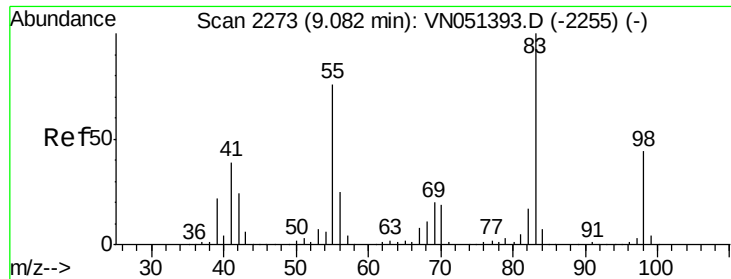
MMDadoda
9/24/2018 2:15:19 PM



#38
Carbon Tetrachloride
Concen: 48.925 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.8	24.6	37.0





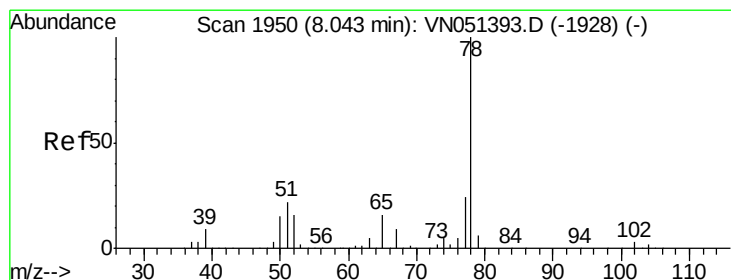
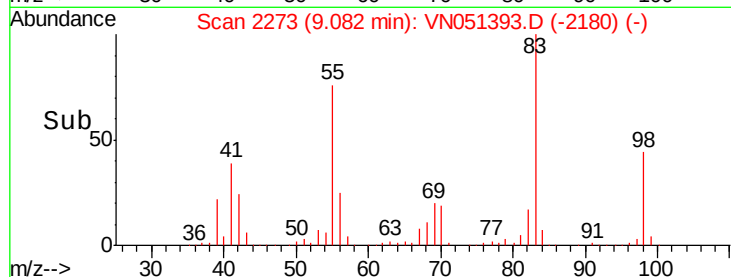
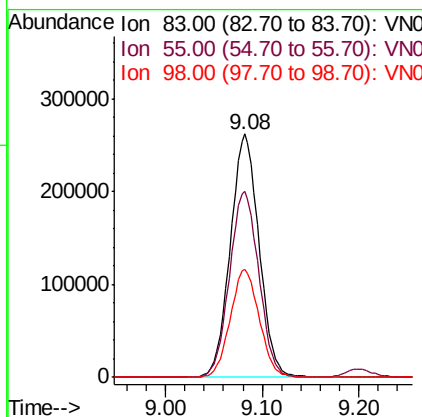
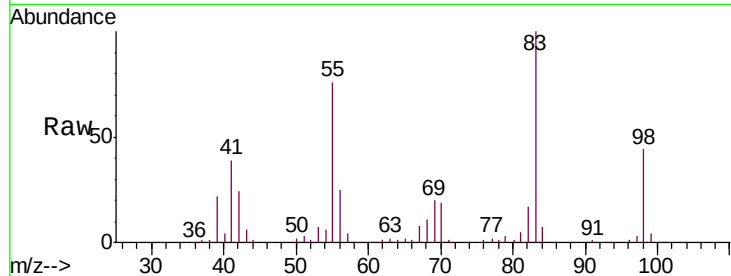
#39
Methylcyclohexane
Concen: 49.263 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	540915		
55	76.2	61.0	91.4	
98	44.5	35.6	53.4	

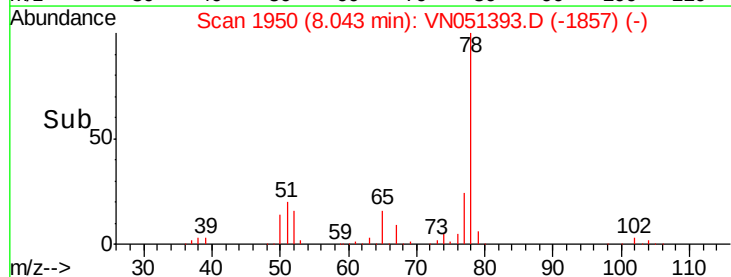
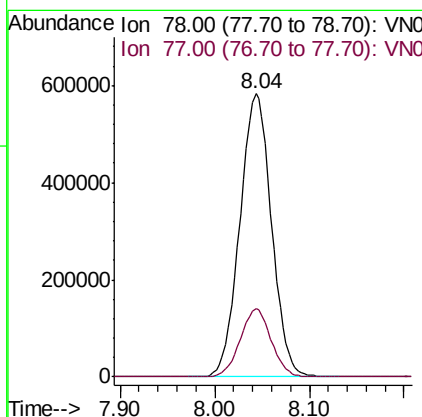
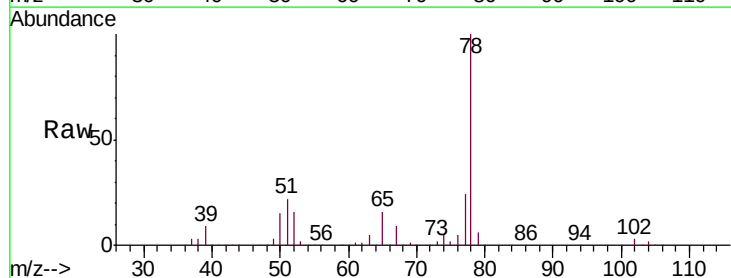
Manual Integrations
APPROVED

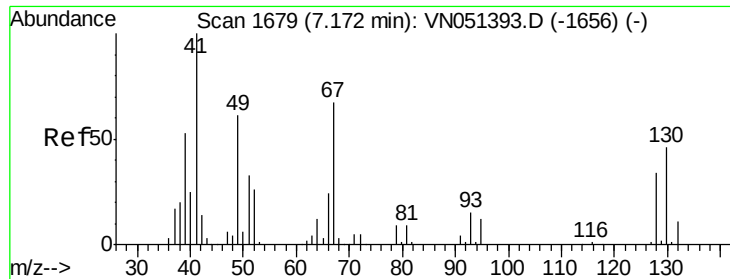
MMDadoda
9/24/2018 2:15:19 PM



#40
Benzene
Concen: 49.179 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1356320		
77	24.0	19.2	28.8	





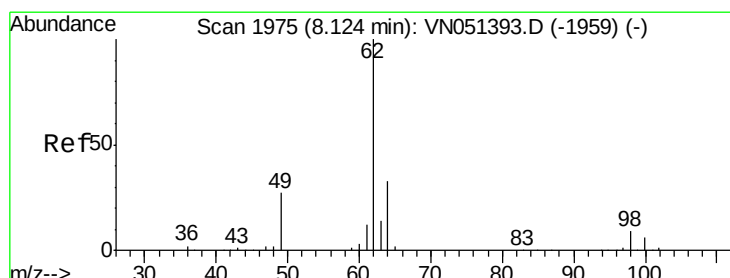
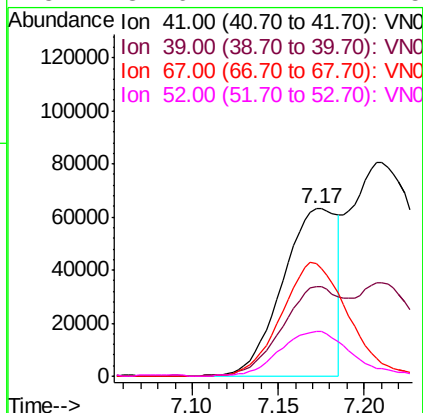
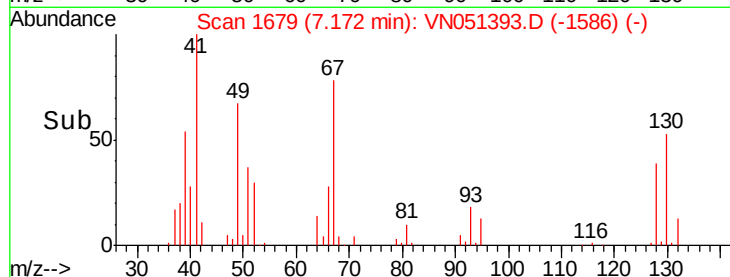
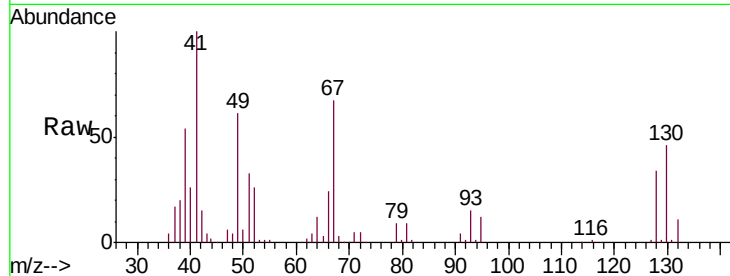
#41
Methacrylonitrile
Concen: 46.619 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	51.4	77.2
67	83.5	66.8	100.2
52	34.6	27.7	41.5

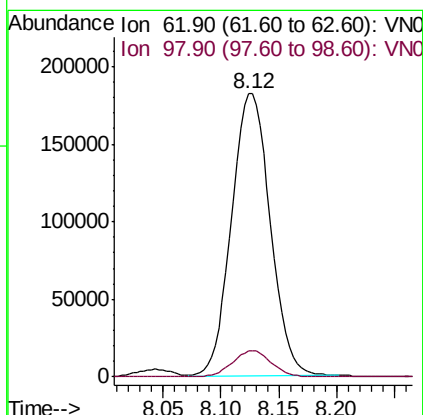
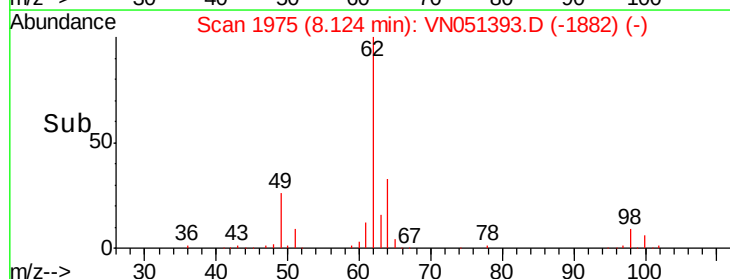
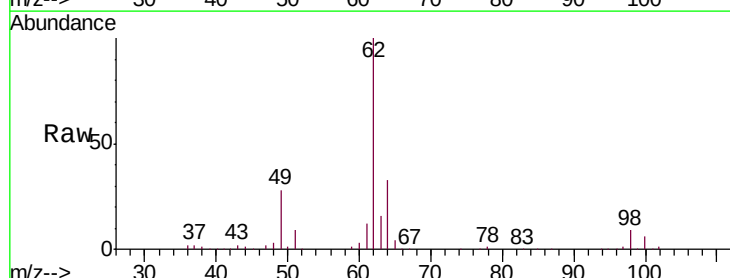
Manual Integrations
APPROVED

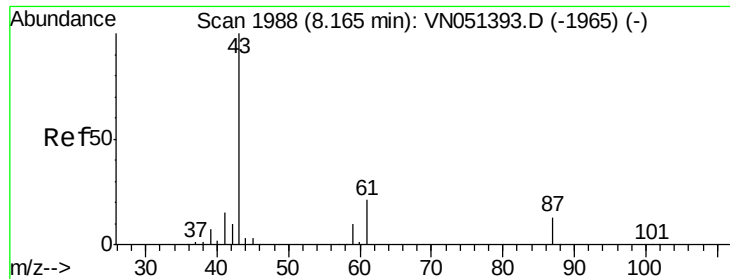
MMDadoda
9/24/2018 2:15:19 PM



#42
1,2-Dichloroethane
Concen: 47.918 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 47.713 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

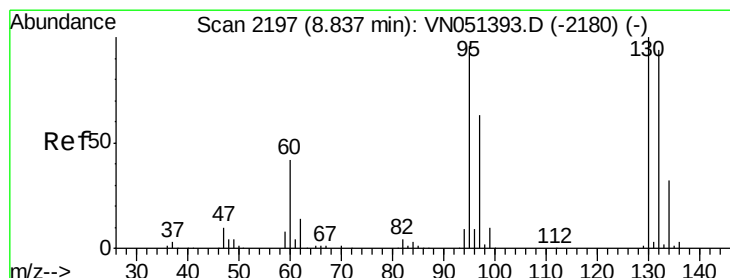
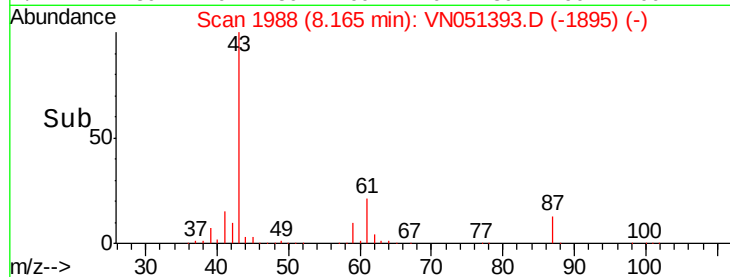
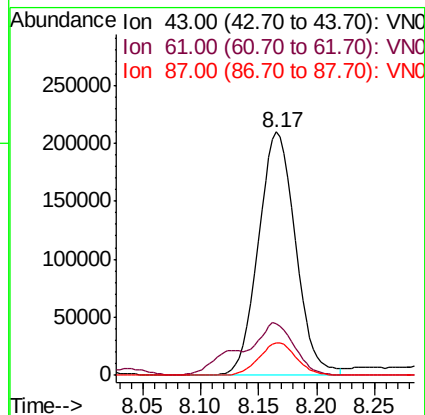
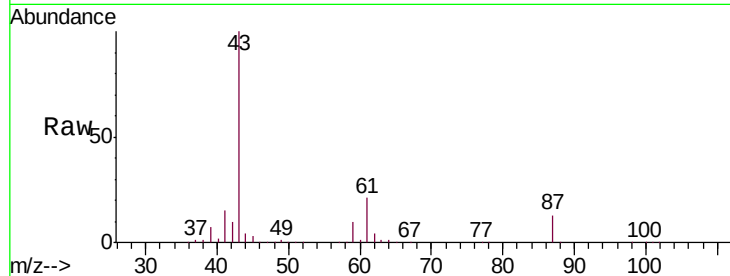
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	465946
Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.8	25.2
87	13.4	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#44

Trichloroethene

Concen: 48.419 ug/l

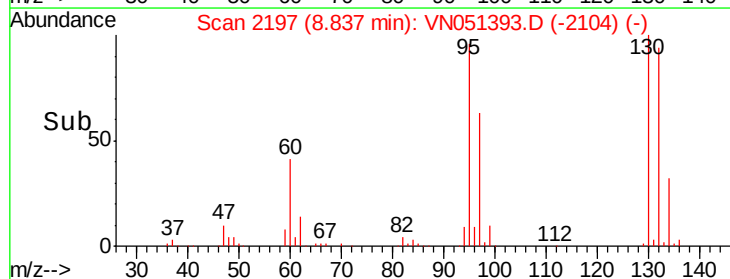
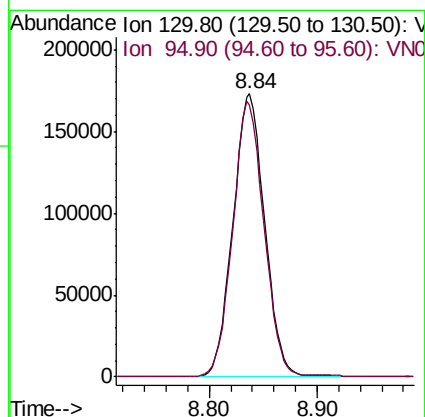
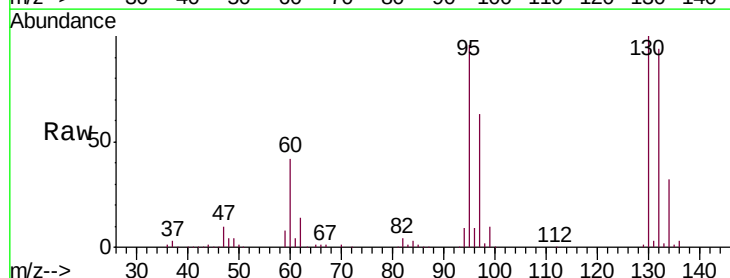
RT: 8.84 min Scan# 2197

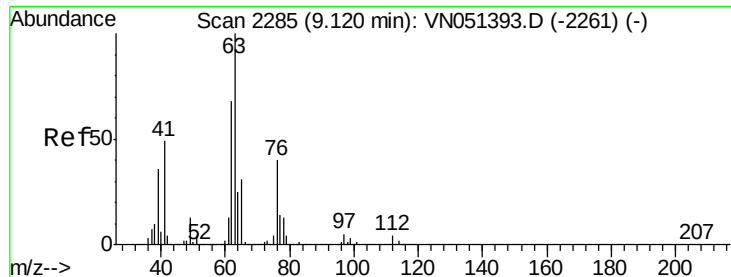
Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion:	130	Resp:	354683
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	192.2





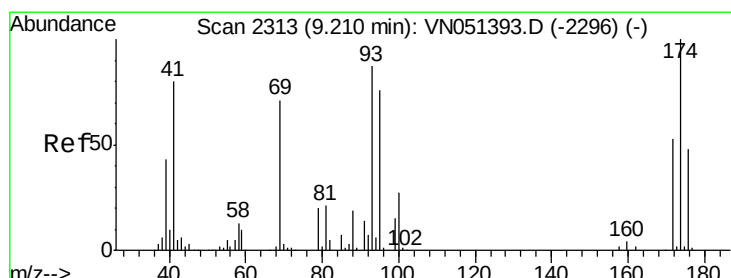
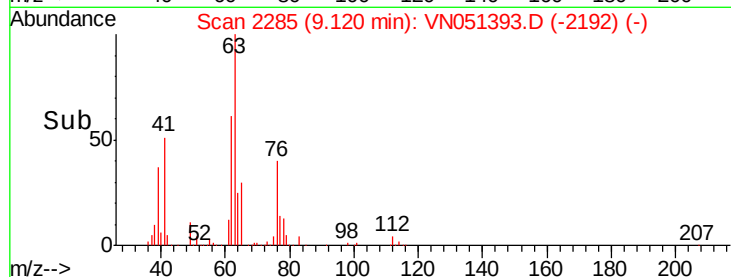
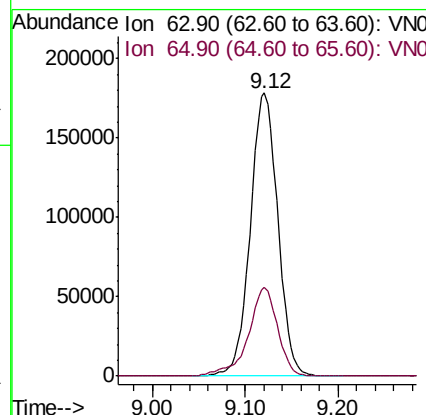
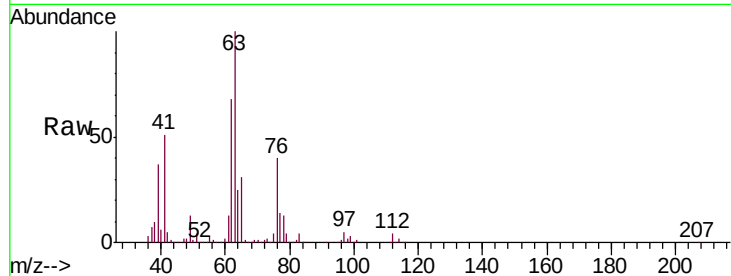
#45
 1,2-Dichloropropane
 Concen: 49.083 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 367968
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3

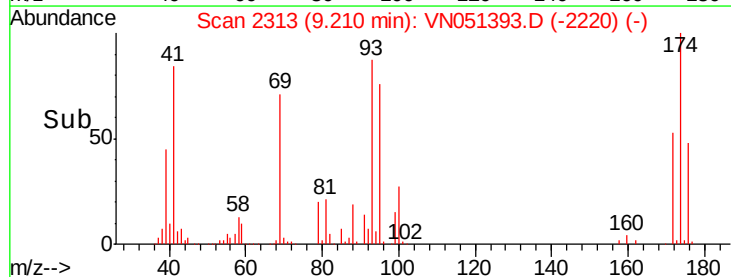
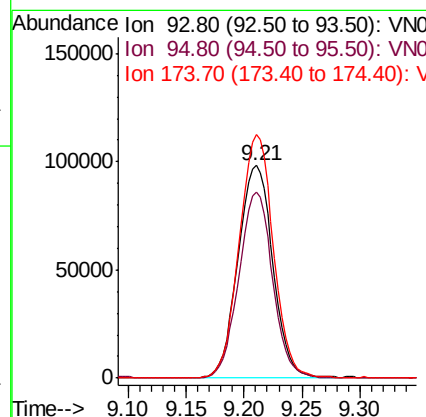
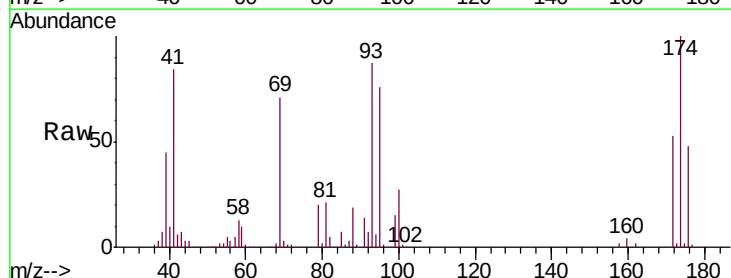
Manual Integrations
 APPROVED

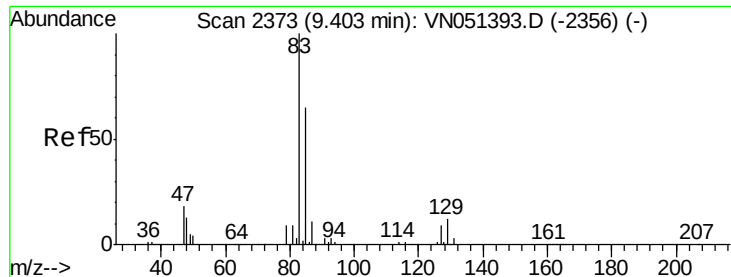
MMDadoda
 9/24/2018 2:15:19 PM



#46
 Dibromomethane
 Concen: 48.584 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 93 Resp: 205798
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.6 101.4
 174 112.0 89.6 134.4





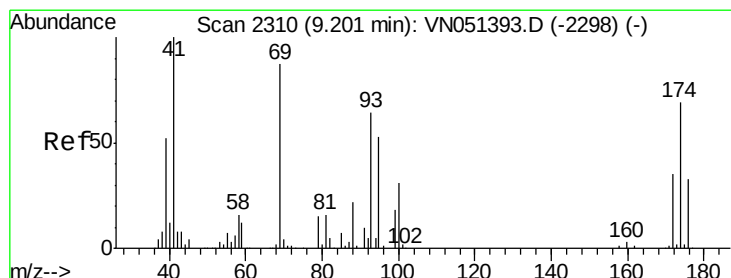
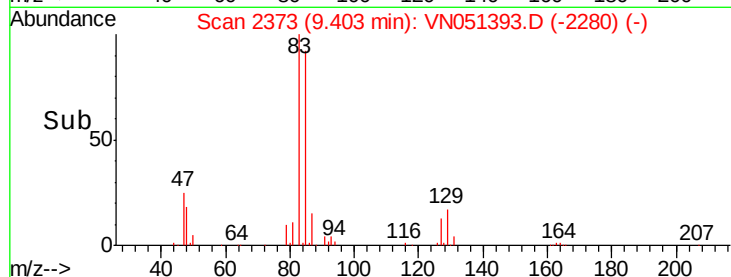
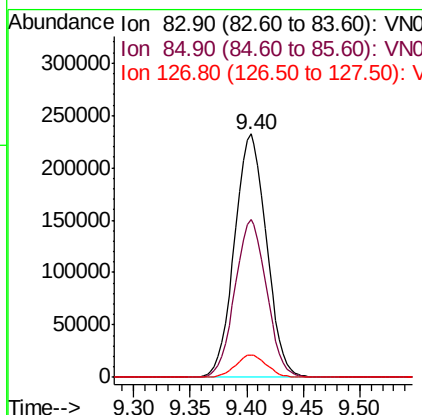
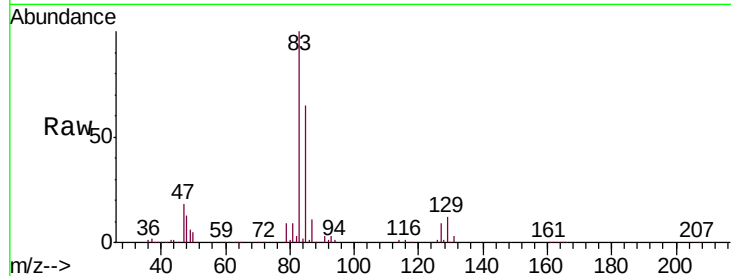
#47
 Bromodichloromethane
 Concen: 48.905 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.3	7.4	11.2

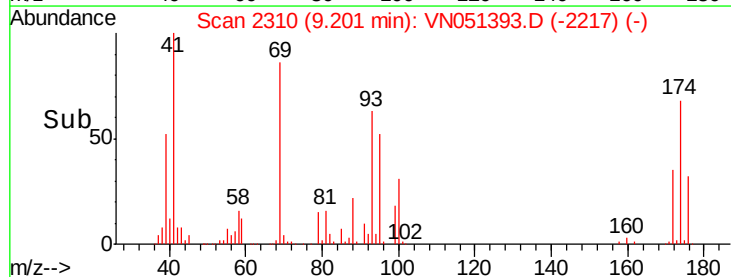
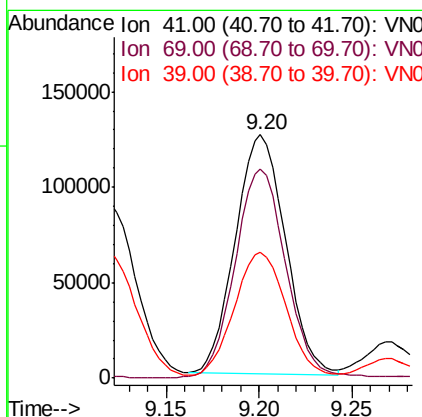
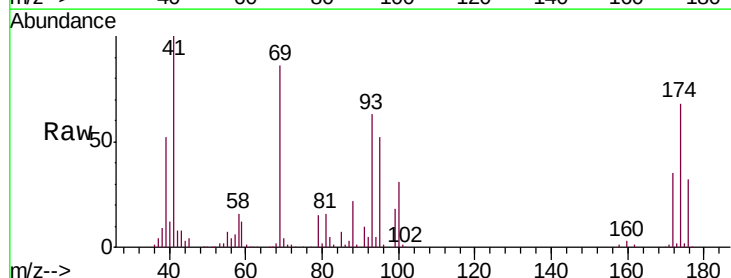
Manual Integrations
 APPROVED

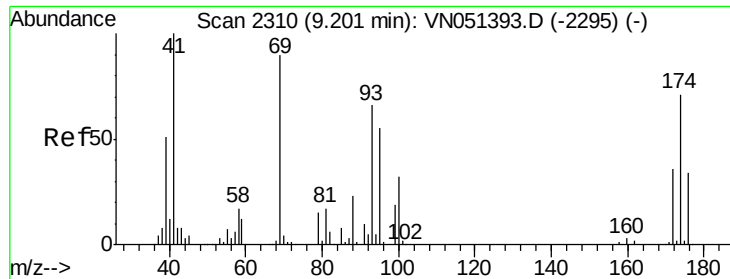
MMDadoda
 9/24/2018 2:15:19 PM



#48
 Methyl methacrylate
 Concen: 48.423 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	70.4	105.6
39	54.8	43.8	65.8





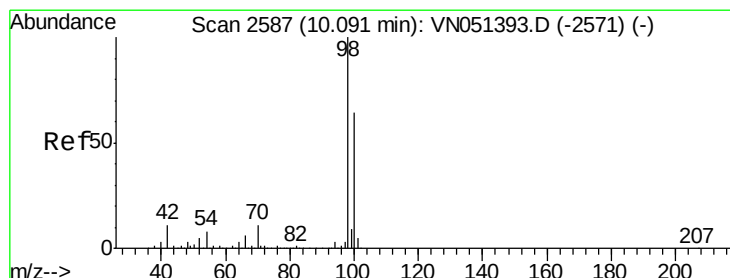
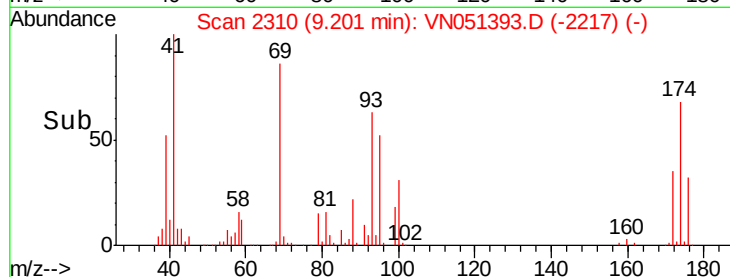
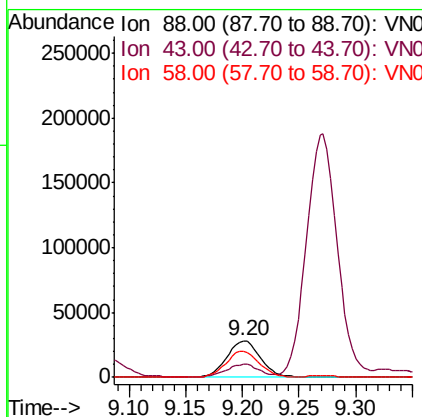
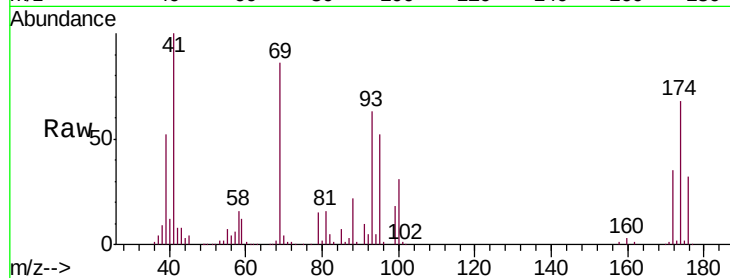
#49
1,4-Dioxane
Concen: 978.612 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.9	38.9
58	71.2	57.0	85.4

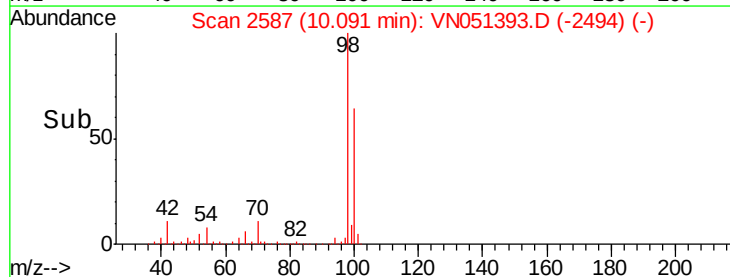
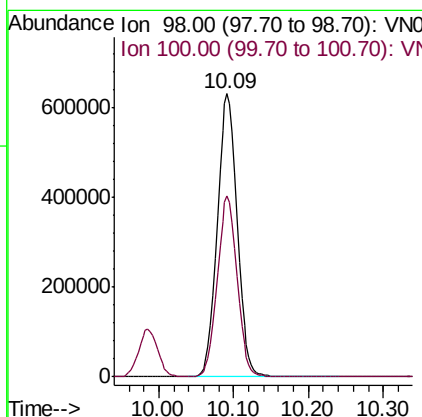
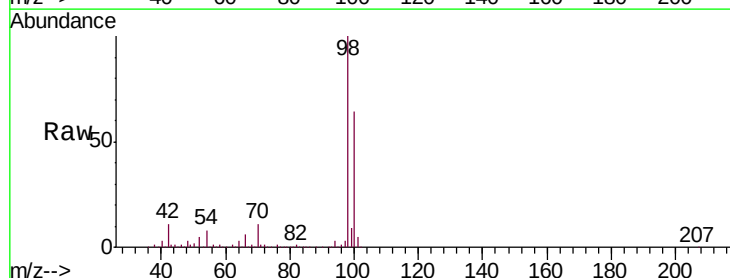
Manual Integrations
APPROVED

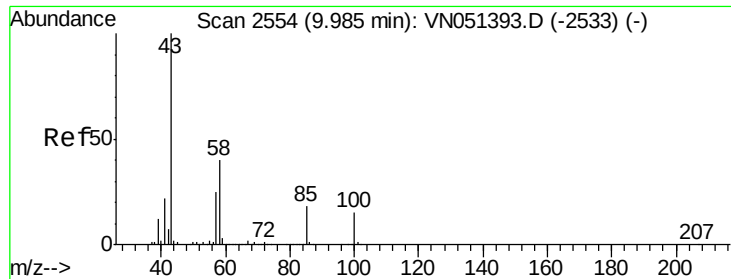
MMDadoda
9/24/2018 2:15:19 PM



#50
Toluene-d8
Concen: 47.602 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.6	75.8





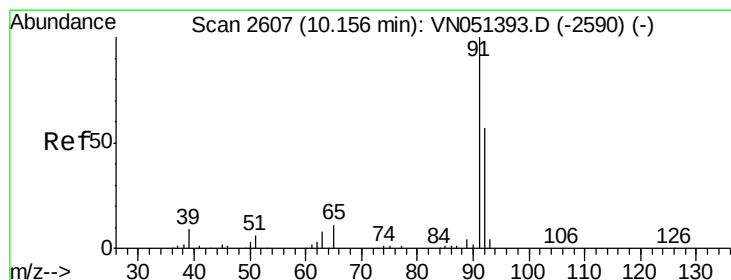
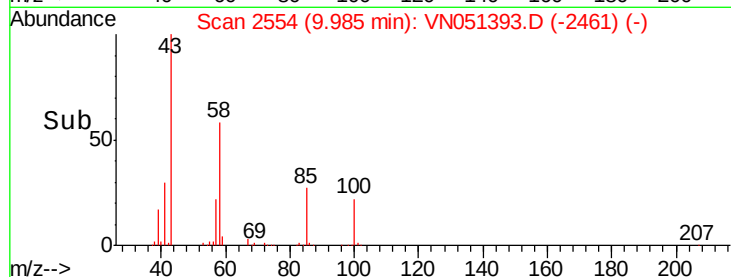
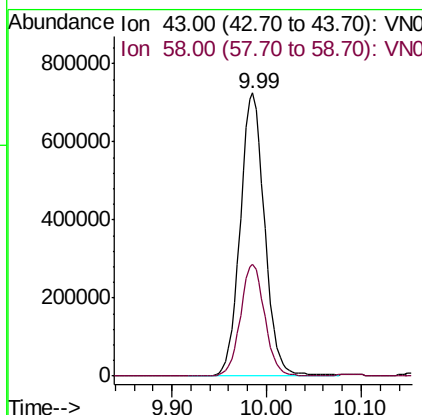
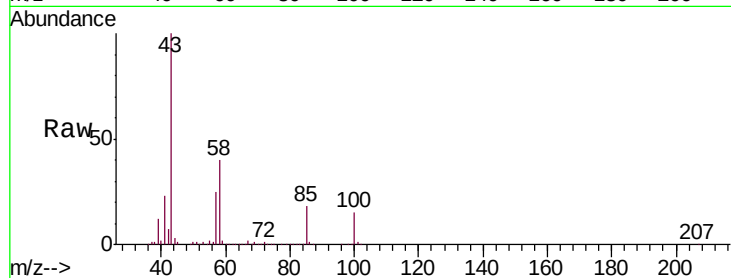
#51
 4-Methyl-2-Pentanone
 Concen: 241.489 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 1296958
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3

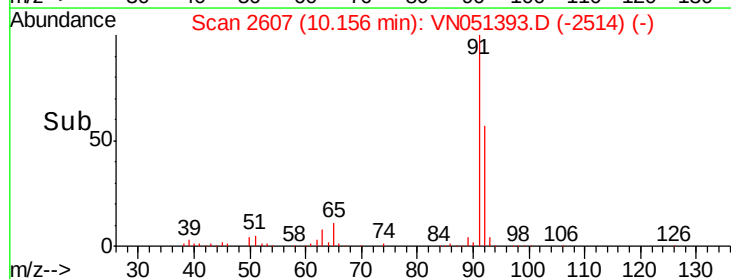
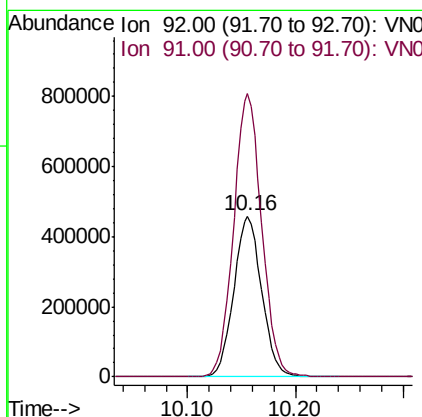
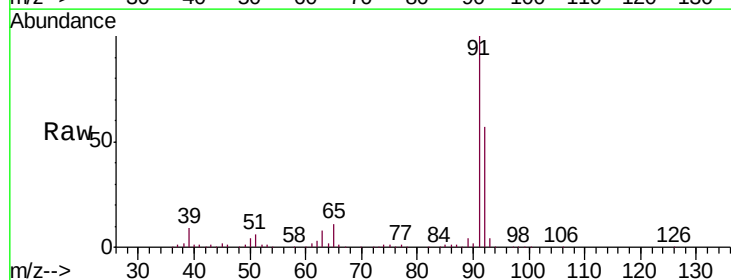
Manual Integrations
 APPROVED

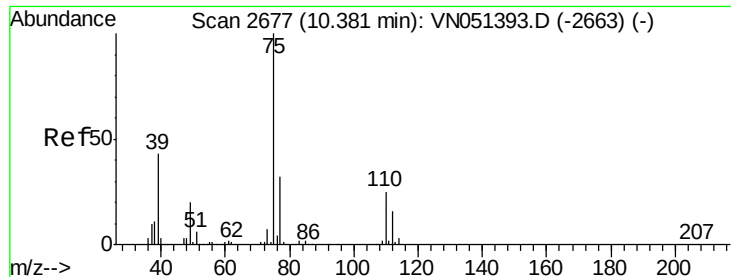
MMDadoda
 9/24/2018 2:15:19 PM



#52
 Toluene
 Concen: 48.215 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 92 Resp: 826383
 Ion Ratio Lower Upper
 92 100
 91 177.8 142.2 213.4





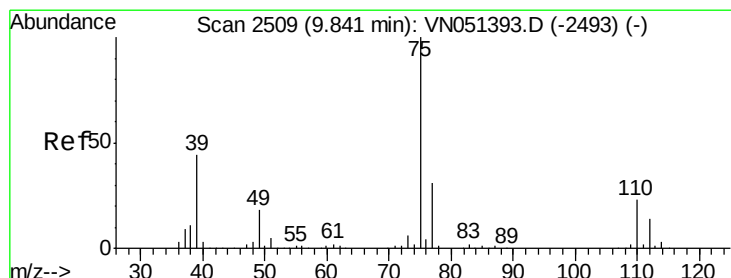
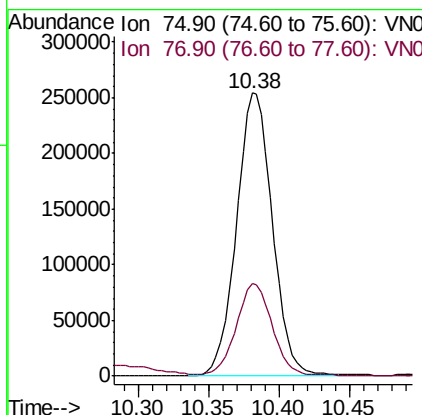
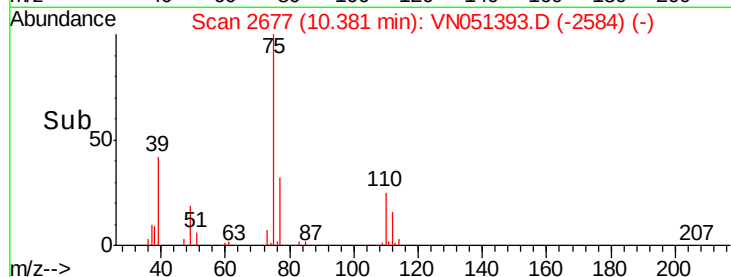
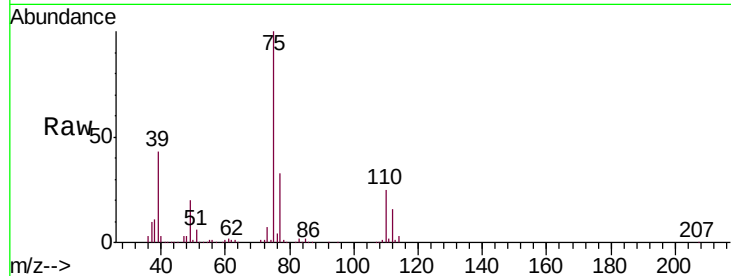
#53
t-1,3-Dichloropropene
Concen: 48.009 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion: 75 Resp: 454345
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8

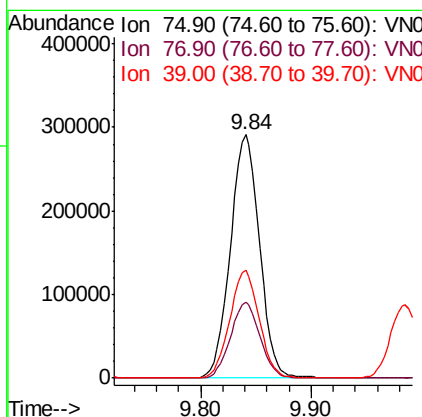
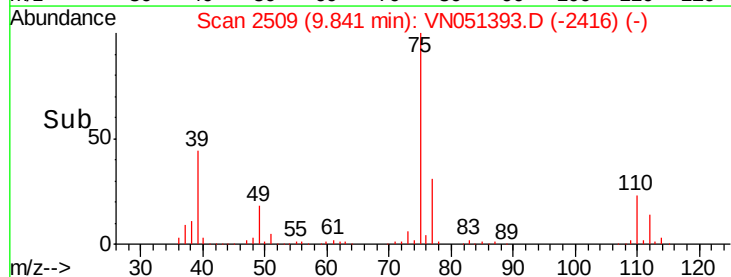
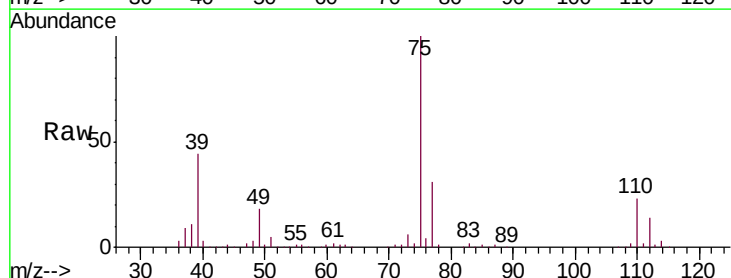
Manual Integrations
APPROVED

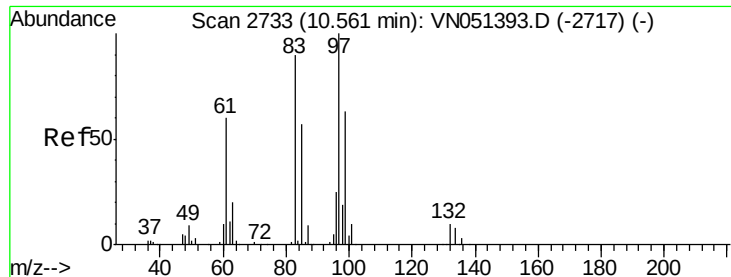
MMDadoda
9/24/2018 2:15:19 PM



#54
cis-1,3-Dichloropropene
Concen: 48.729 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 75 Resp: 534801
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 44.3 35.4 53.2





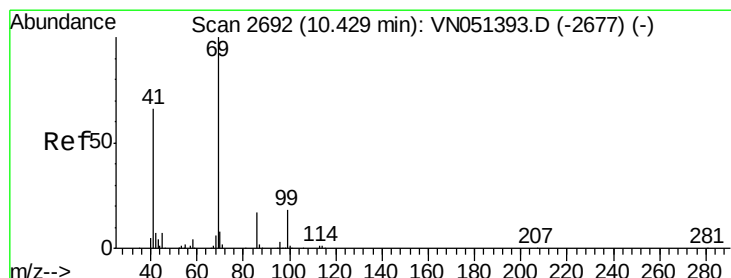
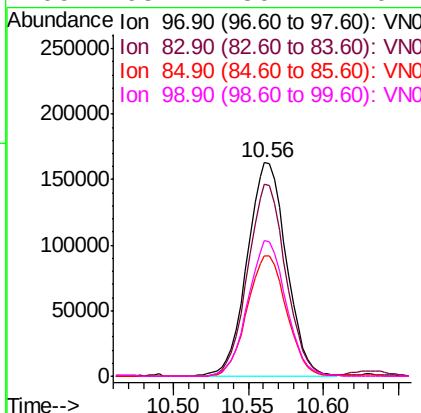
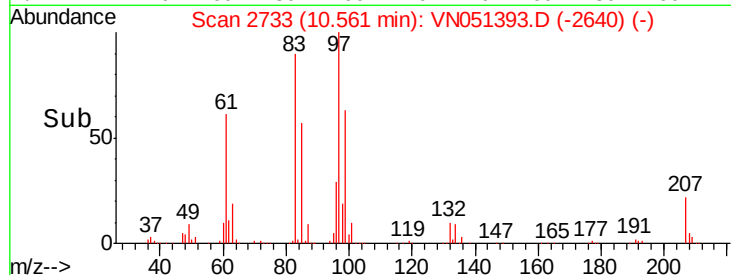
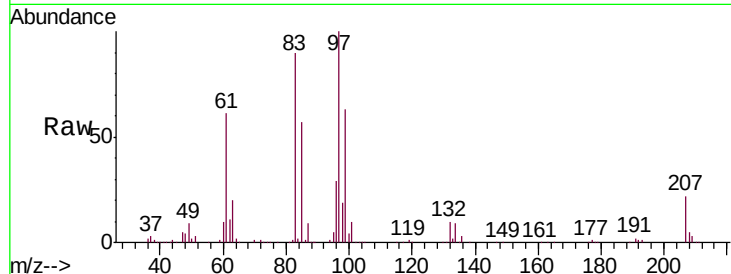
#55
 1,1,2-Trichloroethane
 Concen: 49.003 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.0	108.0
85	56.5	45.2	67.8
99	63.4	50.7	76.1

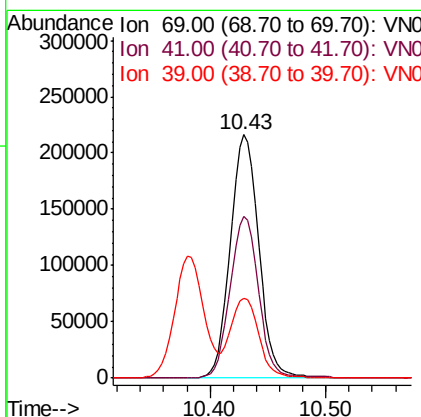
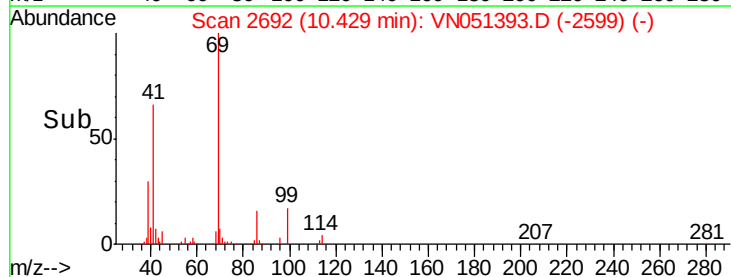
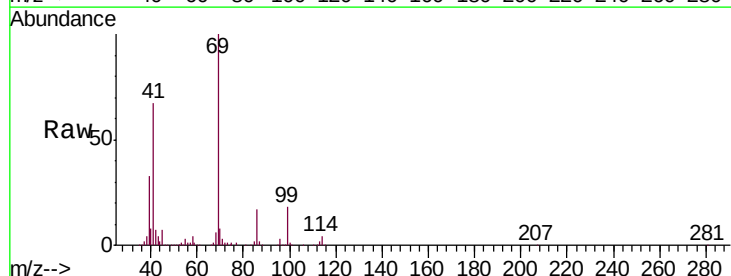
Manual Integrations
 APPROVED

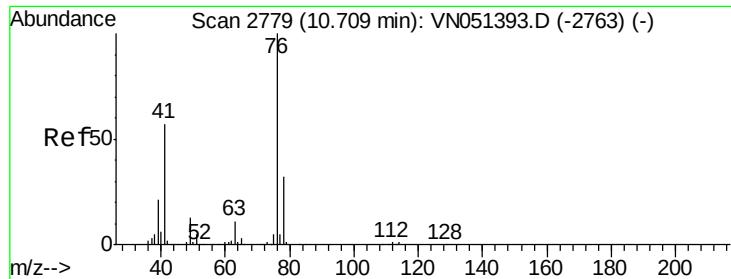
MMDadoda
 9/24/2018 2:15:19 PM



#56
 Ethyl methacrylate
 Concen: 49.578 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.5	52.4	78.6
39	32.9	26.3	39.5





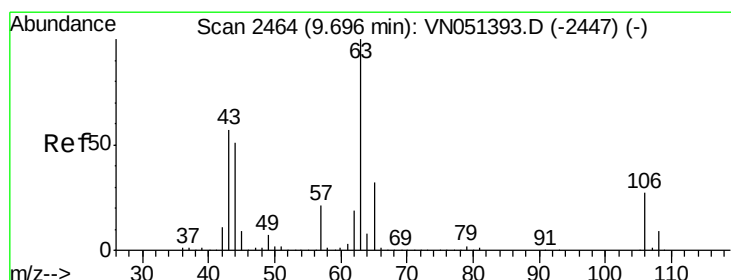
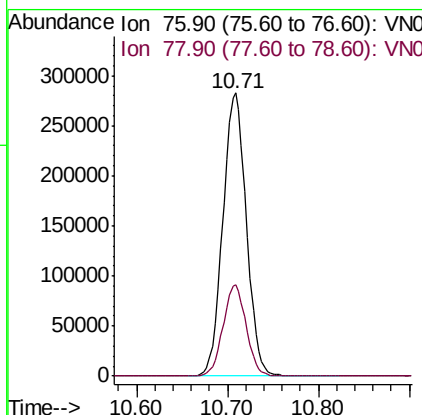
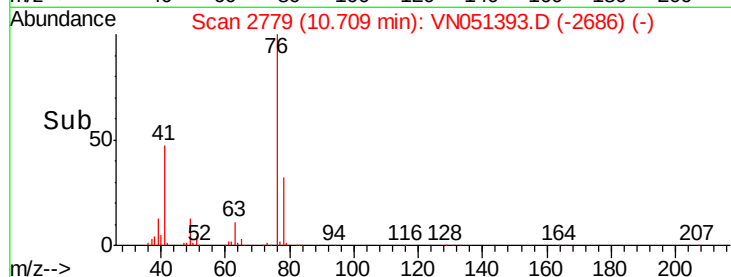
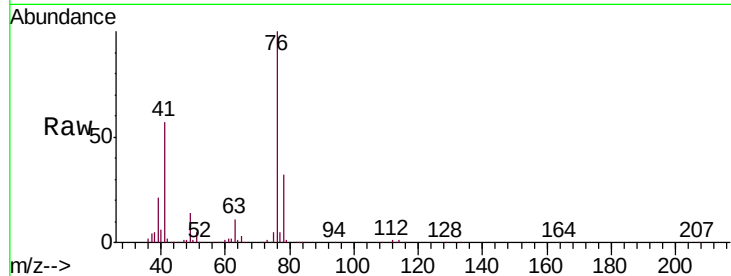
#57
 1,3-Dichloropropane
 Concen: 48.862 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 507300
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

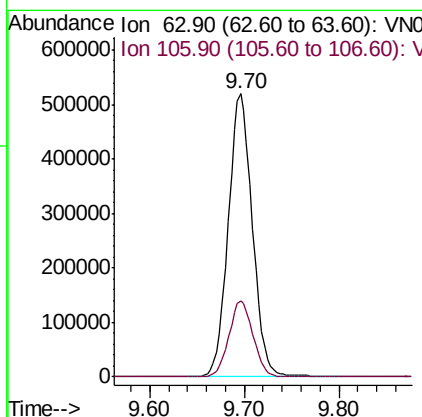
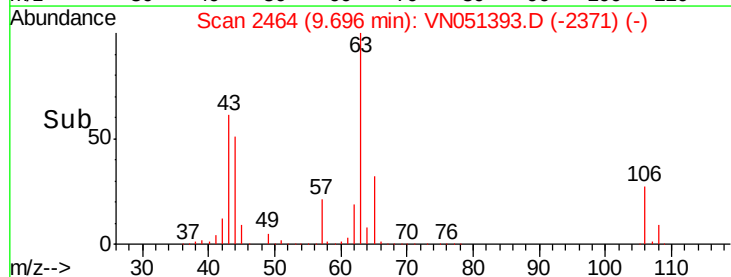
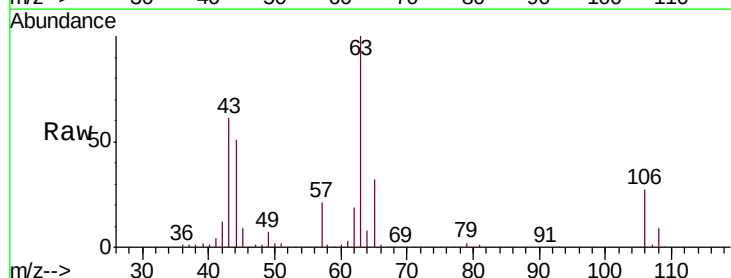
Manual Integrations
 APPROVED

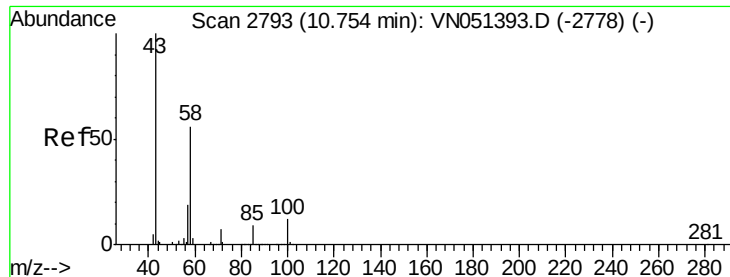
MMDadoda
 9/24/2018 2:15:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.240 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion: 63 Resp: 920112
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.4 32.2





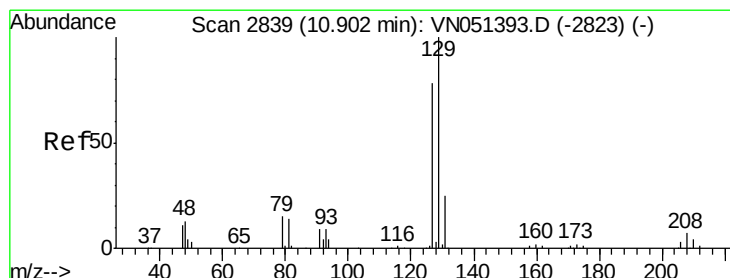
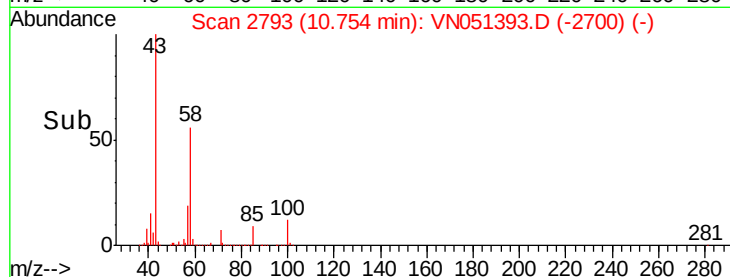
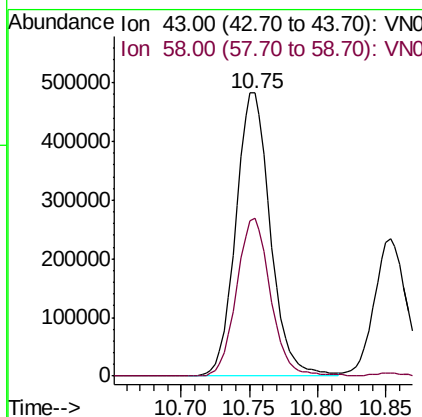
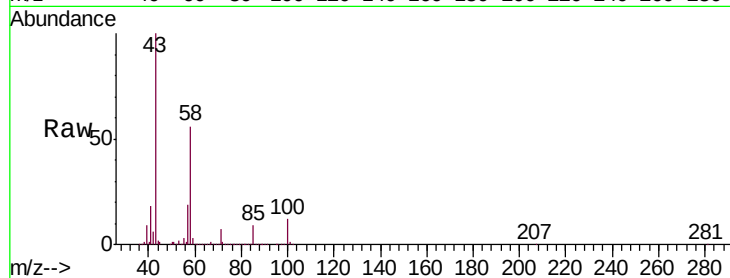
#59
2-Hexanone
Concen: 242.837 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion: 43 Resp: 845462
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0

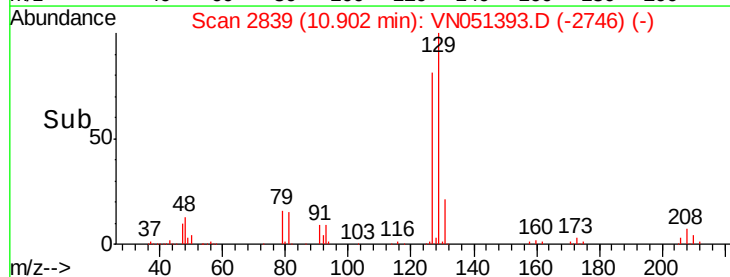
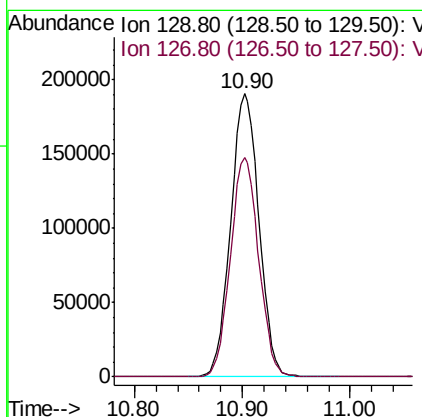
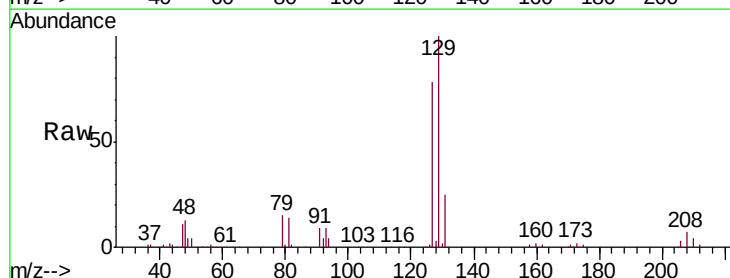
Manual Integrations
APPROVED

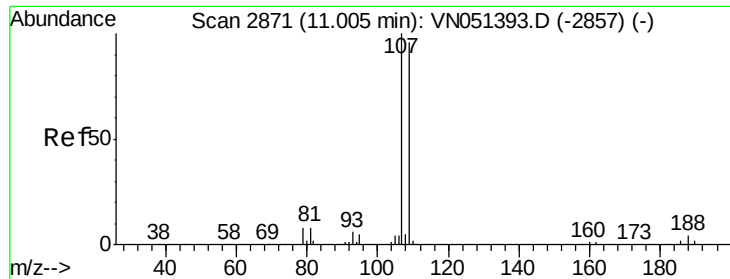
MMDadoda
9/24/2018 2:15:19 PM



#60
Dibromochloromethane
Concen: 48.819 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 129 Resp: 348902
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





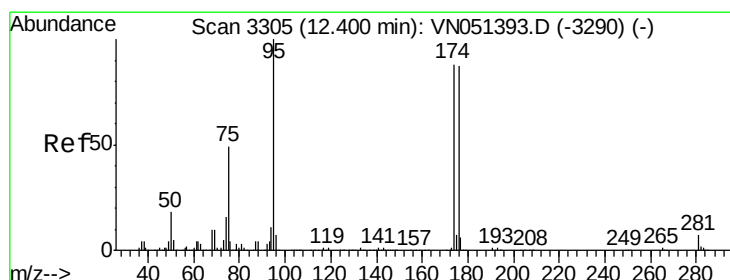
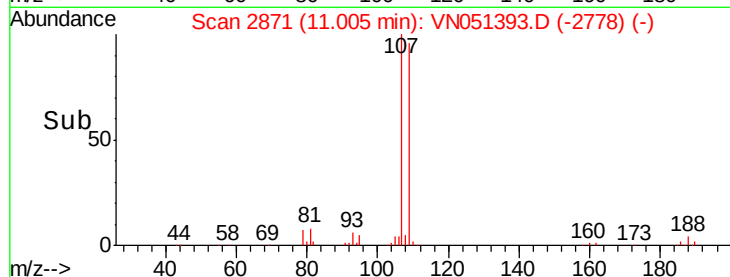
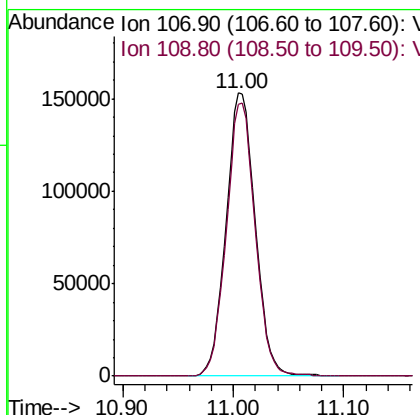
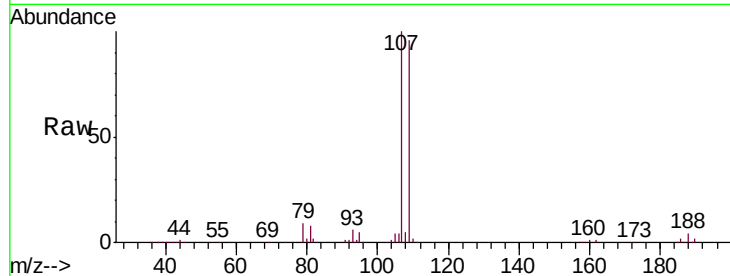
#61
1,2-Dibromoethane
Concen: 47.662 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	280263		
109	95.4	76.3	114.5	

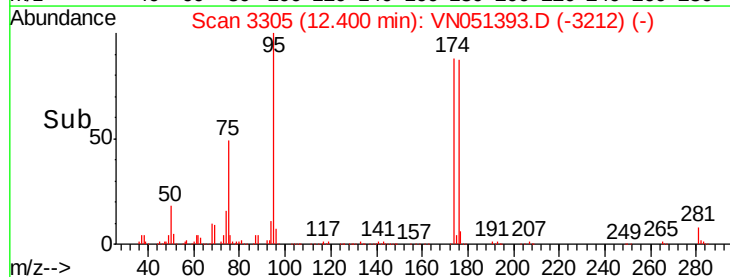
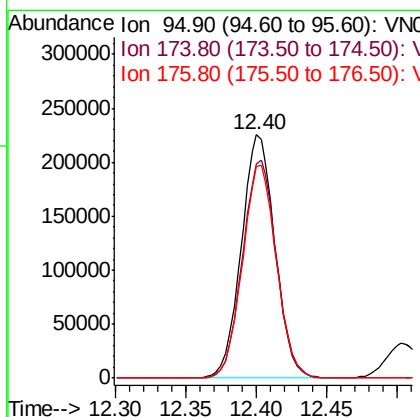
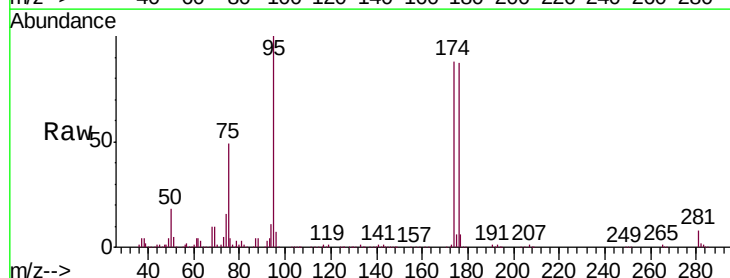
Manual Integrations
APPROVED

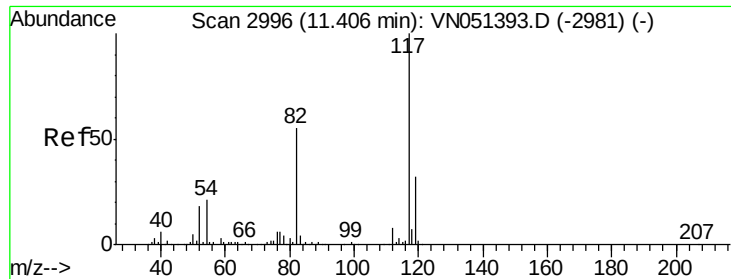
MMDadoda
9/24/2018 2:15:19 PM



#62
4-Bromofluorobenzene
Concen: 47.644 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	376438		
174	90.8	0.0	181.6	
176	88.2	0.0	176.4	





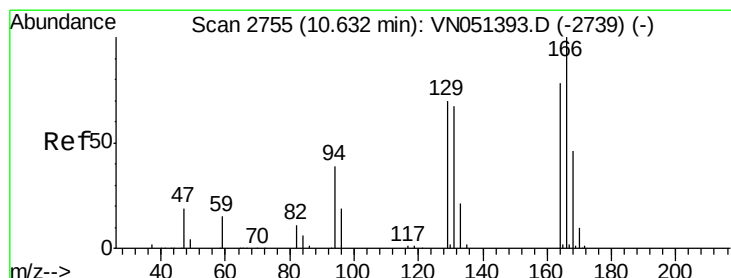
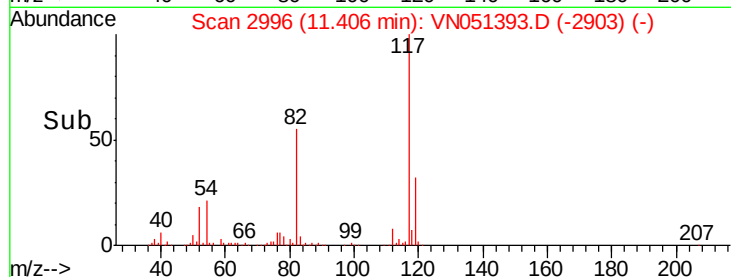
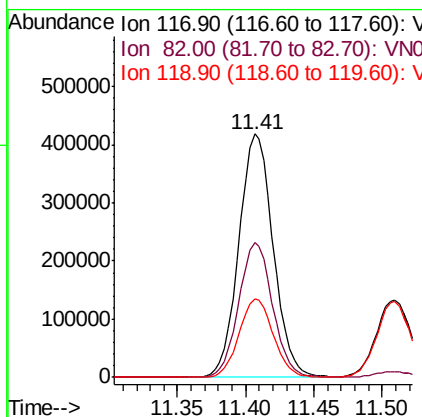
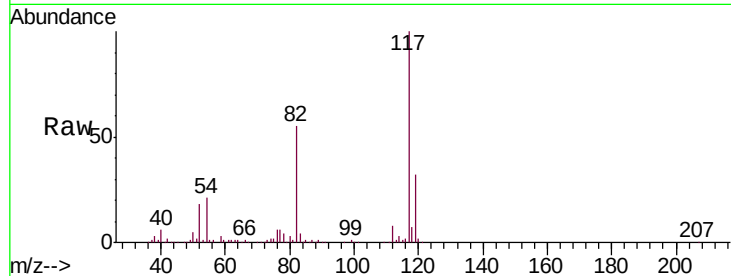
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	731056		
82	55.2	44.2	66.2	
119	32.4	25.9	38.9	

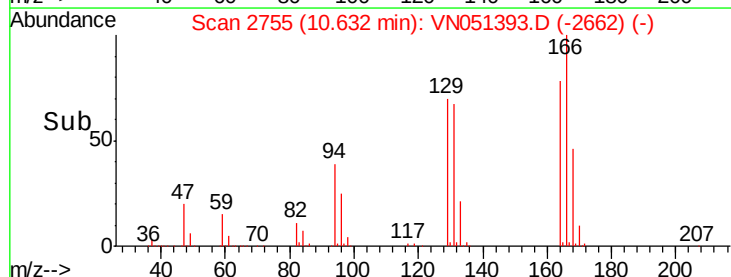
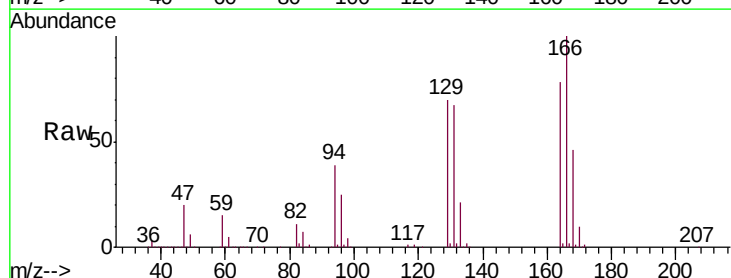
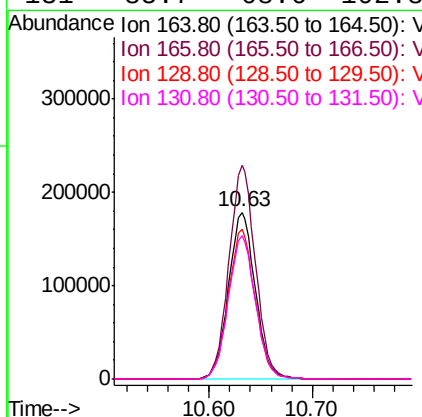
Manual Integrations
APPROVED

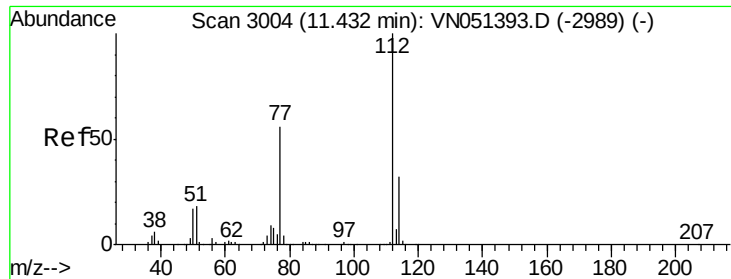
MMDadoda
9/24/2018 2:15:19 PM



#64
Tetrachloroethene
Concen: 48.698 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	323096		
166	127.9	102.3	153.5	
129	89.8	71.8	107.8	
131	85.7	68.6	102.8	





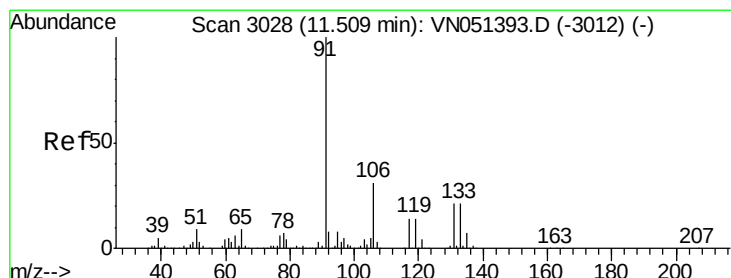
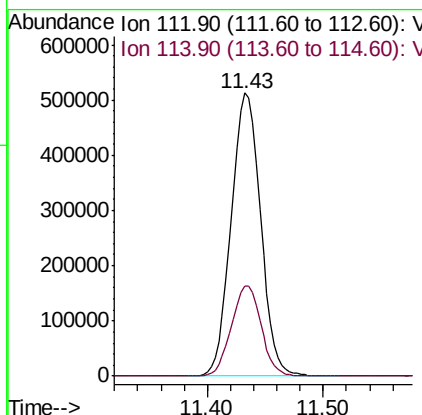
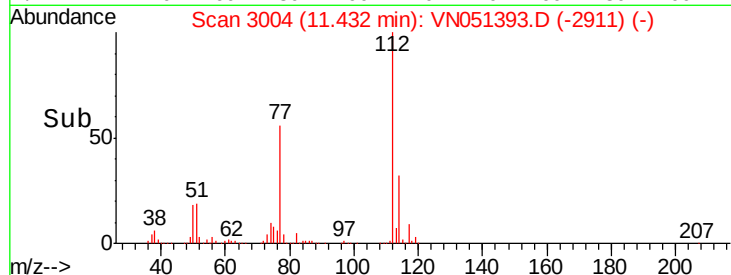
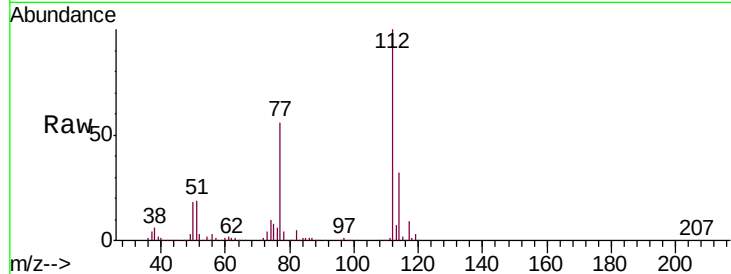
#65
Chlorobenzene
Concen: 47.923 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion:112 Resp: 898868
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

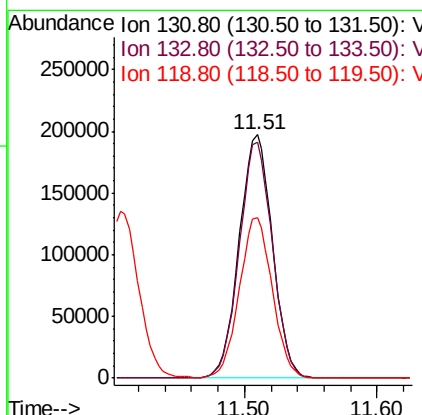
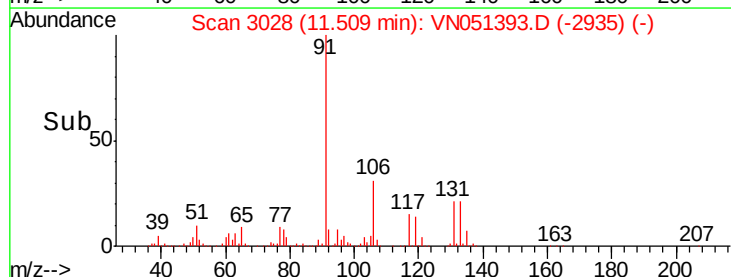
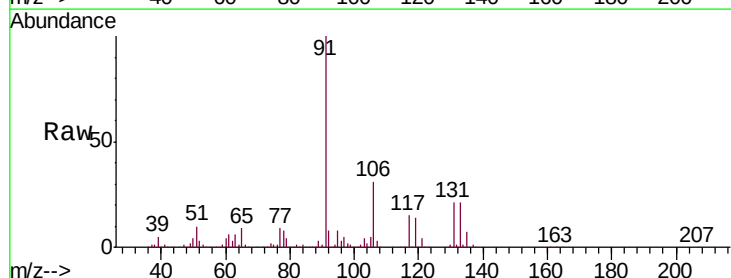
Manual Integrations
APPROVED

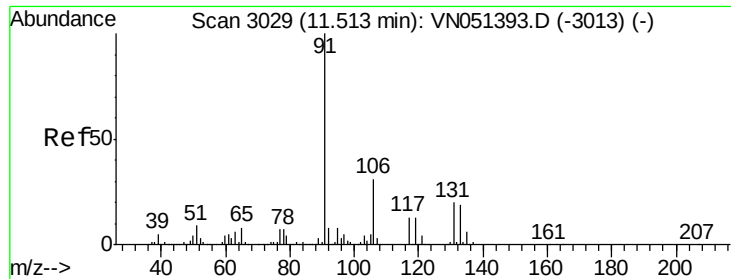
MMDadoda
9/24/2018 2:15:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.034 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion:131 Resp: 343254
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 65.6 32.8 98.4





#67

Ethyl Benzene

Concen: 49.325 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 91 Resp: 1559168

Ion Ratio Lower Upper

91 100

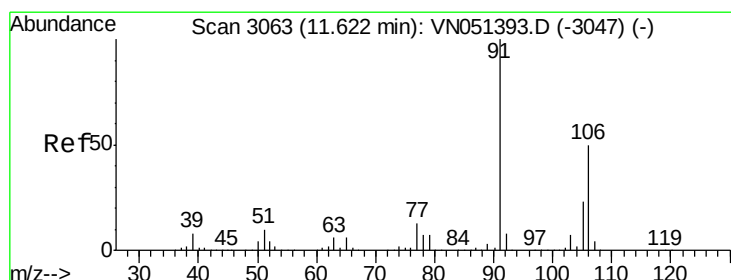
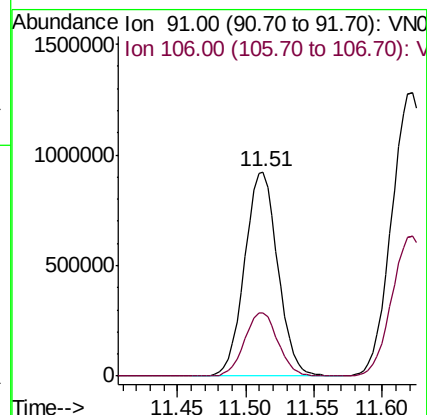
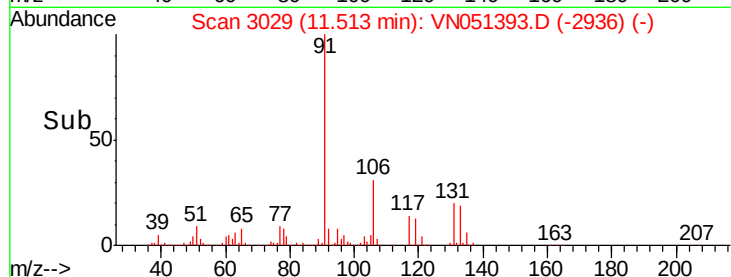
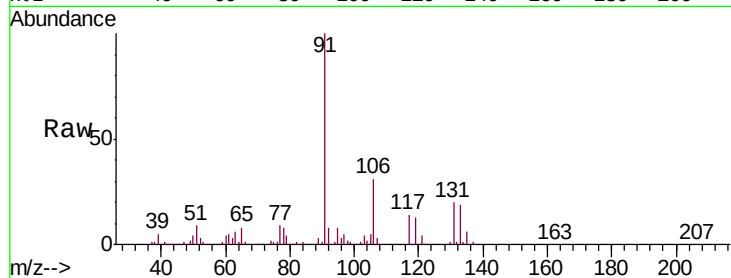
106 31.2 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:19 PM



#68

m/p-Xylenes

Concen: 99.972 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051393.D

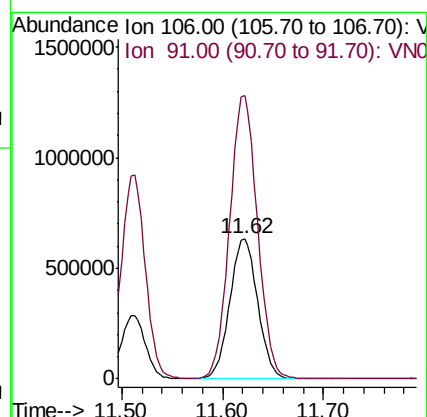
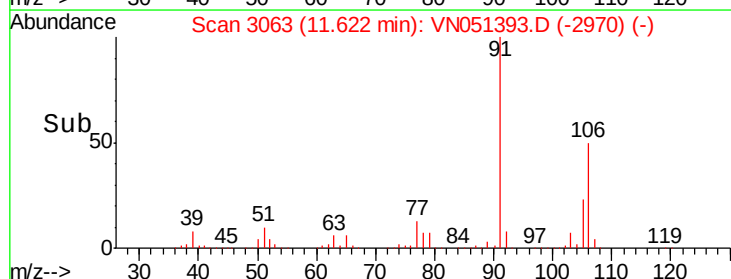
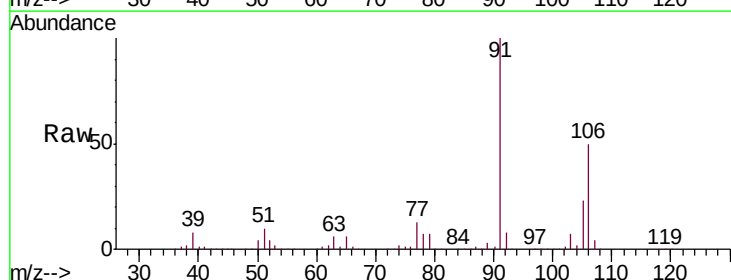
Acq: 22 Sep 2018 13:07

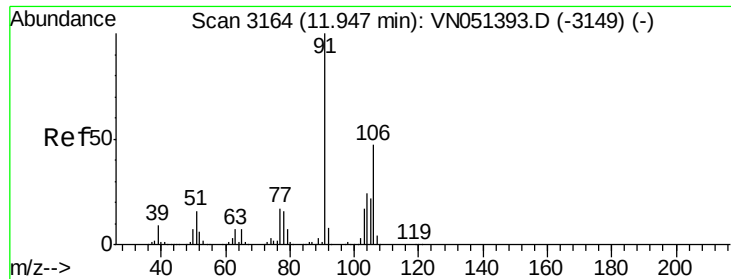
Tgt Ion: 106 Resp: 1222349

Ion Ratio Lower Upper

106 100

91 201.6 161.3 241.9





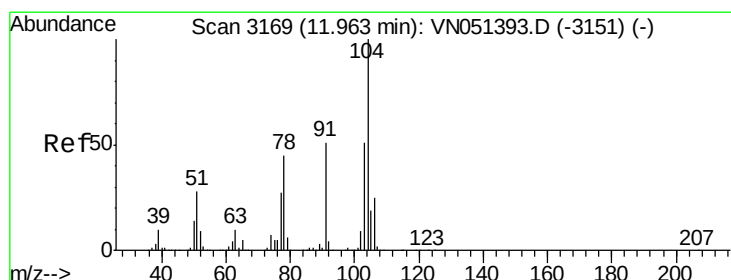
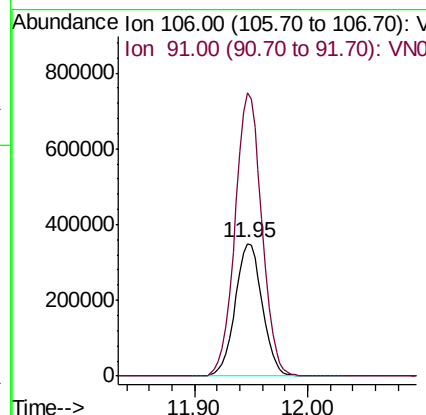
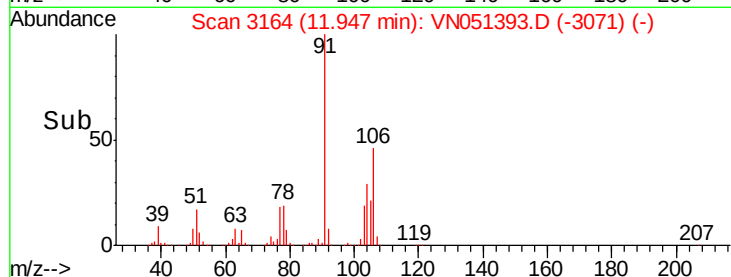
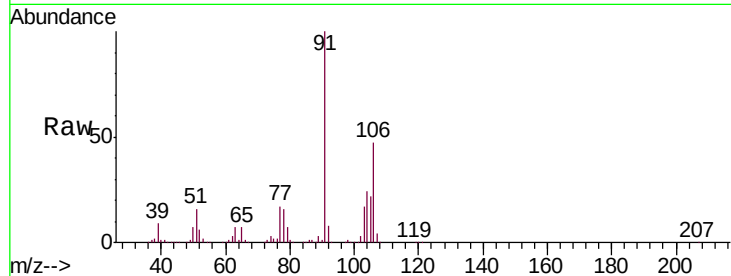
#69
o-Xylene
Concen: 49.582 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion:106 Resp: 582802
Ion Ratio Lower Upper
106 100
91 210.6 105.3 315.9

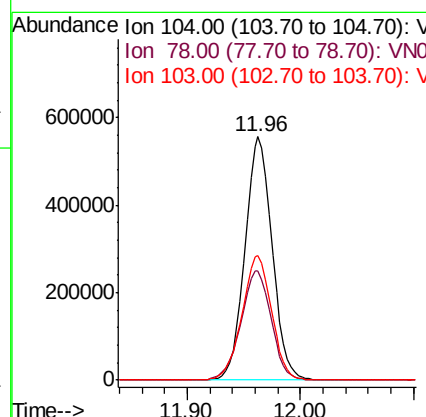
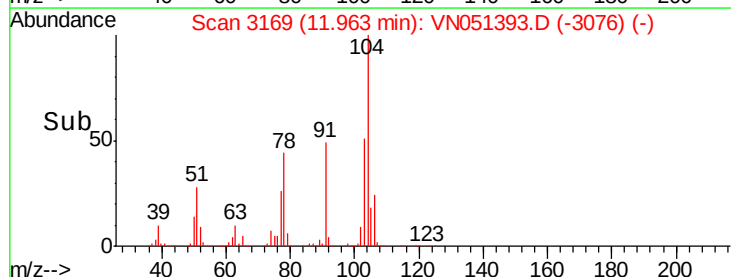
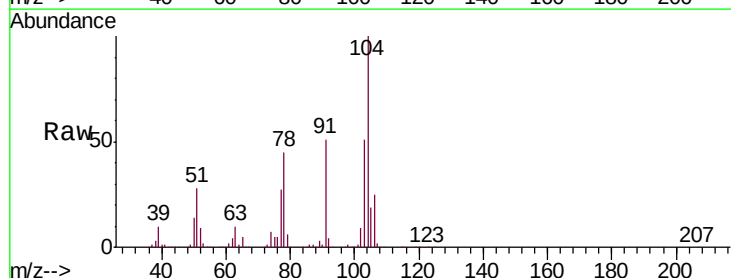
Manual Integrations
APPROVED

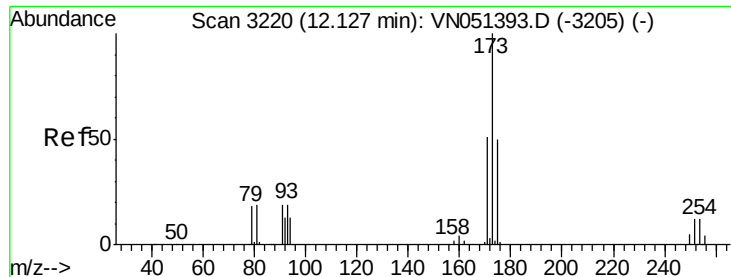
MMDadoda
9/24/2018 2:15:19 PM



#70
Styrene
Concen: 50.096 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion:104 Resp: 933077
Ion Ratio Lower Upper
104 100
78 49.9 39.9 59.9
103 55.7 44.6 66.8





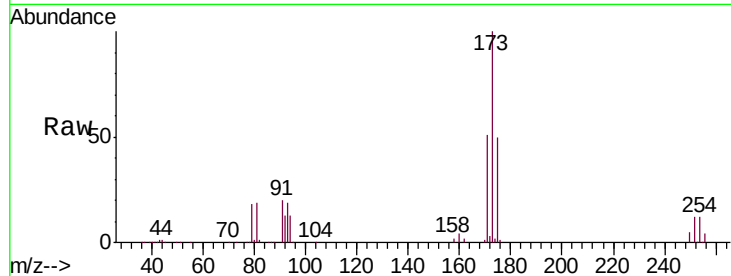
#71
Bromoform
Concen: 48.119 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

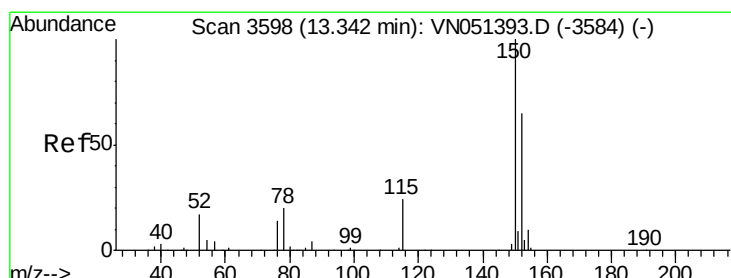
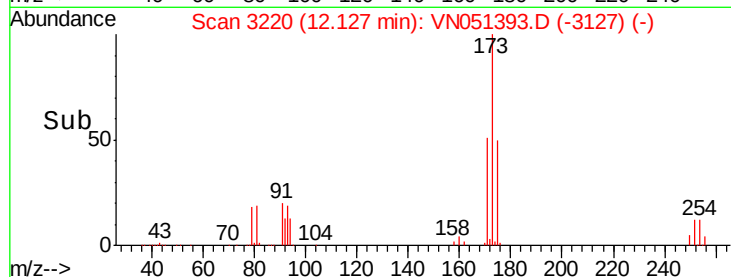
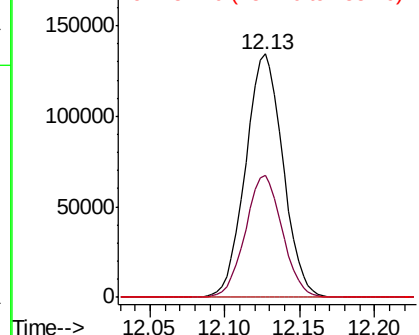
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM

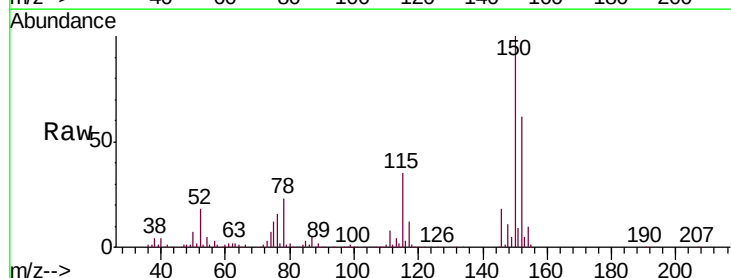


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

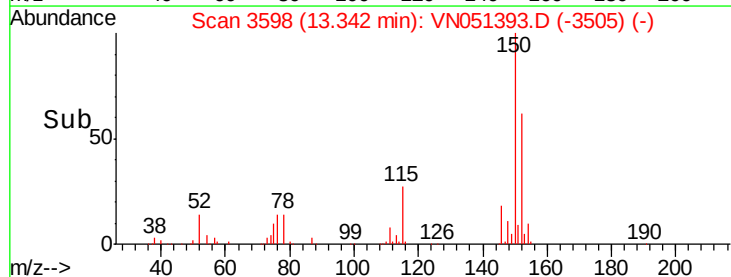
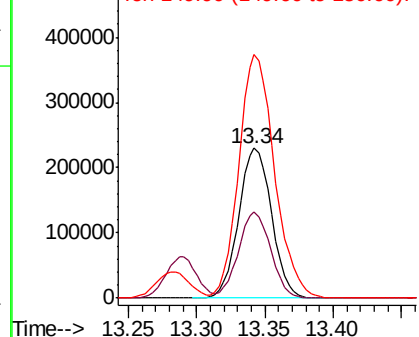


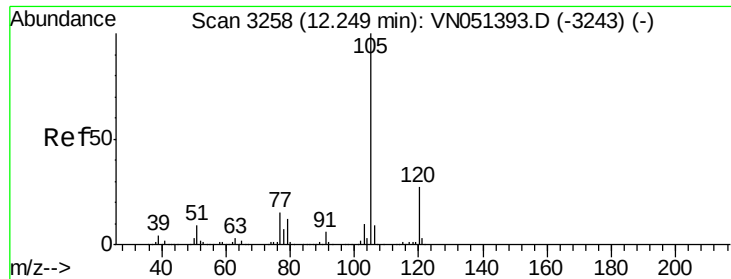
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	84.9
150	176.8	0.0	353.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





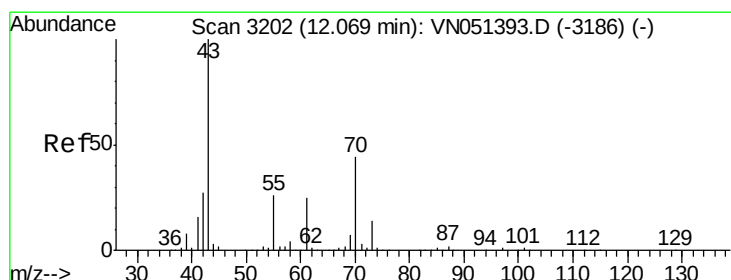
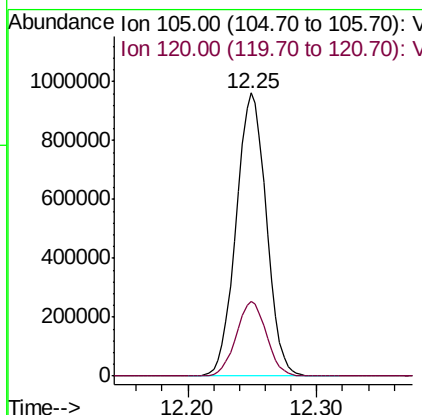
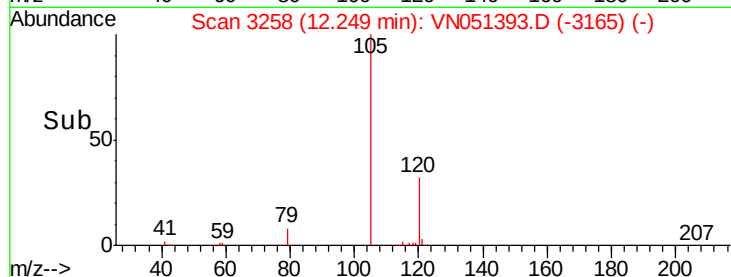
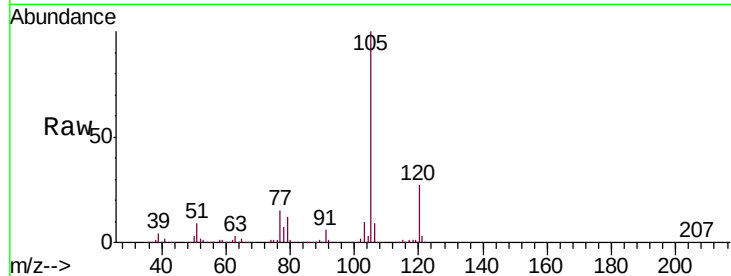
#73
Isopropylbenzene
Concen: 48.197 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion: 105 Resp: 1561793
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

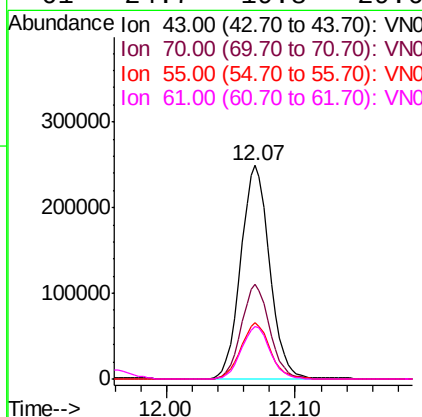
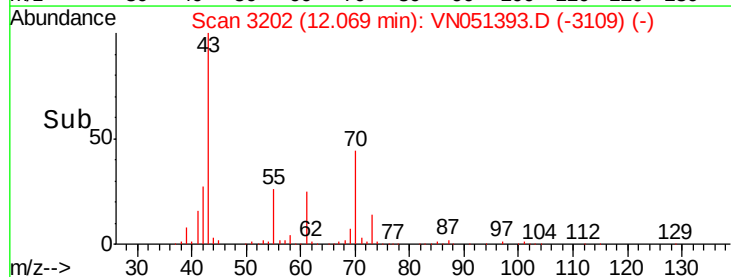
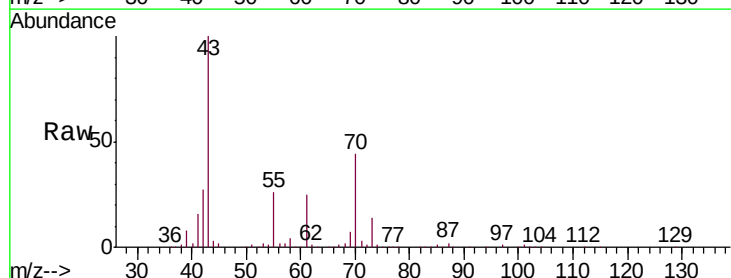
Manual Integrations
APPROVED

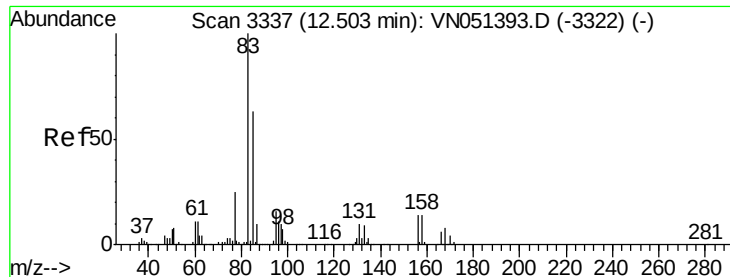
MMDadoda
9/24/2018 2:15:19 PM



#74
N-ethyl acetate
Concen: 47.642 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 43 Resp: 387346
Ion Ratio Lower Upper
43 100
70 43.7 35.0 52.4
55 26.8 21.4 32.2
61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.631 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

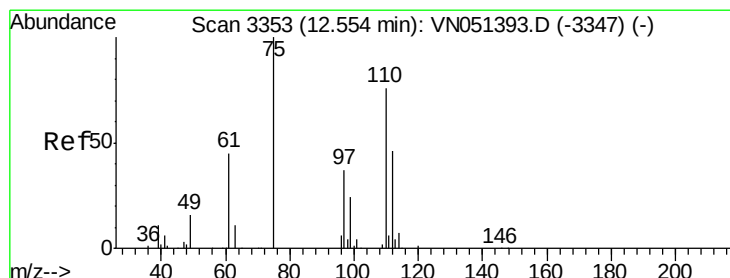
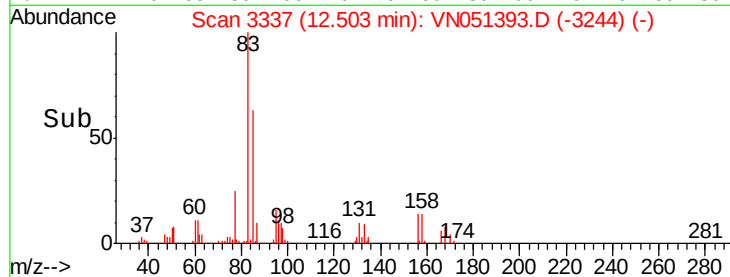
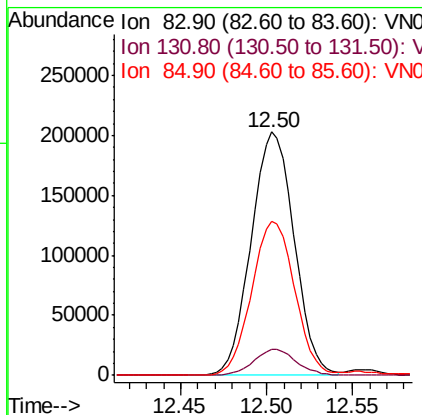
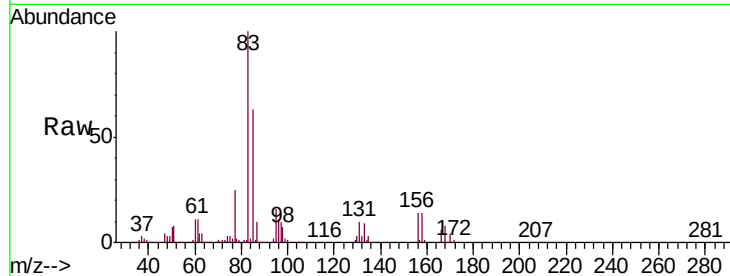
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	352360
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	63.3	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#76

1,2,3-Trichloropropane

Concen: 49.952 ug/l m

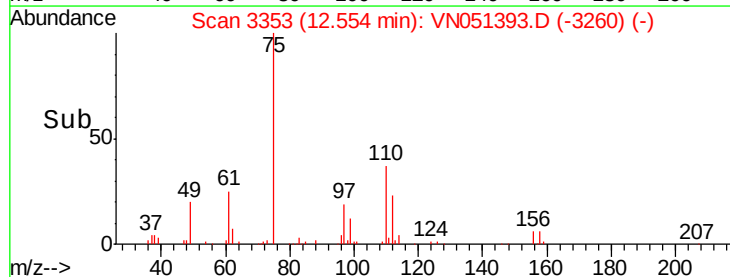
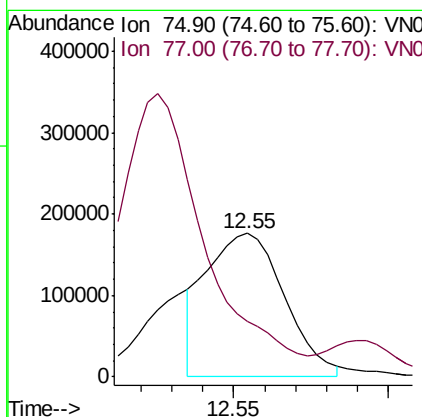
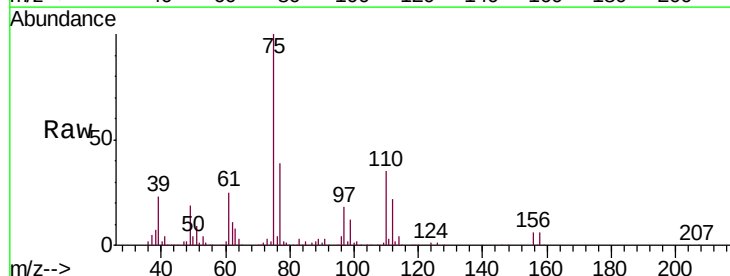
RT: 12.55 min Scan# 3353

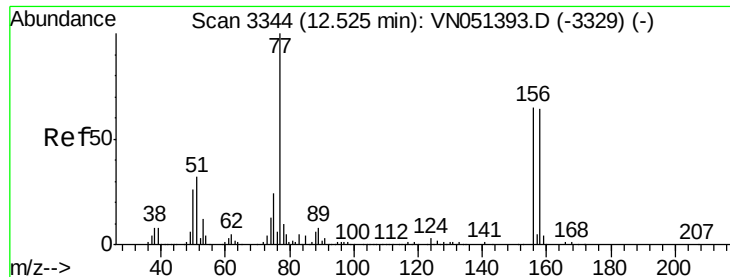
Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion:	75	Resp:	309466
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.787 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

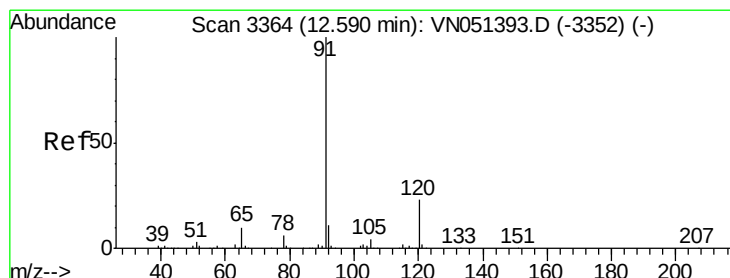
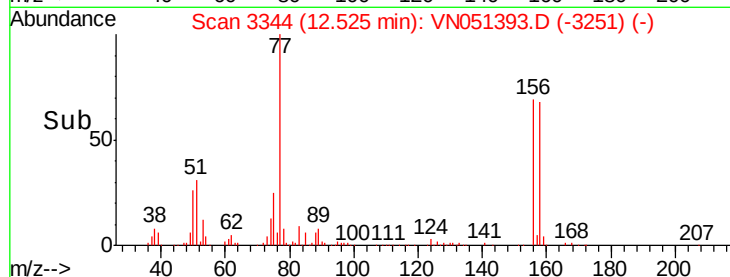
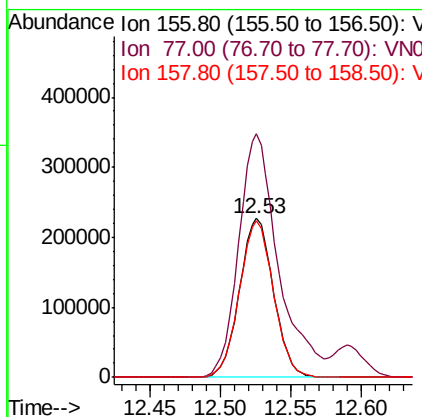
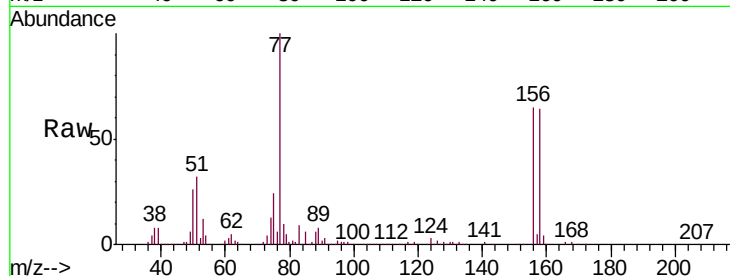
ClientSampled :

VSTDICCC050

Tgt Ion:	156	Resp:	383801
Ion Ratio	Lower	Upper	
156	100		
77	178.9	89.5	268.4
158	98.8	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#78

n-propylbenzene

Concen: 48.698 ug/l

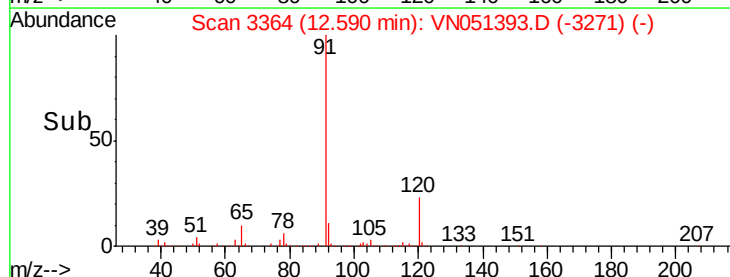
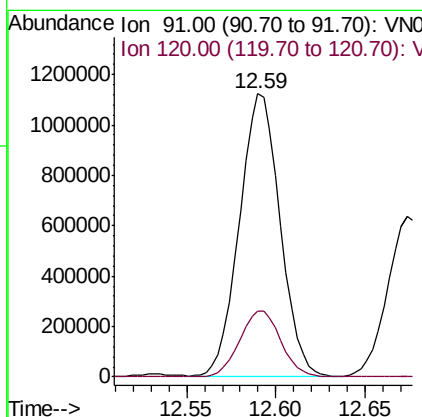
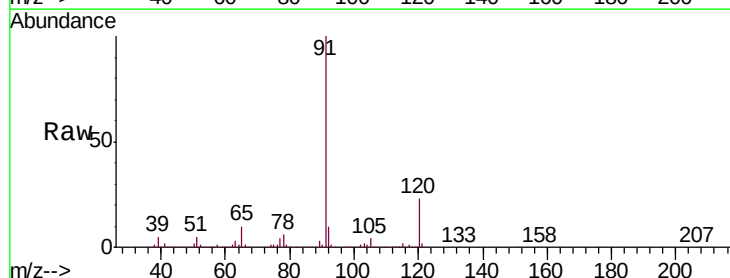
RT: 12.59 min Scan# 3364

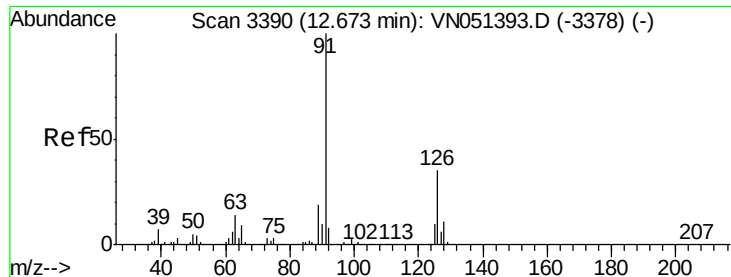
Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion:	91	Resp:	1778486
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 47.421 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion: 91 Resp: 1036655

Ion Ratio Lower Upper

91 100

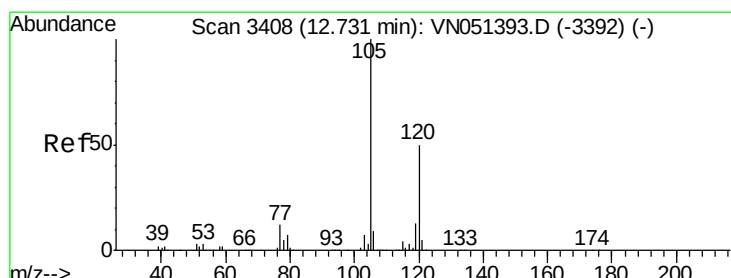
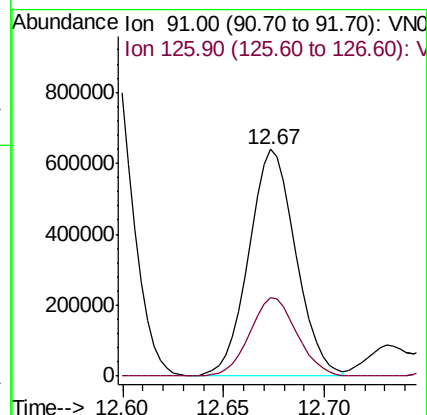
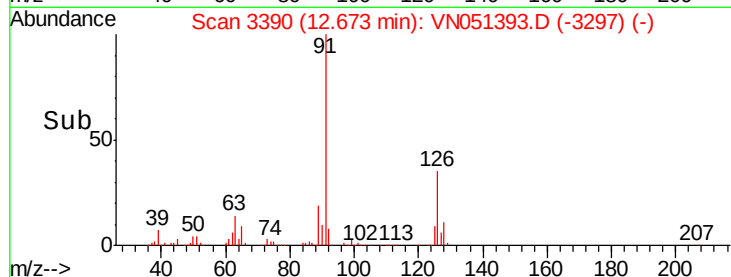
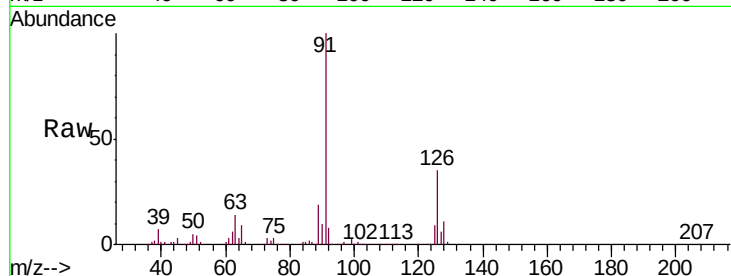
126 35.2 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:19 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.970 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051393.D

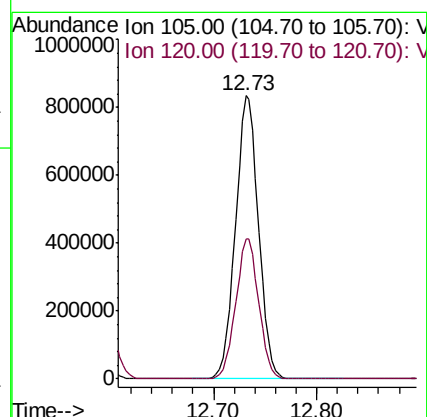
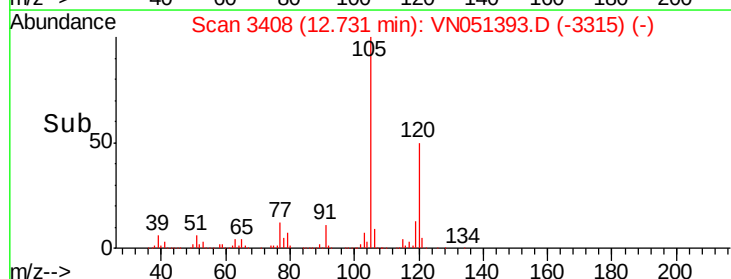
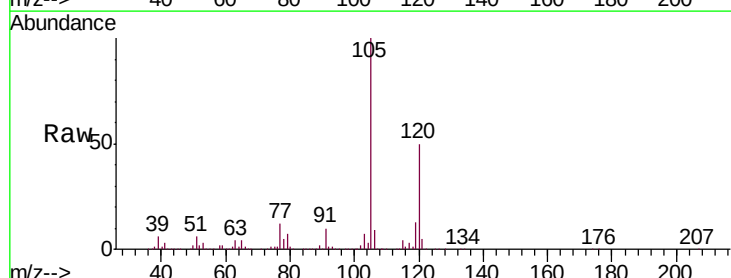
Acq: 22 Sep 2018 13:07

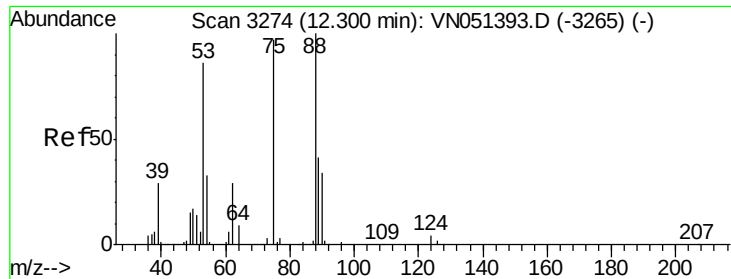
Tgt Ion: 105 Resp: 1293932

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4





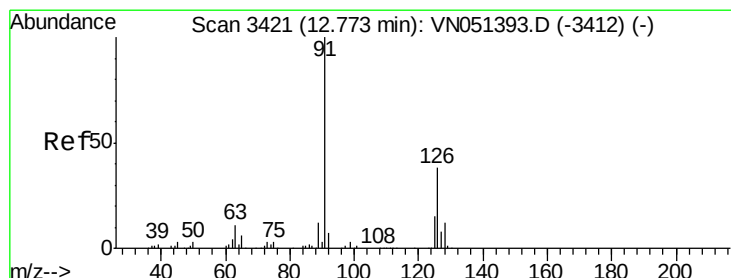
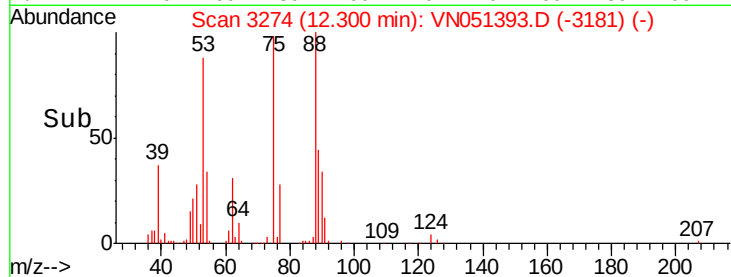
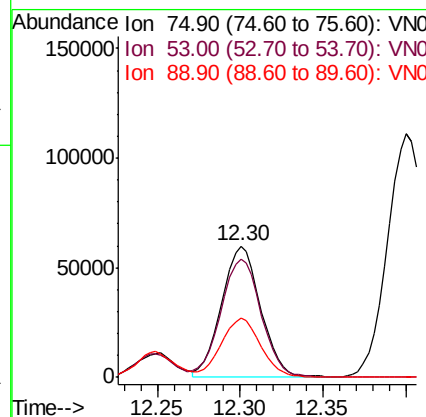
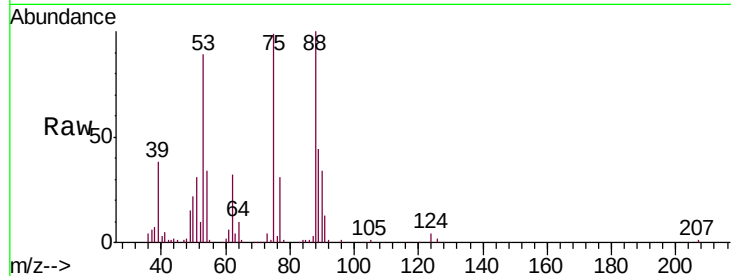
#81
trans-1,4-Dichloro-2-butene
Concen: 47.442 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.9	110.9
89	45.9	36.7	55.1

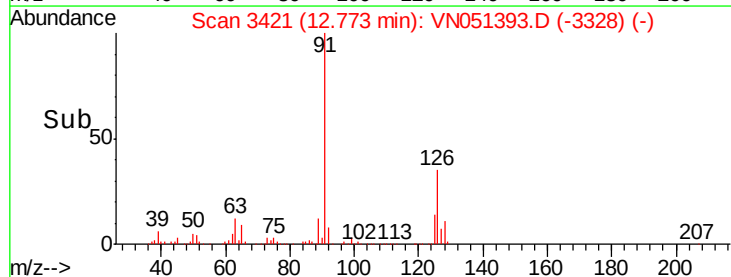
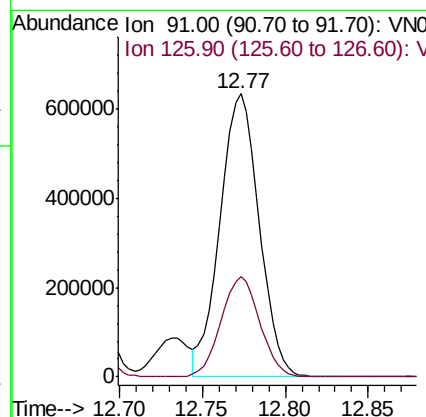
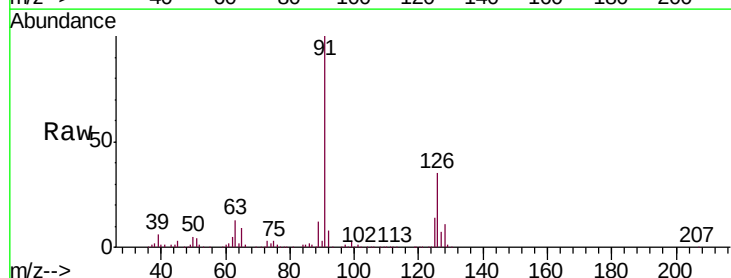
Manual Integrations
APPROVED

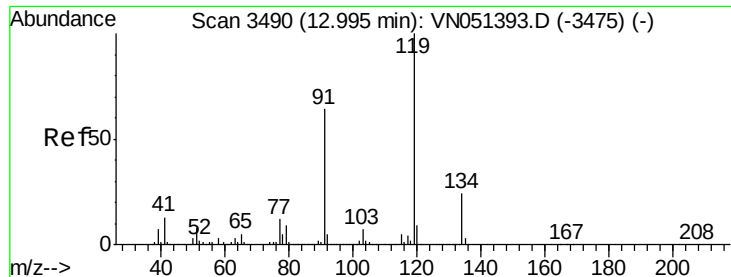
MMDadoda
9/24/2018 2:15:19 PM



#82
4-Chlorotoluene
Concen: 47.671 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





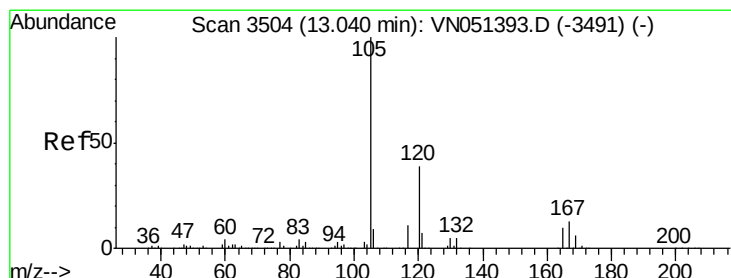
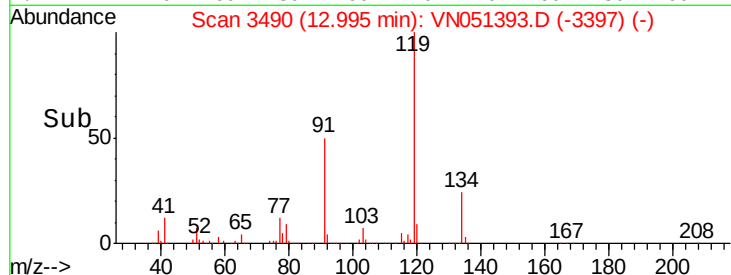
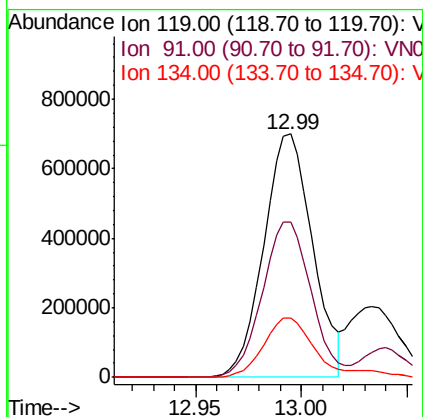
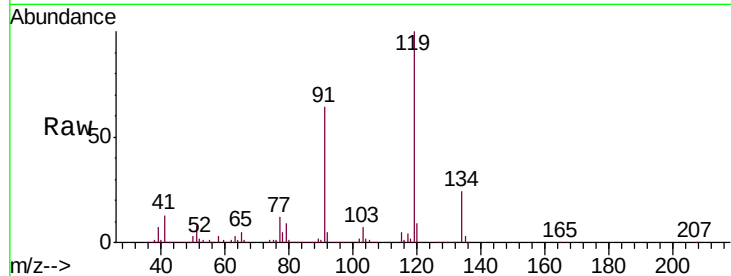
#83
 tert-Butylbenzene
 Concen: 48.075 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion:119 Resp: 1130636
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.7 95.1
 134 24.6 12.3 36.9

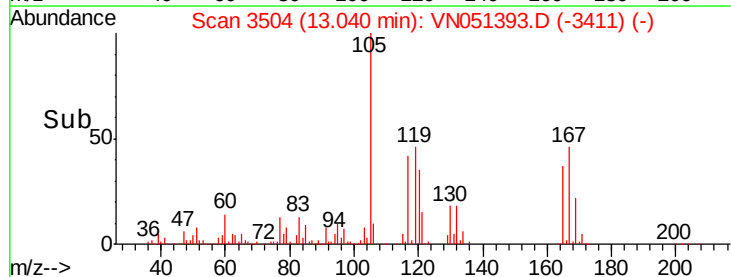
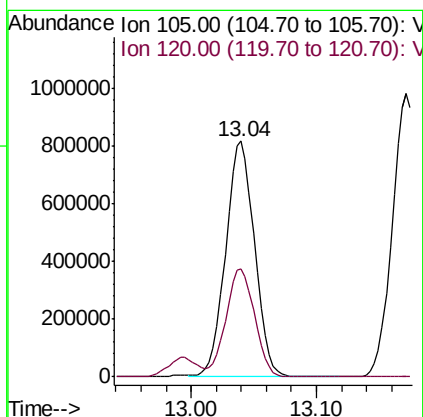
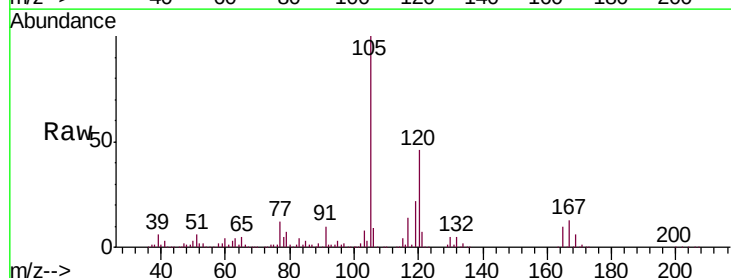
Manual Integrations
 APPROVED

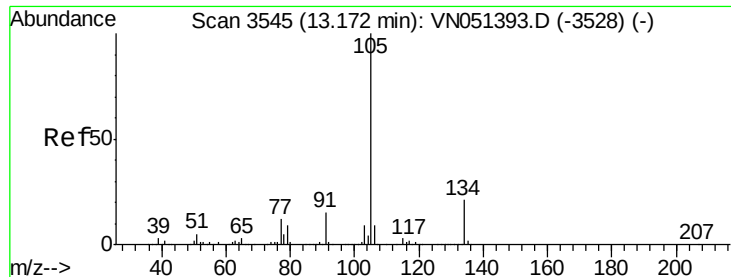
MMDadoda
 9/24/2018 2:15:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.180 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion:105 Resp: 1309431
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 48.276 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tgt Ion:105 Resp: 1535984

Ion Ratio Lower Upper

105 100

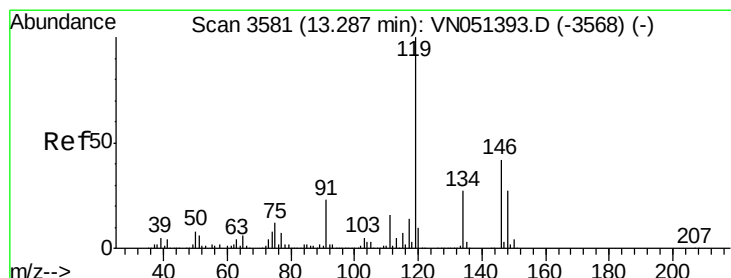
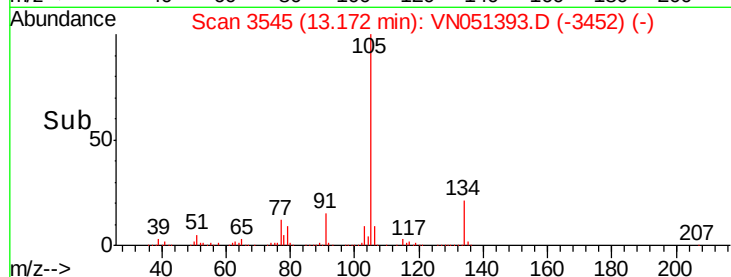
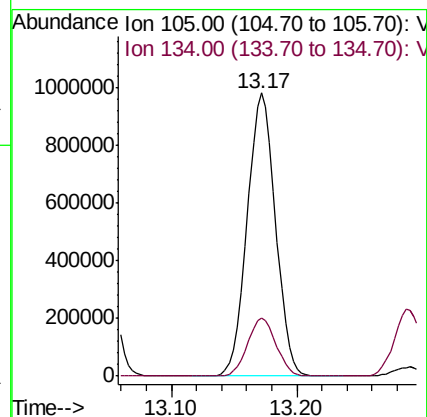
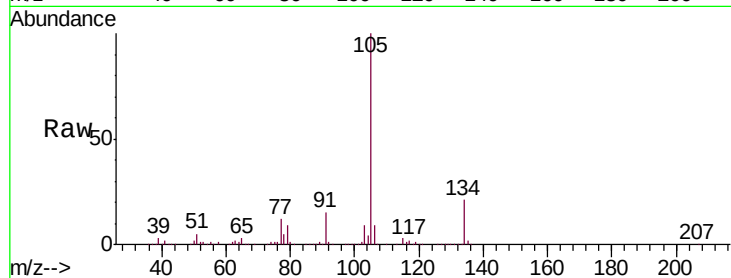
134 20.7 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:19 PM



#86

p-Isopropyltoluene

Concen: 48.962 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

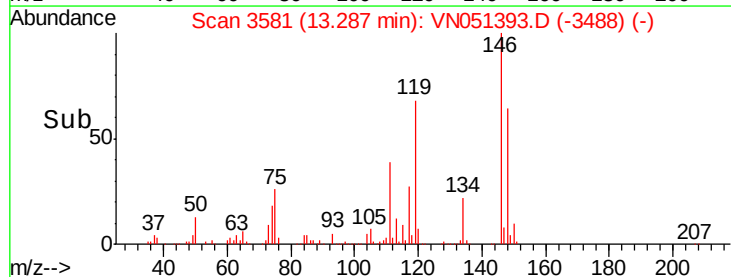
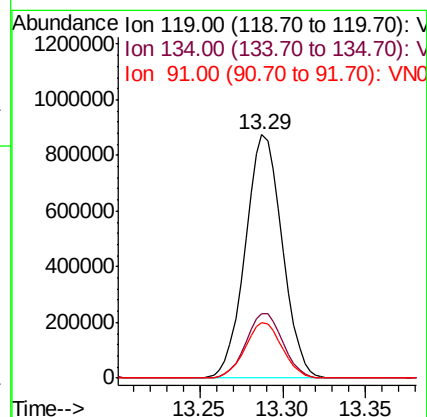
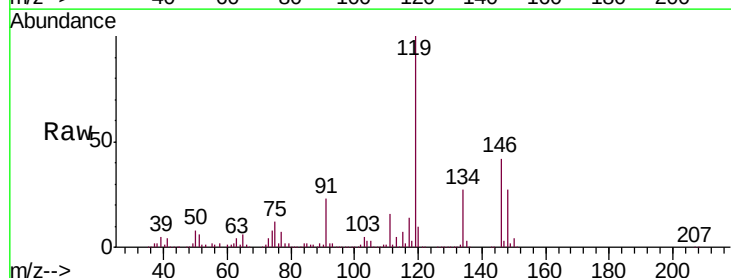
Tgt Ion:119 Resp: 1347941

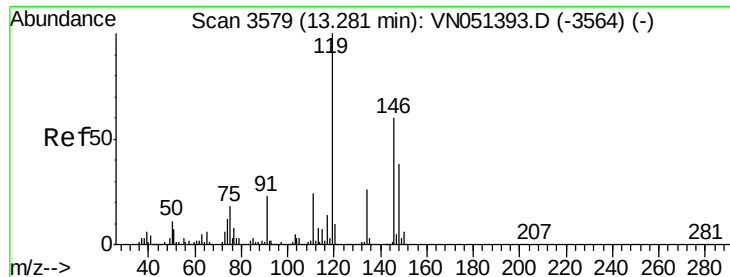
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 47.475 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

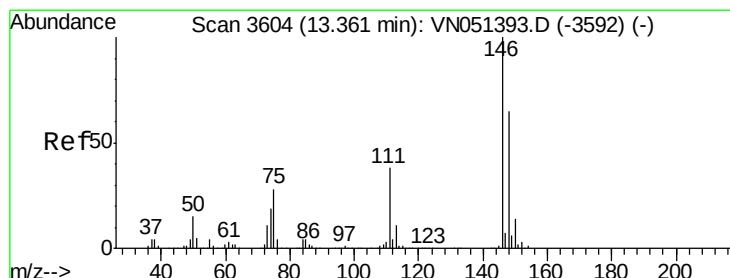
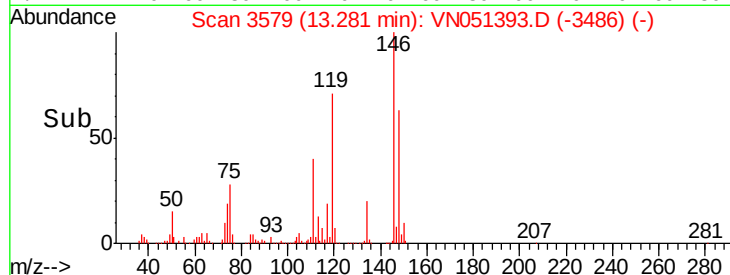
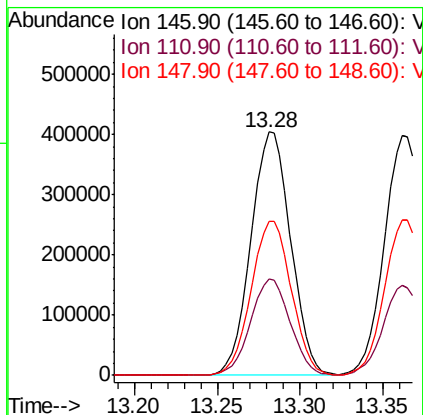
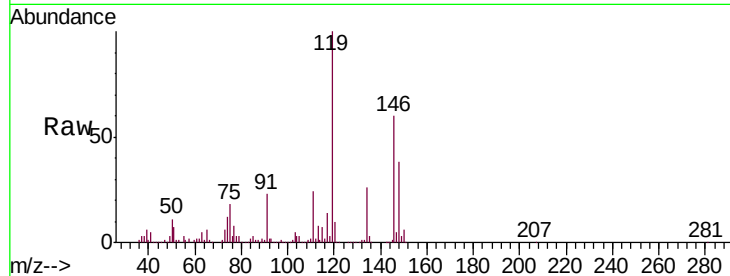
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	673944
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.7	59.1
148	63.8	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#88

1,4-Dichlorobenzene

Concen: 48.246 ug/l

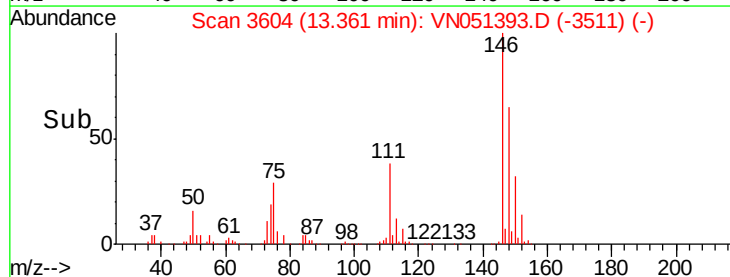
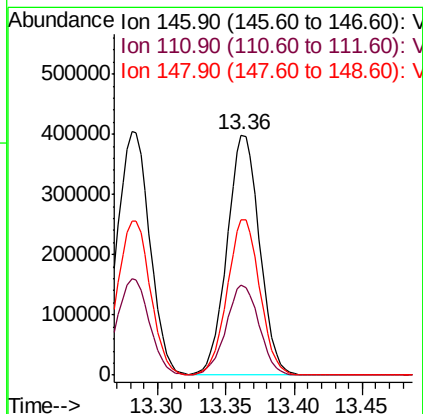
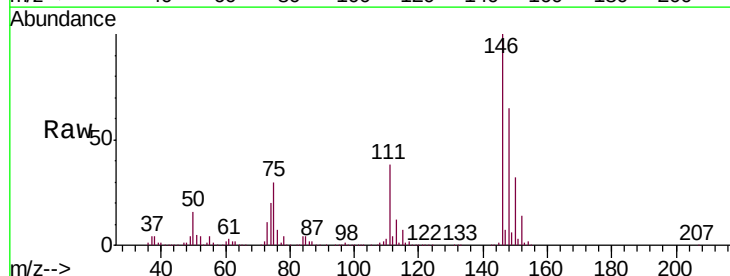
RT: 13.36 min Scan# 3604

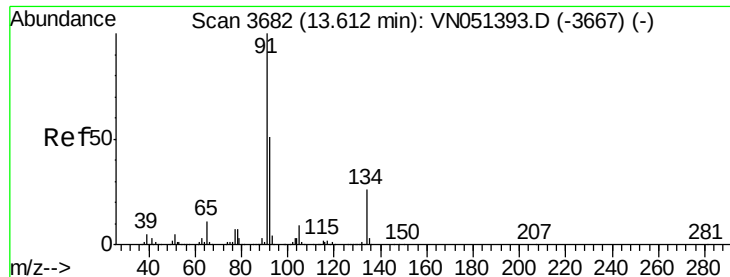
Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Tgt Ion:	146	Resp:	658987
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	65.0	32.5	97.5





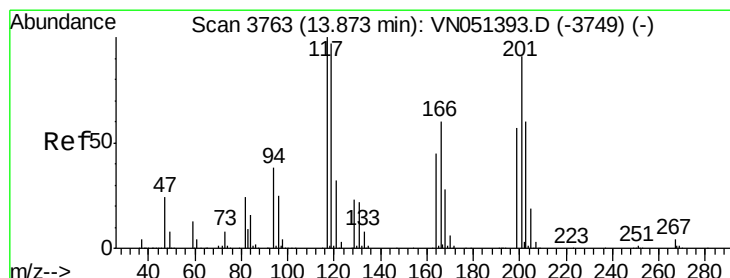
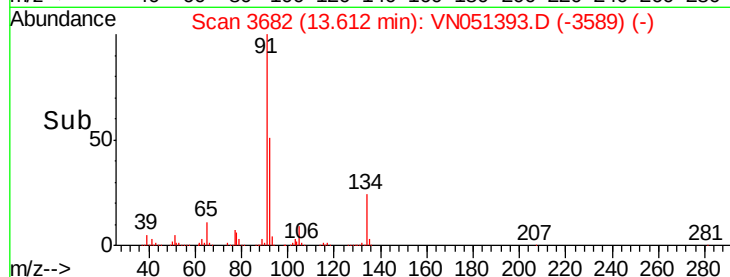
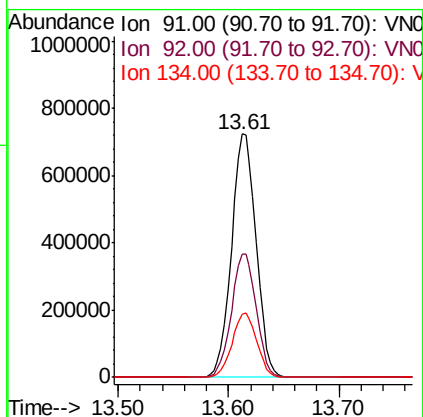
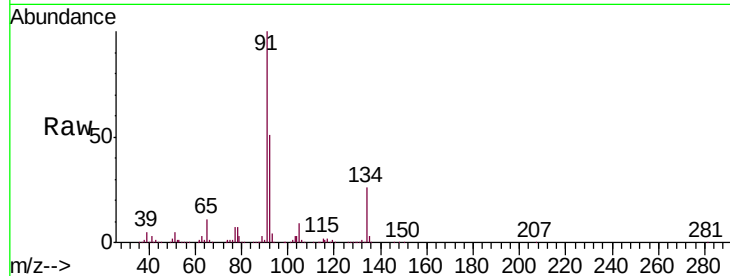
#89
n-Butylbenzene
Concen: 49.347 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1117162
Ion Ratio Lower Upper
91 100
92 51.0 25.5 76.5
134 26.5 13.3 39.8

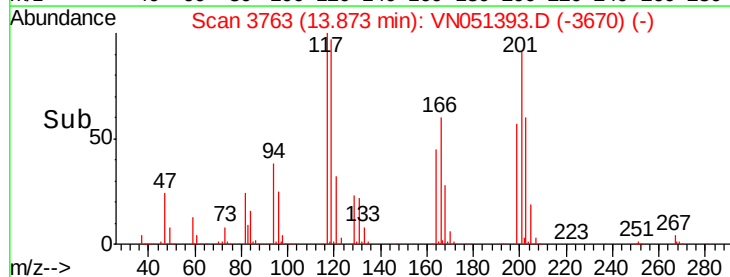
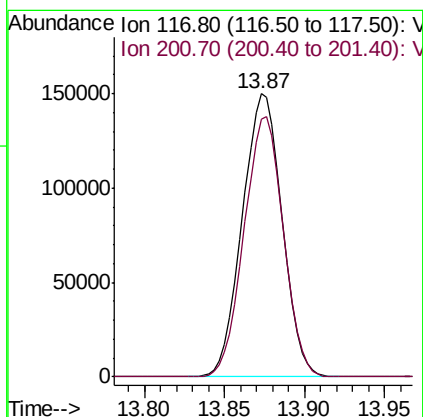
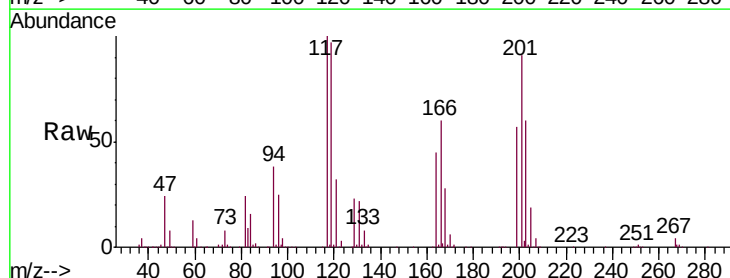
Manual Integrations
APPROVED

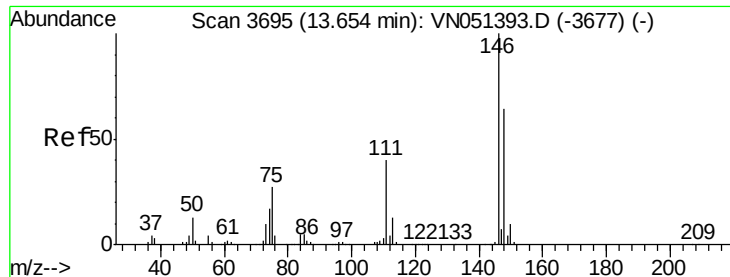
MMDadoda
9/24/2018 2:15:19 PM



#90
Hexachloroethane
Concen: 46.512 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion: 117 Resp: 255134
Ion Ratio Lower Upper
117 100
201 90.9 45.5 136.4





#91

1,2-Dichlorobenzene

Concen: 47.732 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051393.D

Acq: 22 Sep 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 146 Resp: 657437
Ion Ratio Lower Upper

146 100

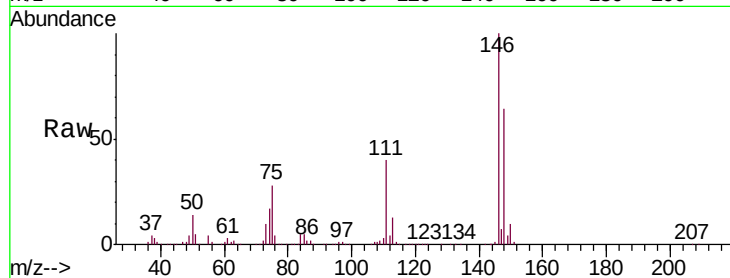
111 40.0 20.0 60.0

148 64.3 32.1 96.5

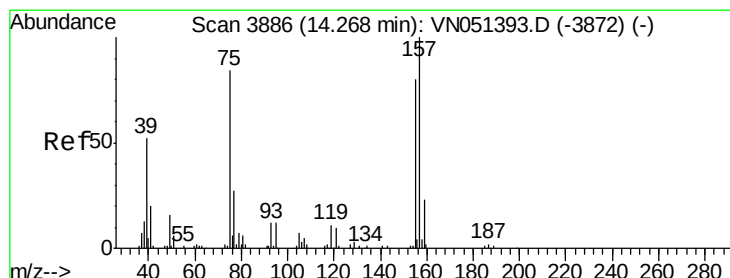
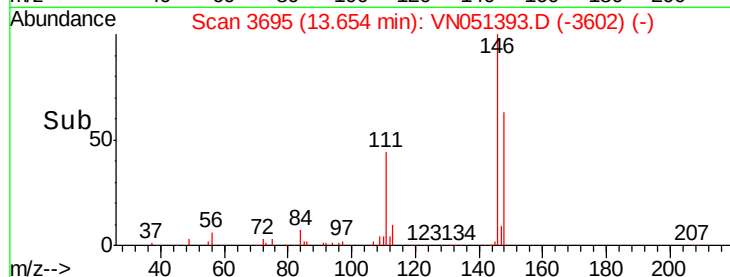
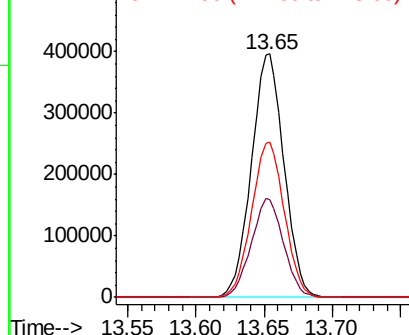
Manual Integrations
APPROVED

MMDadoda

9/24/2018 2:15:19 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.912 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051393.D

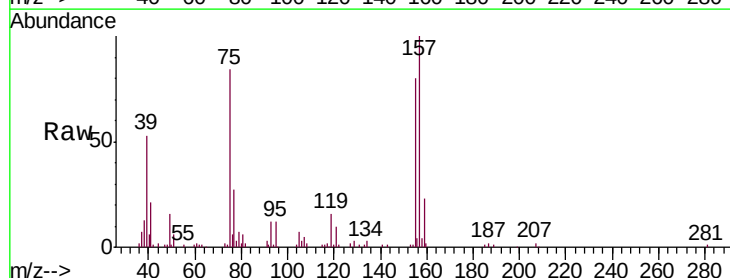
Acq: 22 Sep 2018 13:07

Tgt Ion: 75 Resp: 50589
Ion Ratio Lower Upper

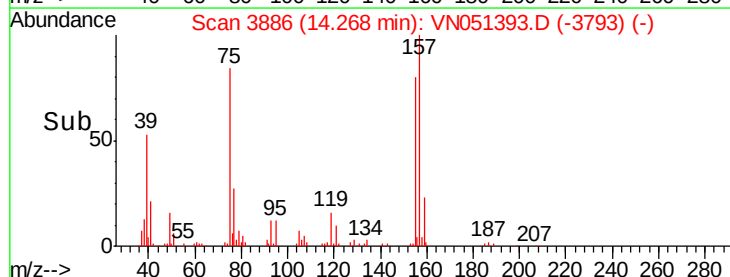
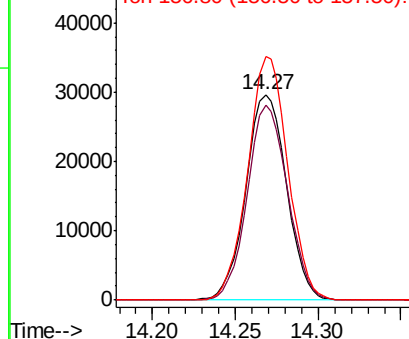
75 100

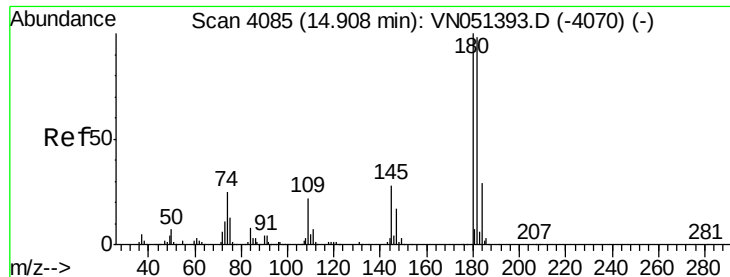
155 93.7 46.9 140.6

157 116.7 58.4 175.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





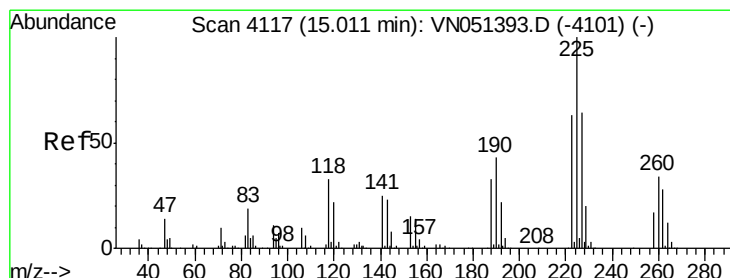
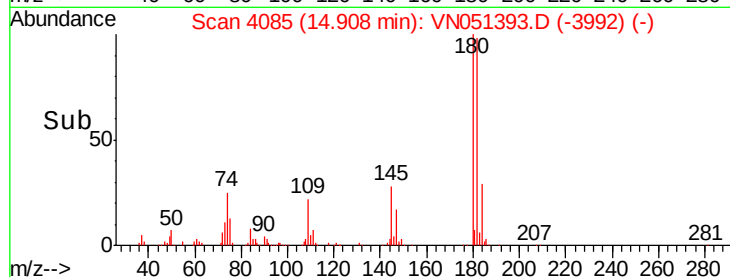
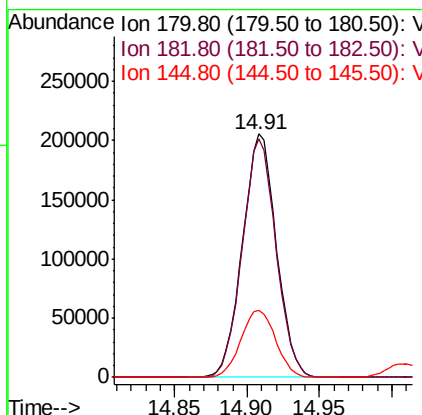
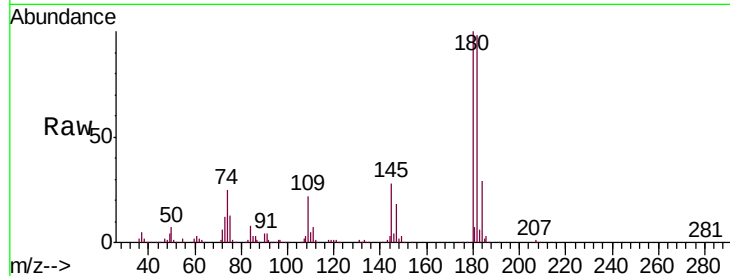
#93
 1,2,4-Trichlorobenzene
 Concen: 45.639 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	334498		
182	97.1	48.5	145.6	
145	28.3	14.1	42.4	

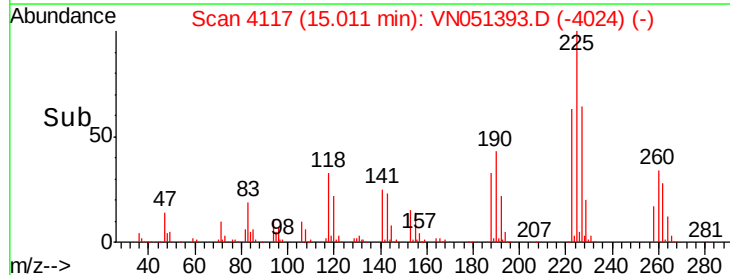
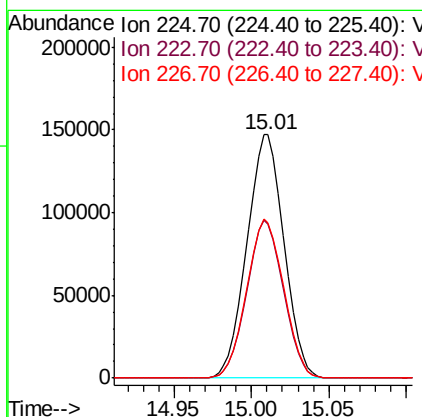
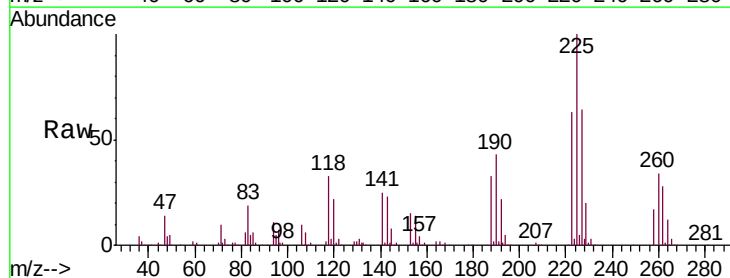
Manual Integrations
 APPROVED

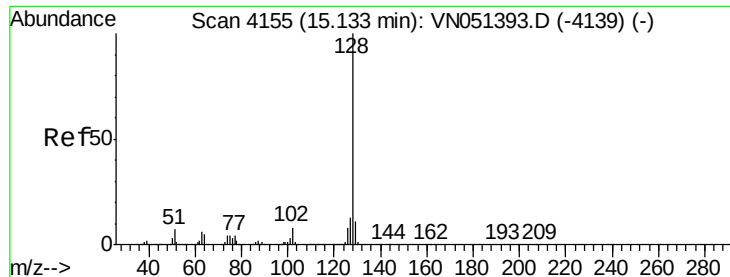
MMDadoda
 9/24/2018 2:15:19 PM



#94
 Hexachlorobutadiene
 Concen: 47.239 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051393.D
 Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	246179		
223	63.9	31.9	95.9	
227	65.0	32.5	97.5	





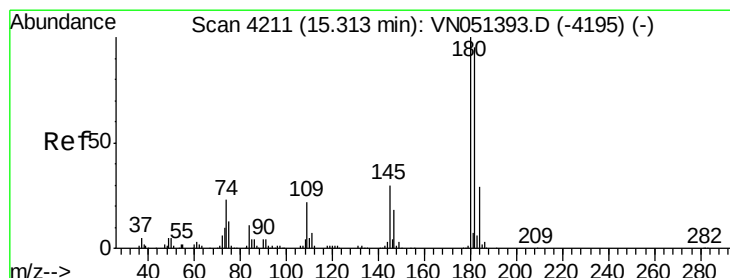
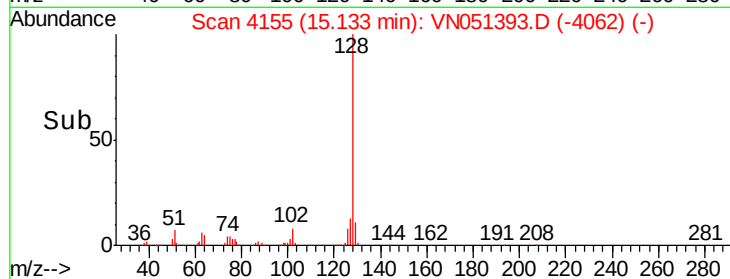
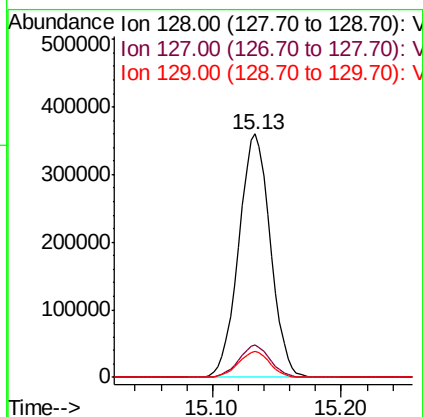
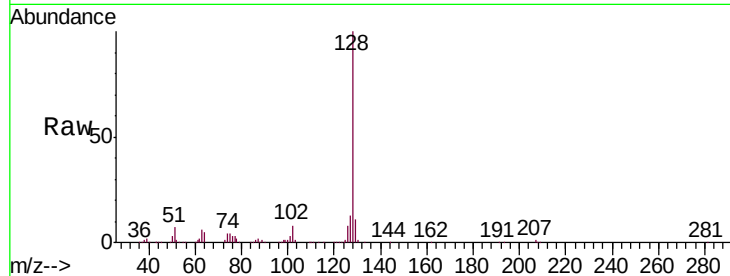
#95
Naphthalene
Concen: 44.081 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	613253		
127	13.1	10.5	15.7	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.823 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051393.D
Acq: 22 Sep 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	329326		
182	94.4	47.2	141.6	
145	29.2	14.6	43.8	

