

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
 Data File : VN051069.D
 Acq On : 10 Sep 2018 10:12
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 11 01:57:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1037568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	971026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	525877	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1221274	151.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.00%	
35) Dibromofluoromethane	7.59	113	1193321	153.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.12%	
50) Toluene-d8	10.09	98	4608717	155.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.56%	
62) 4-Bromofluorobenzene	12.40	95	1635483	167.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	962090	137.270	ug/l	99
3) Chloromethane	2.06	50	1349930	135.308	ug/l	100
4) Vinyl Chloride	2.18	62	1353013	140.635	ug/l	99
5) Bromomethane	2.54	94	794070	123.177	ug/l	100
6) Chloroethane	2.69	64	822188	138.466	ug/l	99
7) Trichlorofluoromethane	3.01	101	1808513	141.866	ug/l	100
8) Diethyl Ether	3.41	74	720384	153.649	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1149794	139.916	ug/l	100
10) Methyl Iodide	3.95	142	1271662	181.130	ug/l	99
11) Tert butyl alcohol	4.79	59	495672	802.342	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1123085	144.865	ug/l	99
13) Acrolein	3.60	56	617440	876.146	ug/l	98
14) Allyl chloride	4.32	41	1804417	152.765	ug/l	99
15) Acrylonitrile	4.99	53	2171737	793.346	ug/l	99
16) Acetone	3.82	43	1488464	662.404	ug/l	99
17) Carbon Disulfide	4.05	76	3449300	135.222	ug/l	99
18) Methyl Acetate	4.32	43	957515	147.835	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3191923	171.422	ug/l	100
20) Methylene Chloride	4.55	84	1260414	141.076	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	1200979	142.824	ug/l	99
22) Diisopropyl ether	5.95	45	3556841	151.704	ug/l	94
23) Vinyl Acetate	5.90	43	12865571	810.856	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2158230	145.091	ug/l	100
25) 2-Butanone	6.84	43	2451129	770.805	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1745628	143.373	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1375025	149.056	ug/l	99
28) Bromochloromethane	7.20	49	916159	138.371	ug/l	99
29) Tetrahydrofuran	7.21	42	1602198	806.822	ug/l	99
30) Chloroform	7.37	83	2132793	144.124	ug/l	98
31) Cyclohexane	7.65	56	1990337	132.299	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1845484	146.357	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1729166	151.793	ug/l	99
37) Ethyl Acetate	6.93	43	1082317	164.050	ug/l	100
38) Carbon Tetrachloride	7.77	117	1674920	149.391	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2010053	159.927	ug/l	99
40) Benzene	8.04	78	5112293	148.930	ug/l	99
41) Methacrylonitrile	7.17	41	586450	172.282	ug/l	91
42) 1,2-Dichloroethane	8.12	62	1481846	148.105	ug/l	100
43) Isopropyl Acetate	8.17	43	1902958	163.468	ug/l	100
44) Trichloroethene	8.83	130	1394165	148.488	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1328811	149.813	ug/l	100
46) Dibromomethane	9.21	93	795312	146.958	ug/l	99
47) Bromodichloromethane	9.40	83	1679138	152.595	ug/l	99
48) Methyl methacrylate	9.20	41	959739	169.174	ug/l	99
49) 1,4-Dioxane	9.20	88	301211	3385.900	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	5231145	812.589	ug/l	99
52) Toluene	10.16	92	3224980	154.075	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1842350	167.283	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	2079707	161.053	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1156696	152.126	ug/l	99
56) Ethyl methacrylate	10.43	69	1617719	177.766	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1939224	153.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3446284	926.591	ug/l	100
59) 2-Hexanone	10.75	43	3611301	827.167	ug/l	99
60) Dibromochloromethane	10.90	129	1367371	159.550	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1194714	160.737	ug/l	100
64) Tetrachloroethene	10.63	164	1239019	139.835	ug/l	99
65) Chlorobenzene	11.43	112	3623392	148.034	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1313955	149.101	ug/l	100
67) Ethyl Benzene	11.51	91	6220168	156.920	ug/l	100
68) m/p-Xylenes	11.62	106	4828319	317.025	ug/l	99
69) o-Xylene	11.95	106	2345830	159.058	ug/l	100
70) Styrene	11.96	104	3858768	168.671	ug/l	100
71) Bromoform	12.13	173	1017821	164.044	ug/l #	99
73) Isopropylbenzene	12.25	105	6133416	139.075	ug/l	100
74) N-amyl acetate	12.07	43	1721298	155.091	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1497471	127.528	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1860250	212.715	ug/l #	100
77) Bromobenzene	12.53	156	1617414	136.544	ug/l	100
78) n-propylbenzene	12.59	91	7015409	144.722	ug/l	100
79) 2-Chlorotoluene	12.67	91	4127758	136.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5090128	142.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	452353	163.364	ug/l	97
82) 4-Chlorotoluene	12.77	91	4228250	140.587	ug/l	99
83) tert-Butylbenzene	12.99	119	4430360	140.750	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5191716	148.088	ug/l	100
85) sec-Butylbenzene	13.17	105	5825162	144.296	ug/l	100
86) p-Isopropyltoluene	13.29	119	5261036	153.701	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2825892	140.614	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2781430	140.426	ug/l	100
89) n-Butylbenzene	13.61	91	4310018	161.788	ug/l	100
90) Hexachloroethane	13.87	117	932276	133.261	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2670058	136.345	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	234609	136.903	ug/l	99

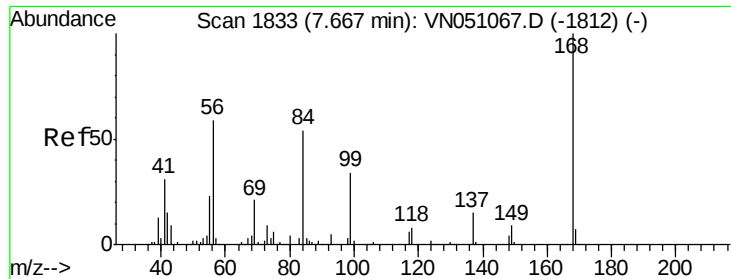
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
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Quant Time: Sep 11 01:57:01 2018
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1541955	182.901	ug/l	99
94) Hexachlorobutadiene	15.01	225	835462	121.078	ug/l	100
95) Naphthalene	15.13	128	3339231	186.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1442459	165.088	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

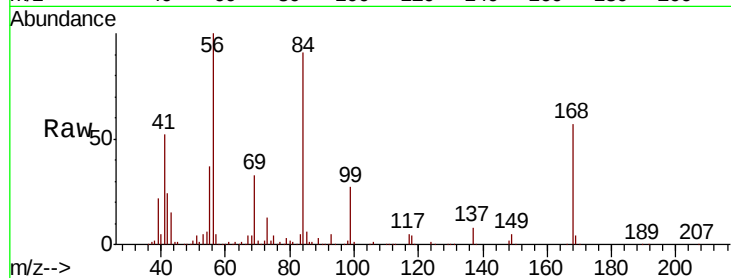
VSTDIC150

Tgt Ion:168 Resp: 726790

Ion Ratio Lower Upper

168 100

99 47.1 38.3 57.5

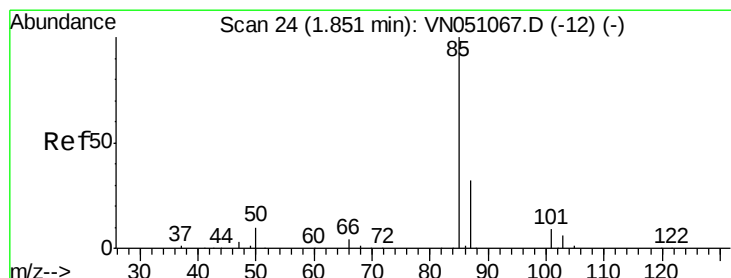
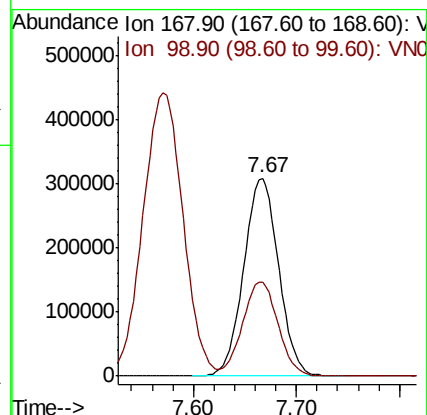
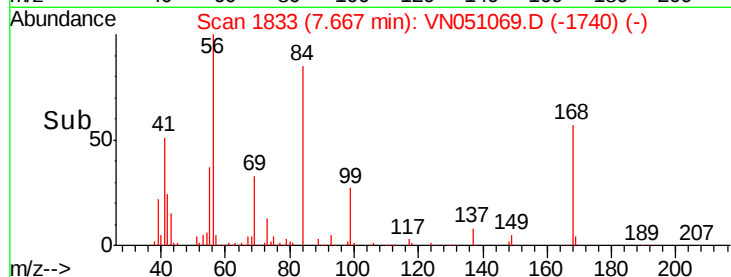


Abundance Ion 167.90 (167.60 to 168.60): VN051067.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051067.D (-1812) (-)

7.67

Time-->



#2

Dichlorodifluoromethane

Concen: 137.270 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051069.D

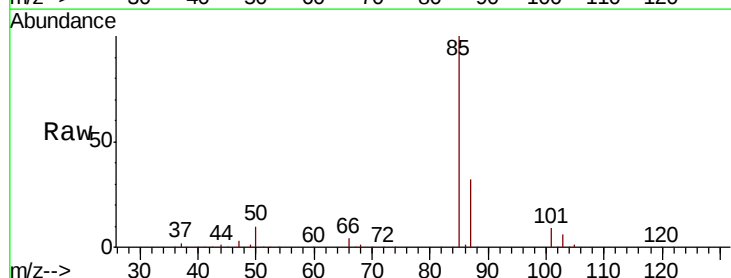
Acq: 10 Sep 2018 10:12

Tgt Ion: 85 Resp: 962090

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6

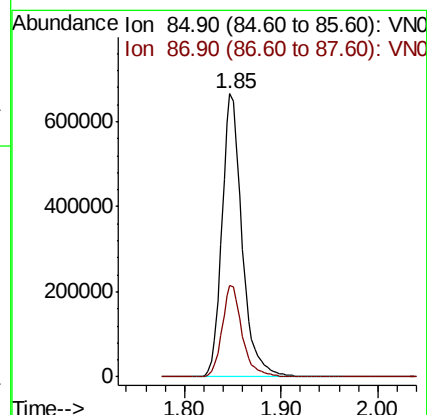
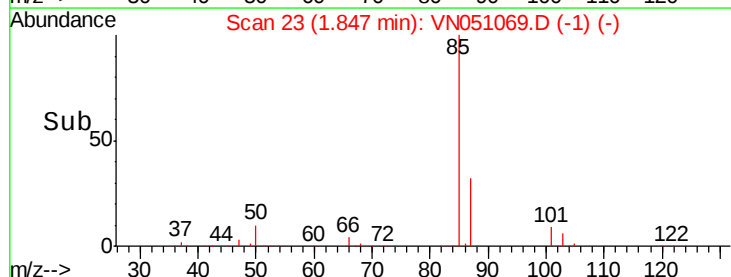


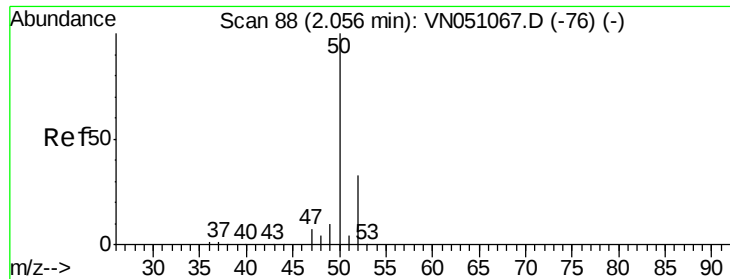
Abundance Ion 84.90 (84.60 to 85.60): VN051069.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN051069.D (-1) (-)

1.85

Time-->





#3

Chloromethane

Concen: 135.308 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

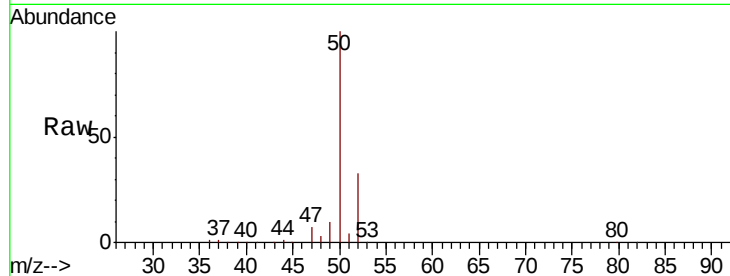
VSTDIC150

Tgt Ion: 50 Resp: 1349930

Ion Ratio Lower Upper

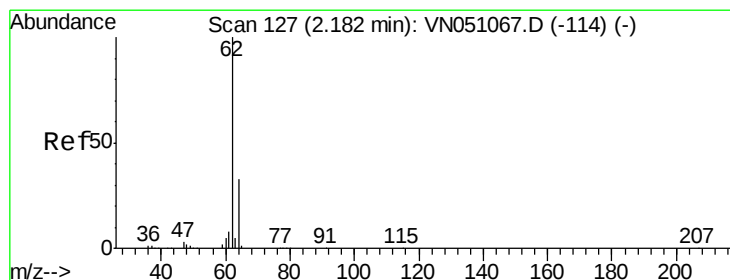
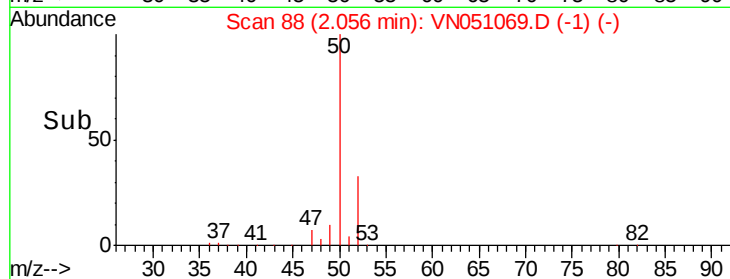
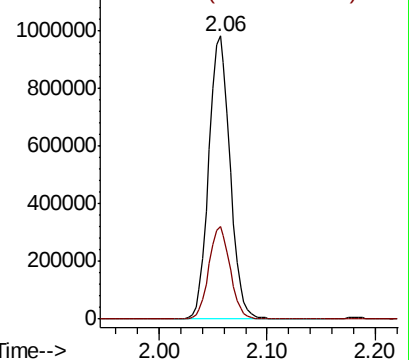
50 100

52 32.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 140.635 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051069.D

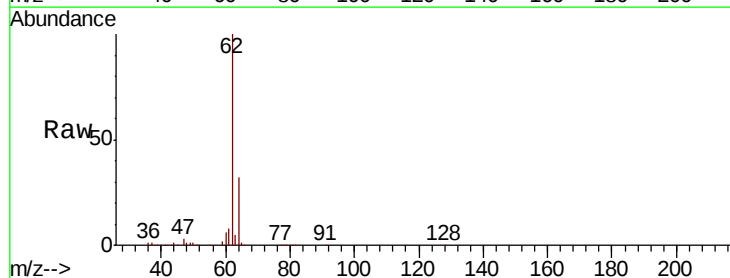
Acq: 10 Sep 2018 10:12

Tgt Ion: 62 Resp: 1353013

Ion Ratio Lower Upper

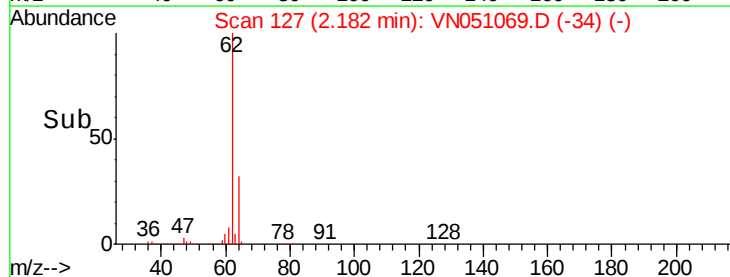
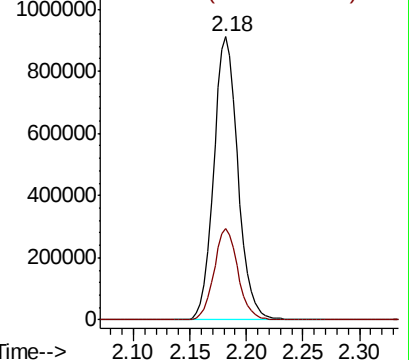
62 100

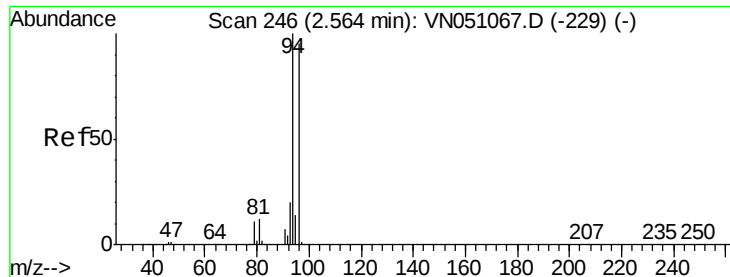
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 123.177 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.03 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

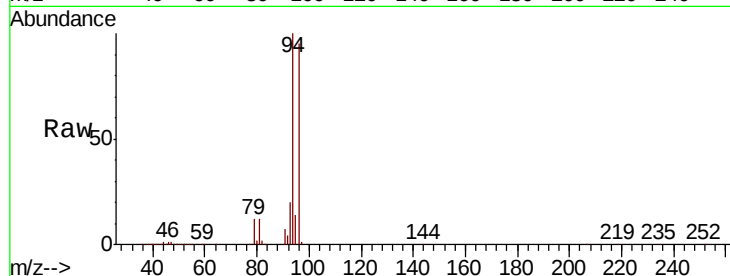
VSTDIC150

Tgt Ion: 94 Resp: 794070

Ion Ratio Lower Upper

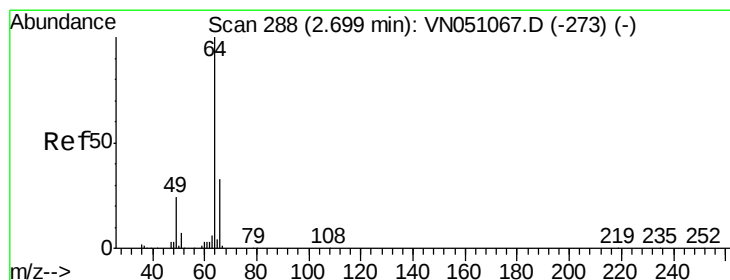
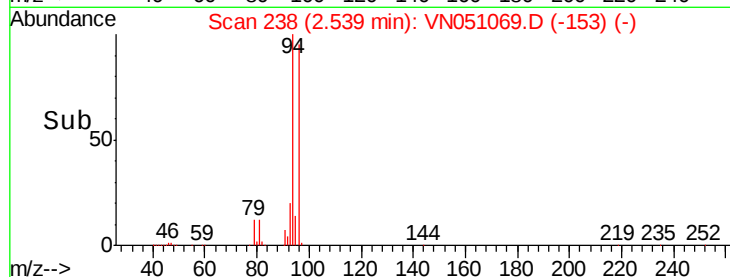
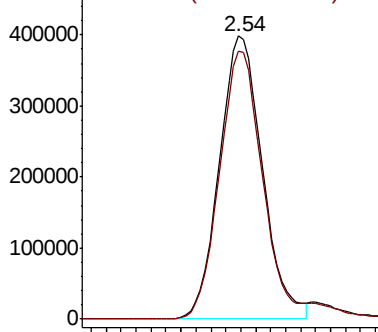
94 100

96 94.6 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 138.466 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051069.D

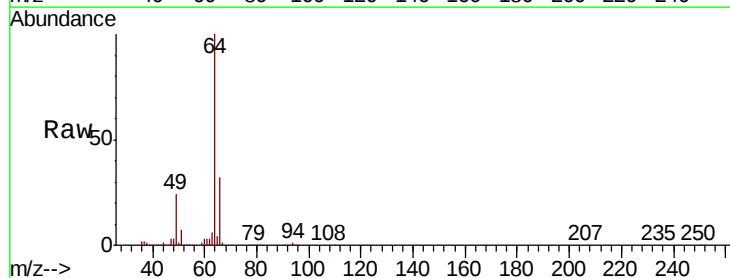
Acq: 10 Sep 2018 10:12

Tgt Ion: 64 Resp: 822188

Ion Ratio Lower Upper

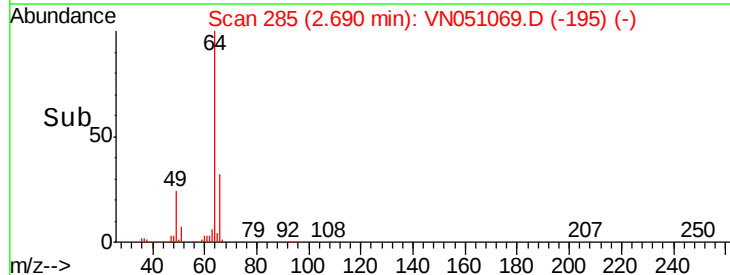
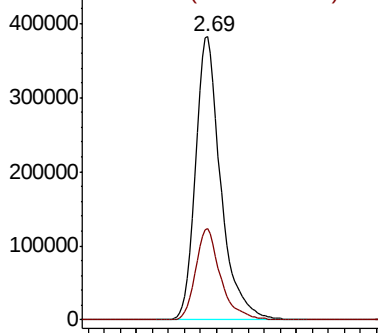
64 100

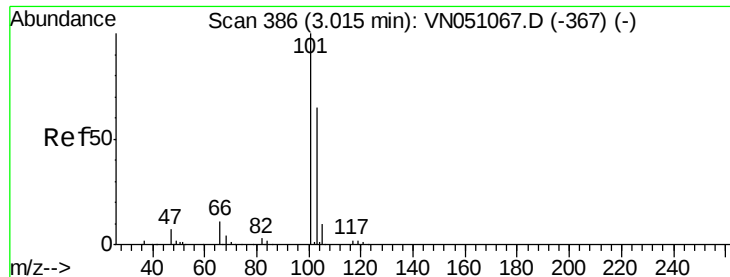
66 32.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



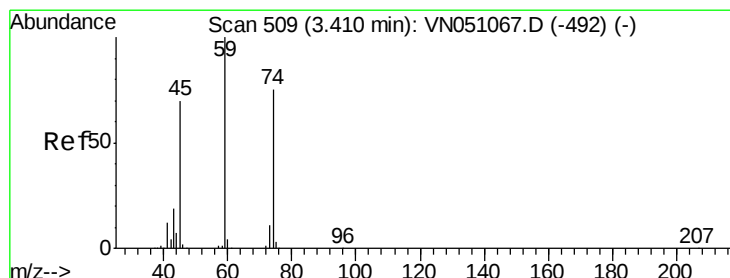
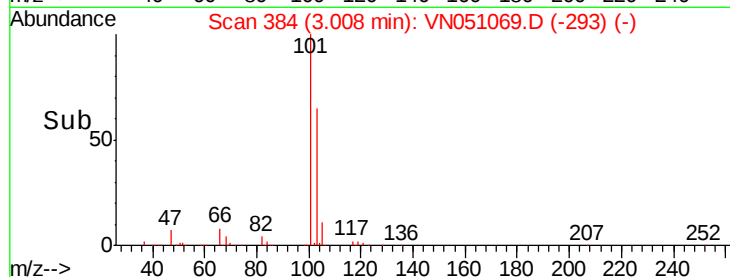
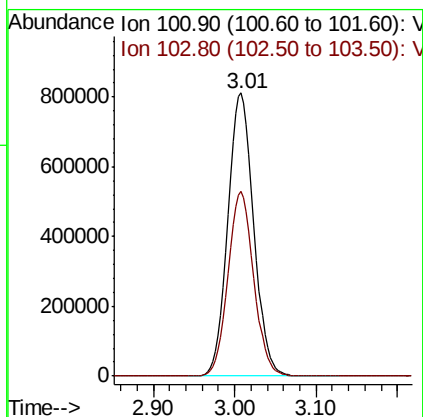
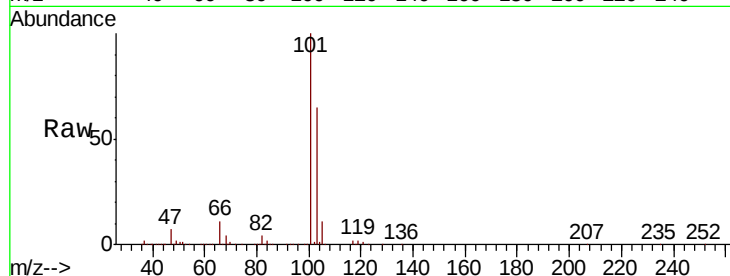


#7

Trichlorofluoromethane
 Concen: 141.866 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

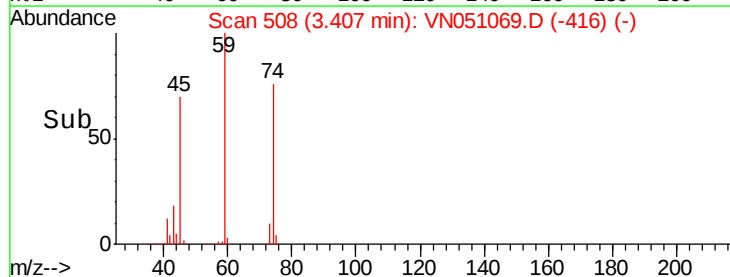
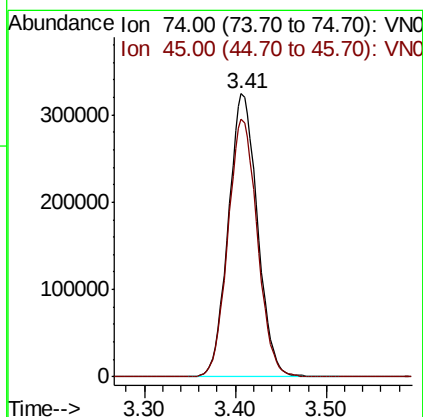
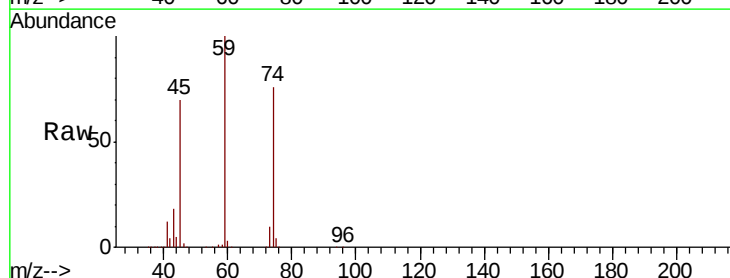
Tgt Ion: 101 Resp: 1808513
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.4 78.6

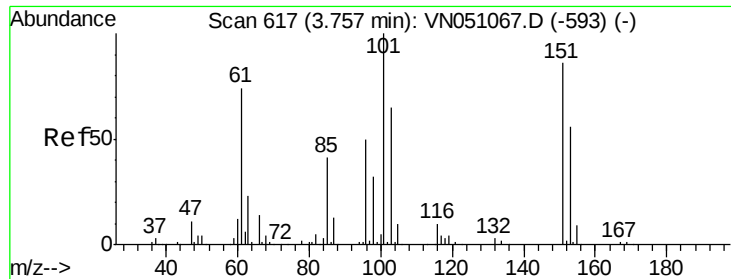


#8

Diethyl Ether
 Concen: 153.649 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 74 Resp: 720384
 Ion Ratio Lower Upper
 74 100
 45 92.1 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.916 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

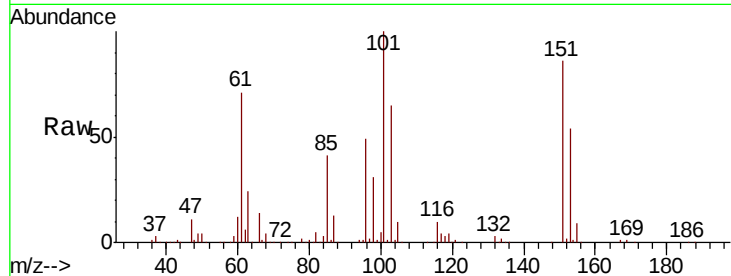
Tgt Ion:101 Resp: 1149794

Ion Ratio Lower Upper

101 100

85 41.1 33.3 49.9

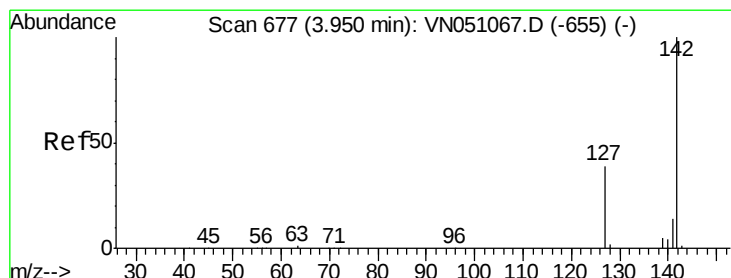
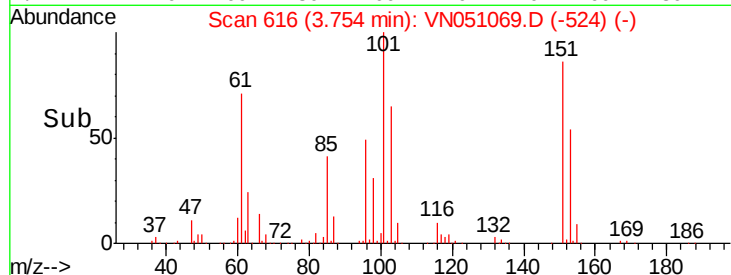
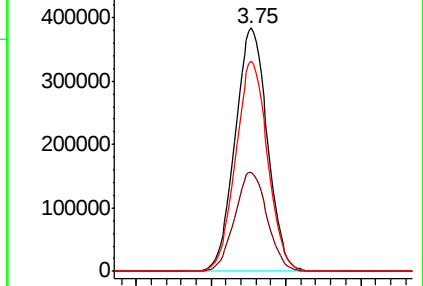
151 85.5 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 181.130 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

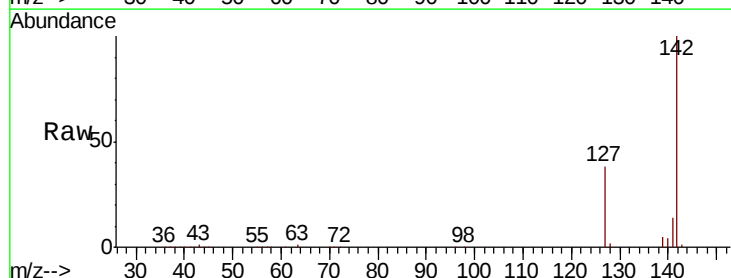
Tgt Ion:142 Resp: 1271662

Ion Ratio Lower Upper

142 100

127 37.7 31.0 46.4

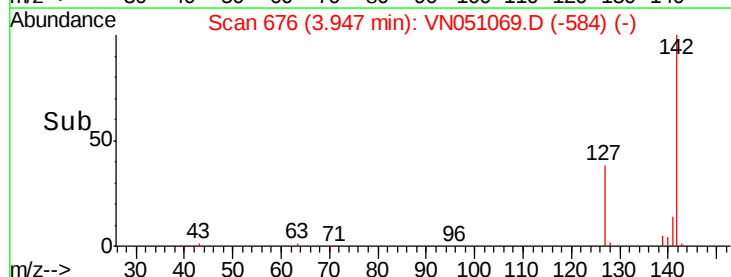
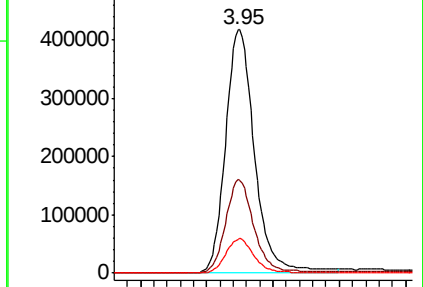
141 13.8 11.3 16.9

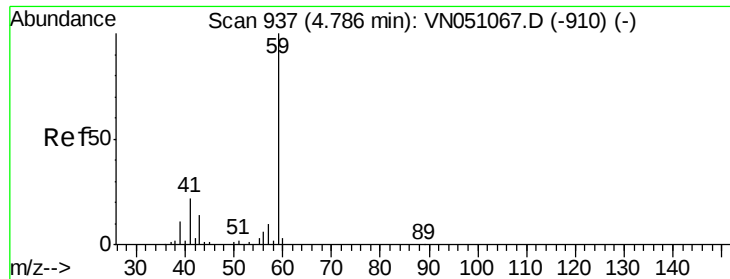


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

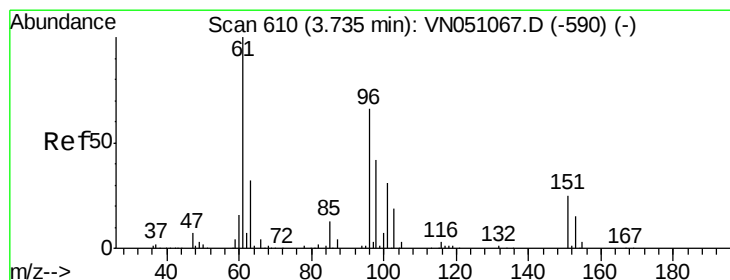
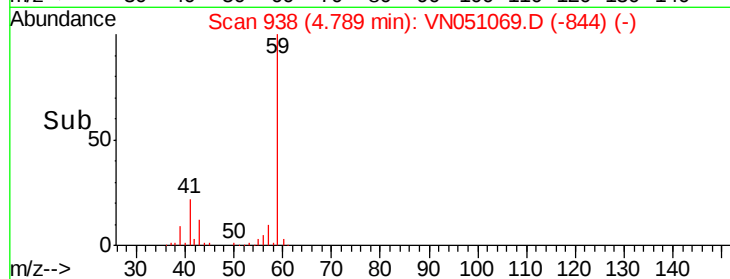
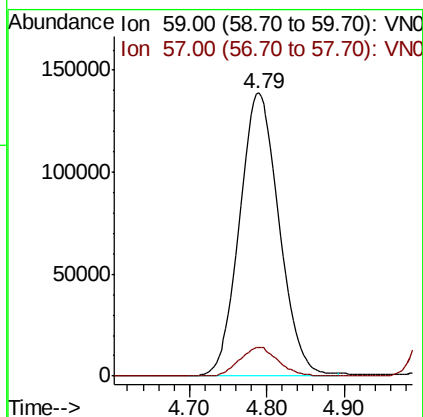
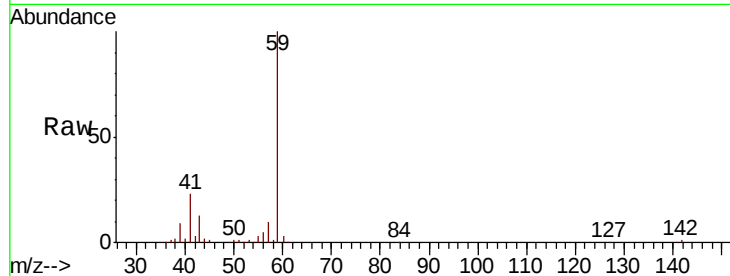




#11
Tert butyl alcohol
Concen: 802.342 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

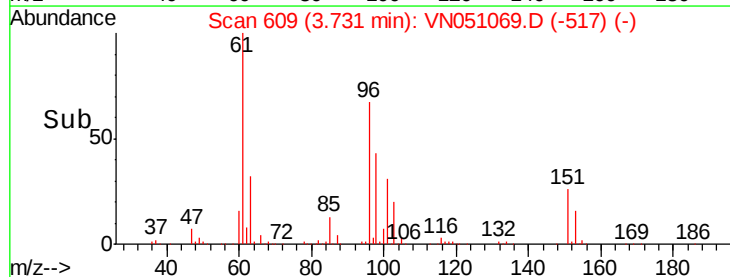
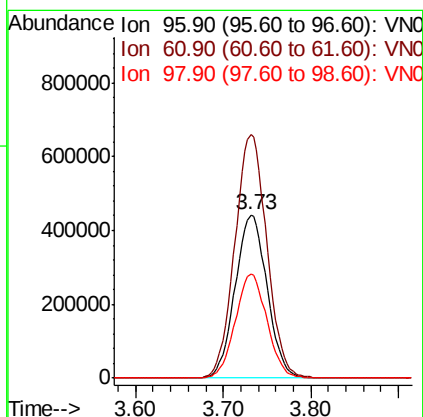
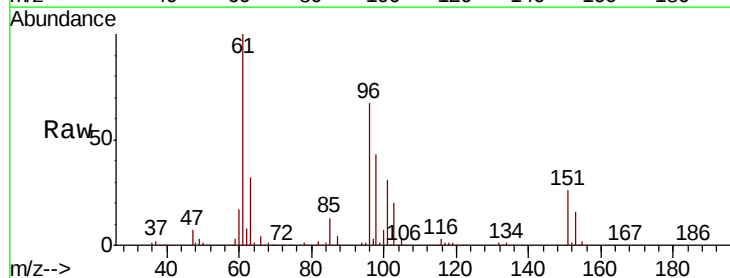
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

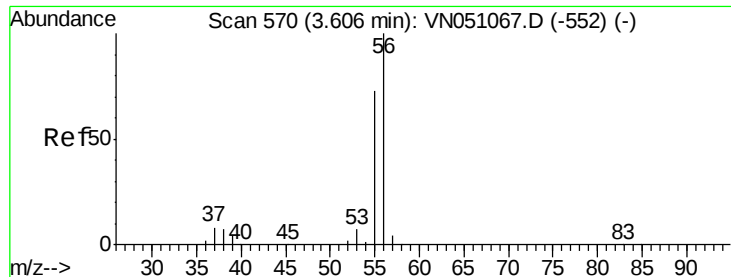
Tgt Ion: 59 Resp: 495672
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 144.865 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 96 Resp: 1123085
Ion Ratio Lower Upper
96 100
61 149.3 120.3 180.5
98 63.7 50.8 76.2





#13

Acrolein

Concen: 876.146 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

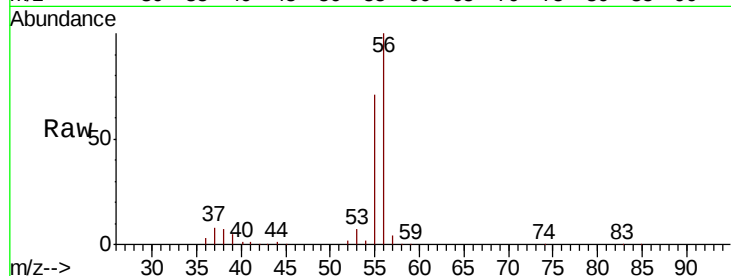
VSTDIC150

Tgt Ion: 56 Resp: 617440

Ion Ratio Lower Upper

56 100

55 70.8 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN051069.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN051069.D (-552) (-)

3.60

250000

200000

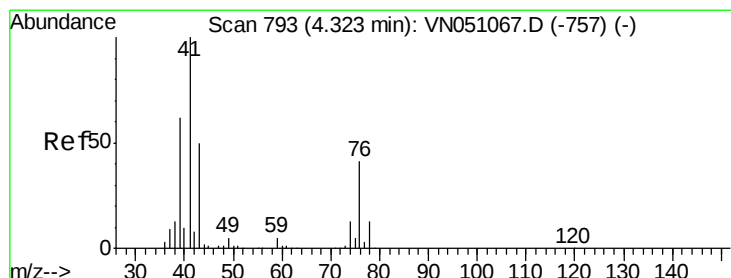
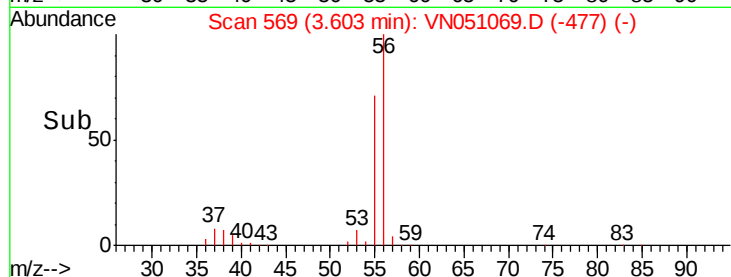
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 152.765 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

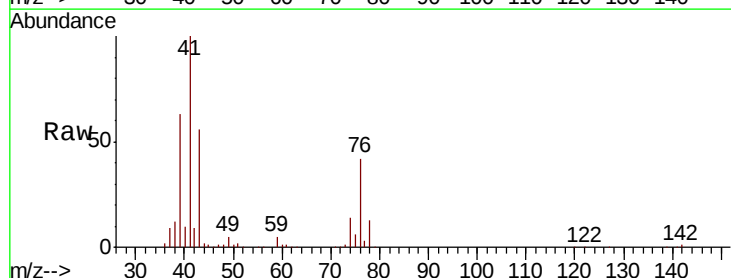
Tgt Ion: 41 Resp: 1804417

Ion Ratio Lower Upper

41 100

39 60.3 48.8 73.2

76 38.7 30.6 45.8



Abundance Ion 41.00 (40.70 to 41.70): VN051069.D (-700) (-)

Ion 39.00 (38.70 to 39.70): VN051069.D (-700) (-)

Ion 75.90 (75.60 to 76.60): VN051069.D (-700) (-)

4.32

800000

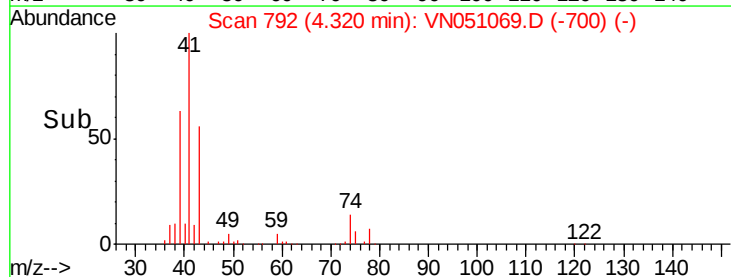
600000

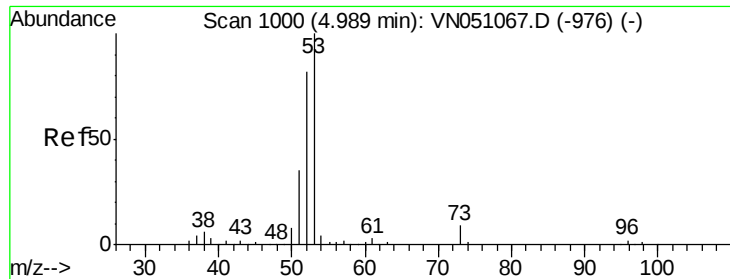
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 793.346 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

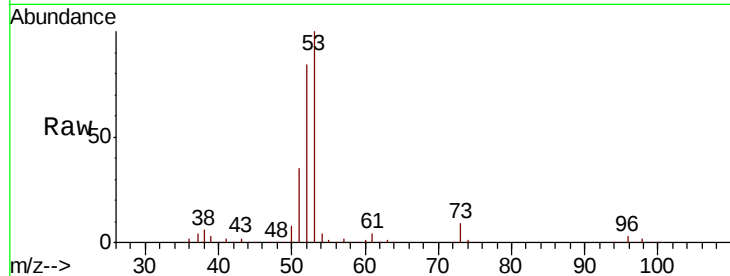
Tgt Ion: 53 Resp: 2171737

Ion Ratio Lower Upper

53 100

52 82.7 65.3 97.9

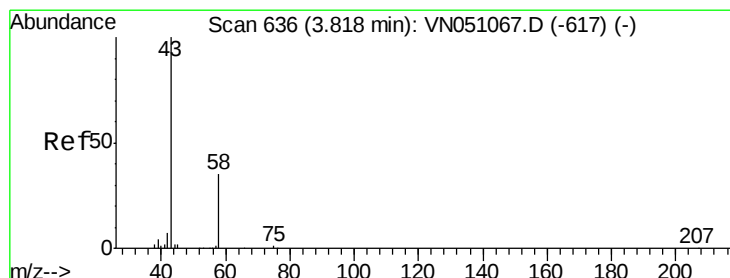
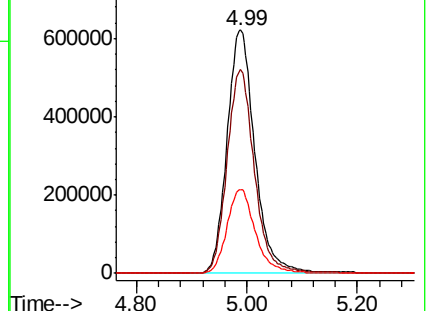
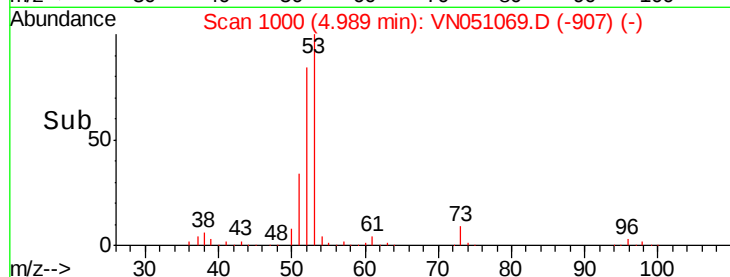
51 35.2 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN051069.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051069.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051069.D (-976) (-)



#16

Acetone

Concen: 662.404 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051069.D

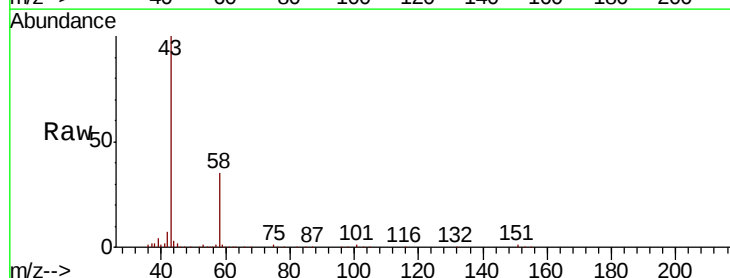
Acq: 10 Sep 2018 10:12

Tgt Ion: 43 Resp: 1488464

Ion Ratio Lower Upper

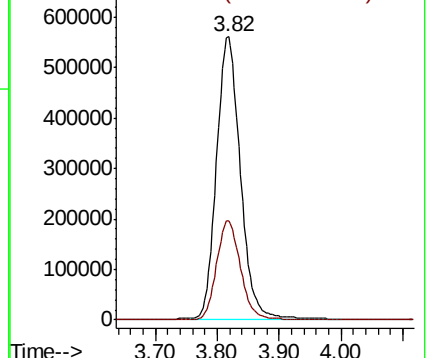
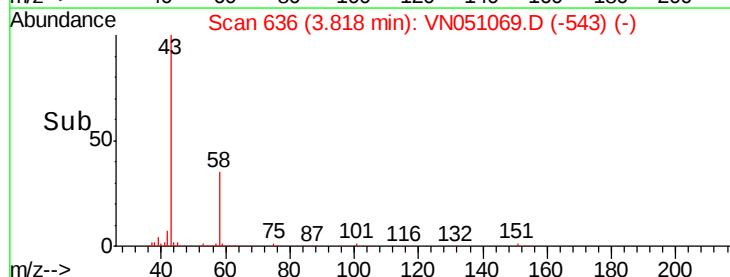
43 100

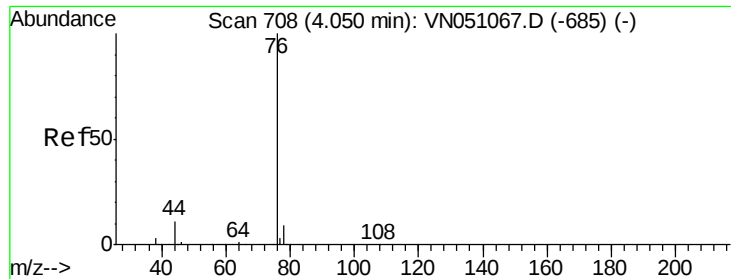
58 35.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051069.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN051069.D (-543) (-)

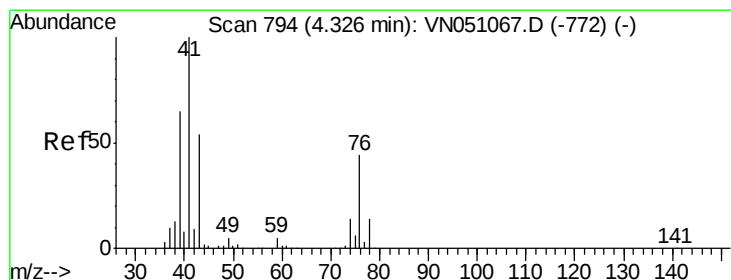
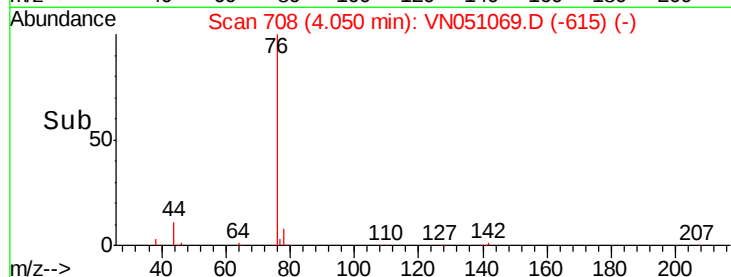
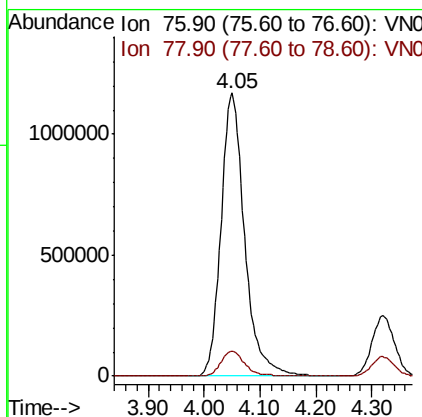
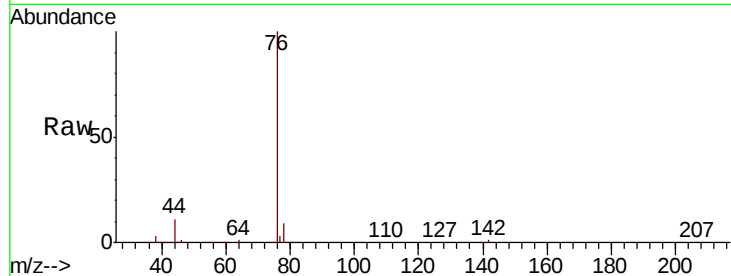




#17
Carbon Disulfide
Concen: 135.222 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

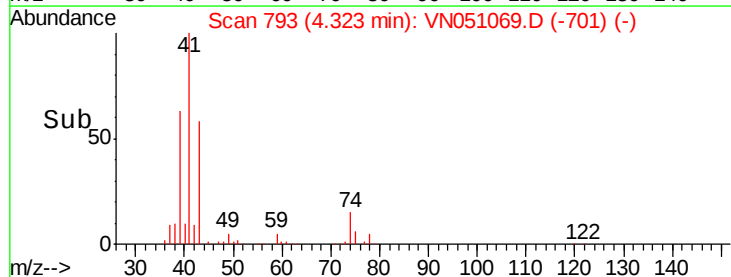
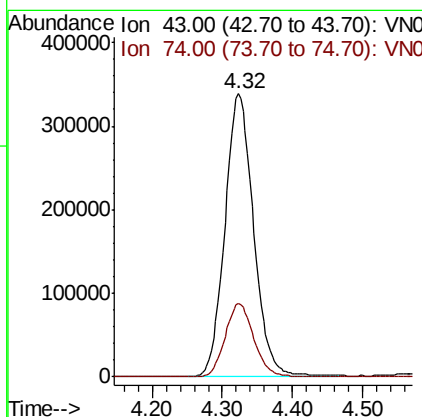
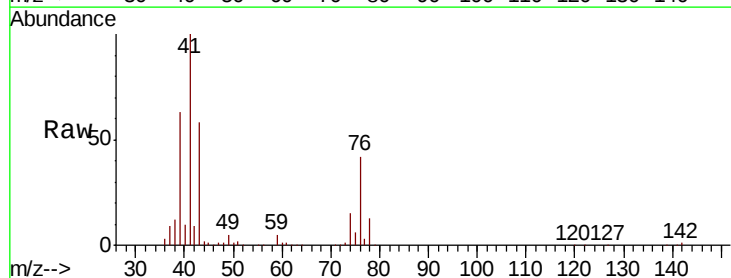
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

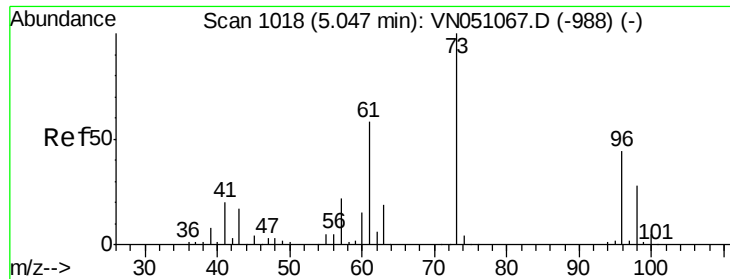
Tgt Ion: 76 Resp: 3449300
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 147.835 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 43 Resp: 957515
Ion Ratio Lower Upper
43 100
74 26.0 20.7 31.1

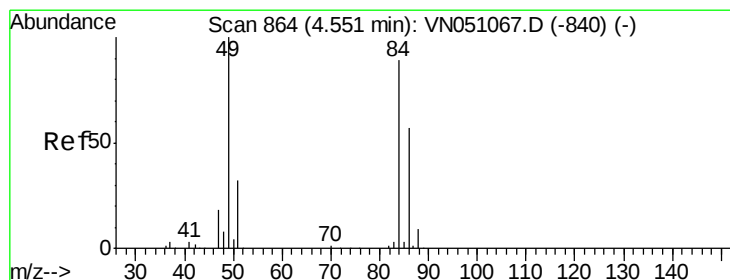
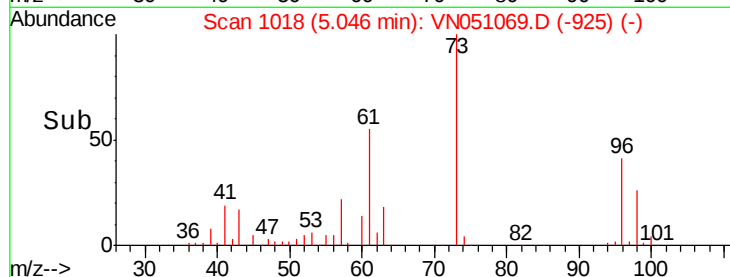
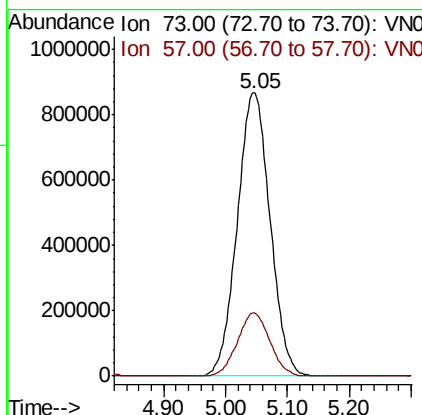
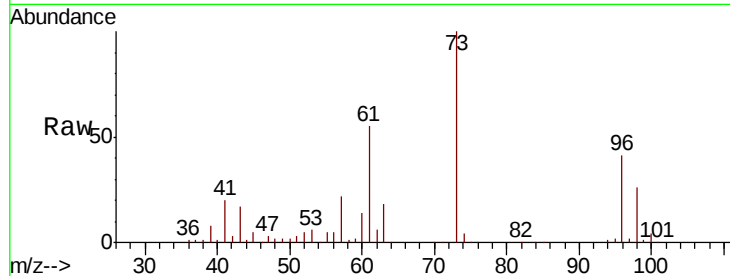




#19
Methyl tert-butyl Ether
Concen: 171.422 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

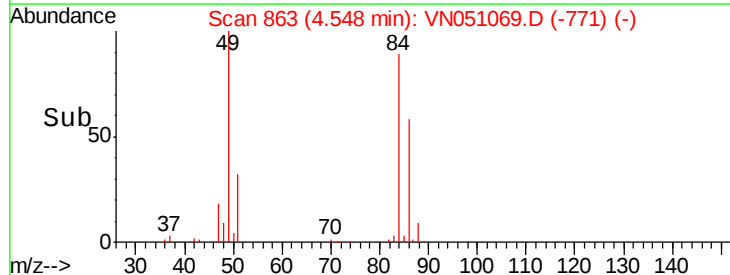
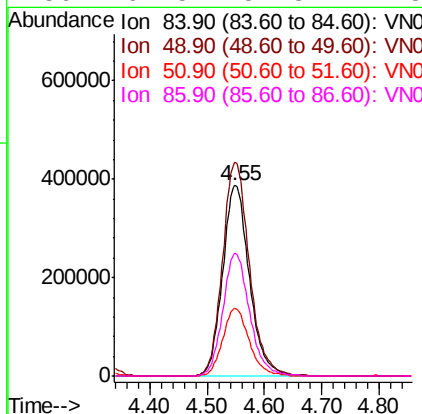
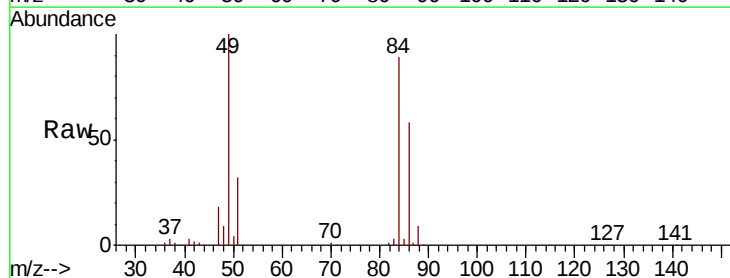
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

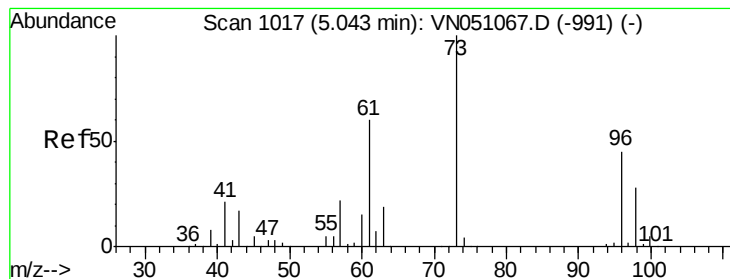
Tgt Ion: 73 Resp: 3191923
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 141.076 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 84 Resp: 1260414
Ion Ratio Lower Upper
84 100
49 112.0 90.2 135.2
51 35.6 28.4 42.6
86 64.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 142.824 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

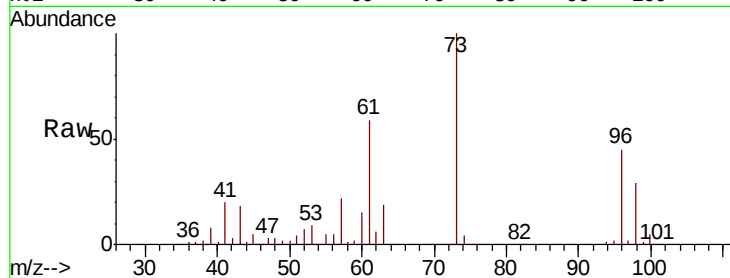
Tgt Ion: 96 Resp: 1200979

Ion Ratio Lower Upper

96 100

61 132.0 106.5 159.7

98 64.1 50.4 75.6

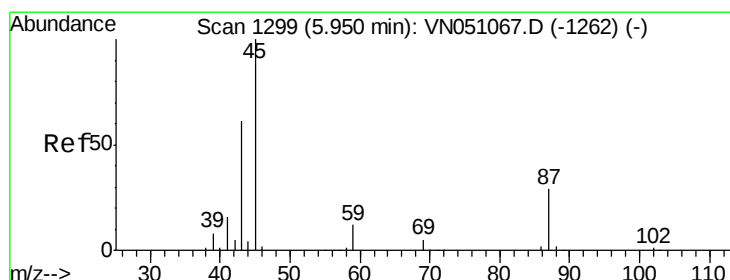
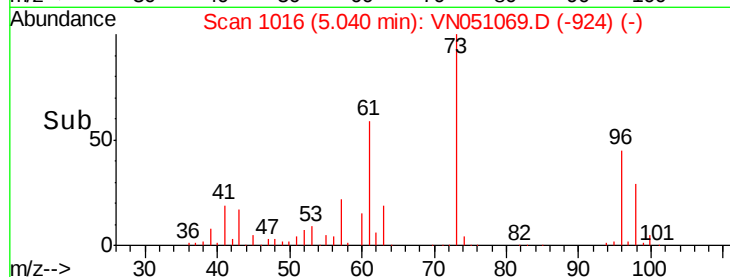
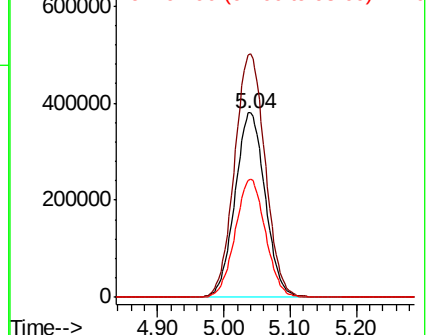


Abundance

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: 151.704 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tgt Ion: 45 Resp: 3556841

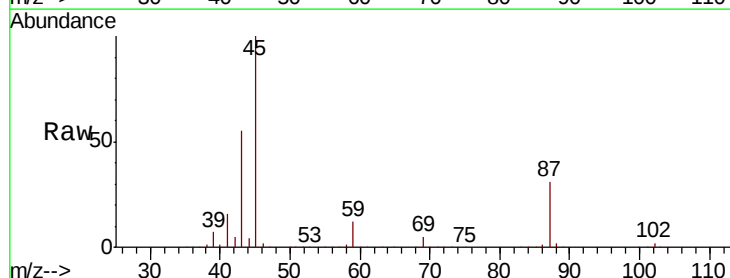
Ion Ratio Lower Upper

45 100

43 54.2 48.8 73.2

87 30.5 23.8 35.8

59 12.2 9.6 14.4



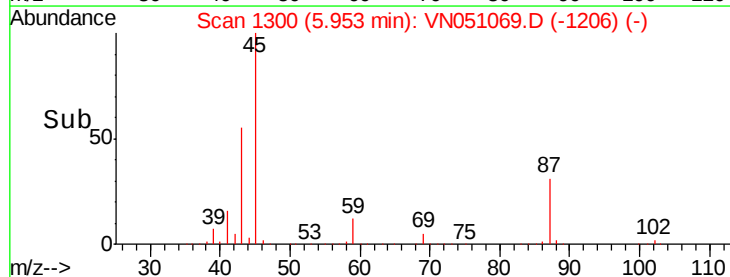
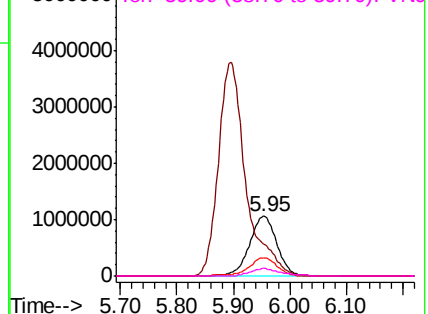
Abundance

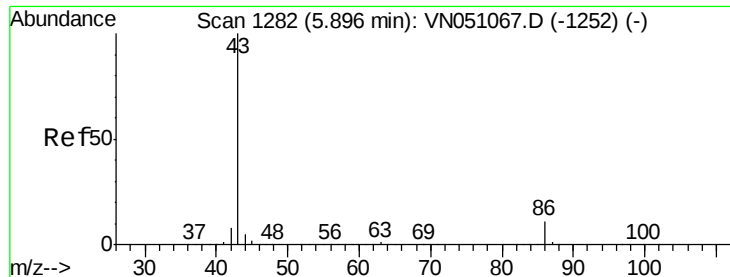
Ion 45.00 (44.70 to 45.70): VN0

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: 810.856 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

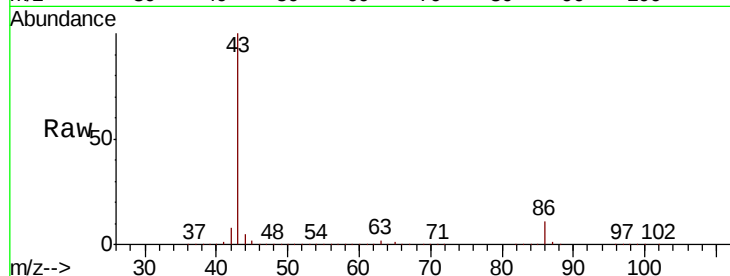
VSTDIC150

Tgt Ion: 43 Resp:12865571

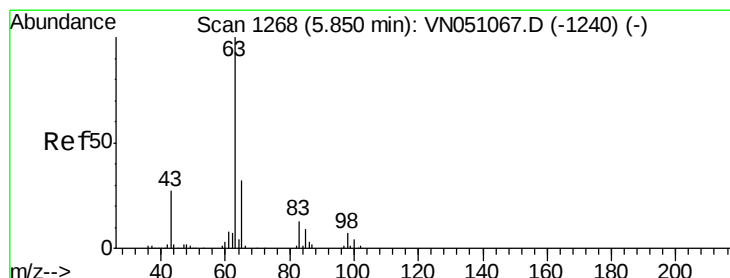
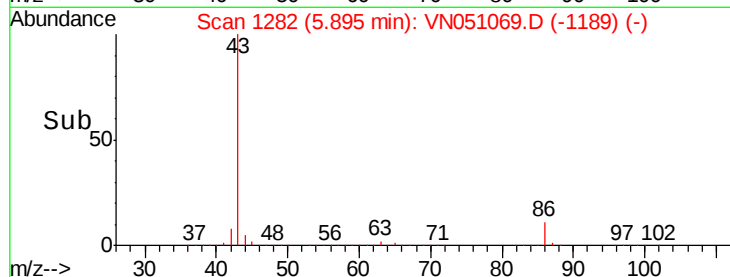
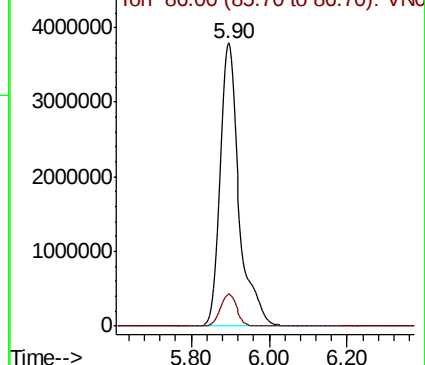
Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 145.091 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

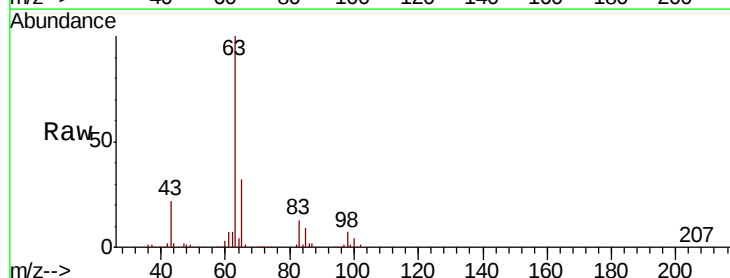
Tgt Ion: 63 Resp: 2158230

Ion Ratio Lower Upper

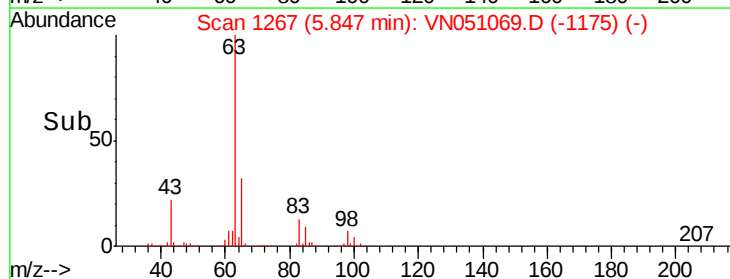
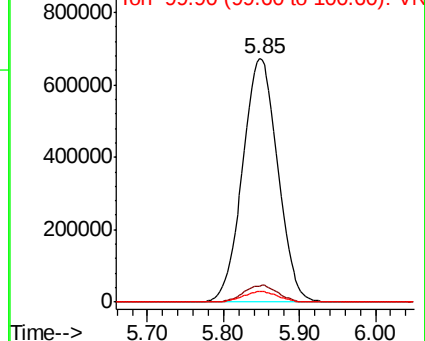
63 100

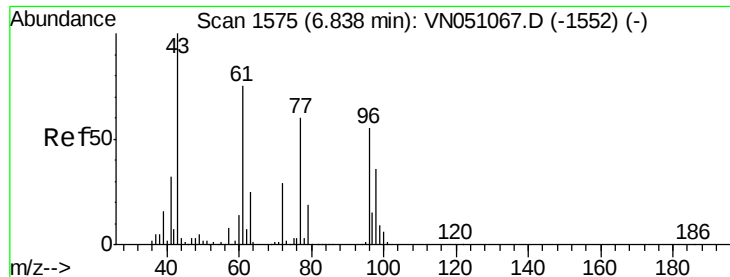
98 6.7 3.4 10.1

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-1240) (-)





#25

2-Butanone

Concen: 770.805 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

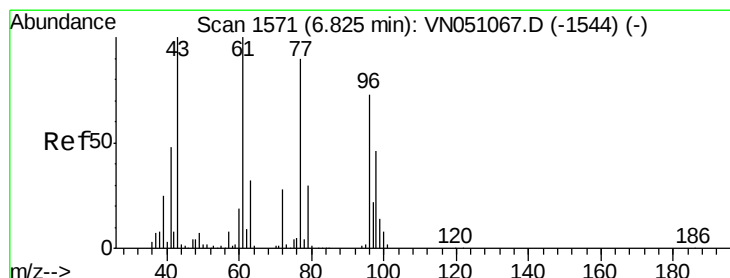
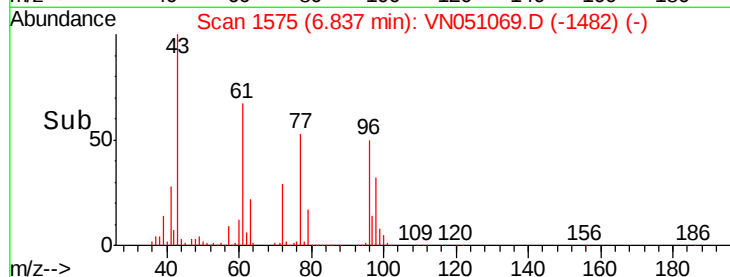
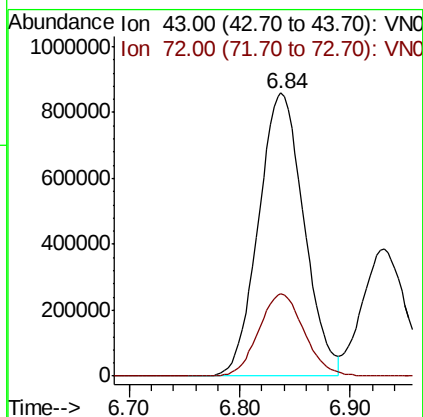
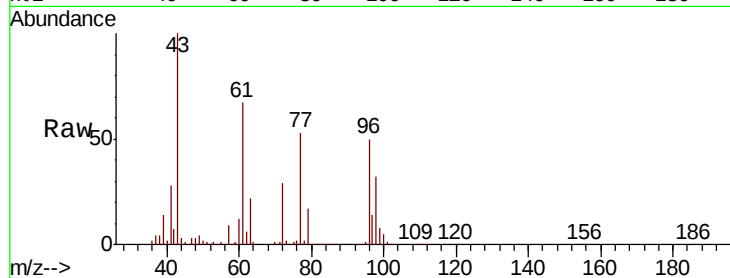
VSTDIC150

Tgt Ion: 43 Resp: 2451129

Ion Ratio Lower Upper

43 100

72 29.1 23.0 34.6



#26

2,2-Dichloropropane

Concen: 143.373 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051069.D

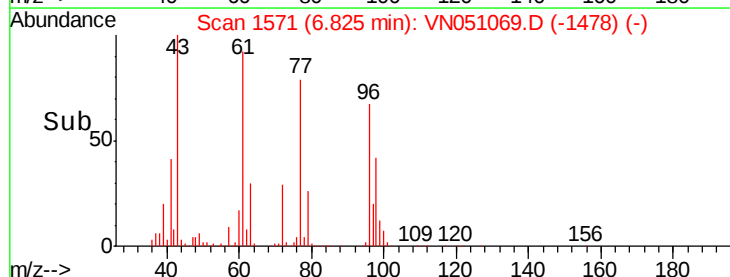
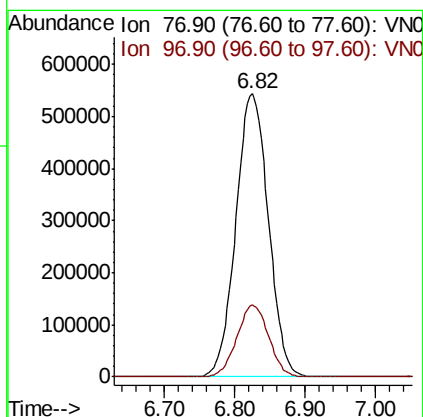
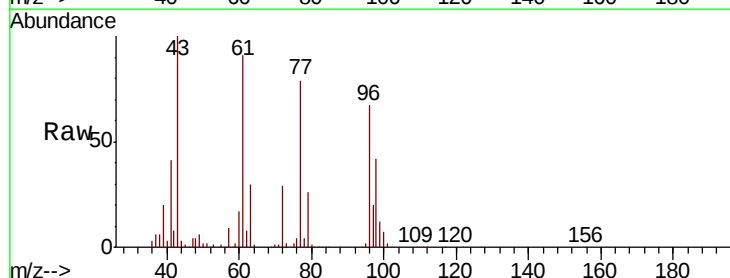
Acq: 10 Sep 2018 10:12

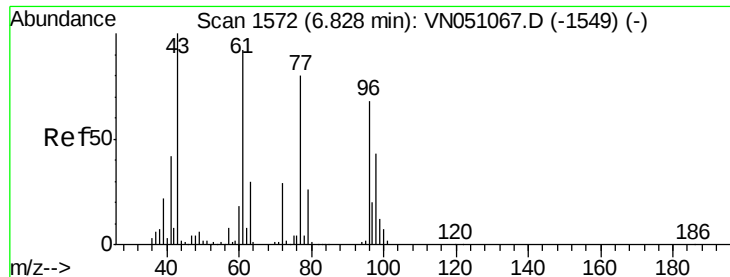
Tgt Ion: 77 Resp: 1745628

Ion Ratio Lower Upper

77 100

97 24.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 149.056 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

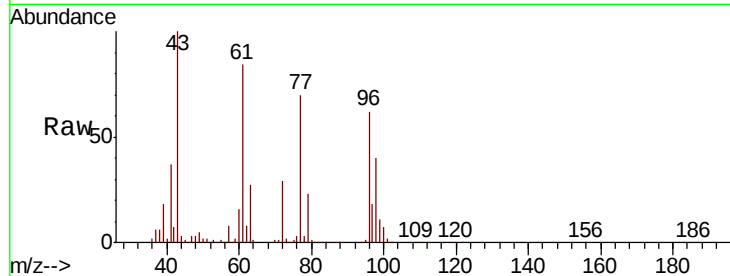
Tgt Ion: 96 Resp: 1375025

Ion Ratio Lower Upper

96 100

61 137.3 0.0 278.2

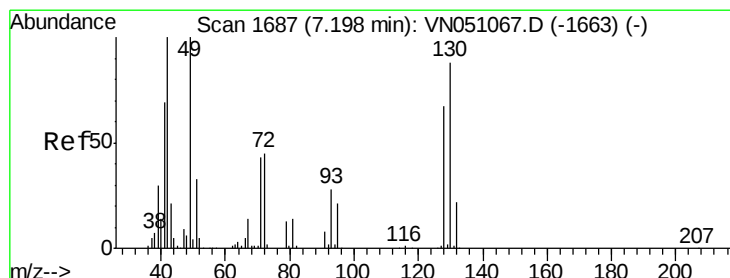
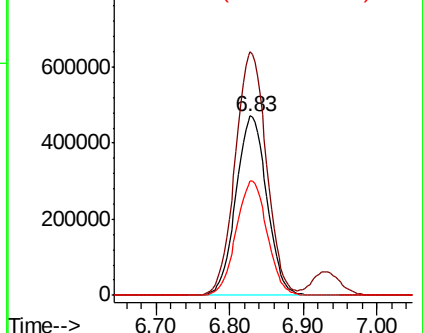
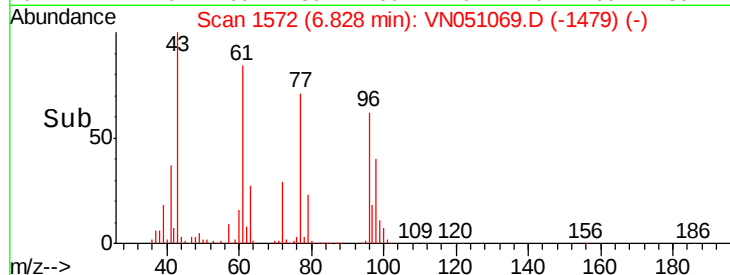
98 64.2 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051069.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN051069.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN051069.D (-1479) (-)



#28

Bromochloromethane

Concen: 138.371 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

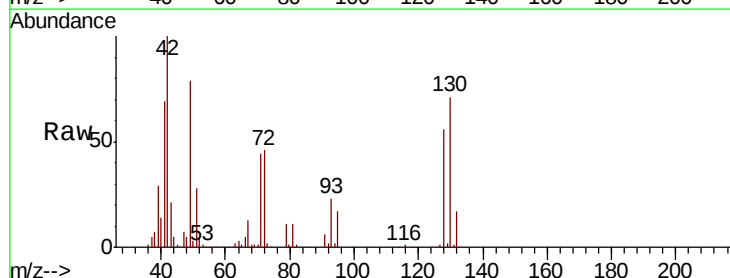
Tgt Ion: 49 Resp: 916159

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

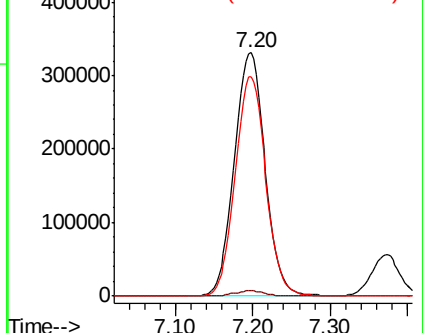
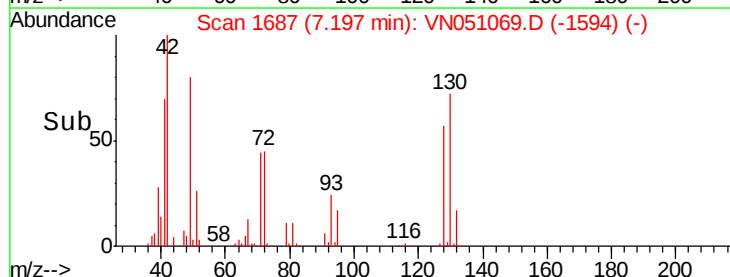
130 89.4 70.7 106.1

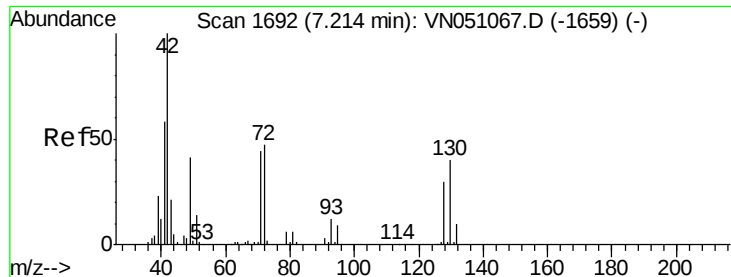


Abundance Ion 48.90 (48.60 to 49.60): VN051069.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051069.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051069.D (-1594) (-)

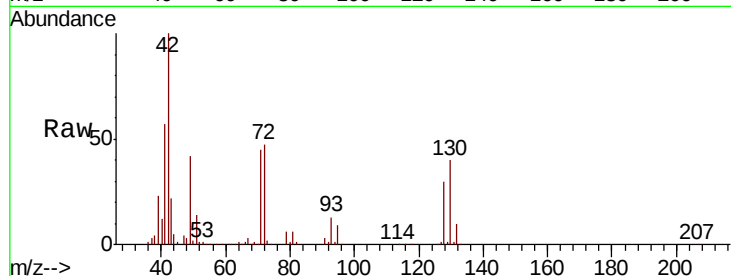




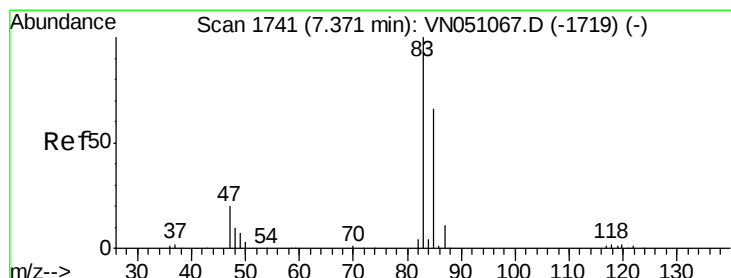
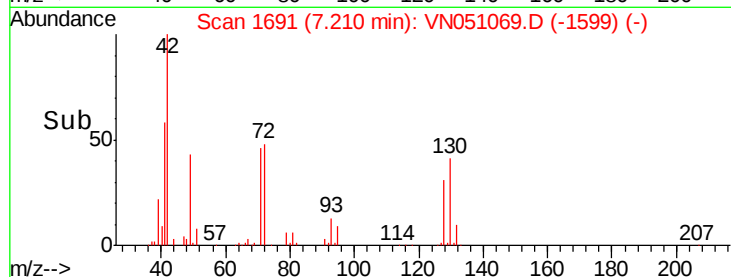
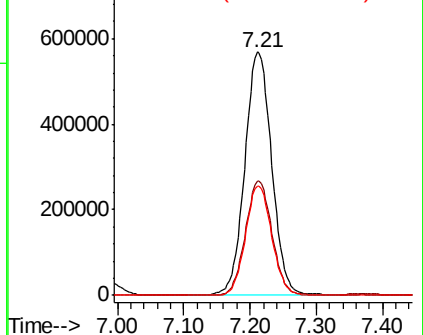
#29
Tetrahydrofuran
Concen: 806.822 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 1602198
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 44.0 34.7 52.1

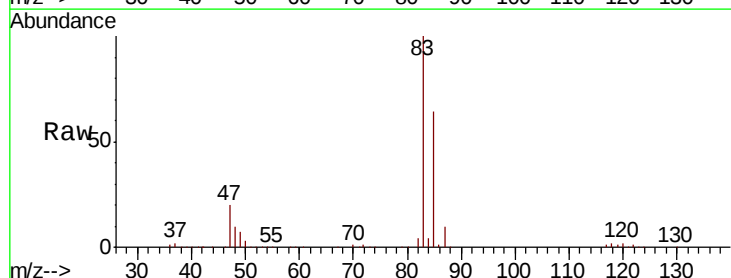


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

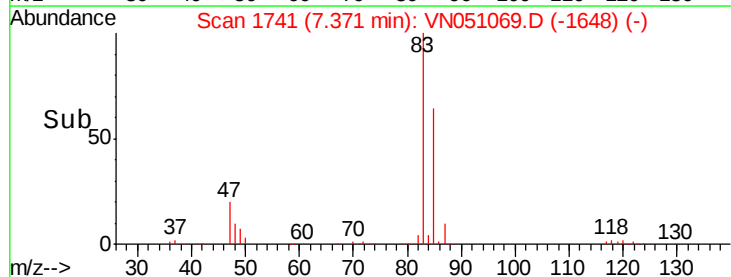
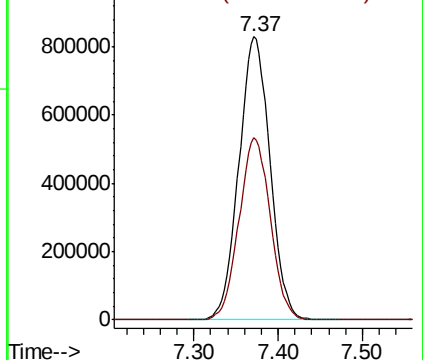


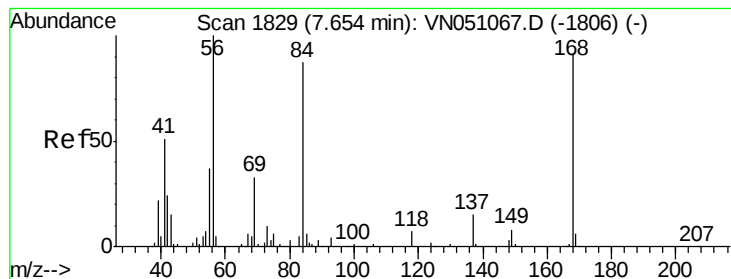
#30
Chloroform
Concen: 144.124 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 83 Resp: 2132793
Ion Ratio Lower Upper
83 100
85 64.2 52.6 79.0



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





#31

Cyclohexane

Concen: 132.299 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

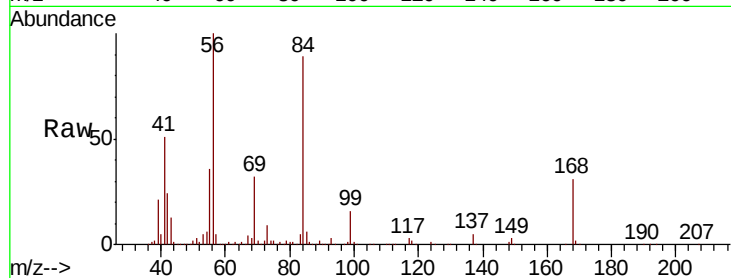
Tgt Ion: 56 Resp: 1990337

Ion Ratio Lower Upper

56 100

69 32.0 26.3 39.5

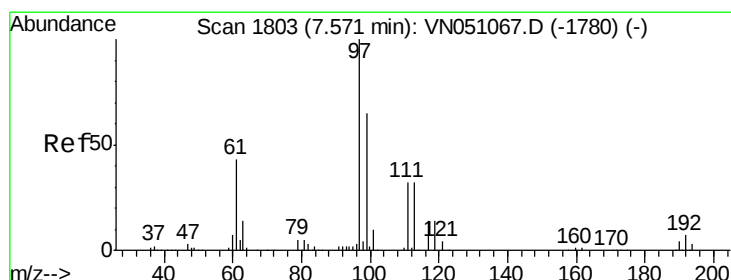
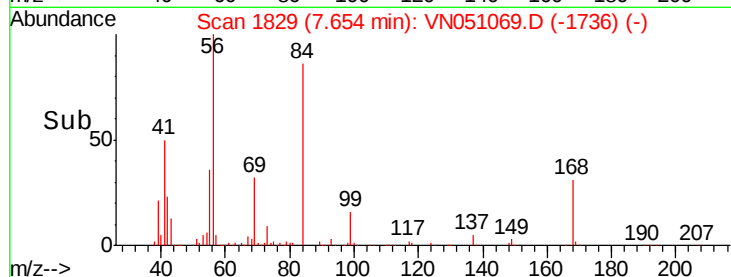
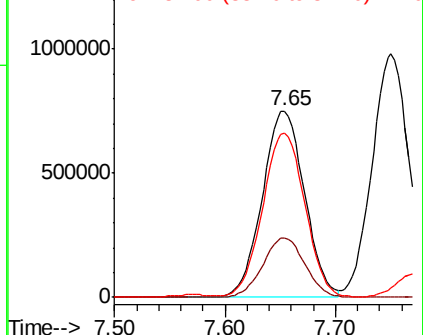
84 87.2 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN051069.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051069.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051069.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 146.357 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

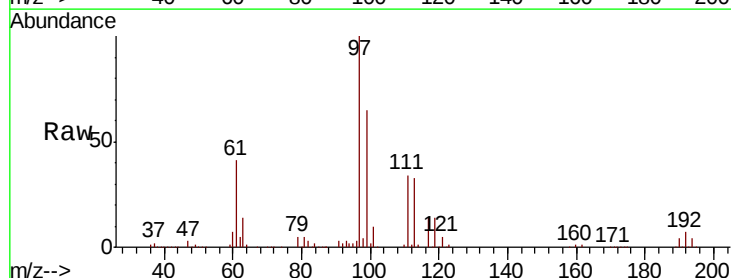
Tgt Ion: 97 Resp: 1845484

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

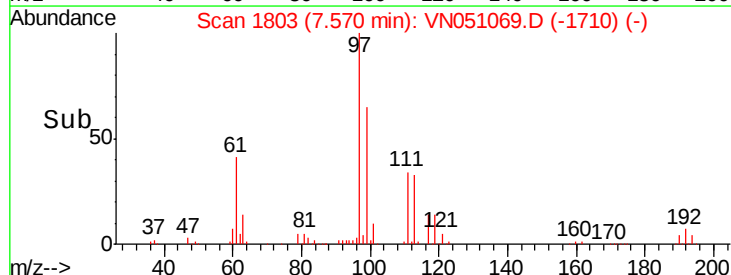
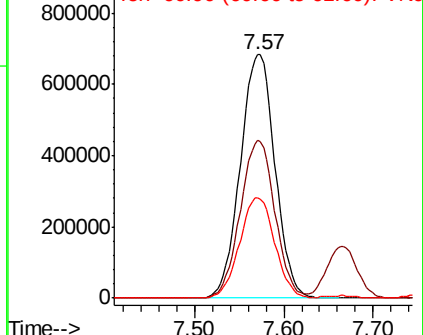
61 41.8 33.8 50.6

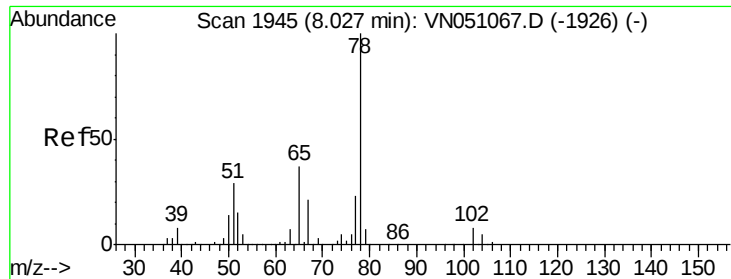


Abundance Ion 96.90 (96.60 to 97.60): VN051069.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN051069.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN051069.D (-1710) (-)

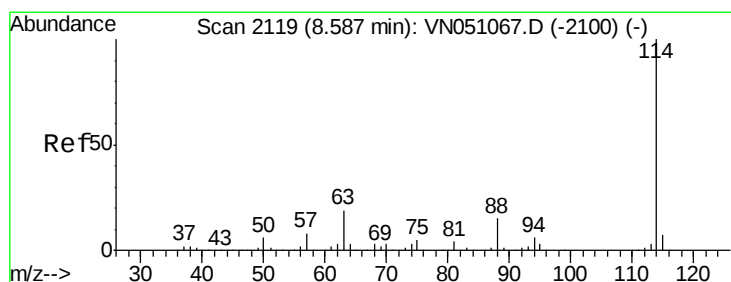
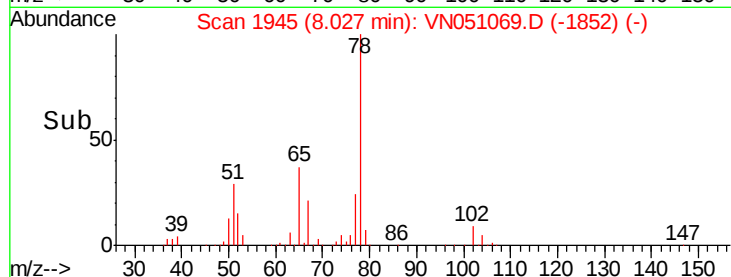
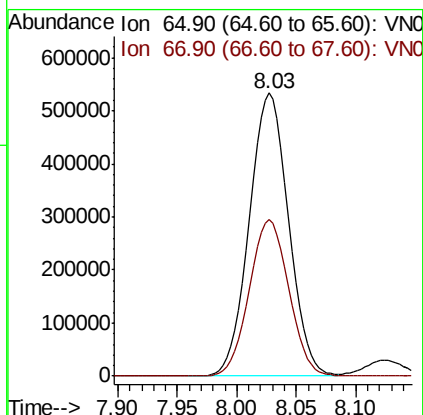
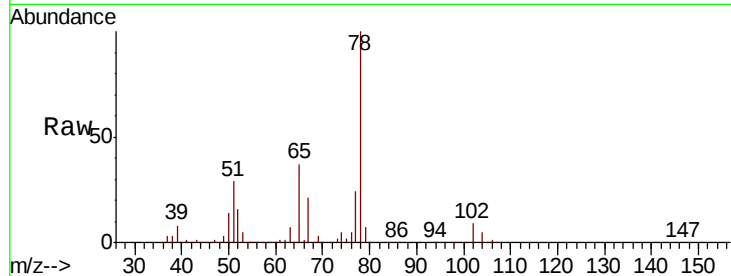




#33
 1,2-Dichloroethane-d4
 Concen: 150.997 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

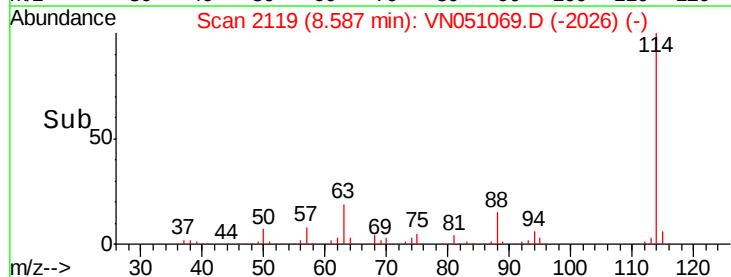
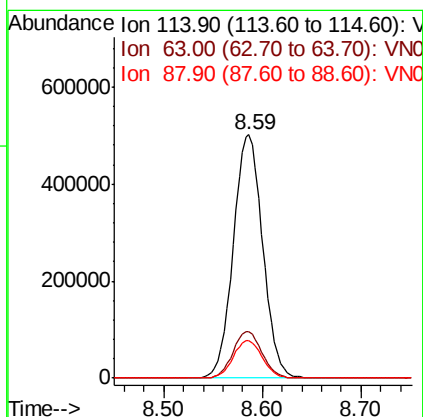
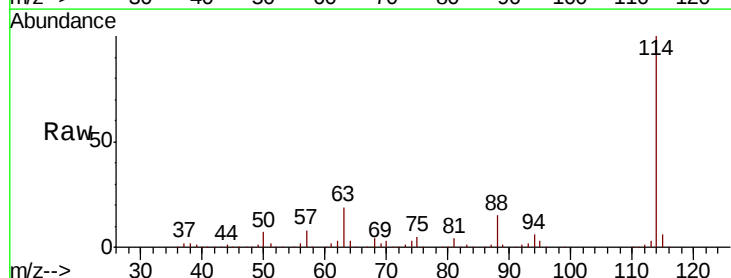
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

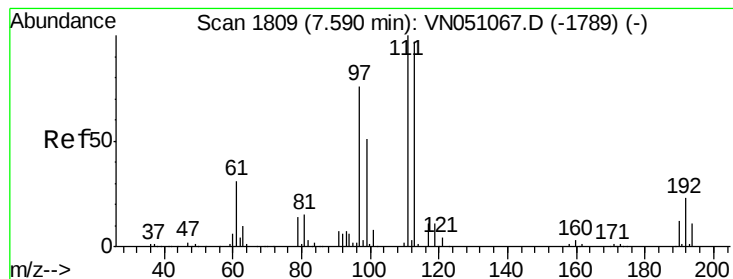
Tgt Ion: 65 Resp: 1221274
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 114 Resp: 1037568
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 153.059 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

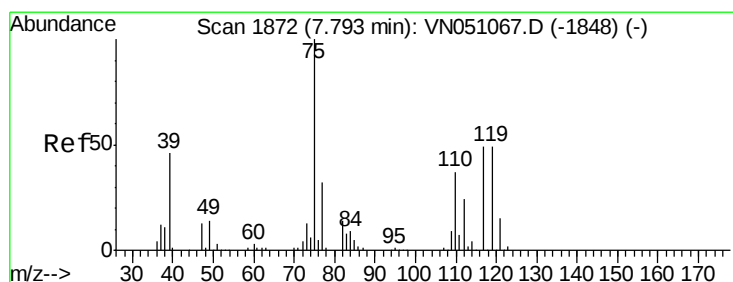
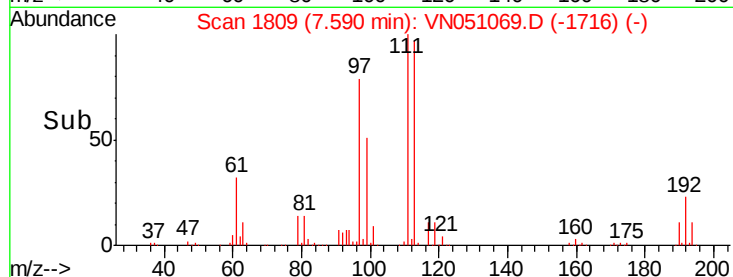
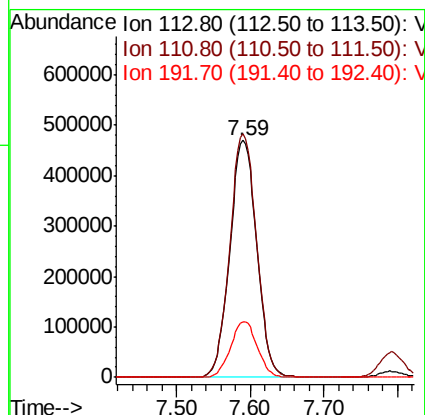
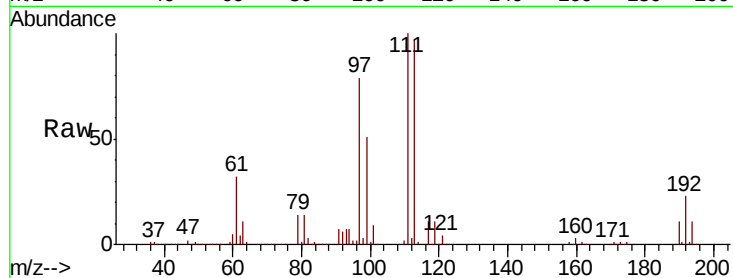
Tgt Ion:113 Resp: 1193321

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

192 23.4 18.7 28.1



#36

1,1-Dichloropropene

Concen: 151.793 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

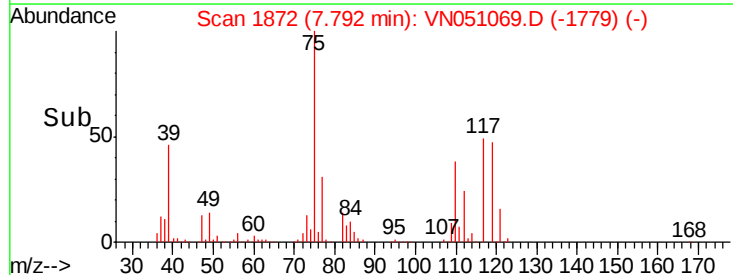
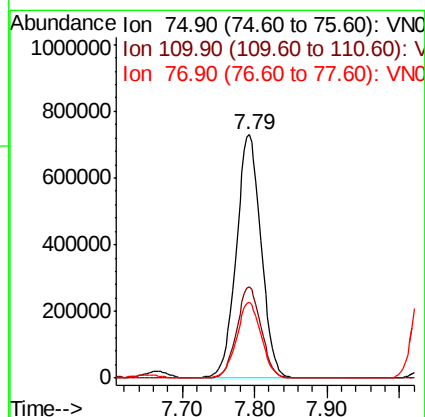
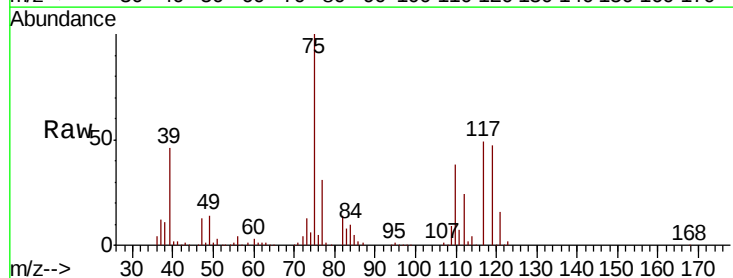
Tgt Ion: 75 Resp: 1729166

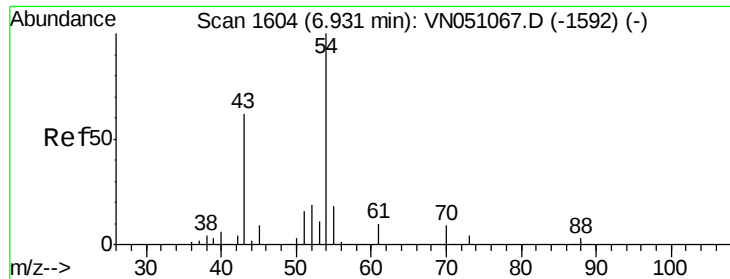
Ion Ratio Lower Upper

75 100

110 36.9 18.6 55.8

77 31.0 25.2 37.8

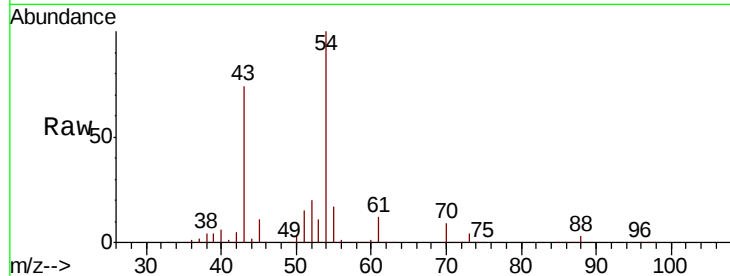




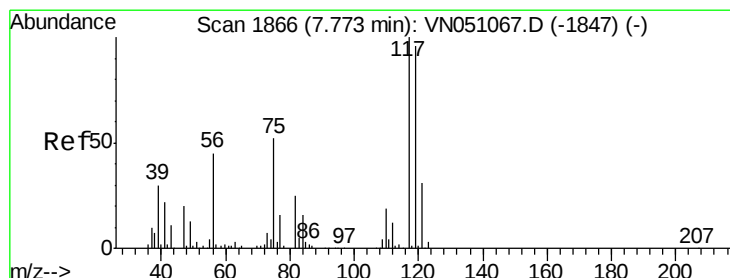
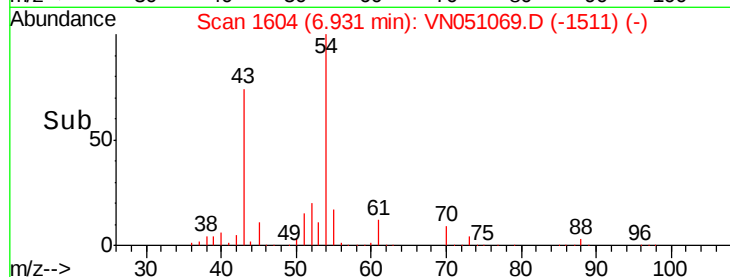
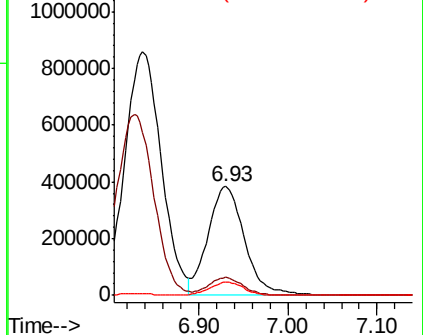
#37
 Ethyl Acetate
 Concen: 164.050 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 1082317
 Ion Ratio Lower Upper
 43 100
 61 15.7 12.4 18.6
 70 11.5 9.3 13.9

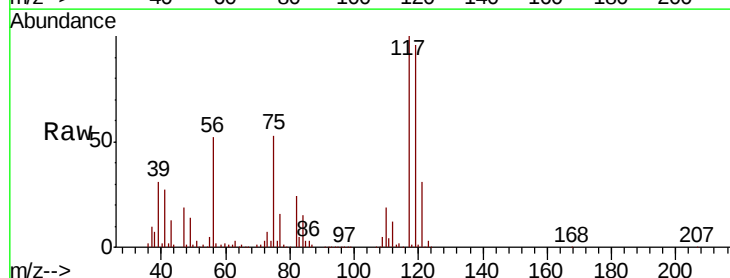


Abundance Ion 43.00 (42.70 to 43.70): VN051069.D (-1592) (-)
 Ion 60.90 (60.60 to 61.60): VN051069.D (-1592) (-)
 Ion 70.00 (69.70 to 70.70): VN051069.D (-1592) (-)

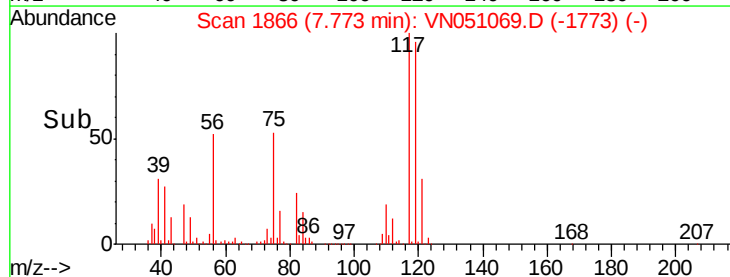
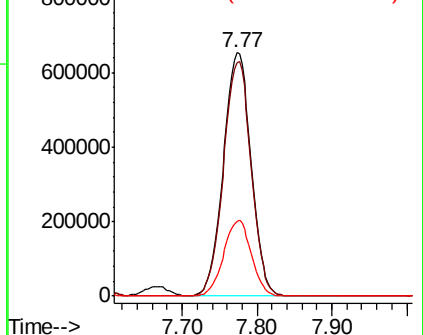


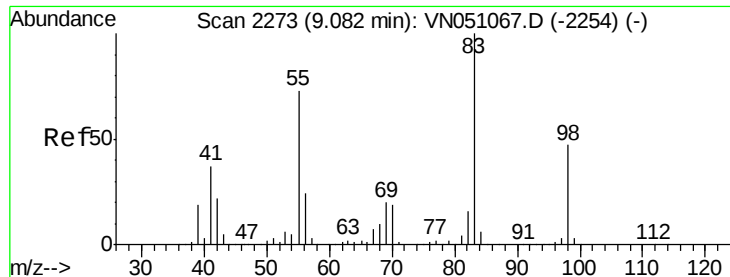
#38
 Carbon Tetrachloride
 Concen: 149.391 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 117 Resp: 1674920
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.8 115.2
 121 30.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VN051069.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN051069.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN051069.D (-1847) (-)

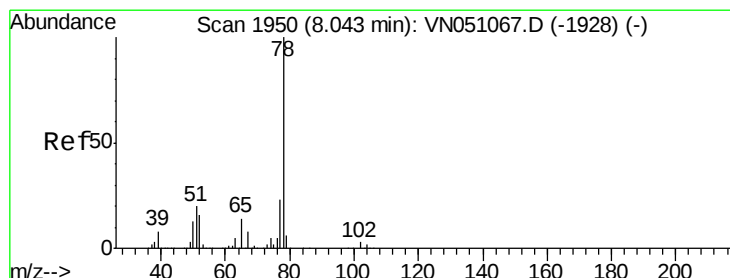
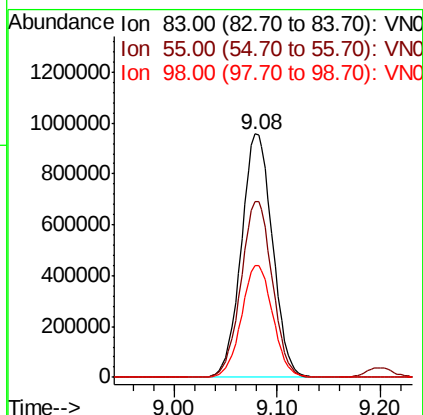
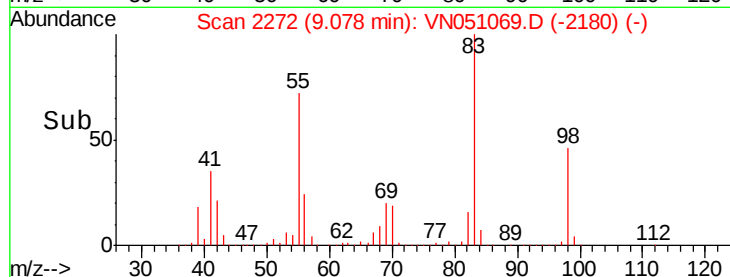
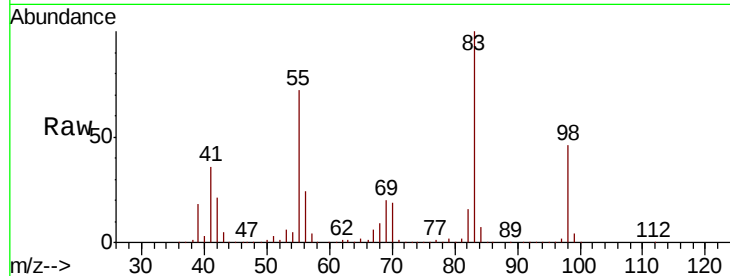




#39
Methylcyclohexane
Concen: 159.927 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

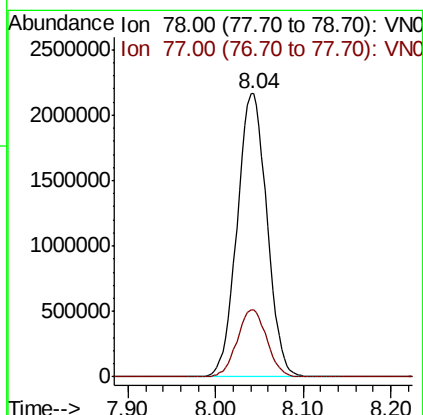
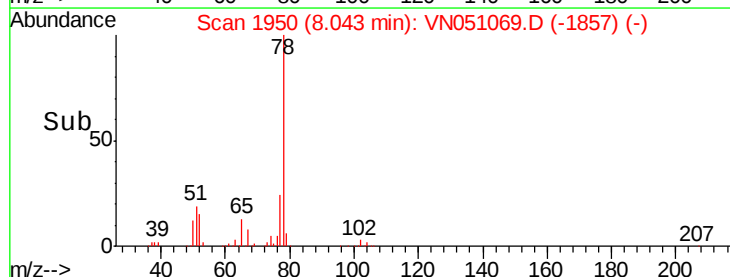
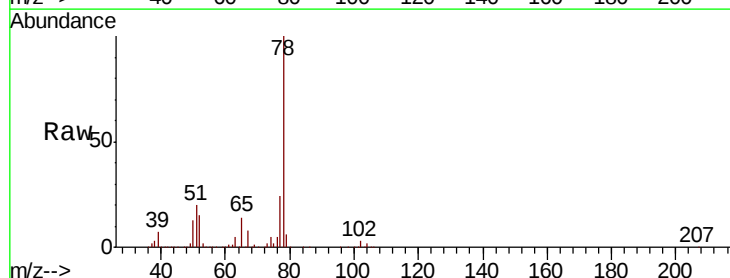
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

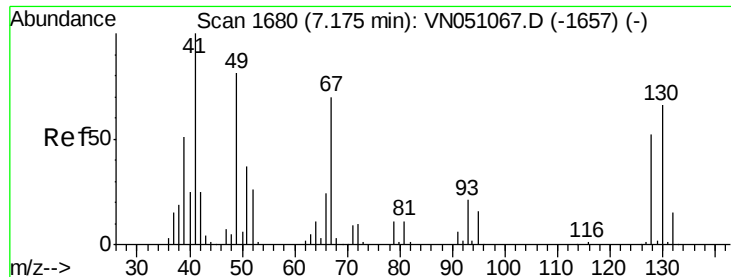
Tgt Ion: 83 Resp: 2010053
Ion Ratio Lower Upper
83 100
55 72.4 58.4 87.6
98 45.7 37.3 55.9



#40
Benzene
Concen: 148.930 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 78 Resp: 5112293
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8

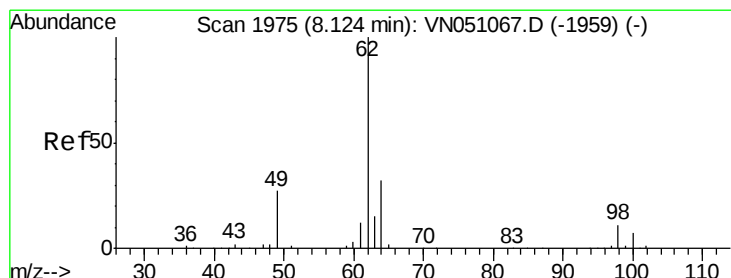
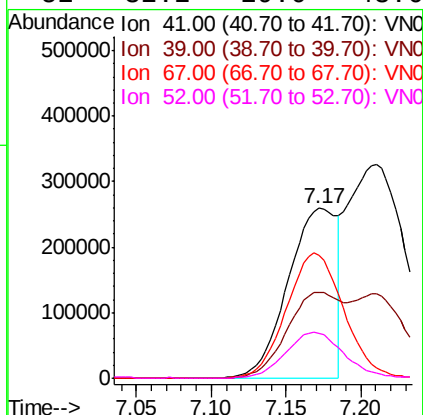
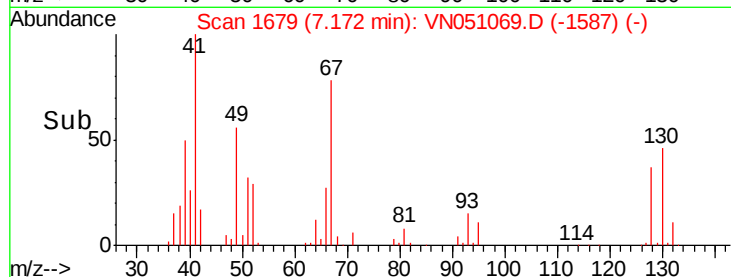
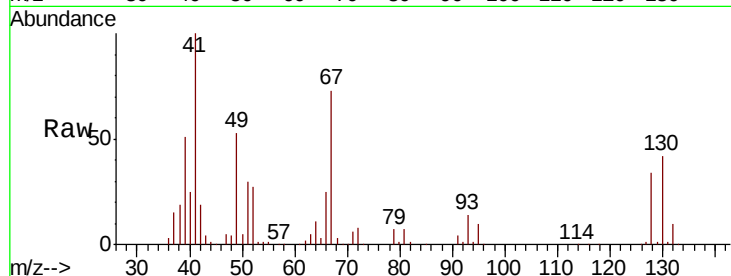




#41
Methacrylonitrile
Concen: 172.282 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

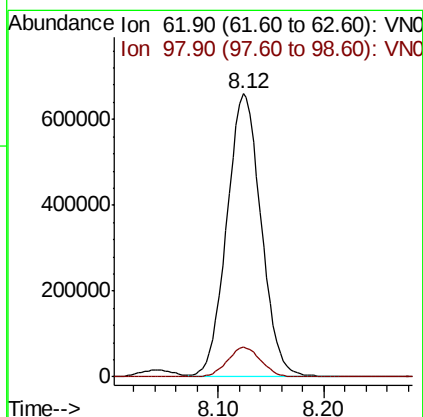
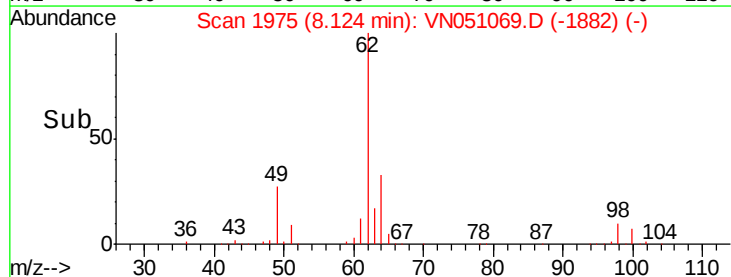
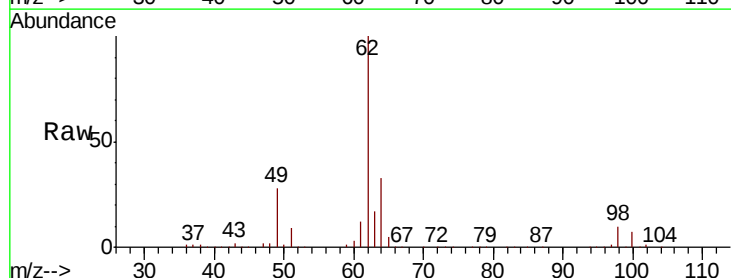
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

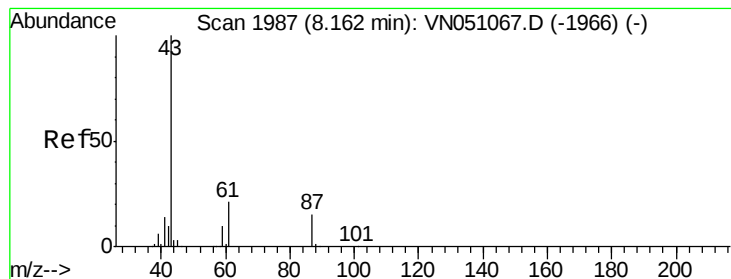
Tgt Ion: 41 Resp: 586450
Ion Ratio Lower Upper
41 100
39 58.2 51.3 76.9
67 87.3 78.5 117.7
52 32.2 29.0 43.6



#42
1,2-Dichloroethane
Concen: 148.105 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 62 Resp: 1481846
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 163.468 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

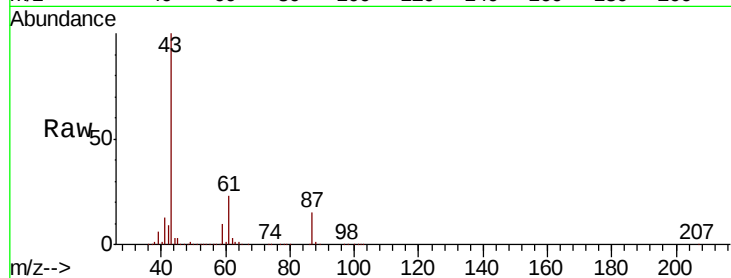
Tgt Ion: 43 Resp: 1902958

Ion Ratio Lower Upper

43 100

61 31.1 25.0 37.6

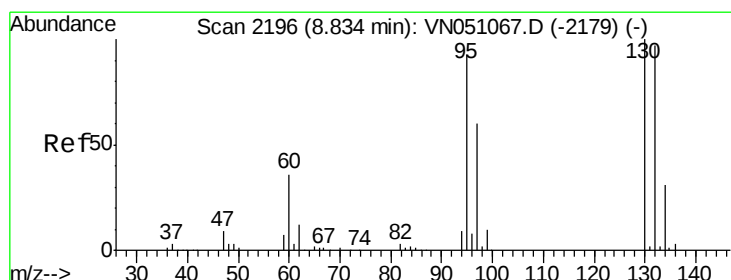
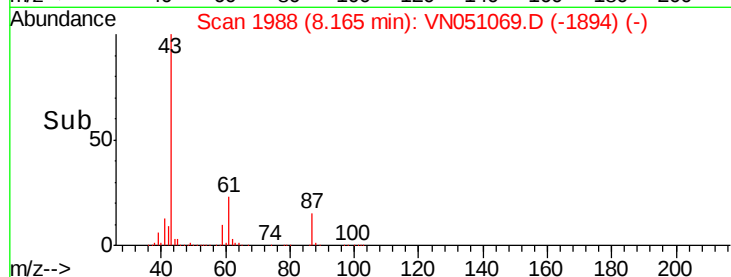
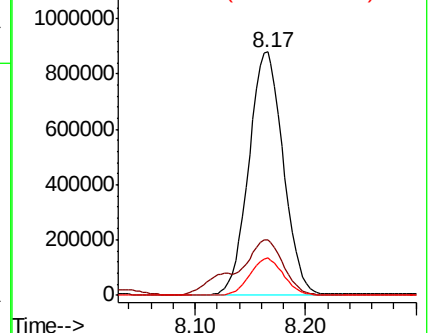
87 15.0 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 148.488 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051069.D

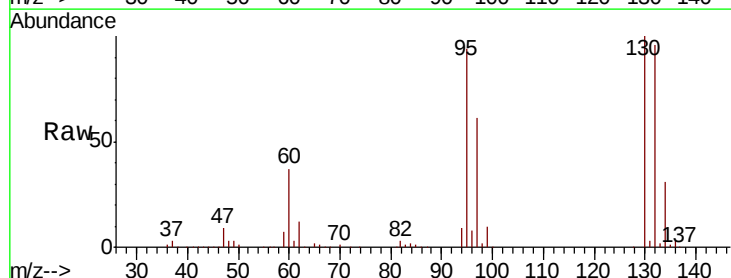
Acq: 10 Sep 2018 10:12

Tgt Ion: 130 Resp: 1394165

Ion Ratio Lower Upper

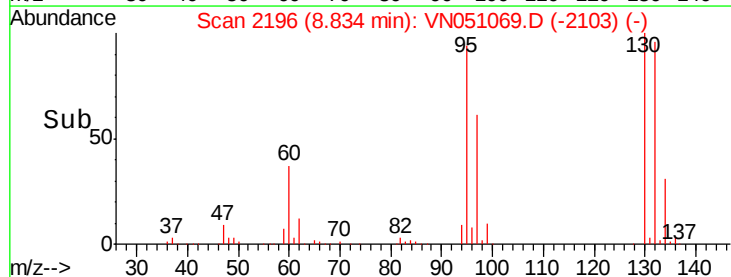
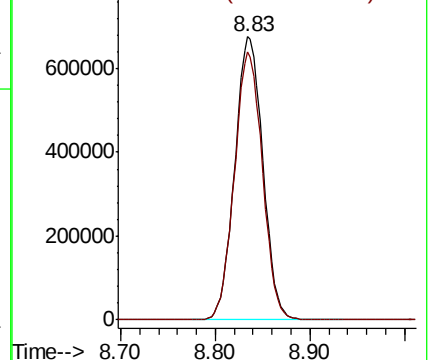
130 100

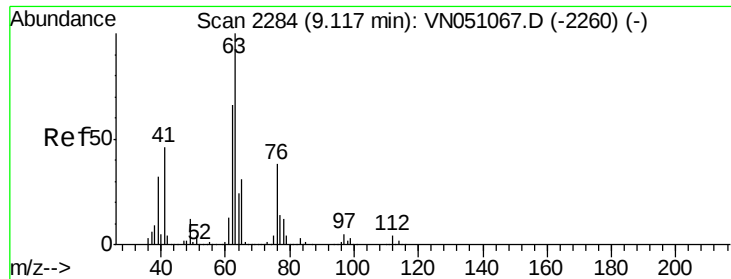
95 94.5 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 149.813 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

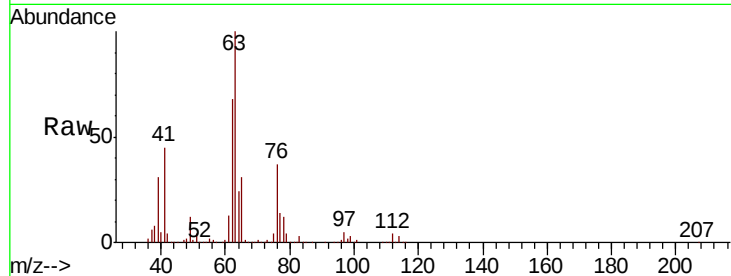
VSTDIC150

Tgt Ion: 63 Resp: 1328811

Ion Ratio Lower Upper

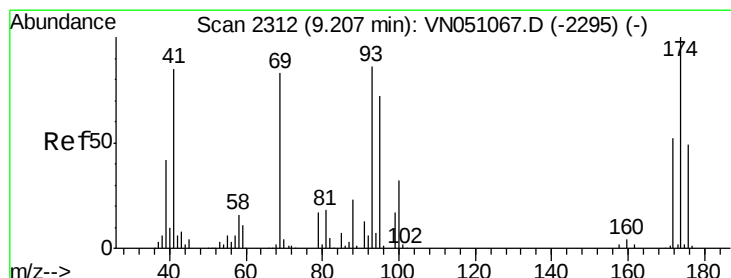
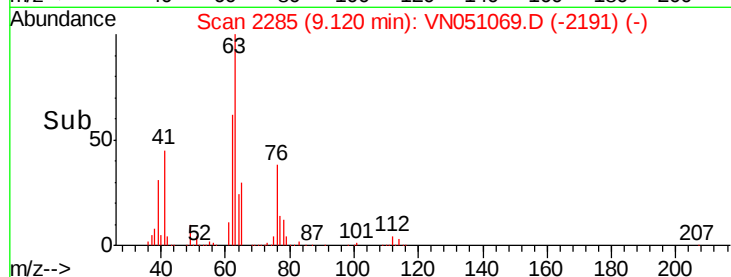
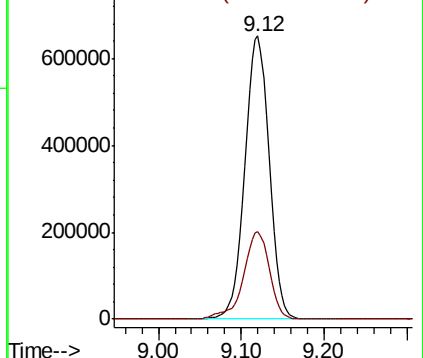
63 100

65 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 146.958 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

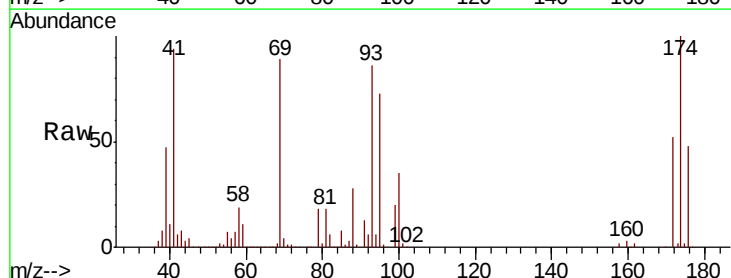
Tgt Ion: 93 Resp: 795312

Ion Ratio Lower Upper

93 100

95 84.1 66.8 100.2

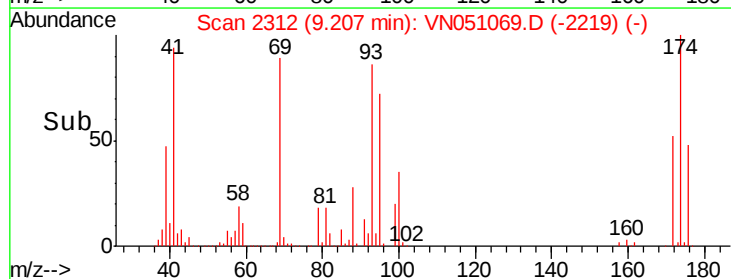
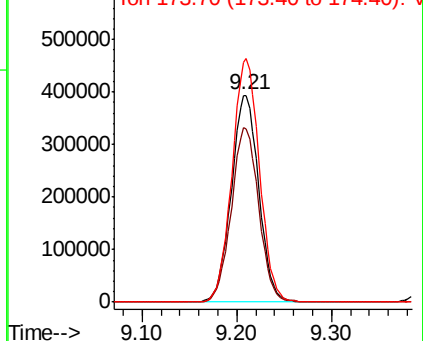
174 117.4 93.3 139.9

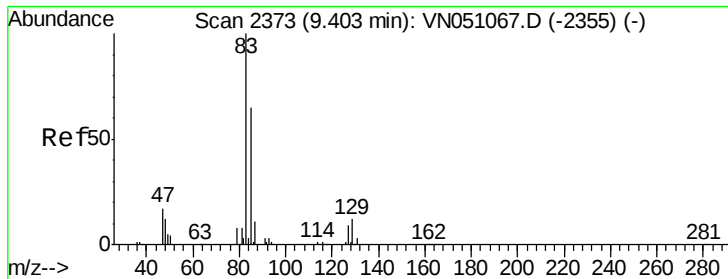


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 152.595 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

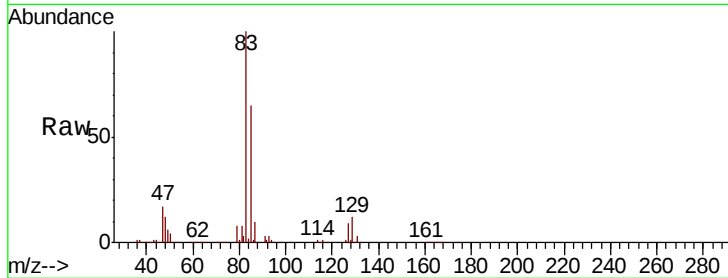
Tgt Ion: 83 Resp: 1679138

Ion Ratio Lower Upper

83 100

85 64.7 52.3 78.5

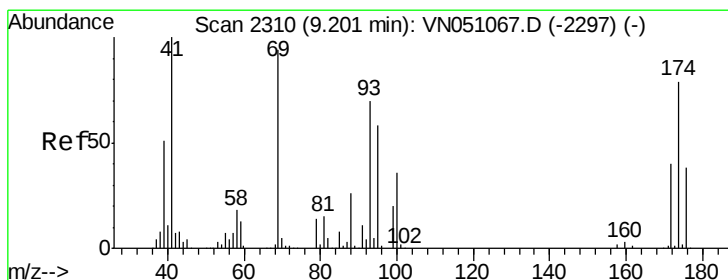
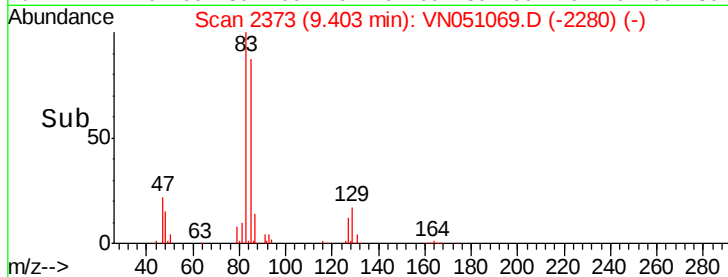
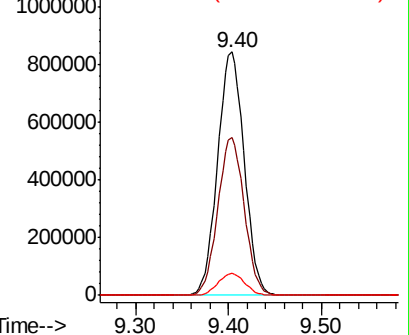
127 9.0 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 169.174 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

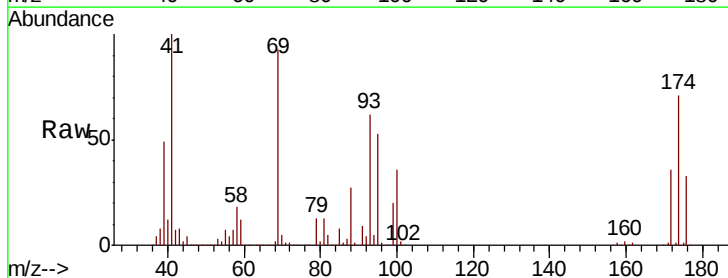
Tgt Ion: 41 Resp: 959739

Ion Ratio Lower Upper

41 100

69 96.5 77.7 116.5

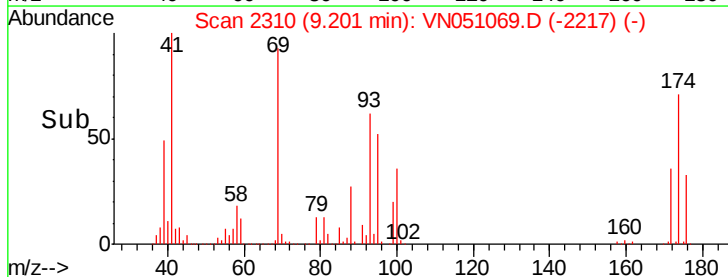
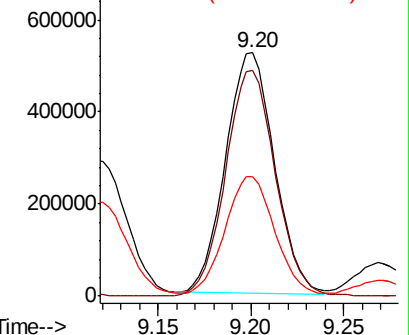
39 51.3 41.6 62.4

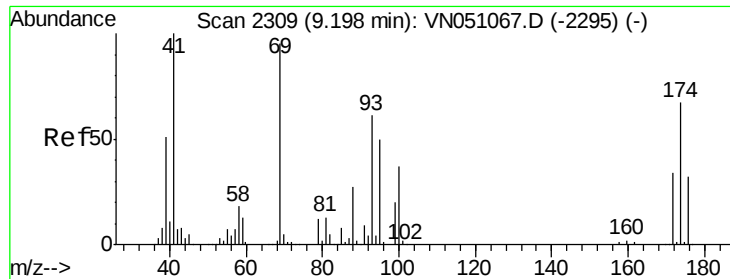


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 3385.900 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

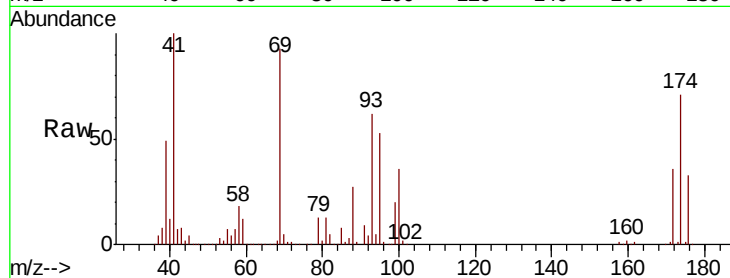
Tgt Ion: 88 Resp: 301211

Ion Ratio Lower Upper

88 100

43 27.4 23.7 35.5

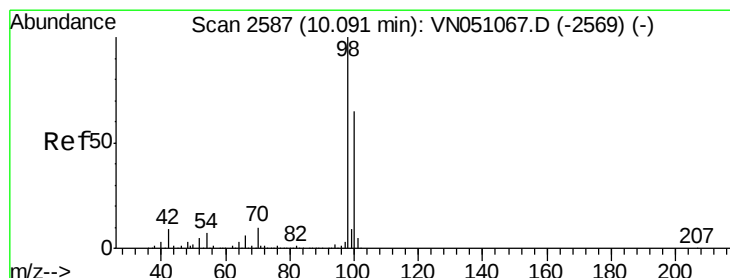
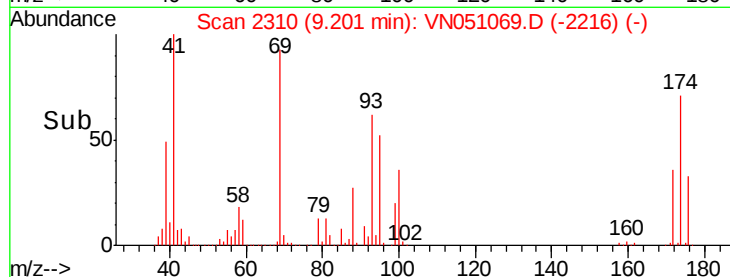
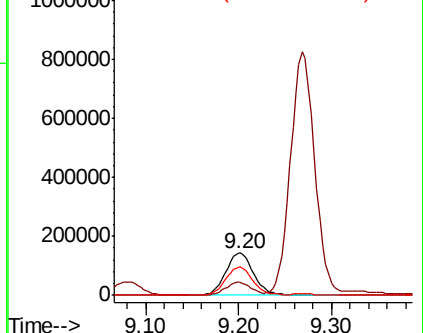
58 65.6 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VN051069.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051069.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051069.D (-2295) (-)



#50

Toluene-d8

Concen: 155.778 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051069.D

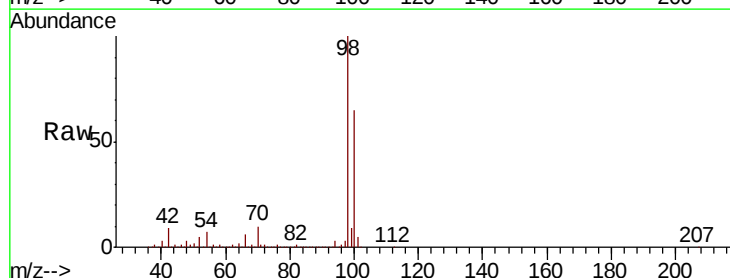
Acq: 10 Sep 2018 10:12

Tgt Ion: 98 Resp: 4608717

Ion Ratio Lower Upper

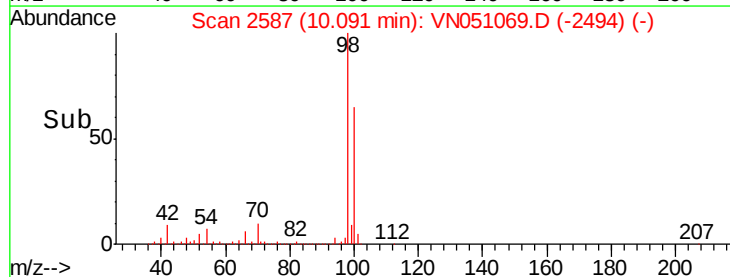
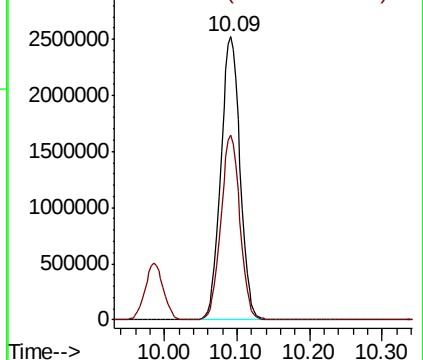
98 100

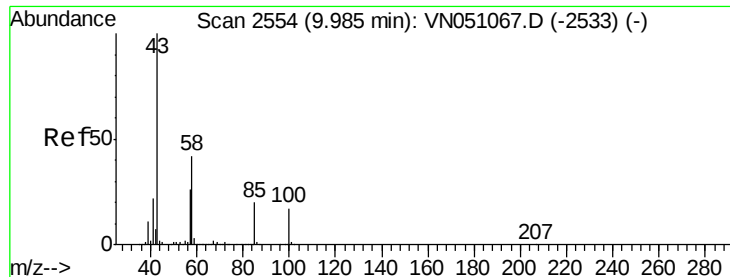
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051069.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051069.D (-2569) (-)

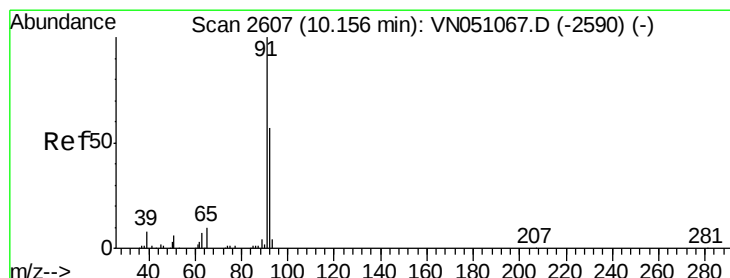
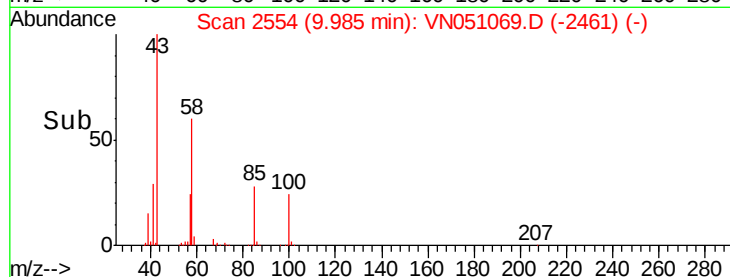
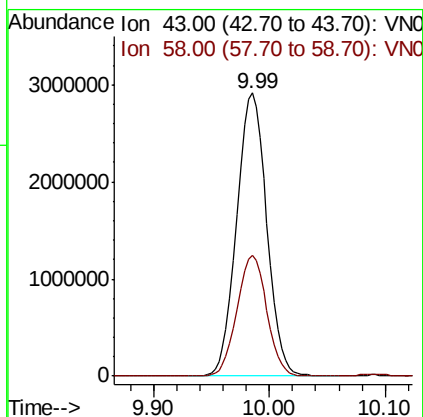
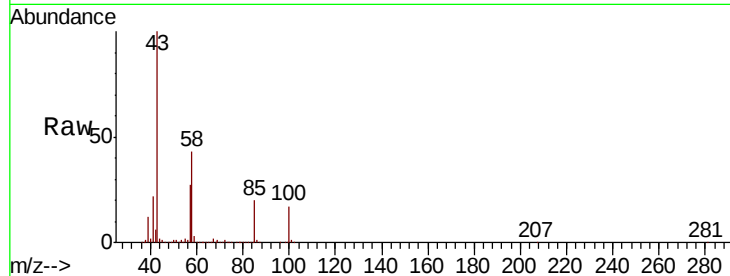




#51
 4-Methyl-2-Pentanone
 Concen: 812.589 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

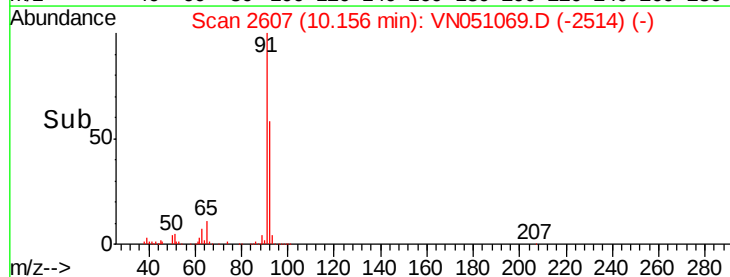
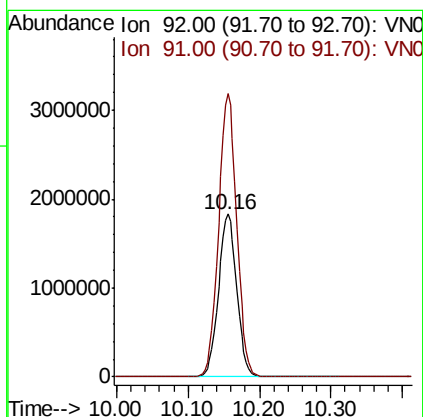
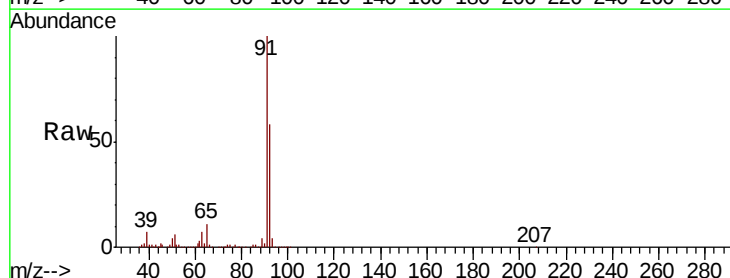
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

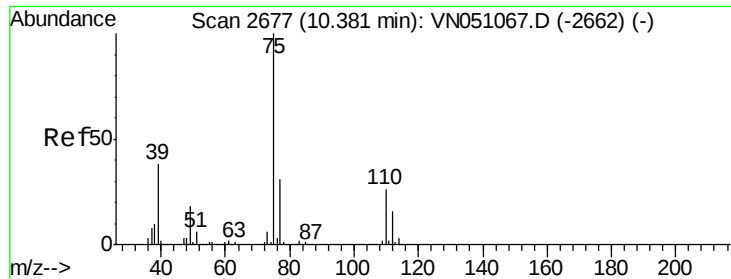
Tgt Ion: 43 Resp: 5231145
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.5 50.3



#52
 Toluene
 Concen: 154.075 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 92 Resp: 3224980
 Ion Ratio Lower Upper
 92 100
 91 173.3 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 167.283 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

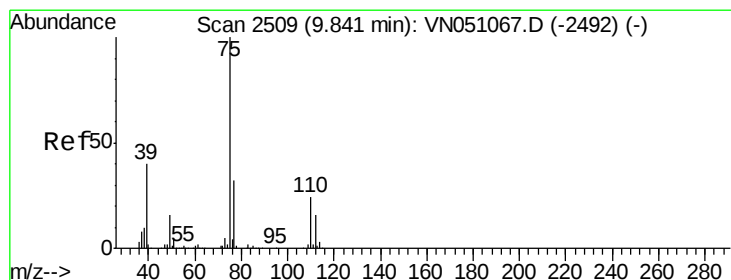
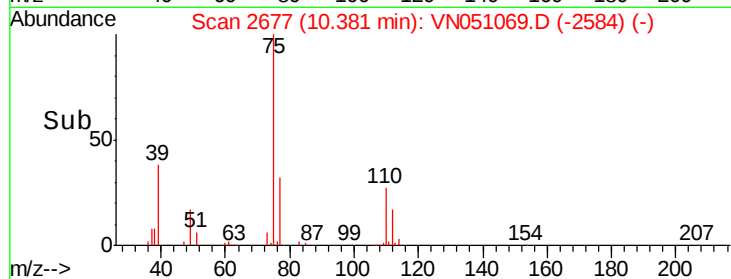
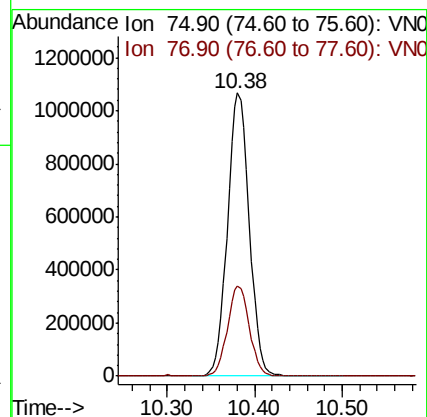
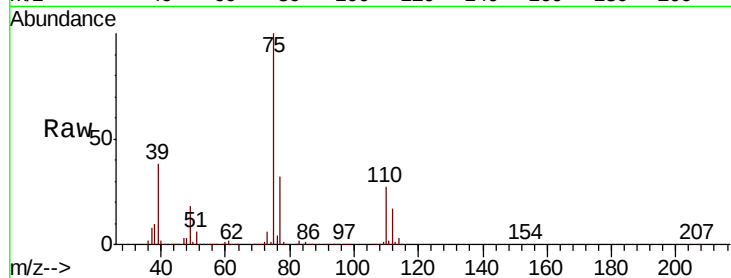
VSTDIC150

Tgt Ion: 75 Resp: 1842350

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 161.053 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

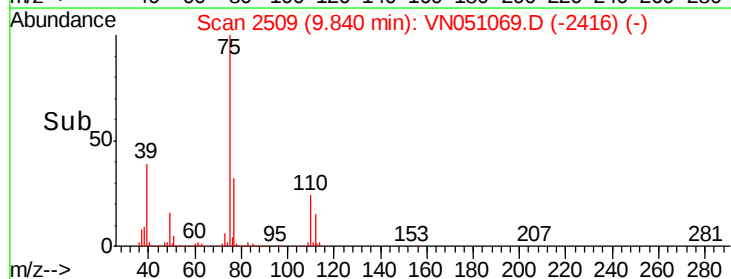
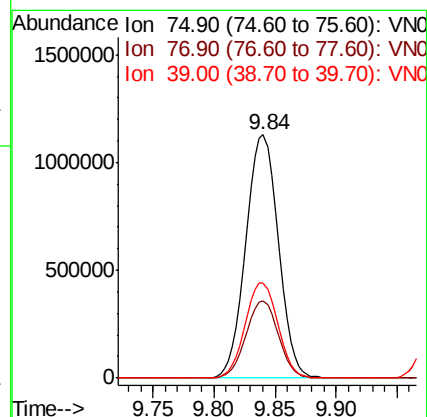
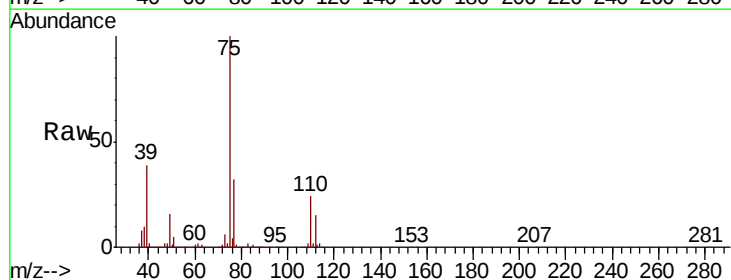
Tgt Ion: 75 Resp: 2079707

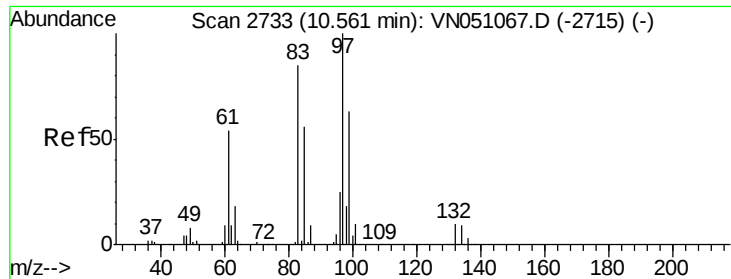
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 39.0 31.9 47.9



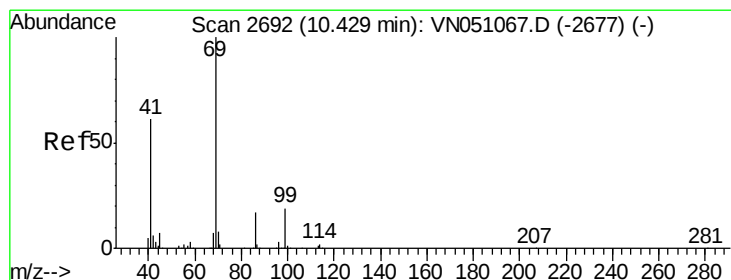
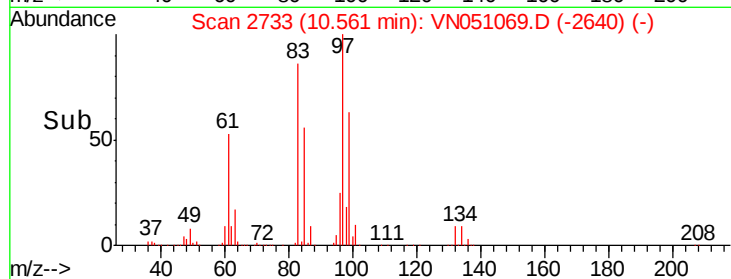
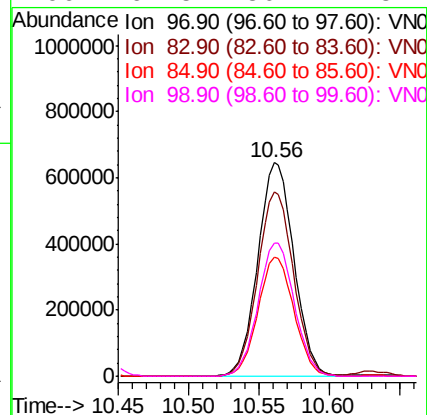
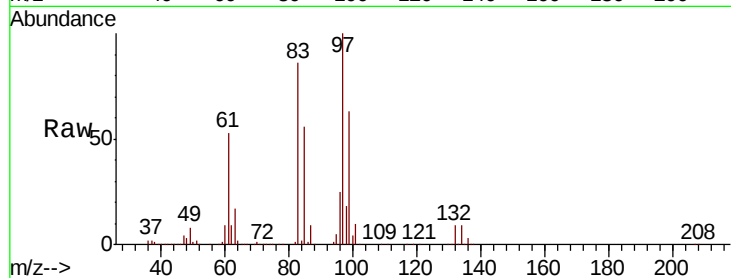


#55
 1,1,2-Trichloroethane
 Concen: 152.126 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1156696

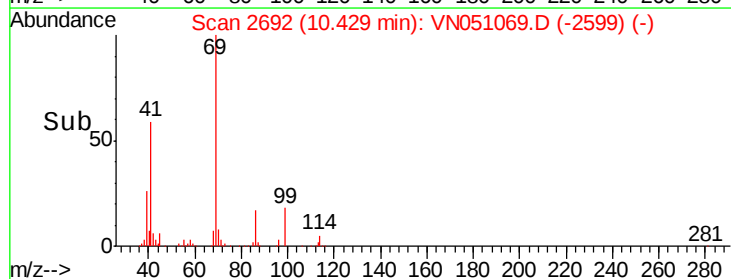
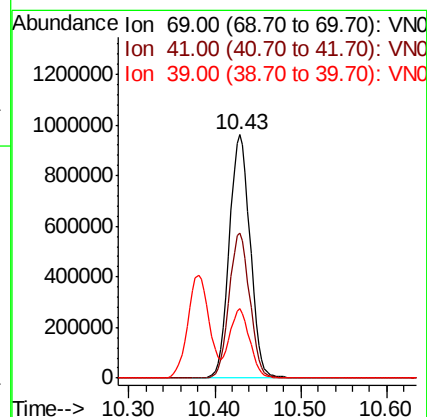
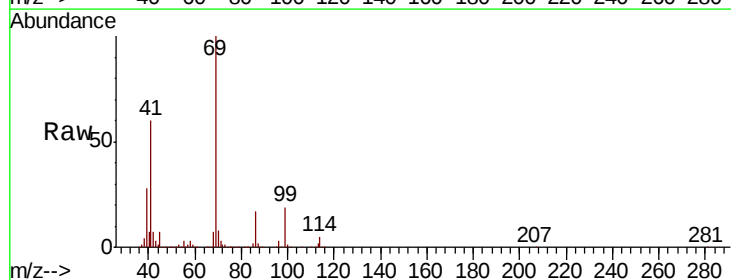
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.2	102.2
85	55.8	44.8	67.2
99	62.5	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 177.766 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 69 Resp: 1617719

Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.8	71.8
39	27.8	23.0	34.4





#57

1,3-Dichloropropane

Concen: 153.838 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

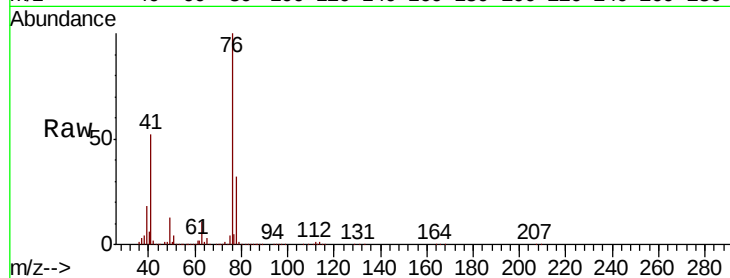
VSTDIC150

Tgt Ion: 76 Resp: 1939224

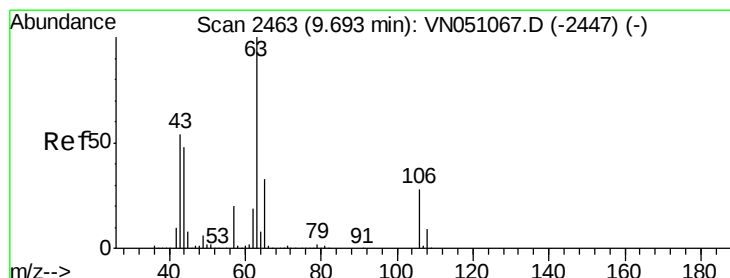
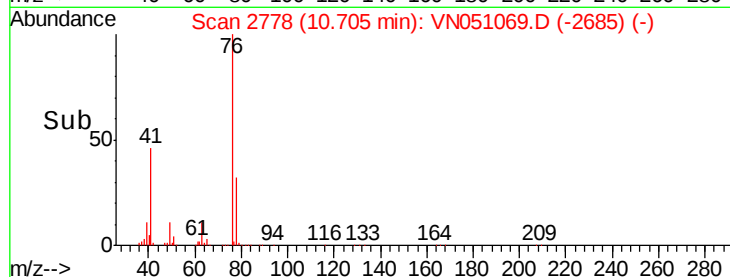
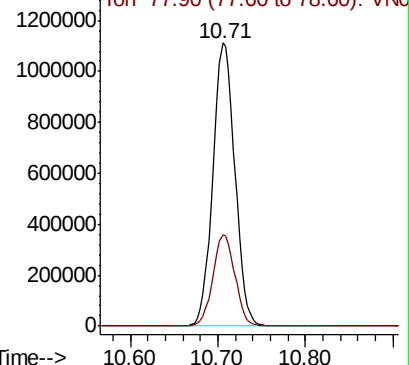
Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN051069.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 926.591 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051069.D

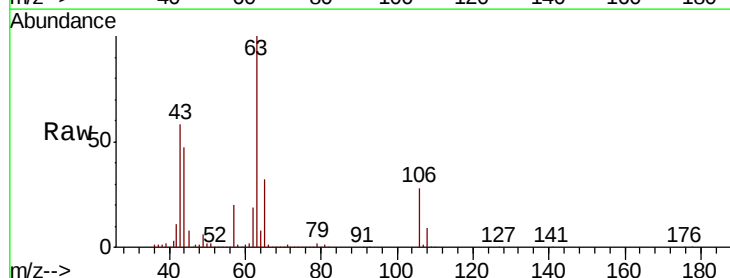
Acq: 10 Sep 2018 10:12

Tgt Ion: 63 Resp: 3446284

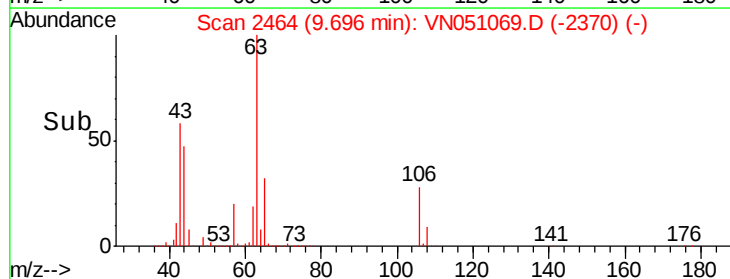
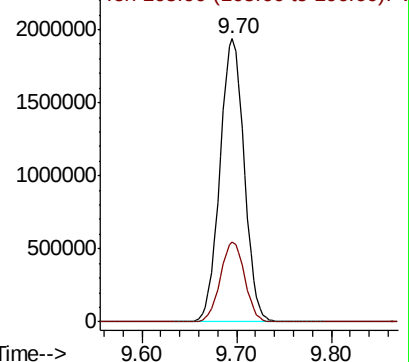
Ion Ratio Lower Upper

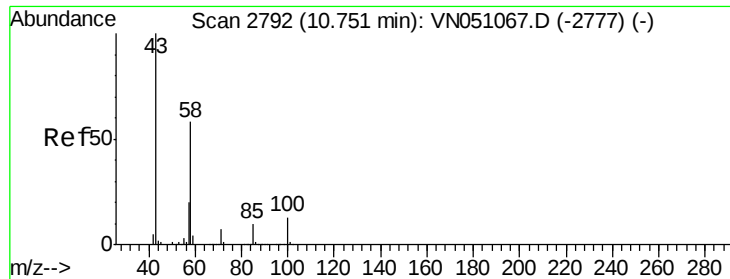
63 100

106 28.4 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051069.D (-2370) (-)

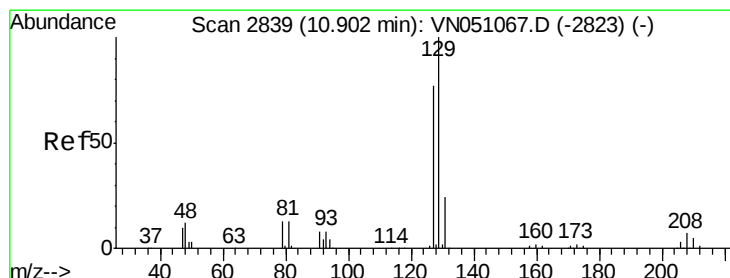
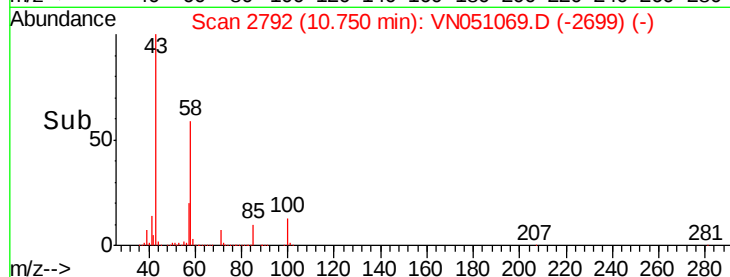
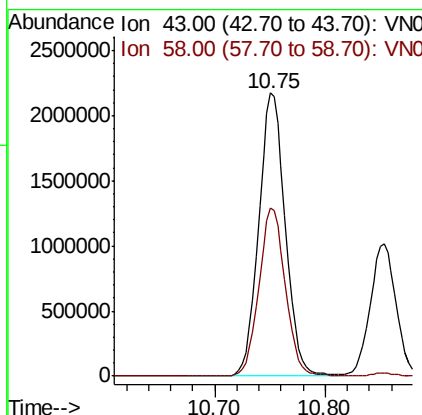
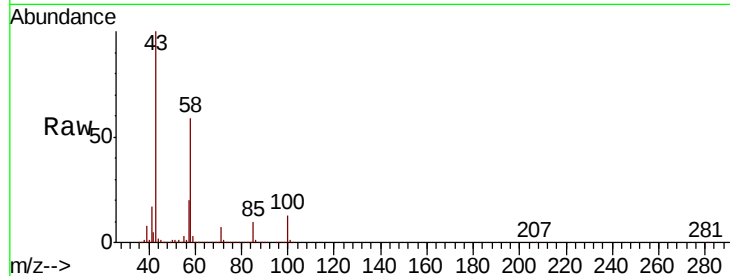




#59
2-Hexanone
Concen: 827.167 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

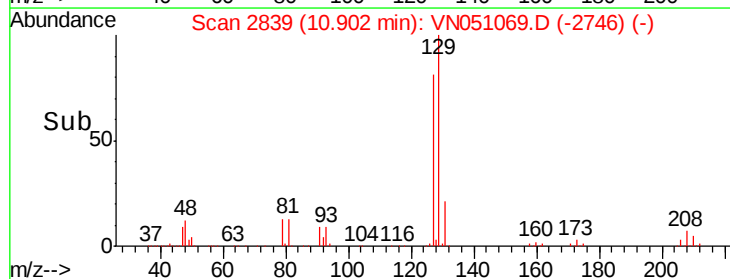
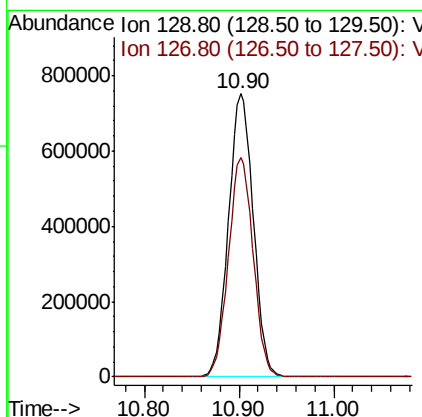
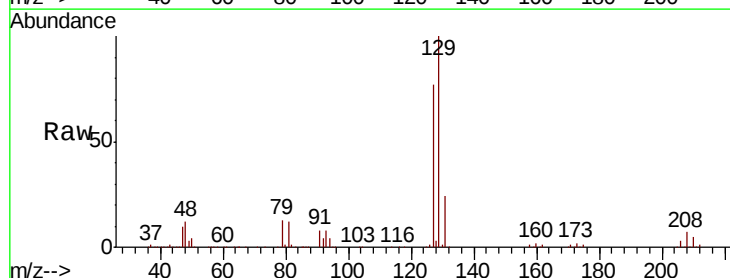
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

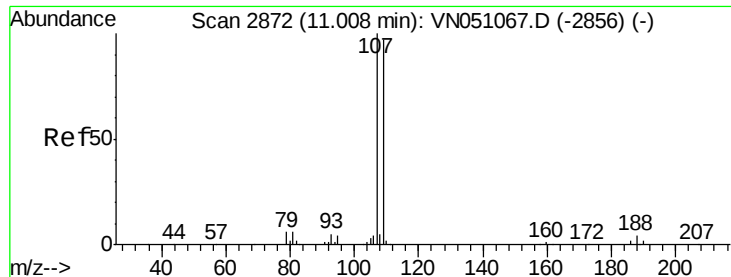
Tgt Ion: 43 Resp: 3611301
Ion Ratio Lower Upper
43 100
58 59.4 29.3 88.0



#60
Dibromochloromethane
Concen: 159.550 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 129 Resp: 1367371
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

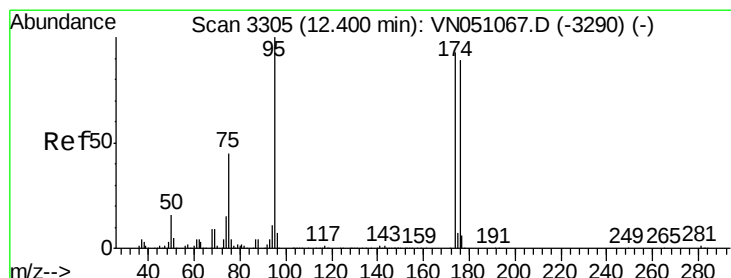
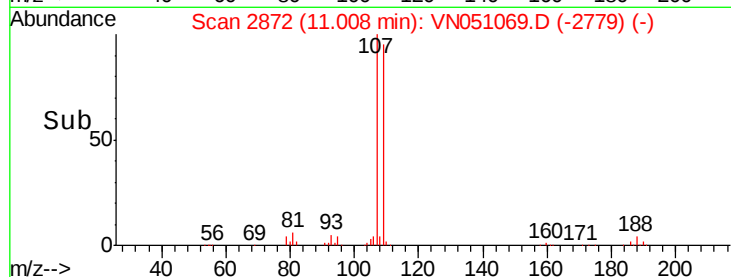
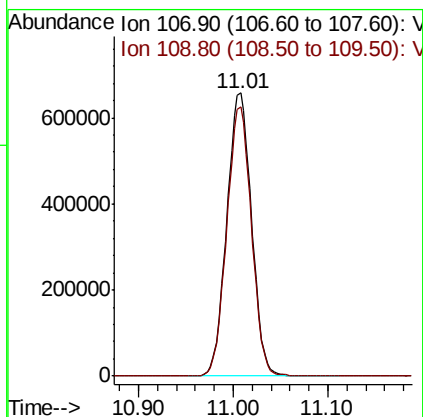
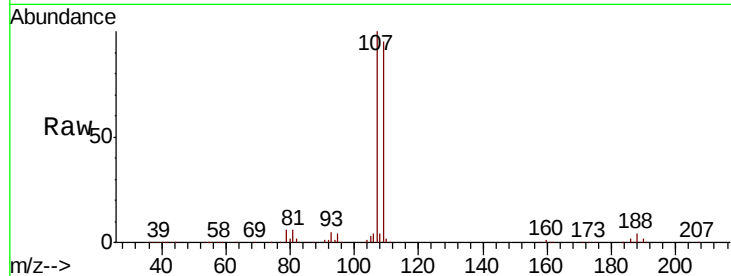




#61
 1,2-Dibromoethane
 Concen: 160.737 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

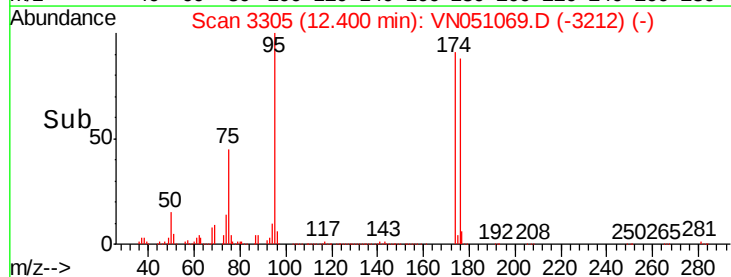
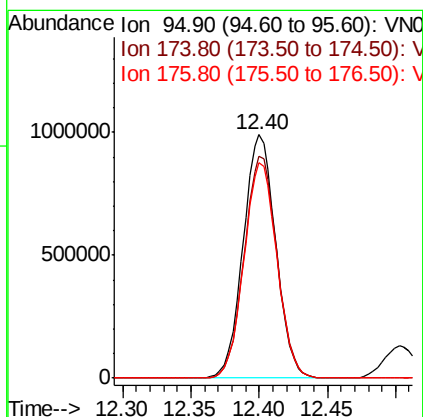
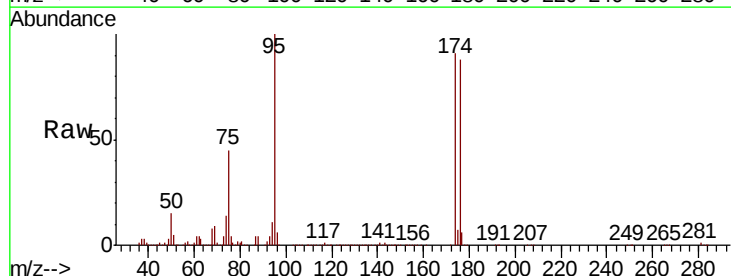
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

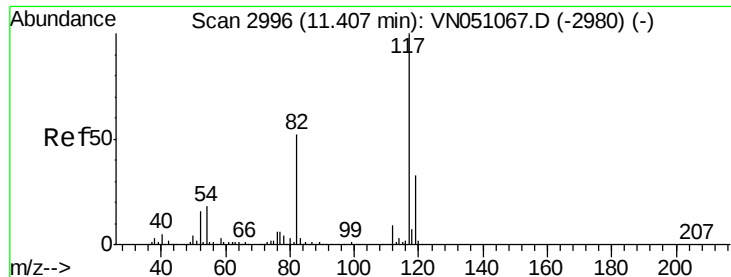
Tgt Ion: 107 Resp: 1194714
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 167.119 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 95 Resp: 1635483
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 184.8
 176 89.6 0.0 178.6

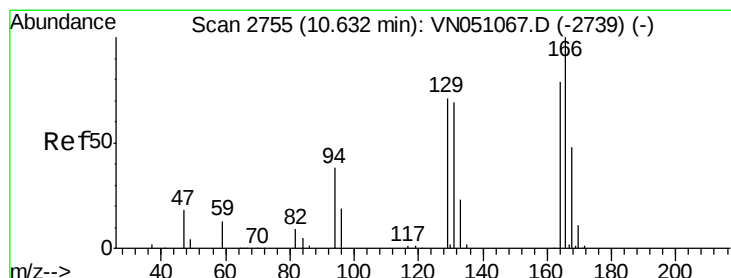
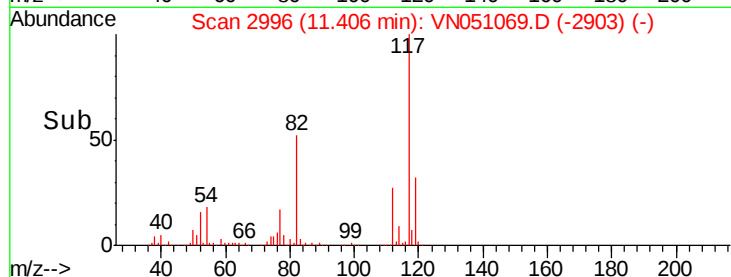
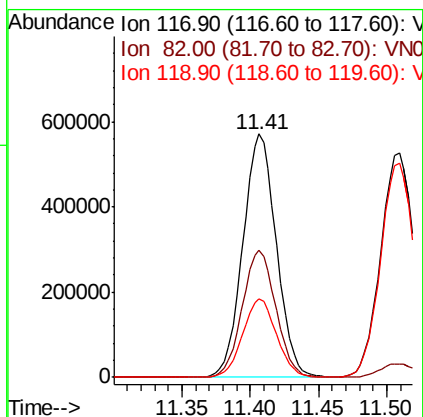
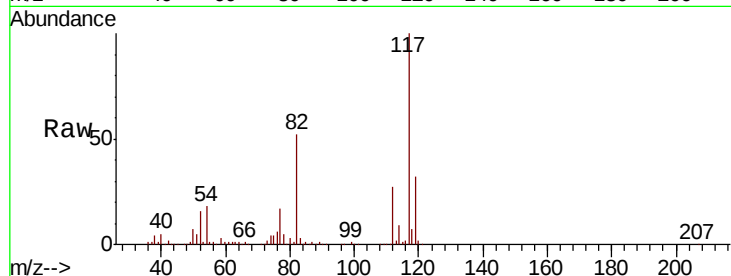




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

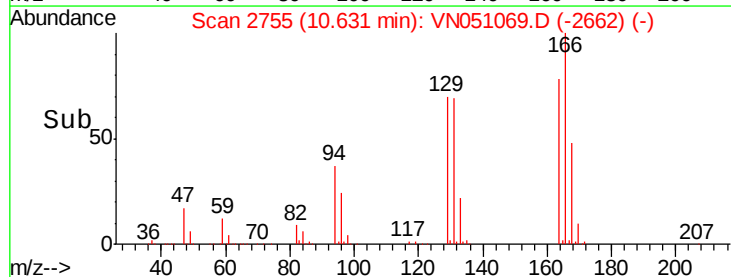
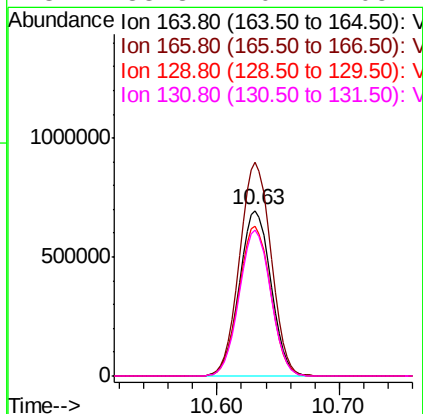
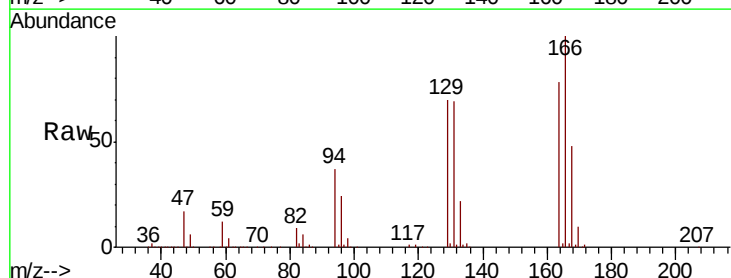
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

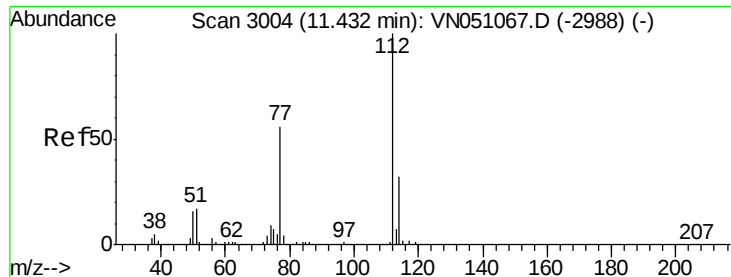
Tgt Ion:117 Resp: 971026
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.6
119 32.3 26.2 39.2



#64
Tetrachloroethene
Concen: 139.835 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion:164 Resp: 1239019
Ion Ratio Lower Upper
164 100
166 128.9 101.3 151.9
129 90.7 72.2 108.2
131 88.3 70.2 105.2

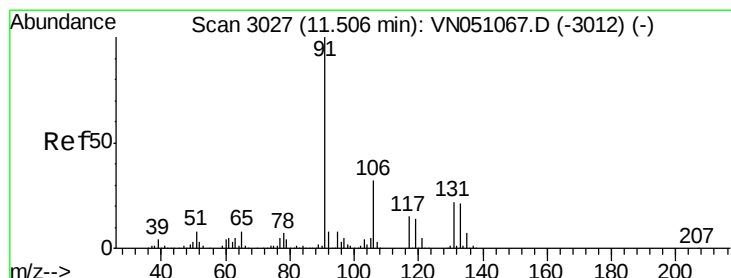
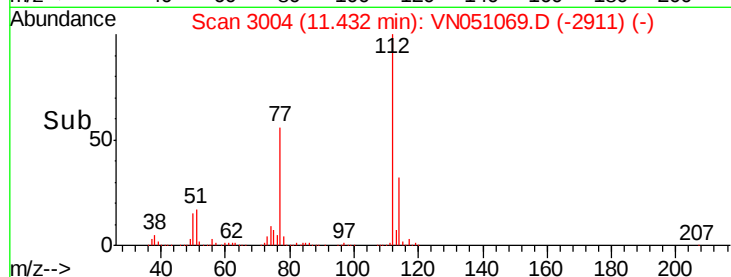
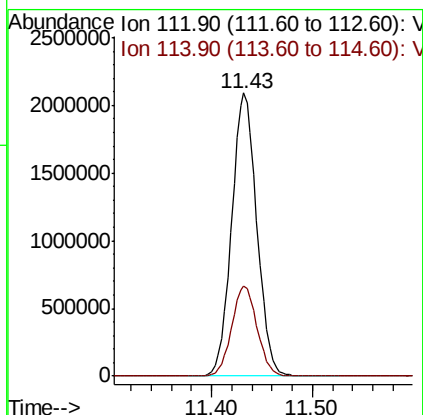
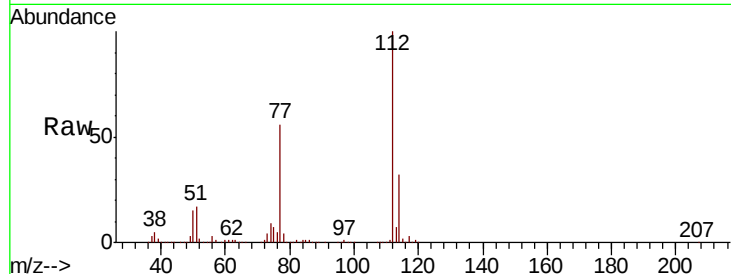




#65
Chlorobenzene
Concen: 148.034 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

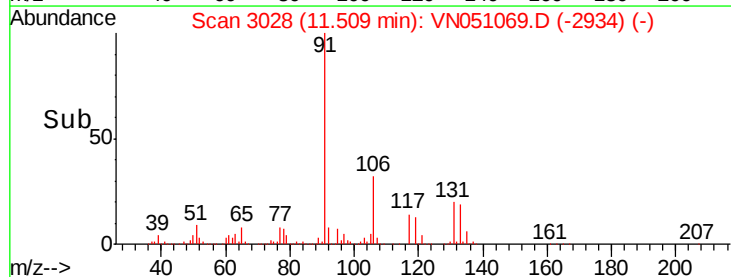
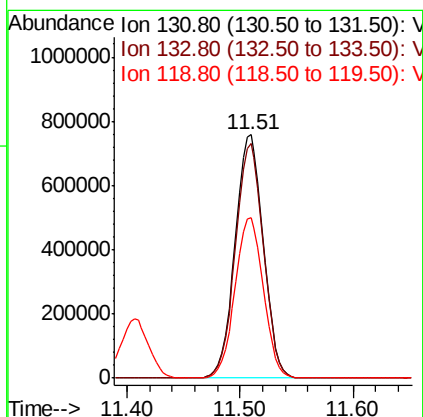
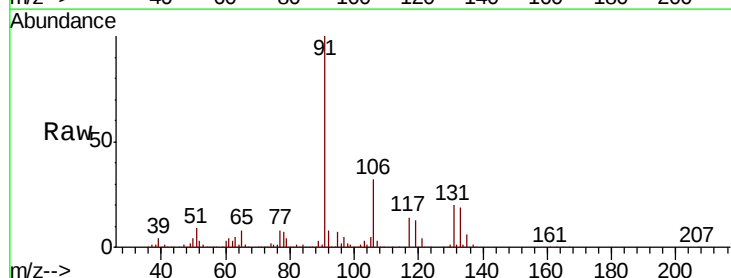
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

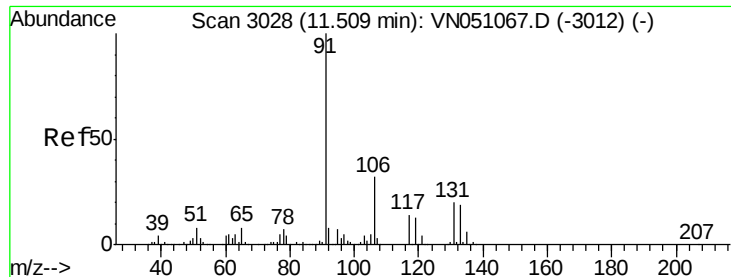
Tgt Ion:112 Resp: 3623392
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 149.101 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion:131 Resp: 1313955
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.5 33.2 99.6

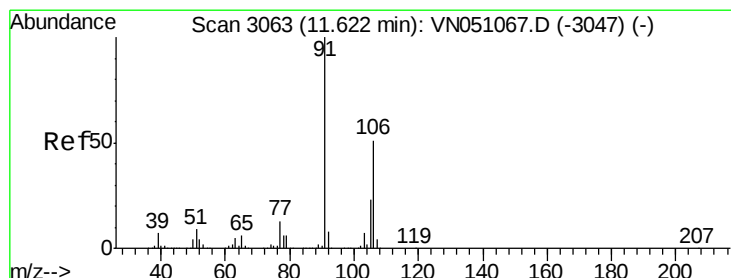
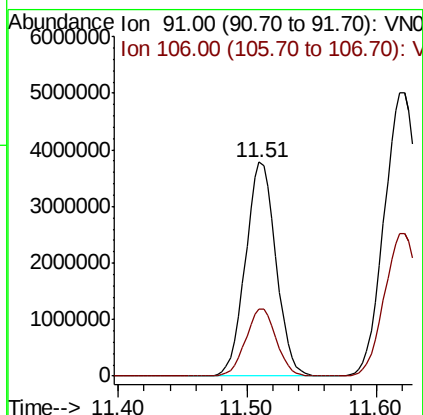
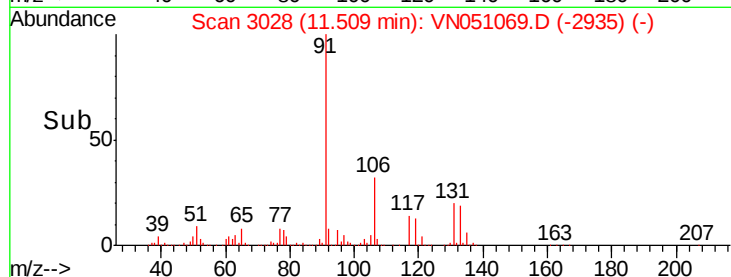
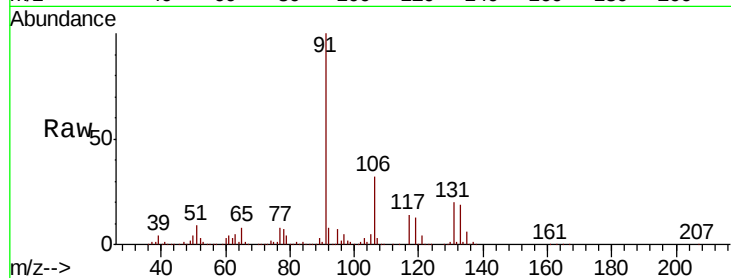




#67
Ethyl Benzene
Concen: 156.920 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

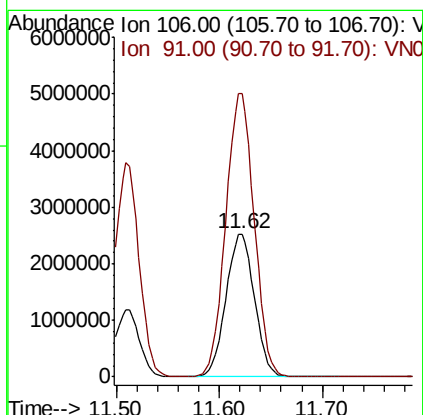
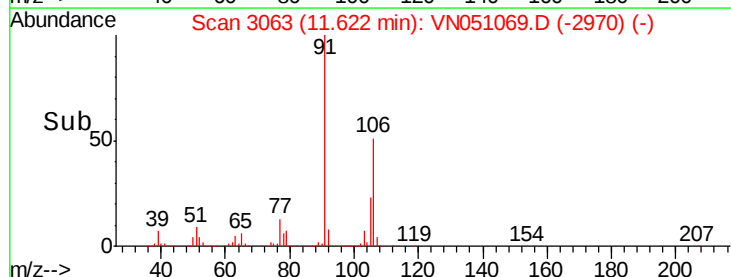
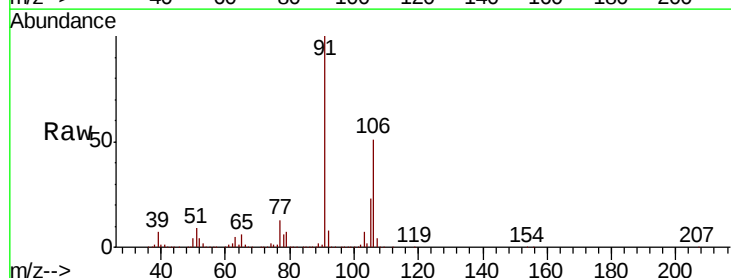
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

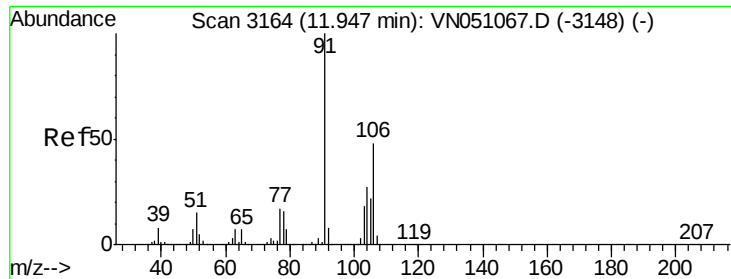
Tgt Ion: 91 Resp: 6220168
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 317.025 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 106 Resp: 4828319
Ion Ratio Lower Upper
106 100
91 198.8 159.8 239.6

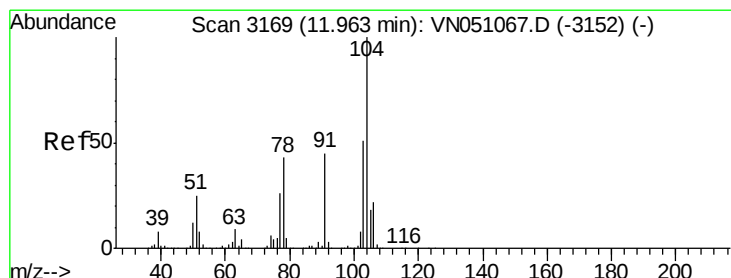
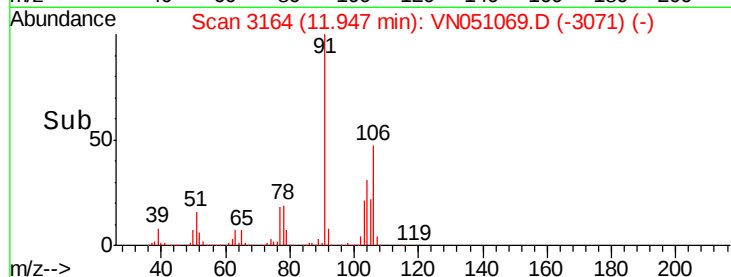
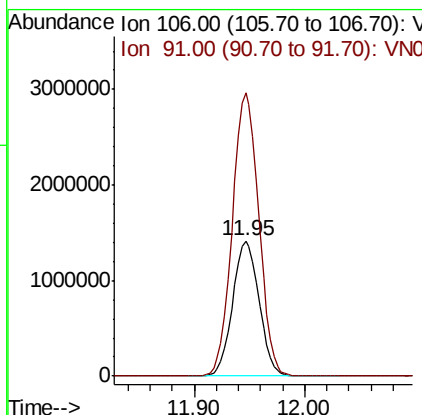
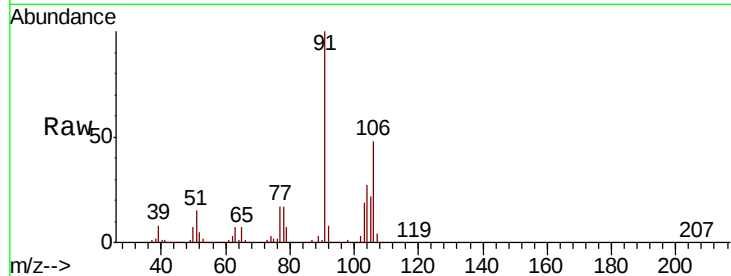




#69
o-Xylene
Concen: 159.058 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

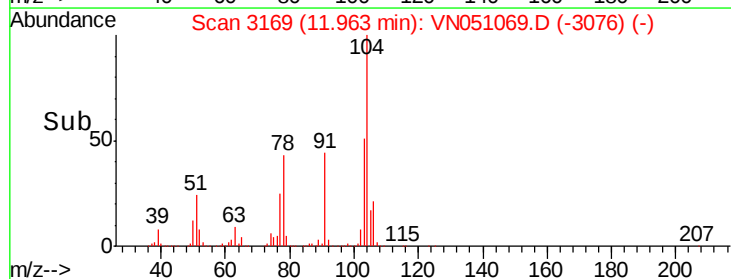
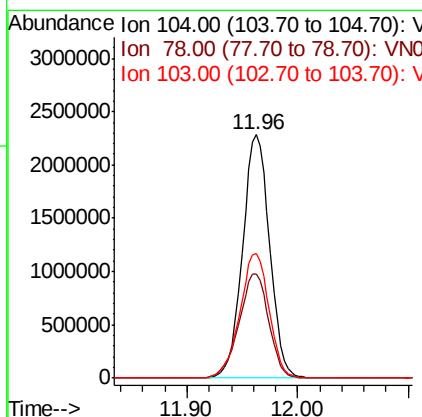
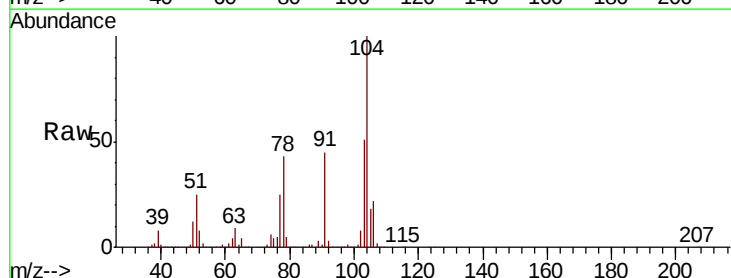
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

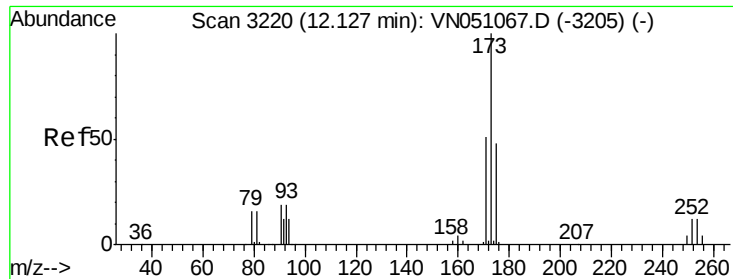
Tgt Ion:106 Resp: 2345830
Ion Ratio Lower Upper
106 100
91 210.0 105.1 315.1



#70
Styrene
Concen: 168.671 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion:104 Resp: 3858768
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 55.5 44.6 67.0





#71

Bromoform

Concen: 164.044 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

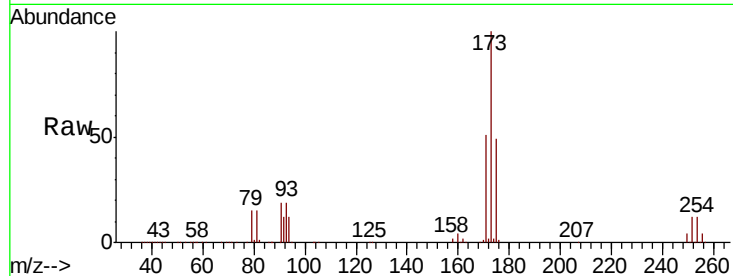
Tgt Ion:173 Resp: 1017821

Ion Ratio Lower Upper

173 100

175 49.2 24.3 72.9

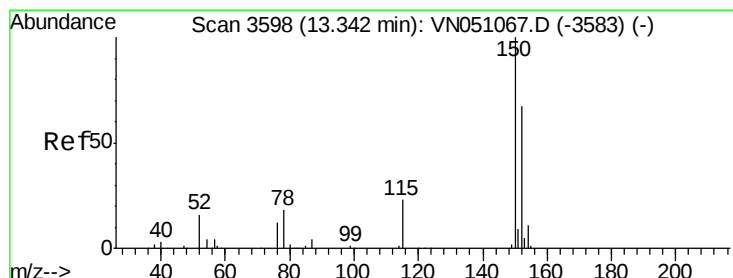
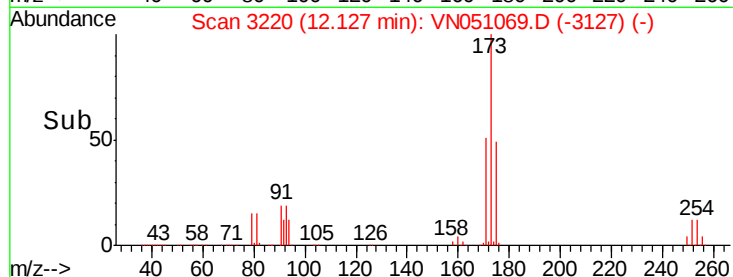
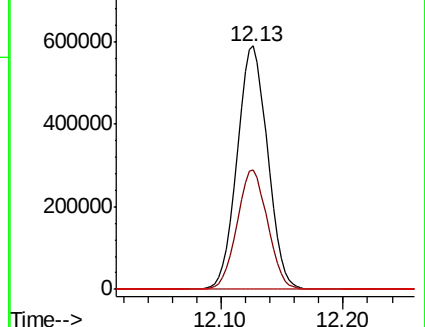
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

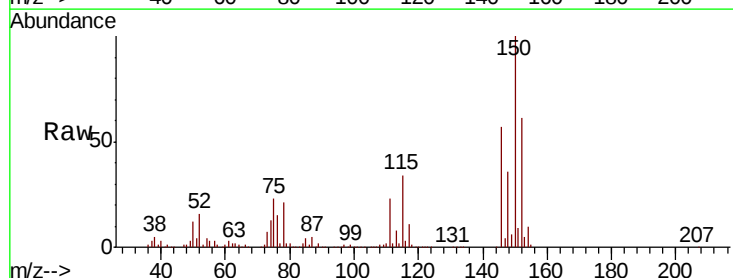
Tgt Ion:152 Resp: 525877

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

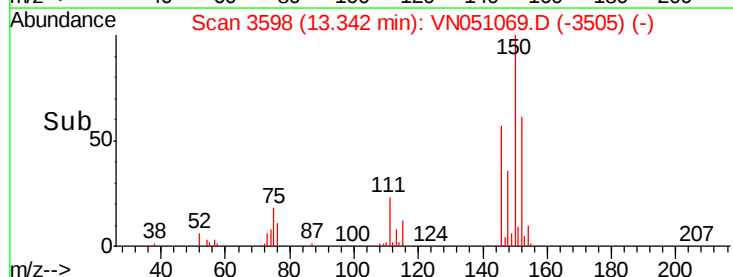
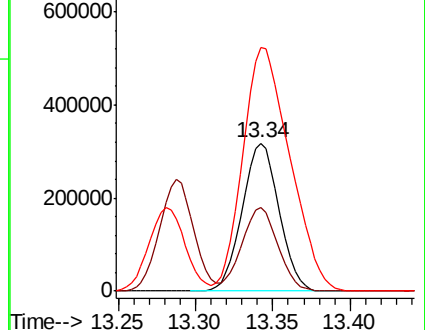
150 210.0 0.0 349.0

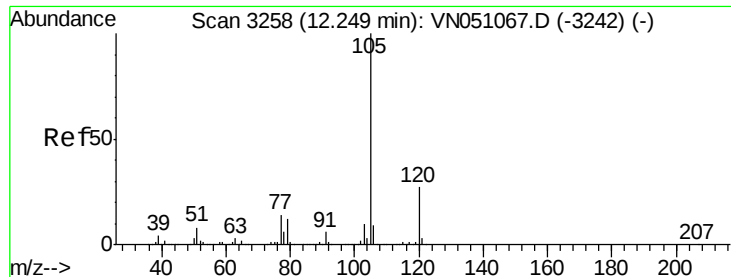


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 139.075 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

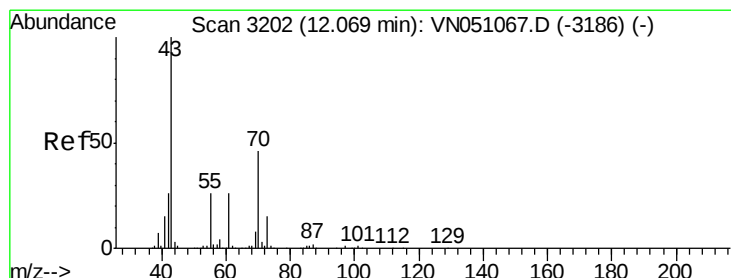
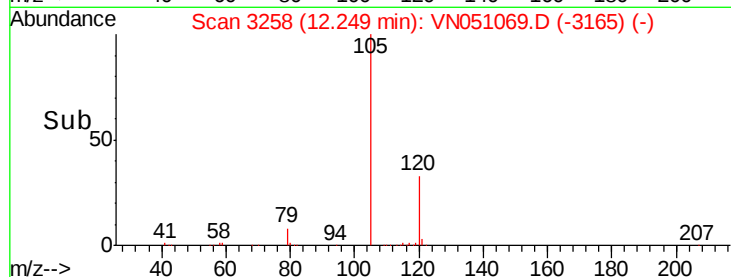
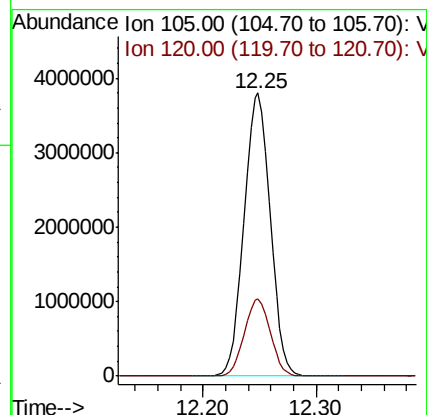
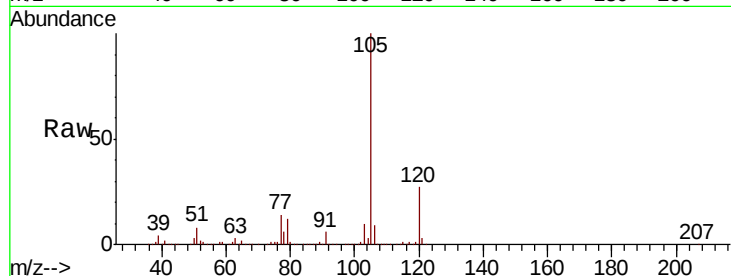
VSTDIC150

Tgt Ion:105 Resp: 6133416

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 155.091 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tgt Ion: 43 Resp: 1721298

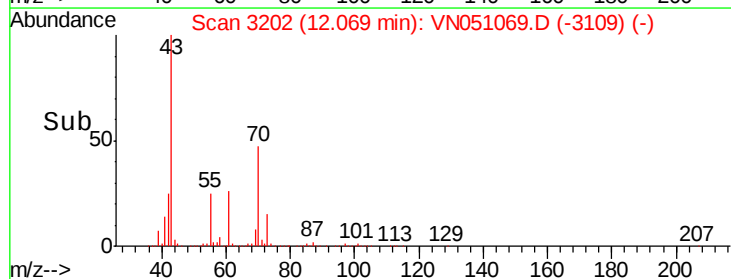
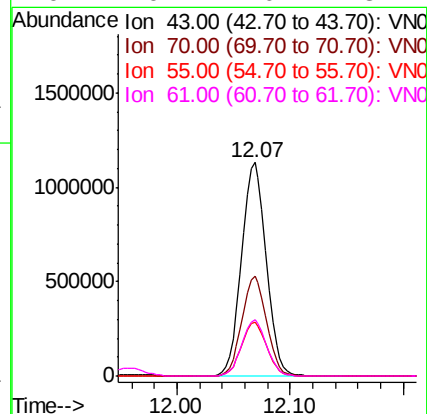
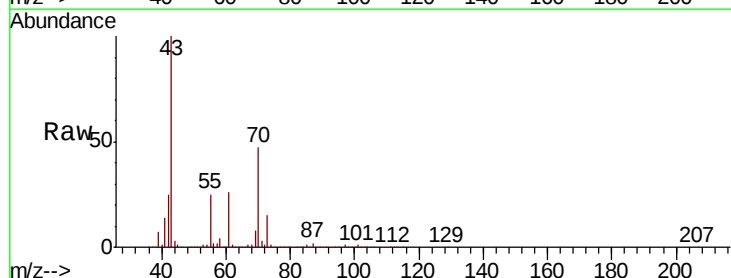
Ion Ratio Lower Upper

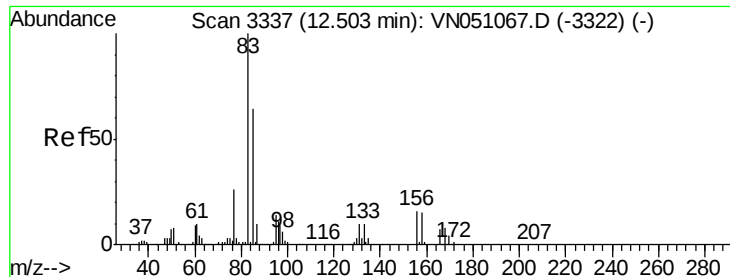
43 100

70 46.5 37.0 55.4

55 25.6 21.3 31.9

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 127.528 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

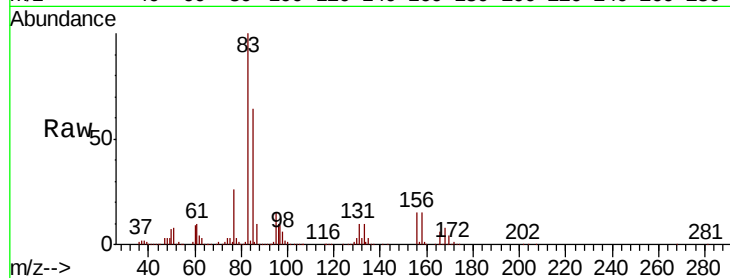
Tgt Ion: 83 Resp: 1497471

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN051069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051069.D (-3322) (-)

1200000

1000000

800000

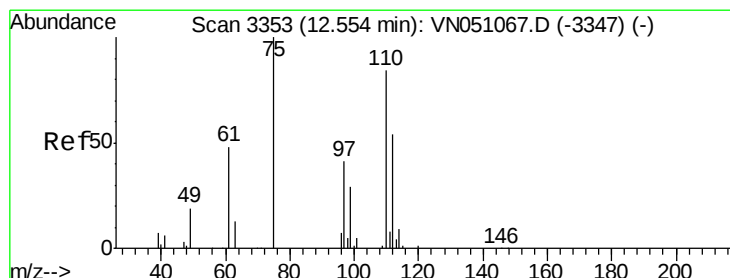
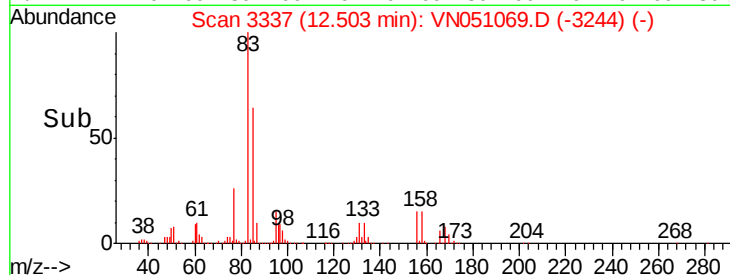
600000

400000

200000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 212.715 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051069.D

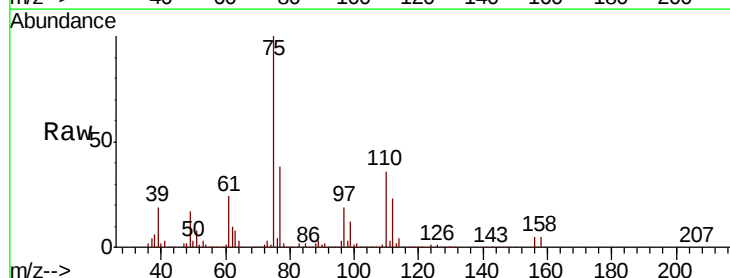
Acq: 10 Sep 2018 10:12

Tgt Ion: 75 Resp: 1860250

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051069.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051069.D (-3353) (-)

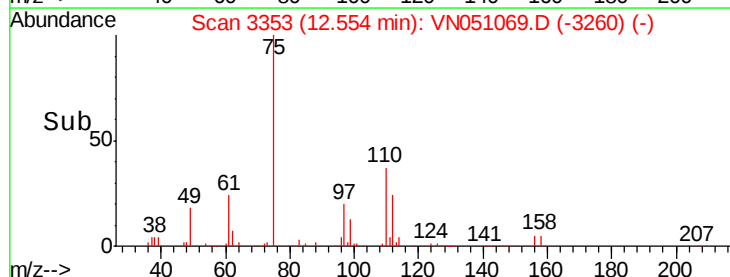
1500000

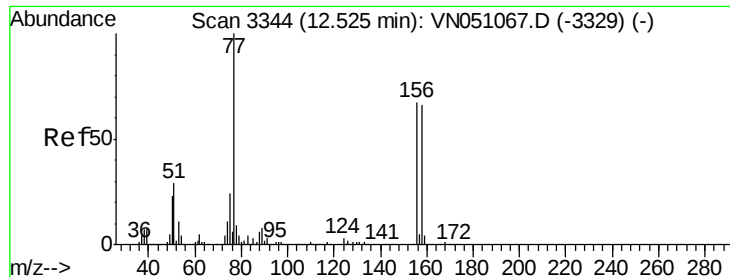
1000000

500000

0

Time-->





#77

Bromobenzene

Concen: 136.544 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

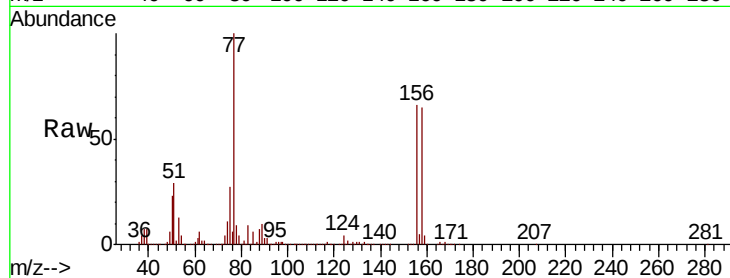
Tgt Ion:156 Resp: 1617414

Ion Ratio Lower Upper

156 100

77 175.5 87.5 262.6

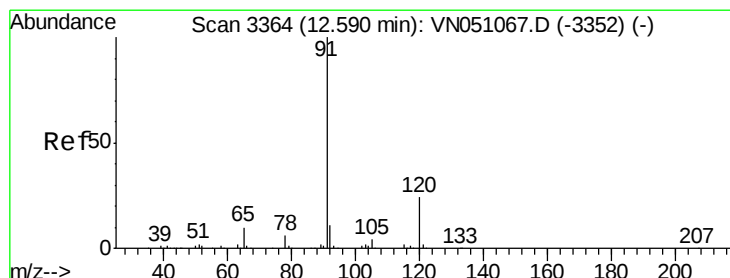
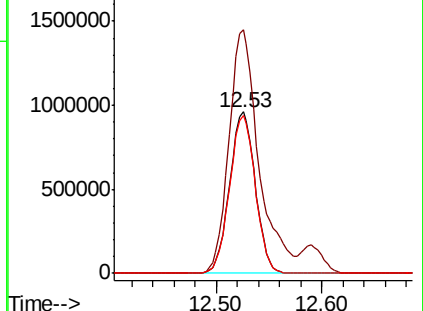
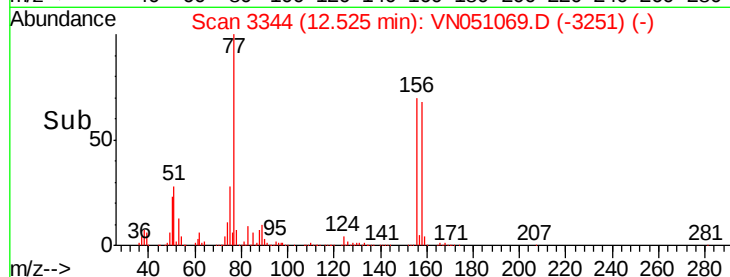
158 97.9 49.0 147.2



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: 144.722 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051069.D

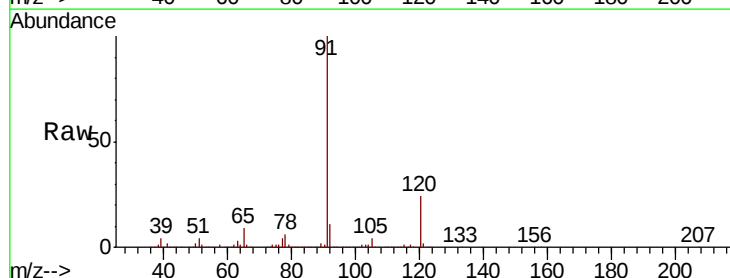
Acq: 10 Sep 2018 10:12

Tgt Ion: 91 Resp: 7015409

Ion Ratio Lower Upper

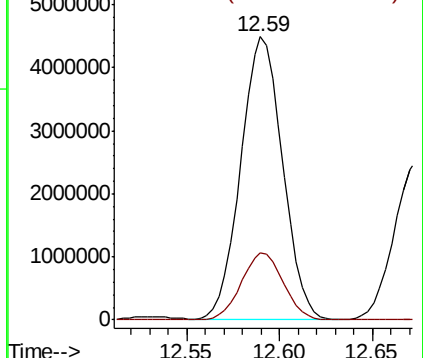
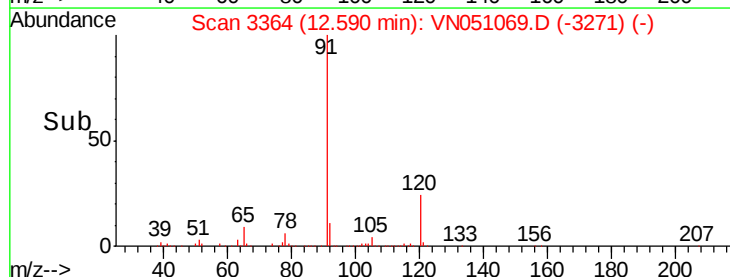
91 100

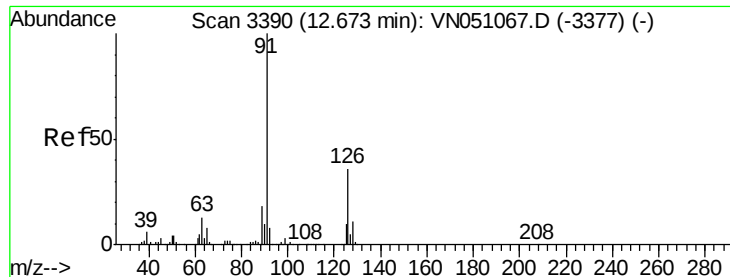
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 136.237 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

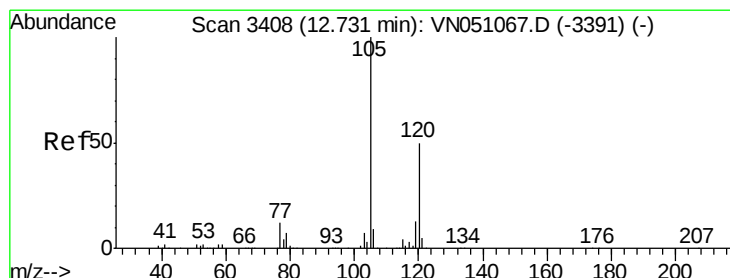
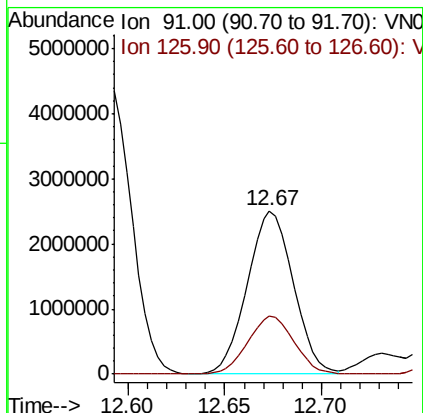
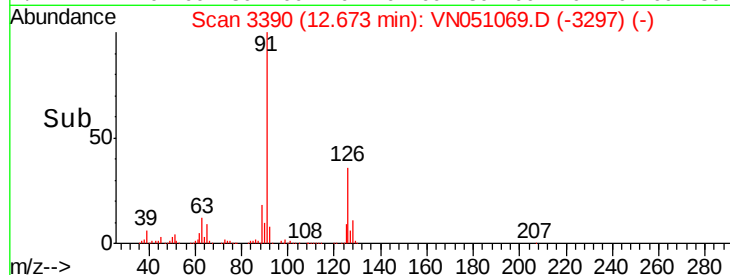
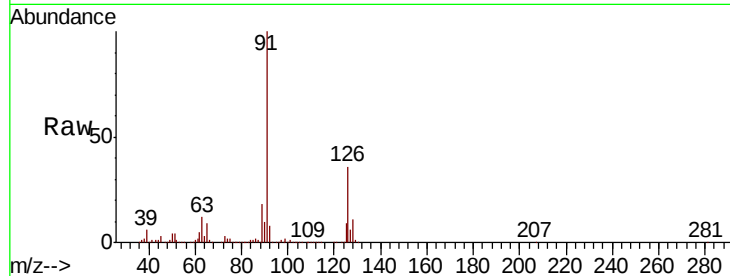
VSTDIC150

Tgt Ion: 91 Resp: 4127758

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 142.758 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051069.D

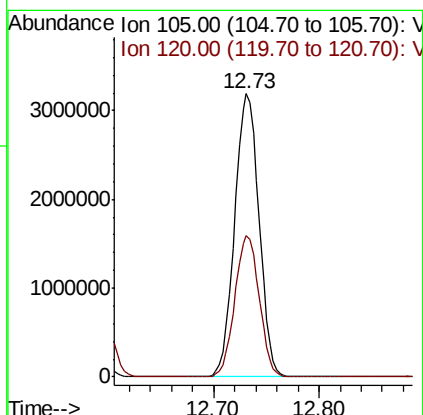
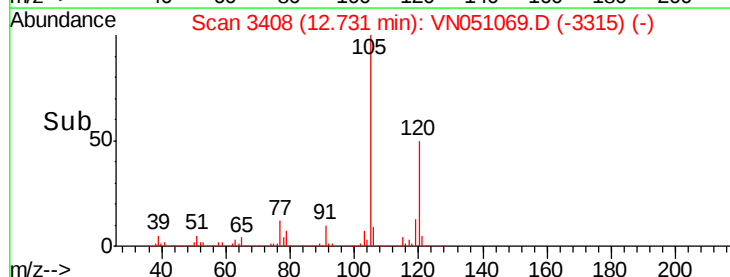
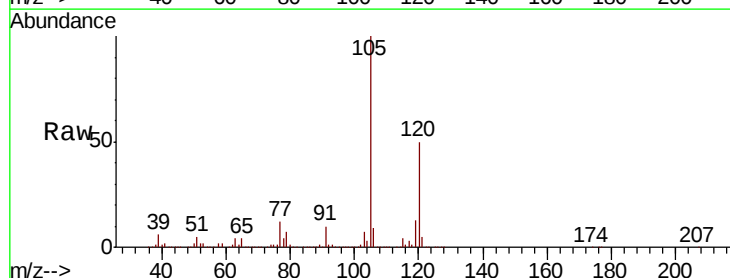
Acq: 10 Sep 2018 10:12

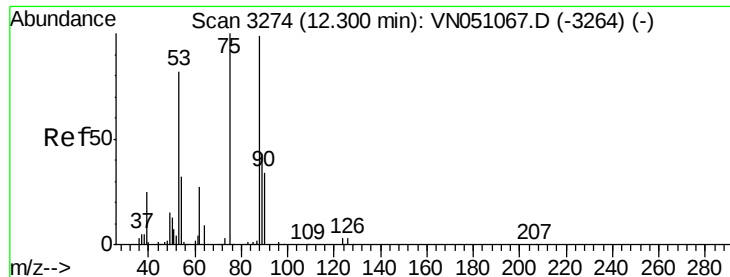
Tgt Ion: 105 Resp: 5090128

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 163.364 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

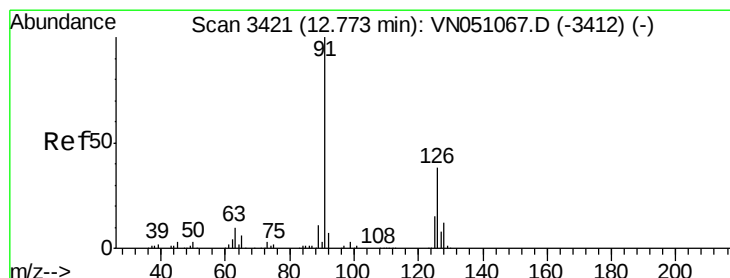
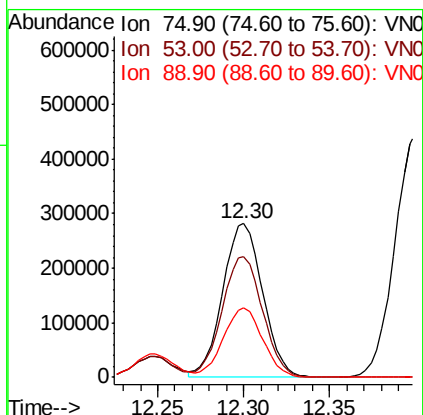
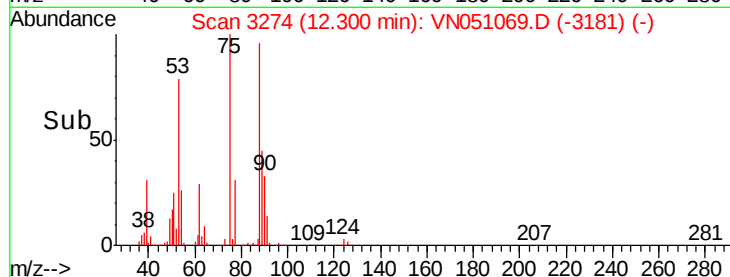
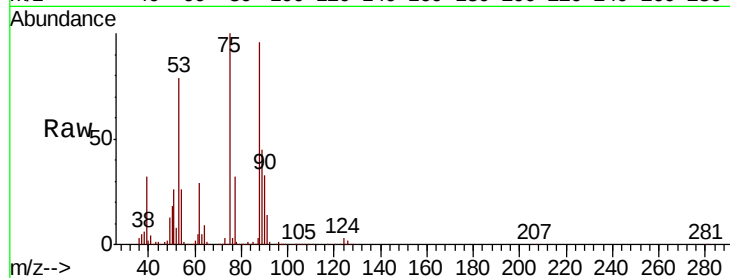
Tgt Ion: 75 Resp: 452353

Ion Ratio Lower Upper

75 100

53 80.6 67.8 101.8

89 45.1 36.0 54.0



#82

4-Chlorotoluene

Concen: 140.587 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051069.D

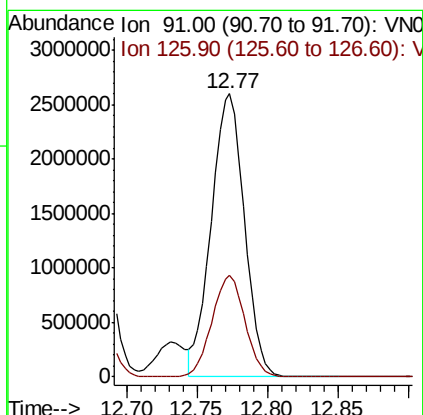
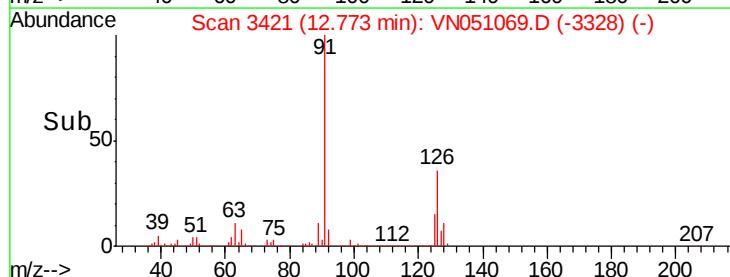
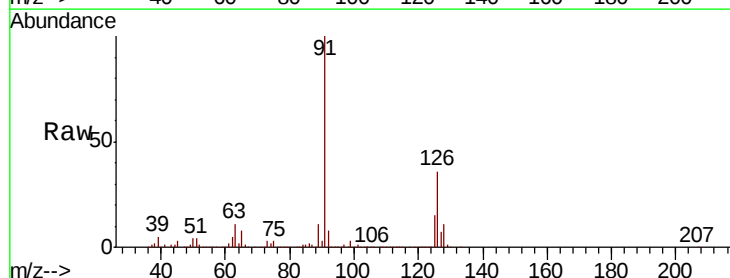
Acq: 10 Sep 2018 10:12

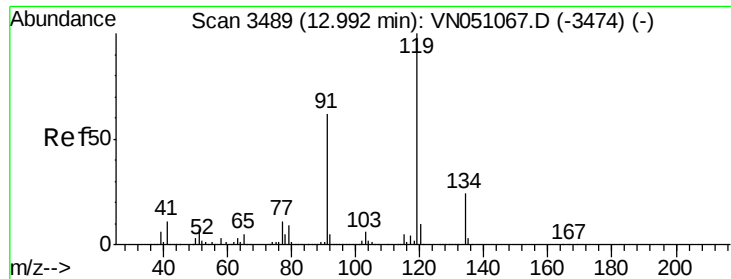
Tgt Ion: 91 Resp: 4228250

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8

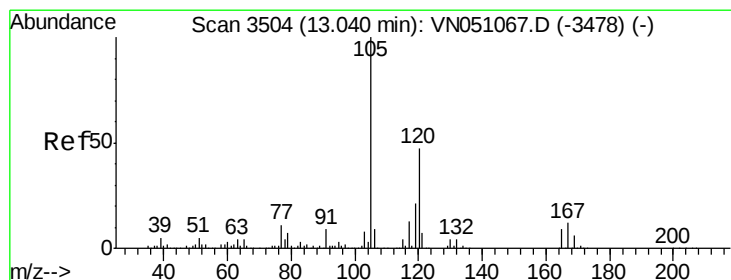
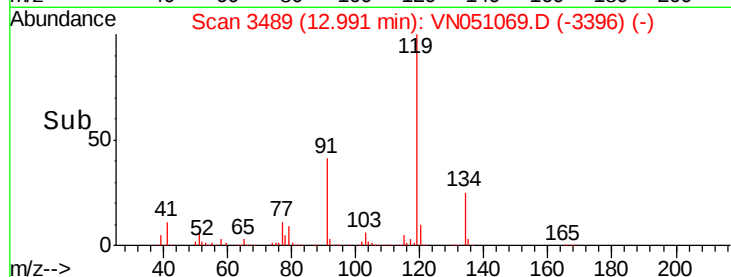
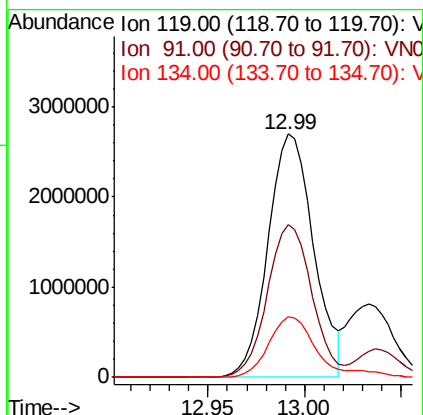
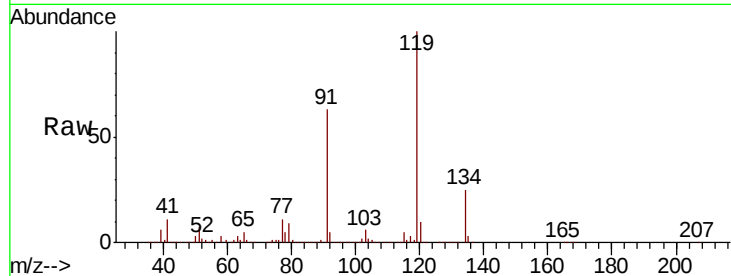




#83
 tert-Butylbenzene
 Concen: 140.750 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

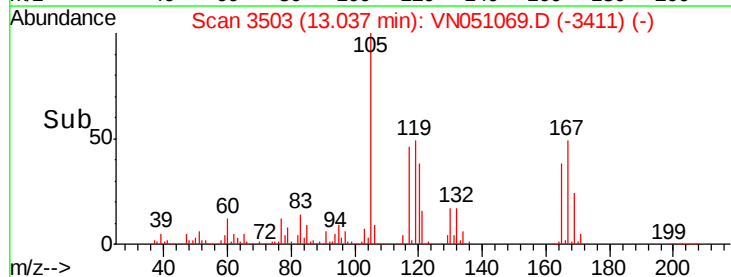
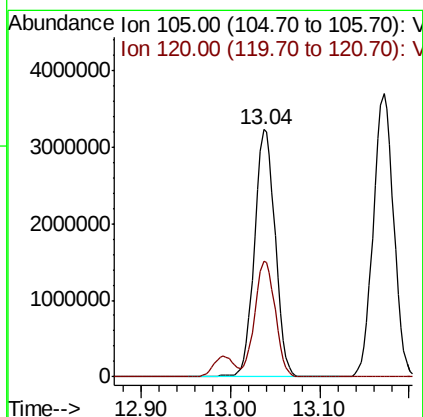
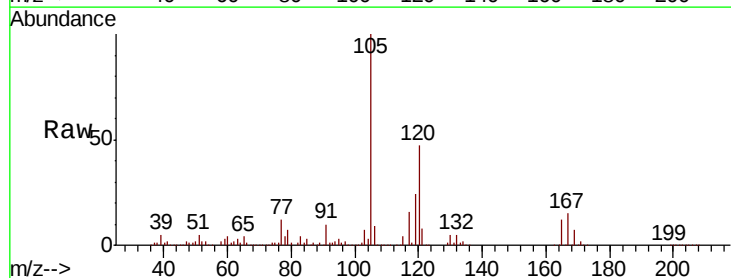
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

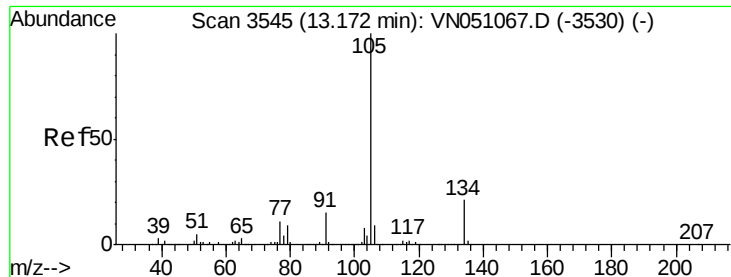
Tgt Ion:119 Resp: 4430360
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.8 92.3
 134 26.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 148.088 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion:105 Resp: 5191716
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.8

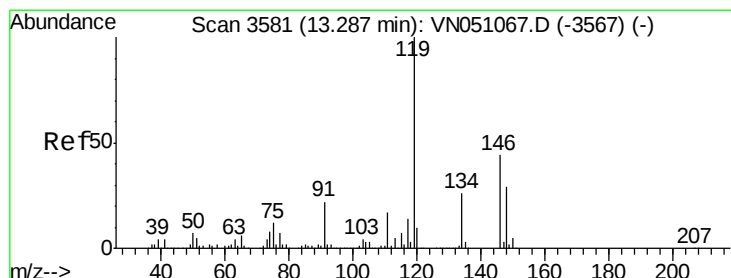
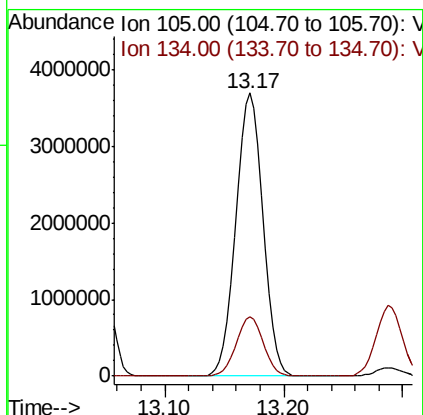
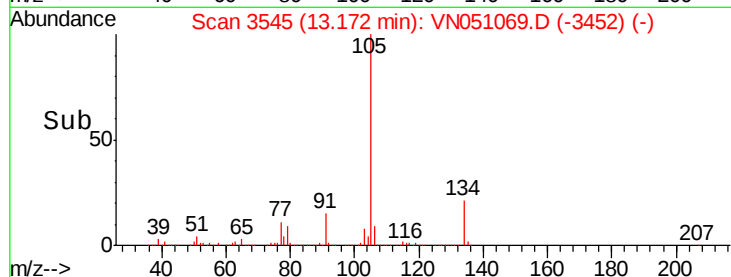
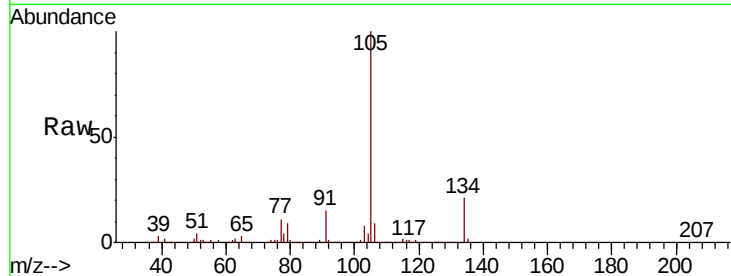




#85
 sec-Butylbenzene
 Concen: 144.296 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

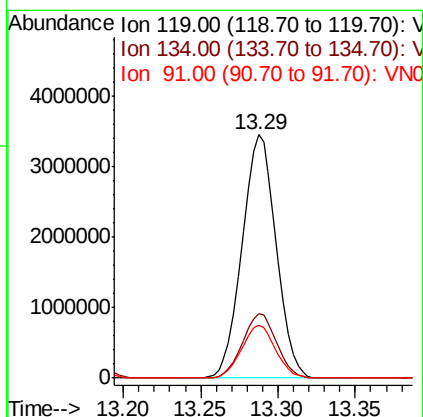
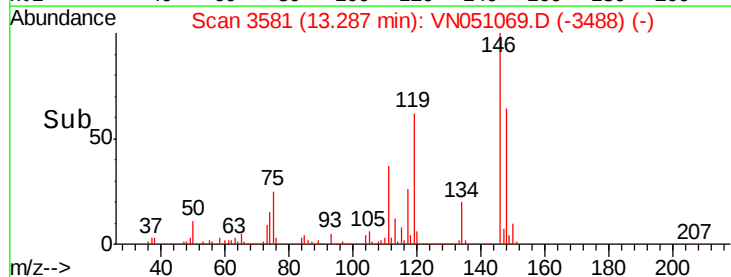
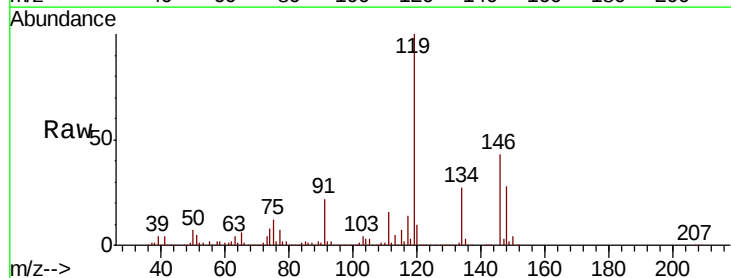
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

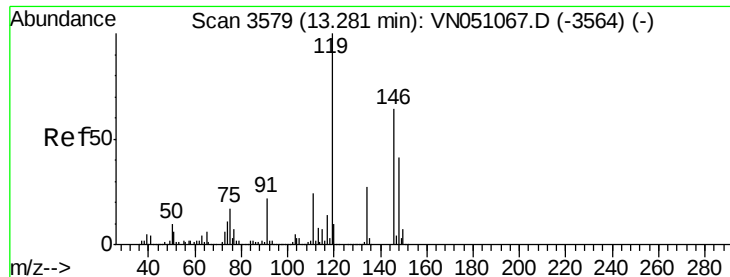
Tgt Ion:105 Resp: 5825162
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 153.701 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion:119 Resp: 5261036
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 140.614 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

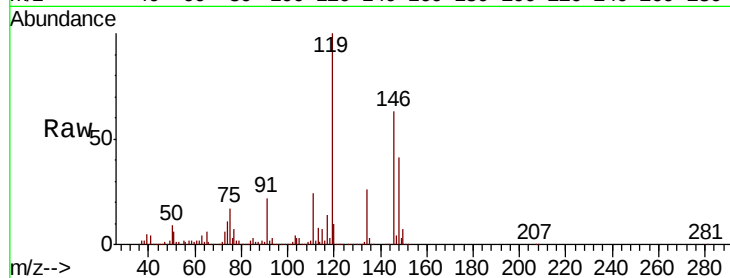
Tgt Ion:146 Resp: 2825892

Ion Ratio Lower Upper

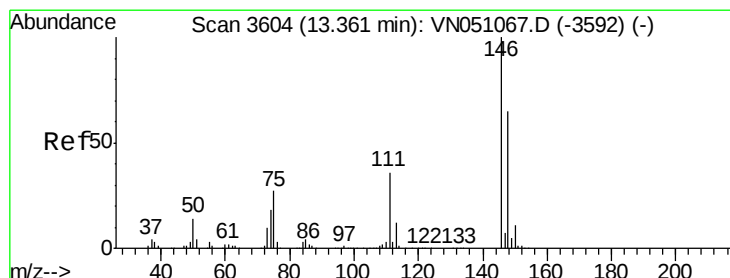
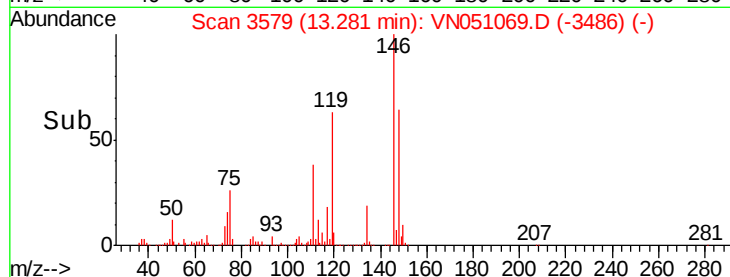
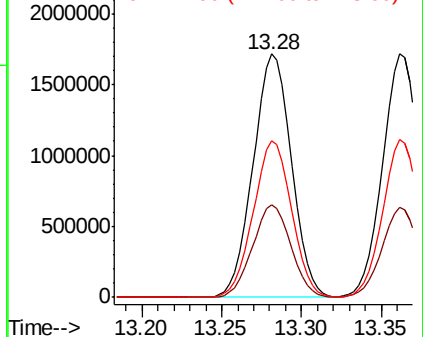
146 100

111 37.8 19.1 57.1

148 64.1 32.2 96.6



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: 140.426 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

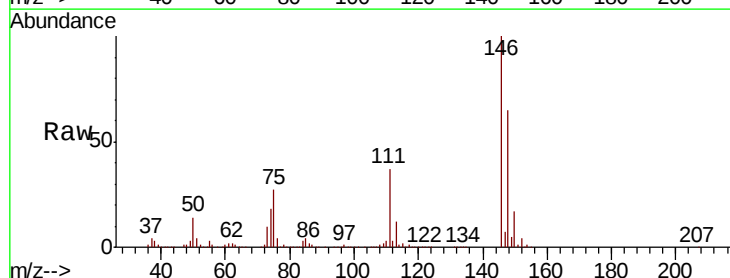
Tgt Ion:146 Resp: 2781430

Ion Ratio Lower Upper

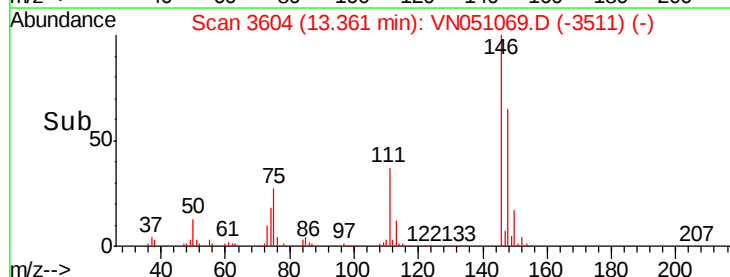
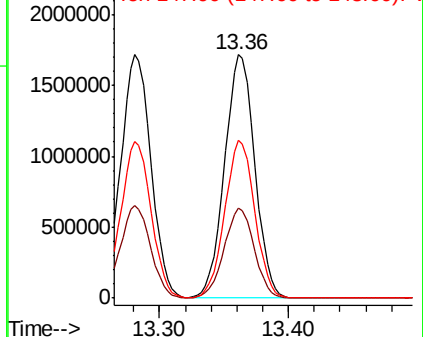
146 100

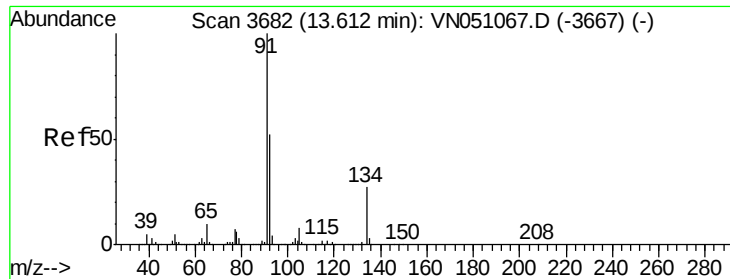
111 36.7 18.4 55.0

148 64.3 32.2 96.6



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

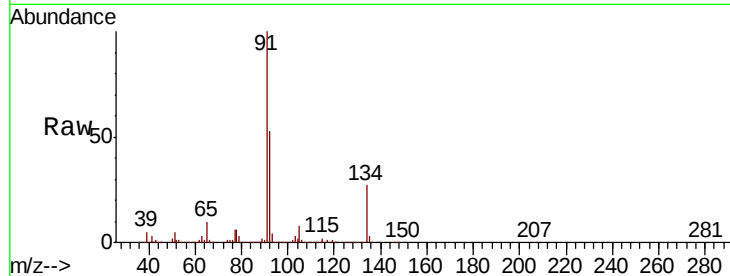




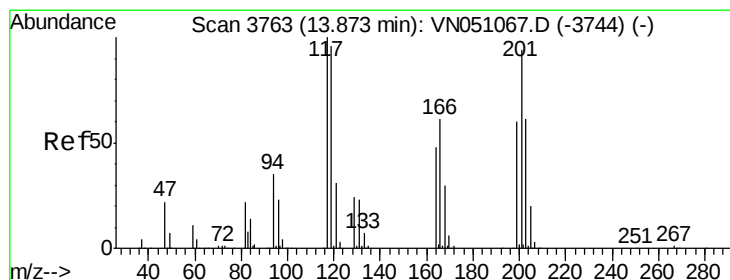
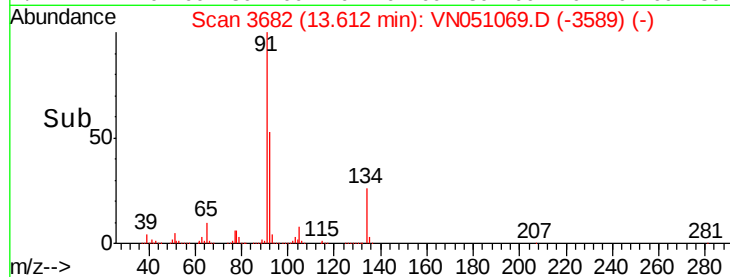
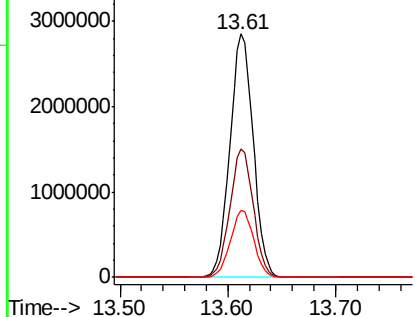
#89
n-Butylbenzene
Concen: 161.788 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 4310018
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 27.4 13.7 41.1

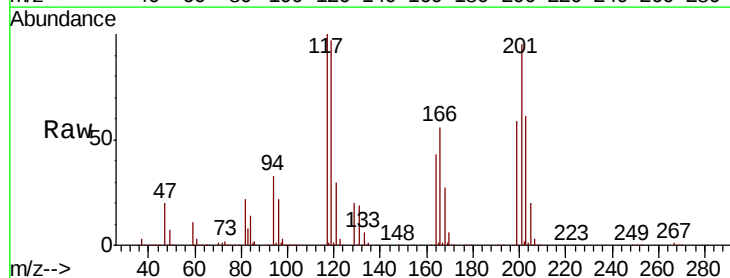


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)

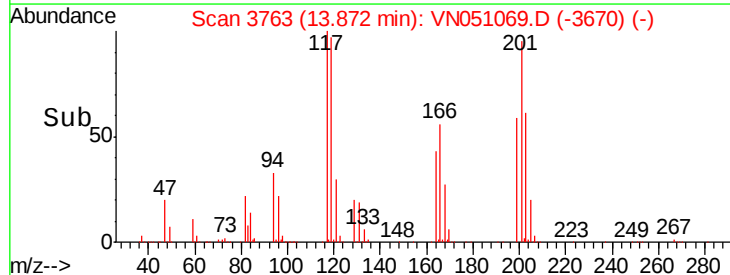
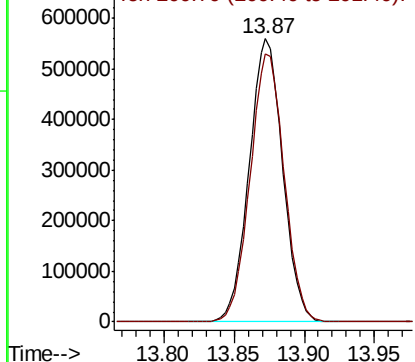


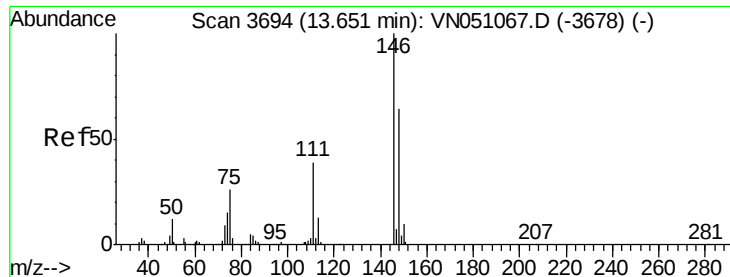
#90
Hexachloroethane
Concen: 133.261 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051069.D
Acq: 10 Sep 2018 10:12

Tgt Ion: 117 Resp: 932276
Ion Ratio Lower Upper
117 100
201 95.8 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)
Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

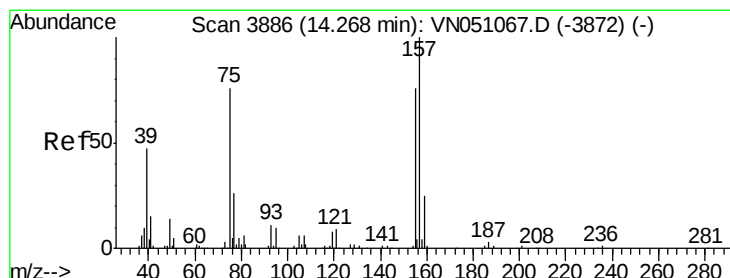
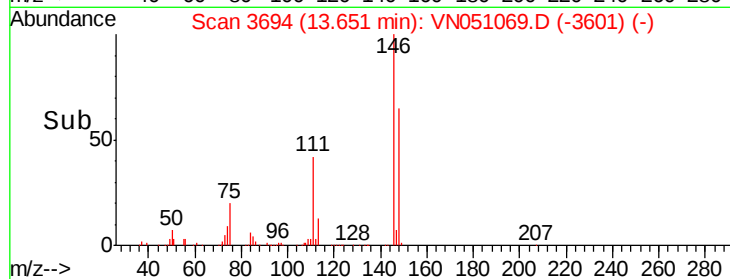
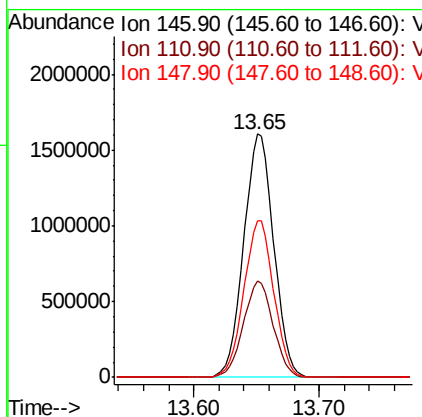
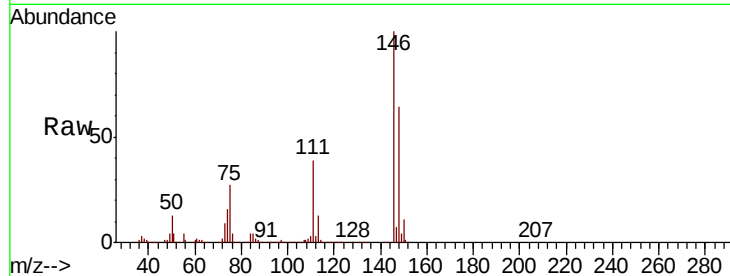




#91
 1,2-Dichlorobenzene
 Concen: 136.345 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

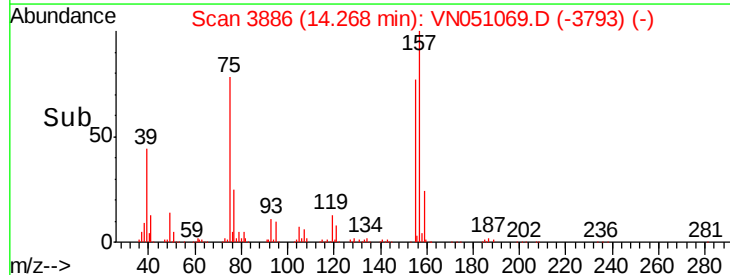
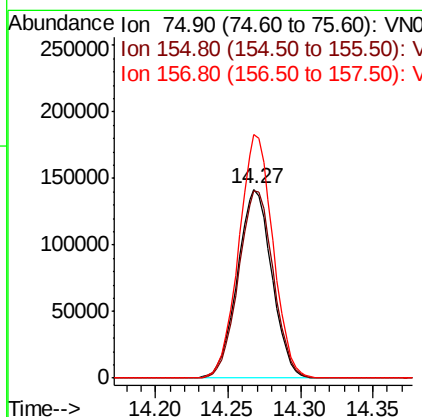
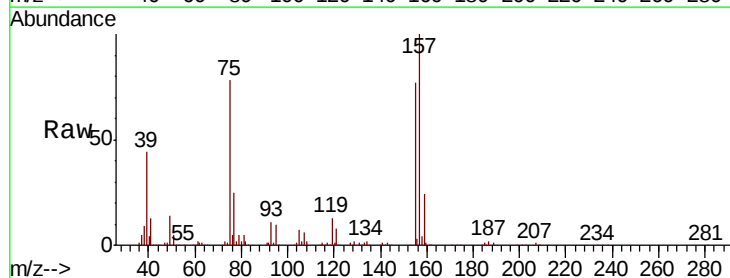
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

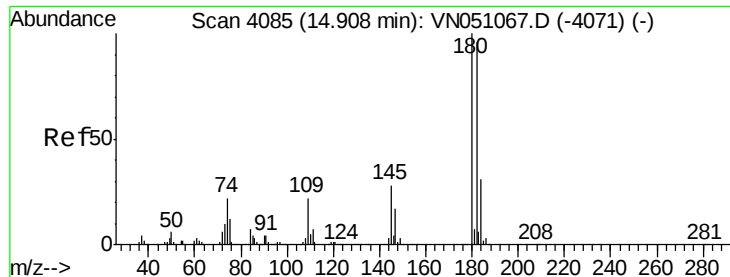
Tgt Ion:146 Resp: 2670058
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 64.3 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.903 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051069.D
 Acq: 10 Sep 2018 10:12

Tgt Ion: 75 Resp: 234609
 Ion Ratio Lower Upper
 75 100
 155 100.3 48.7 146.1
 157 127.6 63.6 190.9





#93

1,2,4-Trichlorobenzene

Concen: 182.901 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

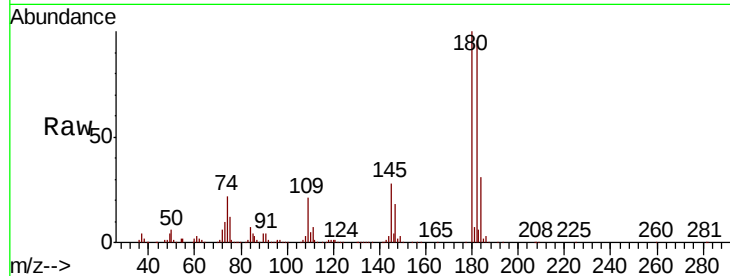
Tgt Ion:180 Resp: 1541955

Ion Ratio Lower Upper

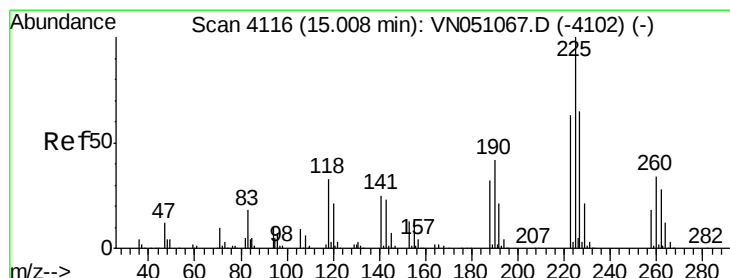
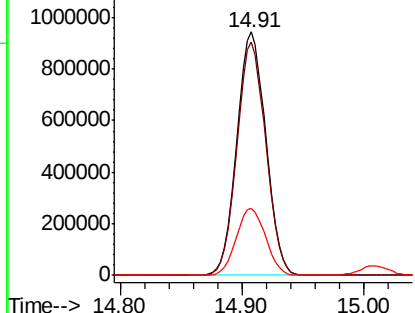
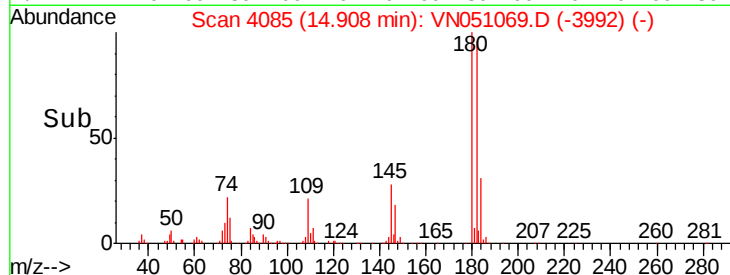
180 100

182 95.6 47.3 141.8

145 28.0 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 121.078 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

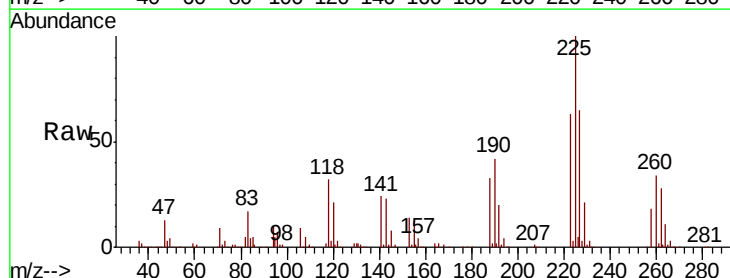
Tgt Ion:225 Resp: 835462

Ion Ratio Lower Upper

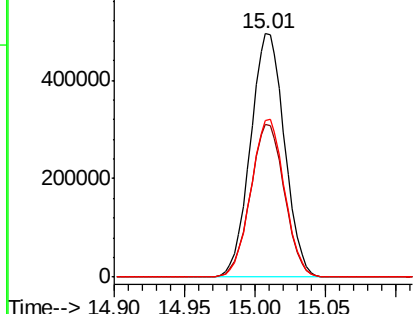
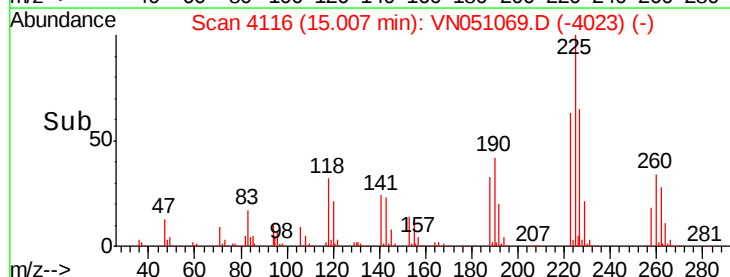
225 100

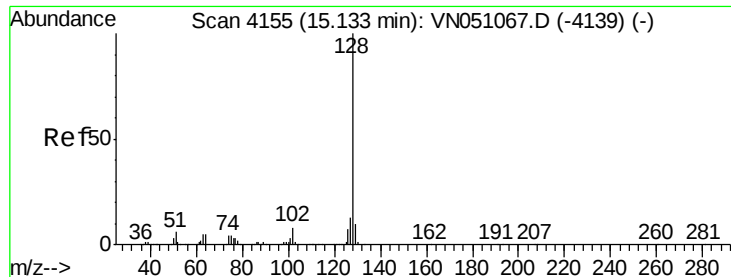
223 62.8 31.4 94.0

227 64.1 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 186.888 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Instrument :

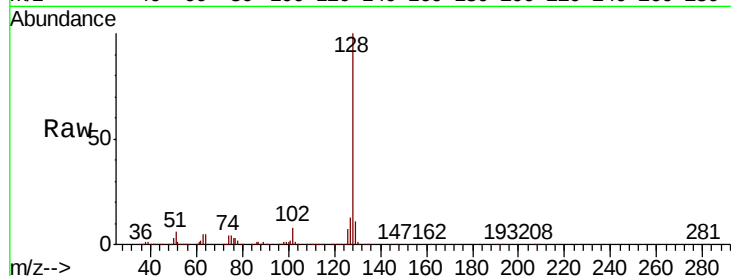
MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 3339231

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.6	12.8

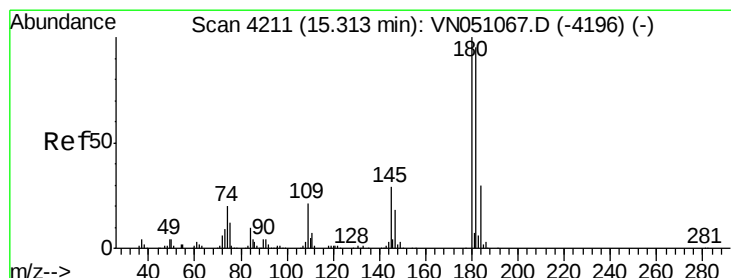
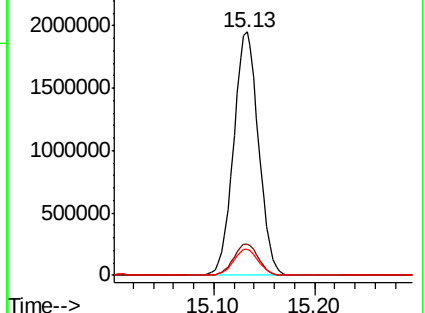
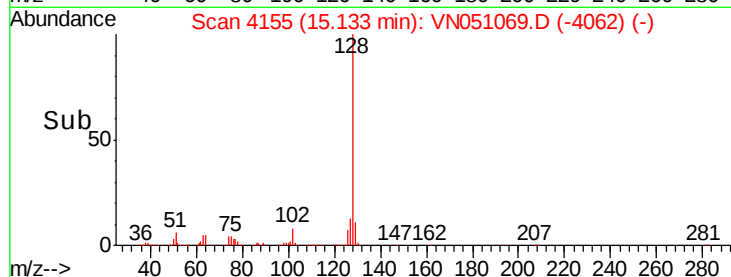


Abundance

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: 165.088 ug/l

RT: 15.31 min Scan# 4211

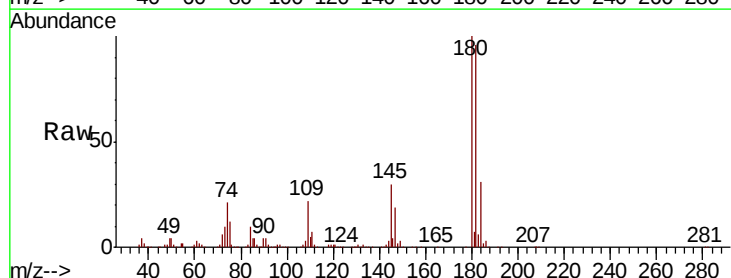
Delta R.T. -0.00 min

Lab File: VN051069.D

Acq: 10 Sep 2018 10:12

Tgt Ion:180 Resp: 1442459

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	29.9	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

