

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051541.D
 Acq On : 26 Sep 2018 17:54
 Operator : MD\SY
 Sample : VN0927WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Quant Time: Sep 27 07:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	537492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	791077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	705036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348826	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	348803	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
35) Dibromofluoromethane	7.59	113	309508	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.09	98	1138504	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.40	95	374896	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	82628	16.478	ug/l	100
3) Chloromethane	2.06	50	134597	16.861	ug/l	99
4) Vinyl Chloride	2.18	62	146575	16.637	ug/l	98
5) Bromomethane	2.56	94	76635	14.557	ug/l	95
6) Chloroethane	2.70	64	94947	17.295	ug/l	97
7) Trichlorofluoromethane	3.01	101	202902	17.582	ug/l	98
8) Diethyl Ether	3.41	74	76817	19.545	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111698	17.150	ug/l	99
10) Methyl Iodide	3.95	142	102629	12.073	ug/l	99
11) Tert butyl alcohol	4.79	59	48162	126.743	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	99299	16.605	ug/l	95
13) Acrolein	3.61	56	29691	78.685	ug/l	100
14) Allyl chloride	4.32	41	182462	18.185	ug/l	96
15) Acrylonitrile	5.00	53	227821	110.212	ug/l	98
16) Acetone	3.82	43	166622	96.597	ug/l	94
17) Carbon Disulfide	4.05	76	258176	14.695	ug/l	99
18) Methyl Acetate	4.33	43	125489	24.472	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	310442	20.131	ug/l	99
20) Methylene Chloride	4.55	84	124729	18.721	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	105947	17.318	ug/l	100
22) Diisopropyl ether	5.96	45	402444	20.750	ug/l	97
23) Vinyl Acetate	5.90	43	1297261	101.882	ug/l	99
24) 1,1-Dichloroethane	5.85	63	227093	19.624	ug/l	98
25) 2-Butanone	6.84	43	262843	114.054	ug/l	96
26) 2,2-Dichloropropane	6.83	77	174565	19.325	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	125784	18.739	ug/l	97
28) Bromochloromethane	7.20	49	118871	22.244	ug/l	99
29) Tetrahydrofuran	7.22	42	177517	121.552	ug/l	97
30) Chloroform	7.37	83	229755	20.037	ug/l	99
31) Cyclohexane	7.66	56	181448	17.114	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	185075	18.880	ug/l	99
36) 1,1-Dichloropropene	7.79	75	157731	17.218	ug/l	99
37) Ethyl Acetate	6.93	43	116505	22.119	ug/l	99
38) Carbon Tetrachloride	7.78	117	162694	16.980	ug/l	96

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 Data File : VN051541.D
 Acq On : 26 Sep 2018 17:54
 Operator : MD\SY
 Sample : VN0927WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Quant Time: Sep 27 07:57:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167688	15.659	ug/l	95
40) Benzene	8.04	78	490473	18.234	ug/l	99
41) Methacrylonitrile	7.17	41	49124	16.858	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	162633	18.883	ug/l	99
43) Isopropyl Acetate	8.17	43	212334	22.294	ug/l #	90
44) Trichloroethene	8.84	130	125327	17.542	ug/l	97
45) 1,2-Dichloropropane	9.12	63	139725	19.110	ug/l	99
46) Dibromomethane	9.21	93	80204	19.414	ug/l	96
47) Bromodichloromethane	9.40	83	170227	18.619	ug/l	99
48) Methyl methacrylate	9.20	41	99841	21.026	ug/l	96
49) 1,4-Dioxane	9.20	88	26672	458.313	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	599158	114.385	ug/l	98
52) Toluene	10.16	92	298121	17.834	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	167241	18.119	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	194903	18.209	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	119179	20.173	ug/l	97
56) Ethyl methacrylate	10.43	69	142789	19.769	ug/l	98
57) 1,3-Dichloropropane	10.71	76	194850	19.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	383291	110.435	ug/l	97
59) 2-Hexanone	10.75	43	377702	111.231	ug/l	97
60) Dibromochloromethane	10.90	129	127755	18.328	ug/l	99
61) 1,2-Dibromoethane	11.01	107	109531	19.099	ug/l	100
64) Tetrachloroethene	10.63	164	113711	17.771	ug/l	94
65) Chlorobenzene	11.43	112	325794	18.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	126290	18.325	ug/l	99
67) Ethyl Benzene	11.51	91	533744	17.509	ug/l	100
68) m/p-Xylenes	11.62	106	415377	35.226	ug/l	99
69) o-Xylene	11.95	106	198822	17.539	ug/l	96
70) Styrene	11.97	104	318393	17.725	ug/l	99
71) Bromoform	12.13	173	89442	19.126	ug/l #	98
73) Isopropylbenzene	12.25	105	542497	18.432	ug/l	100
74) N-amyl acetate	12.07	43	156690	21.219	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	152012	22.149	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	180232	31.124	ug/l #	100
77) Bromobenzene	12.53	156	135363	18.168	ug/l	93
78) n-propylbenzene	12.59	91	620222	18.698	ug/l	97
79) 2-Chlorotoluene	12.67	91	382302	19.254	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	451829	18.827	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	39153	20.791	ug/l	98
82) 4-Chlorotoluene	12.77	91	367752	18.557	ug/l	99
83) tert-Butylbenzene	12.99	119	396057	18.541	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	455064	18.817	ug/l	100
85) sec-Butylbenzene	13.17	105	542594	18.776	ug/l	99
86) p-Isopropyltoluene	13.29	119	462967	18.515	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	239040	18.540	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	228227	18.397	ug/l	98
89) n-Butylbenzene	13.62	91	357978	17.410	ug/l	99
90) Hexachloroethane	13.88	117	91423	18.350	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	239760	19.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21568	22.020	ug/l	97

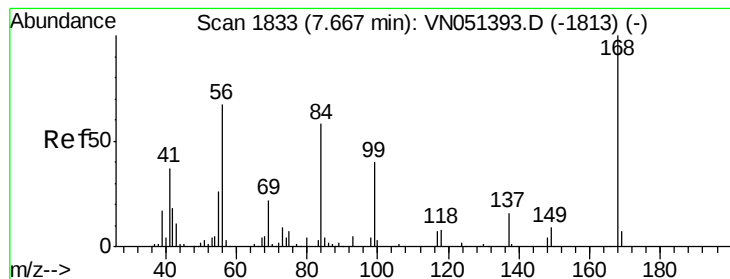
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051541.D
Acq On : 26 Sep 2018 17:54
Operator : MD\SY
Sample : VN0927WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Quant Time: Sep 27 07:57:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100109	19.049	ug/l	99
94) Hexachlorobutadiene	15.01	225	88904	18.783	ug/l	98
95) Naphthalene	15.14	128	189232	20.287	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	108390	18.054	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

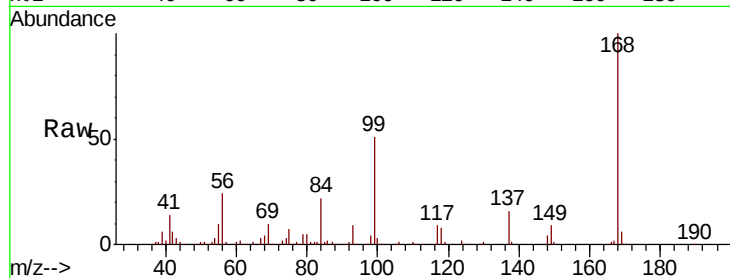
VN0927WBS01

Tot Ion:168 Resp: 537492

Ion Ratio Lower Upper

168 100

99 50.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

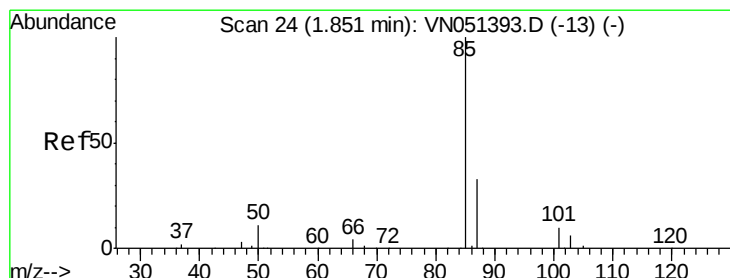
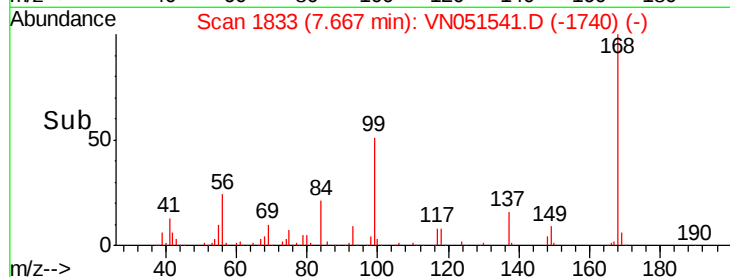
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.478 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051541.D

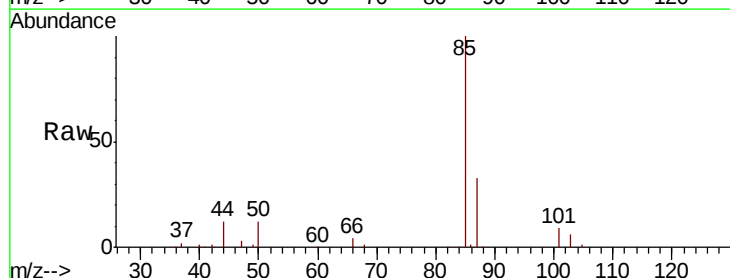
Acq: 26 Sep 2018 17:54

Tgt Ion: 85 Resp: 82628

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

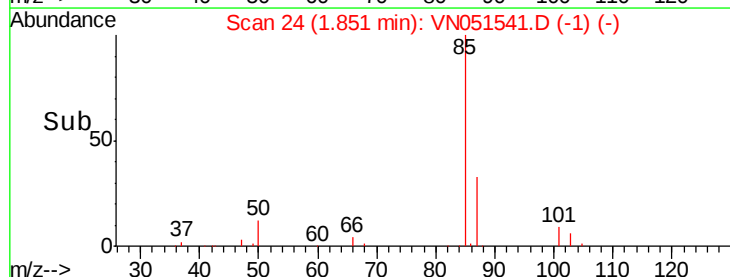
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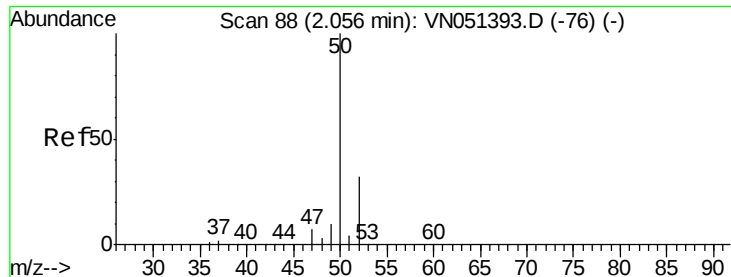
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.861 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

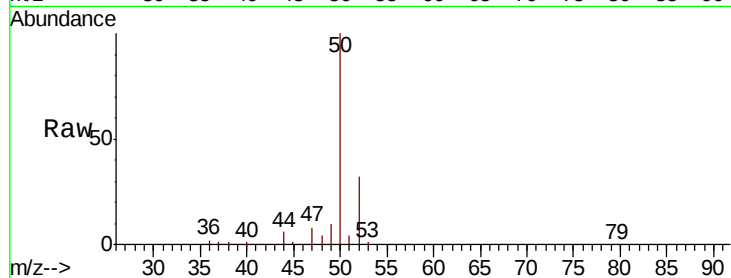
VN0927WBS01

Tot Ion: 50 Resp: 134597

Ion Ratio Lower Upper

50 100

52 32.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

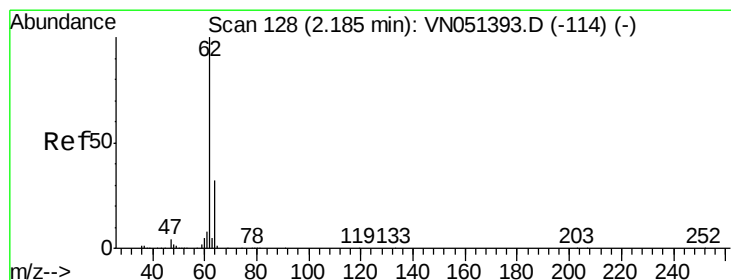
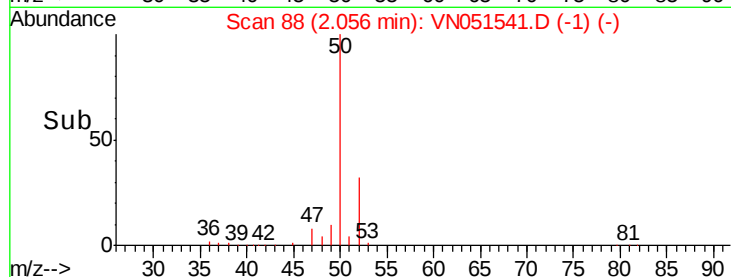
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 16.637 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051541.D

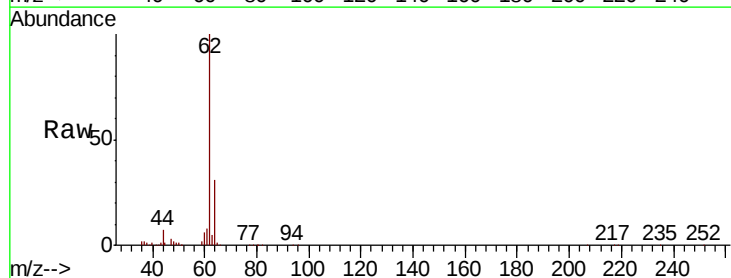
Acq: 26 Sep 2018 17:54

Tgt Ion: 62 Resp: 146575

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

100000

80000

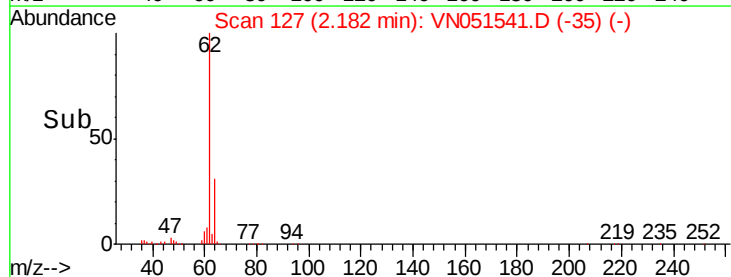
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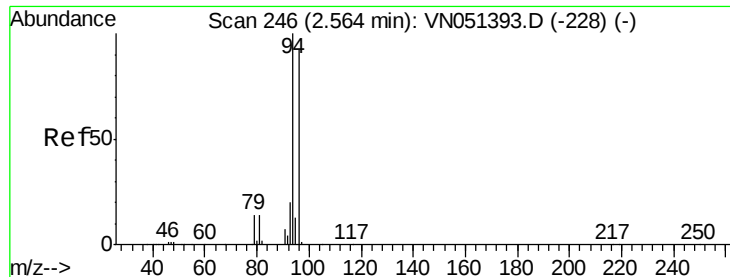
40000

20000

0

Time-->





#5

Bromomethane

Concen: 14.557 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

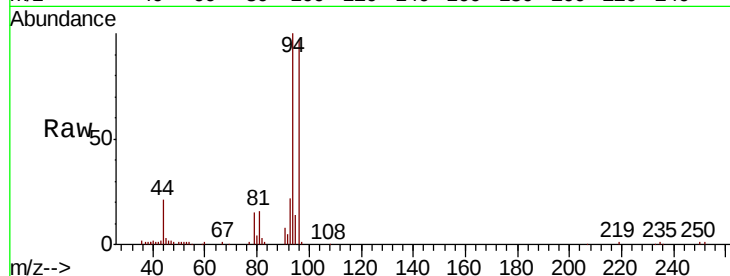
VN0927WBS01

Tot Ion: 94 Resp: 76635

Ion Ratio Lower Upper

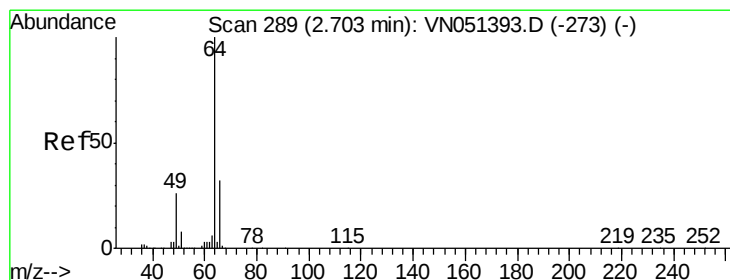
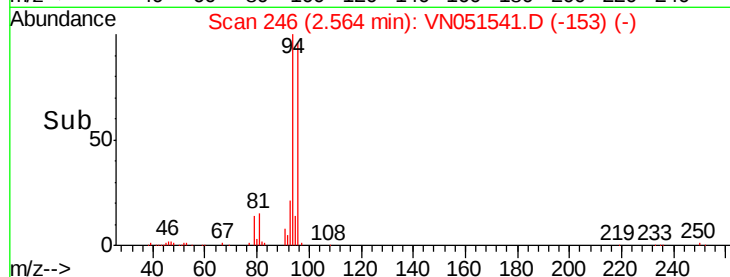
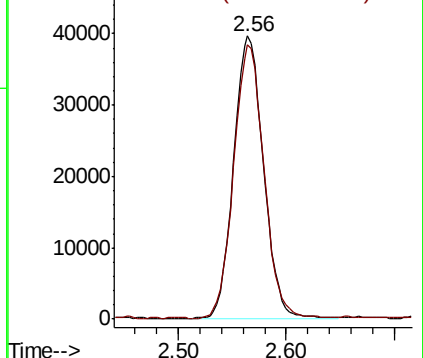
94 100

96 96.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.295 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051541.D

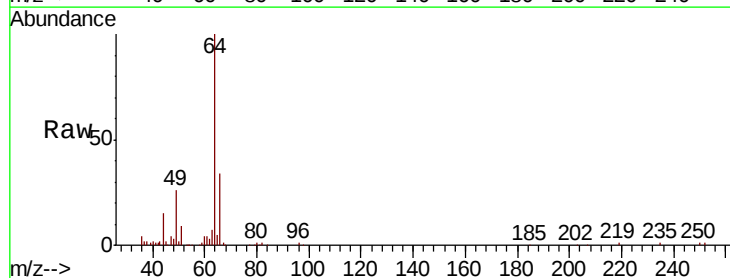
Acq: 26 Sep 2018 17:54

Tgt Ion: 64 Resp: 94947

Ion Ratio Lower Upper

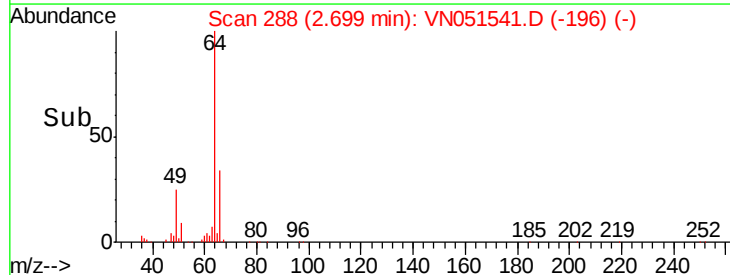
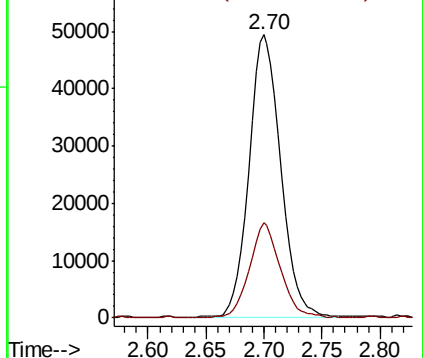
64 100

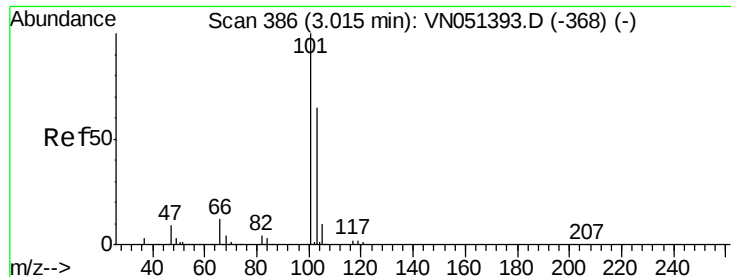
66 33.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



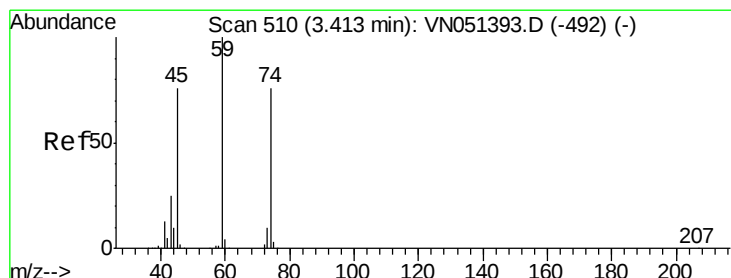
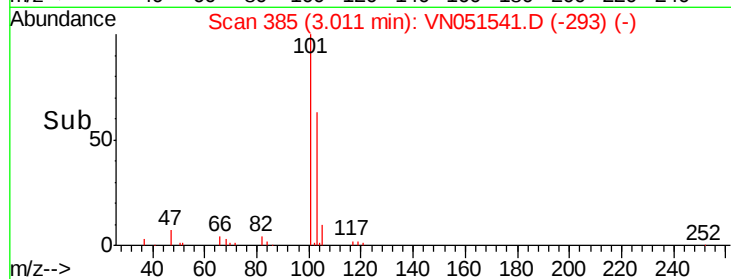
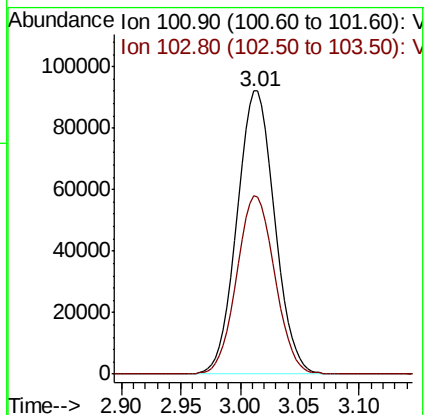
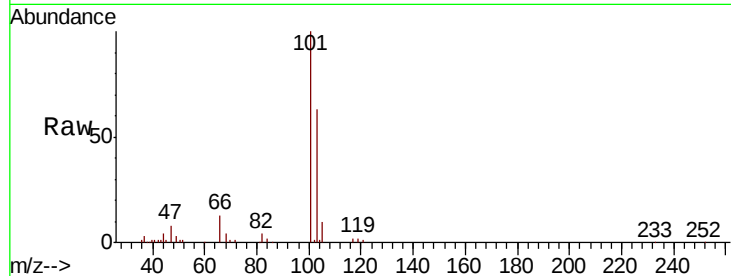


#7

Trichlorofluoromethane
 Concen: 17.582 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

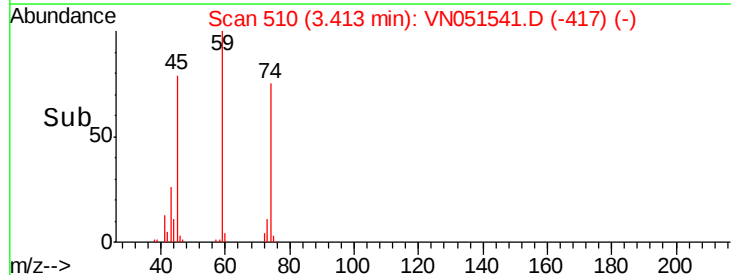
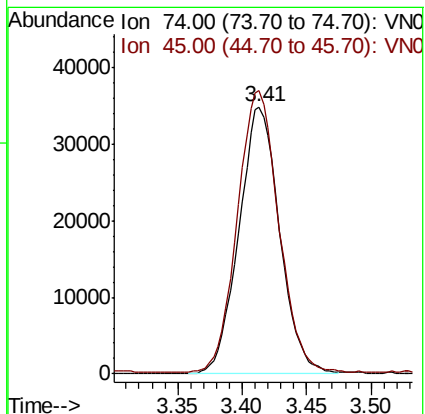
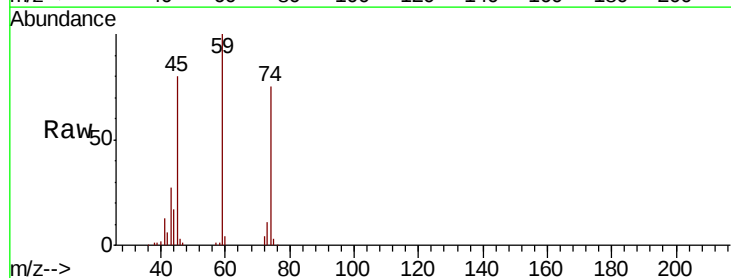
Tot Ion:101 Resp: 202902
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.8 77.8

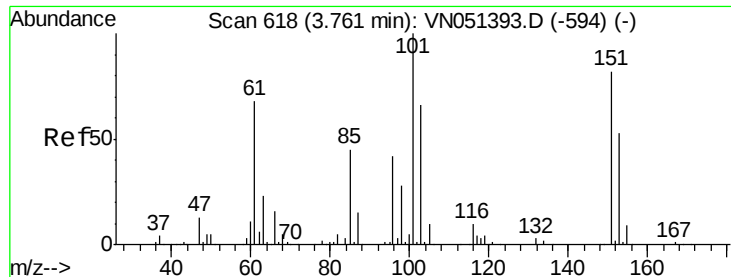


#8

Diethyl Ether
 Concen: 19.545 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 74 Resp: 76817
 Ion Ratio Lower Upper
 74 100
 45 106.7 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.150 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

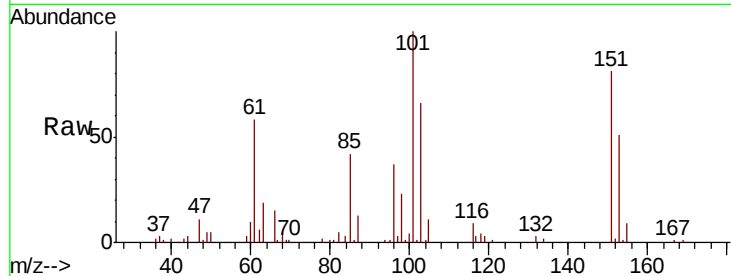
Tot Ion:101 Resp: 111698

Ion Ratio Lower Upper

101 100

85 42.0 33.9 50.9

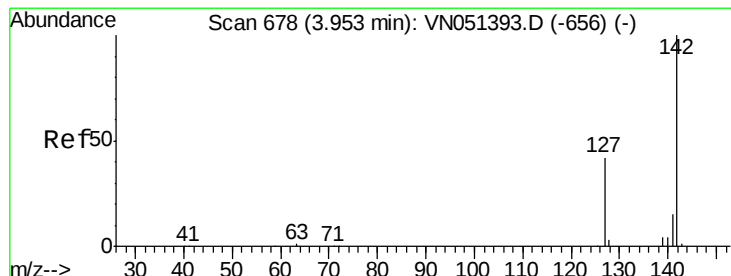
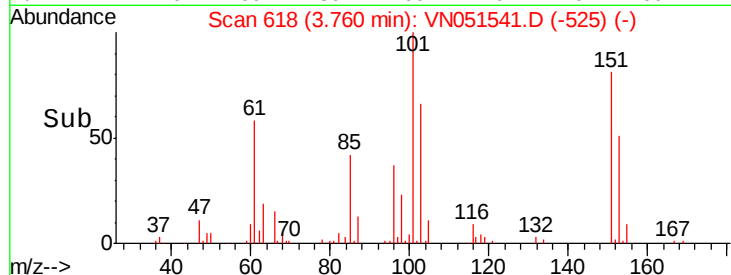
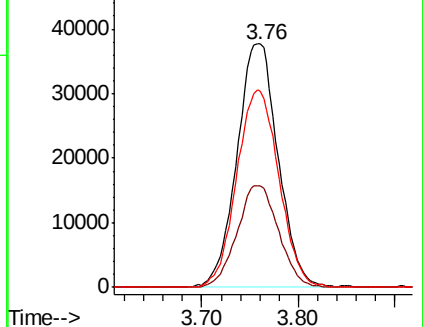
151 82.8 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.073 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

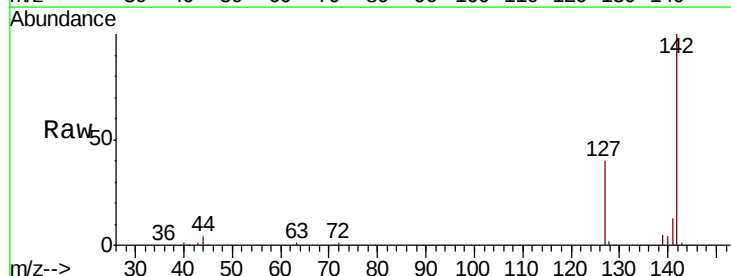
Tgt Ion:142 Resp: 102629

Ion Ratio Lower Upper

142 100

127 41.0 33.2 49.8

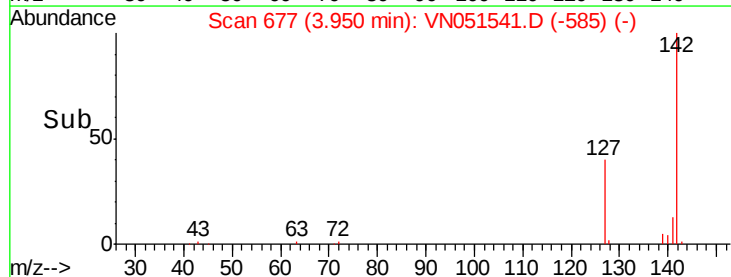
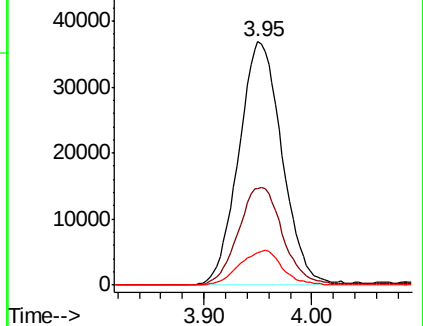
141 14.0 11.5 17.3

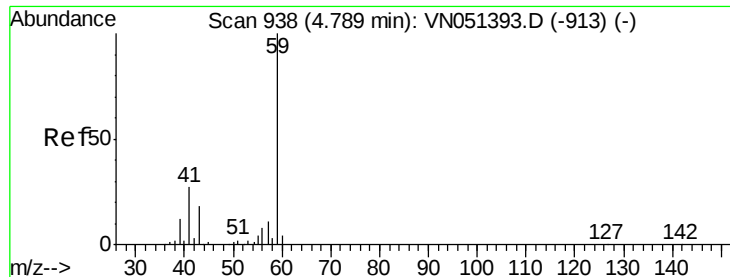


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

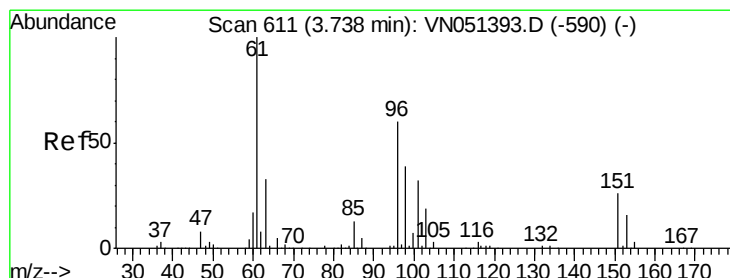
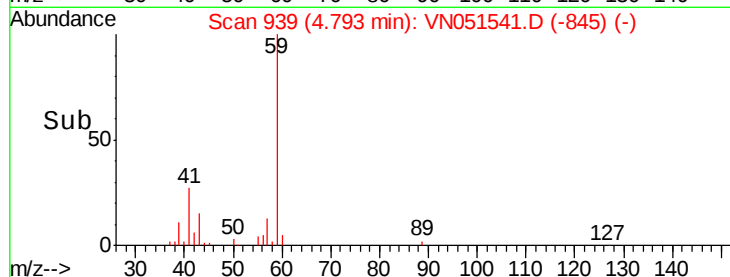
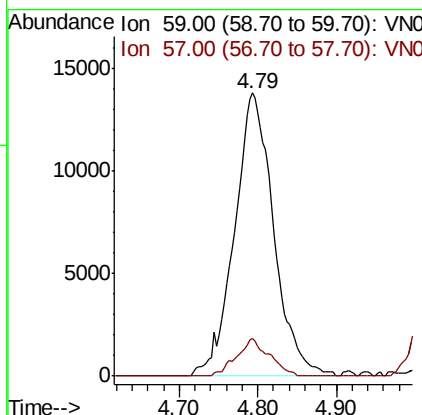
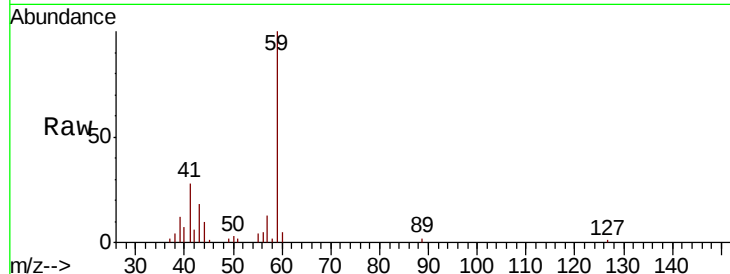




#11
Tert butyl alcohol
Concen: 126.743 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

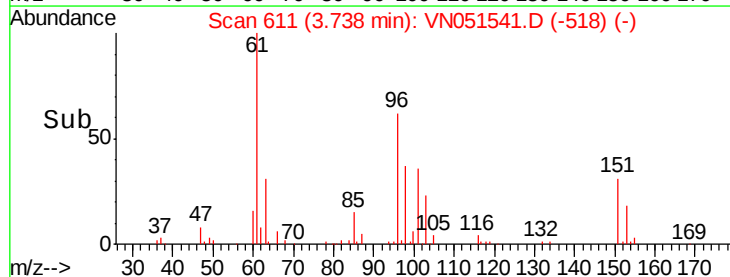
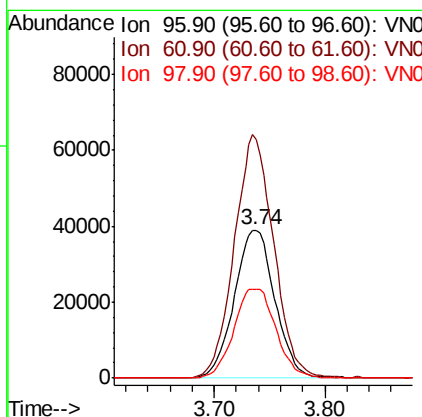
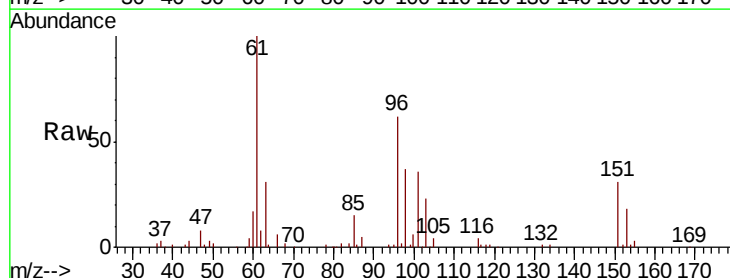
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

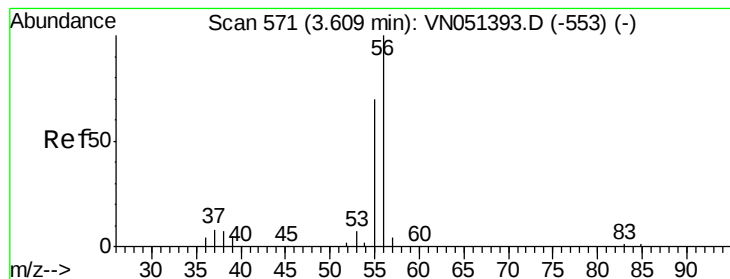
Tot Ion: 59 Resp: 48162
Ion Ratio Lower Upper
59 100
57 11.0 6.2 9.2#



#12
1,1-Dichloroethene
Concen: 16.605 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 96 Resp: 99299
Ion Ratio Lower Upper
96 100
61 161.2 133.6 200.4
98 59.6 52.2 78.2





#13

Acrolein

Concen: 78.685 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

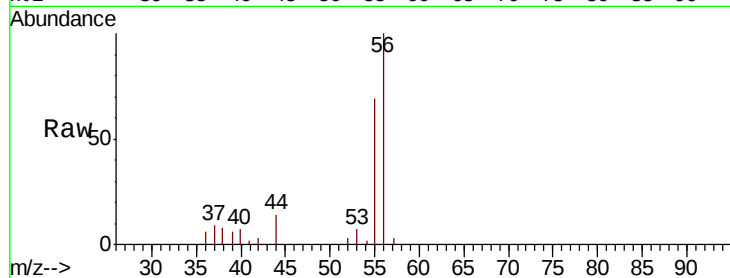
VN0927WBS01

Tot Ion: 56 Resp: 29691

Ion Ratio Lower Upper

56 100

55 72.0 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

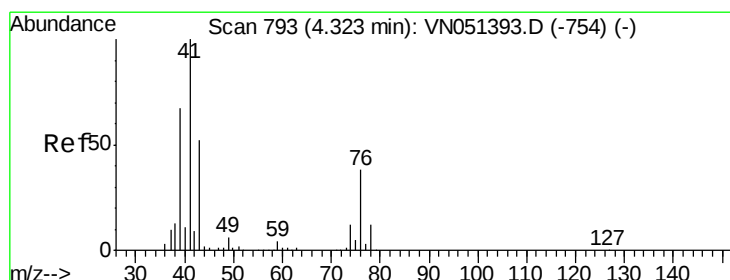
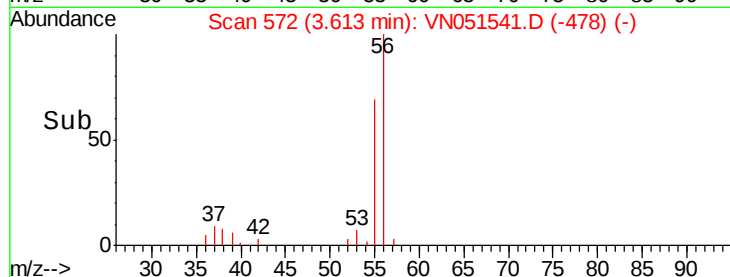
10000

5000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.185 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

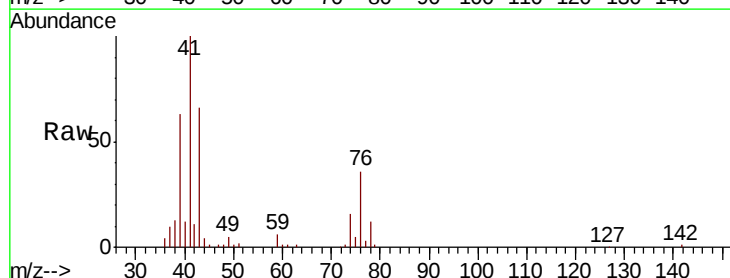
Tgt Ion: 41 Resp: 182462

Ion Ratio Lower Upper

41 100

39 60.9 51.4 77.2

76 33.6 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

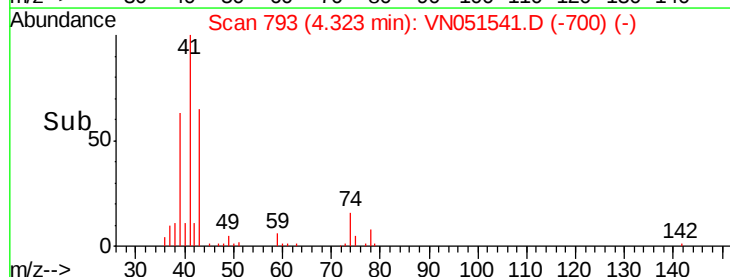
40000

20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 110.212 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

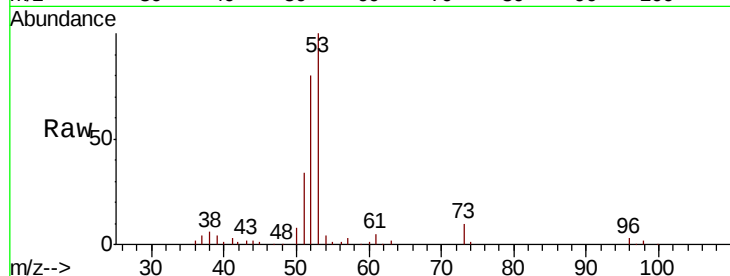
Tot Ion: 53 Resp: 227821

Ion Ratio Lower Upper

53 100

52 80.5 66.2 99.2

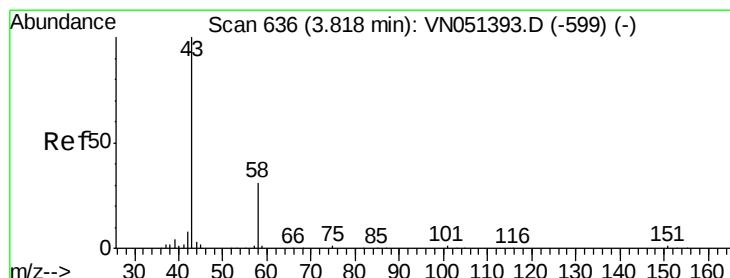
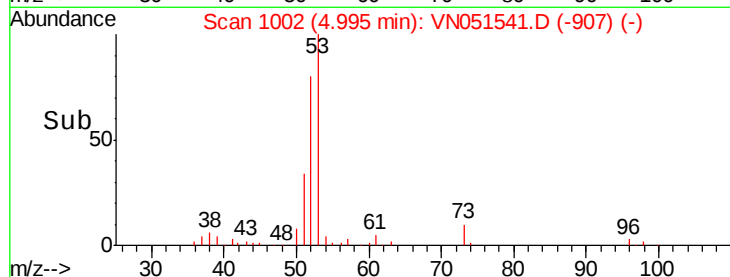
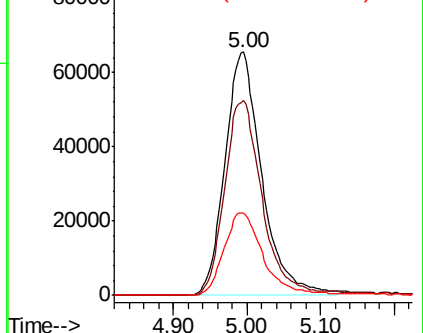
51 35.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.597 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051541.D

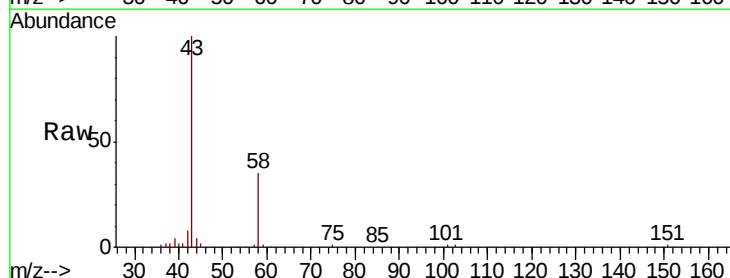
Acq: 26 Sep 2018 17:54

Tgt Ion: 43 Resp: 166622

Ion Ratio Lower Upper

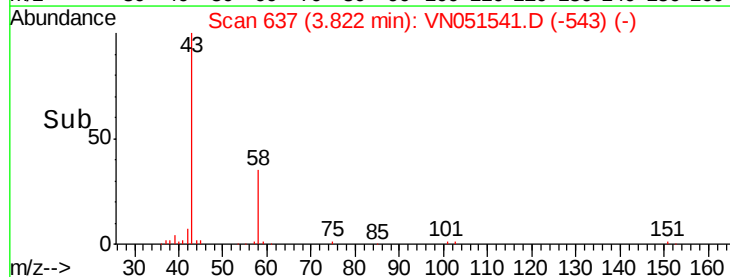
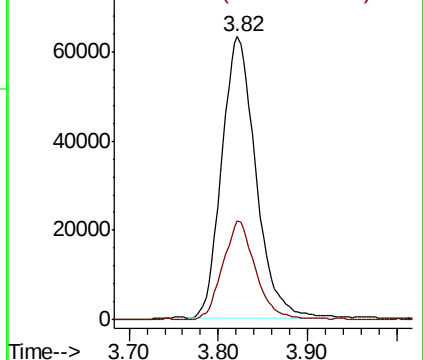
43 100

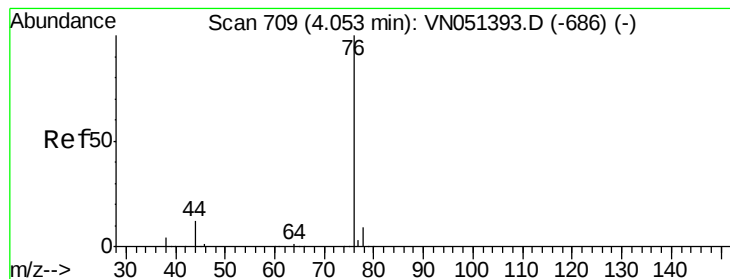
58 34.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 14.695 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

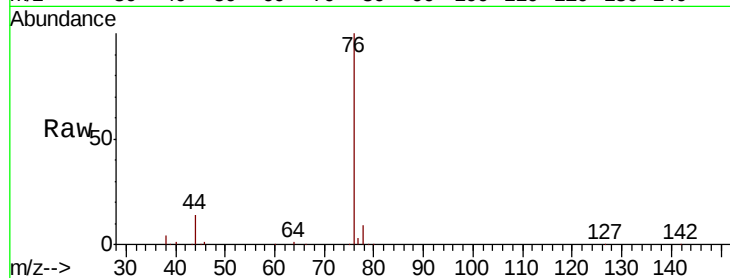
VN0927WBS01

Tot Ion: 76 Resp: 258176

Ion Ratio Lower Upper

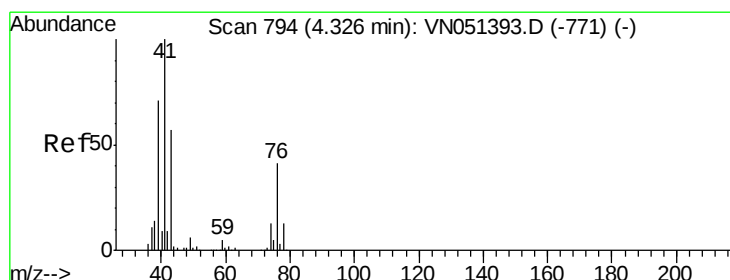
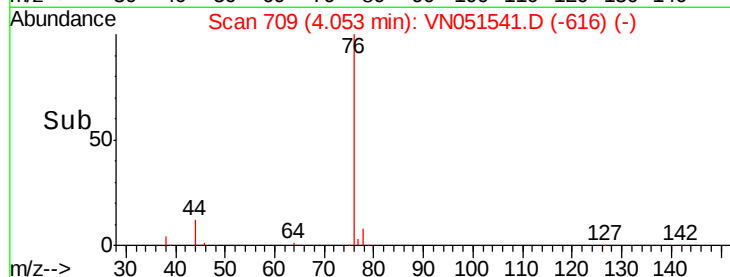
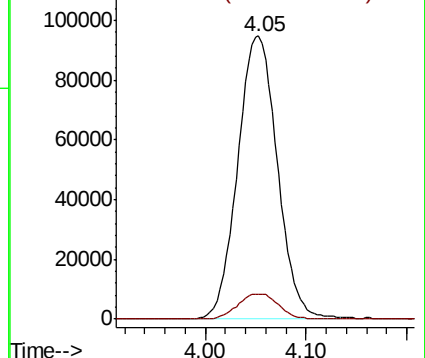
76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.472 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051541.D

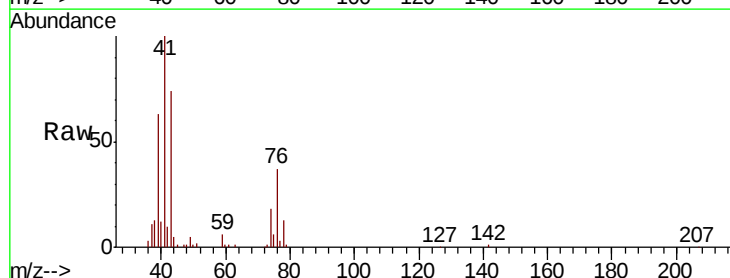
Acq: 26 Sep 2018 17:54

Tgt Ion: 43 Resp: 125489

Ion Ratio Lower Upper

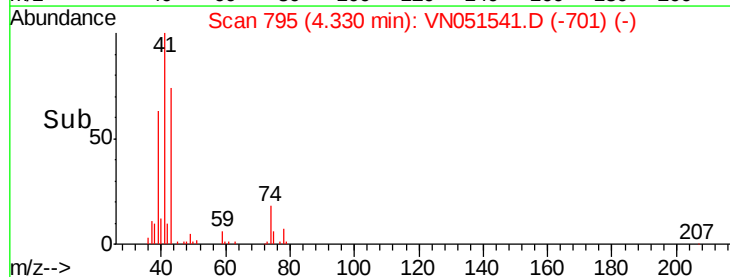
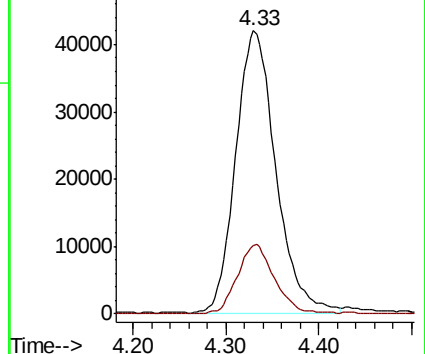
43 100

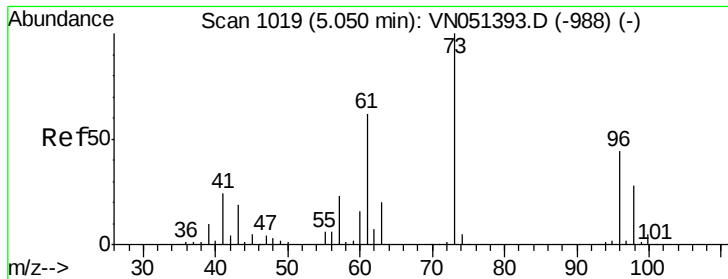
74 22.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

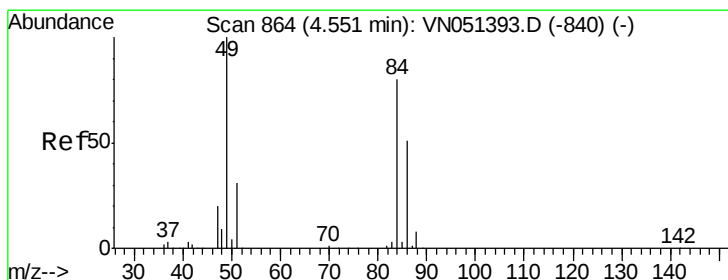
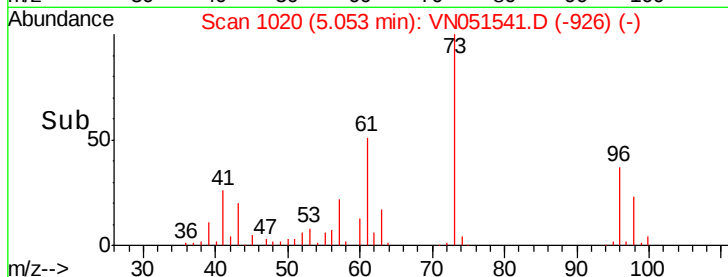
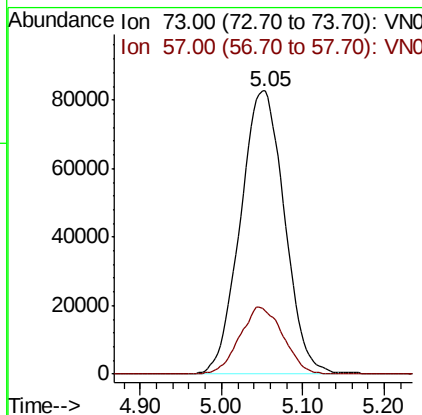
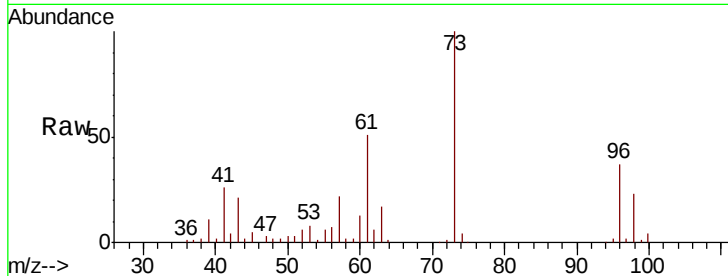




#19
Methvl tert-butvl Ether
Concen: 20.131 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

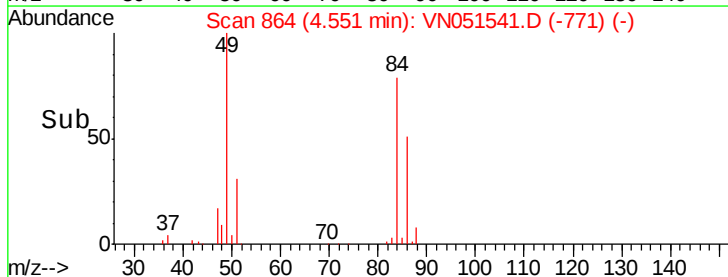
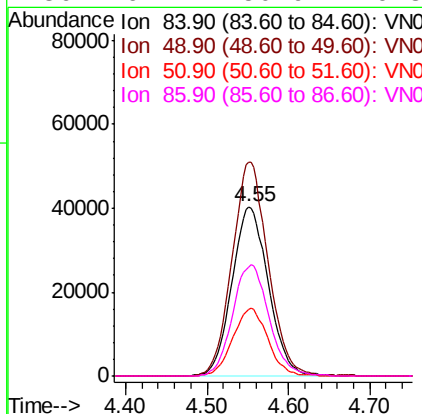
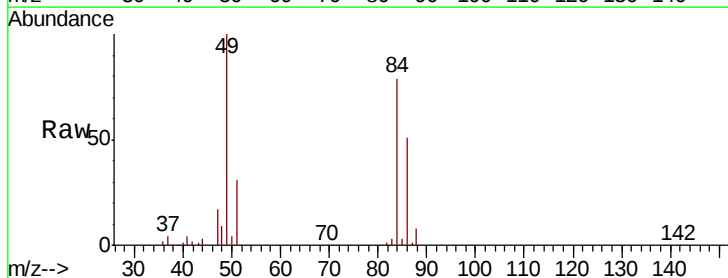
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

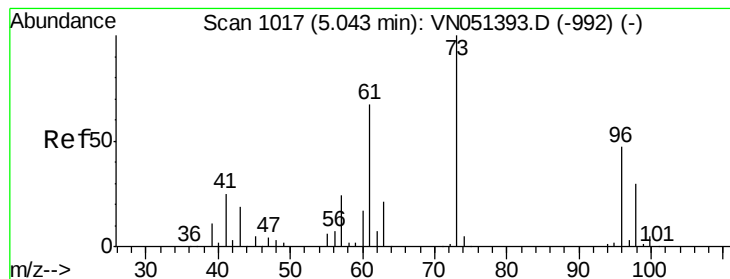
Tot Ion: 73 Resp: 310442
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 18.721 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 84 Resp: 124729
Ion Ratio Lower Upper
84 100
49 126.3 99.9 149.9
51 39.5 31.4 47.2
86 64.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 17.318 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

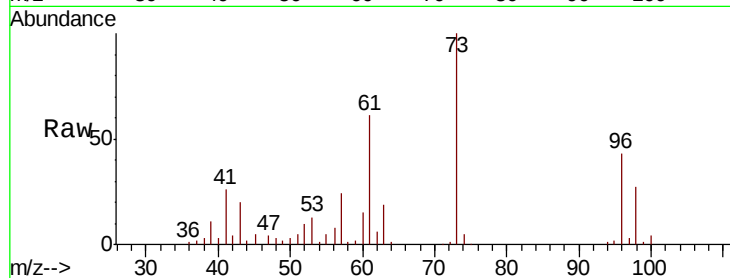
Tot Ion: 96 Resp: 105947

Ion Ratio Lower Upper

96 100

61 142.0 113.4 170.2

98 63.0 51.1 76.7

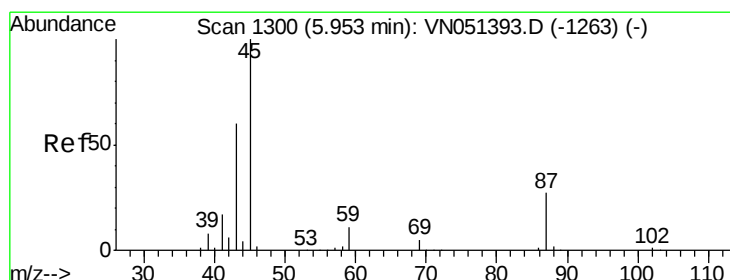
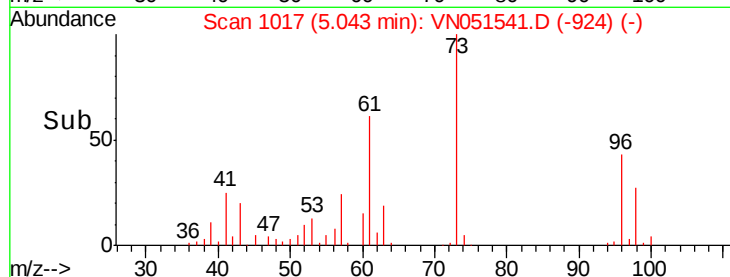
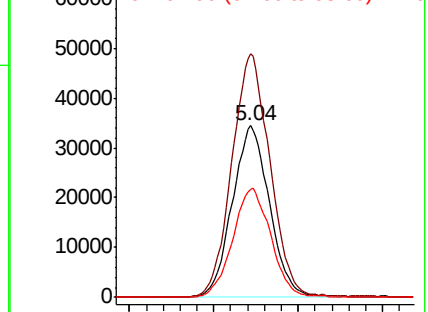


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.750 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion: 45 Resp: 402444

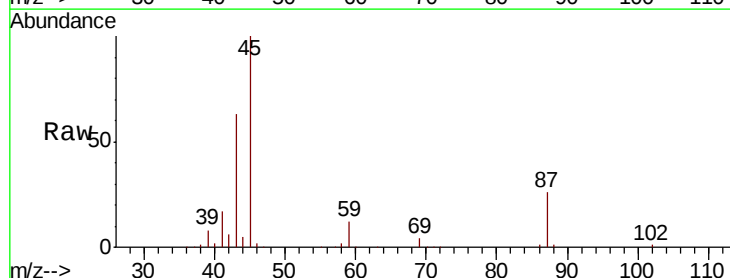
Ion Ratio Lower Upper

45 100

43 61.5 47.7 71.5

87 25.7 22.0 33.0

59 12.0 9.3 13.9



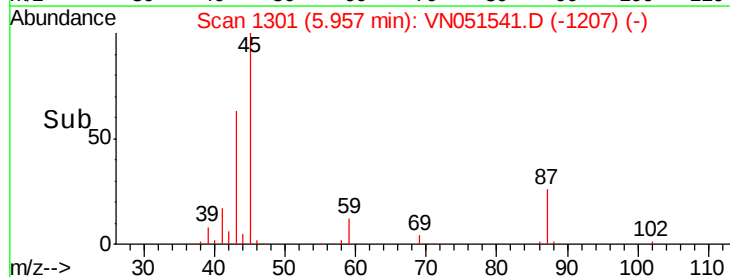
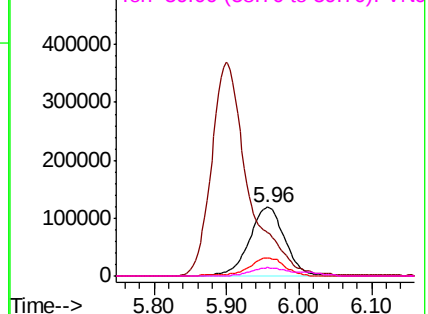
Abundance

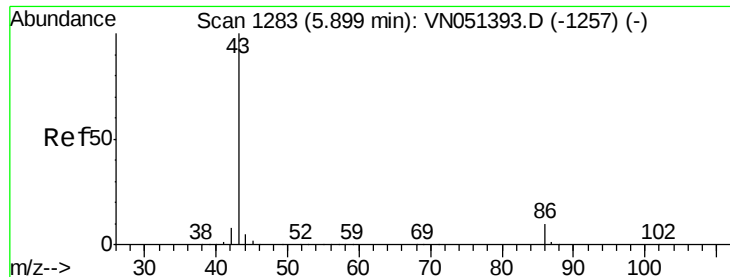
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

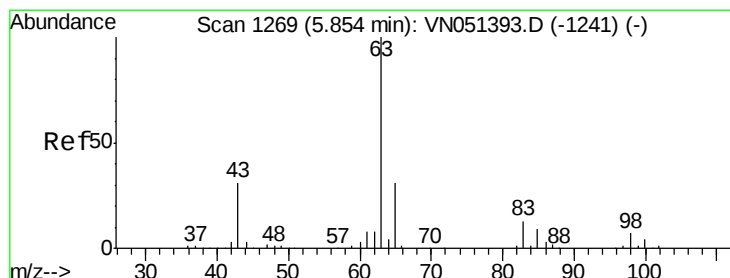
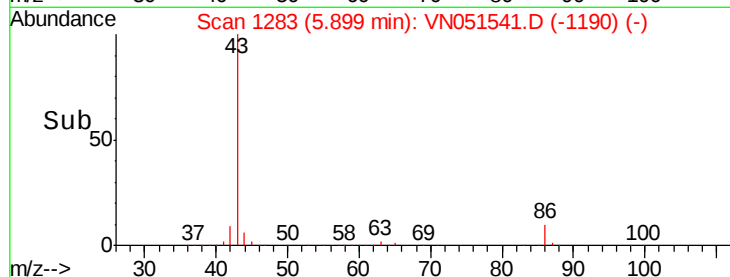
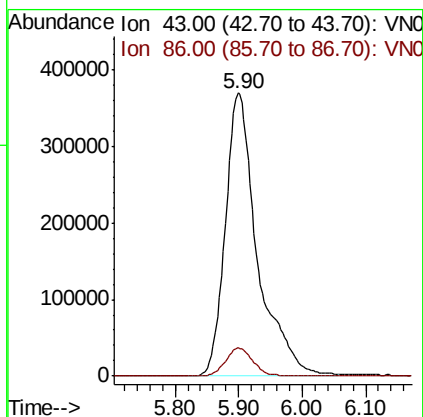
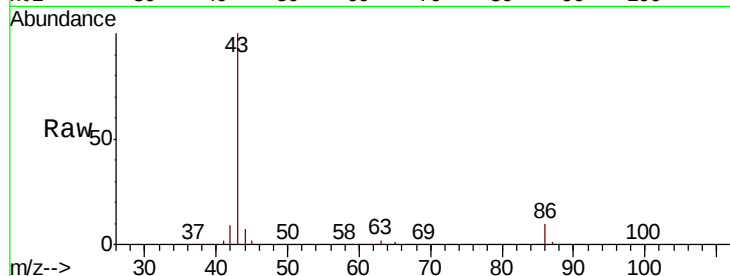




#23
 Vinyl Acetate
 Concen: 101.882 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

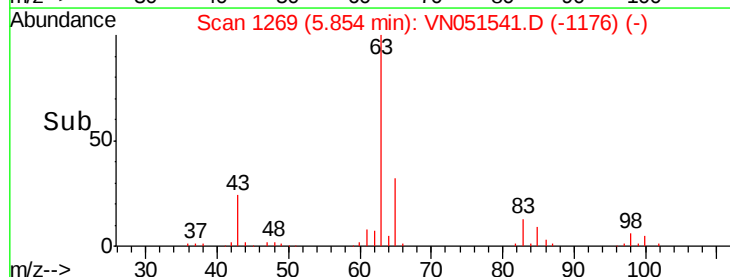
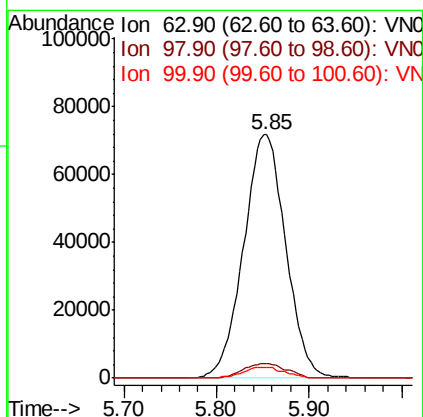
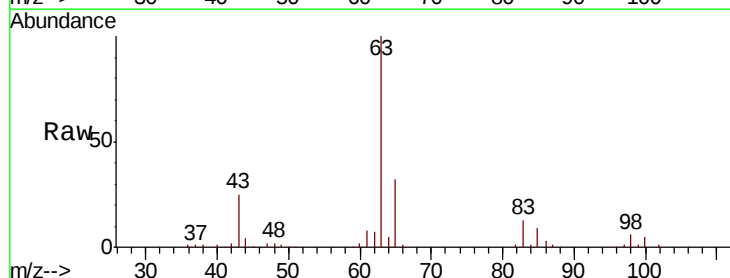
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

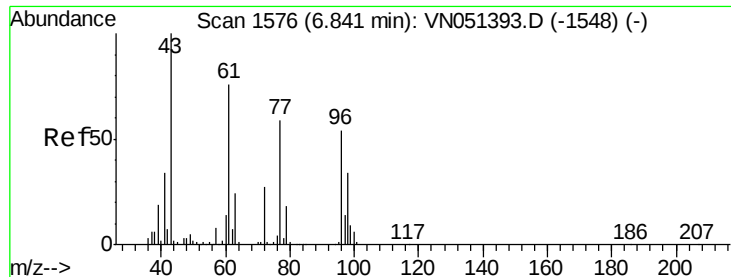
Tot Ion: 43 Resp: 1297261
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 19.624 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 63 Resp: 227093
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.1
 100 4.5 2.2 6.6

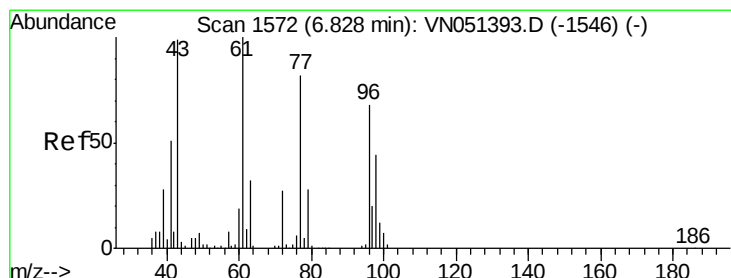
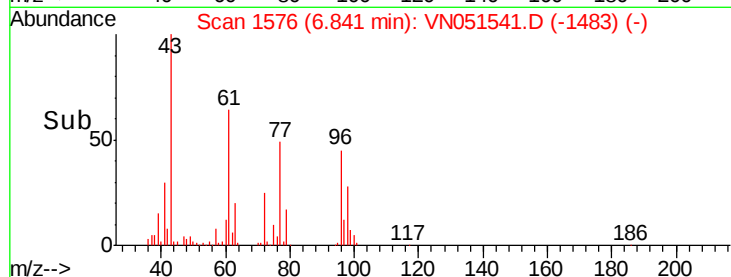
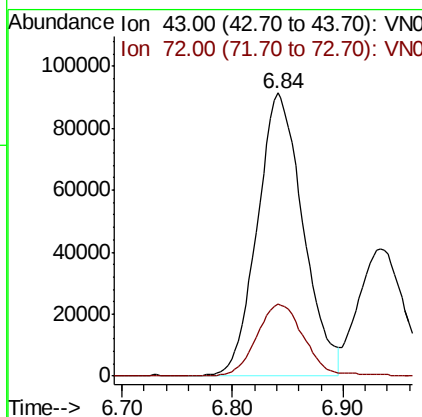
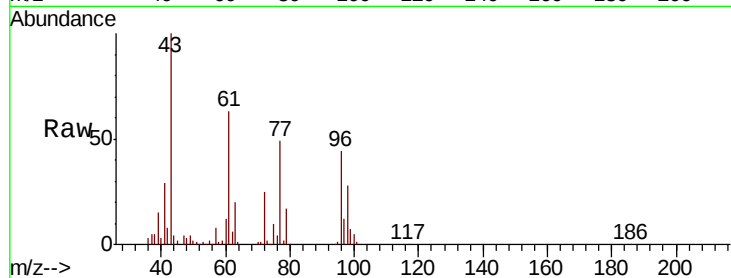




#25
2-Butanone
Concen: 114.054 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

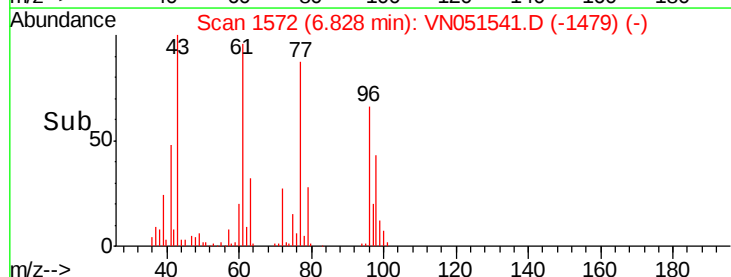
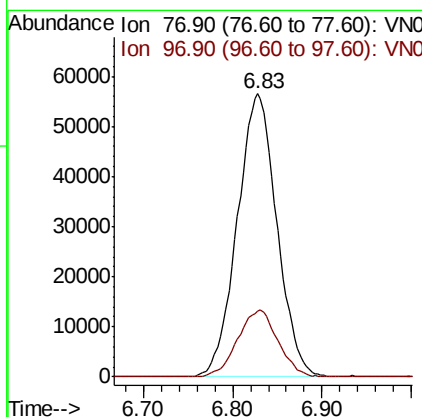
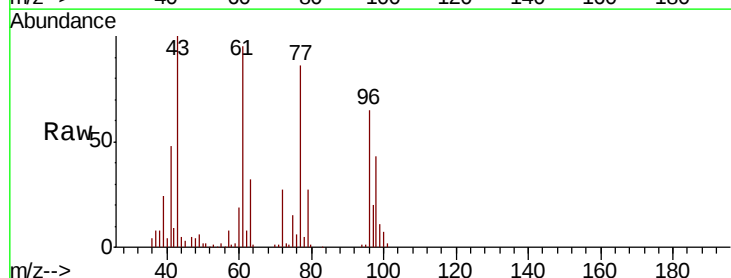
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tot Ion: 43 Resp: 262843
Ion Ratio Lower Upper
43 100
72 25.3 21.8 32.6



#26
2,2-Dichloropropane
Concen: 19.325 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 77 Resp: 174565
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 18.739 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

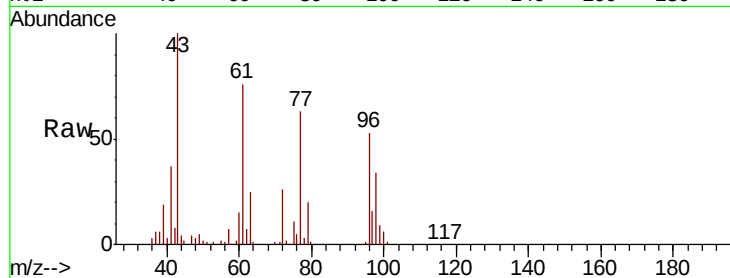
Tot Ion: 96 Resp: 125784

Ion Ratio Lower Upper

96 100

61 150.9 0.0 291.4

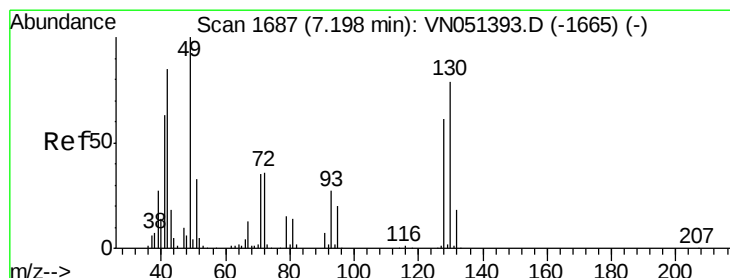
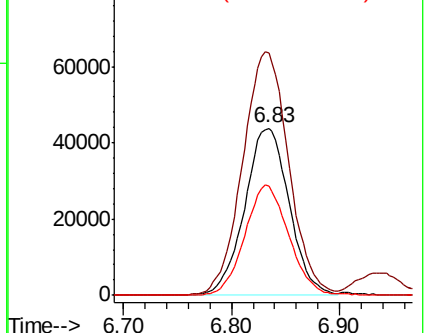
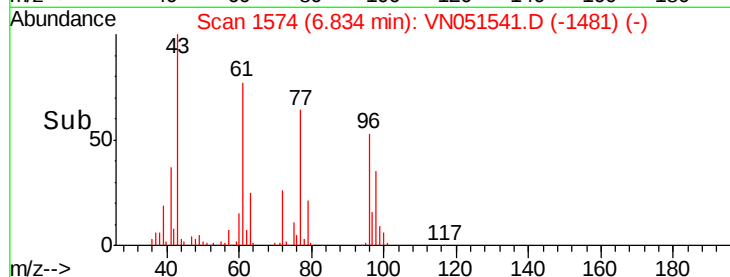
98 64.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.244 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

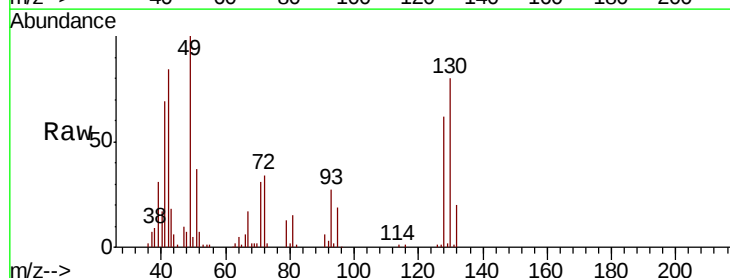
Tgt Ion: 49 Resp: 118871

Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.8

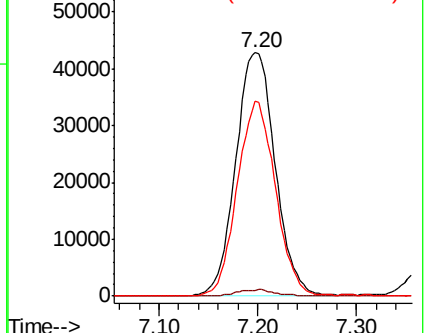
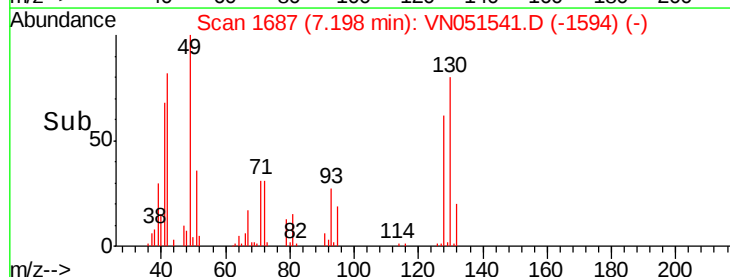
130 77.5 63.0 94.4

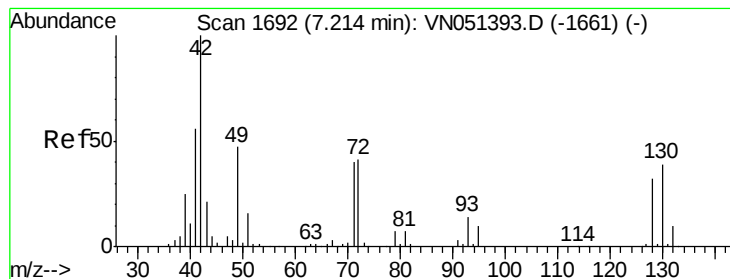


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 121.552 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

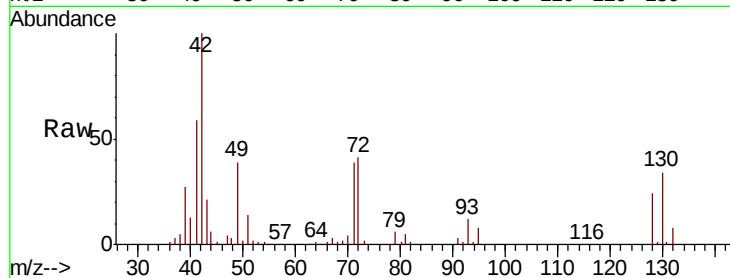
Tot Ion: 42 Resp: 177517

Ion Ratio Lower Upper

42 100

72 41.2 34.3 51.5

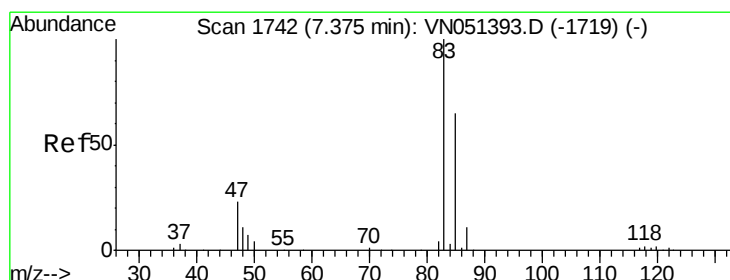
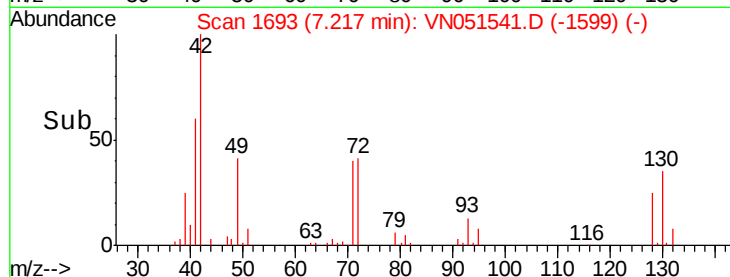
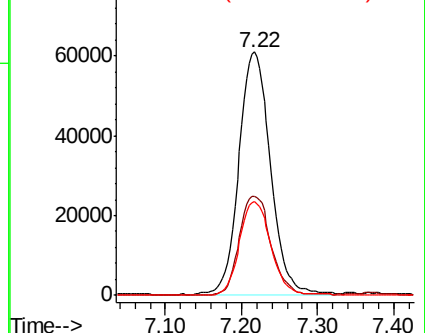
71 37.9 32.2 48.4



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: 20.037 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051541.D

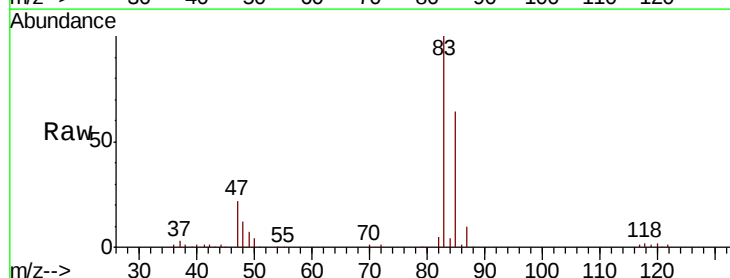
Acq: 26 Sep 2018 17:54

Tgt Ion: 83 Resp: 229755

Ion Ratio Lower Upper

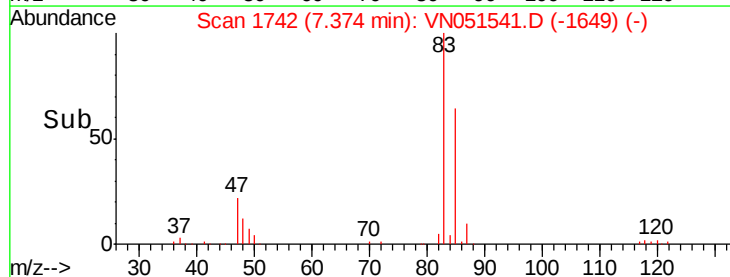
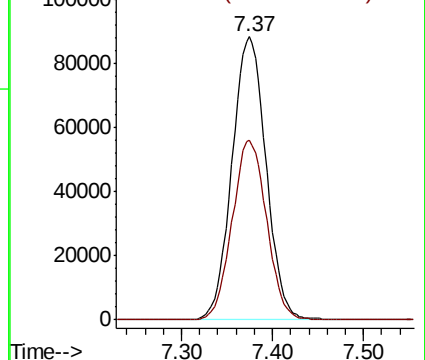
83 100

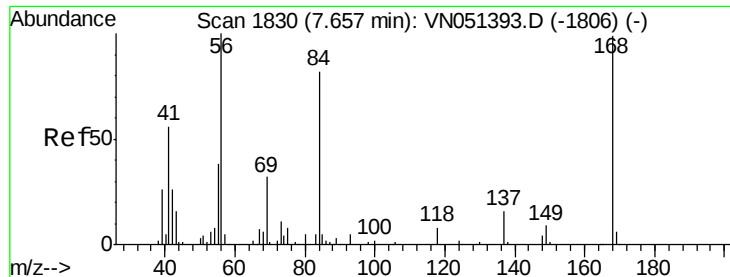
85 63.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.114 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

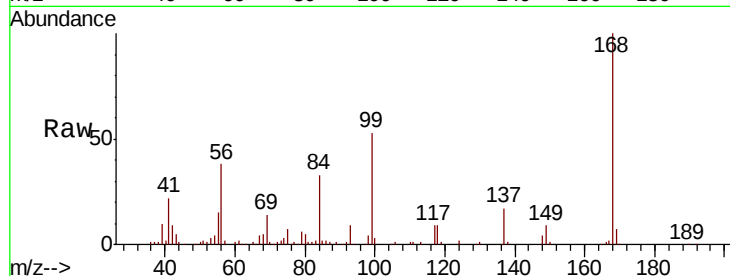
Tot Ion: 56 Resp: 181448

Ion Ratio Lower Upper

56 100

69 37.4 25.8 38.6

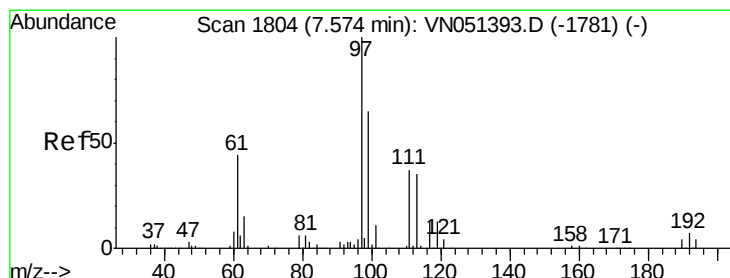
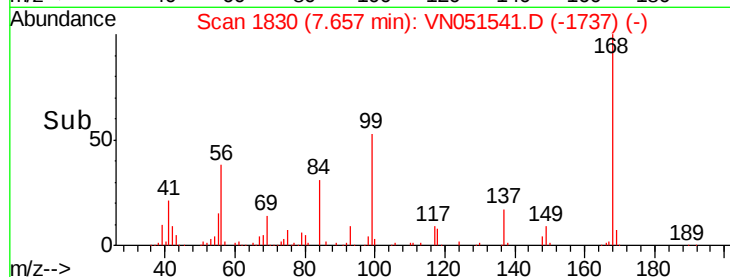
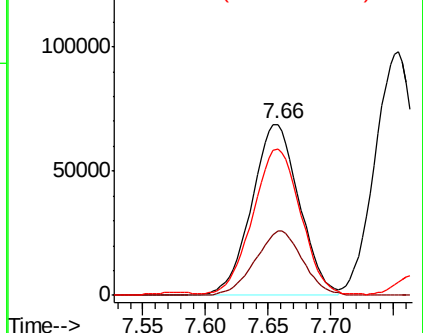
84 83.9 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.880 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

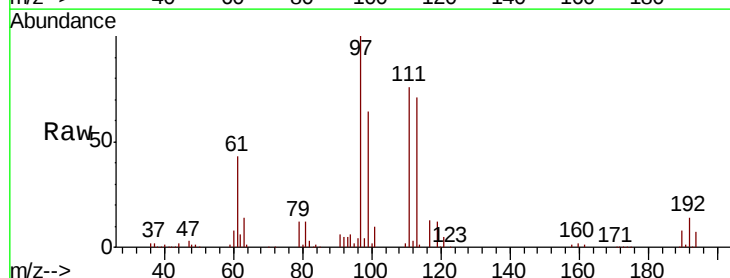
Tgt Ion: 97 Resp: 185075

Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

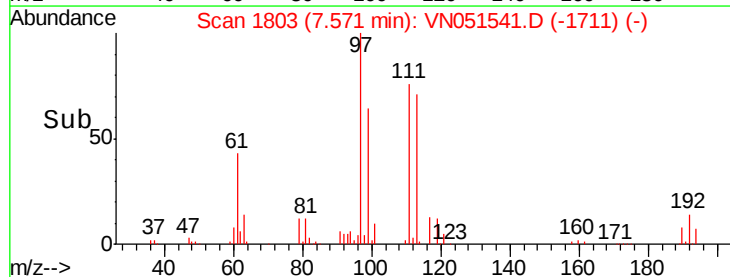
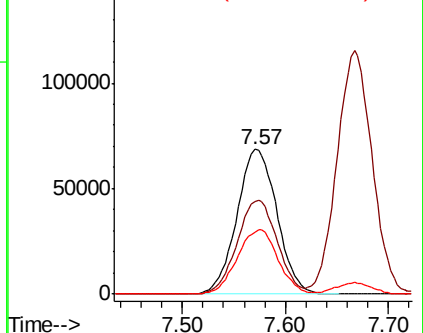
61 45.5 35.8 53.8

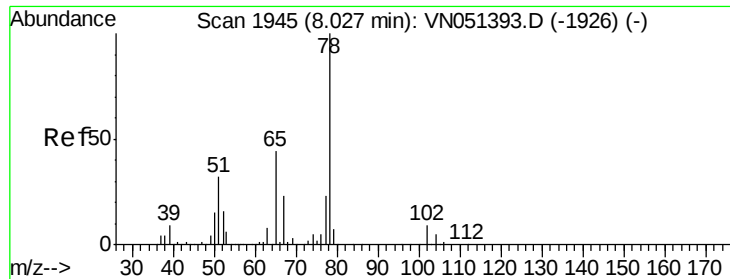


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.805 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

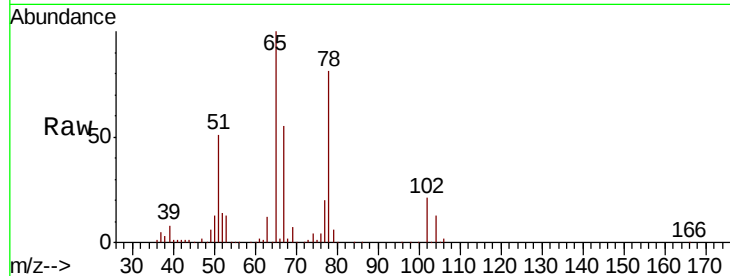
VN0927WBS01

Tot Ion: 65 Resp: 348803

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

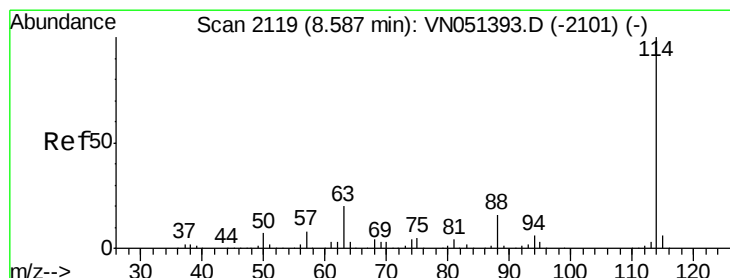
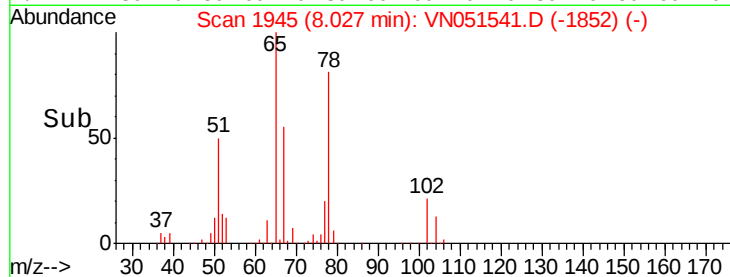
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

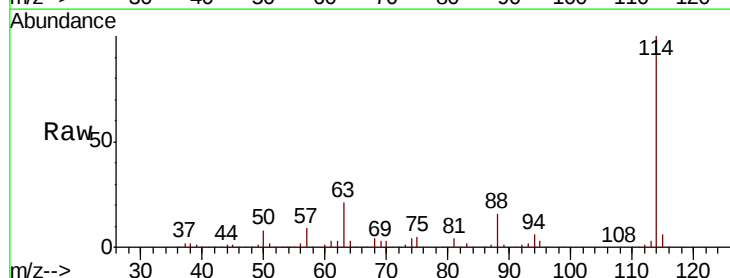
Tgt Ion: 114 Resp: 791077

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

500000

400000

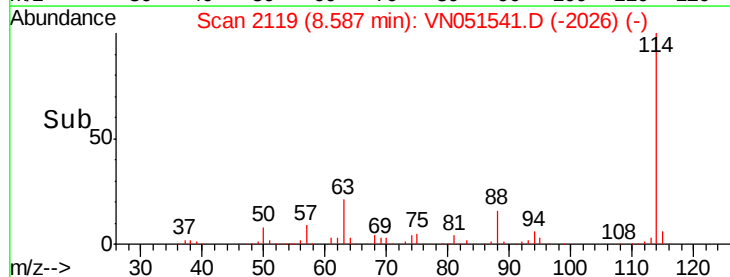
300000

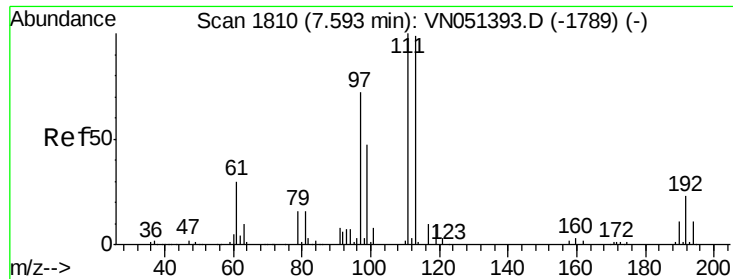
200000

100000

0

Time-->

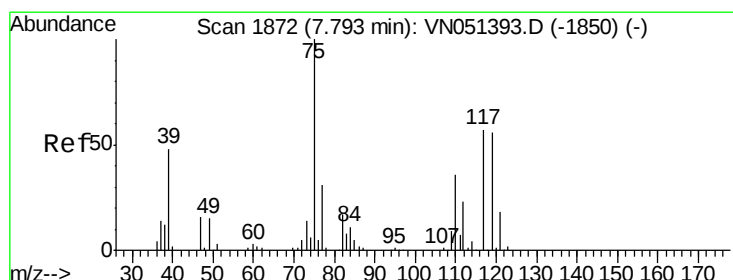
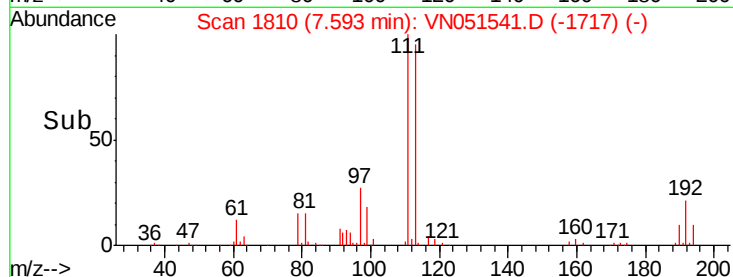
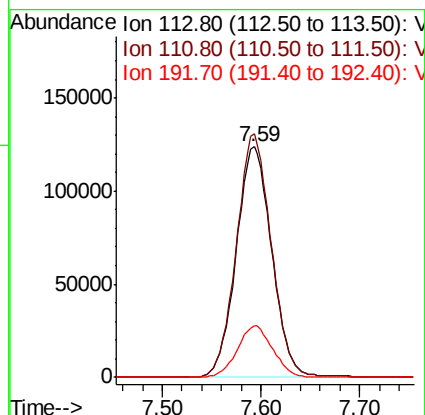
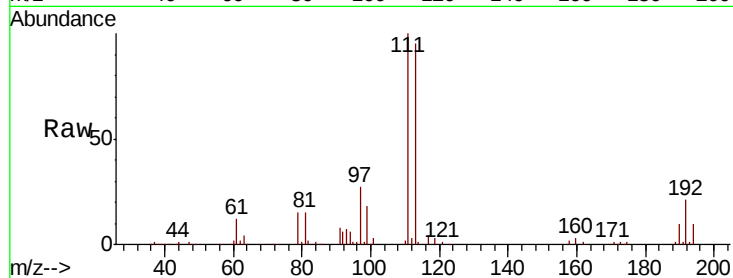




#35
 Dibromofluoromethane
 Concen: 48.927 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

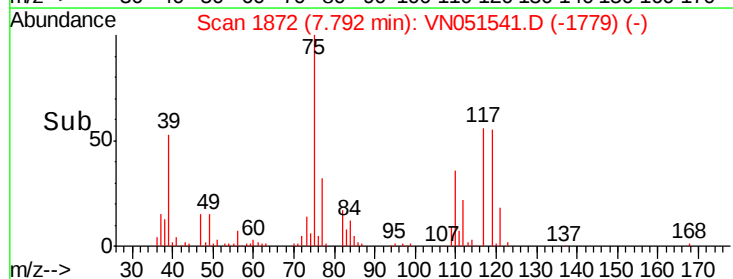
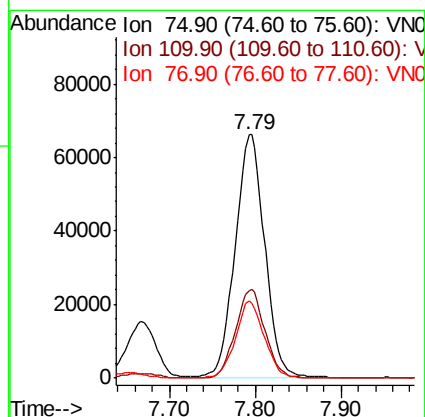
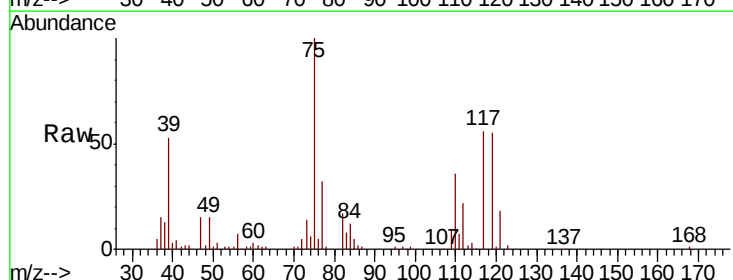
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

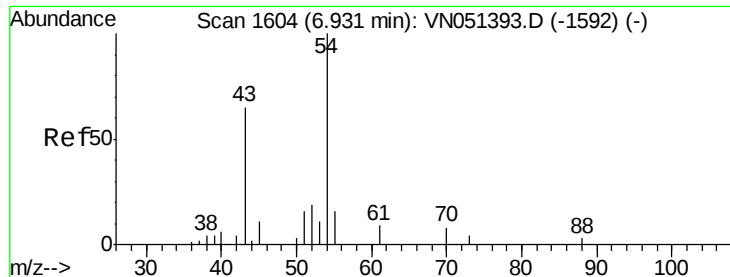
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	22.3	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 17.218 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.3
77	30.9	25.6	38.4

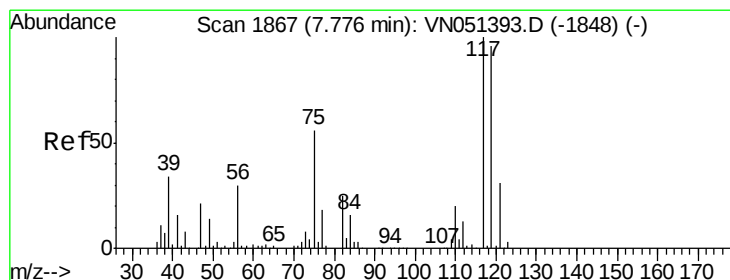
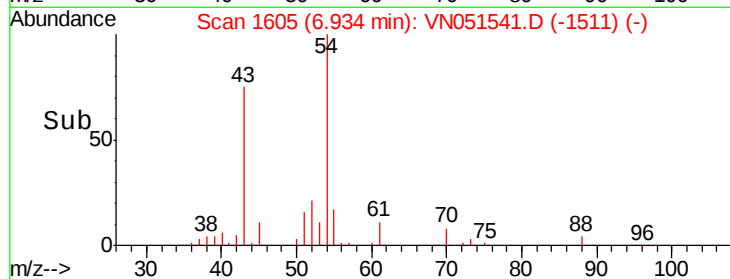
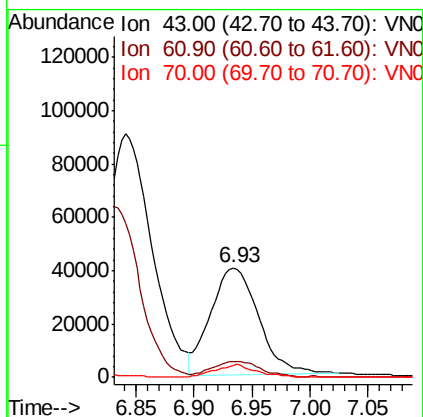
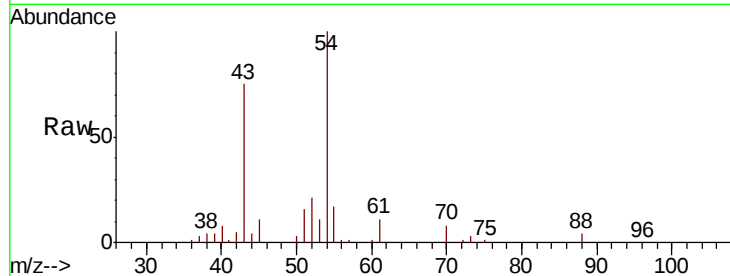




#37
Ethyl Acetate
Concen: 22.119 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

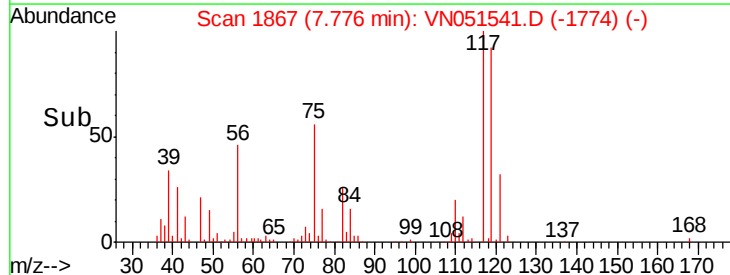
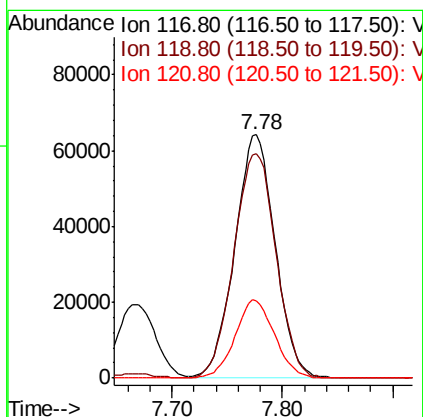
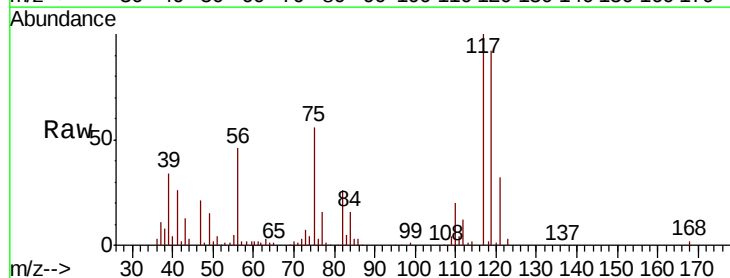
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

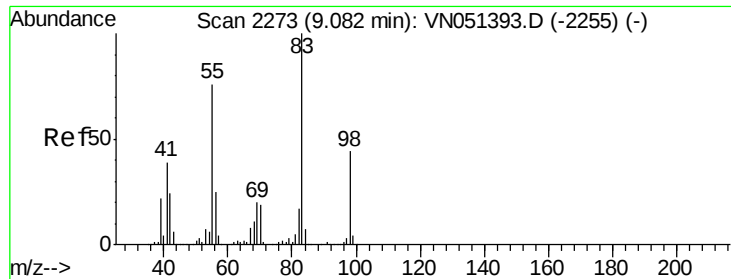
Tot Ion: 43 Resp: 116505
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 10.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 16.980 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 117 Resp: 162694
Ion Ratio Lower Upper
117 100
119 91.9 76.9 115.3
121 31.7 24.6 37.0

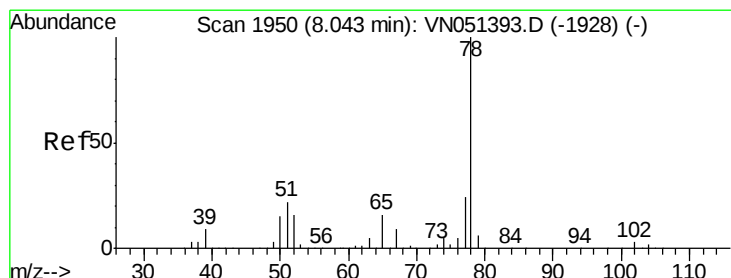
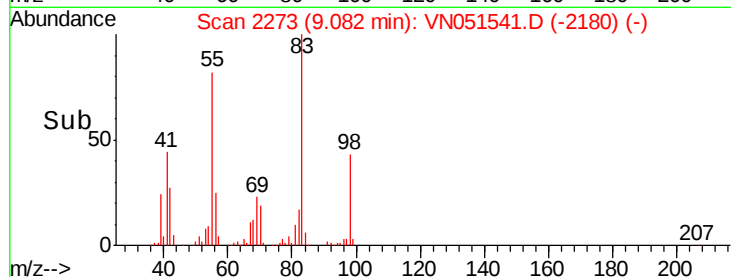
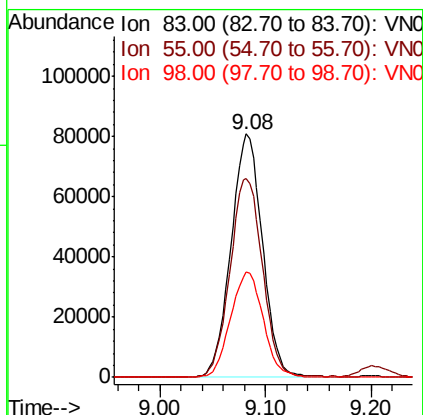
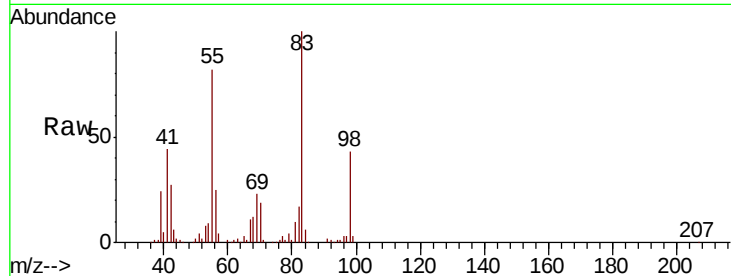




#39
Methvlcvclohexane
Concen: 15.659 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

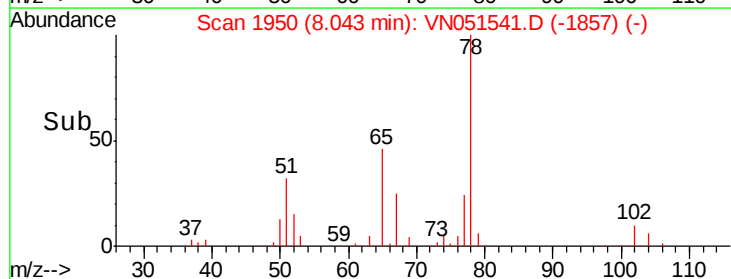
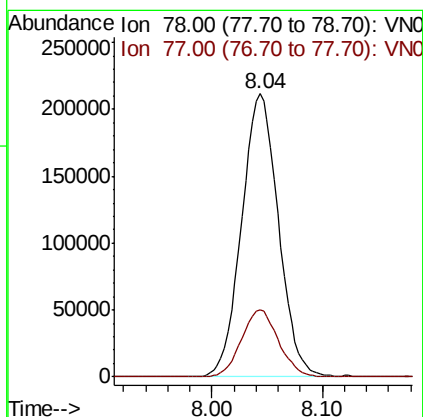
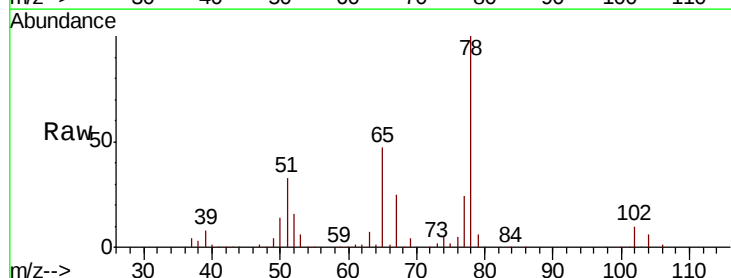
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

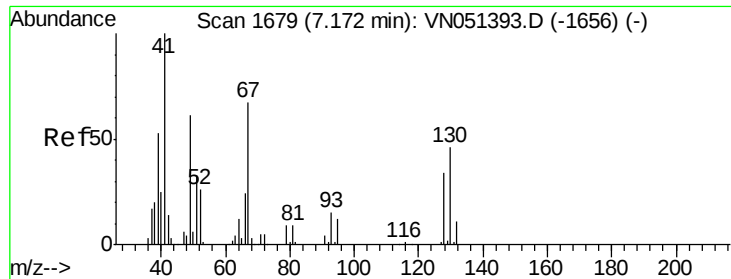
Tot Ion: 83 Resp: 167688
Ion Ratio Lower Upper
83 100
55 81.6 61.0 91.4
98 43.2 35.6 53.4



#40
Benzene
Concen: 18.234 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 78 Resp: 490473
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

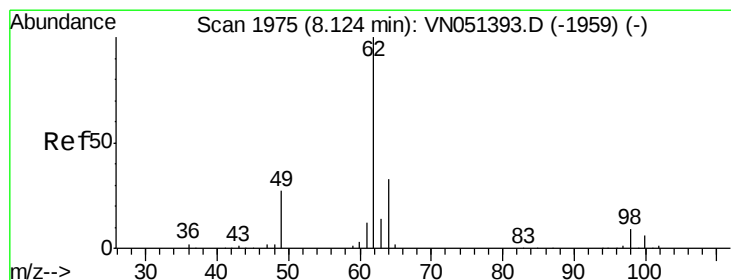
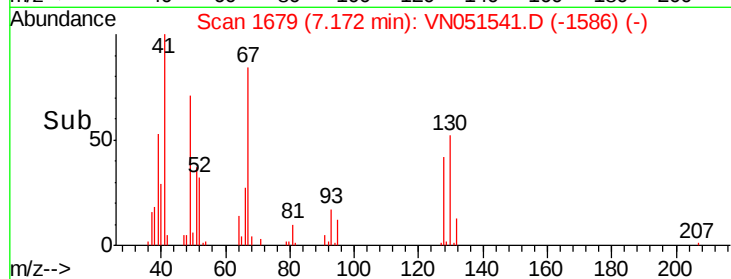
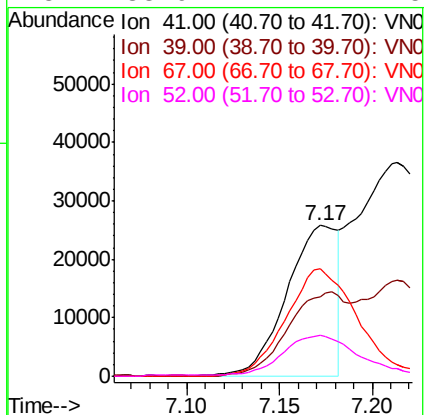
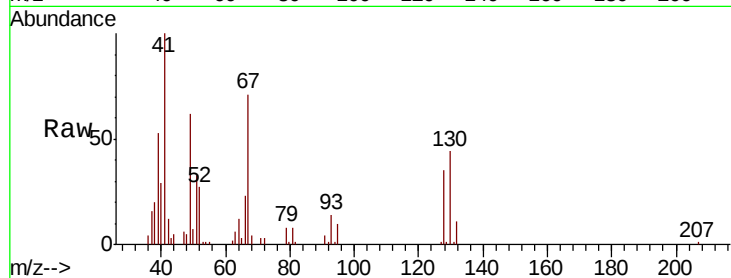




#41
Methacrylonitrile
Concen: 16.858 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

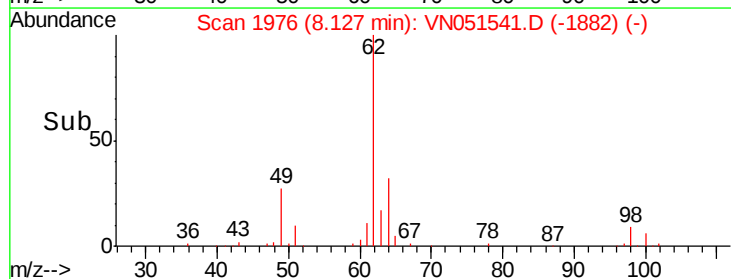
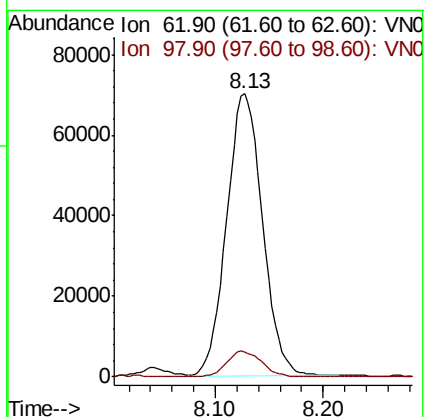
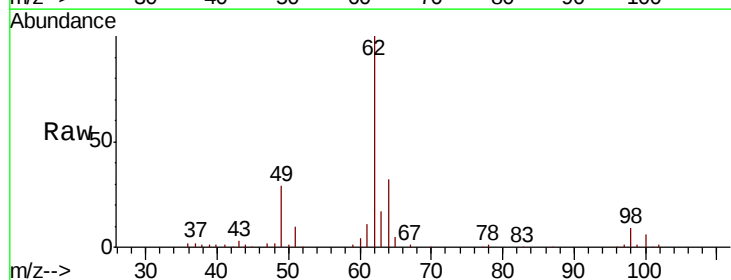
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

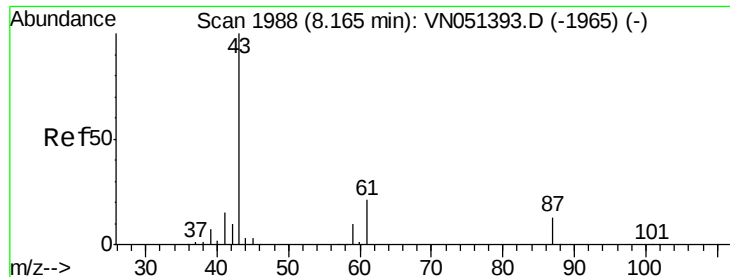
Tot Ion: 41 Resp: 49124
Ion Ratio Lower Upper
41 100
39 65.3 51.4 77.2
67 101.1 66.8 100.2#
52 38.9 27.7 41.5



#42
1,2-Dichloroethane
Concen: 18.883 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 62 Resp: 162633
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 22.294 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

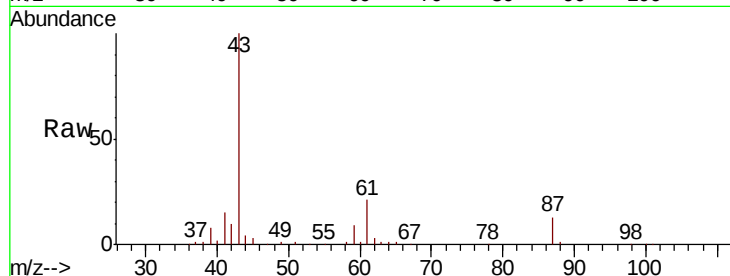
Tot Ion: 43 Resp: 212334

Ion Ratio Lower Upper

43 100

61 28.0 16.8 25.2#

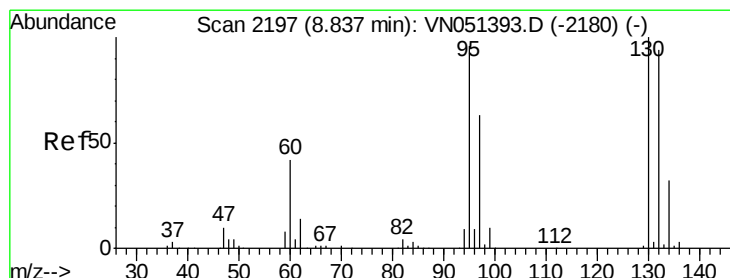
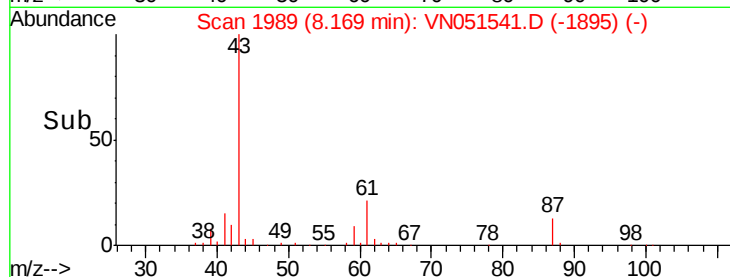
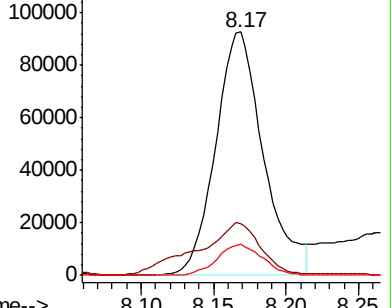
87 12.2 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#44

Trichloroethene

Concen: 17.542 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051541.D

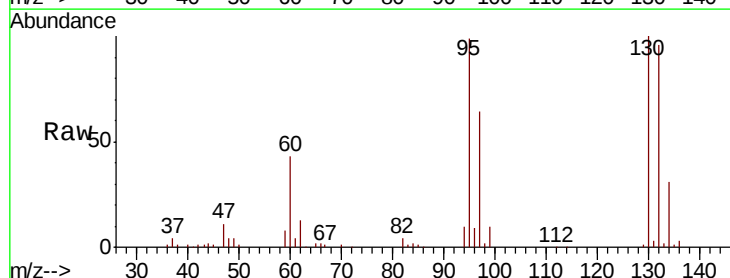
Acq: 26 Sep 2018 17:54

Tgt Ion:130 Resp: 125327

Ion Ratio Lower Upper

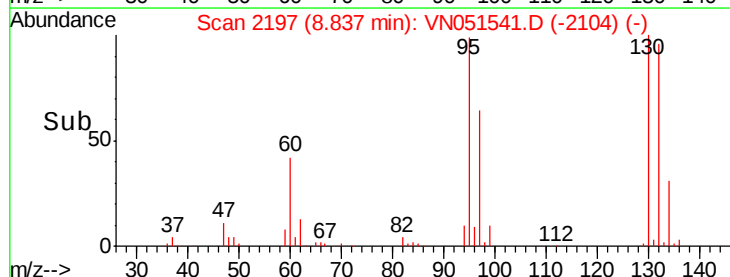
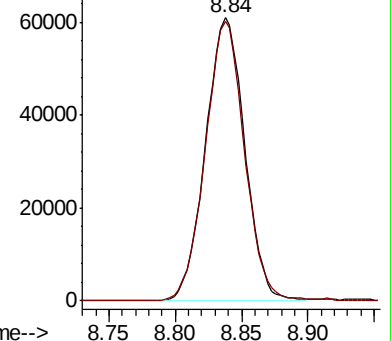
130 100

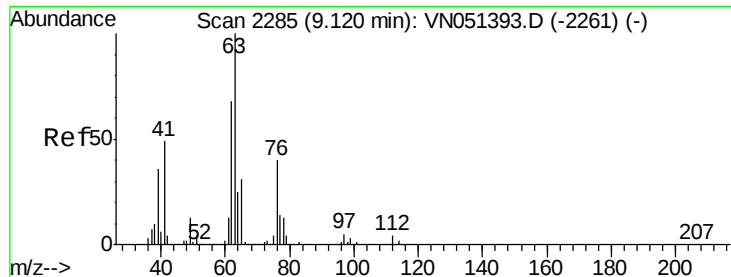
95 98.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.110 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

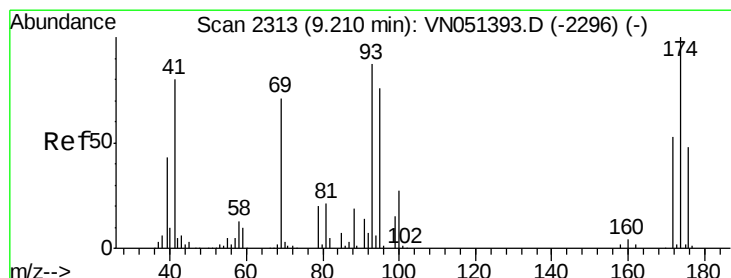
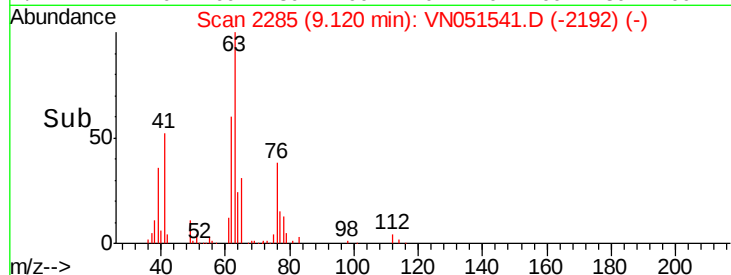
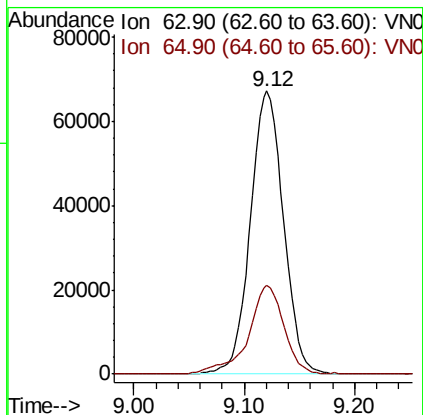
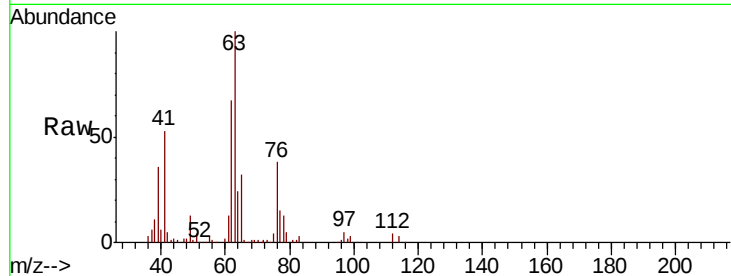
VN0927WBS01

Tot Ion: 63 Resp: 139725

Ion Ratio Lower Upper

63 100

65 31.5 24.9 37.3



#46

Dibromomethane

Concen: 19.414 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

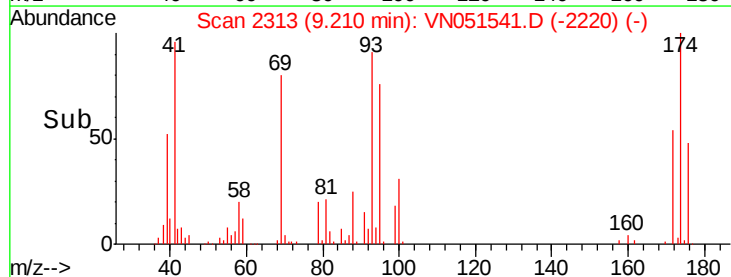
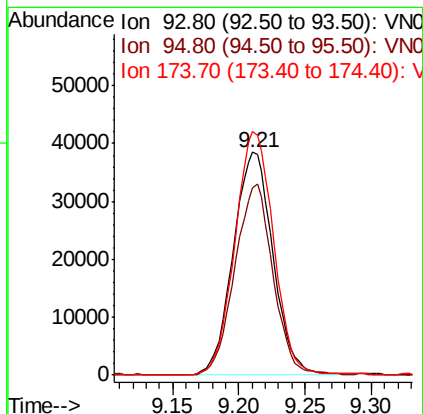
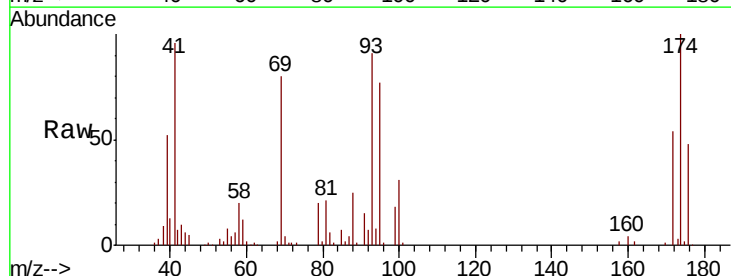
Tgt Ion: 93 Resp: 80204

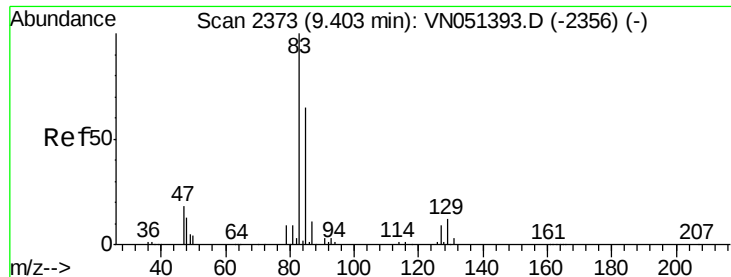
Ion Ratio Lower Upper

93 100

95 82.3 67.6 101.4

174 106.6 89.6 134.4

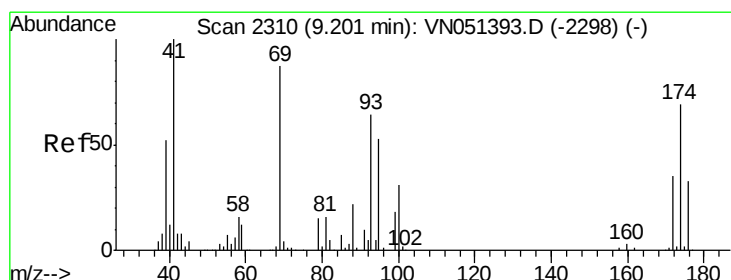
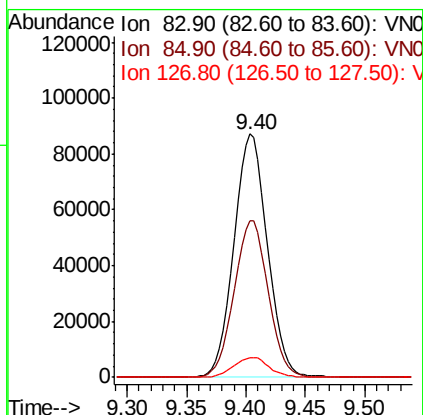
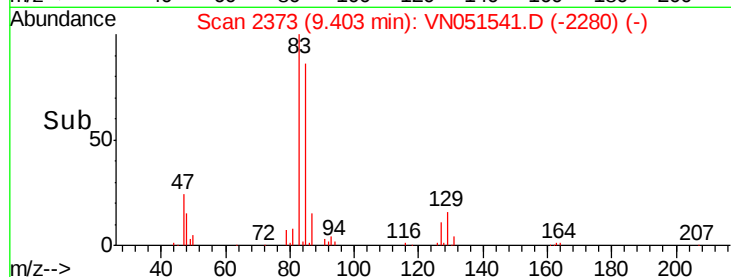
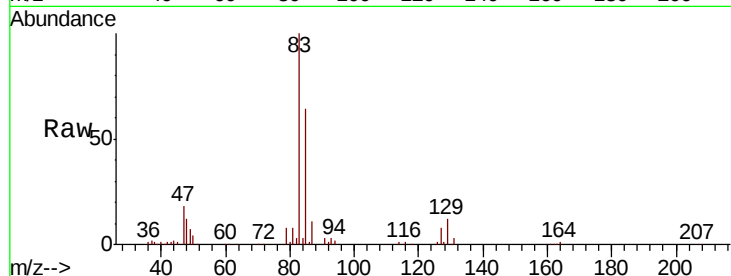




#47
Bromodichloromethane
Concen: 18.619 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

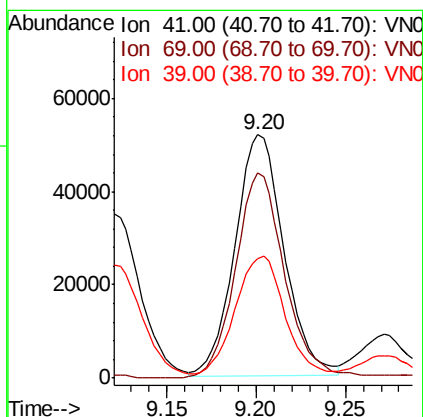
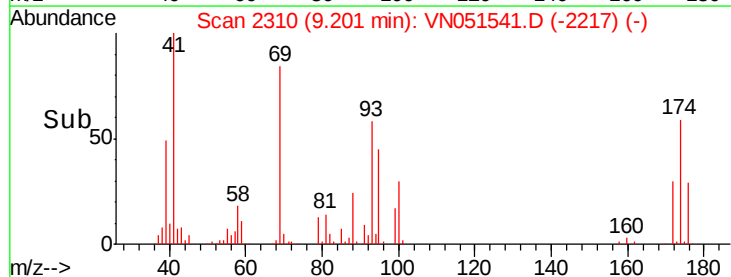
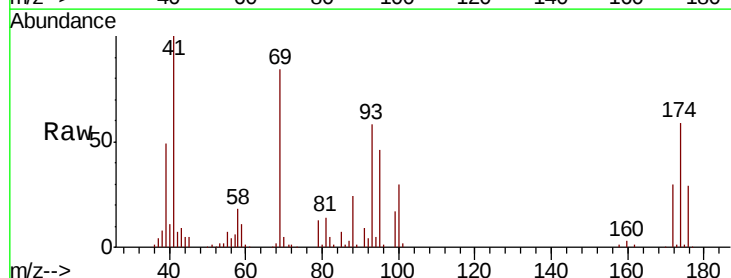
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

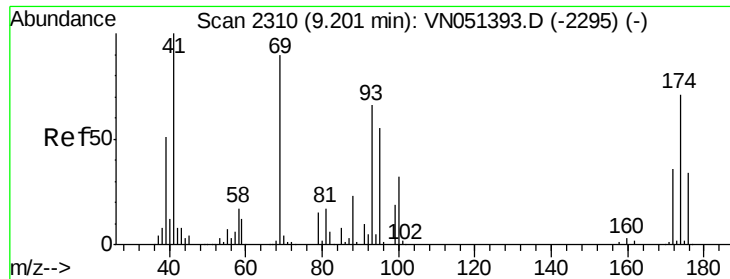
Tot Ion: 83 Resp: 170227
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.6
127 8.2 7.4 11.2



#48
Methyl methacrylate
Concen: 21.026 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 41 Resp: 99841
Ion Ratio Lower Upper
41 100
69 85.3 70.4 105.6
39 50.9 43.8 65.8





#49

1,4-Dioxane

Concen: 458.313 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

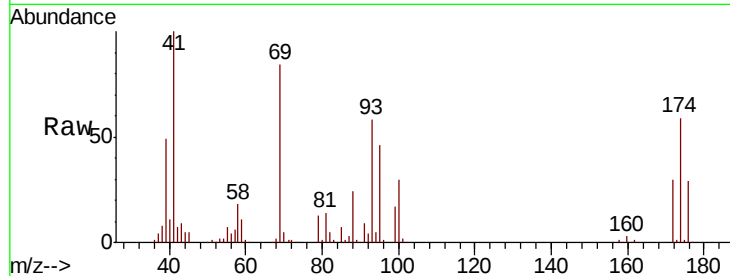
Tot Ion: 88 Resp: 26672

Ion Ratio Lower Upper

88 100

43 33.7 25.9 38.9

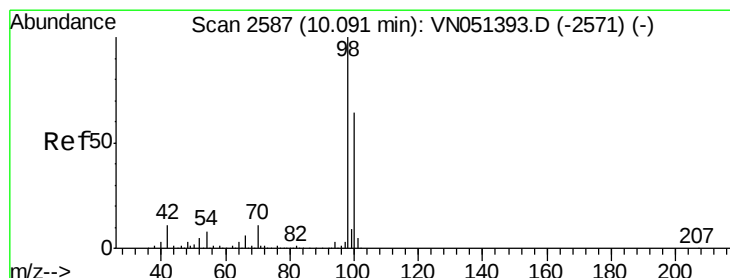
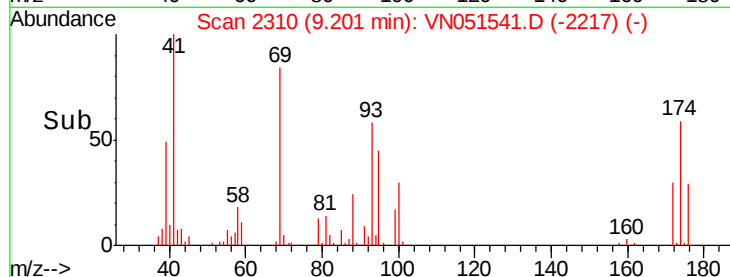
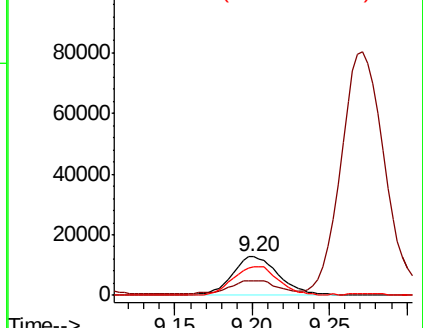
58 73.2 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VN051393.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051393.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2295) (-)



#50

Toluene-d8

Concen: 47.794 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051541.D

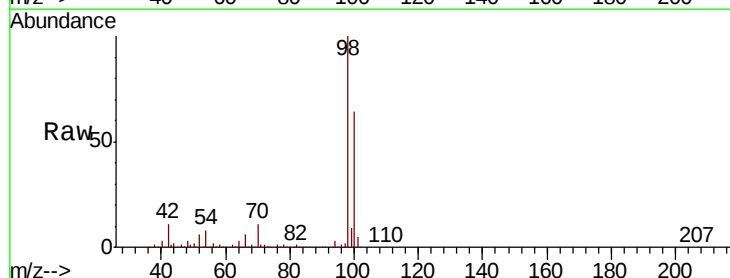
Acq: 26 Sep 2018 17:54

Tgt Ion: 98 Resp: 1138504

Ion Ratio Lower Upper

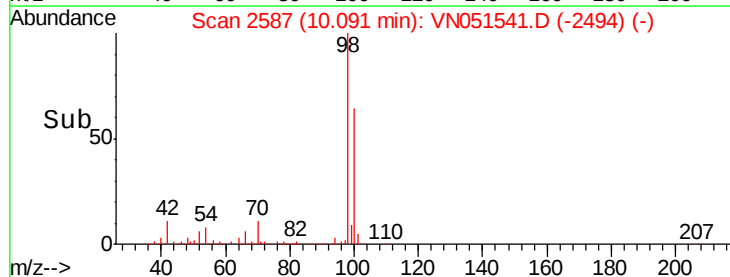
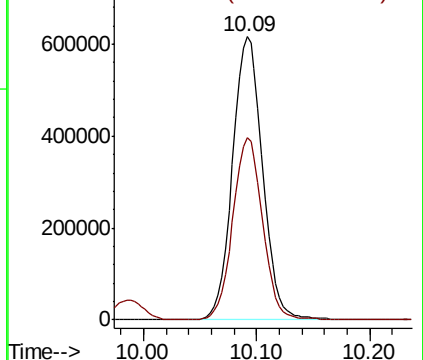
98 100

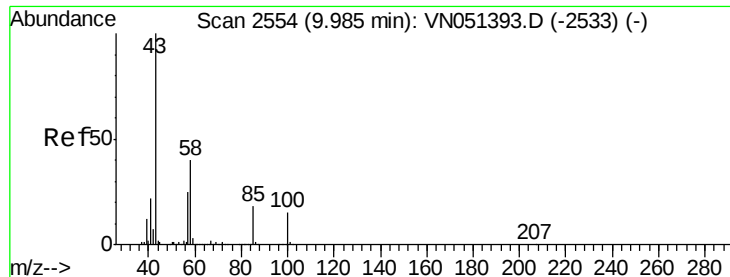
100 64.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

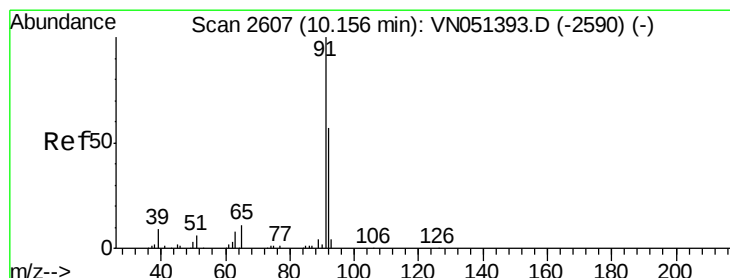
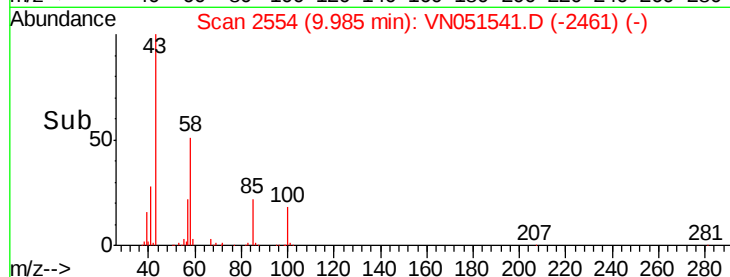
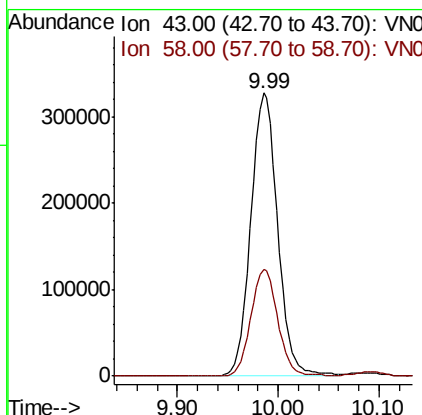
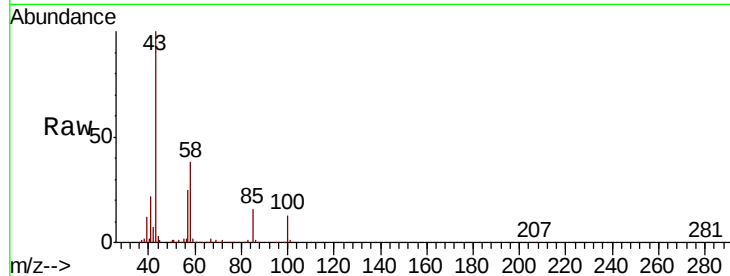




#51
 4-Methyl-2-Pentanone
 Concen: 114.385 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

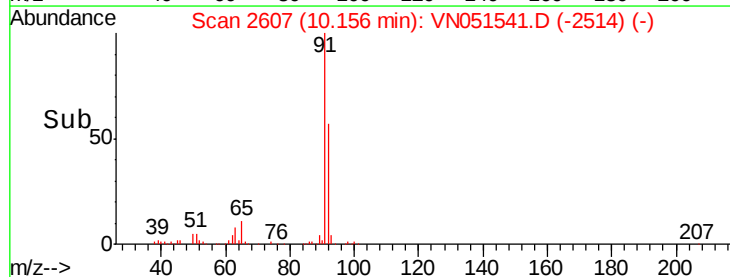
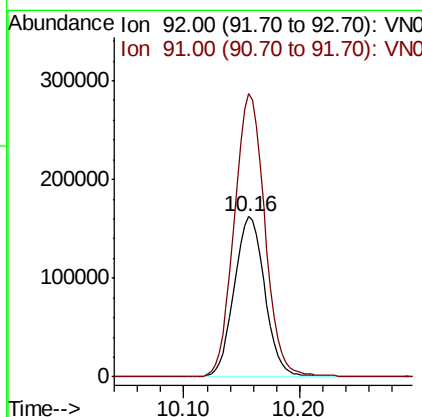
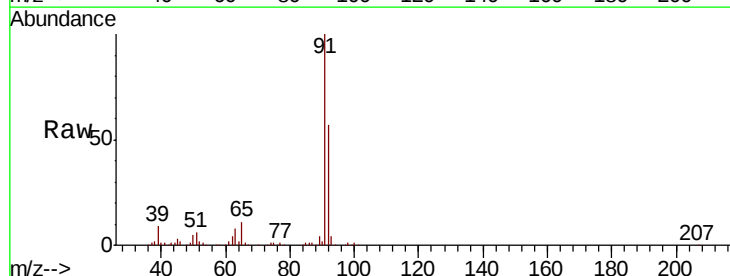
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

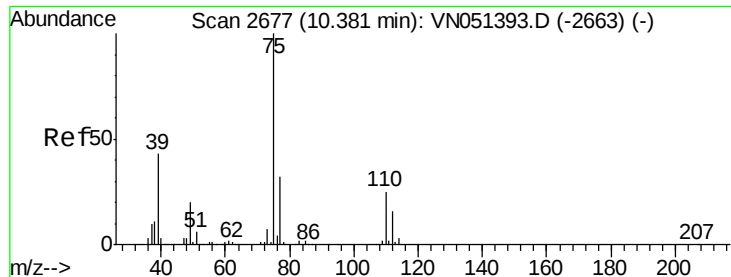
Tot Ion: 43 Resp: 599158
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.5 47.3



#52
 Toluene
 Concen: 17.834 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 92 Resp: 298121
 Ion Ratio Lower Upper
 92 100
 91 176.9 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 18.119 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

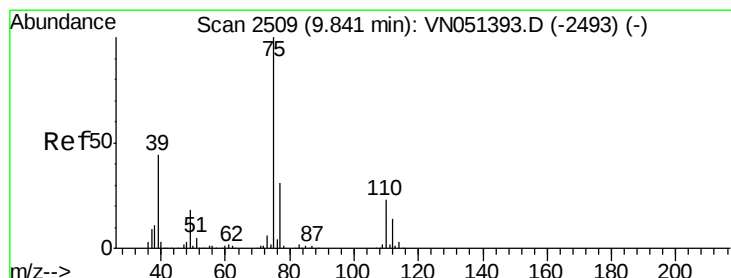
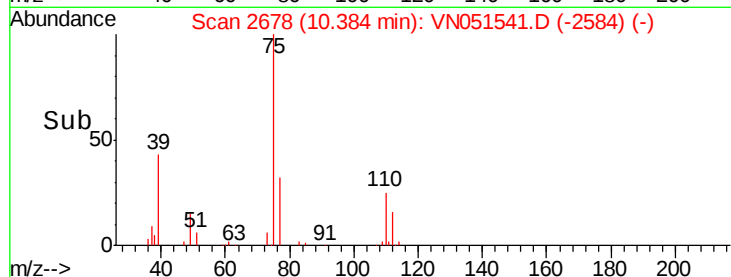
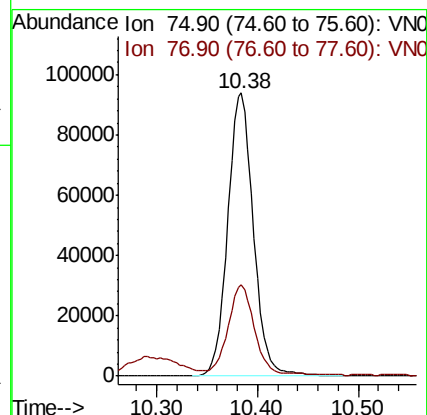
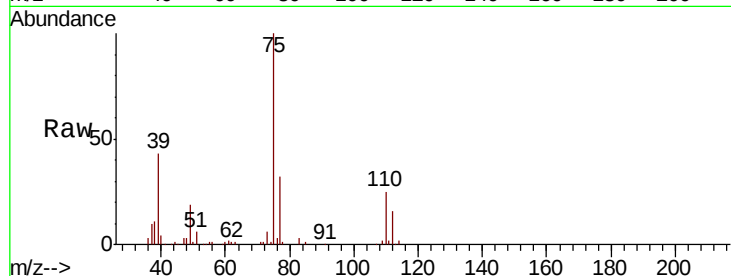
VN0927WBS01

Tot Ion: 75 Resp: 167241

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 18.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

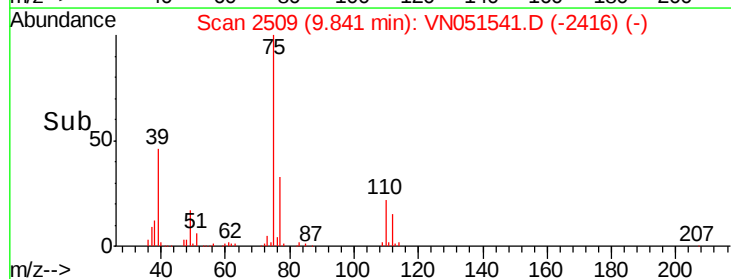
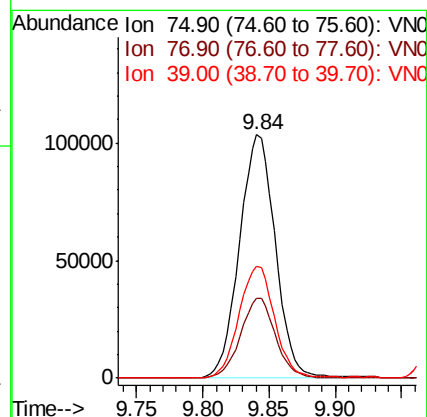
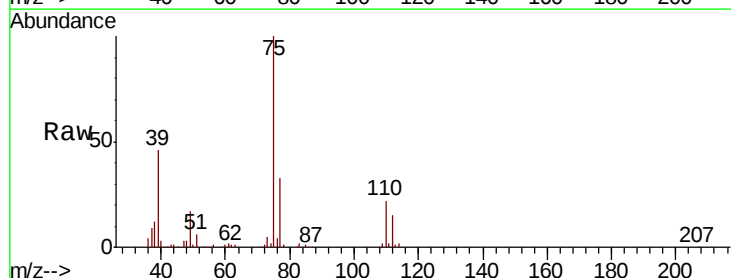
Tgt Ion: 75 Resp: 194903

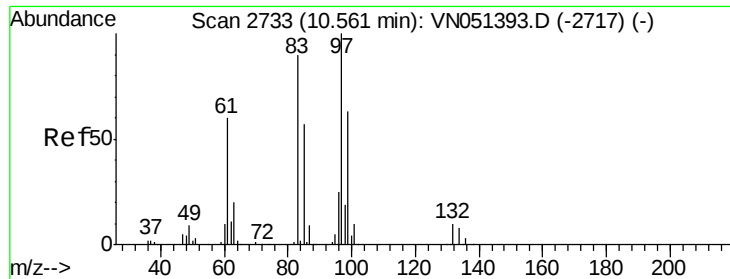
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 45.8 35.4 53.2

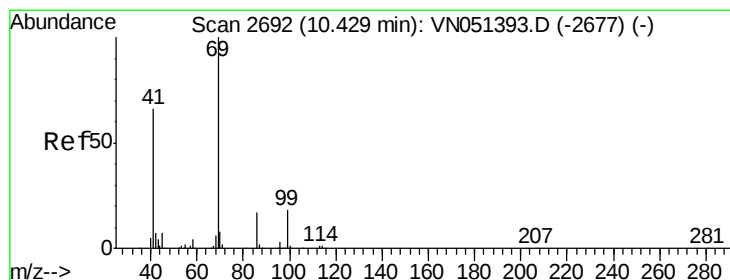
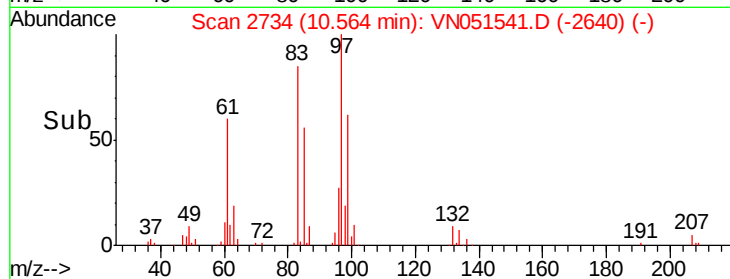
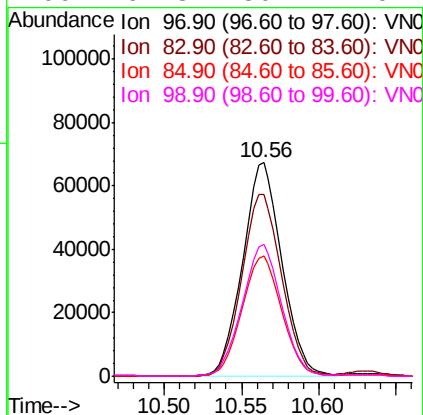
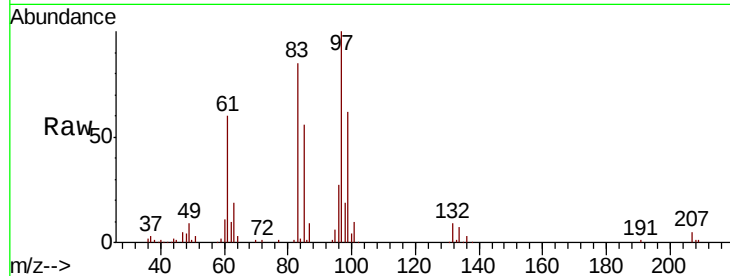




#55
 1,1,2-Trichloroethane
 Concen: 20.173 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

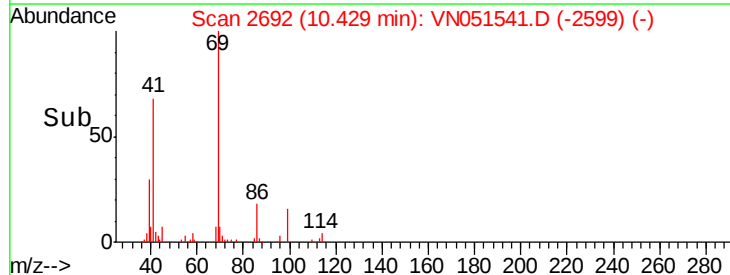
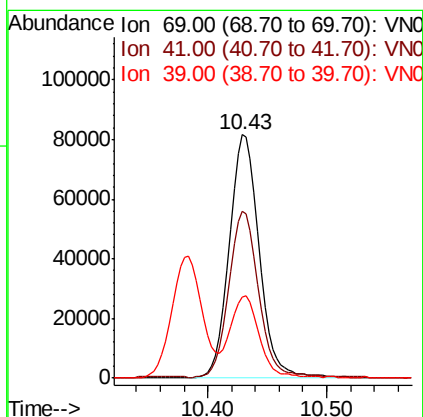
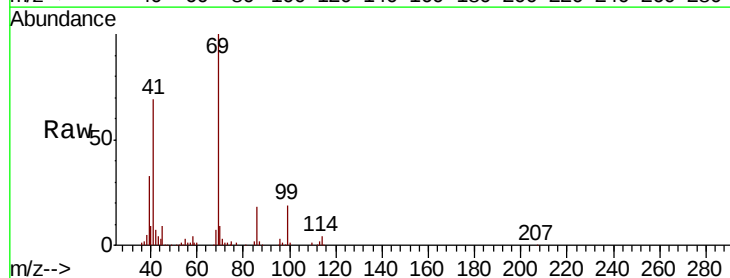
Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS01

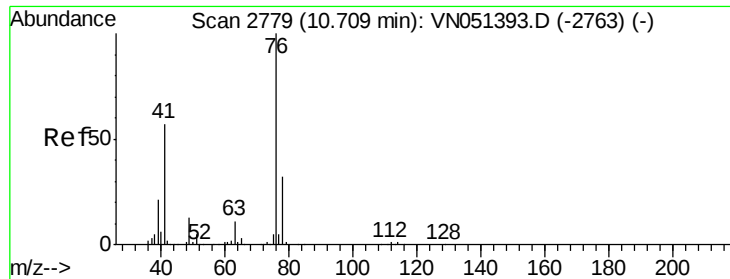
Tot Ion: 97 Resp: 119179
 Ion Ratio Lower Upper
 97 100
 83 84.8 72.0 108.0
 85 56.3 45.2 67.8
 99 61.3 50.7 76.1



#56
 Ethyl methacrylate
 Concen: 19.769 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 69 Resp: 142789
 Ion Ratio Lower Upper
 69 100
 41 67.5 52.4 78.6
 39 32.2 26.3 39.5

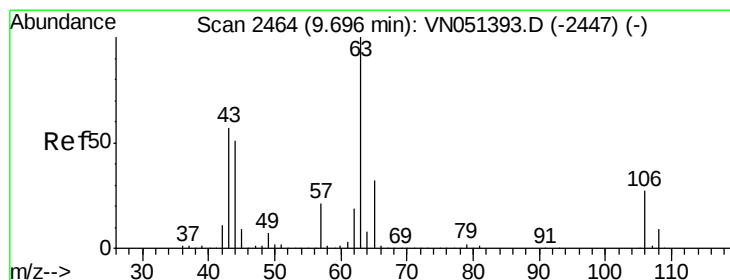
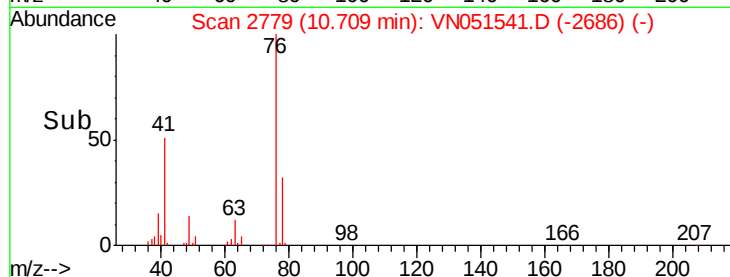
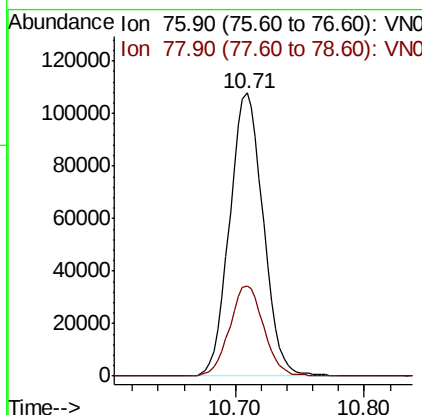
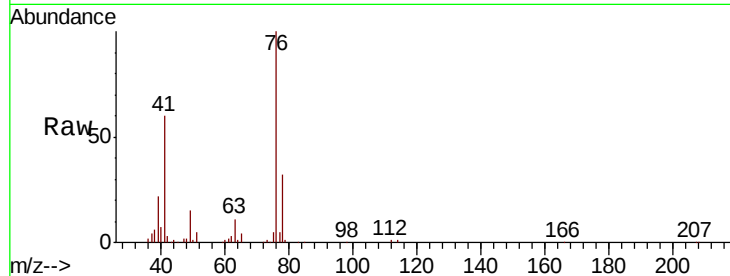




#57
 1,3-Dichloropropane
 Concen: 19.243 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

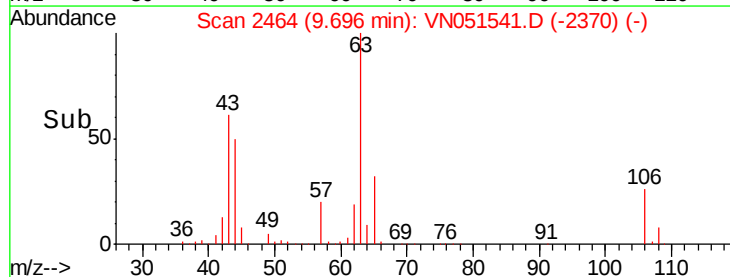
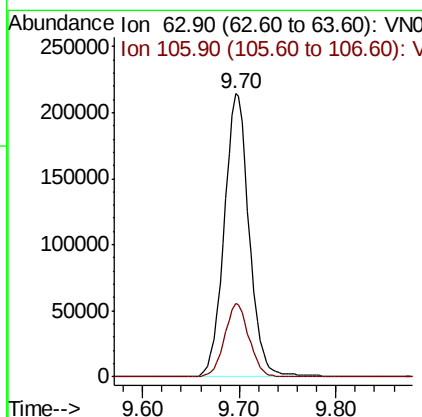
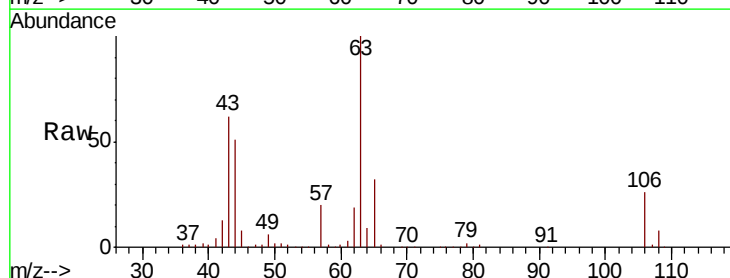
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

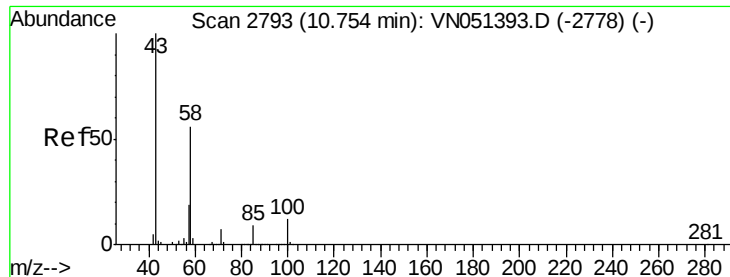
Tot Ion: 76 Resp: 194850
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.435 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 63 Resp: 383291
 Ion Ratio Lower Upper
 63 100
 106 25.5 21.4 32.2

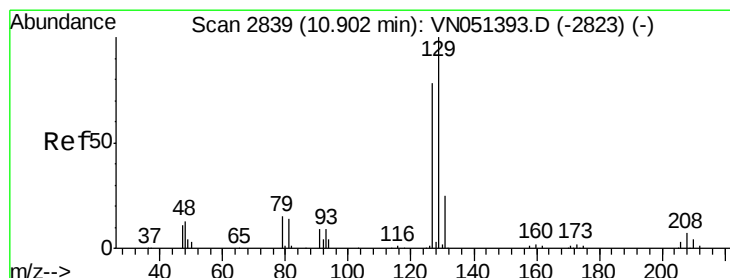
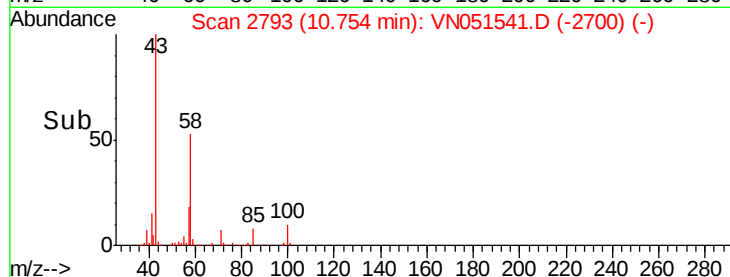
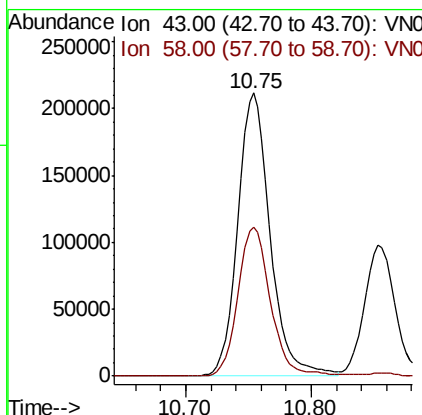
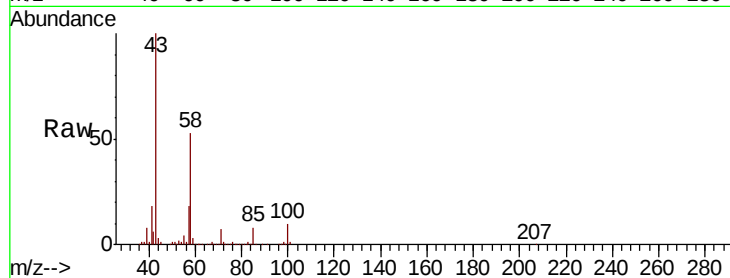




#59
2-Hexanone
Concen: 111.231 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

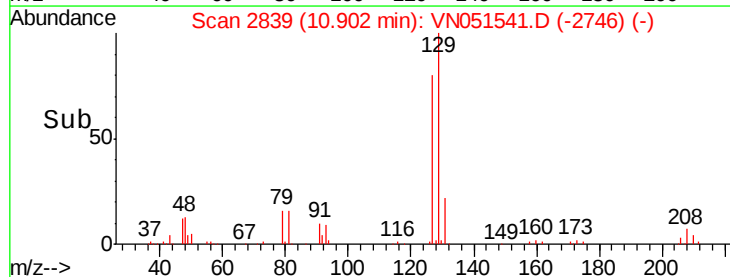
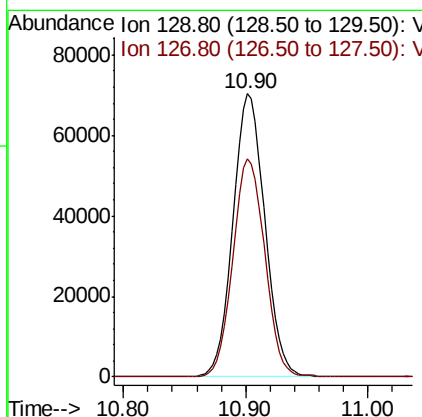
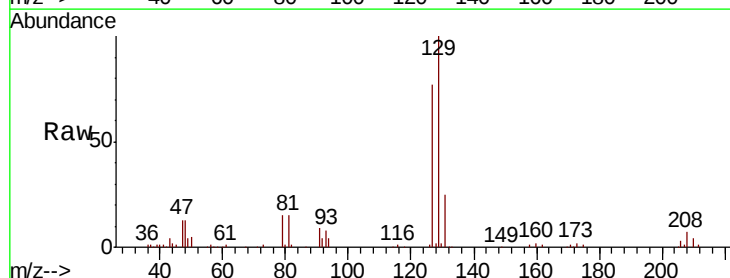
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

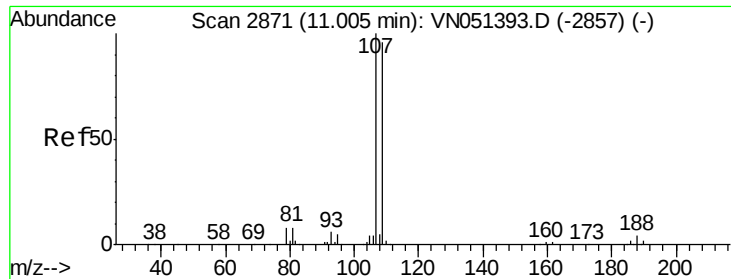
Tot Ion: 43 Resp: 377702
Ion Ratio Lower Upper
43 100
58 53.1 27.7 83.0



#60
Dibromochloromethane
Concen: 18.328 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 129 Resp: 127755
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0

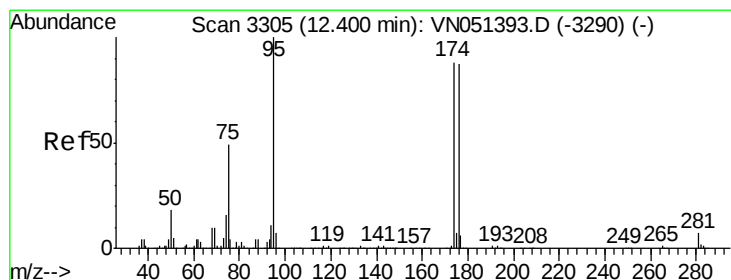
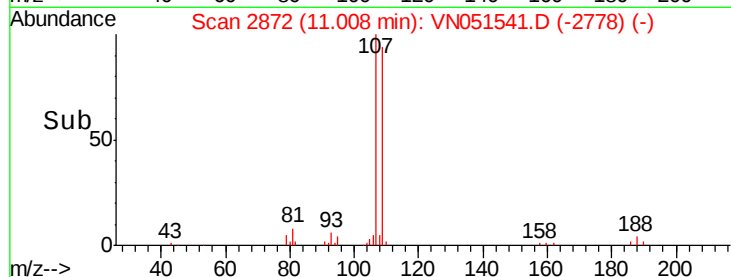
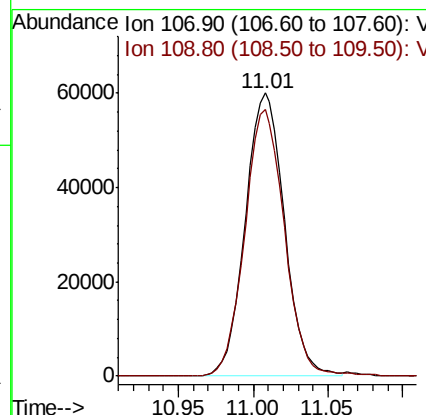
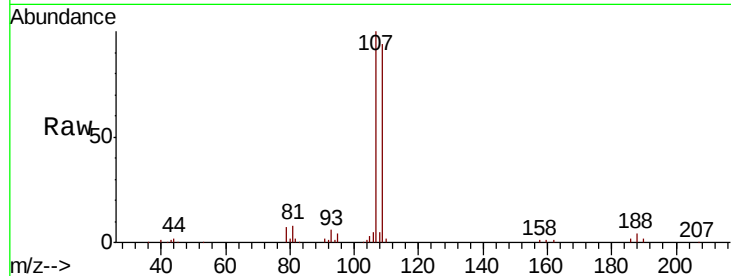




#61
 1,2-Dibromoethane
 Concen: 19.099 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

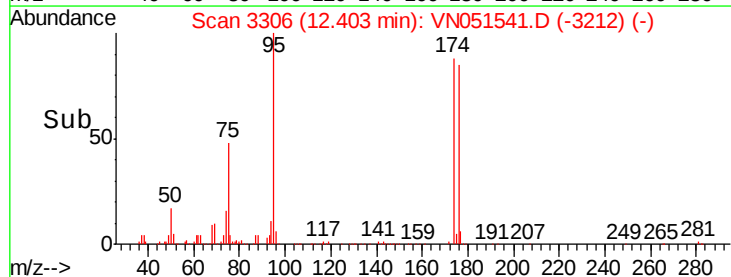
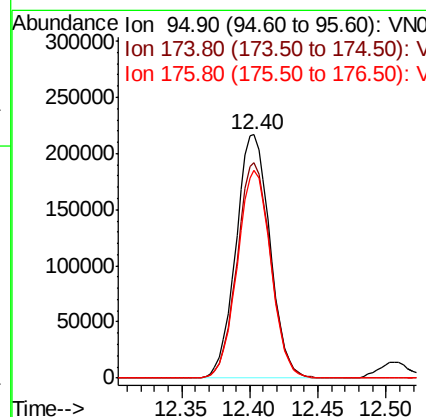
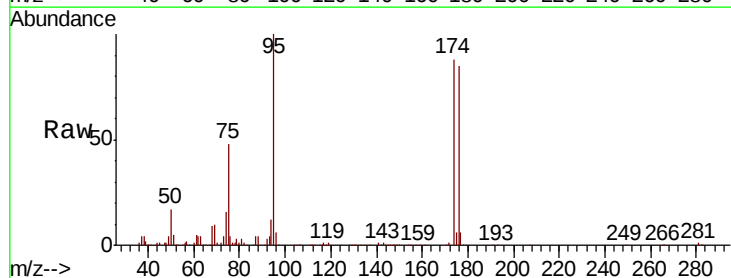
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

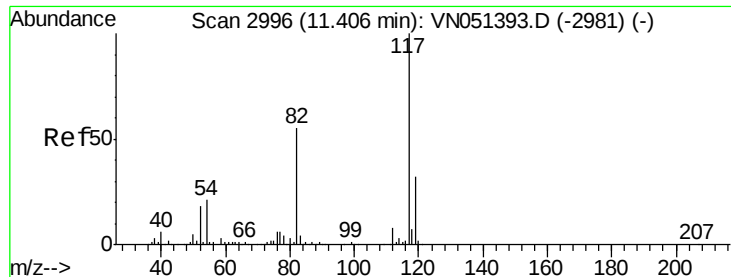
Tot Ion: 107 Resp: 109531
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 48.649 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion: 95 Resp: 374896
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 181.6
 176 84.2 0.0 176.4

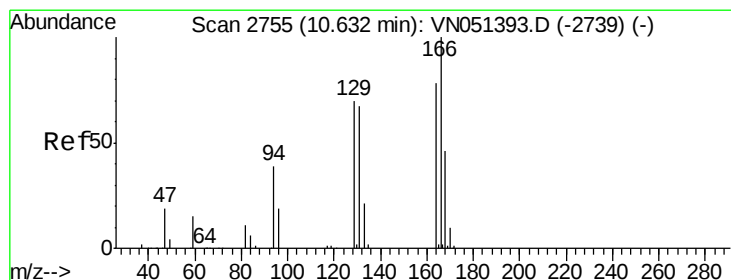
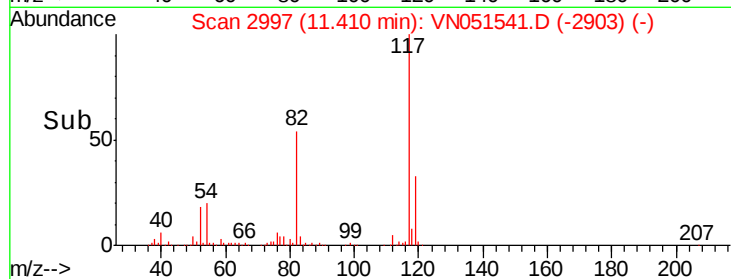
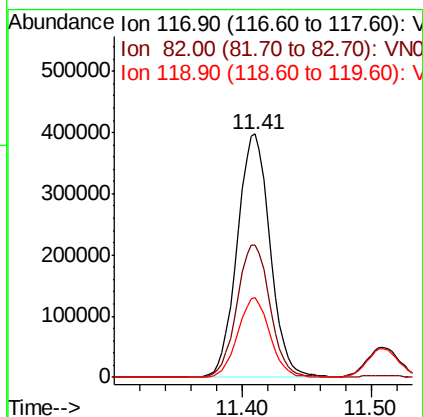
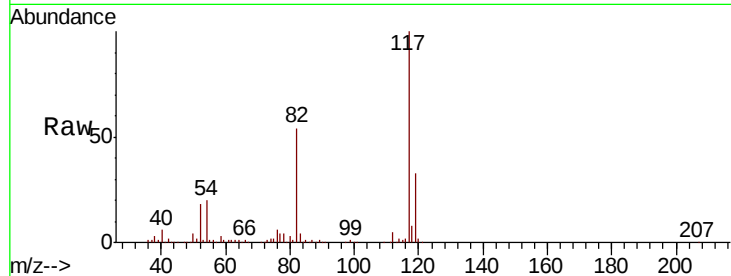




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

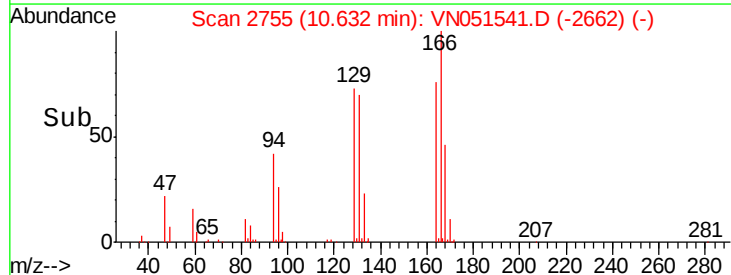
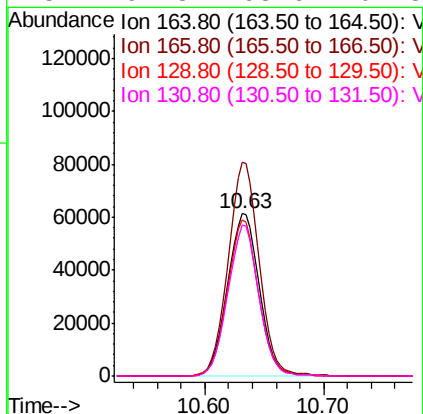
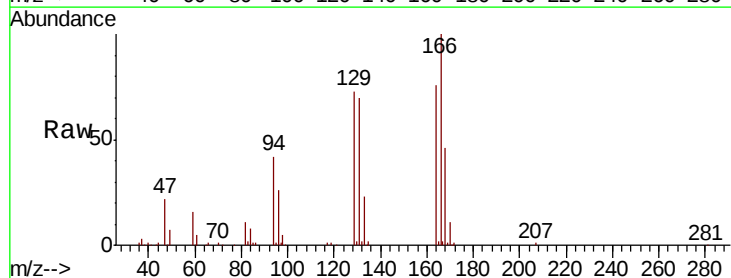
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

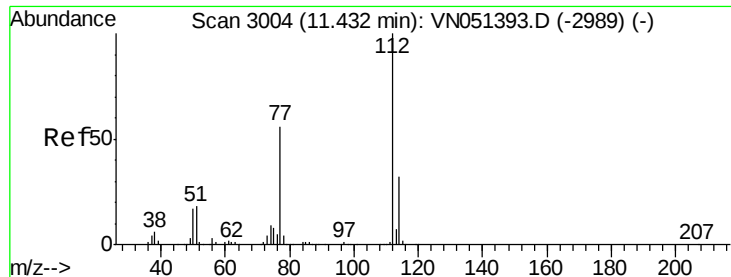
Tot Ion:117 Resp: 705036
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.6 25.9 38.9



#64
Tetrachloroethene
Concen: 17.771 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion:164 Resp: 113711
Ion Ratio Lower Upper
164 100
166 131.7 102.3 153.5
129 96.2 71.8 107.8
131 92.8 68.6 102.8





#65

Chlorobenzene

Concen: 18.011 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

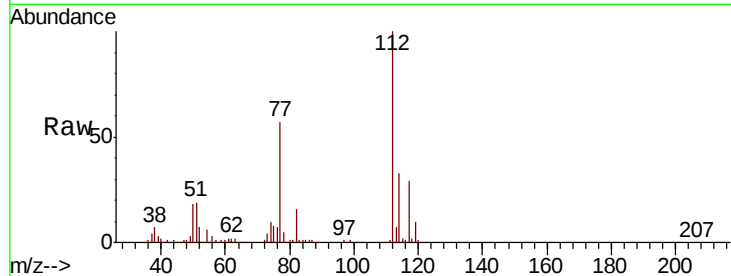
VN0927WBS01

Tot Ion:112 Resp: 325794

Ion Ratio Lower Upper

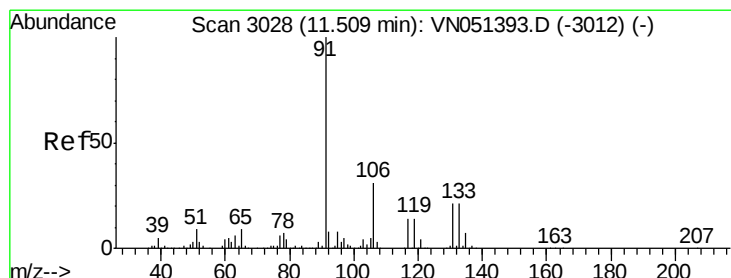
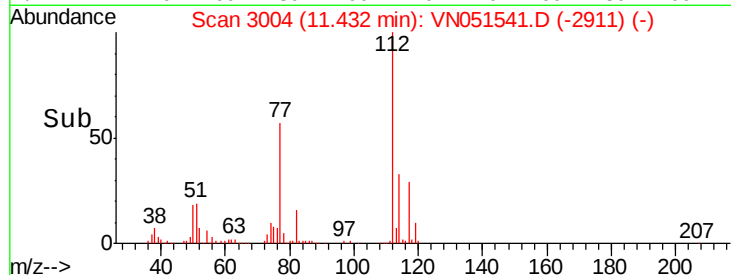
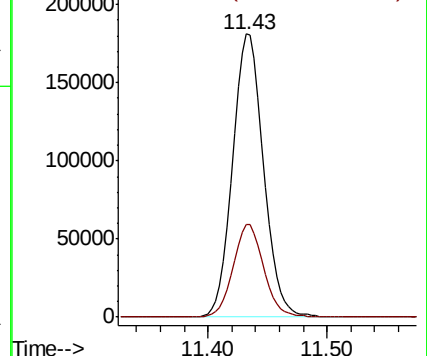
112 100

114 32.7 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.325 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

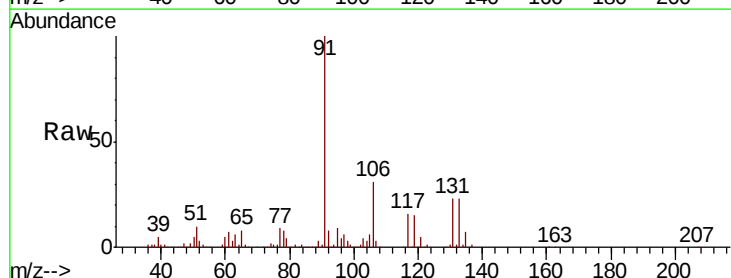
Tgt Ion:131 Resp: 126290

Ion Ratio Lower Upper

131 100

133 97.1 48.3 144.8

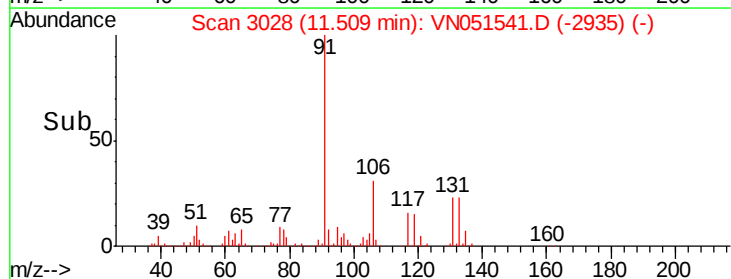
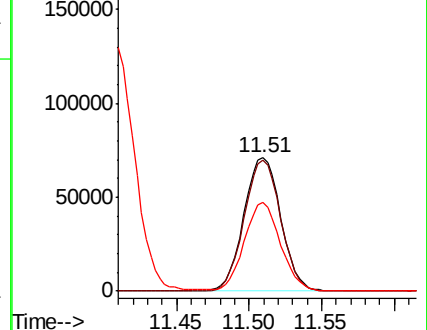
119 65.0 32.8 98.4

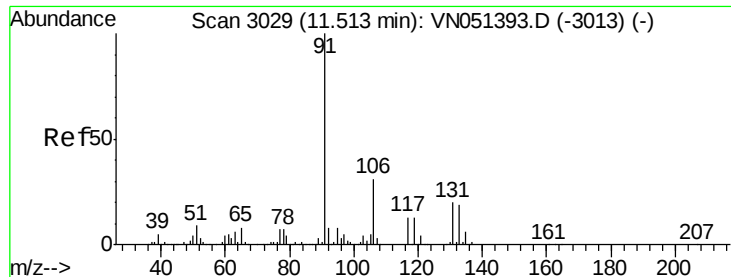


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

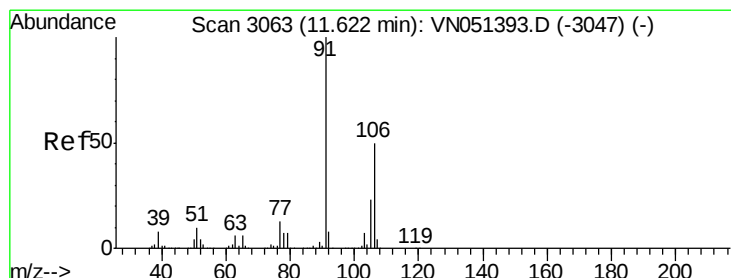
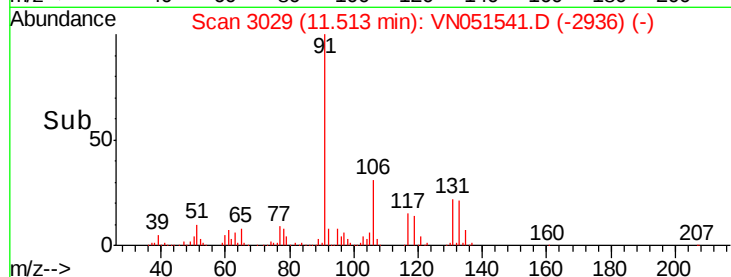
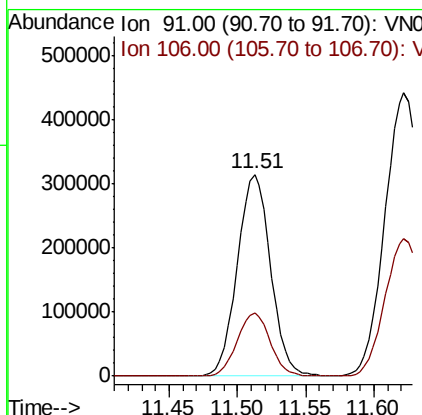
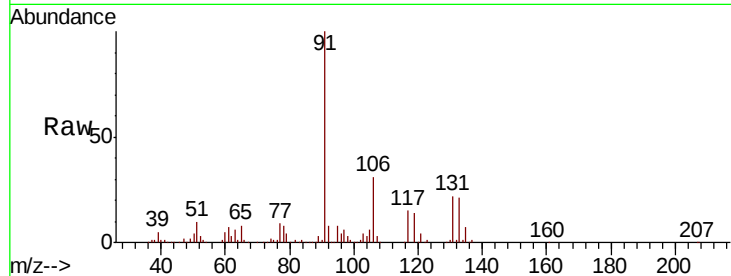




#67
Ethyl Benzene
Concen: 17.509 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

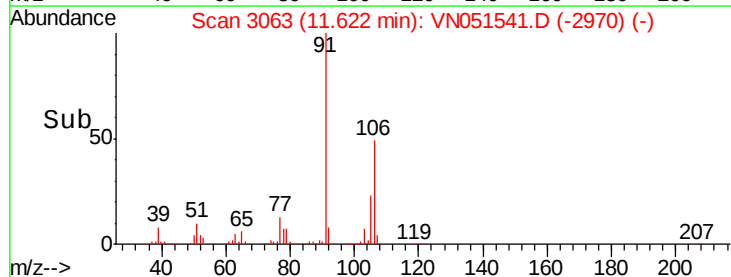
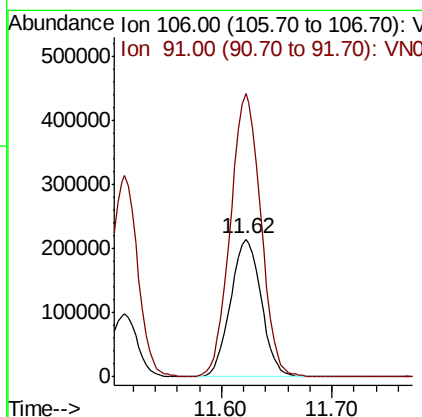
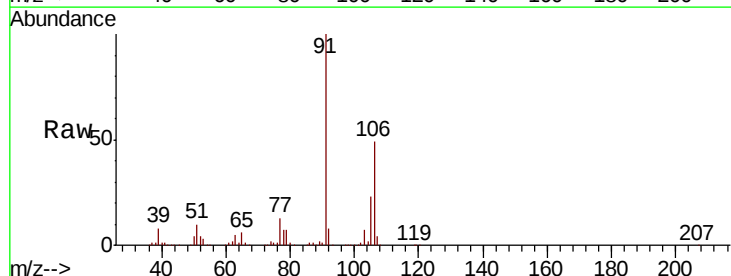
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

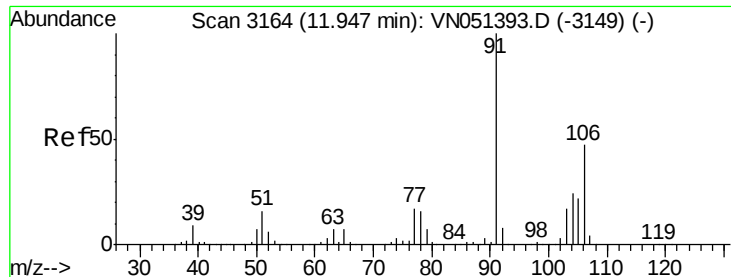
Tot Ion: 91 Resp: 533744
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 35.226 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion: 106 Resp: 415377
Ion Ratio Lower Upper
106 100
91 203.0 161.3 241.9

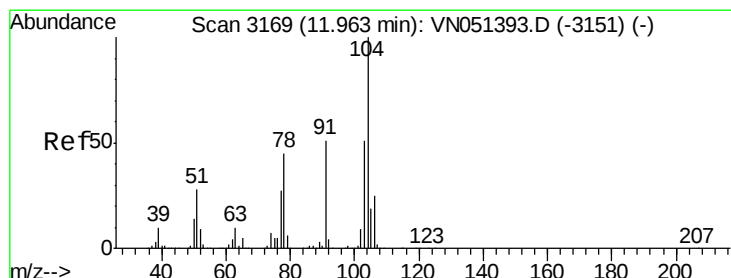
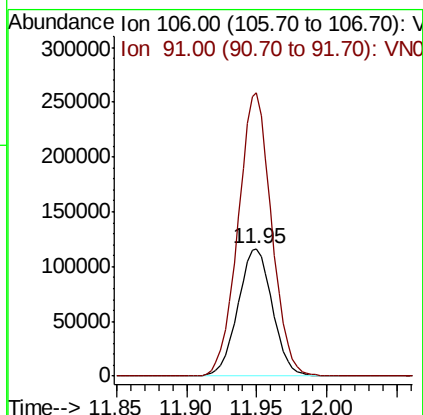
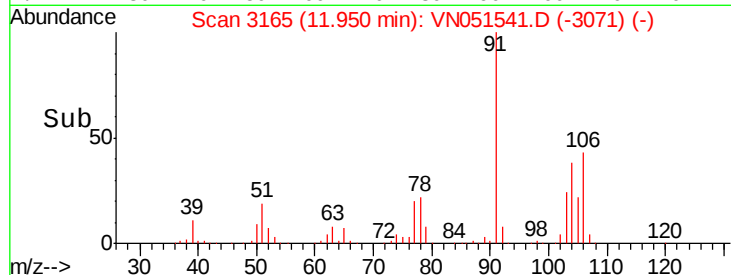
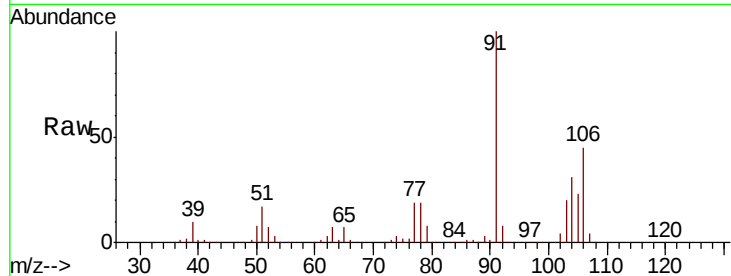




#69
o-Xylene
Concen: 17.539 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

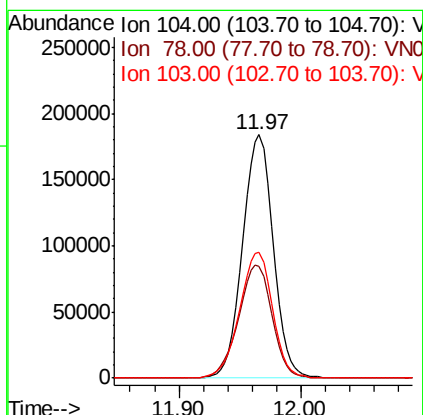
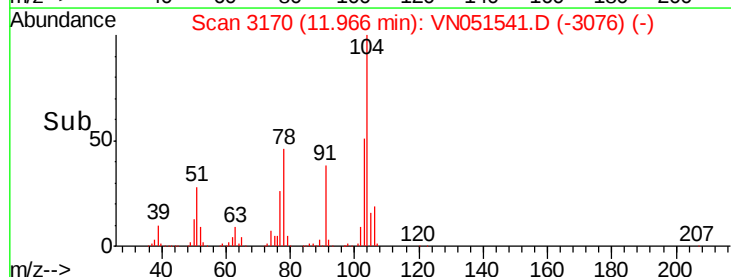
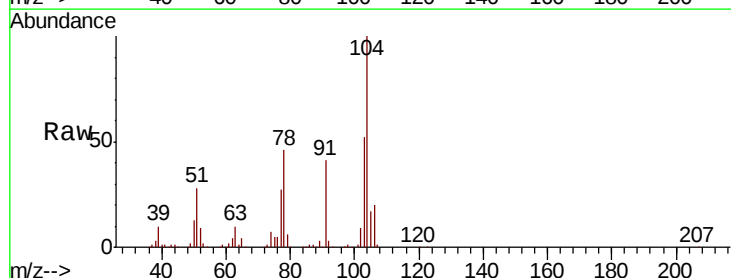
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

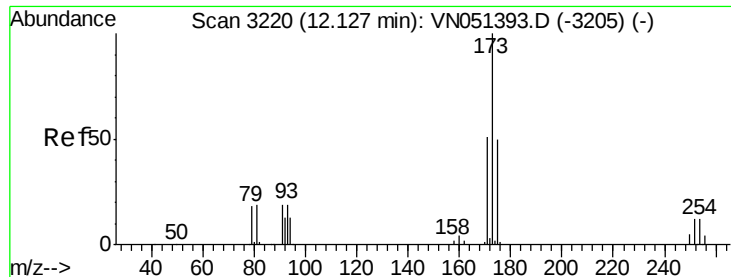
Tot Ion:106 Resp: 198822
Ion Ratio Lower Upper
106 100
91 216.7 105.3 315.9



#70
Styrene
Concen: 17.725 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion:104 Resp: 318393
Ion Ratio Lower Upper
104 100
78 51.1 39.9 59.9
103 55.7 44.6 66.8

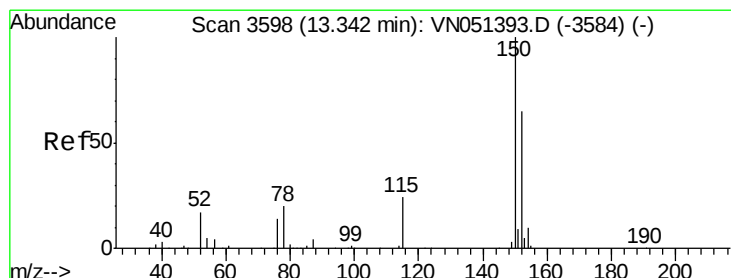
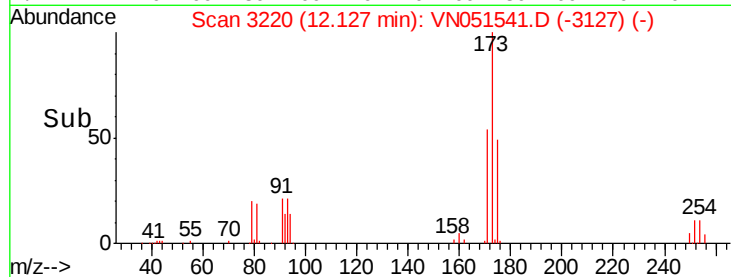
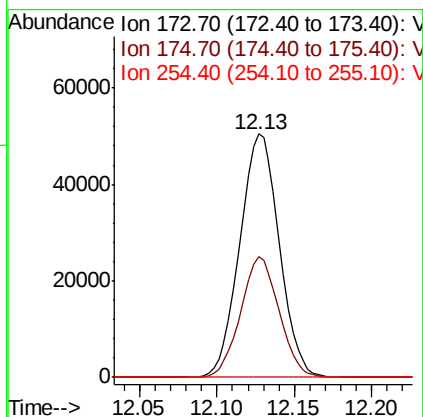
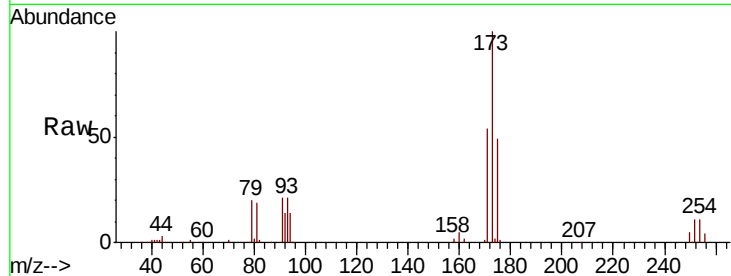




#71
 Bromoform
 Concen: 19.126 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

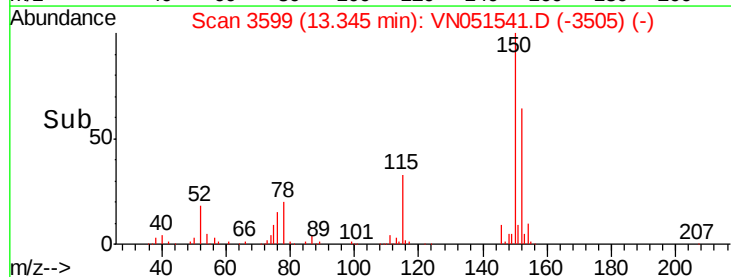
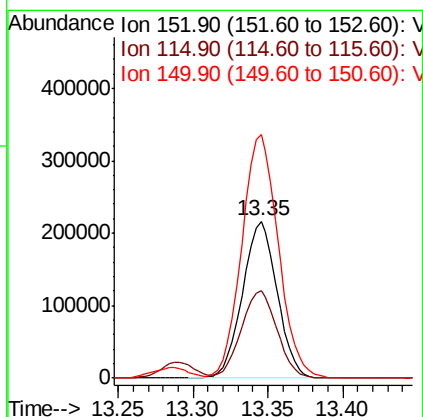
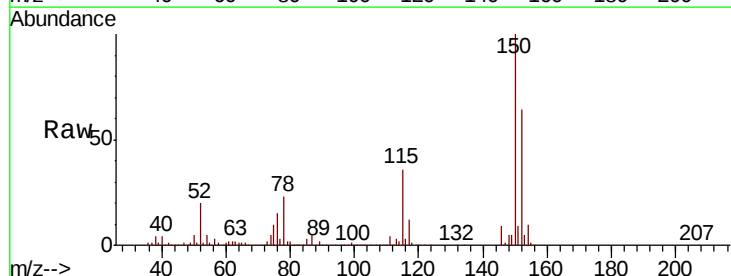
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

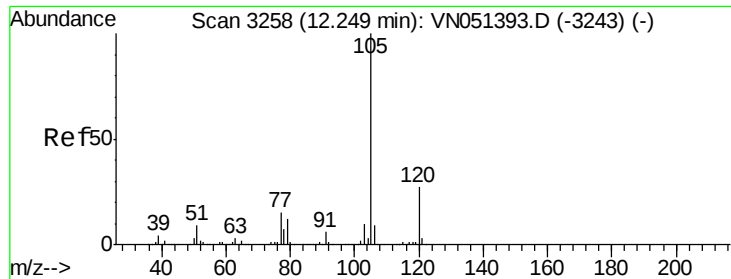
Tot Ion:173 Resp: 89442
 Ion Ratio Lower Upper
 173 100
 175 48.4 24.8 74.3
 254 0.0 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion:152 Resp: 348826
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.3 84.9
 150 163.6 0.0 353.6





#73

Isopropylbenzene

Concen: 18.432 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

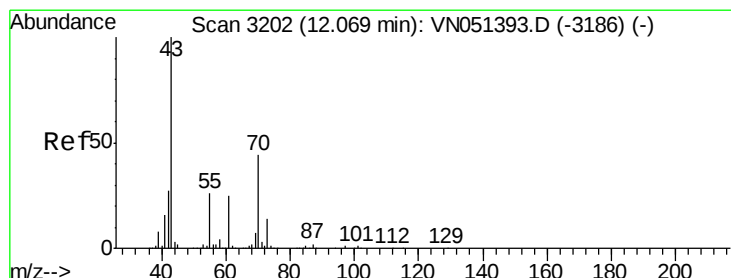
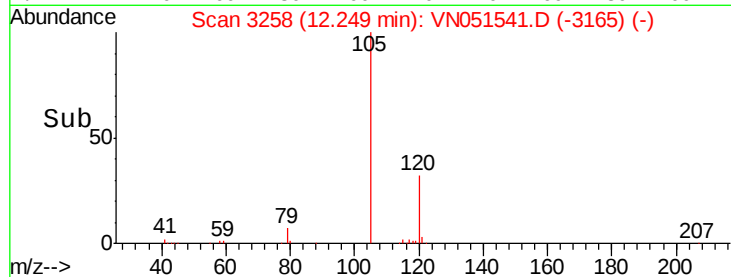
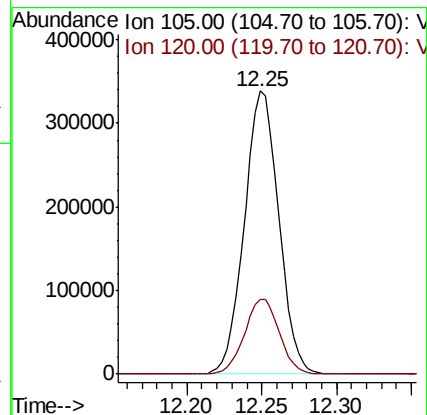
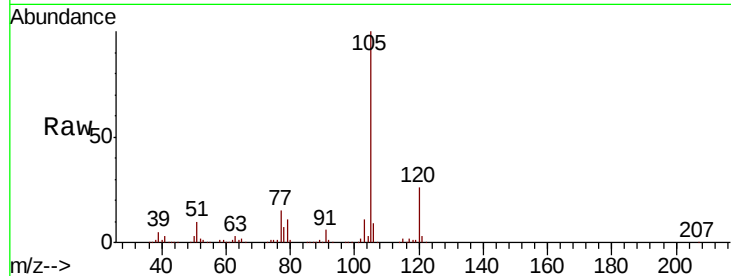
VN0927WBS01

Tot Ion:105 Resp: 542497

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 21.219 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Tgt Ion: 43 Resp: 156690

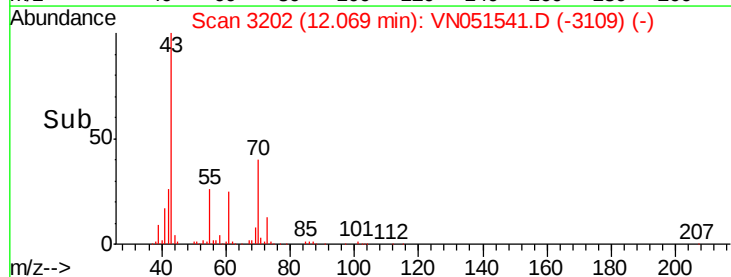
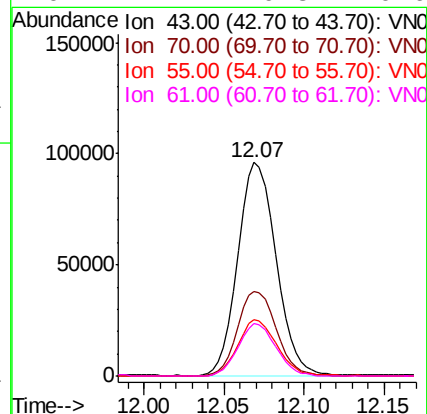
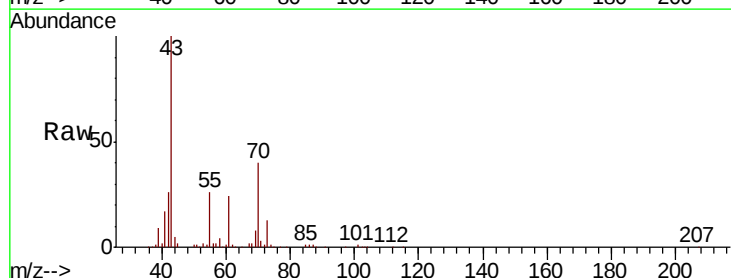
Ion Ratio Lower Upper

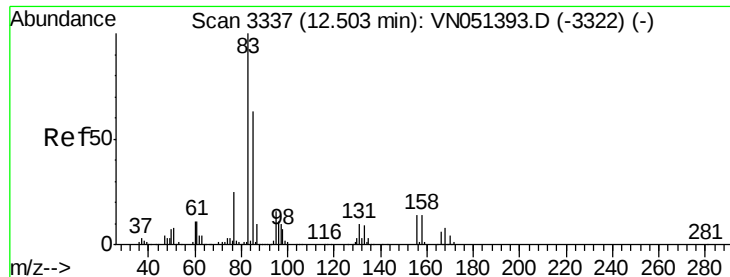
43 100

70 40.3 35.0 52.4

55 27.0 21.4 32.2

61 24.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.149 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

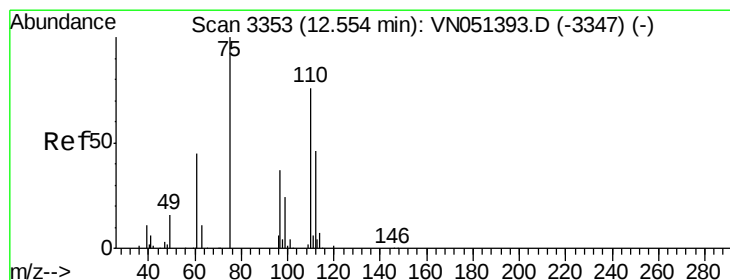
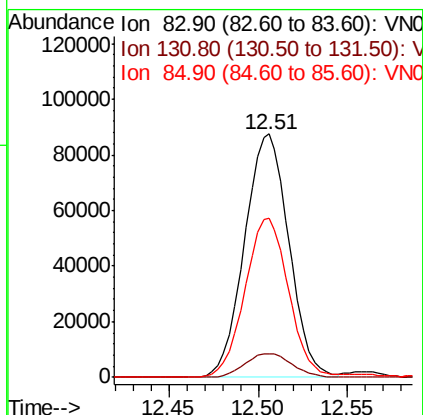
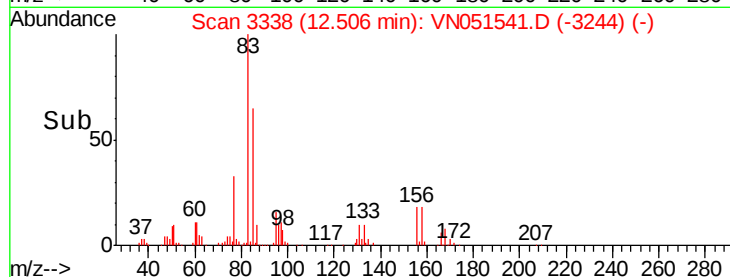
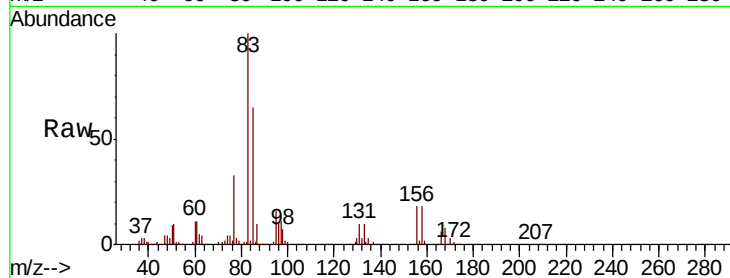
Tot Ion: 83 Resp: 152012

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

85 64.2 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 31.124 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051541.D

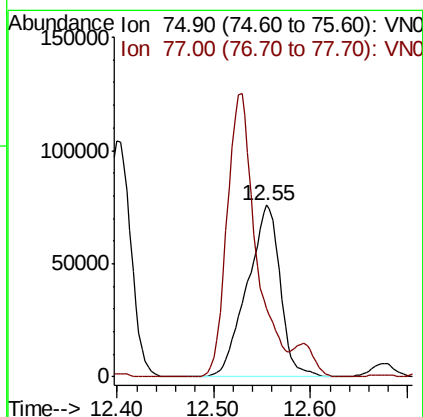
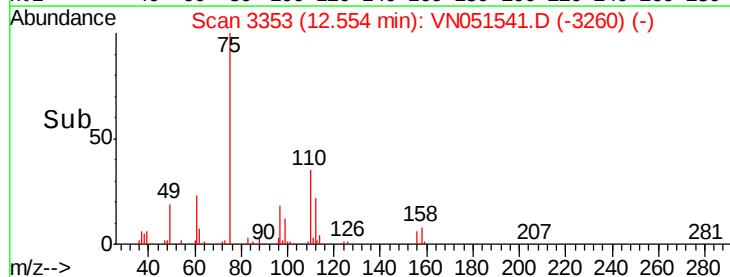
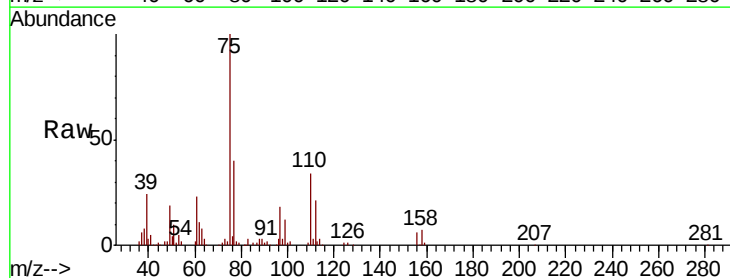
Acq: 26 Sep 2018 17:54

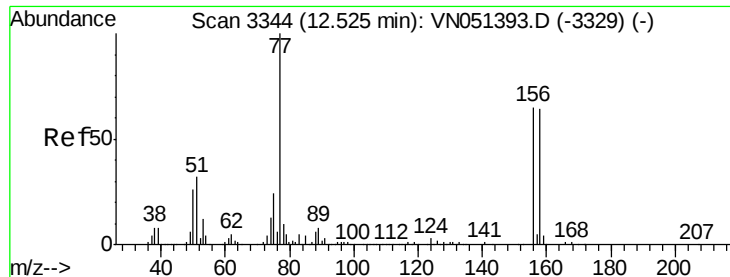
Tgt Ion: 75 Resp: 180232

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.168 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

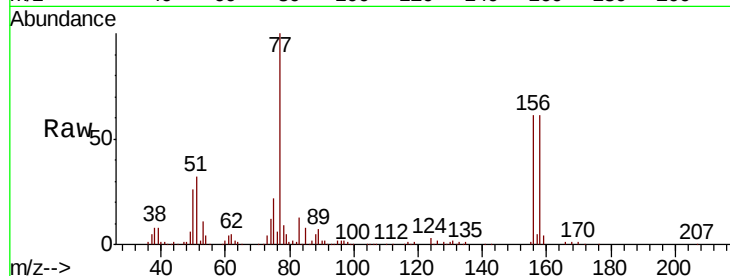
Tot Ion:156 Resp: 135363

Ion Ratio Lower Upper

156 100

77 193.4 89.5 268.4

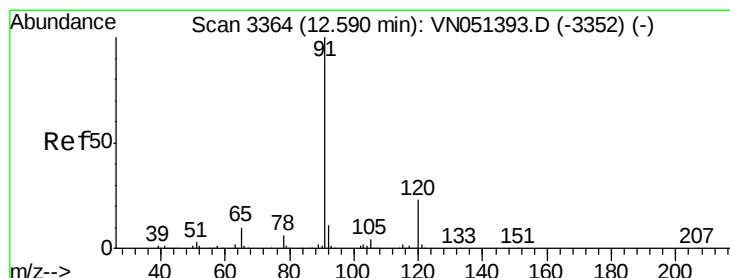
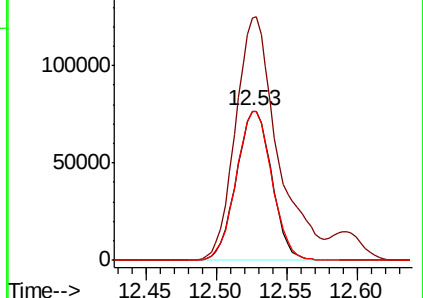
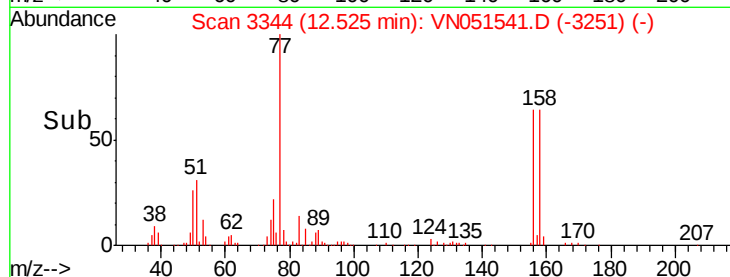
158 100.1 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.698 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051541.D

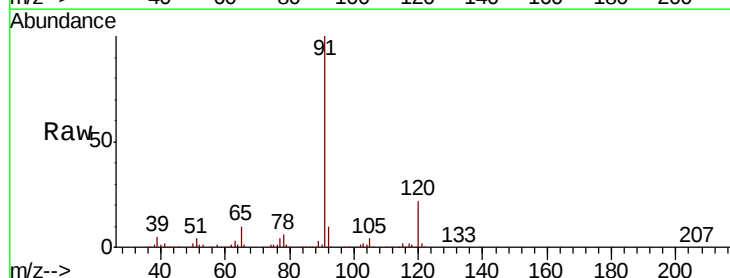
Acq: 26 Sep 2018 17:54

Tgt Ion: 91 Resp: 620222

Ion Ratio Lower Upper

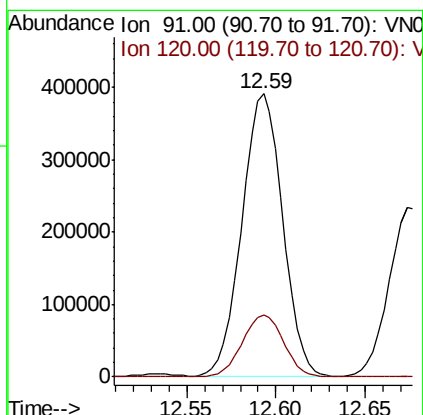
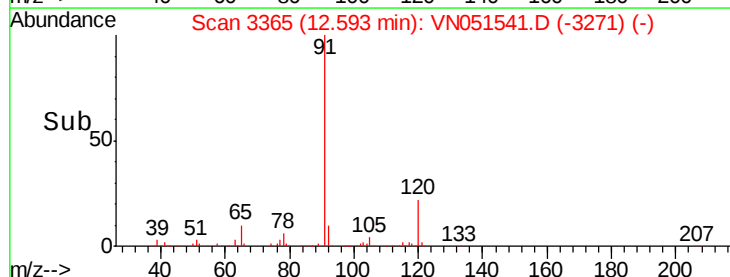
91 100

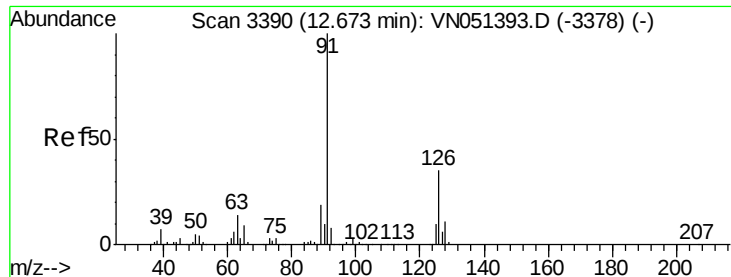
120 22.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

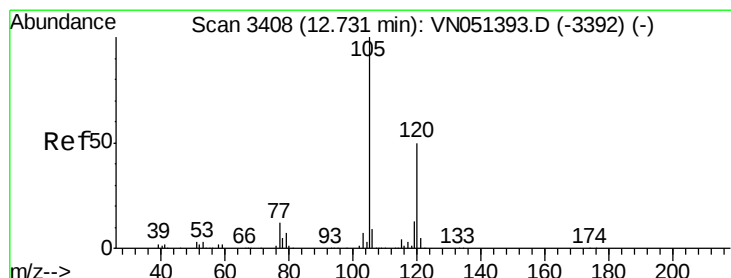
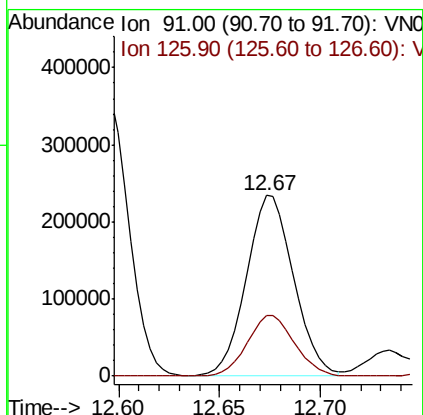
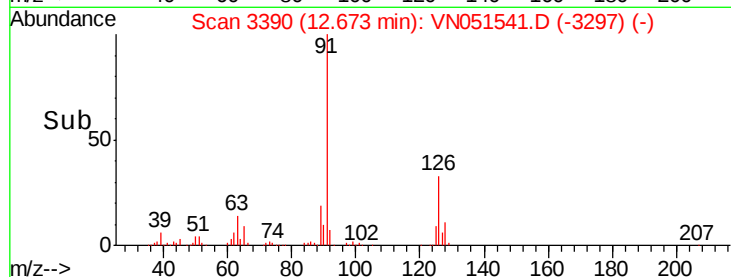
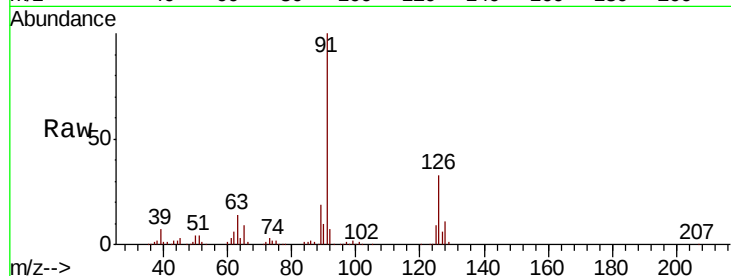
VN0927WBS01

Tot Ion: 91 Resp: 382302

Ion Ratio Lower Upper

91 100

126 33.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 18.827 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051541.D

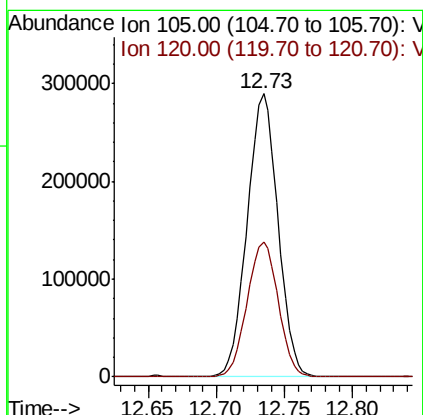
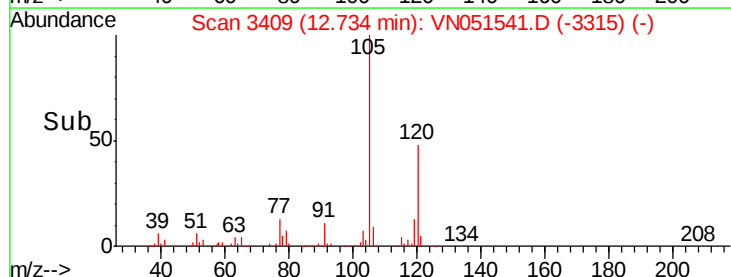
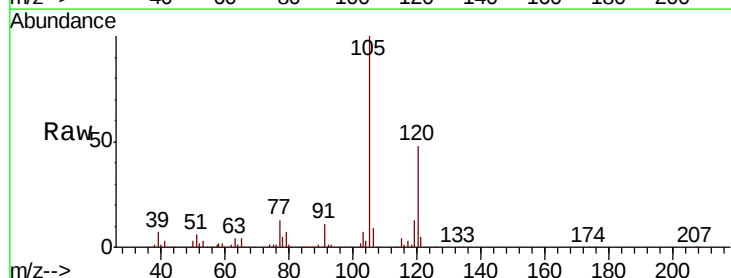
Acq: 26 Sep 2018 17:54

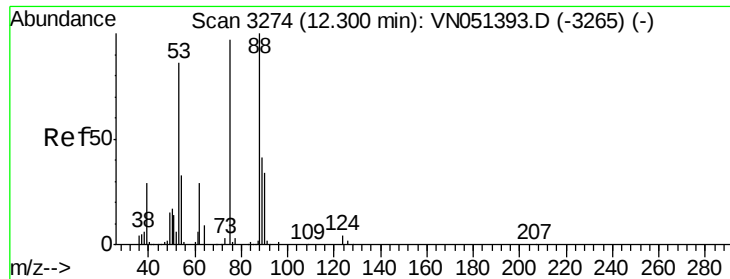
Tgt Ion: 105 Resp: 451829

Ion Ratio Lower Upper

105 100

120 48.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.791 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

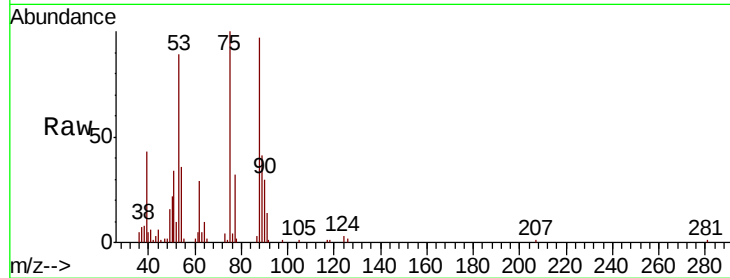
Tot Ion: 75 Resp: 39153

Ion Ratio Lower Upper

75 100

53 91.4 73.9 110.9

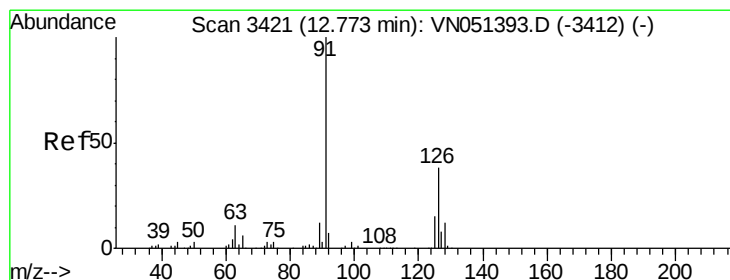
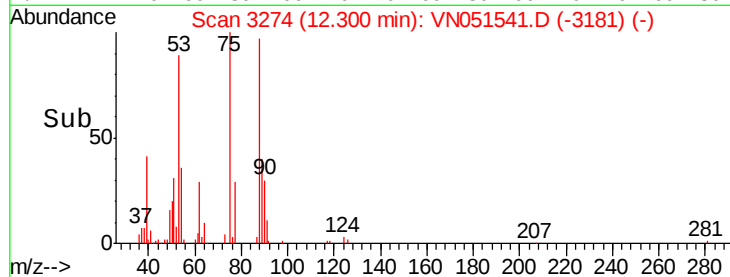
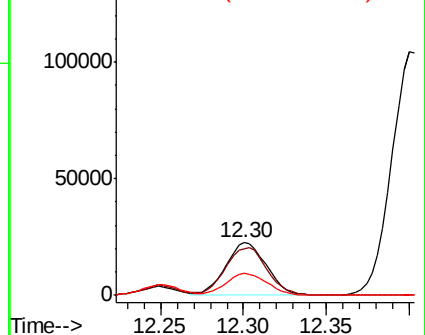
89 42.3 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.557 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051541.D

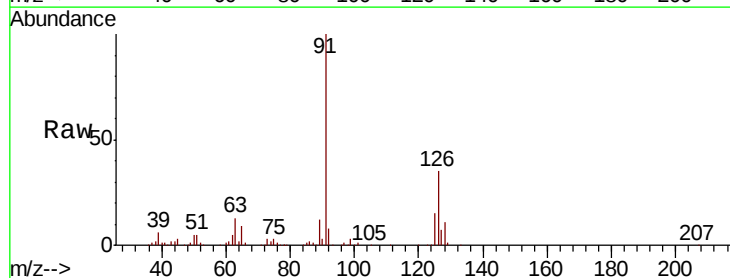
Acq: 26 Sep 2018 17:54

Tgt Ion: 91 Resp: 367752

Ion Ratio Lower Upper

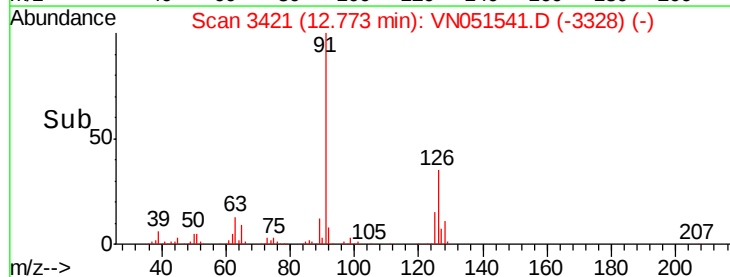
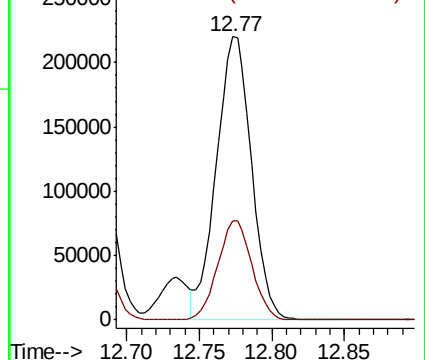
91 100

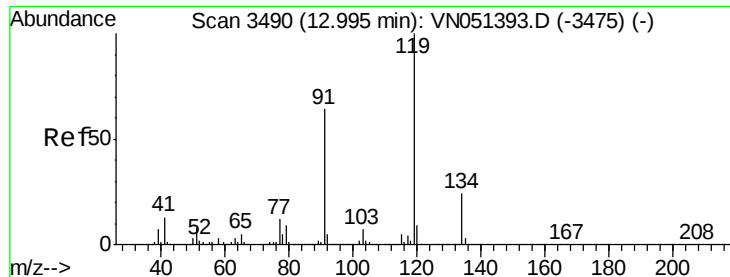
126 34.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

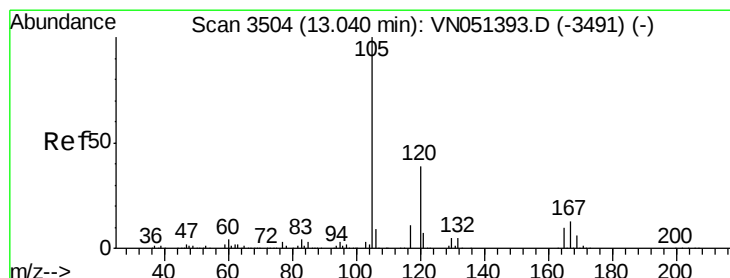
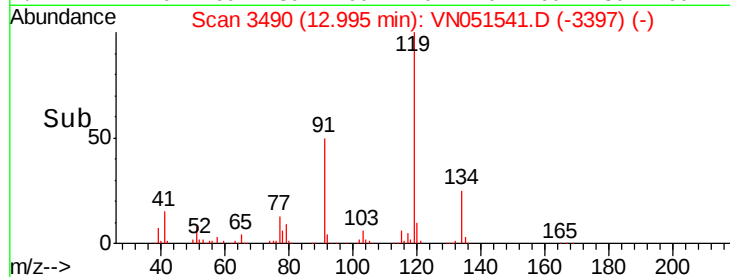
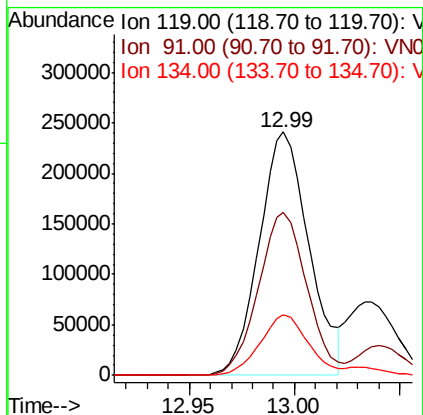
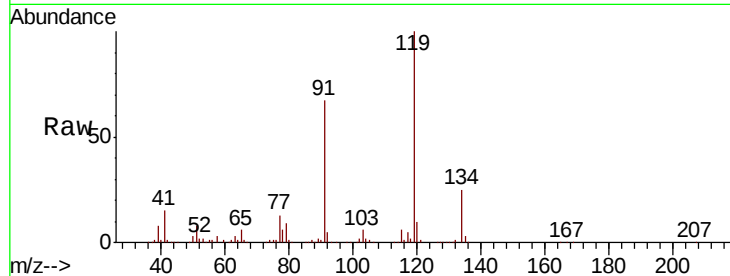




#83
tert-Butylbenzene
Concen: 18.541 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

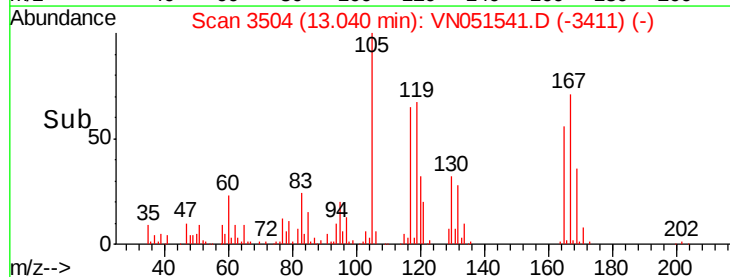
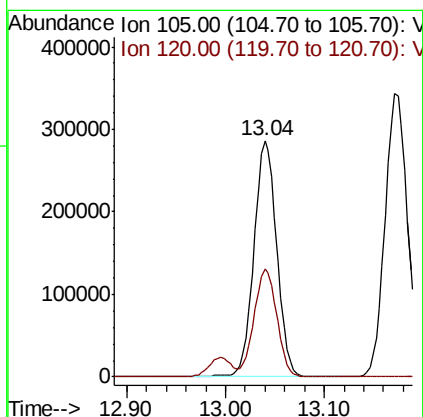
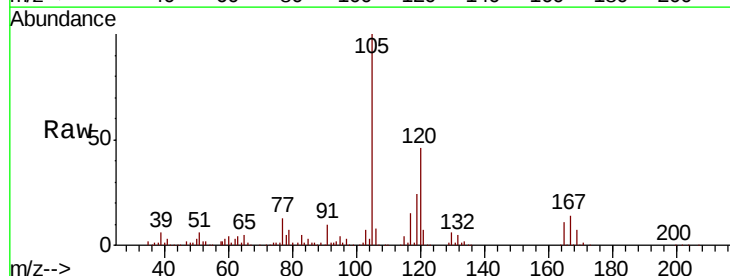
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

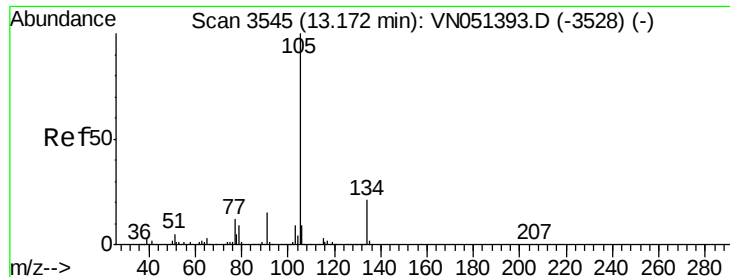
Tot Ion:119 Resp: 396057
Ion Ratio Lower Upper
119 100
91 65.4 31.7 95.1
134 24.4 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 18.817 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051541.D
Acq: 26 Sep 2018 17:54

Tgt Ion:105 Resp: 455064
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 18.776 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

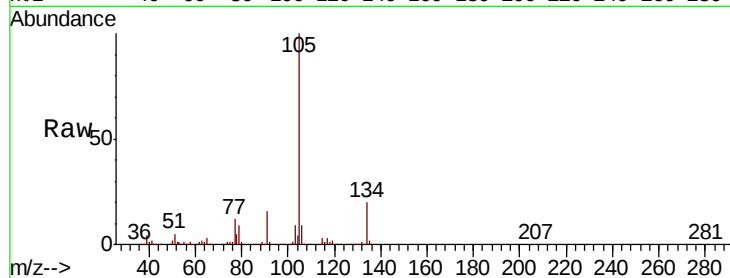
VN0927WBS01

Tot Ion:105 Resp: 542594

Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

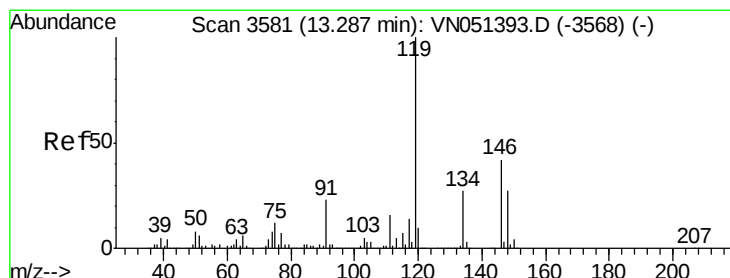
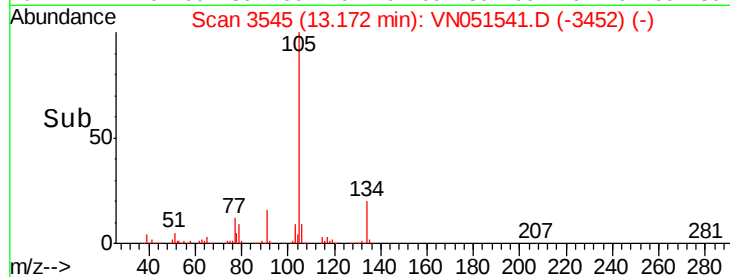
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.515 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

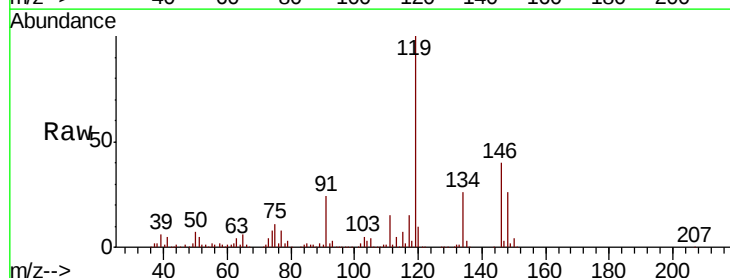
Tgt Ion:119 Resp: 462967

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 23.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

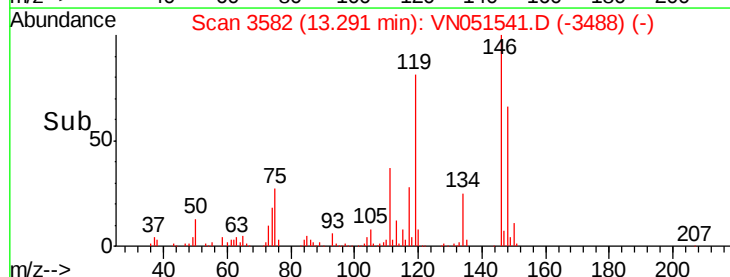
300000

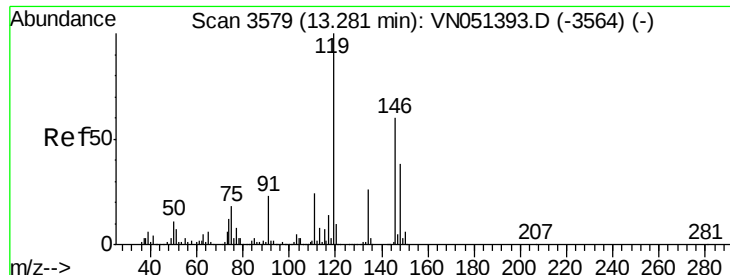
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.540 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

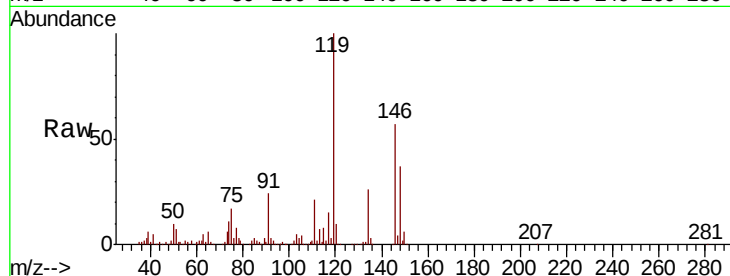
Tot Ion:146 Resp: 239040

Ion Ratio Lower Upper

146 100

111 38.2 19.7 59.1

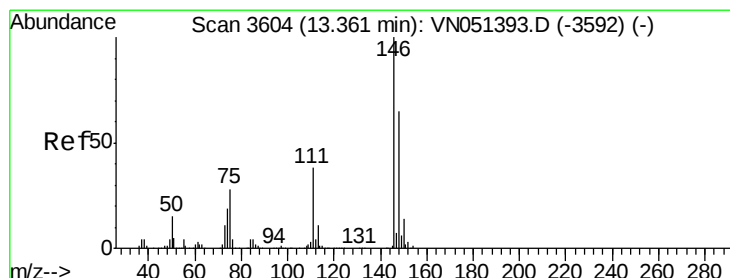
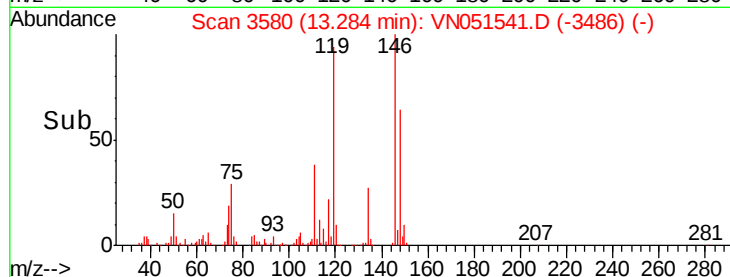
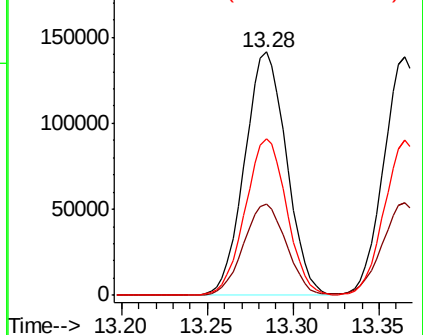
148 63.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.397 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

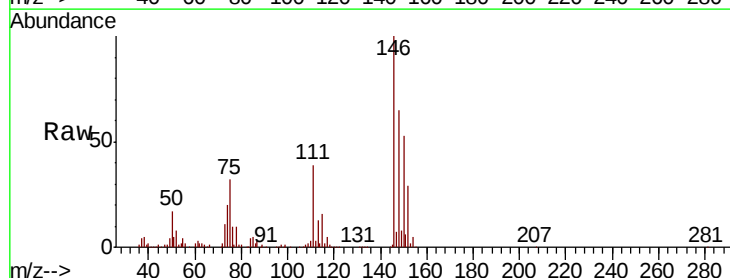
Tgt Ion:146 Resp: 228227

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.1

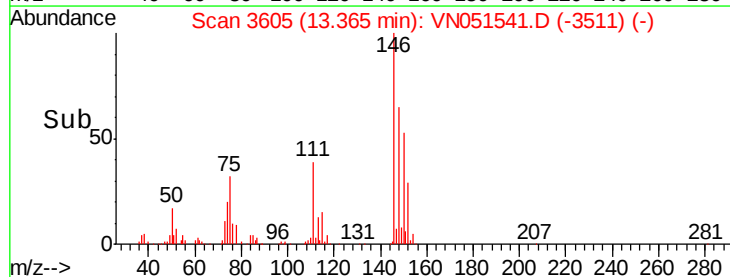
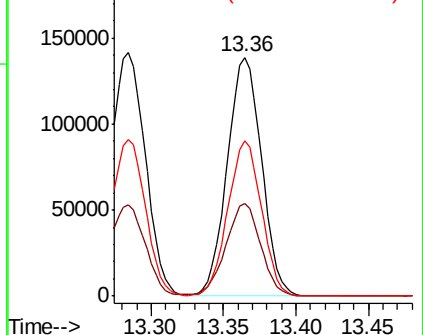
148 63.9 32.5 97.5

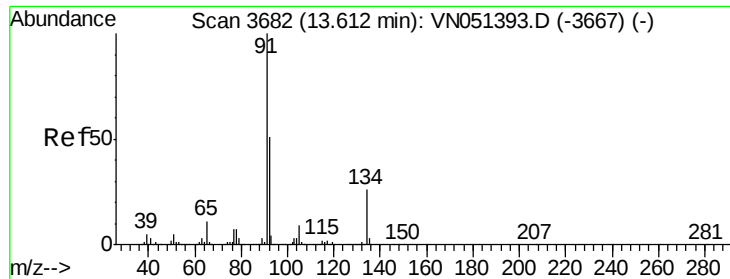


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.410 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

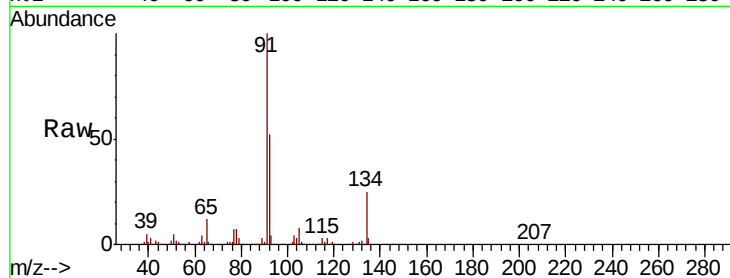
Tot Ion: 91 Resp: 357978

Ion Ratio Lower Upper

91 100

92 51.3 25.5 76.5

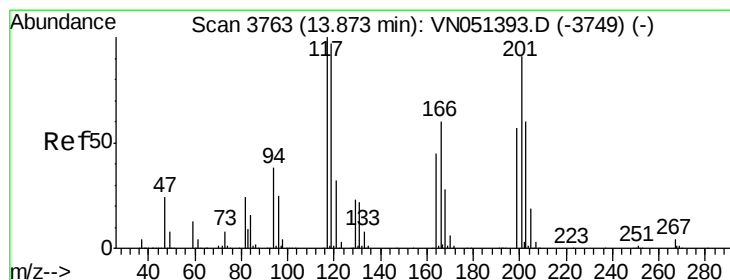
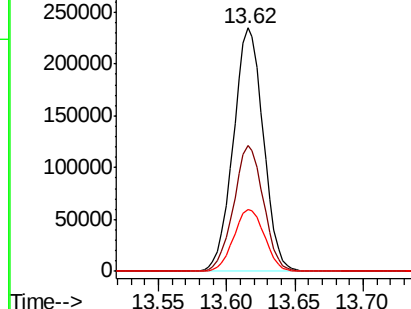
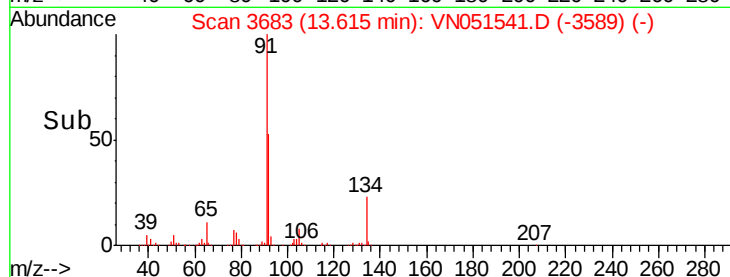
134 26.1 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051393.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051393.D (-3667) (-)



#90

Hexachloroethane

Concen: 18.350 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051541.D

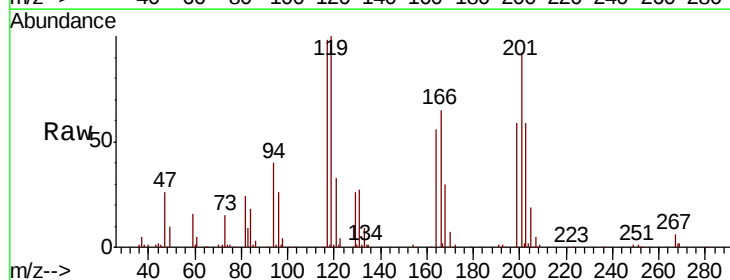
Acq: 26 Sep 2018 17:54

Tgt Ion: 117 Resp: 91423

Ion Ratio Lower Upper

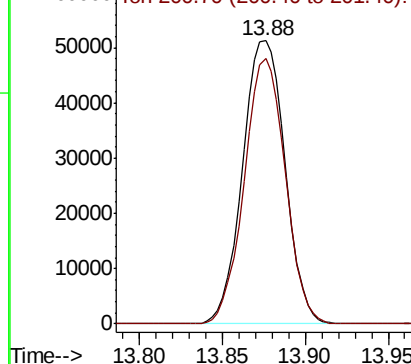
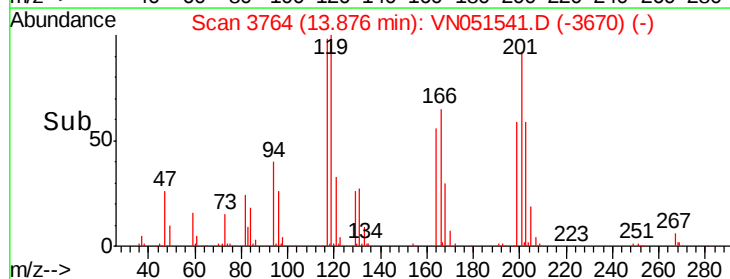
117 100

201 90.6 45.5 136.4



Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051393.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.165 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

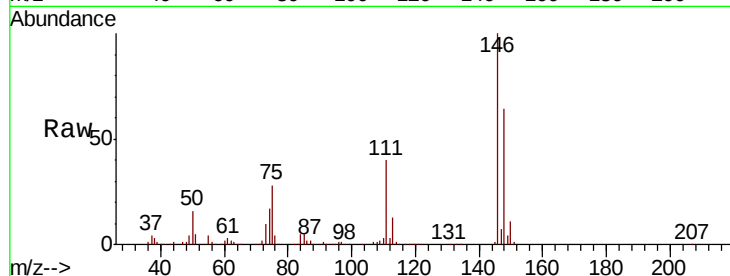
Tot Ion:146 Resp: 239760

Ion Ratio Lower Upper

146 100

111 39.9 20.0 60.0

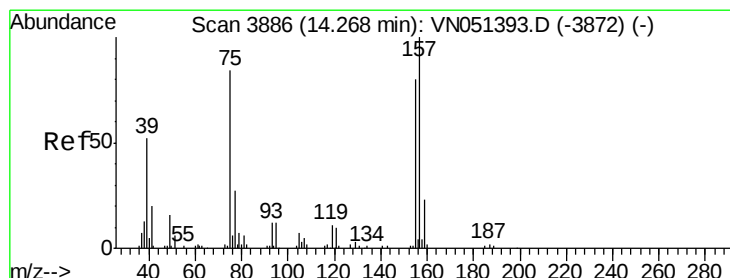
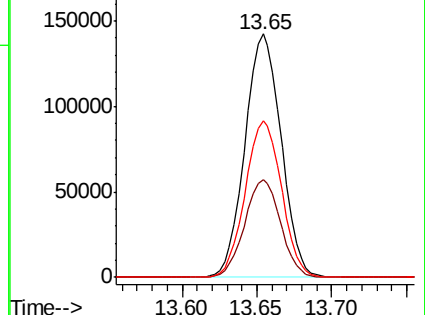
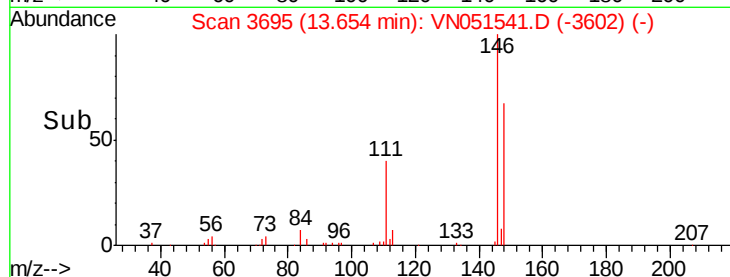
148 64.4 32.1 96.5



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: 22.020 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

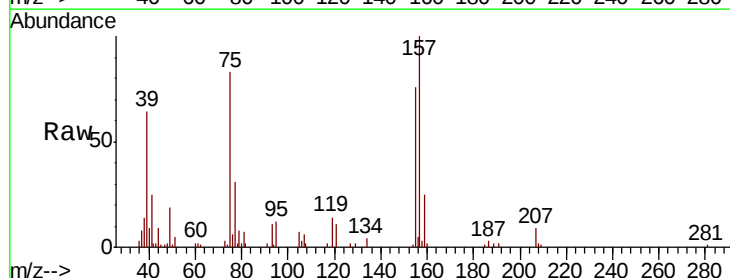
Tgt Ion: 75 Resp: 21568

Ion Ratio Lower Upper

75 100

155 88.5 46.9 140.6

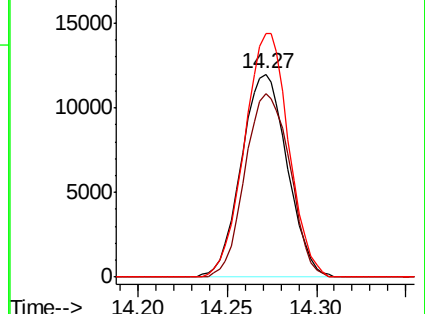
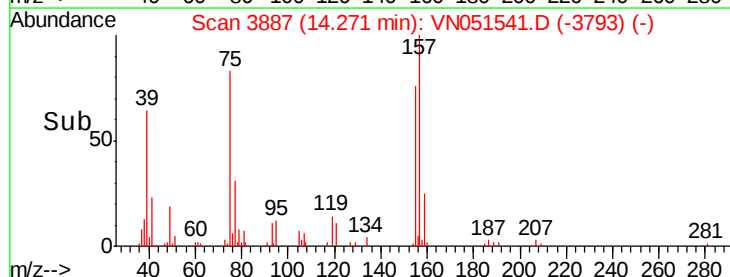
157 115.7 58.4 175.1

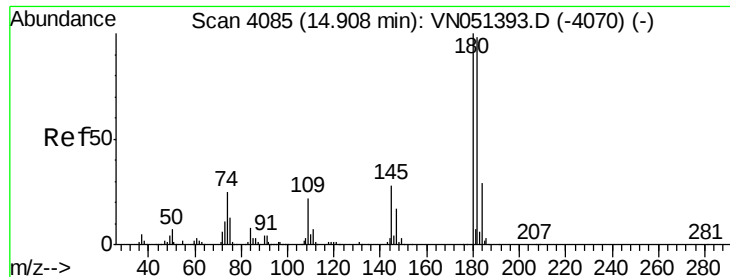


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

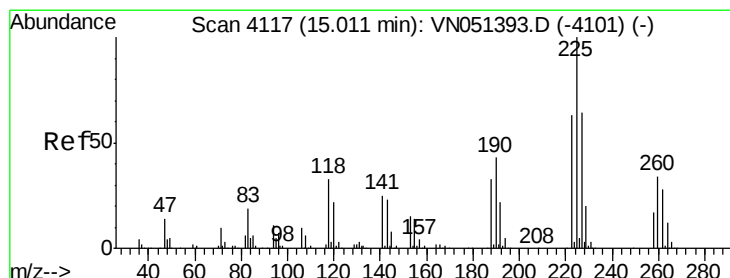
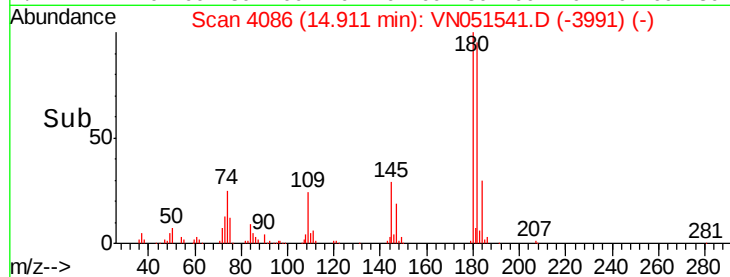
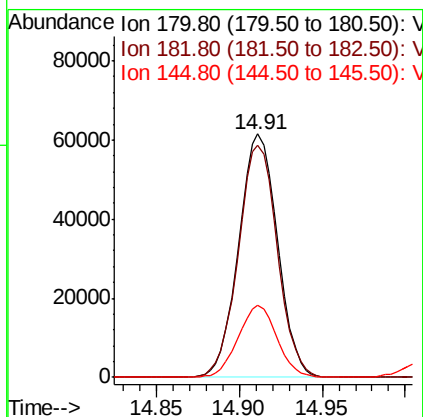
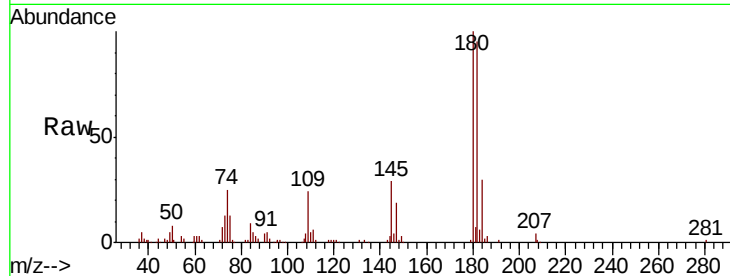




#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

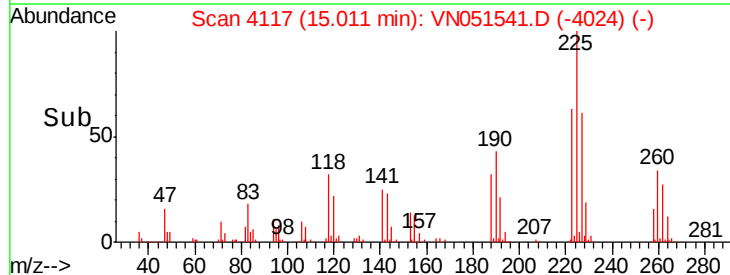
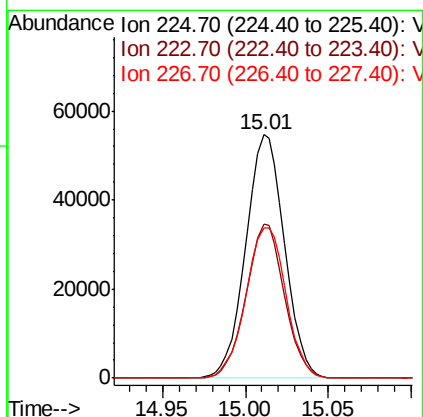
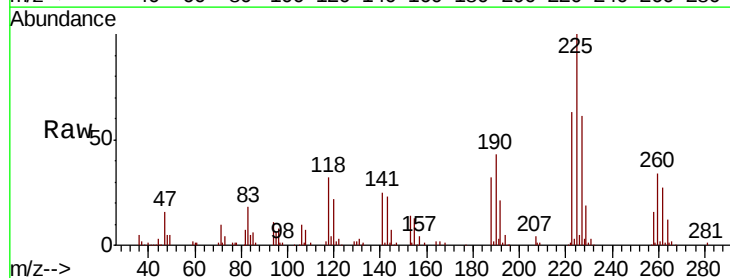
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

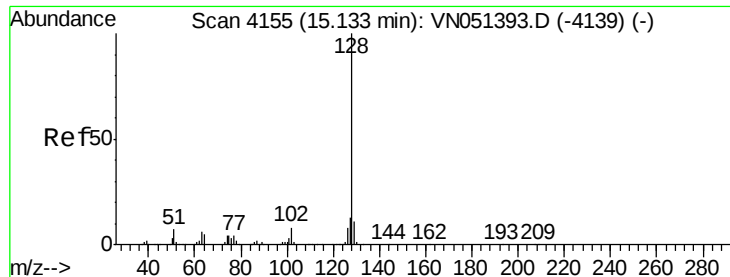
Tot Ion:180 Resp: 100109
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.5 145.6
 145 29.5 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.783 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051541.D
 Acq: 26 Sep 2018 17:54

Tgt Ion:225 Resp: 88904
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.9
 227 63.9 32.5 97.5





#95

Naphthalene

Concen: 20.287 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

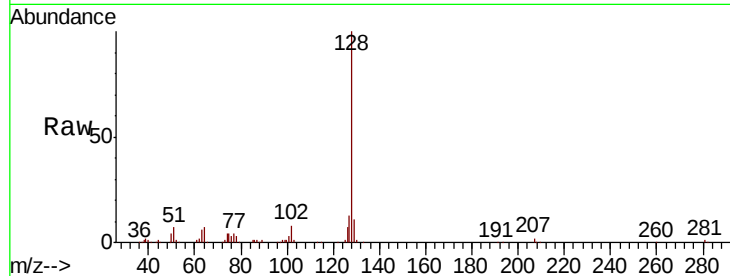
Tot Ion:128 Resp: 189232

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

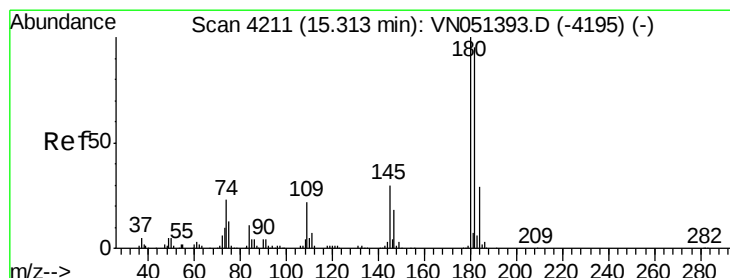
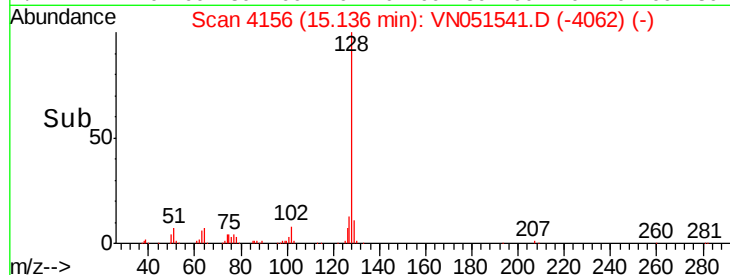
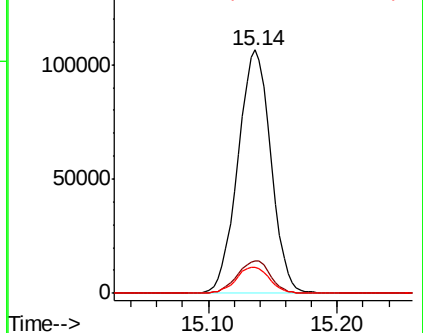
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.054 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051541.D

Acq: 26 Sep 2018 17:54

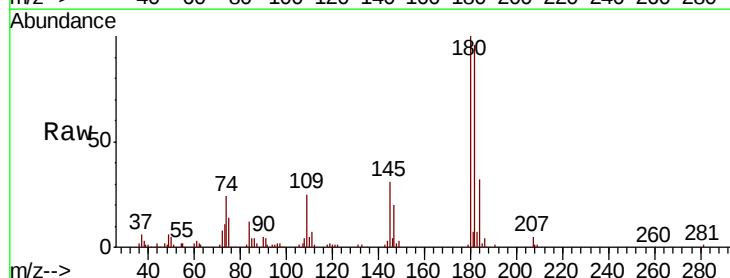
Tgt Ion:180 Resp: 108390

Ion Ratio Lower Upper

180 100

182 96.4 47.2 141.6

145 30.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

