

Data File : VN050912.D
Acq On : 28 Aug 2018 14:18
Operator : MD\SY
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Quant Time: Aug 29 01:39:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	126048	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	685814	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	584860	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240880	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	12.40	95	254635	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	10.09	98	839630	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	164187	20.975	ug/l 100
3) Chloromethane	2.06	50	179915	19.464	ug/l 100
4) Vinyl Chloride	2.18	62	181700	19.895	ug/l 99
5) Bromomethane	2.56	94	111569	20.041	ug/l 99
6) Chloroethane	2.70	64	104655	19.427	ug/l 97
7) Trichlorofluoromethane	3.01	101	249198	20.582	ug/l 100
8) Diethyl Ether	3.41	74	86161	20.184	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	155822	20.782	ug/l 99
10) 1,1-Dichloroethene	3.73	96	140422	20.617	ug/l 98
11) Methyl Iodide	3.95	142	117013	18.414	ug/l 99
12) Methyl Acetate	4.33	43	159933	20.307	ug/l 97
13) Acrolein	3.61	56	14931	85.617	ug/l 97
14) Acrylonitrile	5.00	53	254136	95.438	ug/l 97
15) Acetone	3.82	58	62775	92.127	ug/l 96
16) Carbon Disulfide	4.05	76	428838	20.940	ug/l 100
17) Allyl chloride	4.32	41	213900	19.960	ug/l 98
18) Methylene Chloride	4.55	84	156121	19.529	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	151235	20.841	ug/l 94
20) Diisopropyl ether	5.96	45	458418	20.607	ug/l 96
21) 1,1-Dichloroethane	5.85	63	269156	19.734	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	163301	19.922	ug/l 98
23) tert-Butyl Alcohol	4.79	59	55645	98.261	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	378780	20.333	ug/l 100
25) Chloroform	7.37	83	272425	20.012	ug/l 99
26) Cyclohexane	7.65	56	231464	20.483	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	206055	20.069	ug/l 97
30) 2-Butanone	6.84	43	284013	89.919	ug/l 100
31) 2,2-Dichloropropane	6.83	77	207834	20.803	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	233208	20.030	ug/l 99
33) Carbon Tetrachloride	7.77	117	206458	19.691	ug/l 97
34) Benzene	8.04	78	625033	19.678	ug/l 99
35) Methacrylonitrile	7.18	41	66038	19.083	ug/l 98
36) 1,2-Dichloroethane	8.12	62	189229	19.699	ug/l 99
37) Trichloroethene	8.84	130	165501	19.936	ug/l 96
38) Methylcyclohexane	9.08	83	221894	20.122	ug/l 99
39) 1,2-Dichloropropane	9.12	63	163019	19.651	ug/l 97
40) Dibromomethane	9.21	93	96598	19.331	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	202397	19.214	ug/l	98
42) Vinyl Acetate	5.90	43	1408395	96.807	ug/l	99
43) Ethyl Acetate	6.93	43	112976	17.460	ug/l	94
44) Isopropyl Acetate	8.17	43	217803	19.076	ug/l	99
45) 1,4-Dioxane	9.20	88	30343	357.755	ug/l	98
46) Methyl methacrylate	9.20	41	105351	18.423	ug/l	99
47) n-amyl Acetate	12.07	43	161846	17.631	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	193627	18.752	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	230289	19.415	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	139281	19.183	ug/l	98
51) Ethyl methacrylate	10.43	69	161735	18.206	ug/l	99
52) 1,3-Dichloropropane	10.71	76	230003	19.124	ug/l	99
53) Dibromochloromethane	10.90	129	153058	18.539	ug/l	100
54) 1,2-Dibromoethane	11.01	107	133476	18.591	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	330853	89.509	ug/l	99
56) Bromoform	12.13	173	105737	18.007	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	630356	94.199	ug/l	99
59) 2-Hexanone	10.75	43	399469	91.328	ug/l	99
61) Tetrachloroethene	10.63	164	149416	20.502	ug/l	99
62) Toluene	10.16	91	655698	20.096	ug/l	100
64) Chlorobenzene	11.44	112	401773	19.868	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	154534	20.240	ug/l	99
66) Ethyl Benzene	11.51	91	659632	19.517	ug/l	99
67) m/p-Xylenes	11.62	106	516470	39.716	ug/l	99
68) o-Xylene	11.95	106	246310	19.823	ug/l	100
69) Styrene	11.97	104	384856	19.481	ug/l	100
70) Isopropylbenzene	12.25	105	664795	20.135	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	170923	19.120	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	193805	25.129	ug/l	97
73) Bromobenzene	12.53	156	167758	19.311	ug/l	99
74) n-propylbenzene	12.59	91	741972	19.877	ug/l	100
75) 2-Chlorotoluene	12.68	91	449545	19.823	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	540493	20.032	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38205	17.388	ug/l	99
78) 4-Chlorotoluene	12.77	91	437476	19.592	ug/l	99
79) tert-butylbenzene	12.99	119	466046	19.889	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	539541	20.056	ug/l	100
81) sec-Butylbenzene	13.17	105	613535	20.011	ug/l	100
82) p-Isopropyltoluene	13.29	119	525148	19.844	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	286665	19.518	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	273390	19.646	ug/l	99
85) n-Butylbenzene	13.62	91	393003	19.463	ug/l	100
86) Hexachloroethane	13.88	117	99195	19.528	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	284059	19.649	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23857	19.076	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	127895	19.873	ug/l	99
90) Hexachlorobutadiene	15.01	225	99121	22.669	ug/l	99
91) Naphthalene	15.14	128	274589	22.226	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	136621	21.155	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082818\
Quantitation Report (Not Reviewed)

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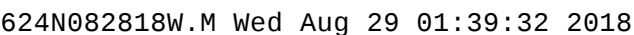
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Quant Time: Aug 29 01:39:17 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Aug 29 01:39:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_N\METHODS\624N082818W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

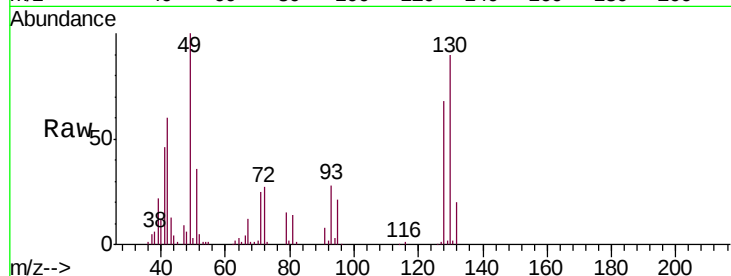
Tgt Ion:128 Resp: 126048

Ion Ratio Lower Upper

128 100

49 148.0 0.0 380.3

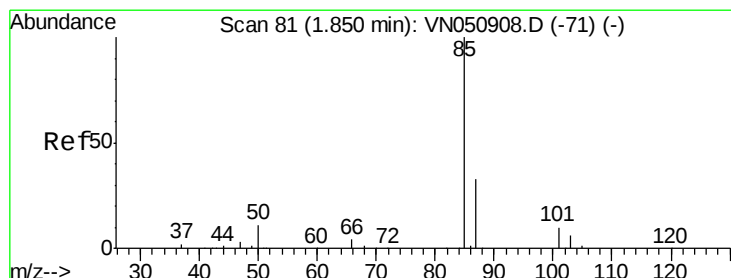
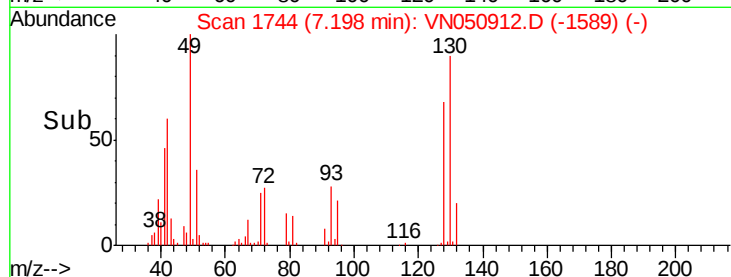
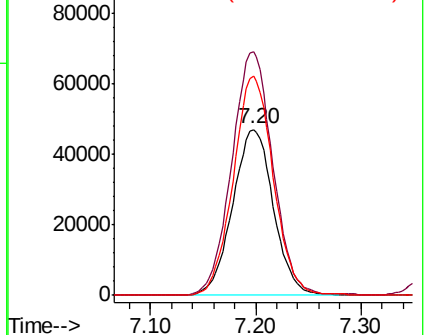
130 130.2 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.975 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050912.D

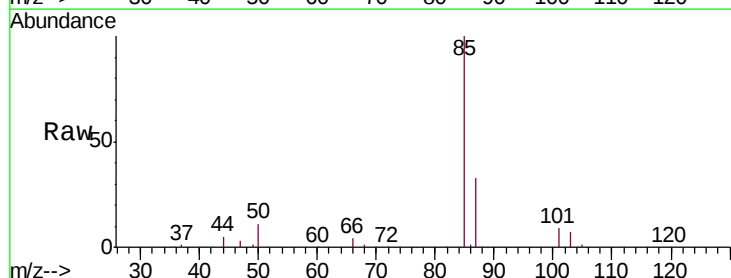
Acq: 28 Aug 2018 14:18

Tgt Ion: 85 Resp: 164187

Ion Ratio Lower Upper

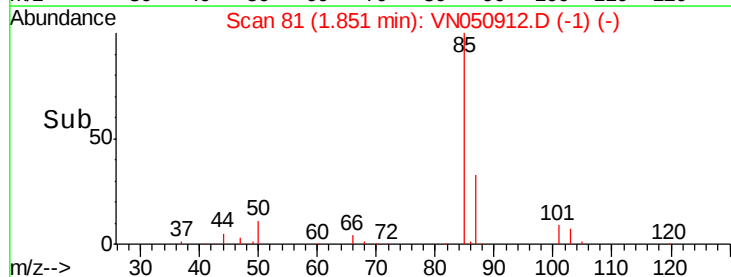
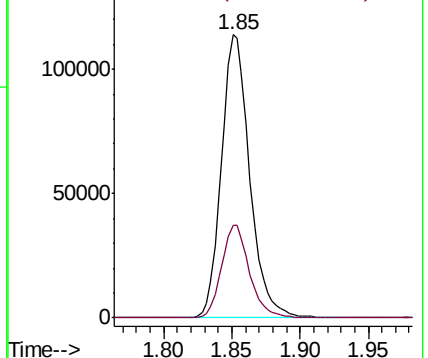
85 100

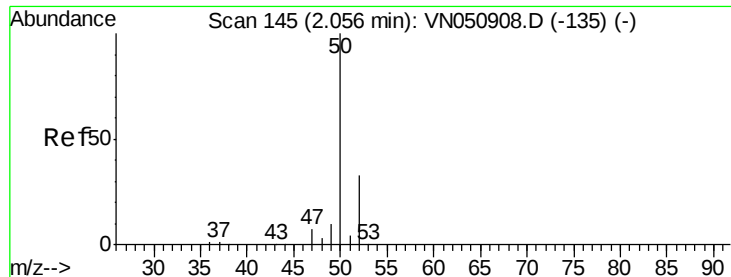
87 32.7 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.464 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

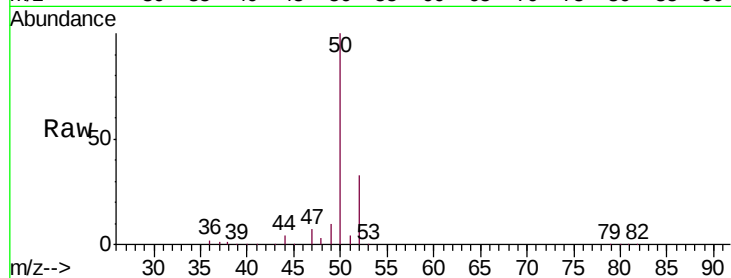
VSTDICV020

Tgt Ion: 50 Resp: 179915

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

2.06

150000

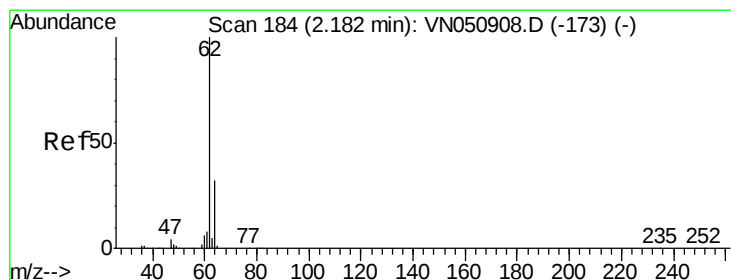
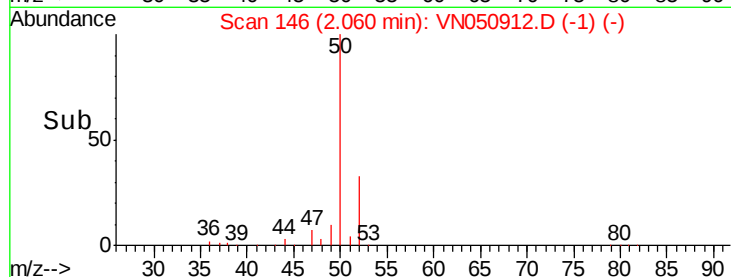
100000

50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.895 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050912.D

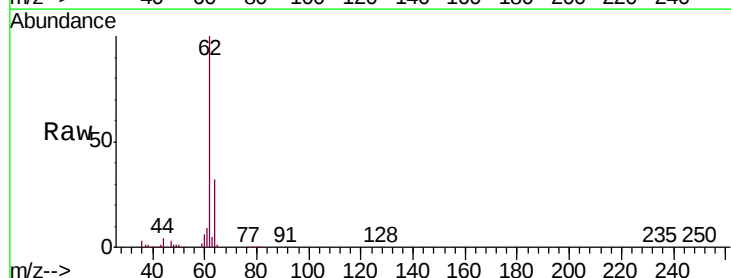
Acq: 28 Aug 2018 14:18

Tgt Ion: 62 Resp: 181700

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO

2.18

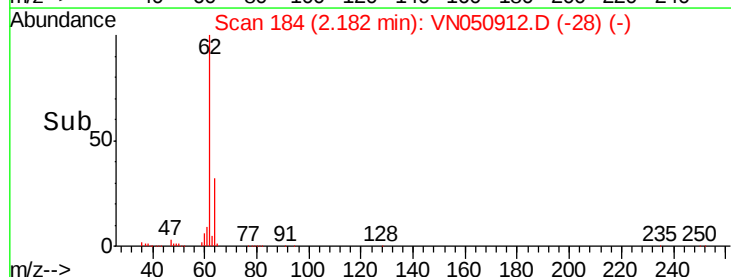
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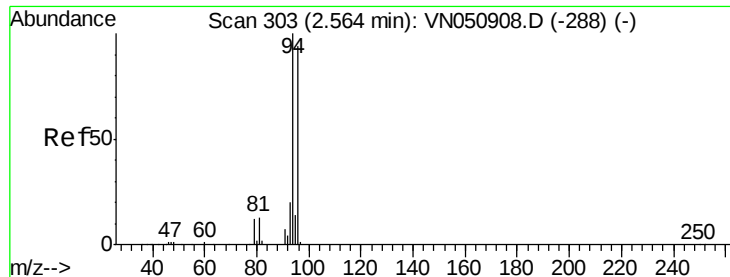
50000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.041 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

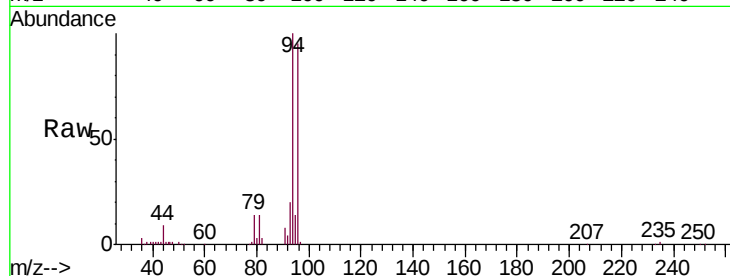
VSTDICV020

Tgt Ion: 94 Resp: 111569

Ion Ratio Lower Upper

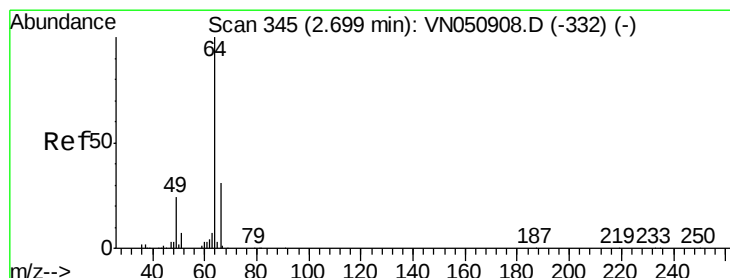
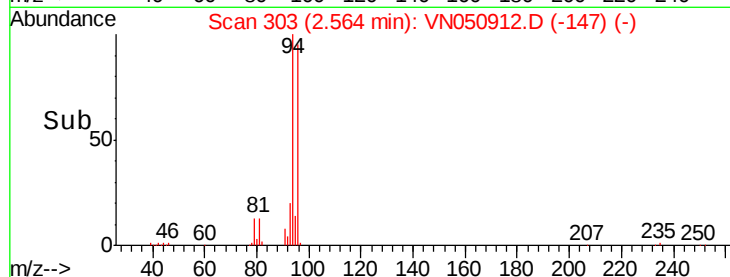
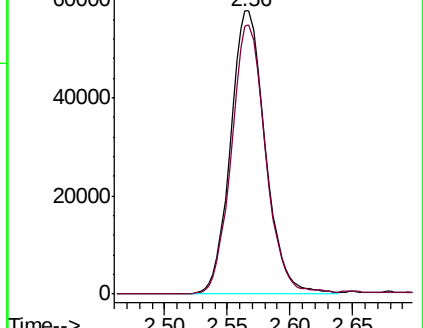
94 100

96 94.7 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN050908.D (-288) (-)

Ion 96.00 (95.70 to 96.70): VN050908.D (-288) (-)



#6

Chloroethane

Concen: 19.427 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050912.D

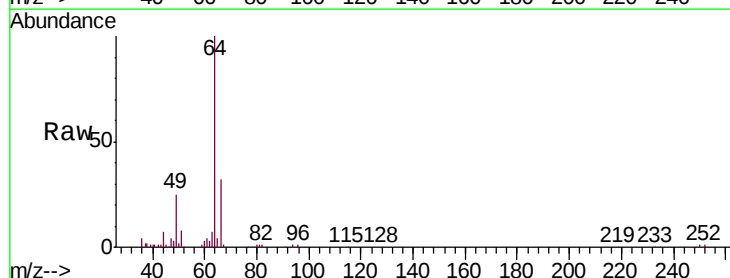
Acq: 28 Aug 2018 14:18

Tgt Ion: 64 Resp: 104655

Ion Ratio Lower Upper

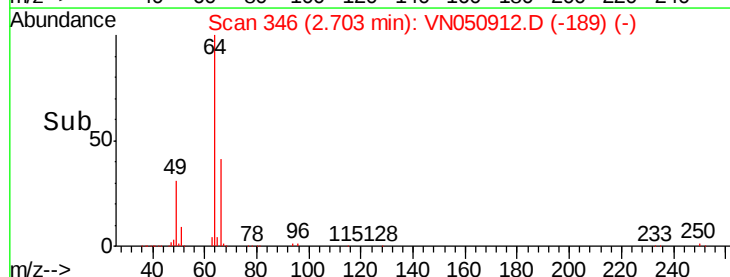
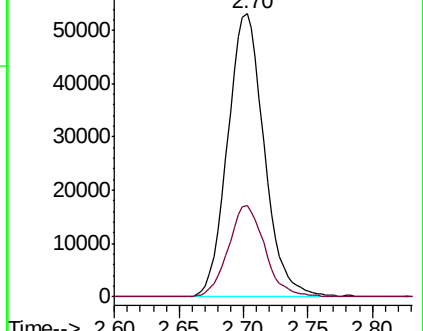
64 100

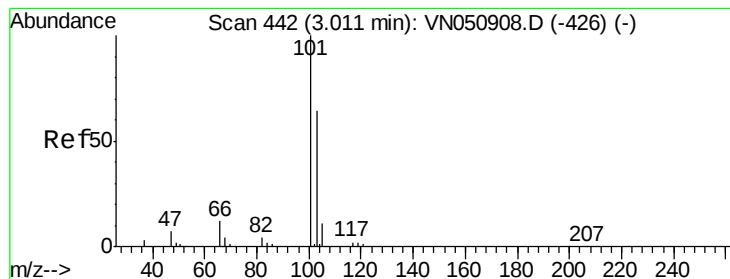
66 32.1 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN050908.D (-332) (-)

Ion 66.00 (65.70 to 66.70): VN050908.D (-332) (-)



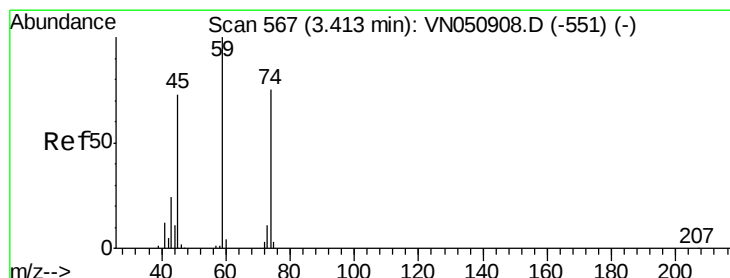
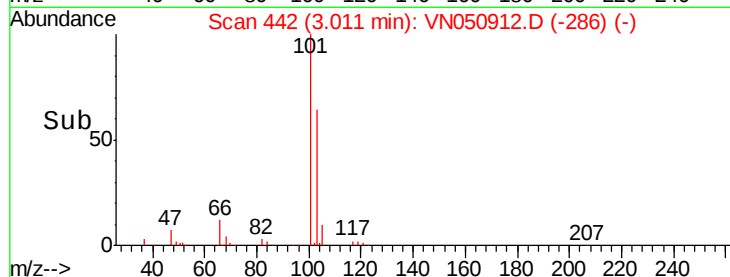
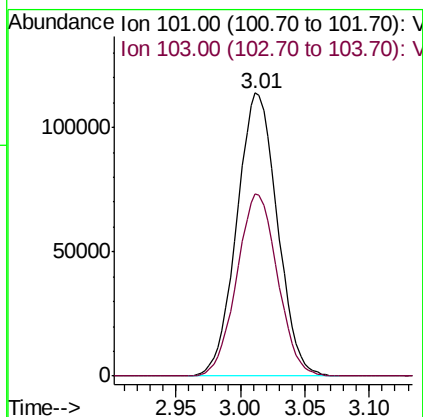
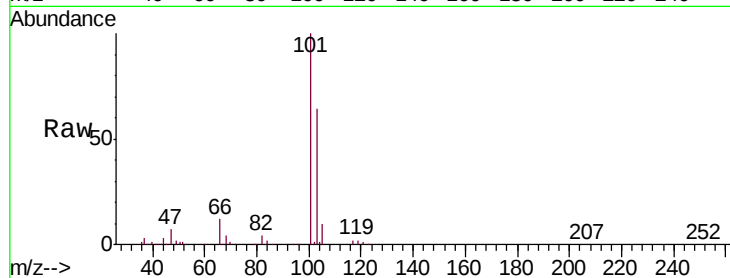


#7

Trichlorofluoromethane
 Concen: 20.582 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050912.D
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Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICV020

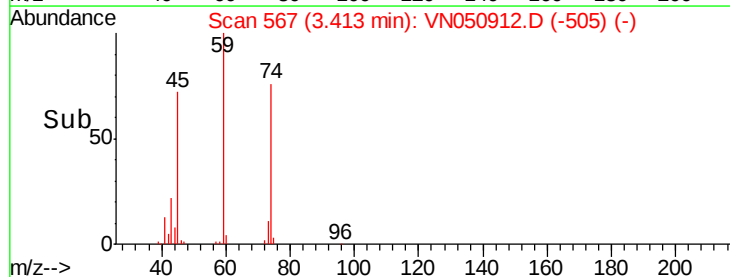
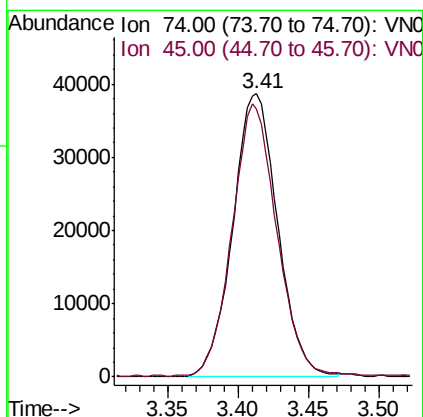
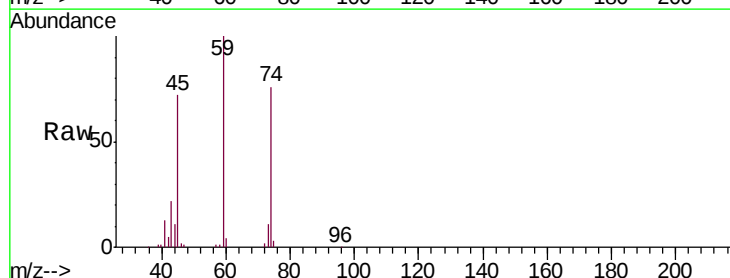
Tgt Ion:101 Resp: 249198
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.3 76.9

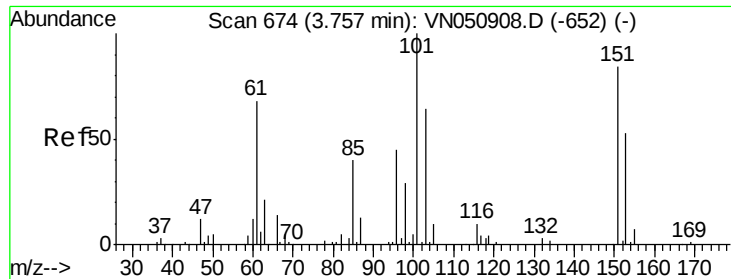


#8

Diethyl Ether
 Concen: 20.184 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 74 Resp: 86161
 Ion Ratio Lower Upper
 74 100
 45 95.6 19.7 177.1

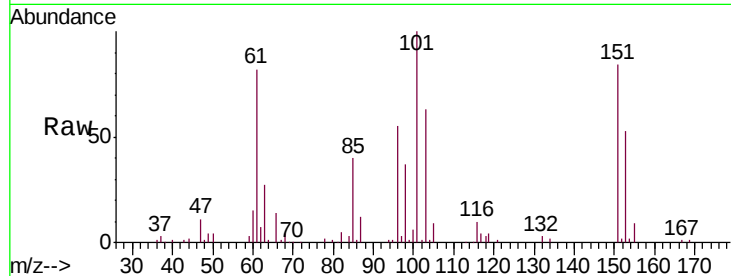




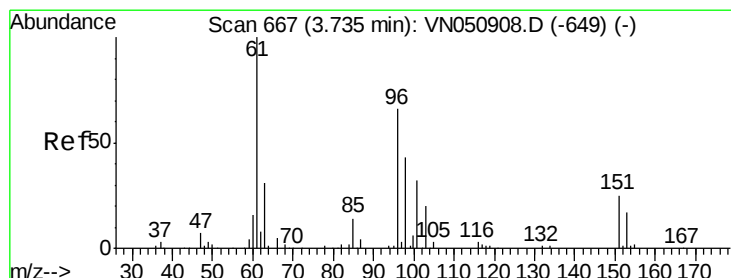
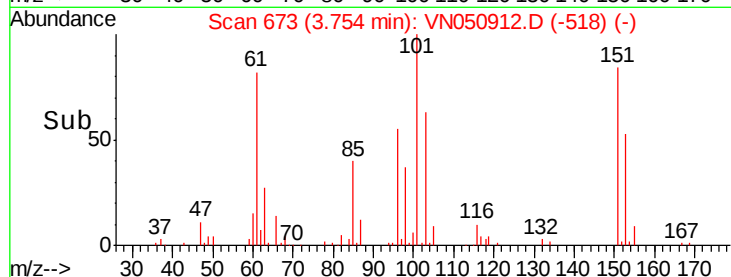
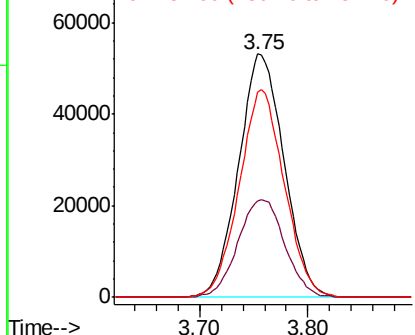
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.782 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
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 ClientSampleId :
 VSTDICV020

Tgt Ion: 101 Resp: 155822
 Ion Ratio Lower Upper
 101 100
 85 41.3 0.0 83.6
 151 84.5 0.0 167.0

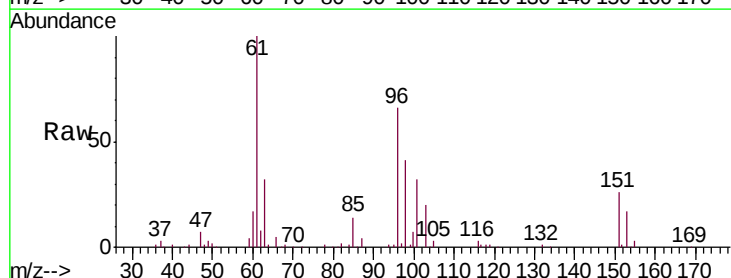


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): V
 Ion 151.00 (150.70 to 151.70): V

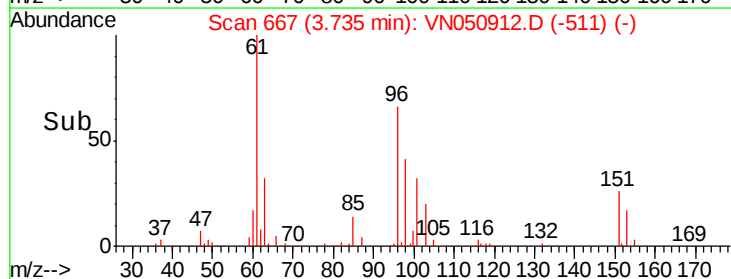
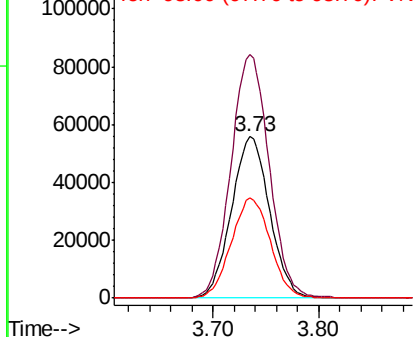


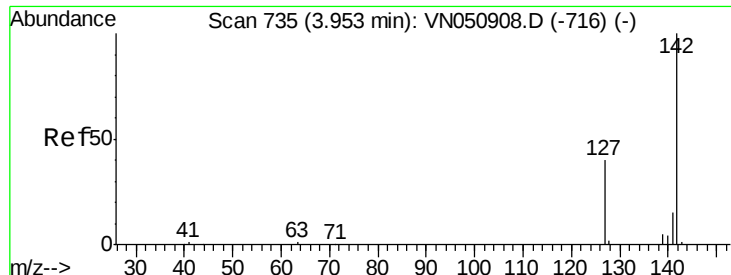
#10
 1,1-Dichloroethene
 Concen: 20.617 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 96 Resp: 140422
 Ion Ratio Lower Upper
 96 100
 61 150.7 121.8 182.8
 98 62.2 52.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): V
 Ion 61.00 (60.70 to 61.70): V
 Ion 98.00 (97.70 to 98.70): V

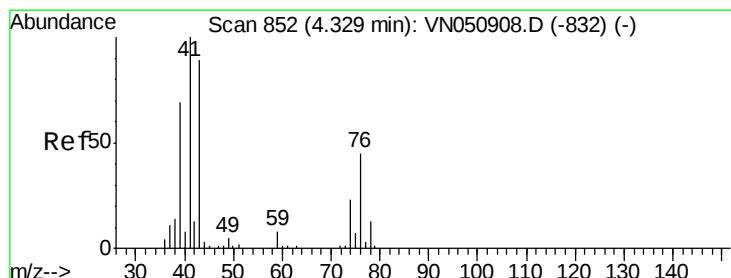
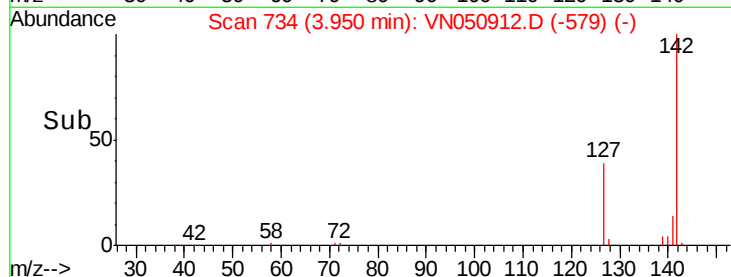
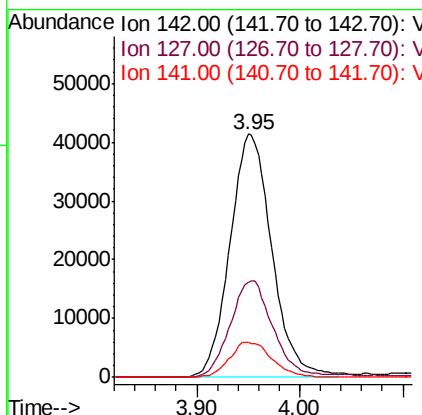
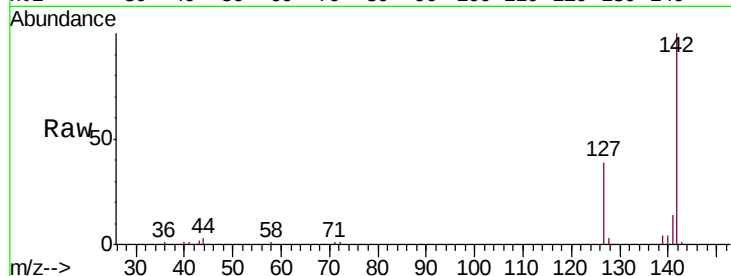




#11
Methyl Iodide
Concen: 18.414 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

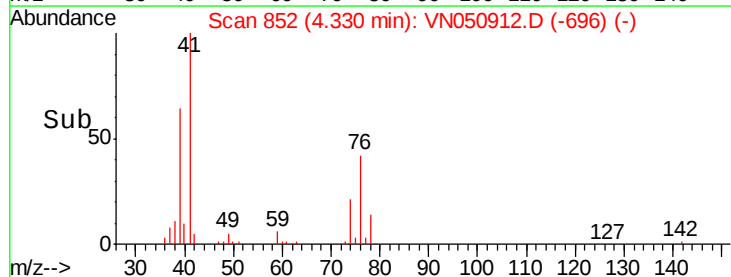
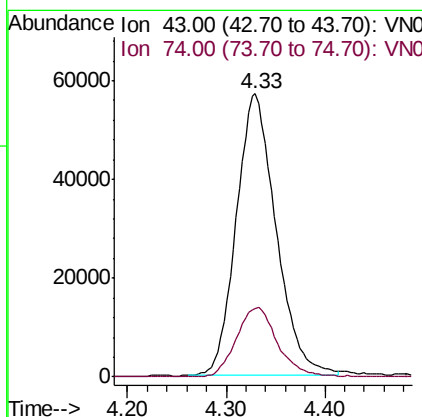
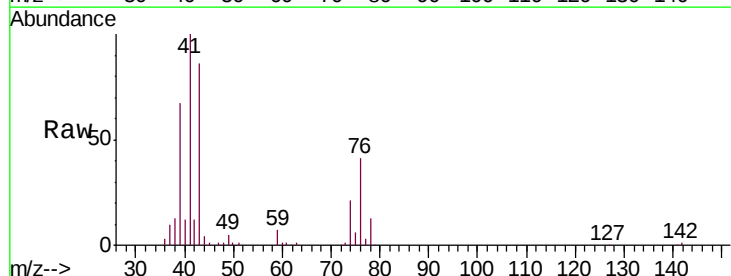
Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

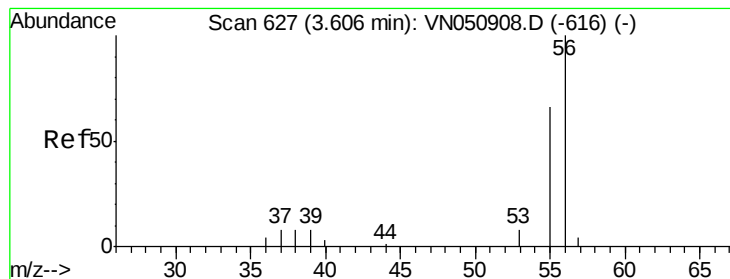
Tgt Ion:142 Resp: 117013
Ion Ratio Lower Upper
142 100
127 38.8 19.7 59.1
141 14.5 7.3 22.0



#12
Methyl Acetate
Concen: 20.307 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 43 Resp: 159933
Ion Ratio Lower Upper
43 100
74 24.3 20.6 31.0





#13

Acrolein

Concen: 85.617 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

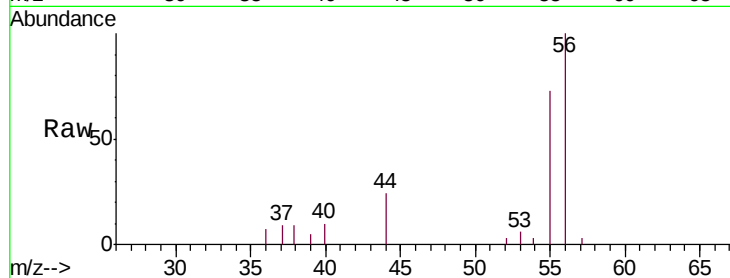
VSTDICV020

Tgt Ion: 56 Resp: 14931

Ion Ratio Lower Upper

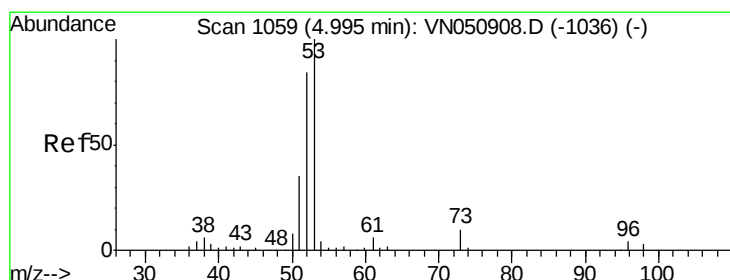
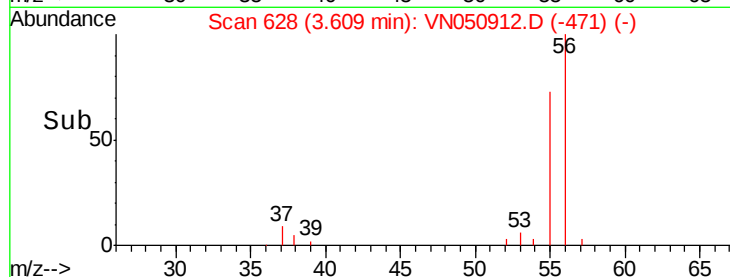
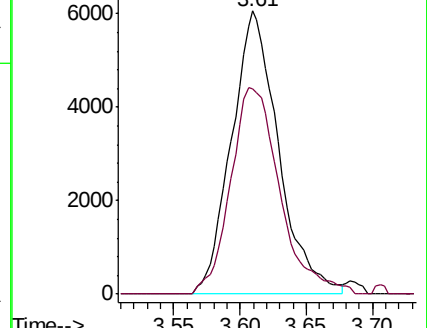
56 100

55 76.4 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN050908.D (-616) (-)

Ion 55.00 (54.70 to 55.70): VN050908.D (-616) (-)



#14

Acrylonitrile

Concen: 95.438 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

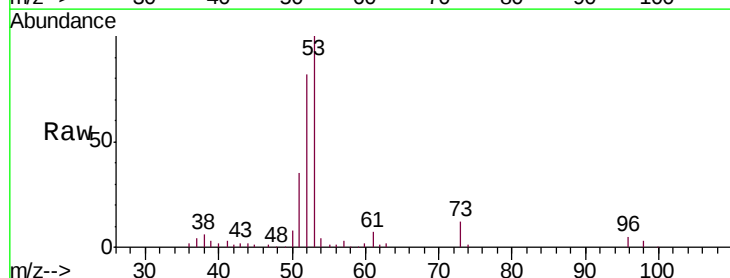
Tgt Ion: 53 Resp: 254136

Ion Ratio Lower Upper

53 100

52 80.7 42.2 126.6

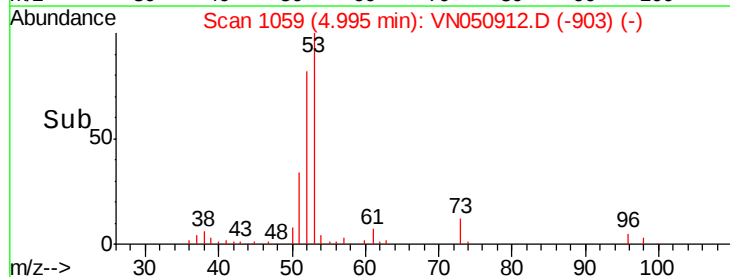
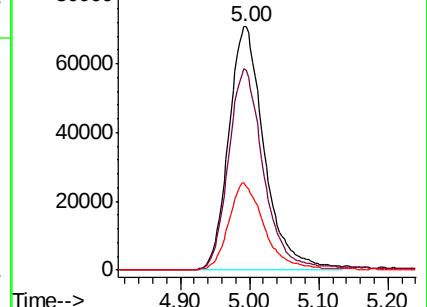
51 35.7 17.7 53.1

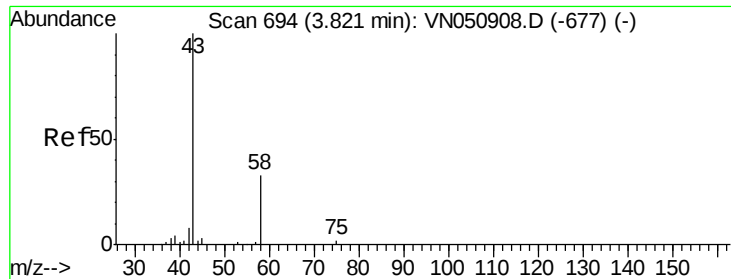


Abundance Ion 53.00 (52.70 to 53.70): VN050908.D (-1036) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VN050908.D (-1036) (-)





#15

Acetone

Concen: 92.127 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

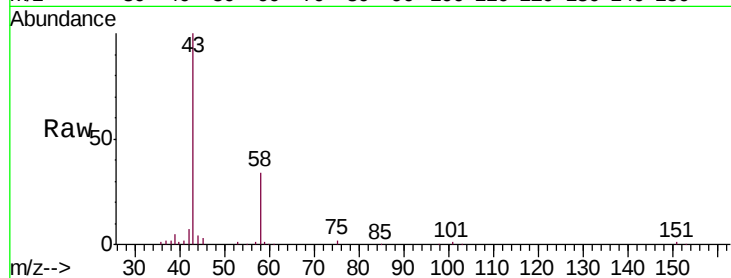
VSTDICV020

Tgt Ion: 58 Resp: 62775

Ion Ratio Lower Upper

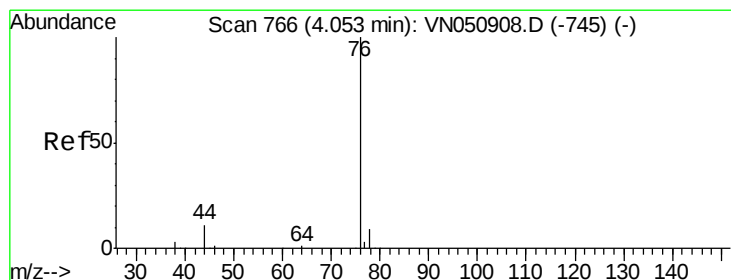
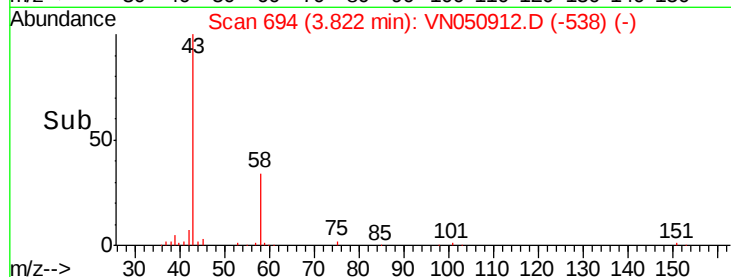
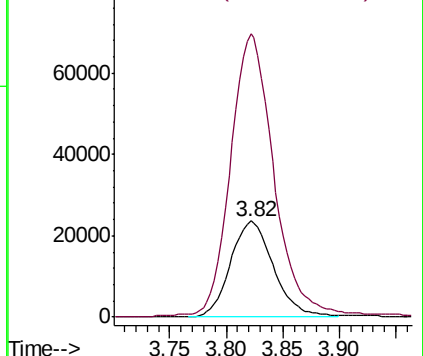
58 100

43 291.7 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN050908.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-677) (-)



#16

Carbon Disulfide

Concen: 20.940 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050912.D

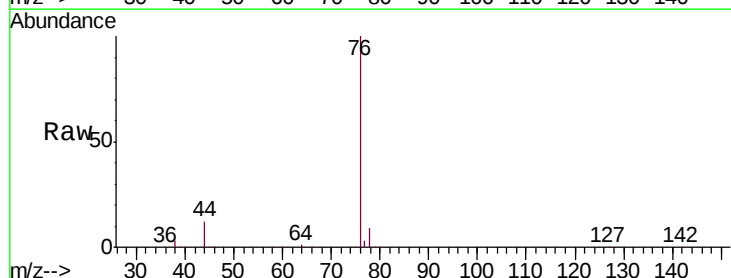
Acq: 28 Aug 2018 14:18

Tgt Ion: 76 Resp: 428838

Ion Ratio Lower Upper

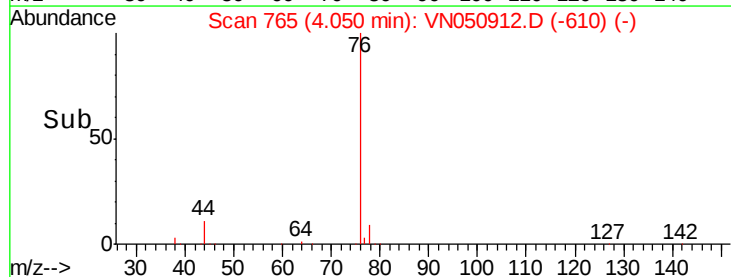
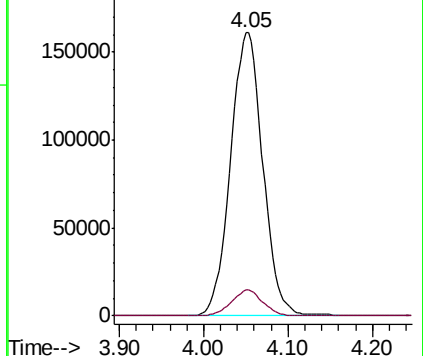
76 100

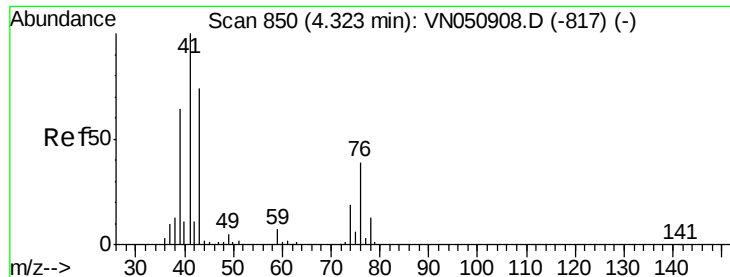
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-745) (-)





#17

Allyl chloride

Concen: 19.960 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

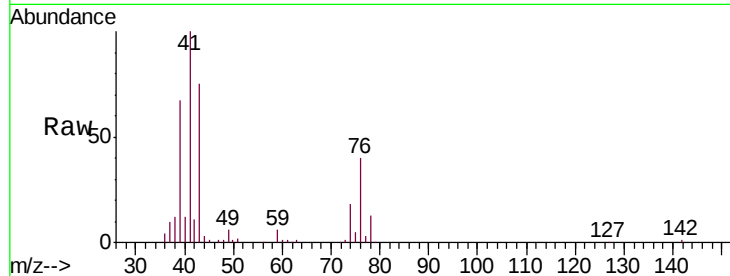
Tgt Ion: 41 Resp: 213900

Ion Ratio Lower Upper

41 100

39 66.5 32.2 96.6

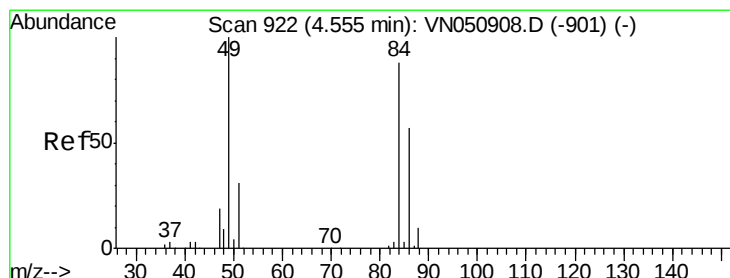
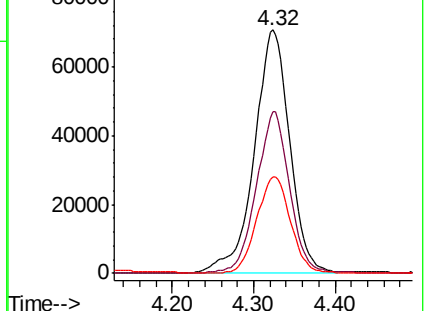
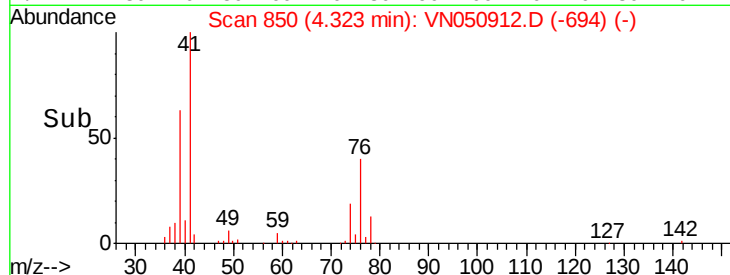
76 39.1 19.6 58.7



Abundance Ion 41.00 (40.70 to 41.70): VN050912.D (-694) (-)

Ion 39.00 (38.70 to 39.70): VN050912.D (-694) (-)

Ion 76.00 (75.70 to 76.70): VN050912.D (-694) (-)



#18

Methylene Chloride

Concen: 19.529 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Tgt Ion: 84 Resp: 156121

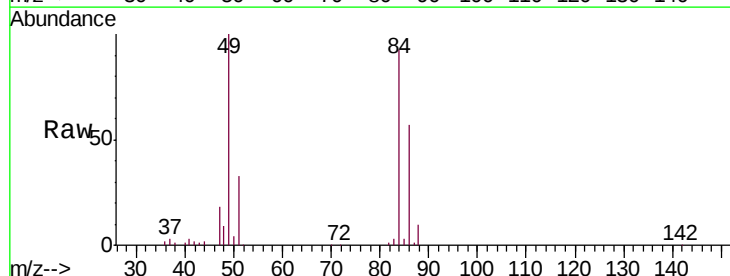
Ion Ratio Lower Upper

84 100

49 107.5 90.6 135.8

51 36.0 28.4 42.6

86 61.5 51.6 77.4

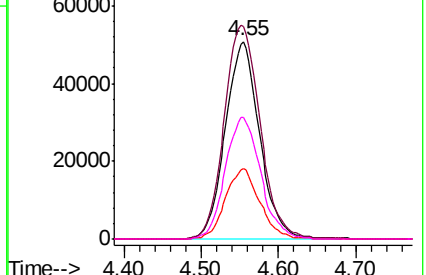
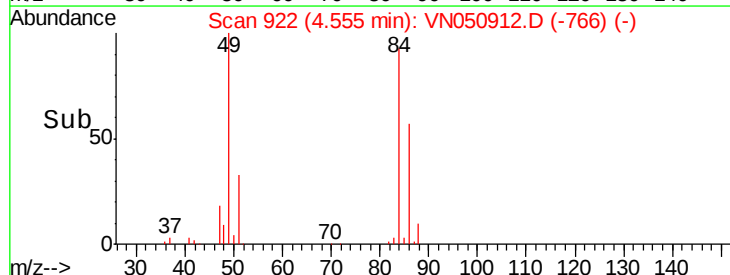


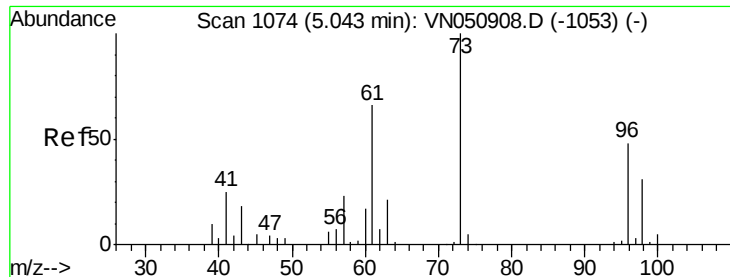
Abundance Ion 84.00 (83.70 to 84.70): VN050912.D (-766) (-)

Ion 49.00 (48.70 to 49.70): VN050912.D (-766) (-)

Ion 51.00 (50.70 to 51.70): VN050912.D (-766) (-)

Ion 86.00 (85.70 to 86.70): VN050912.D (-766) (-)

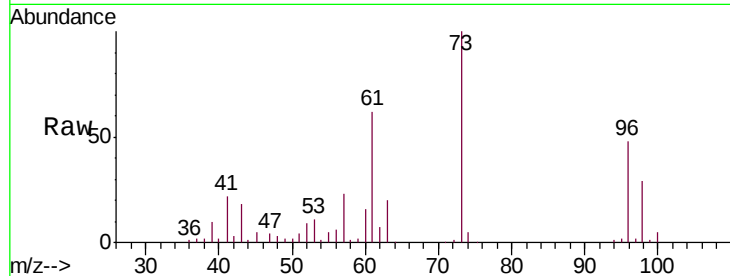




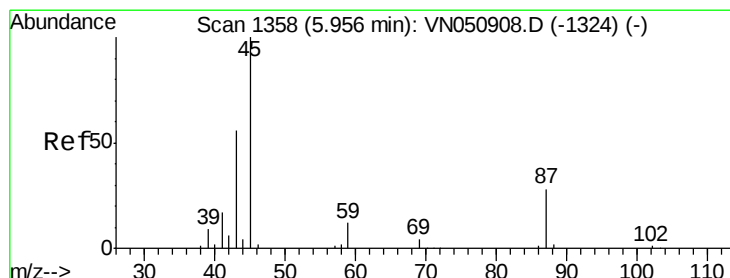
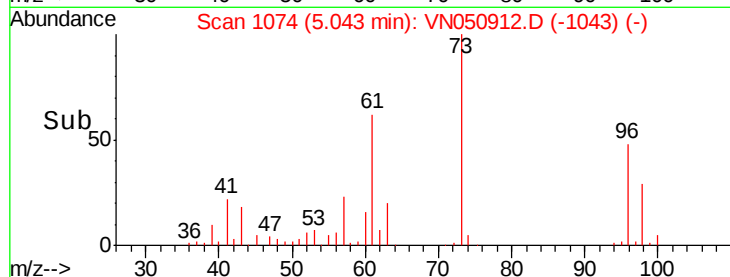
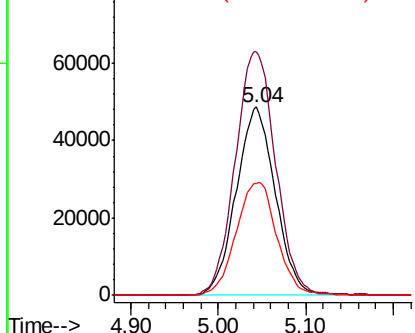
#19
trans-1,2-Dichloroethene
Concen: 20.841 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tgt Ion: 96 Resp: 151235
Ion Ratio Lower Upper
96 100
61 129.3 109.5 164.3
98 59.7 51.9 77.9

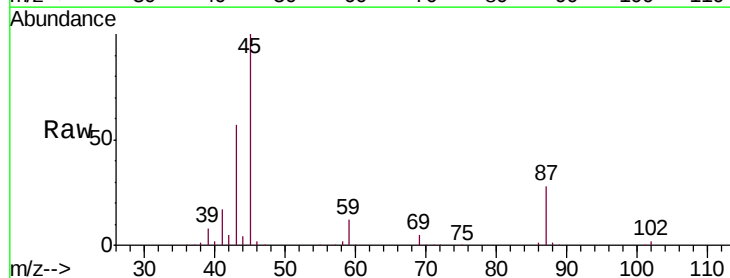


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

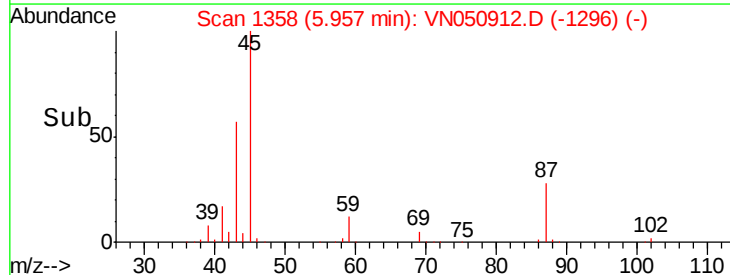
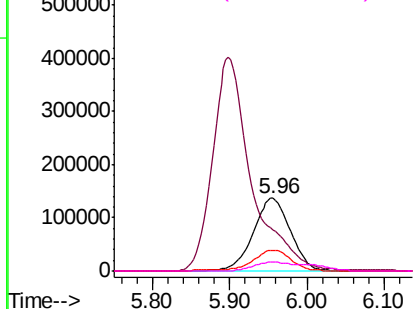


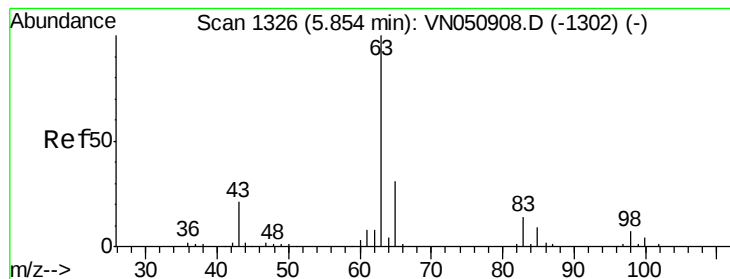
#20
Diisopropyl ether
Concen: 20.607 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 45 Resp: 458418
Ion Ratio Lower Upper
45 100
43 54.7 47.0 70.6
87 28.1 22.8 34.2
59 12.0 9.5 14.3



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





#21

1,1-Dichloroethane

Concen: 19.734 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICV020

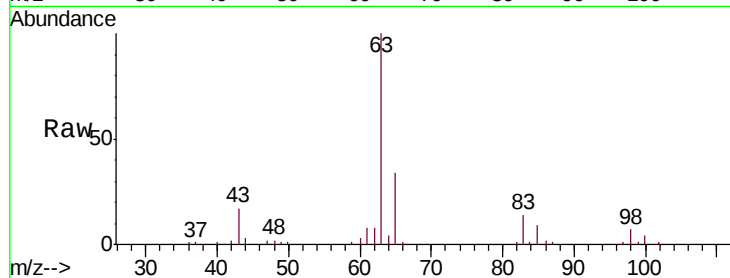
Tgt Ion: 63 Resp: 269156

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

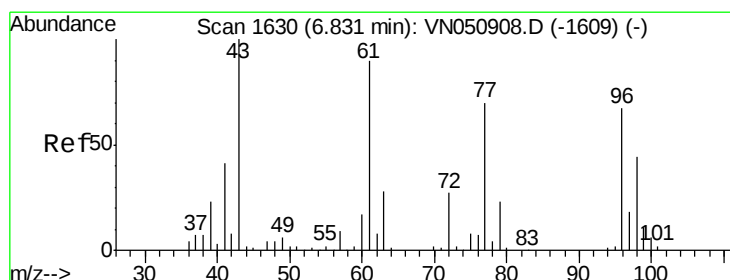
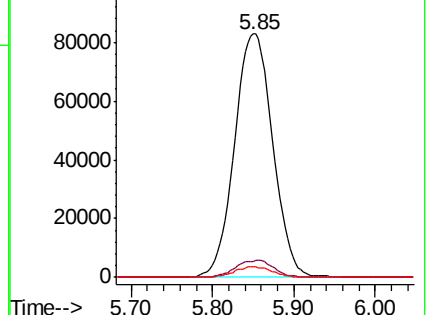
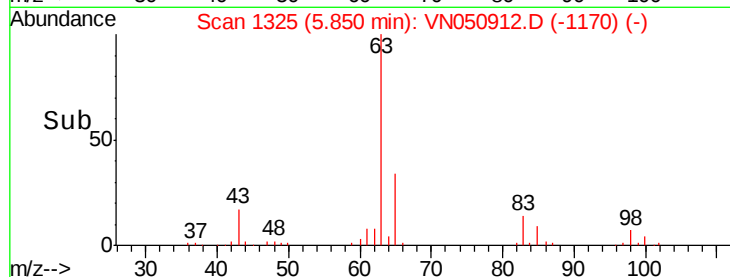
100 4.5 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN050912.D (-1170) (-)

Ion 98.00 (97.70 to 98.70): VN050912.D (-1170) (-)

Ion 100.00 (99.70 to 100.70): VN050912.D (-1170) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.922 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

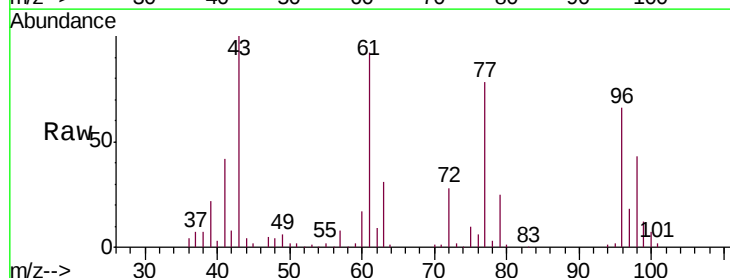
Tgt Ion: 96 Resp: 163301

Ion Ratio Lower Upper

96 100

61 140.9 110.0 165.0

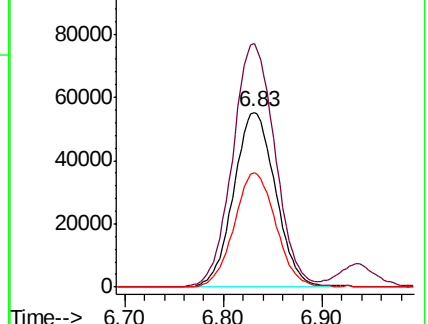
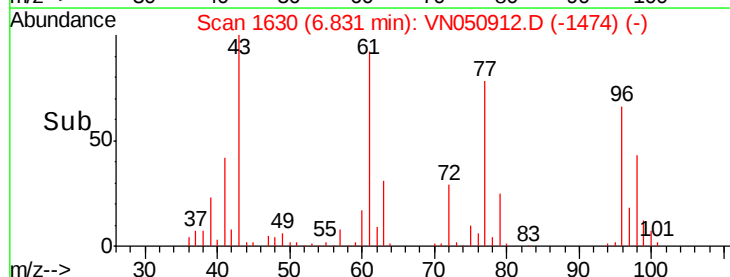
98 64.8 51.7 77.5

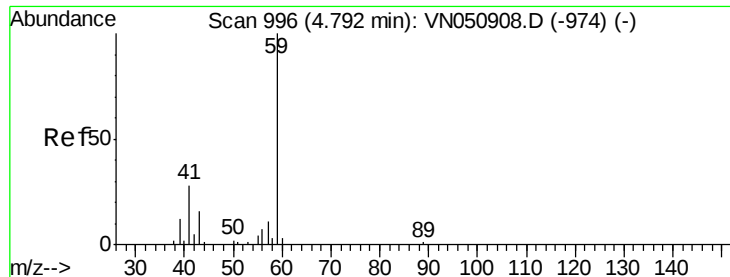


Abundance Ion 96.00 (95.70 to 96.70): VN050912.D (-1474) (-)

Ion 61.00 (60.70 to 61.70): VN050912.D (-1474) (-)

Ion 98.00 (97.70 to 98.70): VN050912.D (-1474) (-)

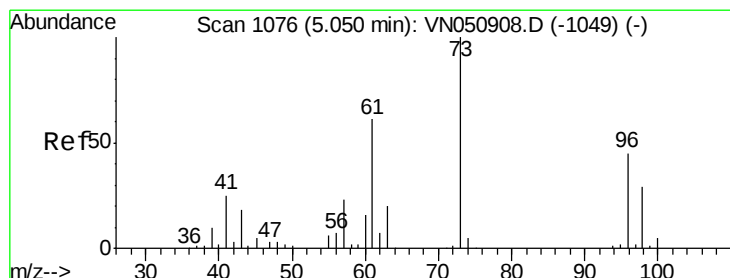
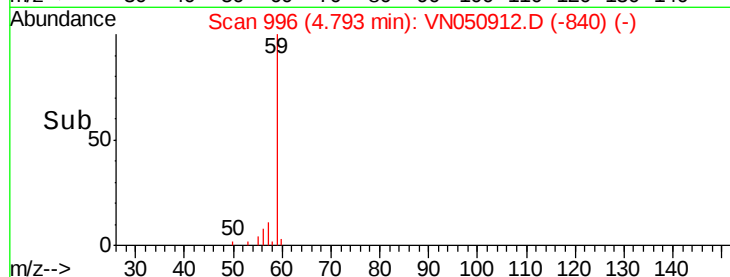
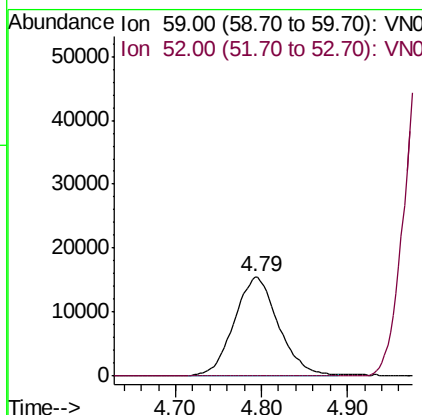
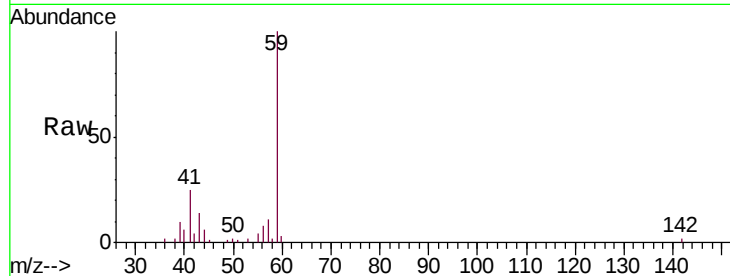




#23
 tert-Butyl Alcohol
 Concen: 98.261 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

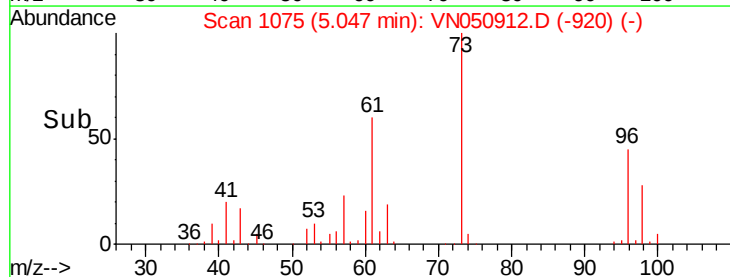
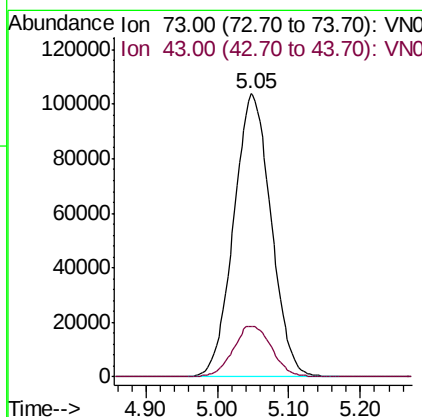
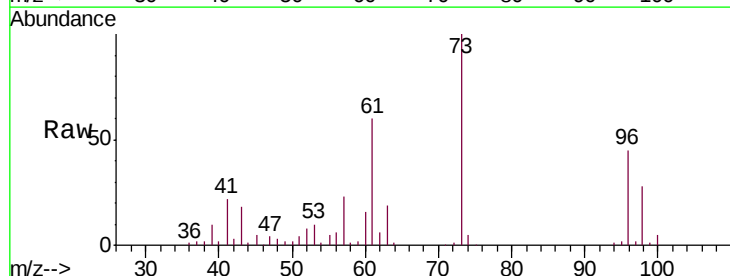
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

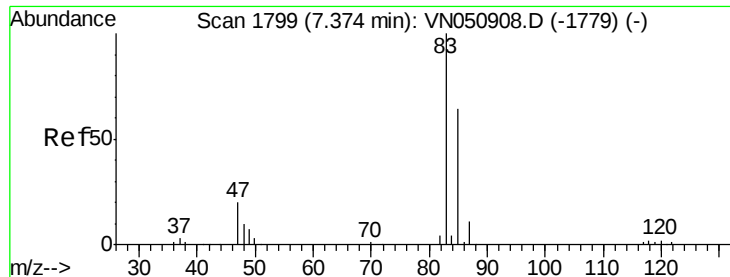
Tgt Ion: 59 Resp: 55645
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.333 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 73 Resp: 378780
 Ion Ratio Lower Upper
 73 100
 43 18.1 14.4 21.6

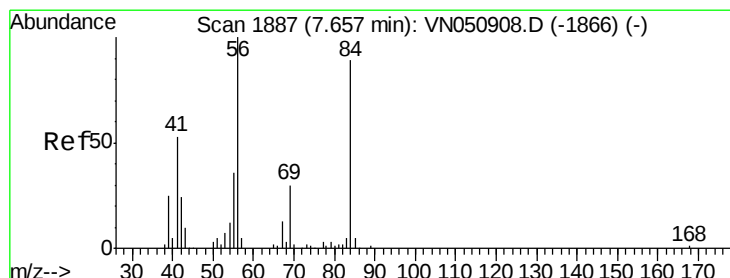
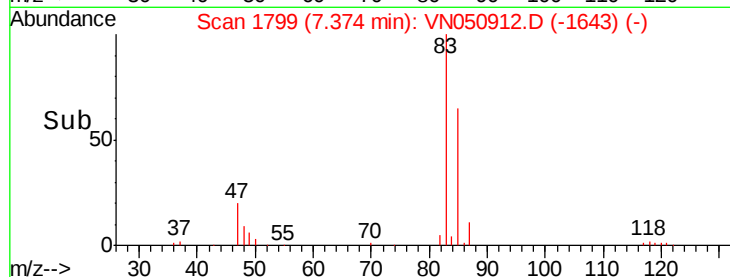
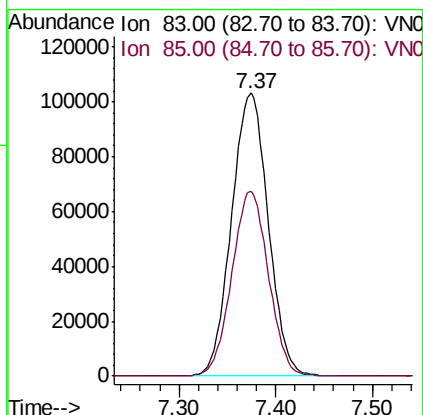
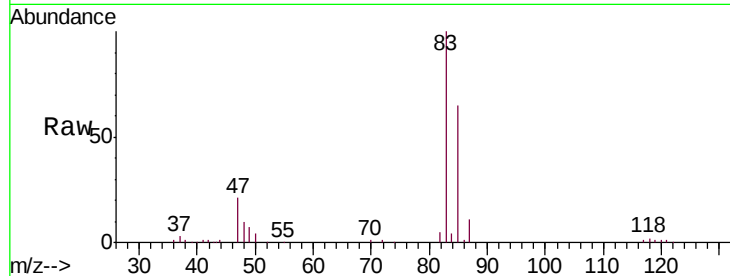




#25
Chloroform
Concen: 20.012 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

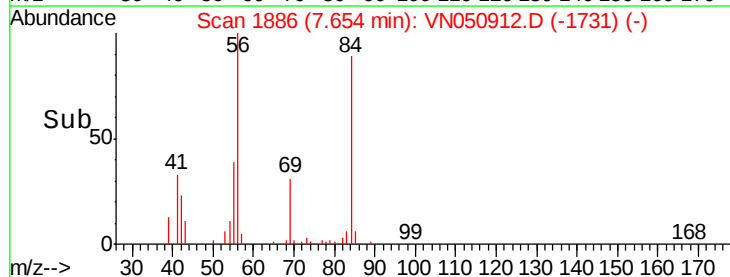
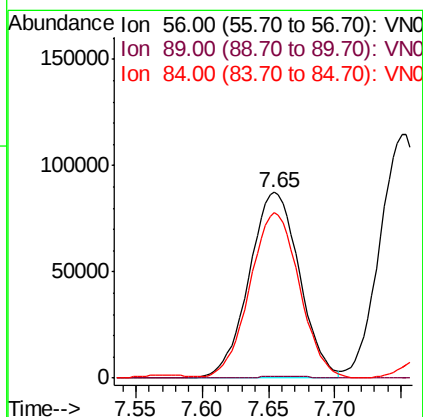
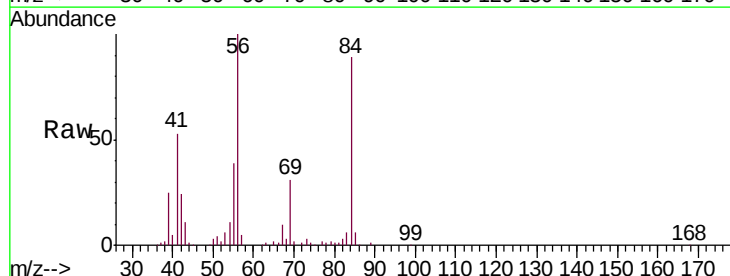
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

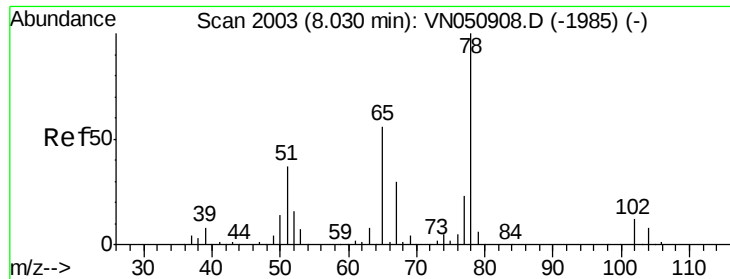
Tgt Ion: 83 Resp: 272425
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.0



#26
Cyclohexane
Concen: 20.483 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 56 Resp: 231464
Ion Ratio Lower Upper
56 100
89 1.0 0.4 0.6#
84 86.9 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.947 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

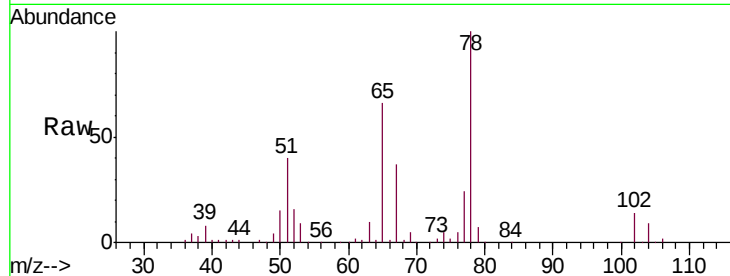
VSTDICV020

Tgt Ion: 65 Resp: 240880

Ion Ratio Lower Upper

65 100

67 54.8 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN050908.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050908.D (-1985) (-)

8.03

100000

80000

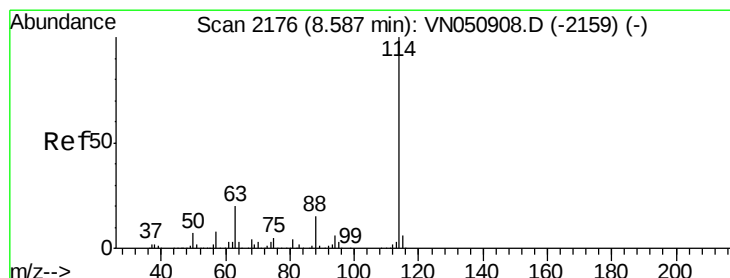
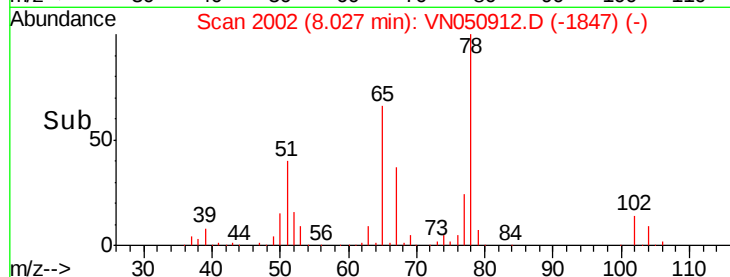
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

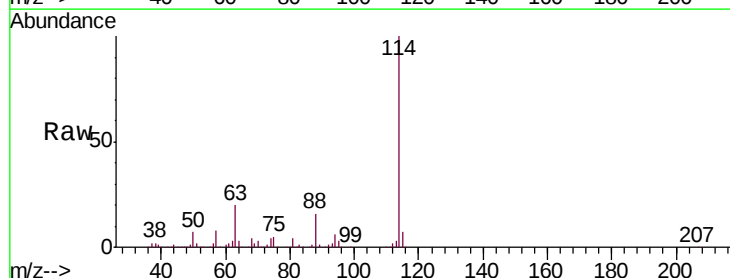
Tgt Ion: 114 Resp: 685814

Ion Ratio Lower Upper

114 100

63 19.4 15.6 23.4

88 15.5 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN050908.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050908.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050908.D (-2159) (-)

8.59

400000

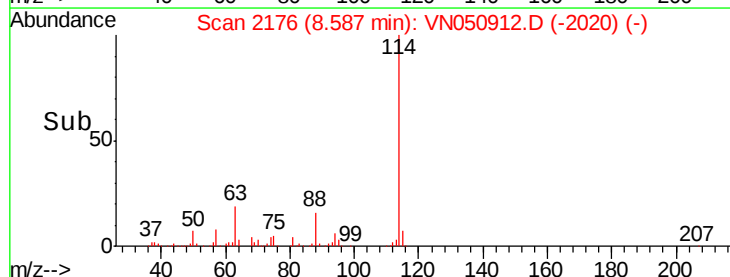
300000

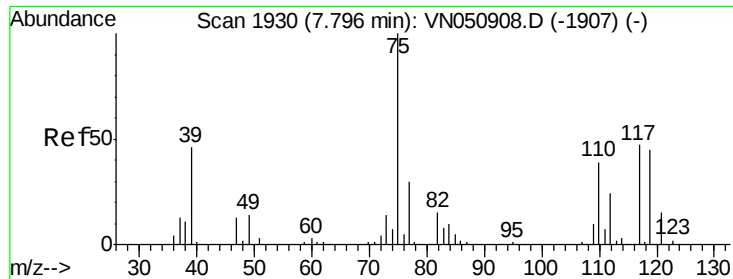
200000

100000

0

Time-->

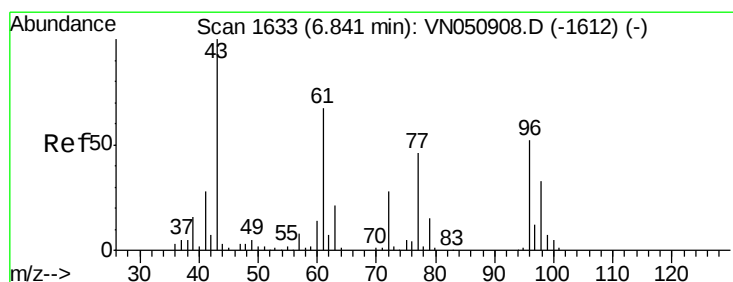
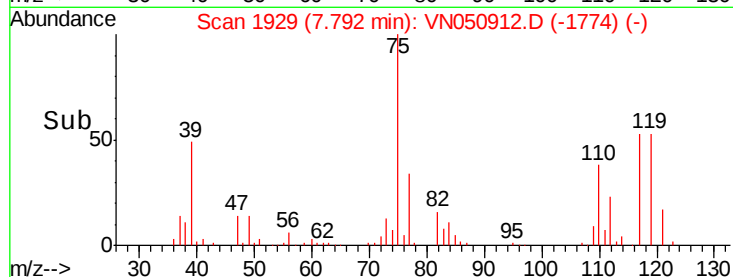
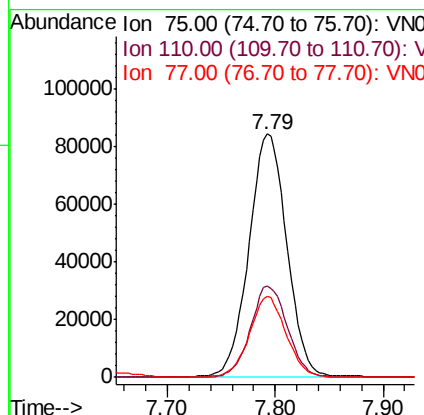
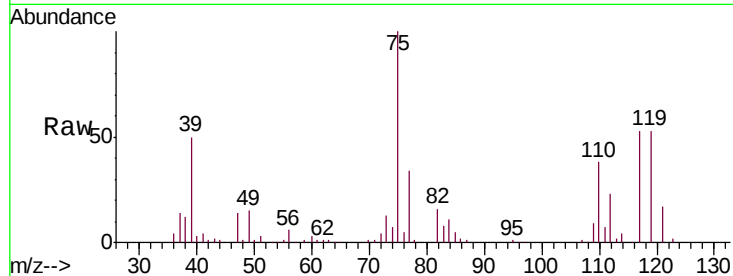




#29
 1,1-Dichloropropene
 Concen: 20.069 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

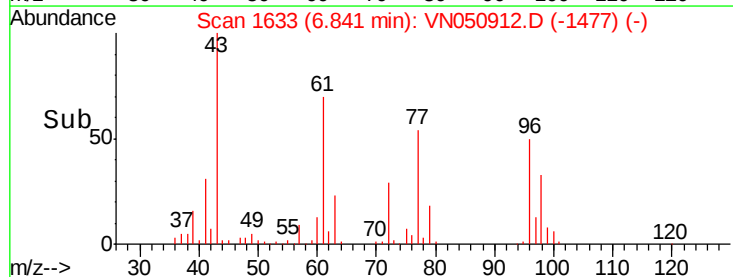
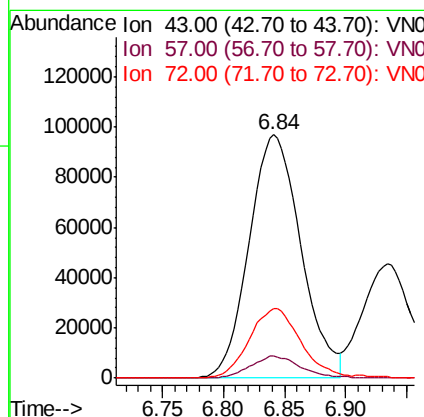
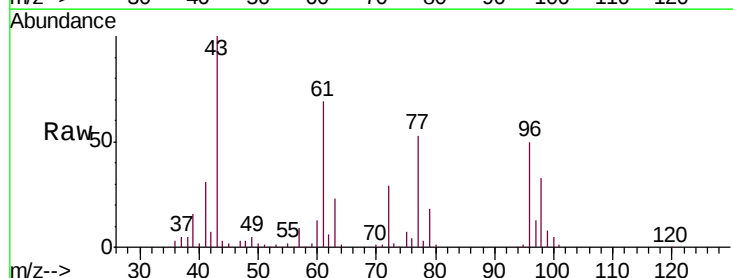
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

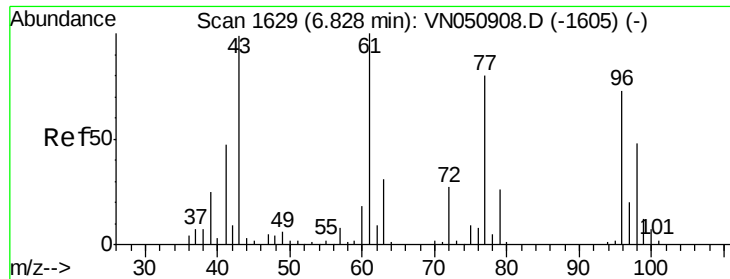
Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	0.0	75.0
77	32.2	0.0	60.6



#30
 2-Butanone
 Concen: 89.919 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.9	6.9	10.3
72	28.5	22.8	34.2

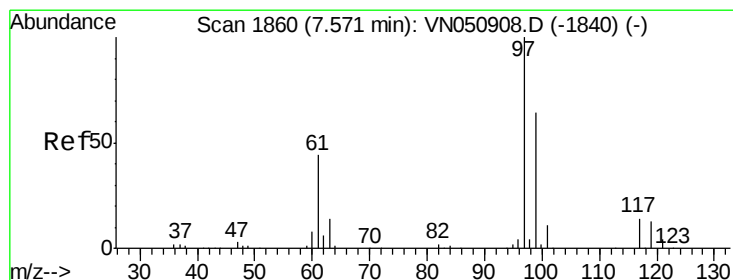
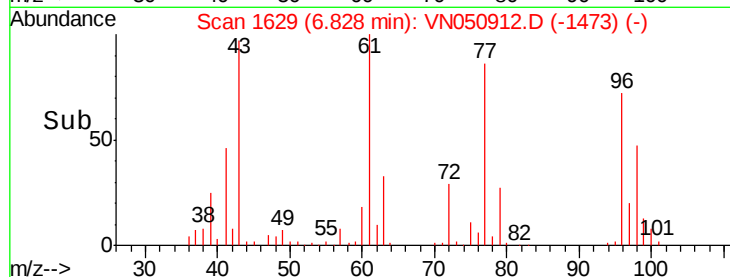
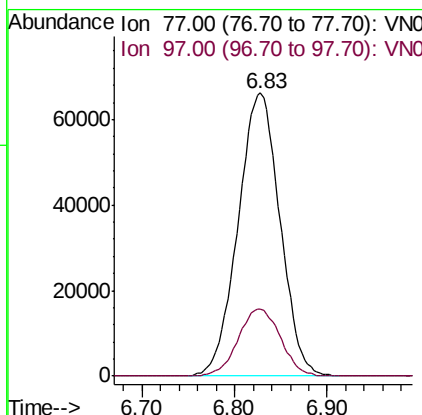
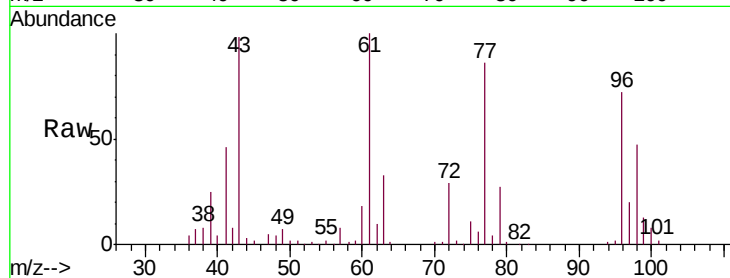




#31
 2,2-Dichloropropane
 Concen: 20.803 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

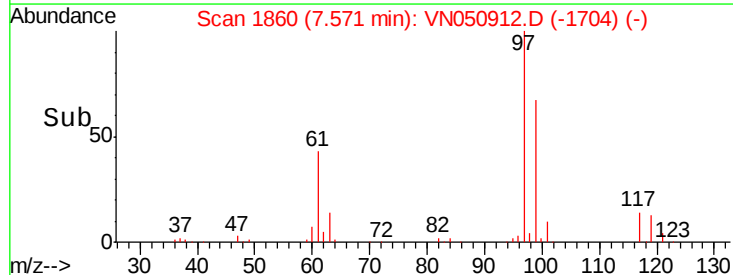
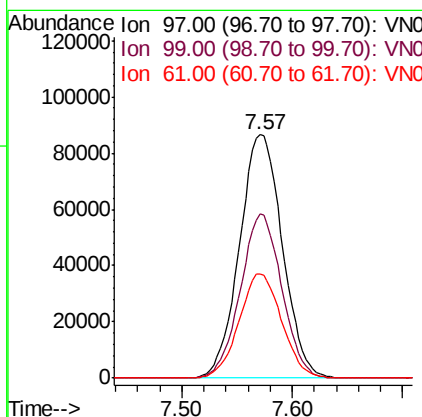
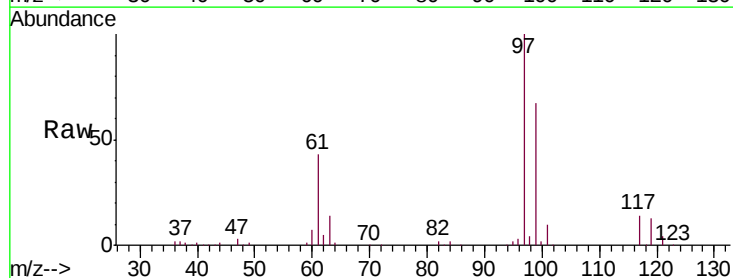
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

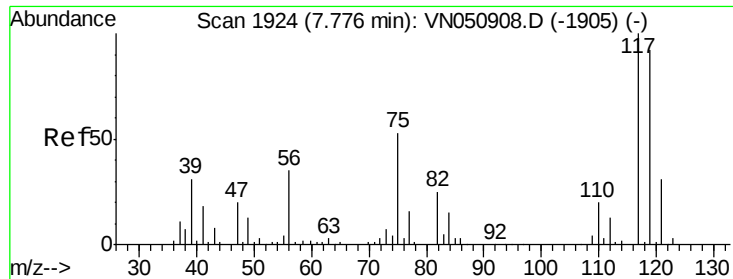
Tgt Ion: 77 Resp: 207834
 Ion Ratio Lower Upper
 77 100
 97 23.9 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 20.030 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 97 Resp: 233208
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 42.6 35.0 52.6





#33

Carbon Tetrachloride

Concen: 19.691 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICV020

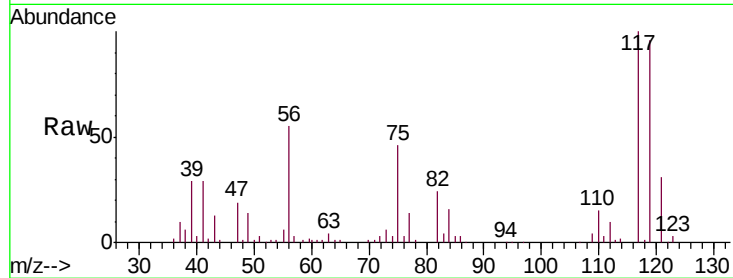
Tgt Ion:117 Resp: 206458

Ion Ratio Lower Upper

117 100

119 96.3 73.5 110.3

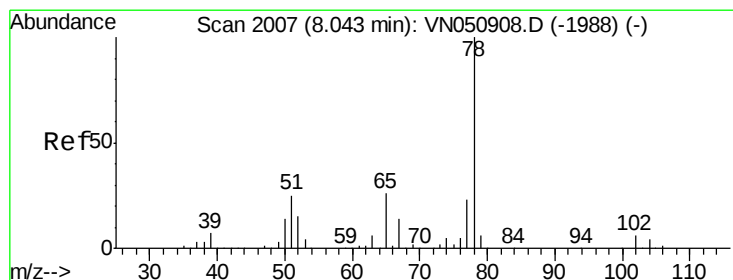
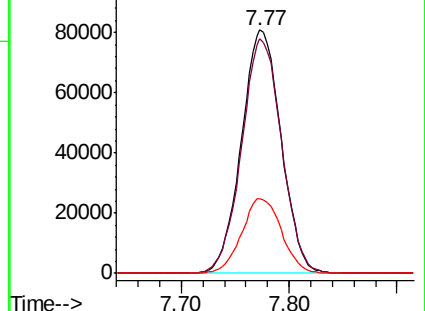
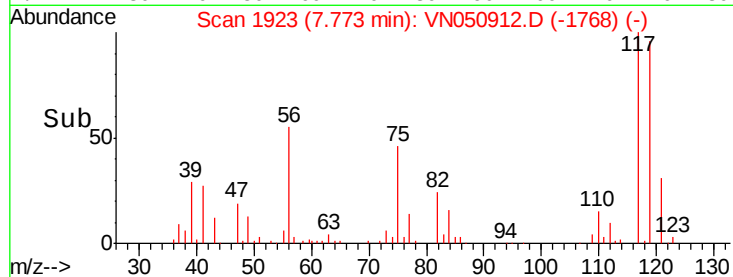
121 30.8 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.678 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

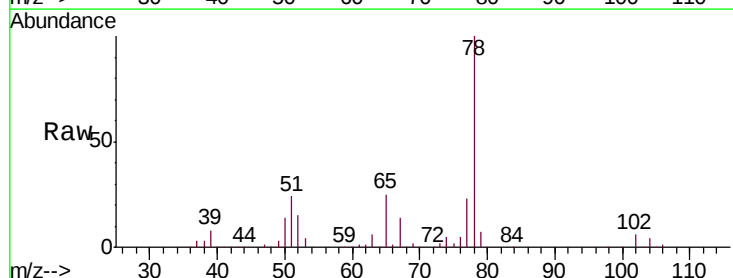
Tgt Ion: 78 Resp: 625033

Ion Ratio Lower Upper

78 100

77 23.0 18.6 28.0

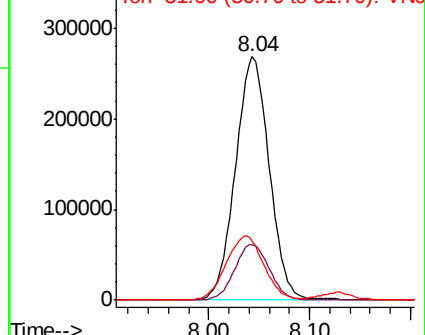
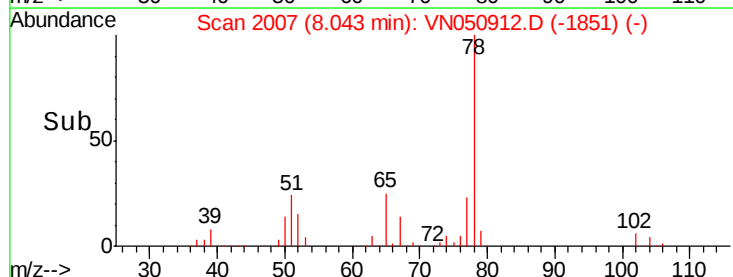
51 24.0 20.0 30.0

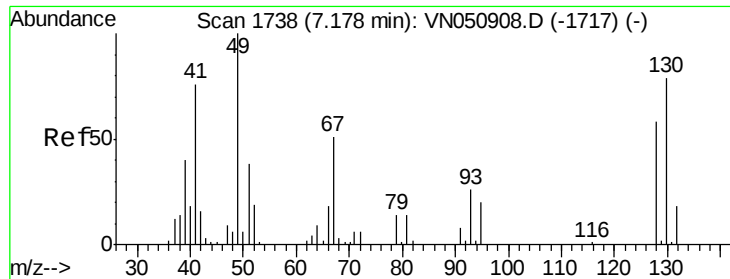


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

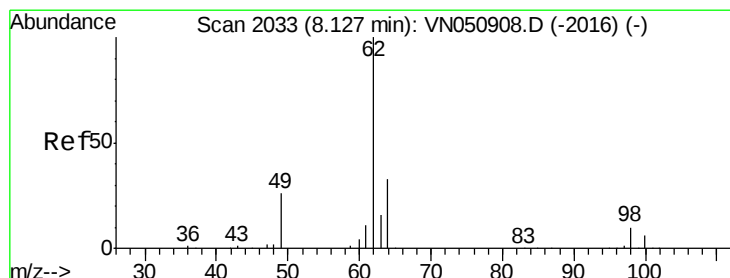
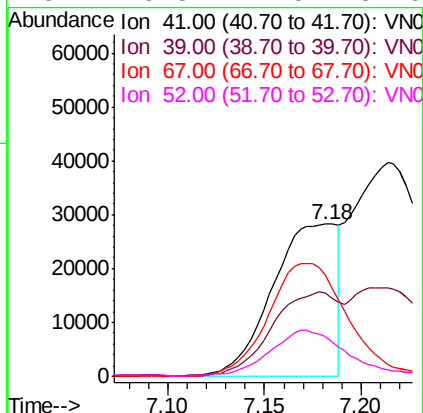
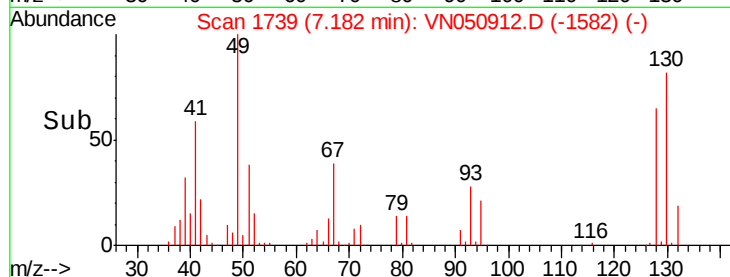
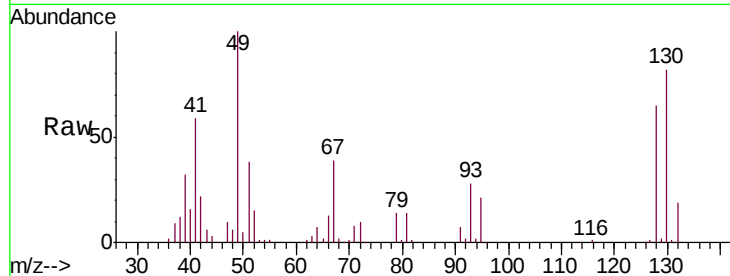




#35
Methacrylonitrile
Concen: 19.083 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

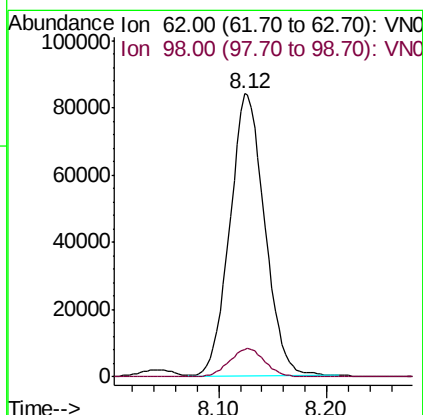
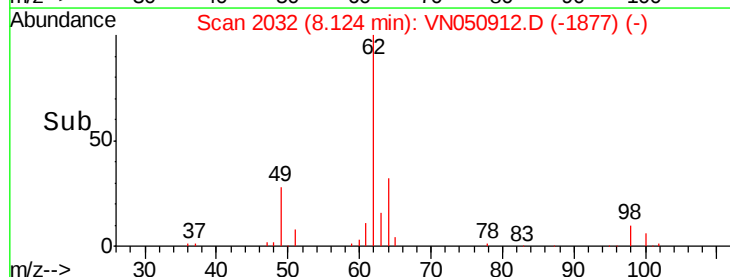
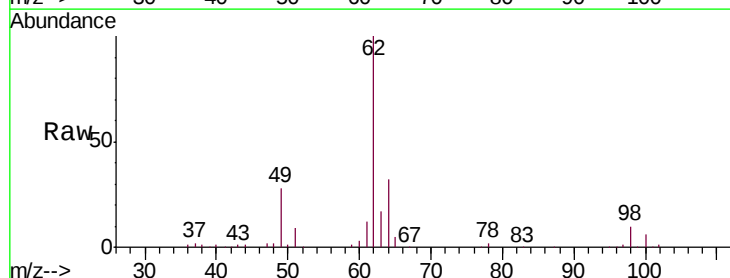
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

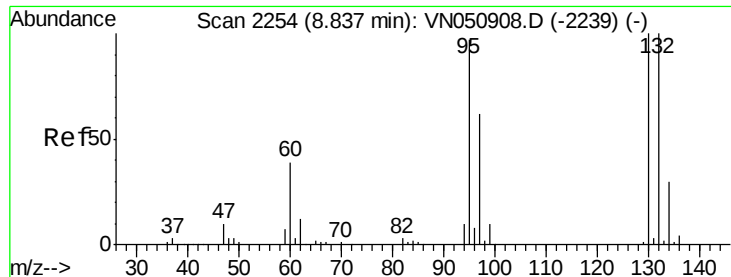
Tgt Ion: 41 Resp: 66038
Ion Ratio Lower Upper
41 100
39 54.0 26.2 78.5
67 66.2 33.9 101.6
52 25.8 12.5 37.5



#36
1,2-Dichloroethane
Concen: 19.699 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 62 Resp: 189229
Ion Ratio Lower Upper
62 100
98 10.2 8.0 12.0

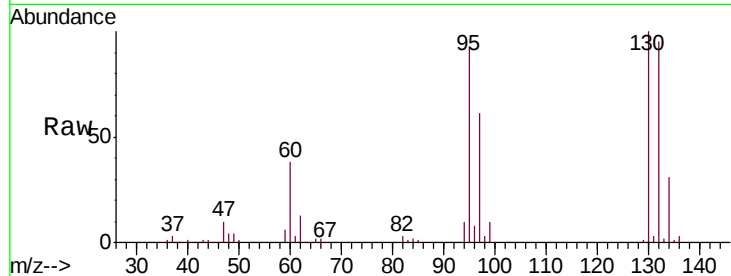




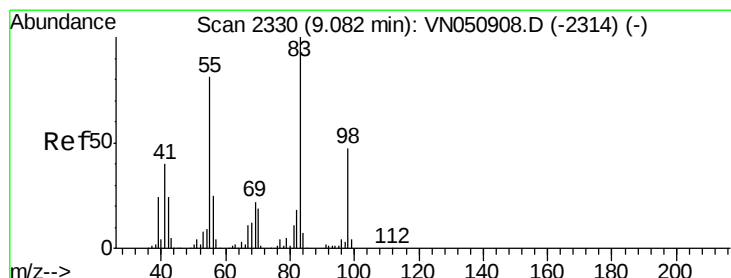
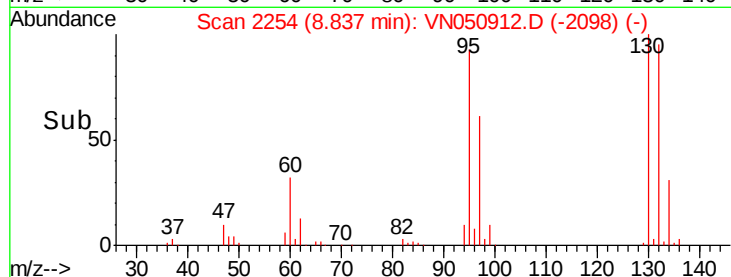
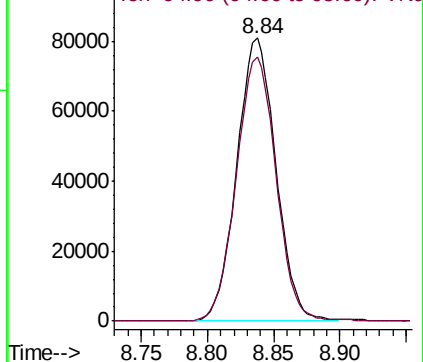
#37
 Trichloroethene
 Concen: 19.936 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tgt Ion:130 Resp: 165501
 Ion Ratio Lower Upper
 130 100
 95 93.1 77.4 116.0

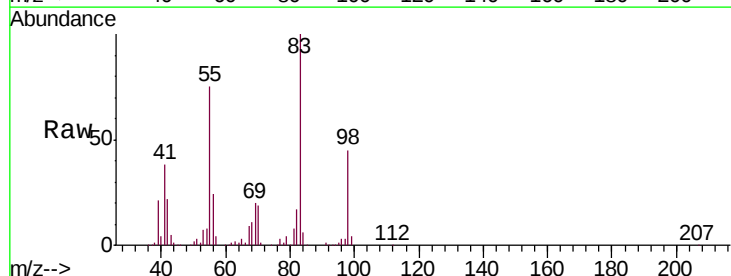


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

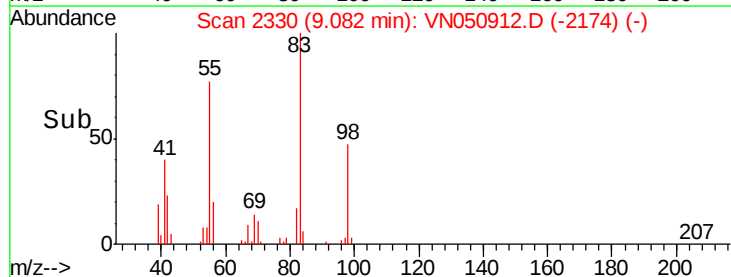
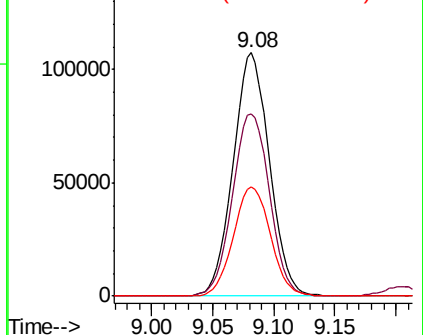


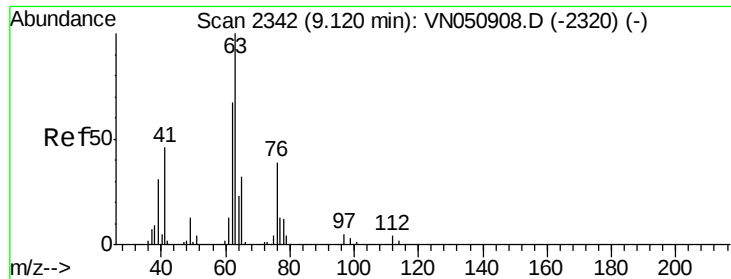
#38
 Methylcyclohexane
 Concen: 20.122 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 83 Resp: 221894
 Ion Ratio Lower Upper
 83 100
 55 76.3 38.9 116.7
 98 45.7 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

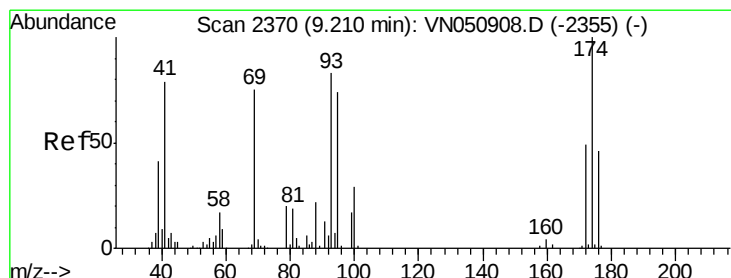
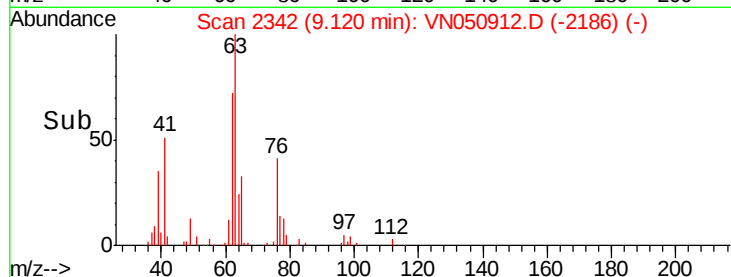
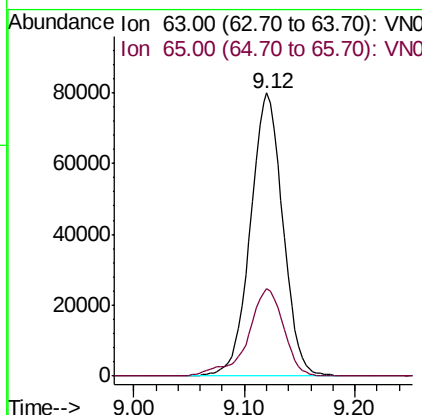
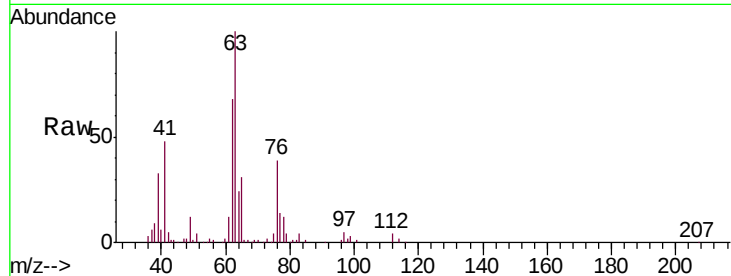




#39
 1,2-Dichloropropane
 Concen: 19.651 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

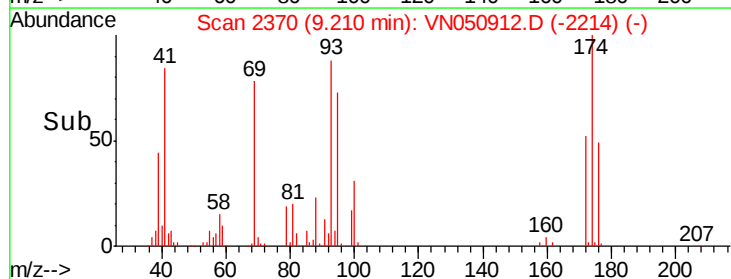
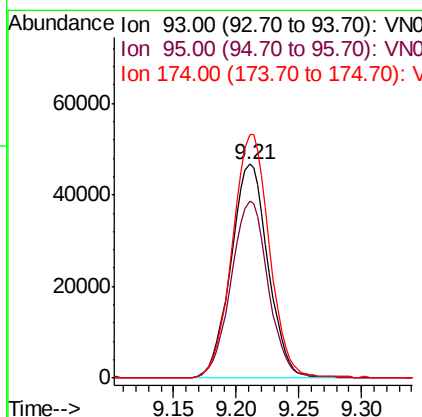
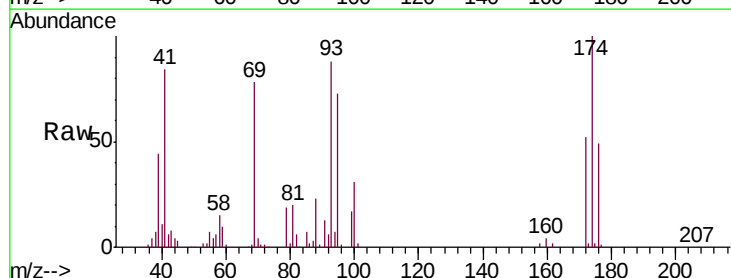
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

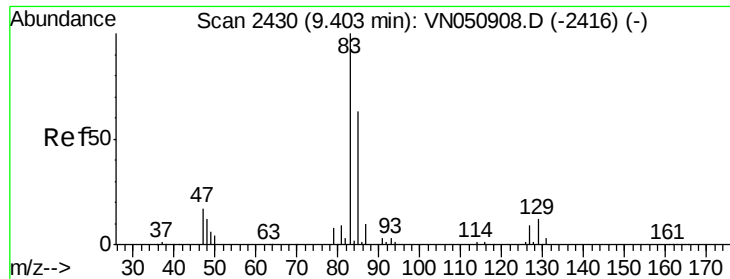
Tgt Ion: 63 Resp: 163019
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.6 38.4



#40
 Dibromomethane
 Concen: 19.331 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 93 Resp: 96598
 Ion Ratio Lower Upper
 93 100
 95 82.1 0.0 173.4
 174 113.6 0.0 234.8





#41

Bromodichloromethane

Concen: 19.214 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

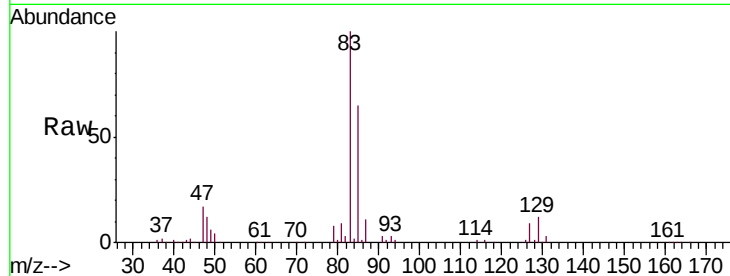
Tgt Ion: 83 Resp: 202397

Ion Ratio Lower Upper

83 100

85 64.7 50.6 76.0

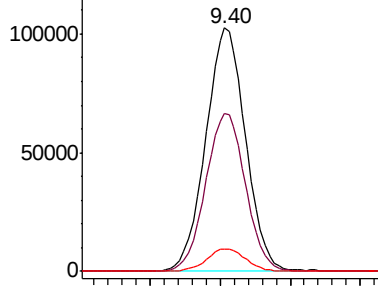
127 9.3 7.1 10.7



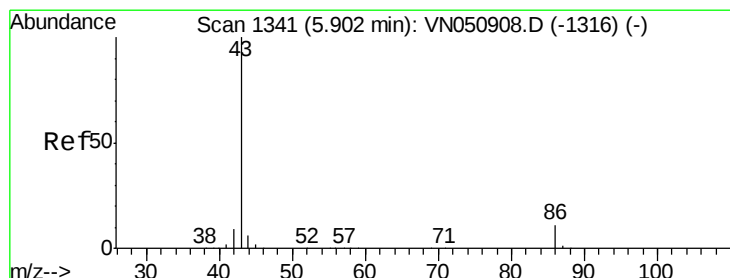
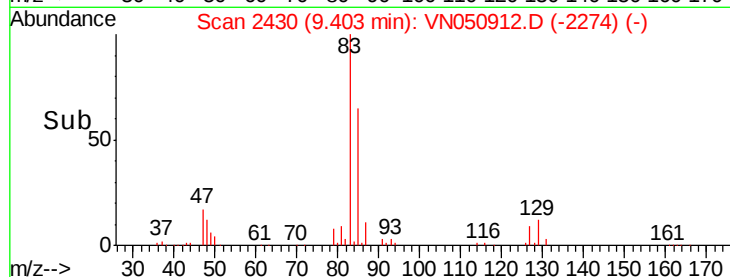
Abundance Ion 83.00 (82.70 to 83.70): VN050912.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN050912.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN050912.D (-2274) (-)



Time-->



#42

Vinyl Acetate

Concen: 96.807 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050912.D

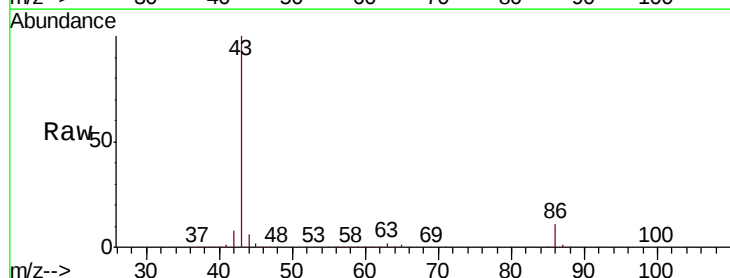
Acq: 28 Aug 2018 14:18

Tgt Ion: 43 Resp: 1408395

Ion Ratio Lower Upper

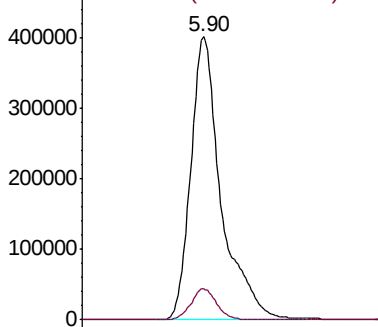
43 100

86 9.3 7.2 10.8

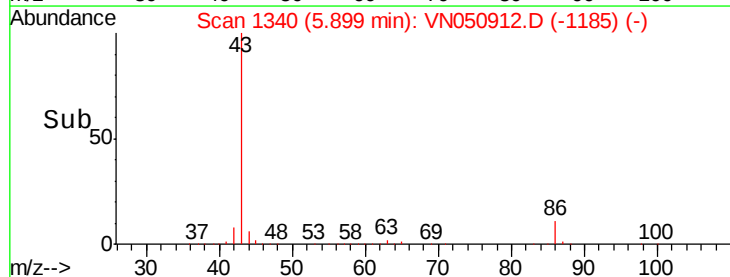


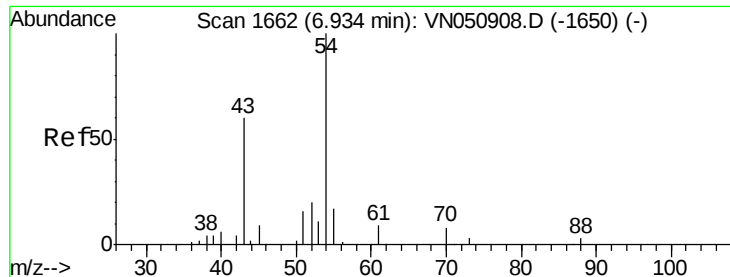
Abundance Ion 43.00 (42.70 to 43.70): VN050912.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN050912.D (-1185) (-)



Time-->

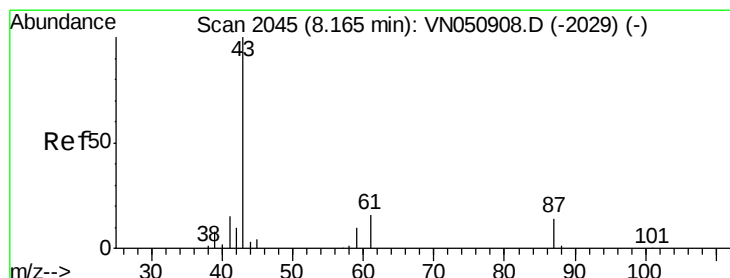
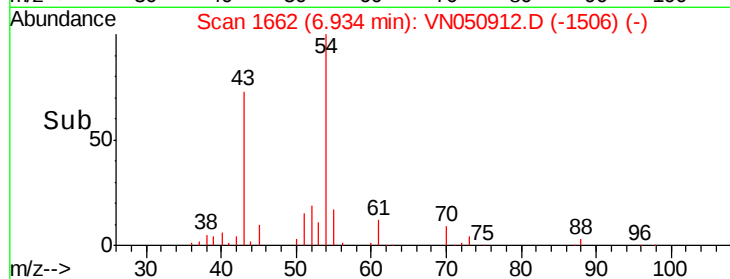
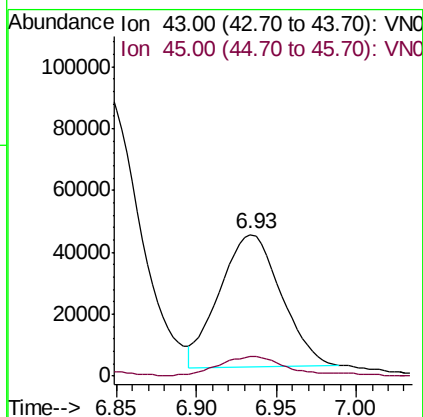
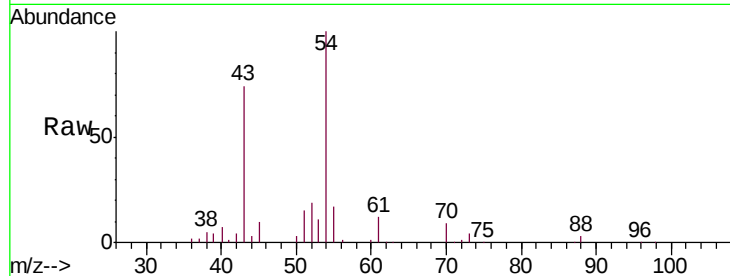




#43
Ethyl Acetate
Concen: 17.460 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

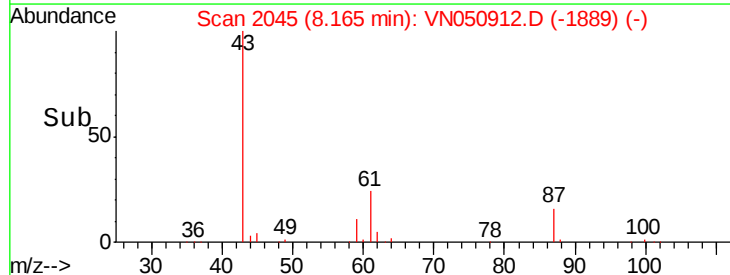
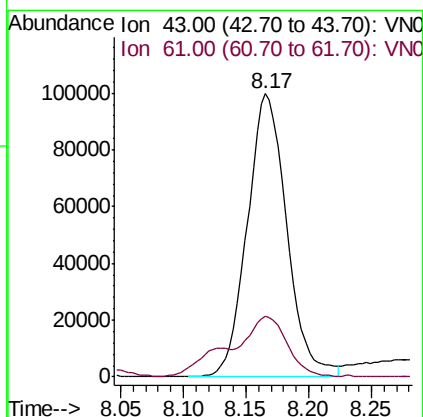
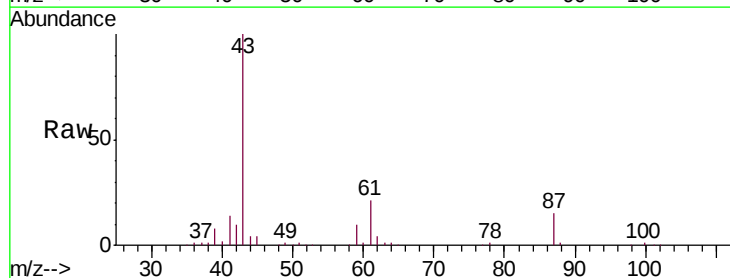
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

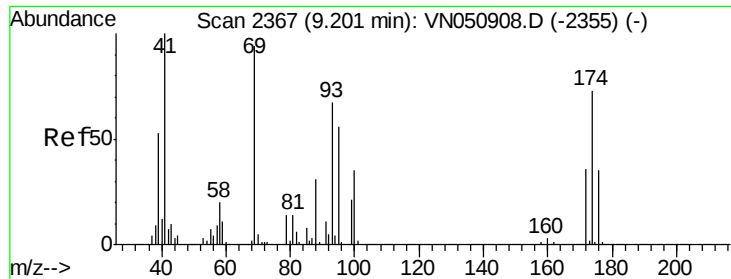
Tgt Ion: 43 Resp: 112976
Ion Ratio Lower Upper
43 100
45 14.9 10.2 15.2



#44
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 43 Resp: 217803
Ion Ratio Lower Upper
43 100
61 20.8 16.3 24.5

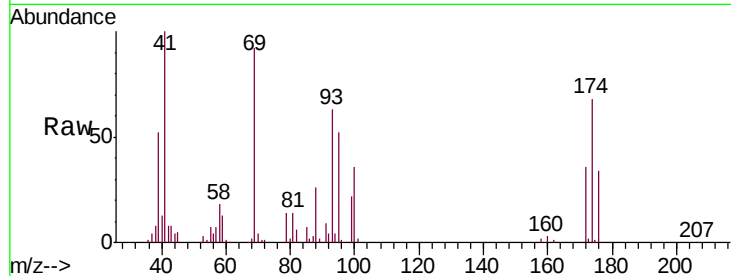




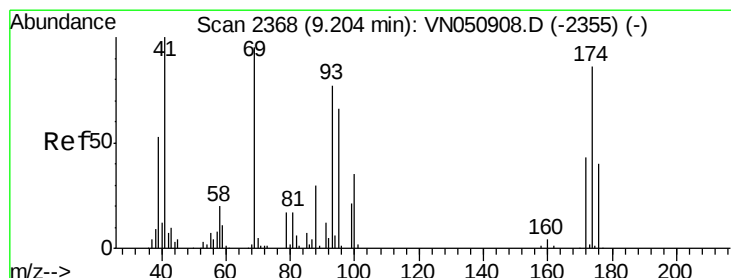
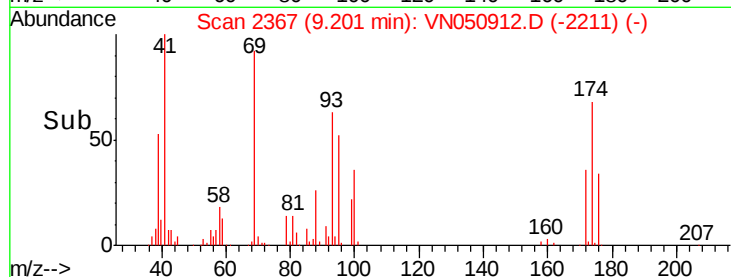
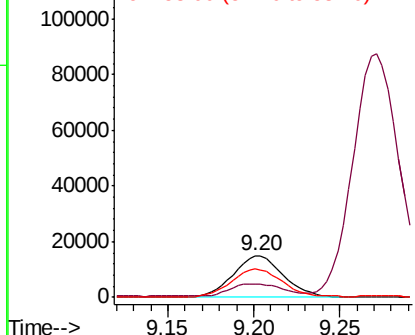
#45
 1,4-Dioxane
 Concen: 357.755 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tgt Ion: 88 Resp: 30343
 Ion Ratio Lower Upper
 88 100
 43 32.0 23.5 35.3
 58 69.7 55.2 82.8

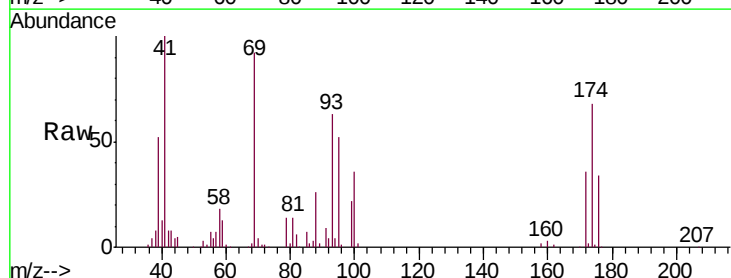


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

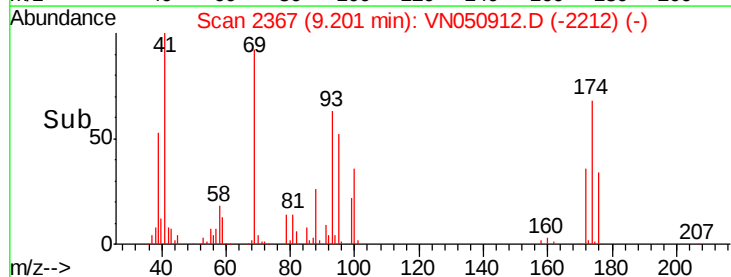
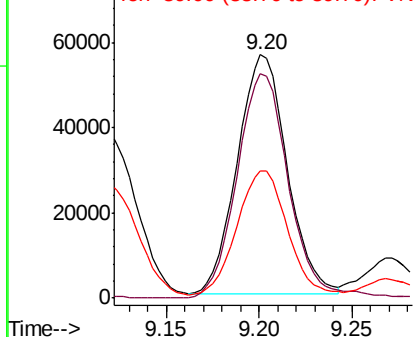


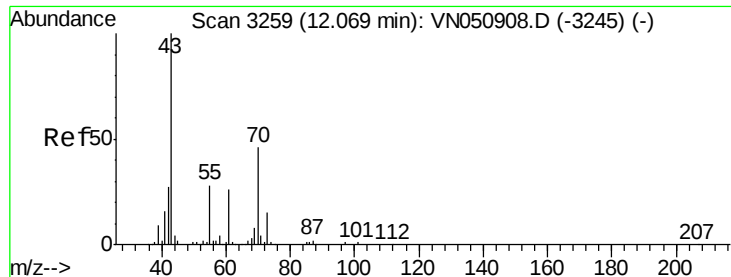
#46
 Methyl methacrylate
 Concen: 18.423 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 41 Resp: 105351
 Ion Ratio Lower Upper
 41 100
 69 93.4 47.4 142.2
 39 51.9 26.6 79.7



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

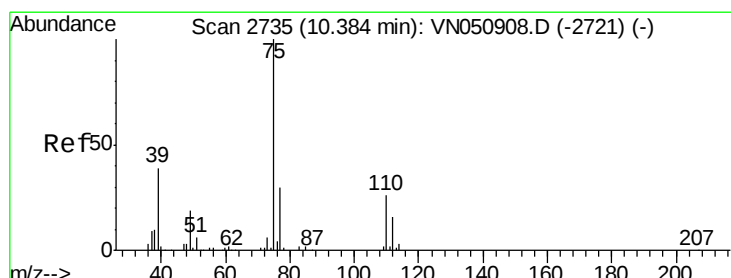
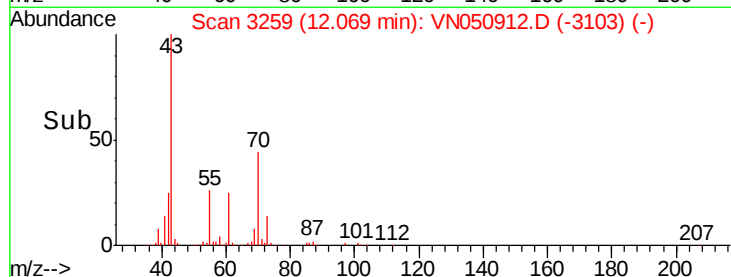
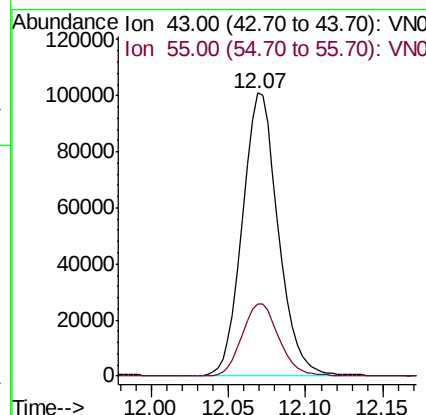
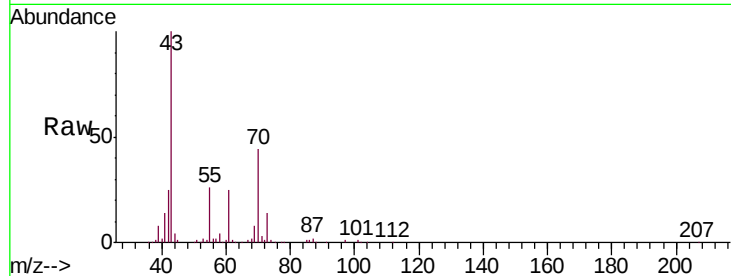




#47
n-amyl Acetate
Concen: 17.631 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

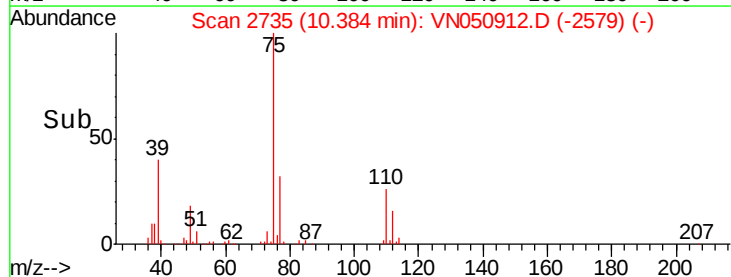
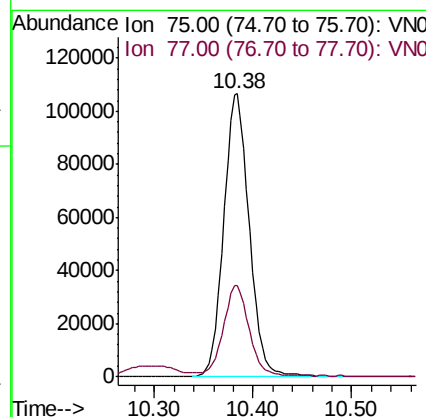
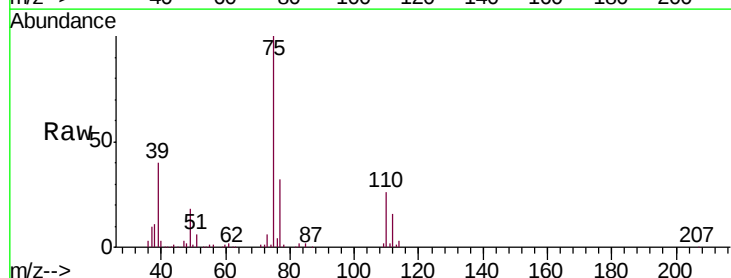
Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

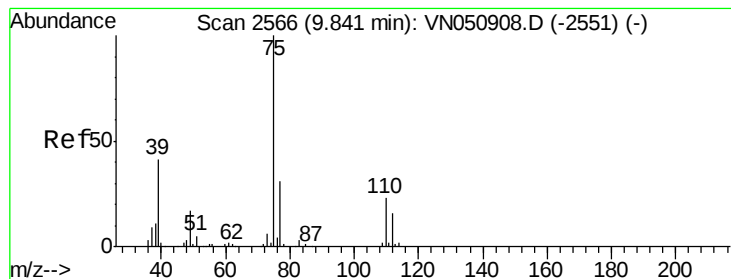
Tgt Ion: 43 Resp: 161846
Ion Ratio Lower Upper
43 100
55 26.6 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 18.752 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 75 Resp: 193627
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2



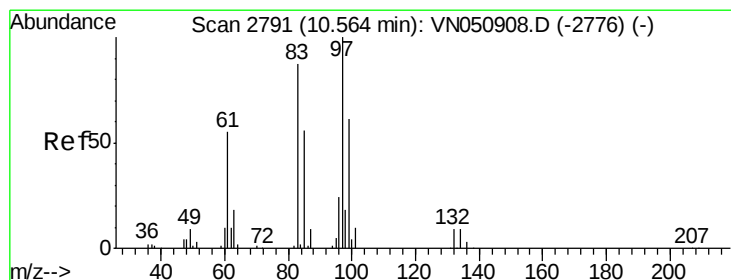
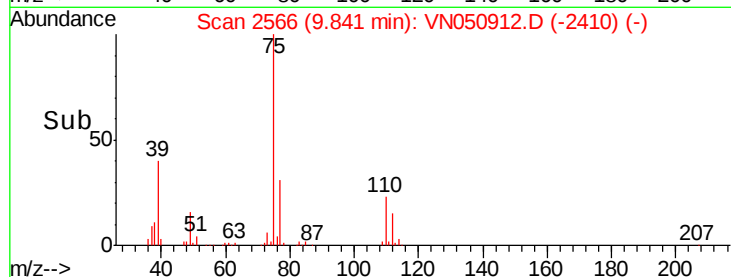
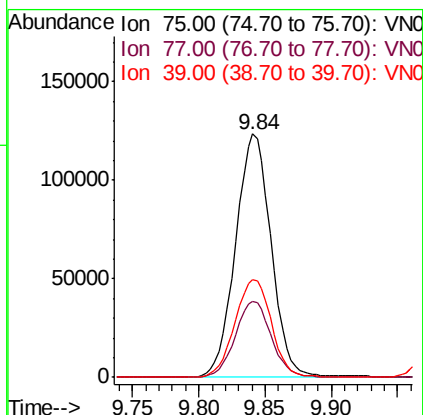
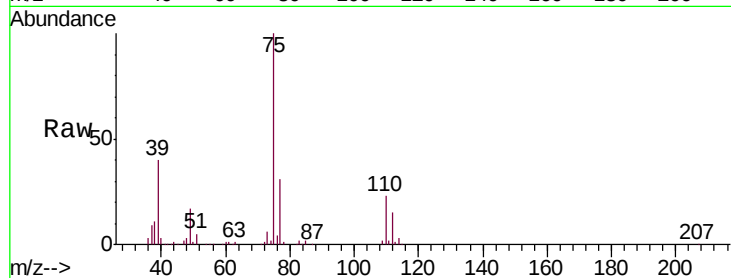


#49

cis-1,3-Dichloropropene
 Concen: 19.415 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

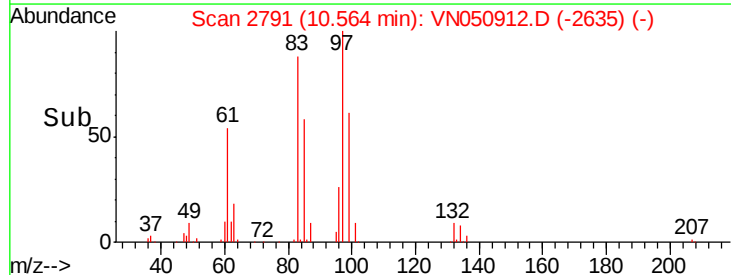
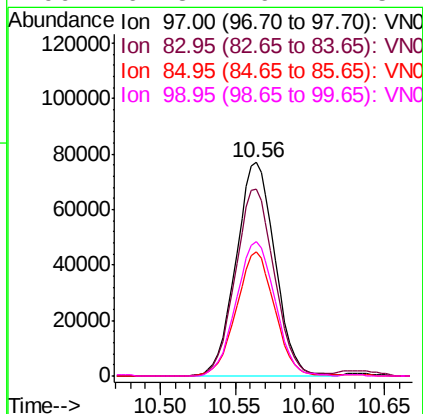
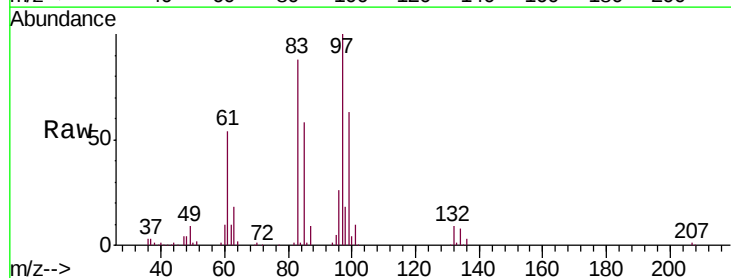
Tgt Ion: 75 Resp: 230289
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4
 39 40.2 32.9 49.3

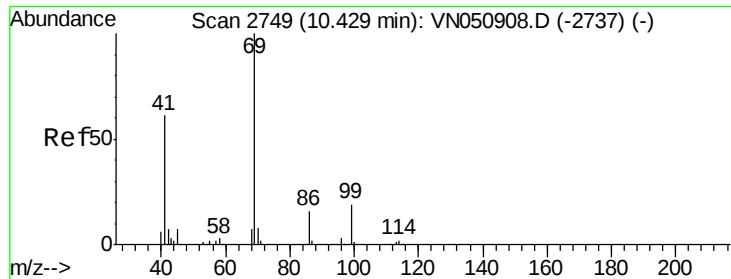


#50

1,1,2-Trichloroethane
 Concen: 19.183 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 97 Resp: 139281
 Ion Ratio Lower Upper
 97 100
 83 87.7 69.8 104.6
 85 58.2 45.0 67.6
 99 62.8 49.1 73.7





#51

Ethyl methacrylate

Concen: 18.206 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

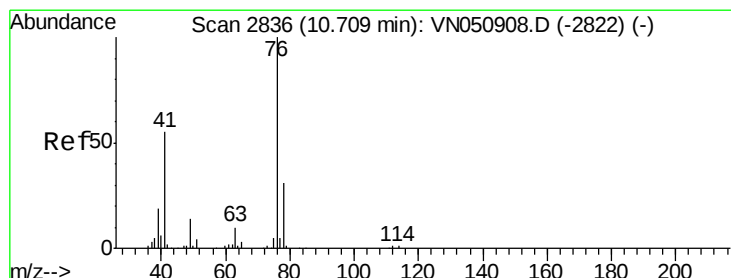
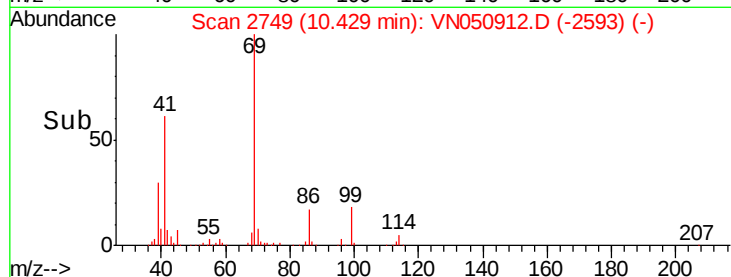
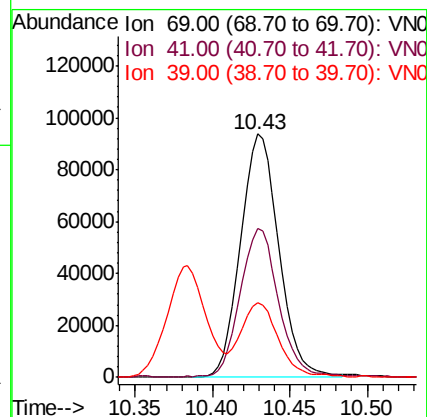
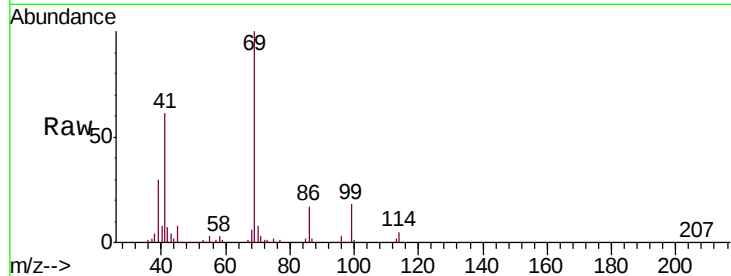
Tgt Ion: 69 Resp: 161735

Ion Ratio Lower Upper

69 100

41 60.5 30.5 91.5

39 29.9 15.3 45.8



#52

1,3-Dichloropropane

Concen: 19.124 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050912.D

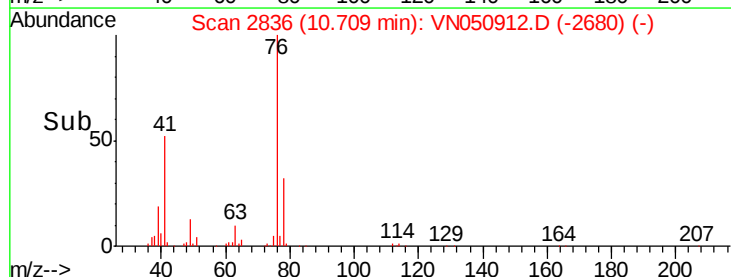
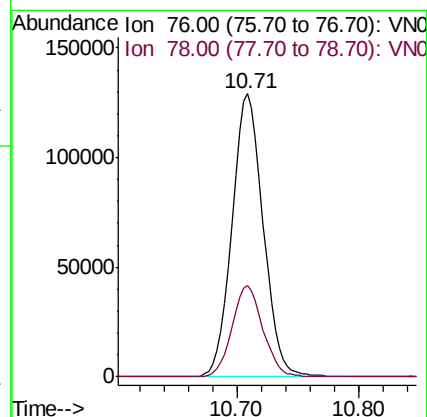
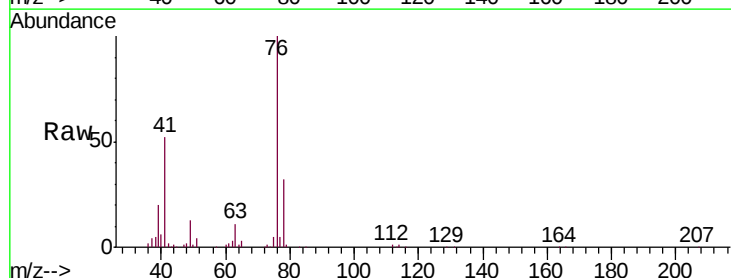
Acq: 28 Aug 2018 14:18

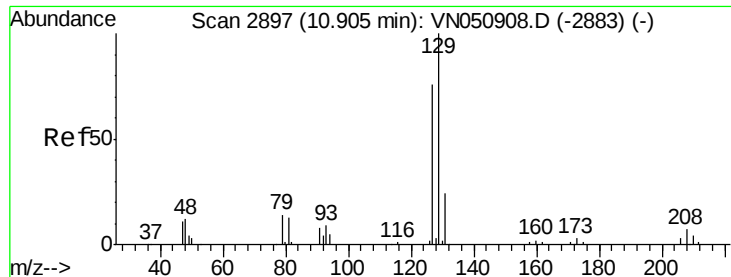
Tgt Ion: 76 Resp: 230003

Ion Ratio Lower Upper

76 100

78 32.1 0.0 63.4





#53

Dibromochloromethane

Concen: 18.539 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

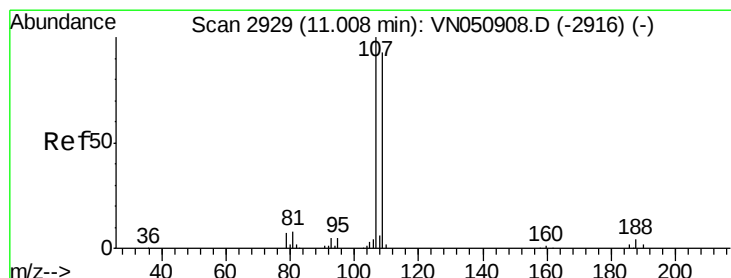
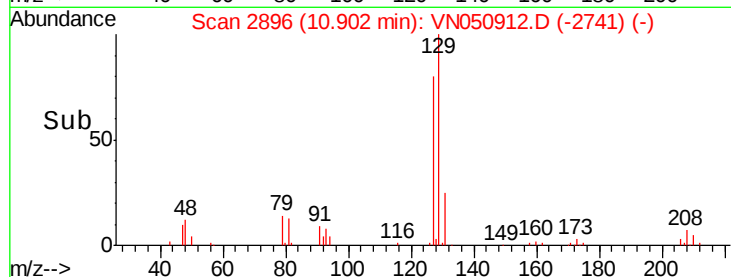
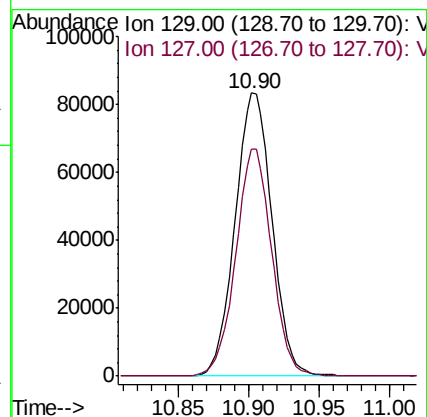
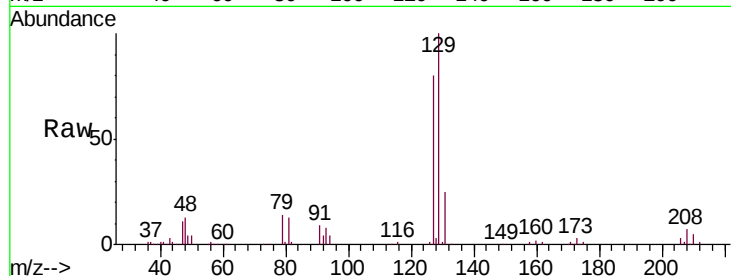
VSTDICV020

Tgt Ion:129 Resp: 153058

Ion Ratio Lower Upper

129 100

127 78.1 39.0 116.9



#54

1,2-Dibromoethane

Concen: 18.591 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050912.D

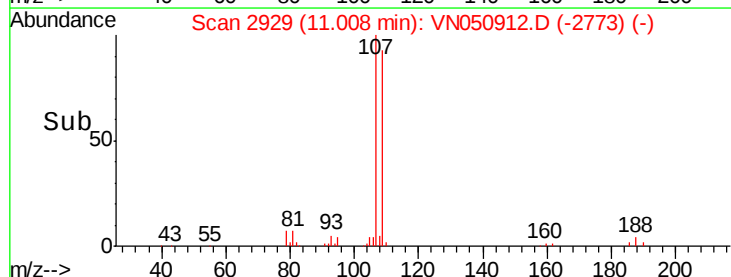
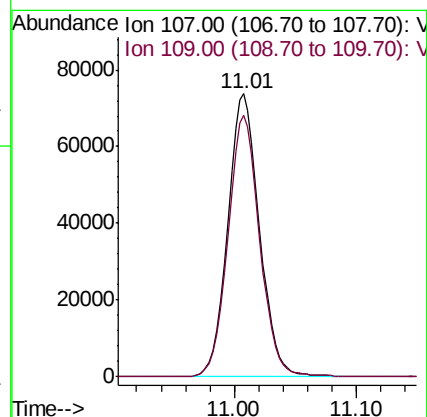
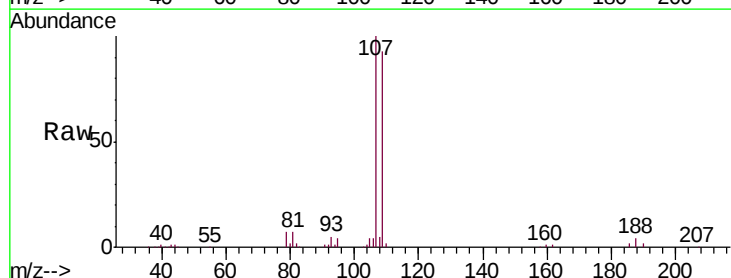
Acq: 28 Aug 2018 14:18

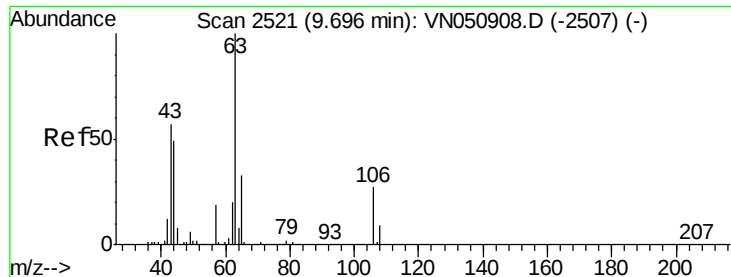
Tgt Ion:107 Resp: 133476

Ion Ratio Lower Upper

107 100

109 92.5 74.4 111.6

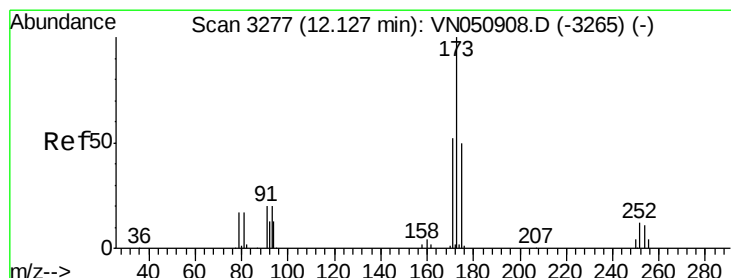
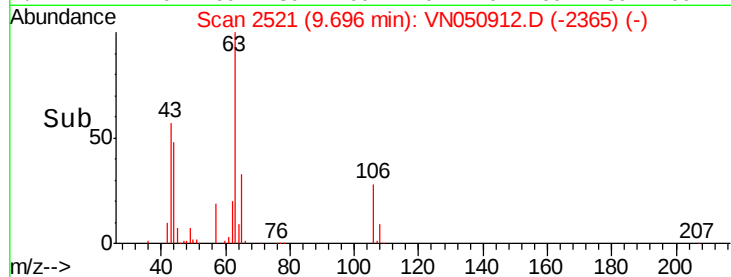
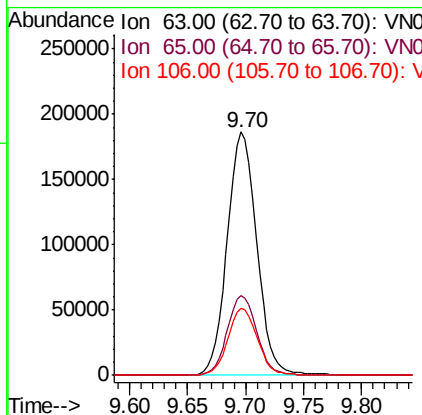
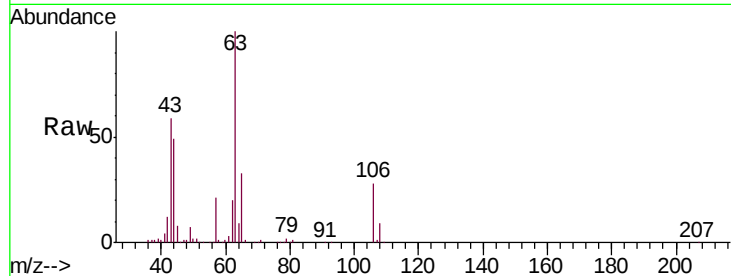




#55
 2-Chloroethyl vinyl ether
 Concen: 89.509 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

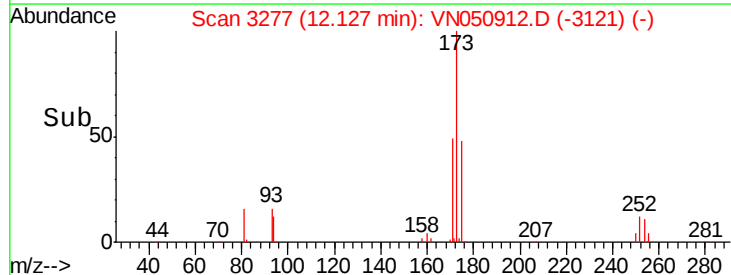
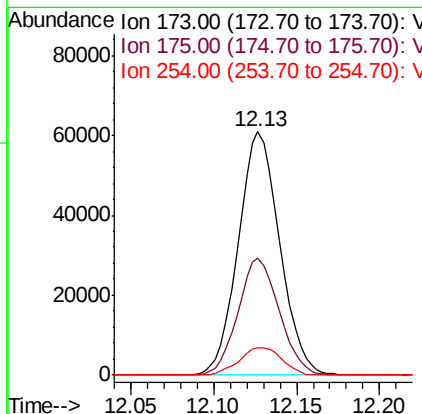
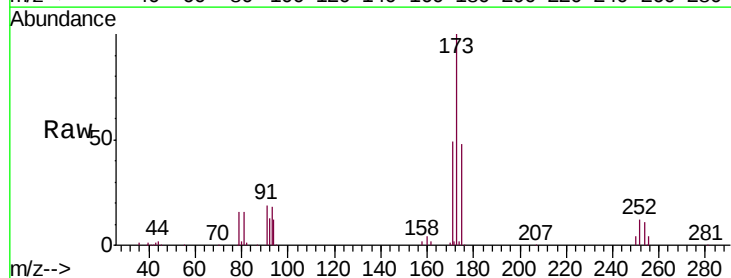
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

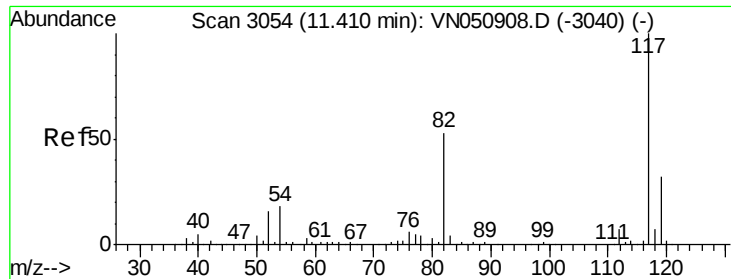
Tgt Ion: 63 Resp: 330853
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.4 38.2
 106 27.4 22.0 33.0



#56
 Bromoform
 Concen: 18.007 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 173 Resp: 105737
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.2 58.8
 254 11.7 9.0 13.6

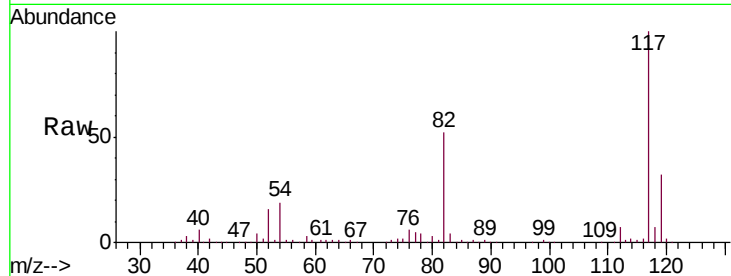




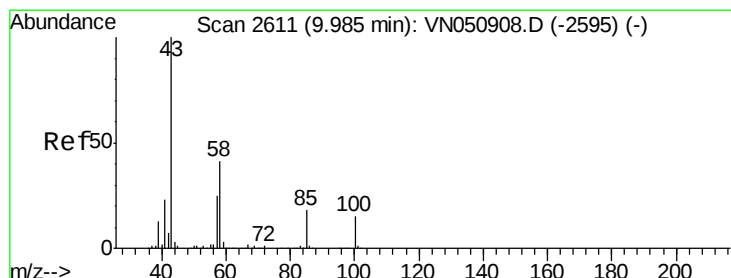
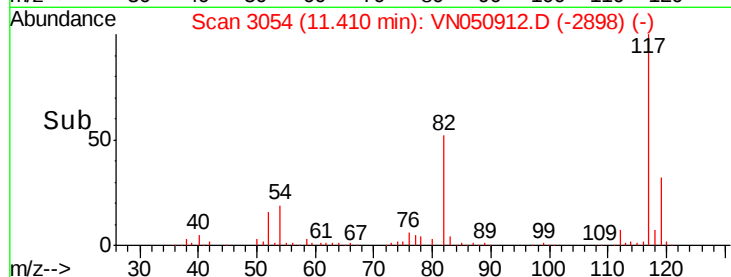
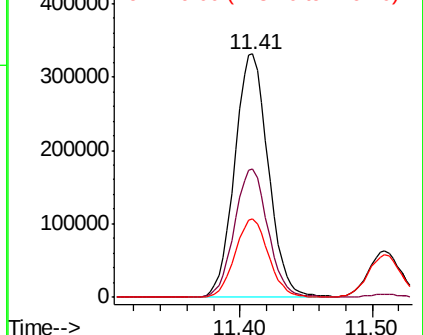
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tgt Ion: 117 Resp: 584860
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 32.2 25.7 38.5

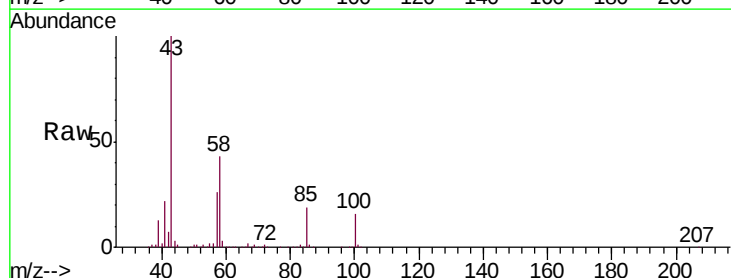


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

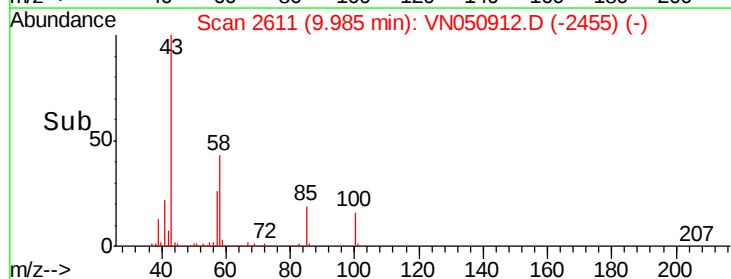
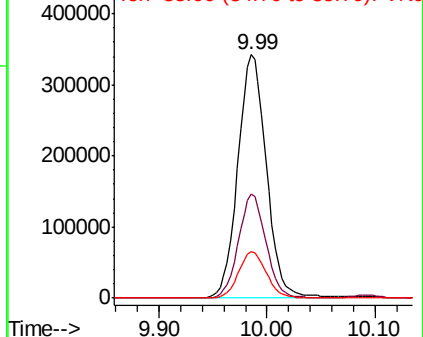


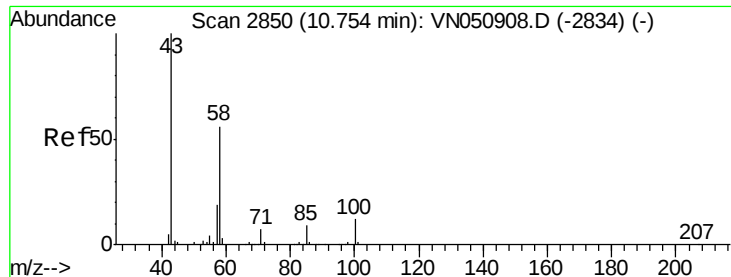
#58
4-Methyl-2-Pentanone
Concen: 94.199 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 43 Resp: 630356
Ion Ratio Lower Upper
43 100
58 41.3 32.3 48.5
85 18.6 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

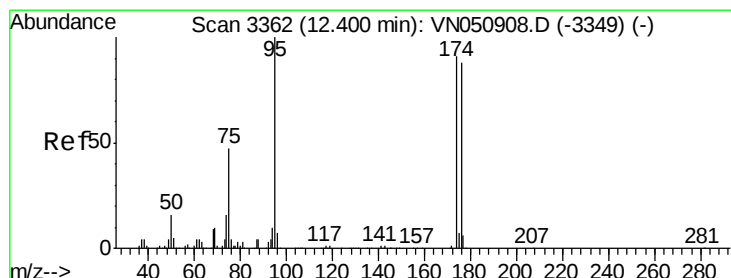
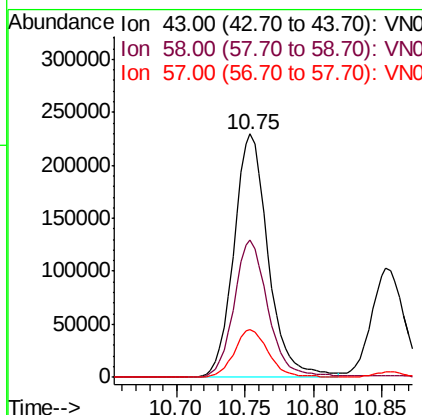
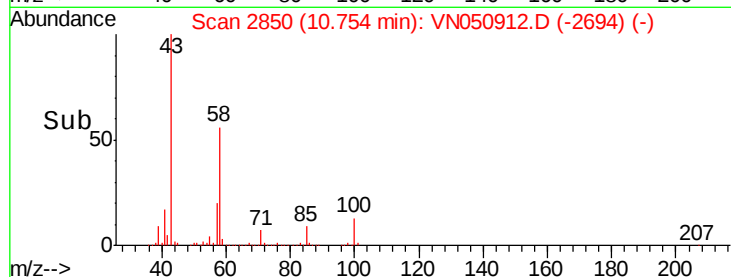
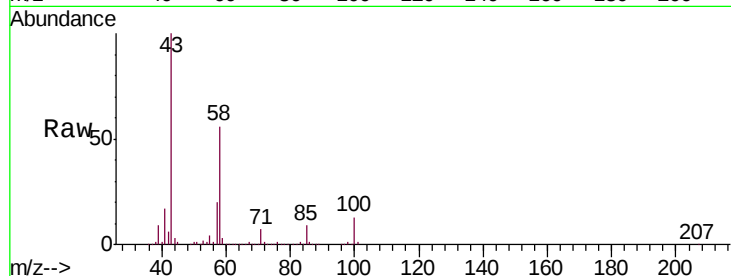




#59
2-Hexanone
Concen: 91.328 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

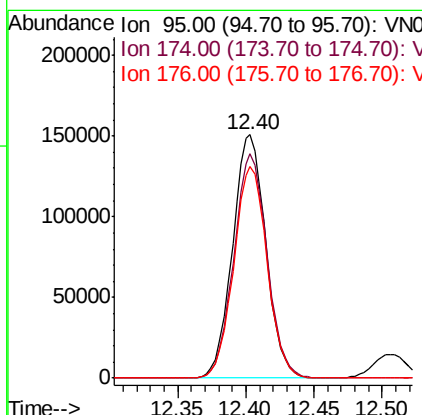
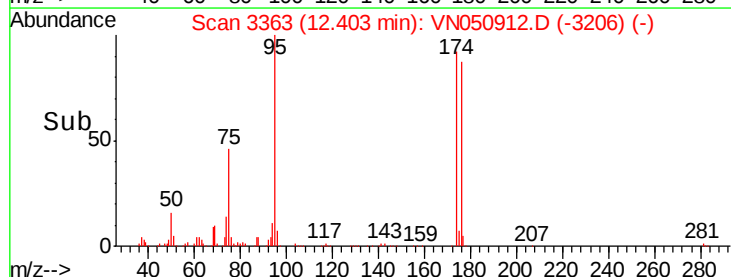
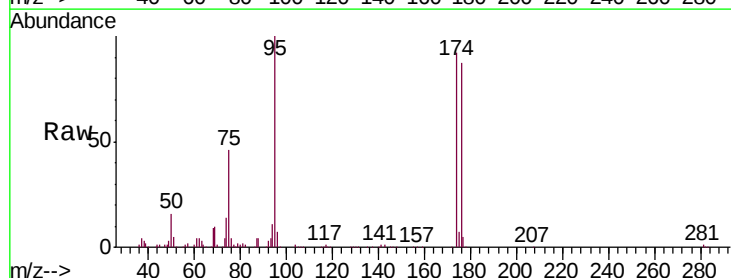
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

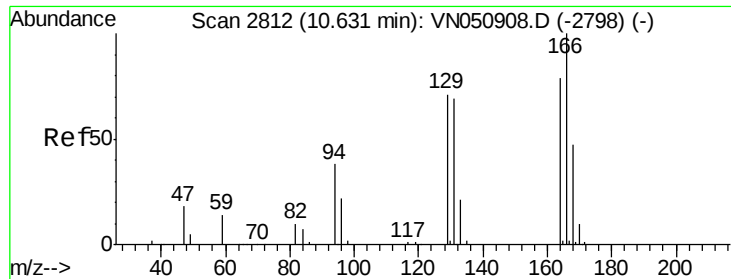
Tgt Ion: 43 Resp: 399469
Ion Ratio Lower Upper
43 100
58 56.7 45.5 68.3
57 19.5 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.278 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 95 Resp: 254635
Ion Ratio Lower Upper
95 100
174 92.3 74.6 112.0
176 87.4 71.5 107.3





#61

Tetrachloroethene

Concen: 20.502 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tgt Ion:164 Resp: 149416

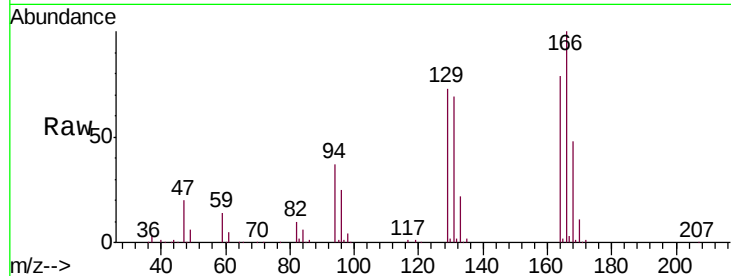
Ion Ratio Lower Upper

164 100

166 125.6 100.6 151.0

129 92.2 71.0 106.6

131 86.4 69.3 103.9

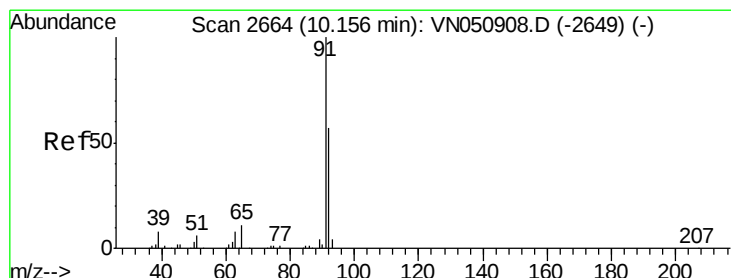
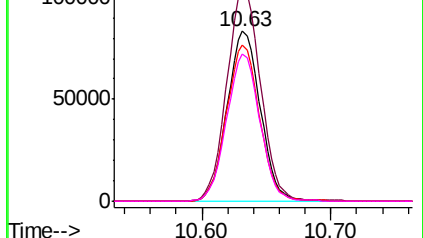
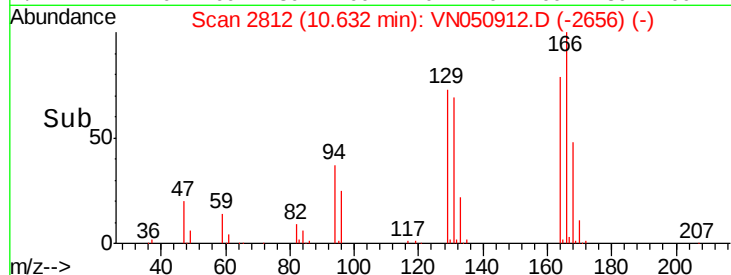


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.096 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050912.D

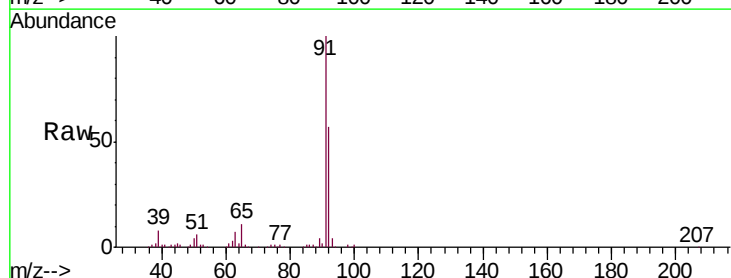
Acq: 28 Aug 2018 14:18

Tgt Ion: 91 Resp: 655698

Ion Ratio Lower Upper

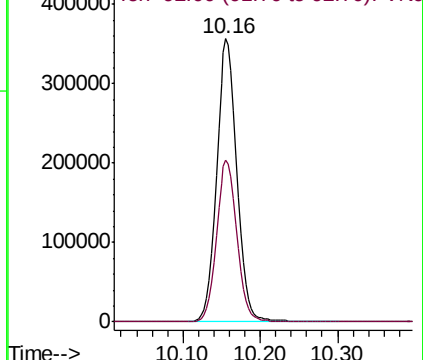
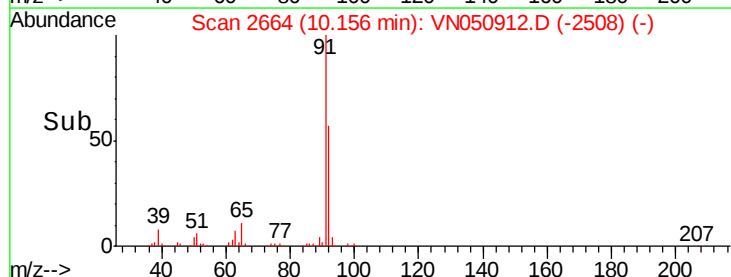
91 100

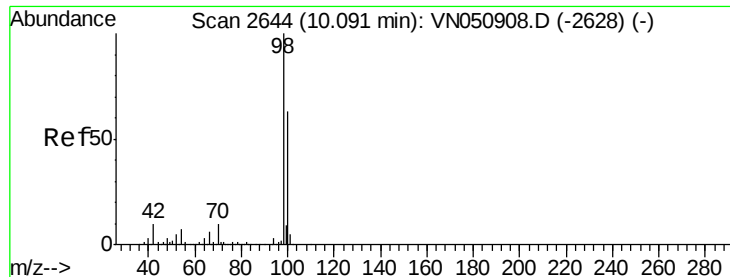
92 57.5 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.785 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

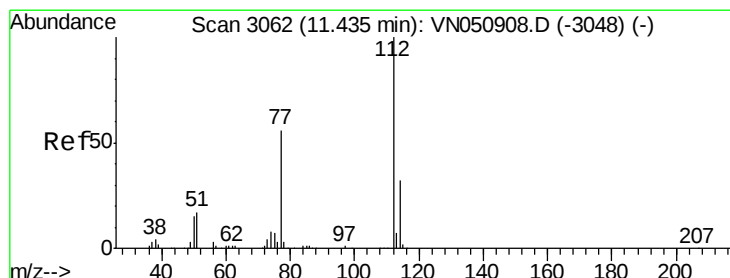
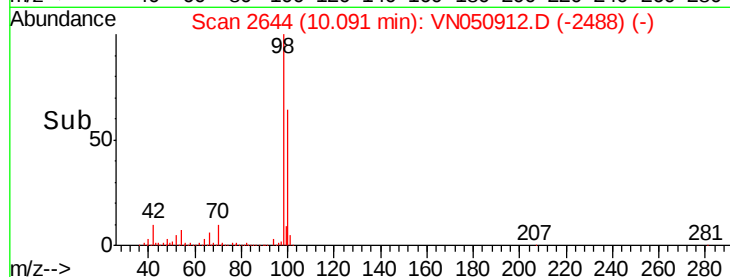
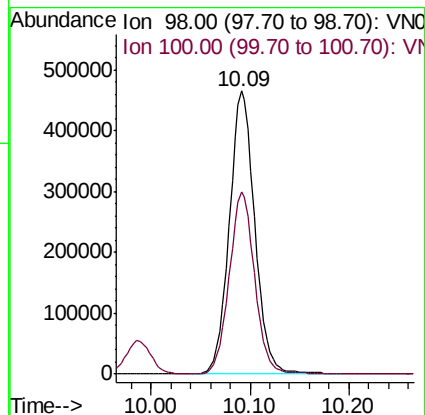
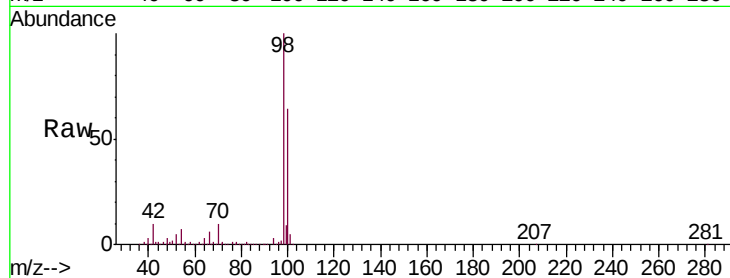
VSTDICV020

Tgt Ion: 98 Resp: 839630

Ion Ratio Lower Upper

98 100

100 64.4 50.6 75.8



#64

Chlorobenzene

Concen: 19.868 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050912.D

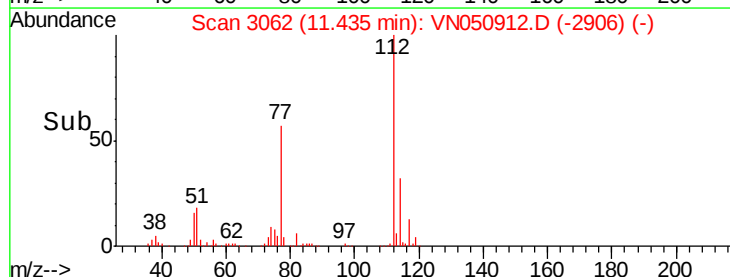
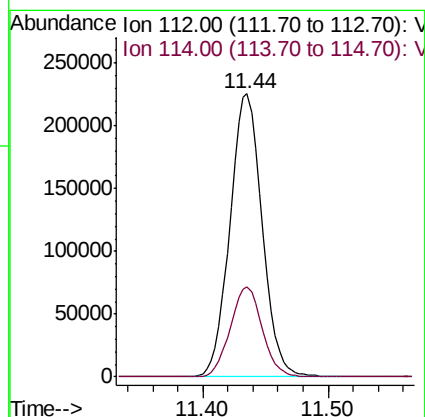
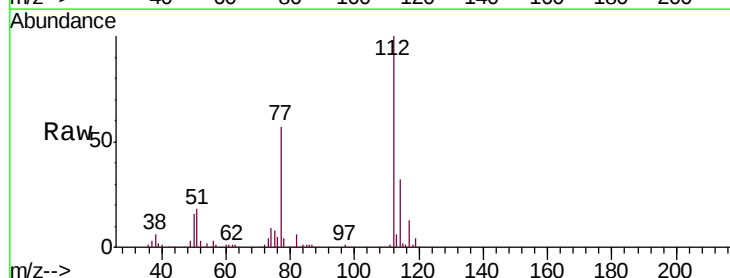
Acq: 28 Aug 2018 14:18

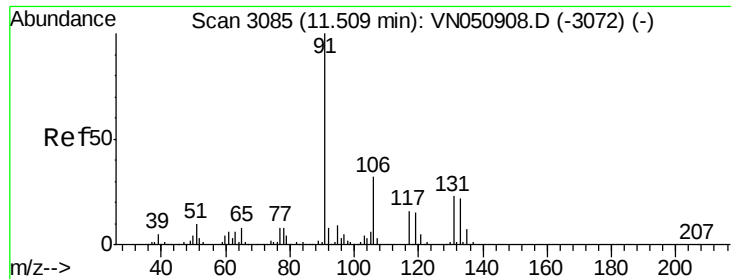
Tgt Ion: 112 Resp: 401773

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.240 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

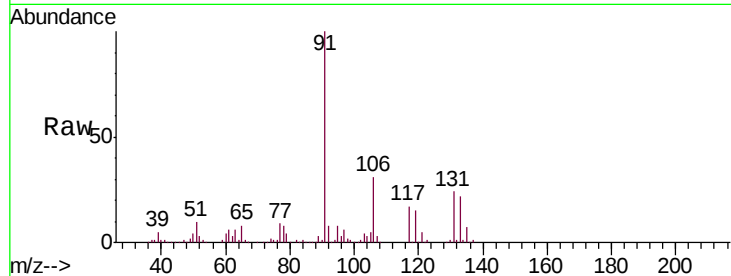
Tgt Ion:131 Resp: 154534

Ion Ratio Lower Upper

131 100

133 93.7 0.0 189.4

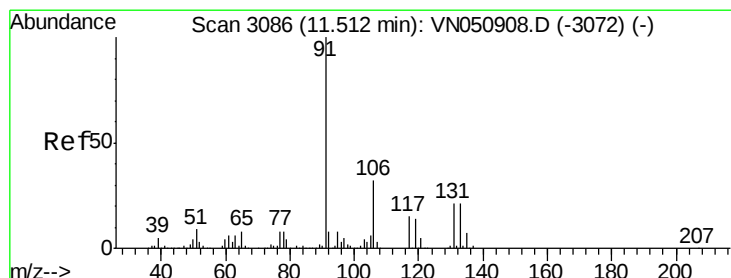
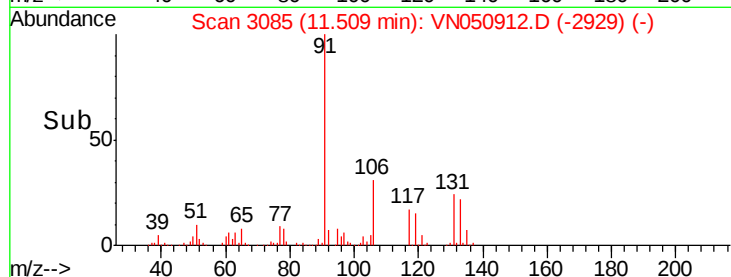
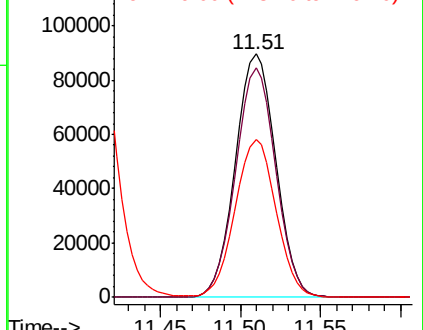
119 65.8 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.517 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050912.D

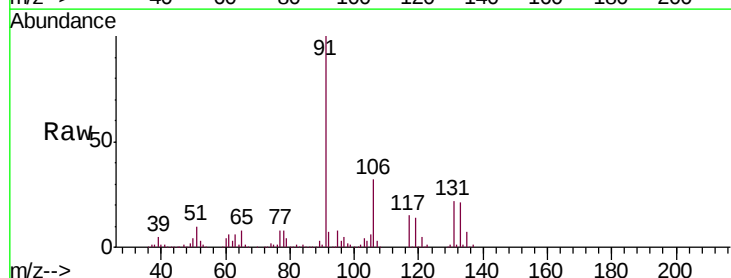
Acq: 28 Aug 2018 14:18

Tgt Ion: 91 Resp: 659632

Ion Ratio Lower Upper

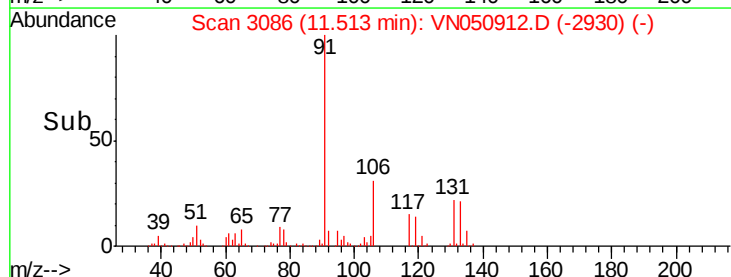
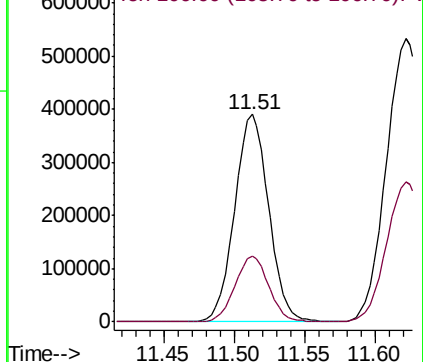
91 100

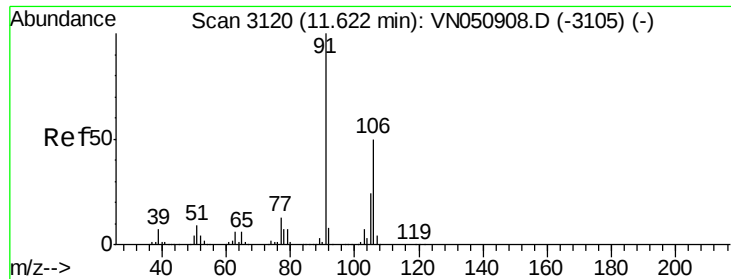
106 31.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.716 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

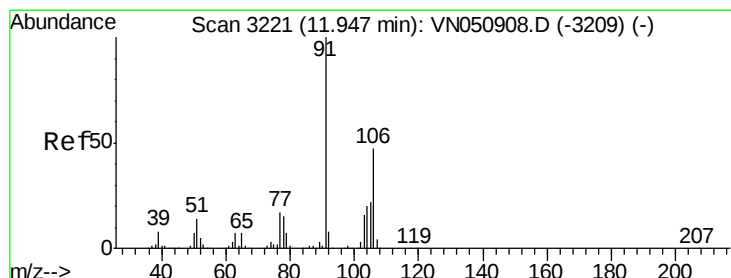
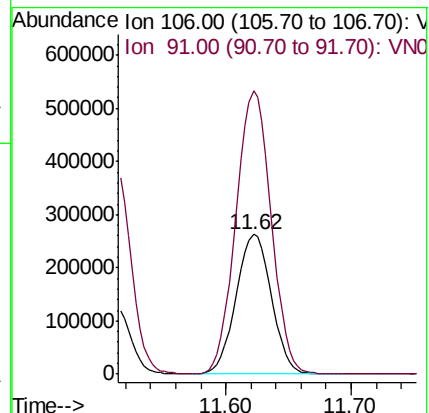
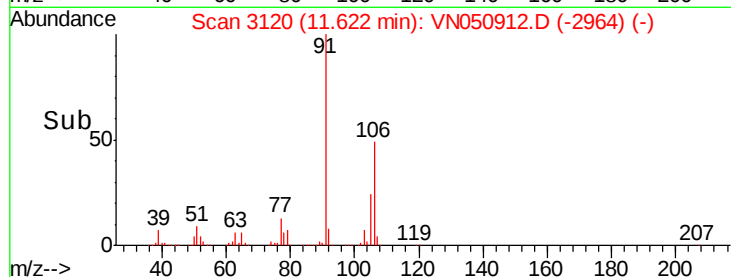
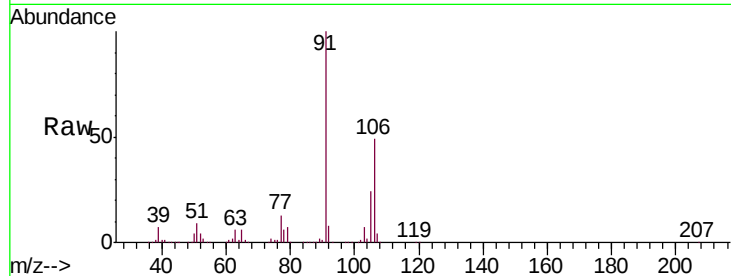
VSTDICV020

Tgt Ion:106 Resp: 516470

Ion Ratio Lower Upper

106 100

91 201.8 160.6 241.0



#68

o-Xylene

Concen: 19.823 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050912.D

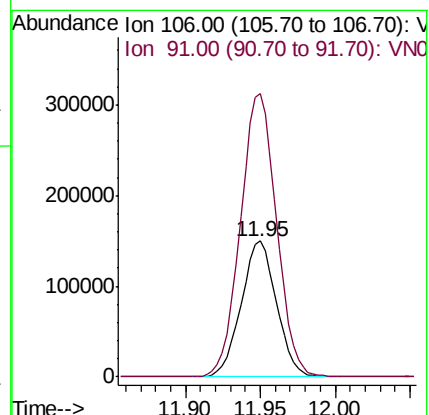
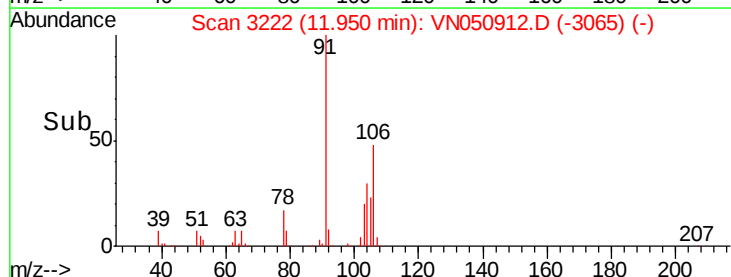
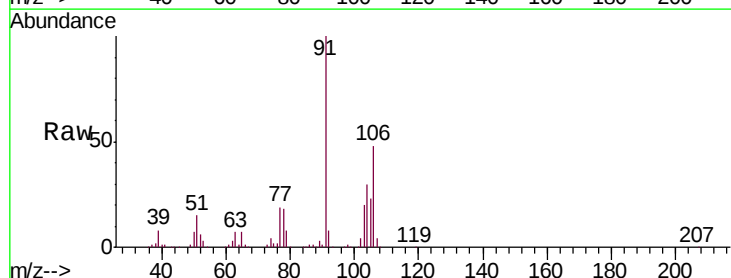
Acq: 28 Aug 2018 14:18

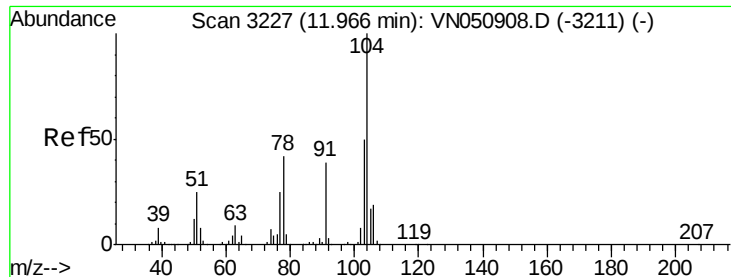
Tgt Ion:106 Resp: 246310

Ion Ratio Lower Upper

106 100

91 212.9 106.4 319.2

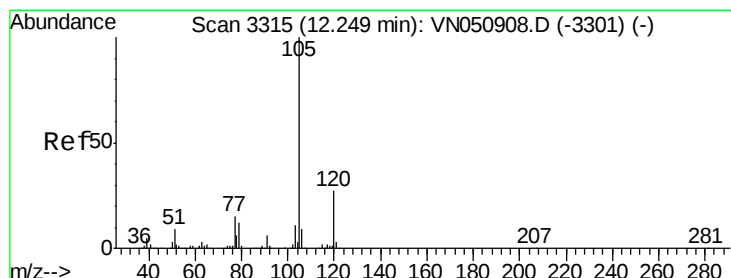
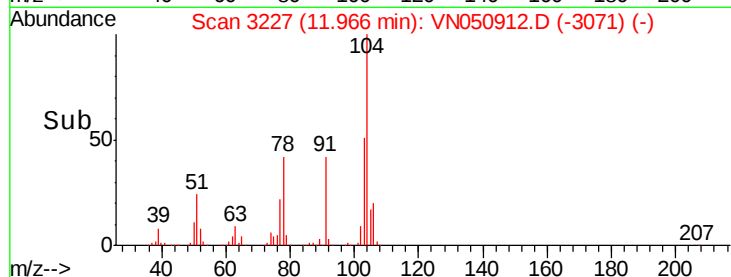
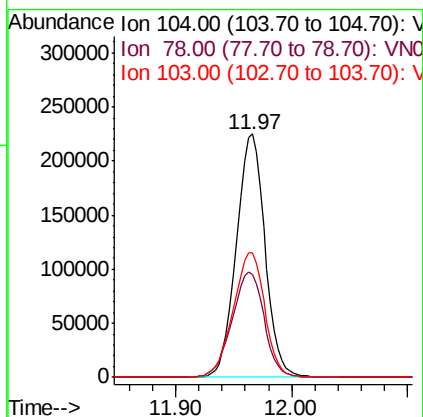
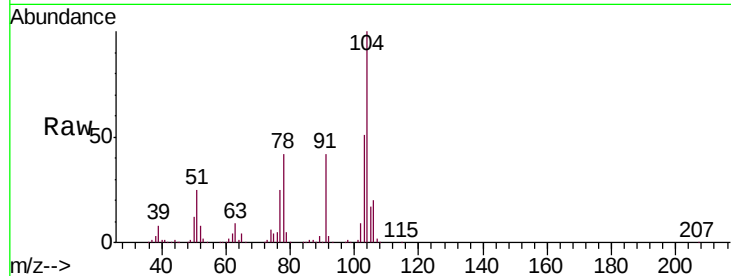




#69
Styrene
Concen: 19.481 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

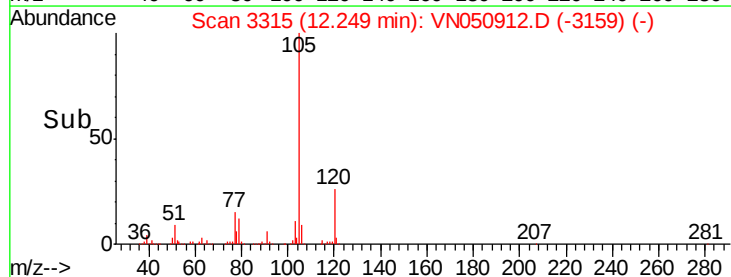
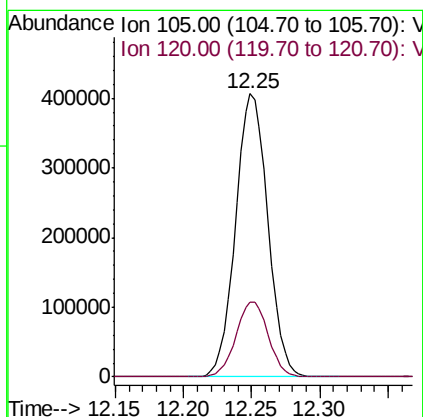
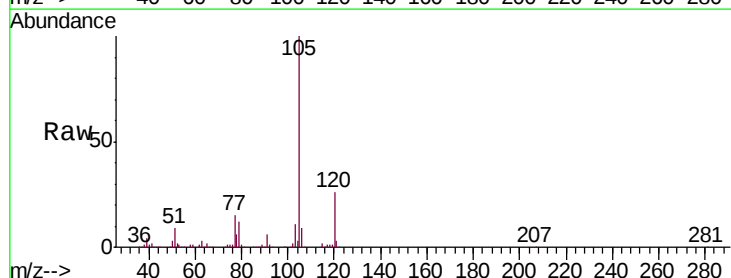
Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

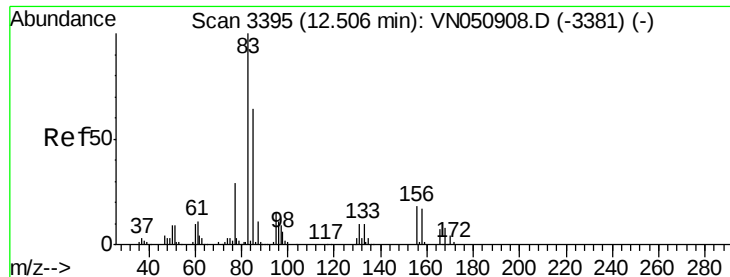
Tgt Ion:104 Resp: 384856
Ion Ratio Lower Upper
104 100
78 48.5 38.6 58.0
103 56.7 45.4 68.2



#70
Isopropylbenzene
Concen: 20.135 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion:105 Resp: 664795
Ion Ratio Lower Upper
105 100
120 26.5 18.6 34.6

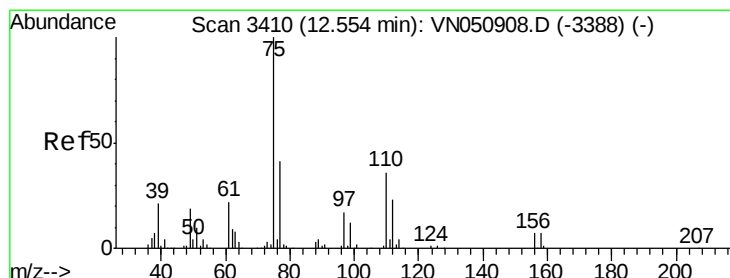
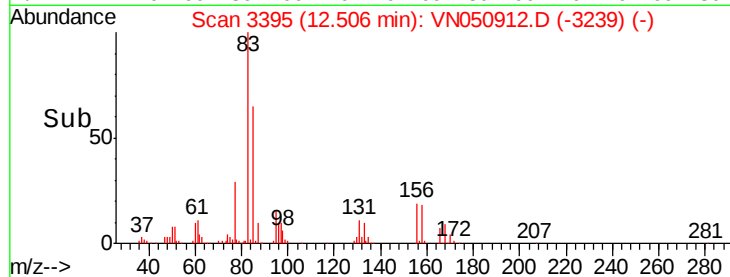
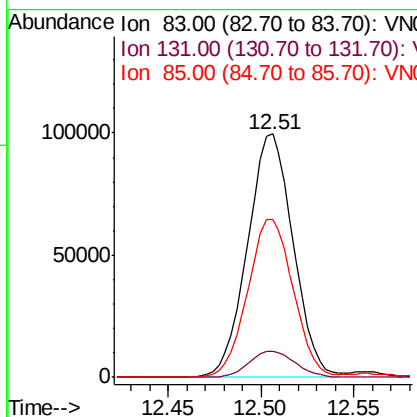
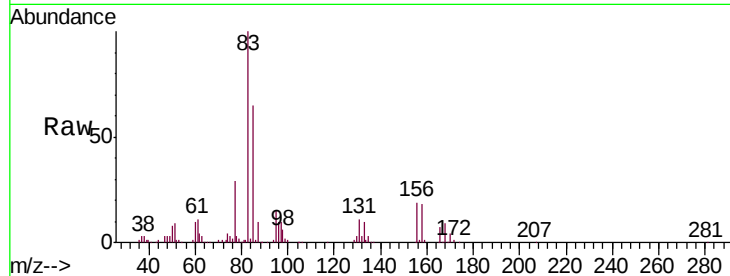




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.120 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

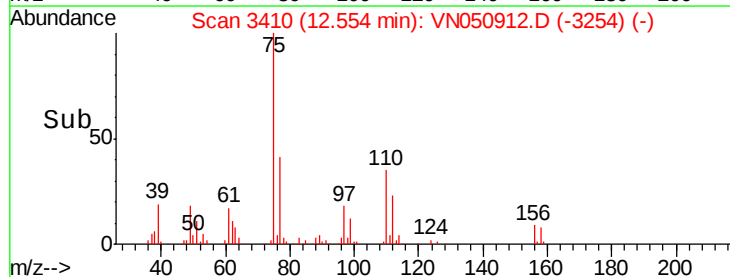
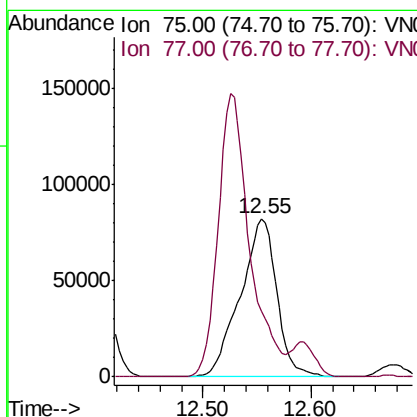
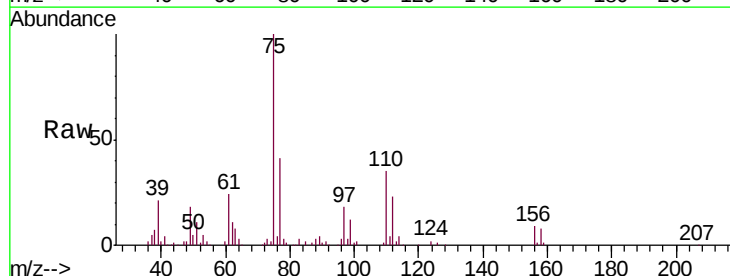
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICV020

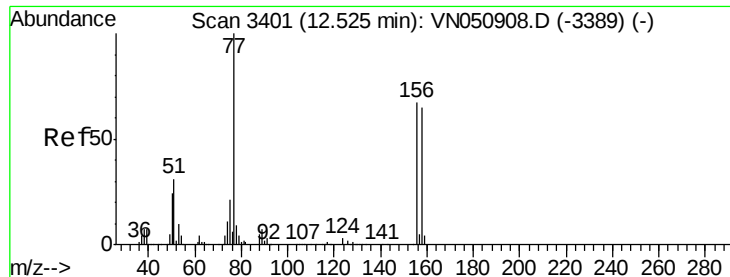
Tgt Ion: 83 Resp: 170923
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 15.9
 85 65.0 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 25.129 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 75 Resp: 193805
 Ion Ratio Lower Upper
 75 100
 77 154.2 0.0 301.6





#73

Bromobenzene

Concen: 19.311 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

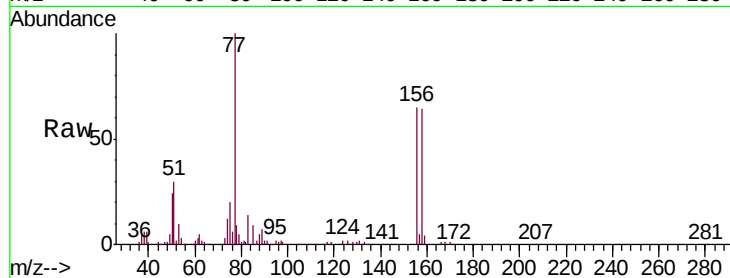
Tgt Ion: 156 Resp: 167758

Ion Ratio Lower Upper

156 100

77 178.2 0.0 359.4

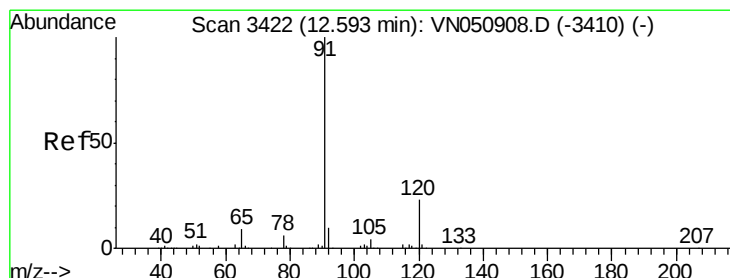
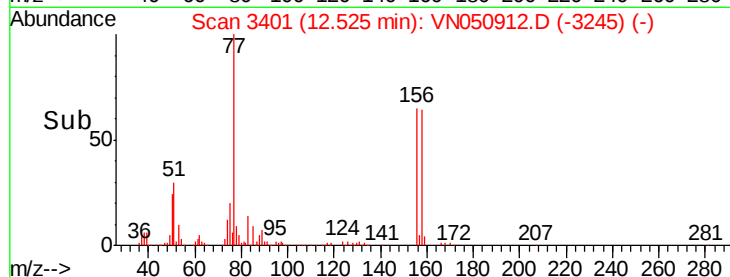
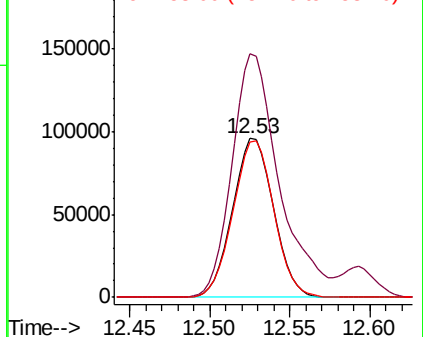
158 98.2 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.877 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050912.D

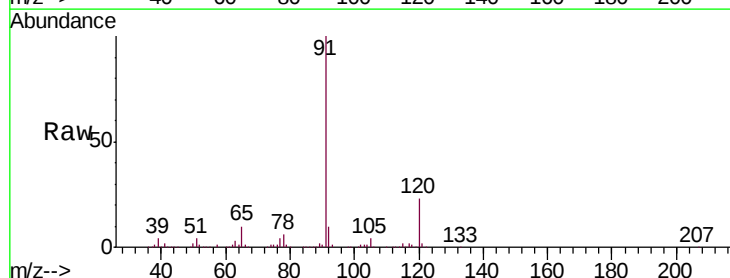
Acq: 28 Aug 2018 14:18

Tgt Ion: 91 Resp: 741972

Ion Ratio Lower Upper

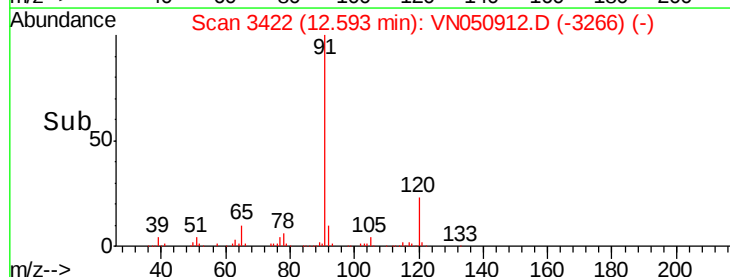
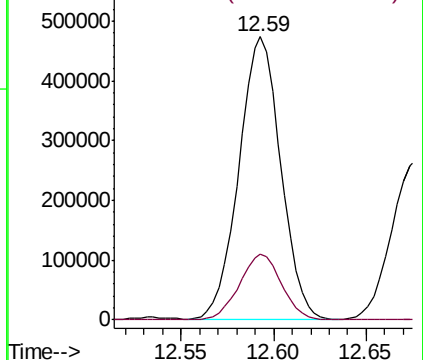
91 100

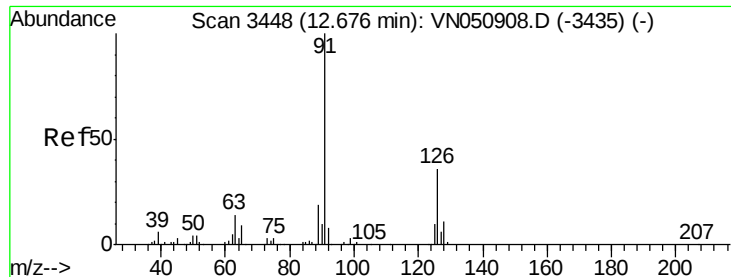
120 23.2 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.823 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

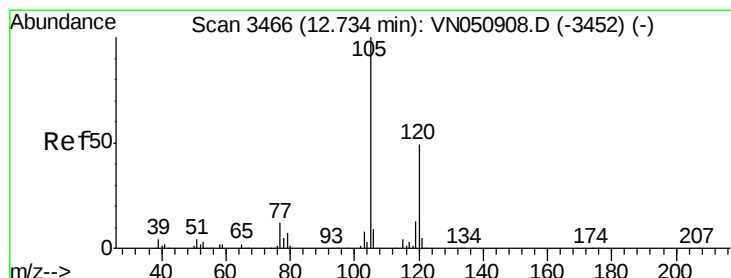
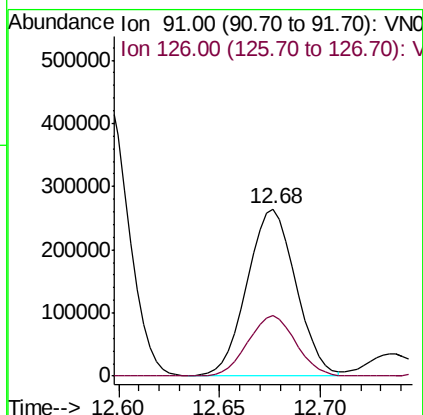
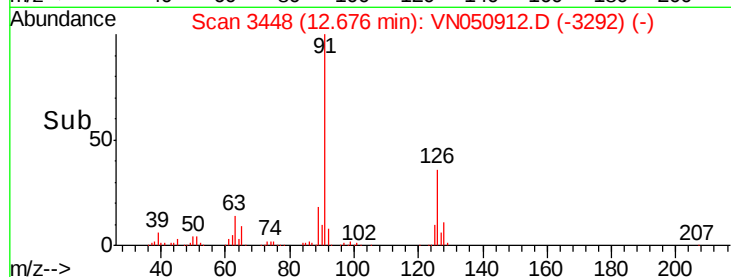
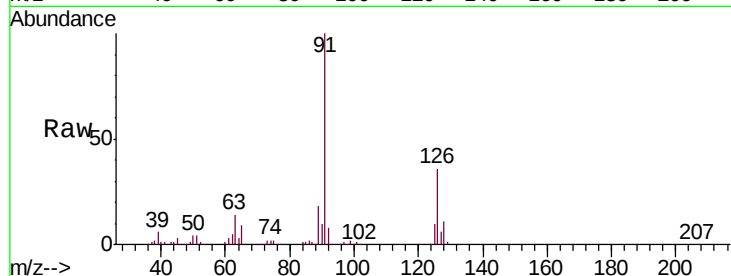
VSTDICV020

Tgt Ion: 91 Resp: 449545

Ion Ratio Lower Upper

91 100

126 35.7 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 20.032 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050912.D

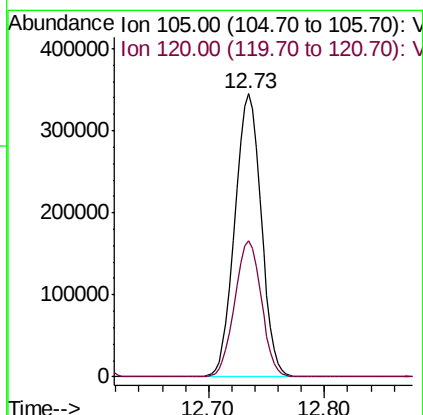
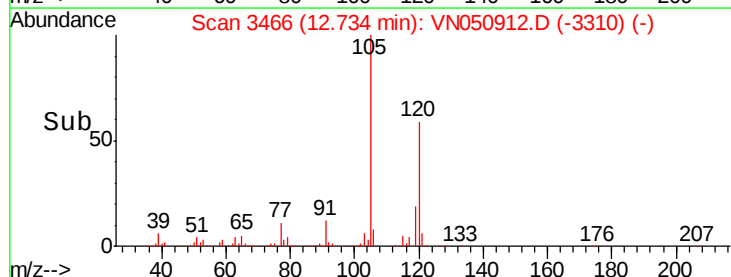
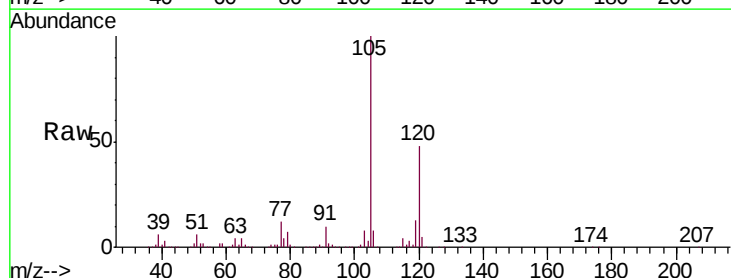
Acq: 28 Aug 2018 14:18

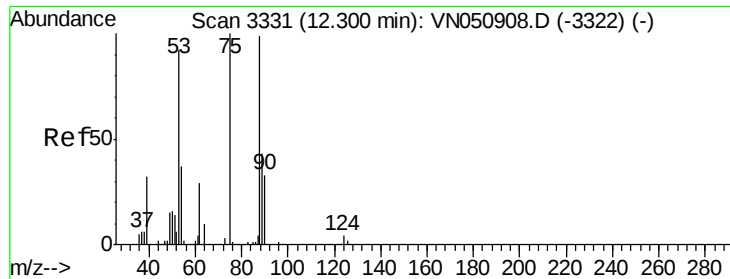
Tgt Ion: 105 Resp: 540493

Ion Ratio Lower Upper

105 100

120 48.6 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.388 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050912.D

Acq: 28 Aug 2018 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

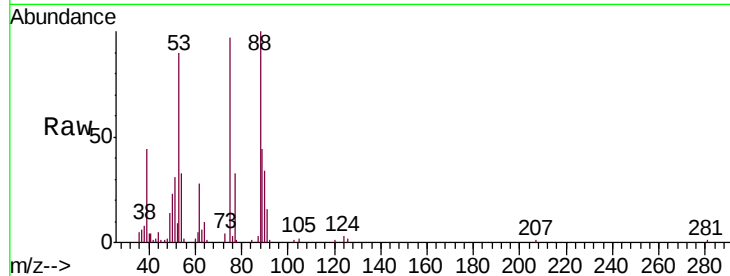
Tgt Ion: 75 Resp: 38205

Ion Ratio Lower Upper

75 100

53 92.2 45.5 136.4

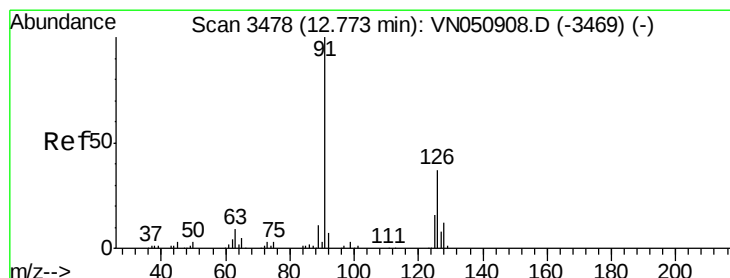
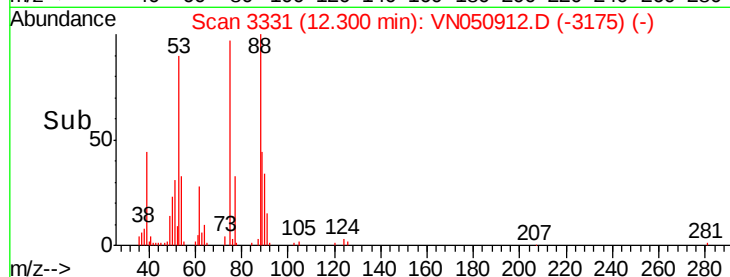
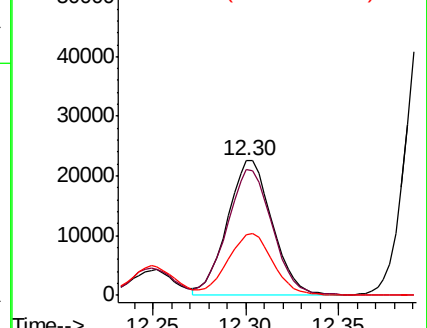
89 44.7 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN050912.D (-3175) (-)

Ion 53.00 (52.70 to 53.70): VN050912.D (-3175) (-)

Ion 89.00 (88.70 to 89.70): VN050912.D (-3175) (-)



#78

4-Chlorotoluene

Concen: 19.592 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050912.D

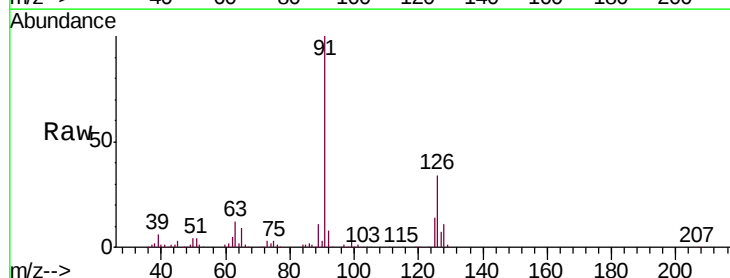
Acq: 28 Aug 2018 14:18

Tgt Ion: 91 Resp: 437476

Ion Ratio Lower Upper

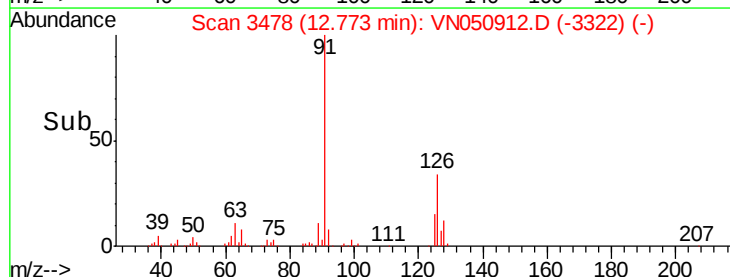
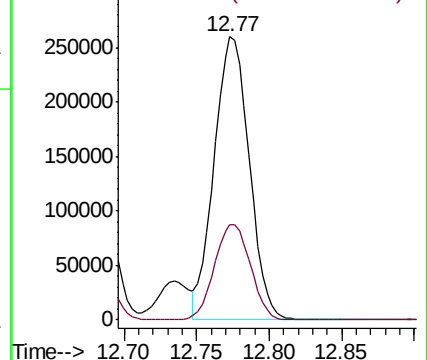
91 100

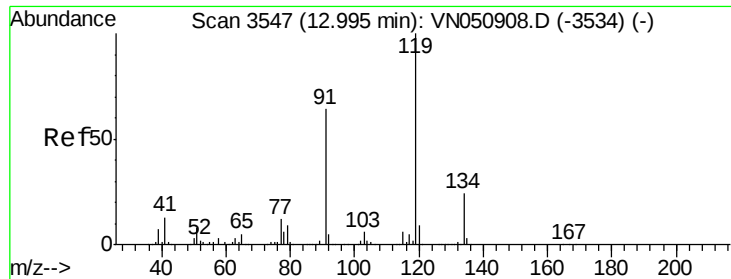
126 34.4 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN050912.D (-3322) (-)

Ion 126.00 (125.70 to 126.70): VN050912.D (-3322) (-)

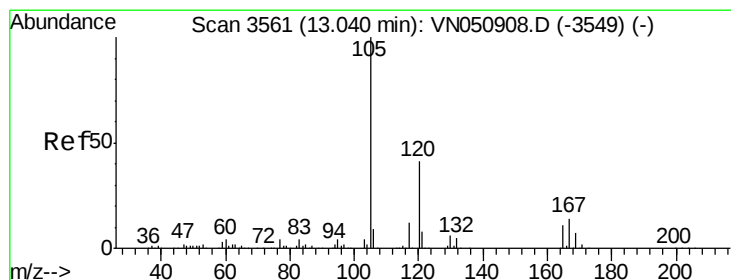
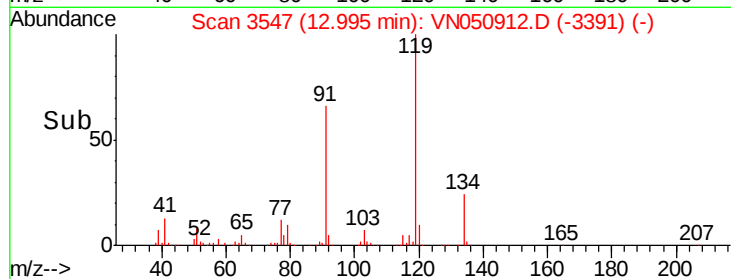
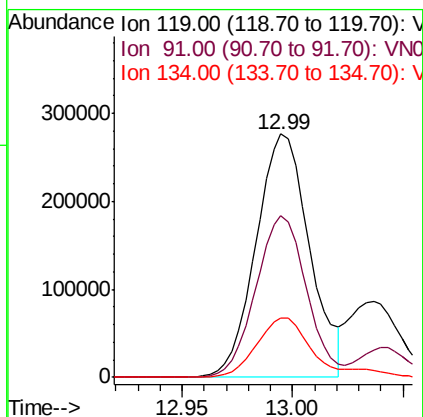
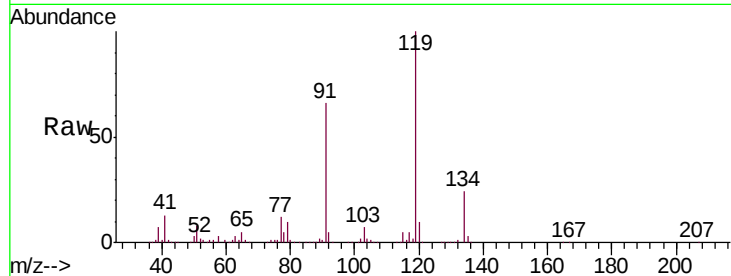




#79
tert-butylbenzene
Concen: 19.889 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

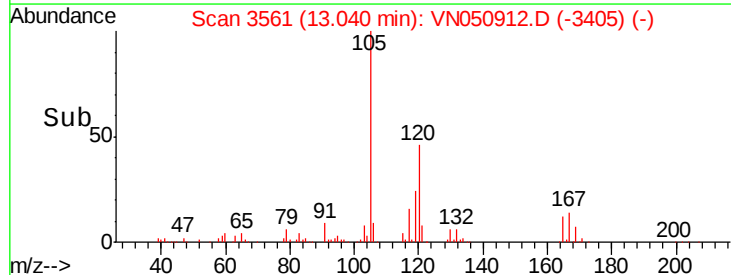
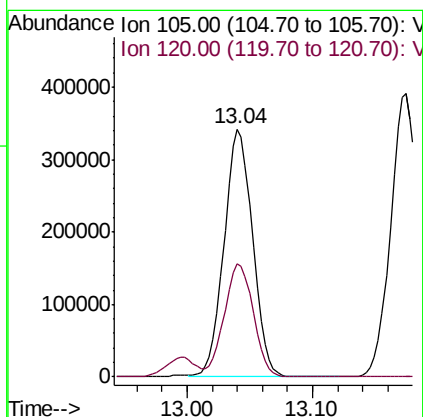
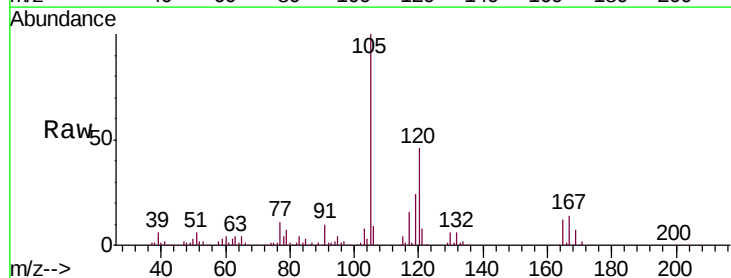
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

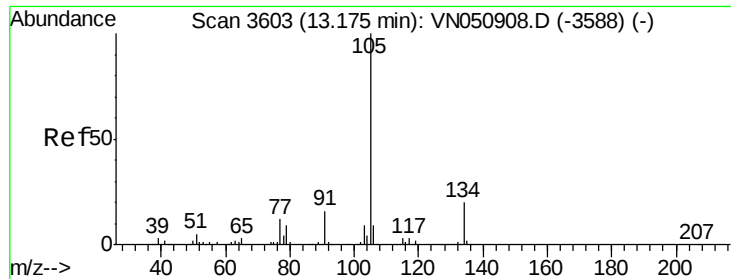
Tgt Ion:119 Resp: 466046
Ion Ratio Lower Upper
119 100
91 63.0 0.0 125.6
134 24.0 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 20.056 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion:105 Resp: 539541
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.6

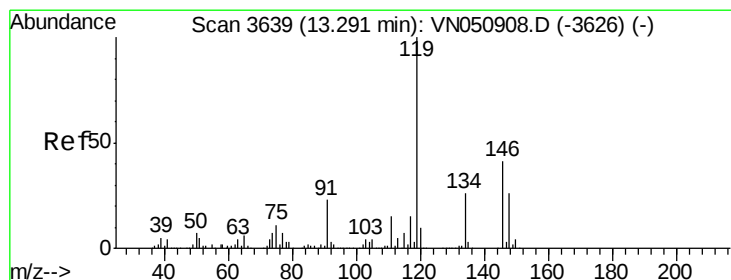
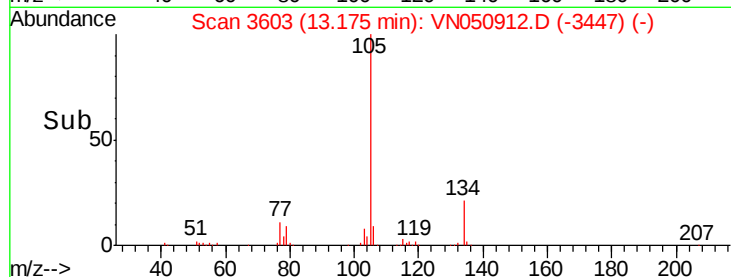
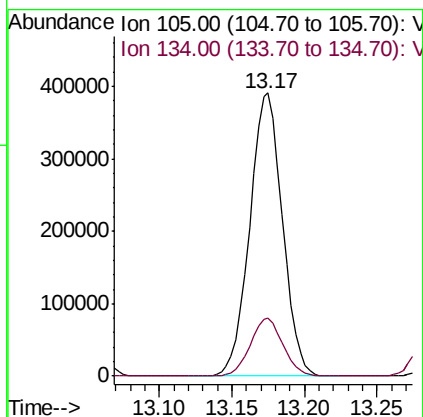
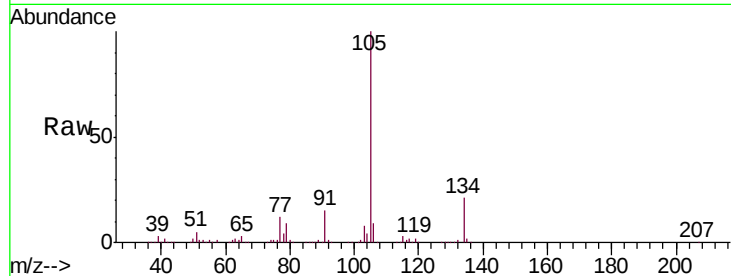




#81
 sec-Butylbenzene
 Concen: 20.011 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

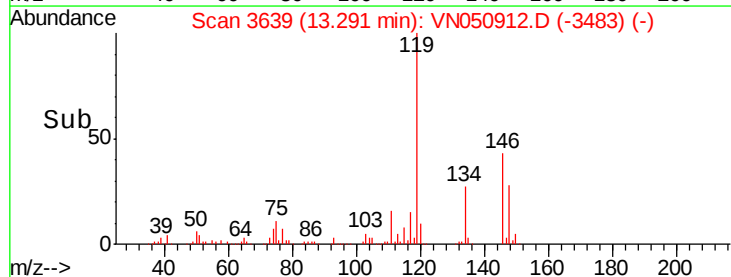
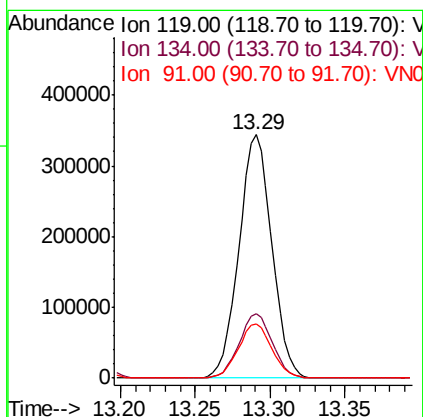
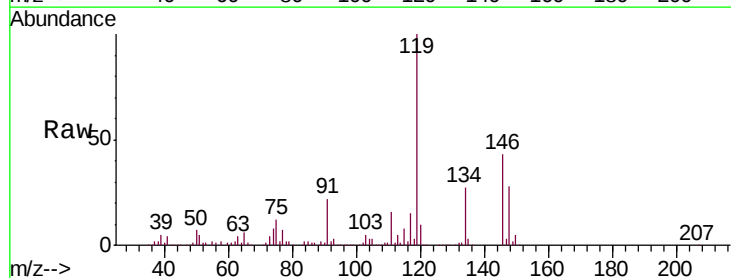
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

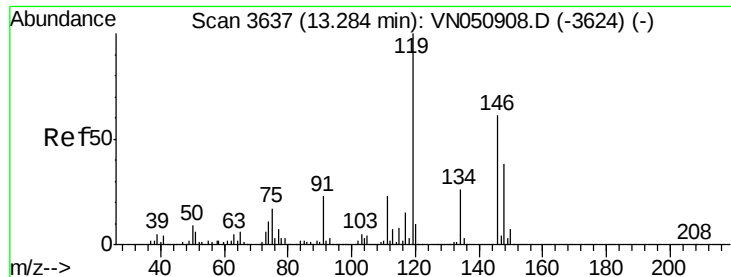
Tgt Ion:105 Resp: 613535
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 19.844 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion:119 Resp: 525148
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.2
 91 22.7 0.0 46.0

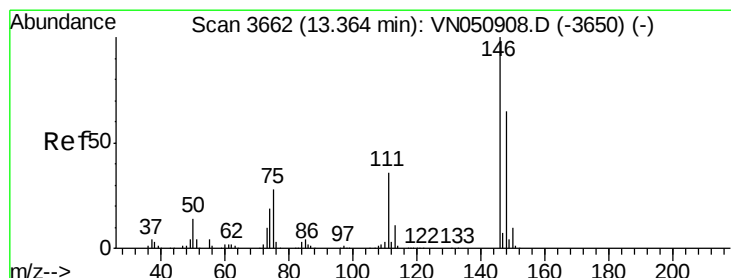
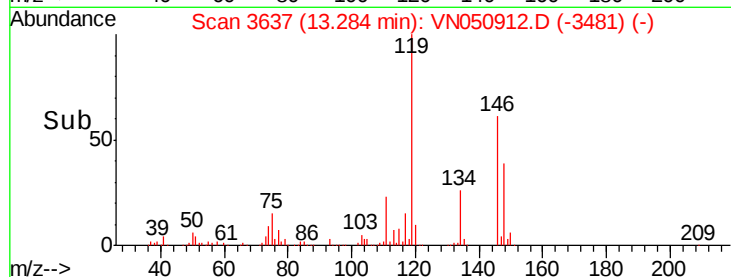
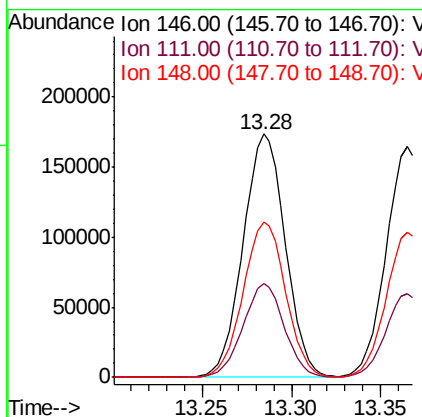
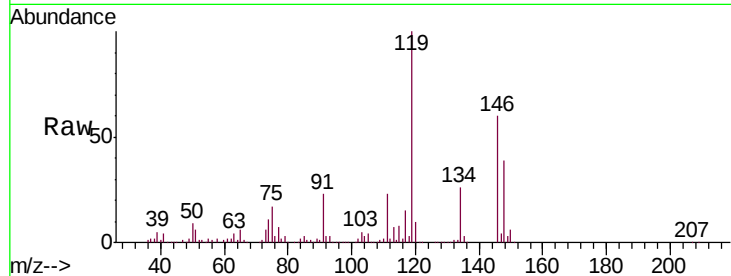




#83
 1,3-Dichlorobenzene
 Concen: 19.518 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

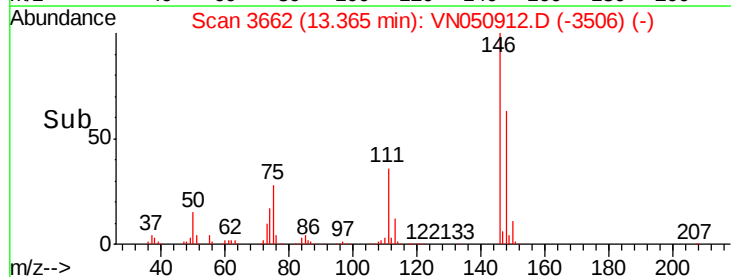
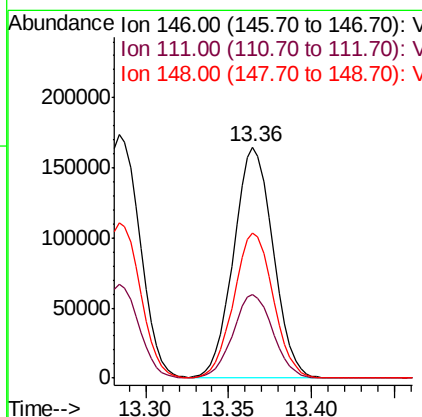
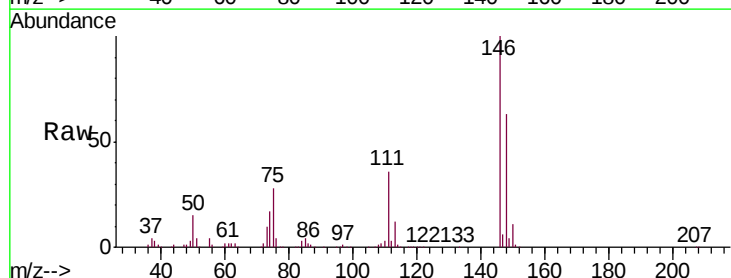
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

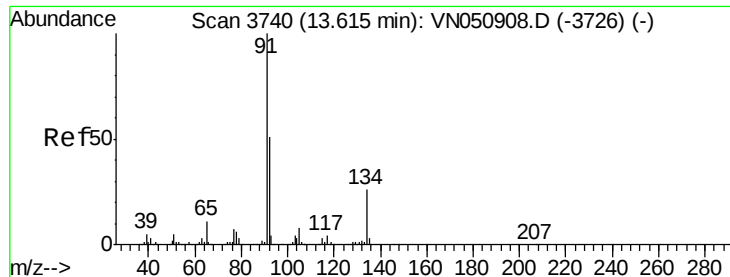
Tgt Ion:146 Resp: 286665
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.6
 148 64.4 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 19.646 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion:146 Resp: 273390
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.7 53.1
 148 62.9 31.6 94.8

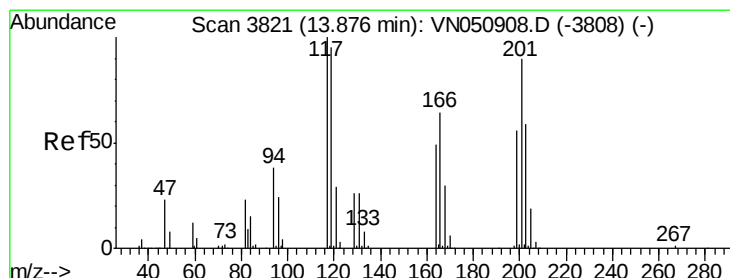
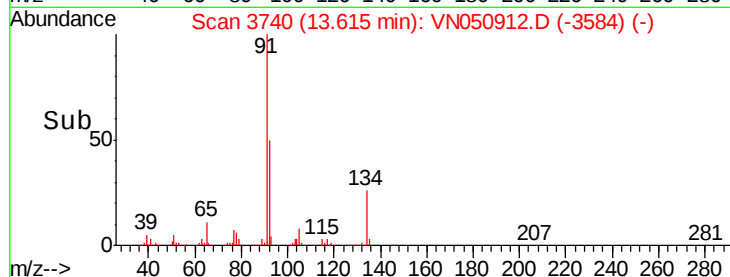
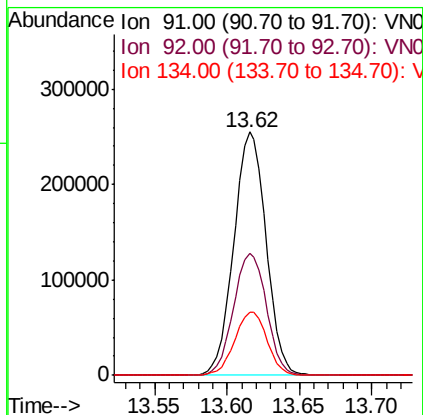
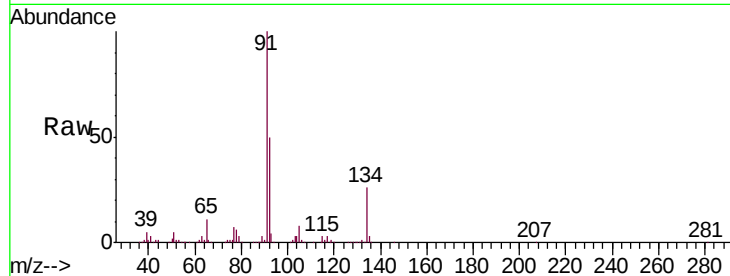




#85
n-Butylbenzene
Concen: 19.463 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

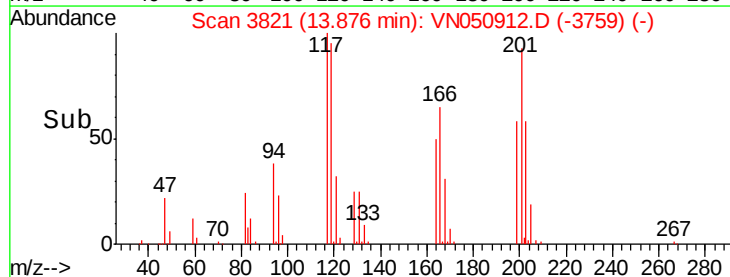
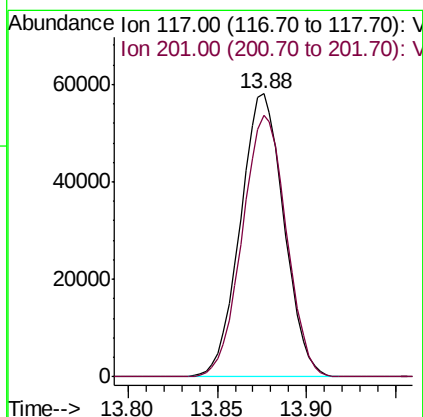
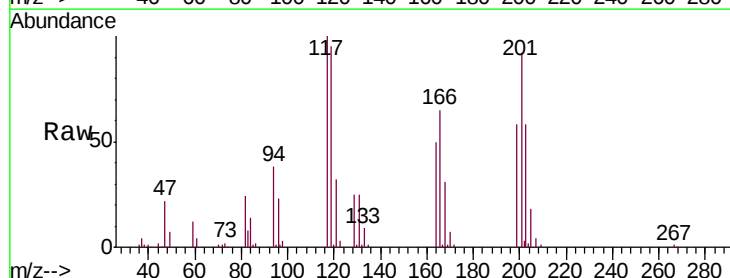
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

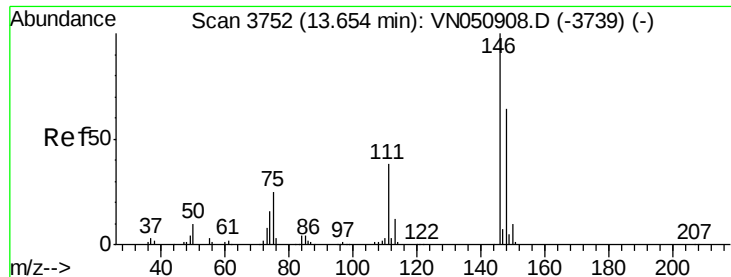
Tgt Ion: 91 Resp: 393003
Ion Ratio Lower Upper
91 100
92 51.1 0.0 101.8
134 26.3 0.0 52.2



#86
Hexachloroethane
Concen: 19.528 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion: 117 Resp: 99195
Ion Ratio Lower Upper
117 100
201 93.0 45.8 137.4

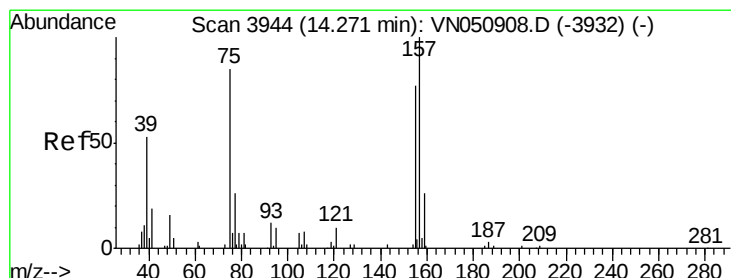
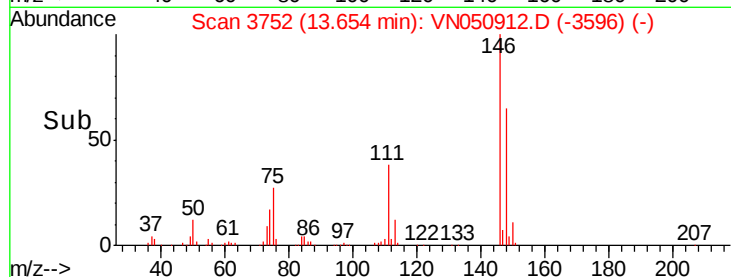
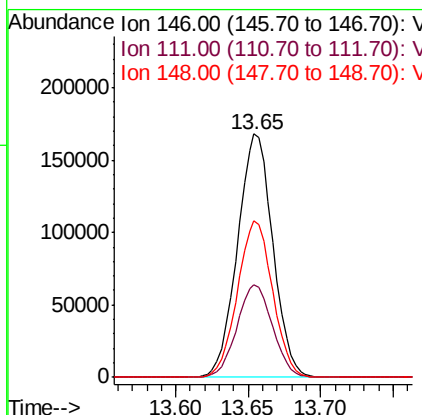
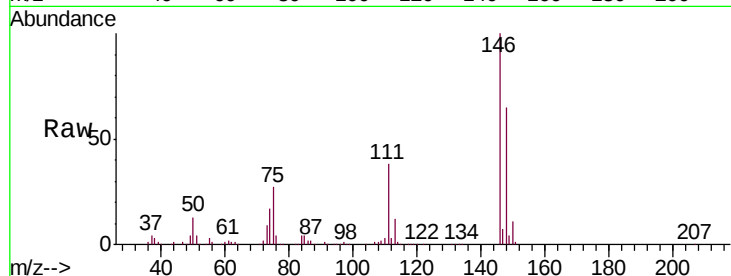




#87
 1,2-Dichlorobenzene
 Concen: 19.649 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

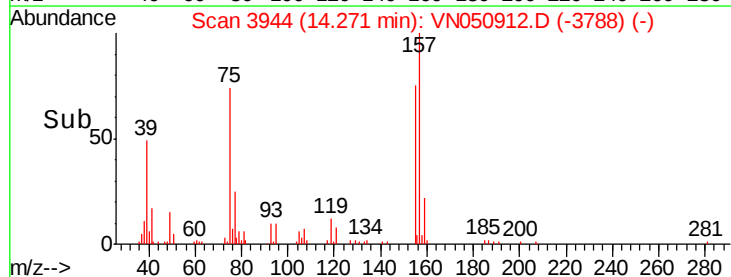
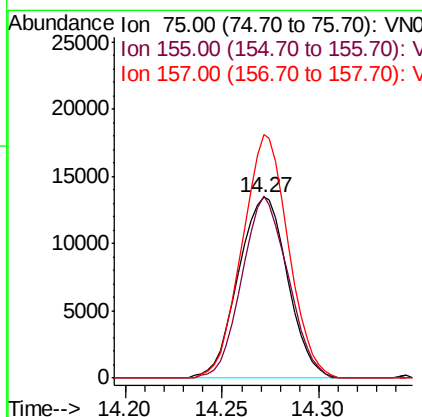
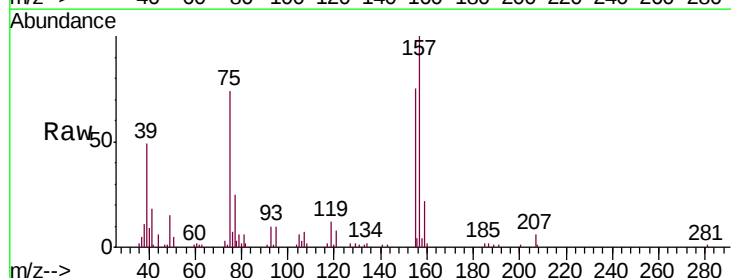
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

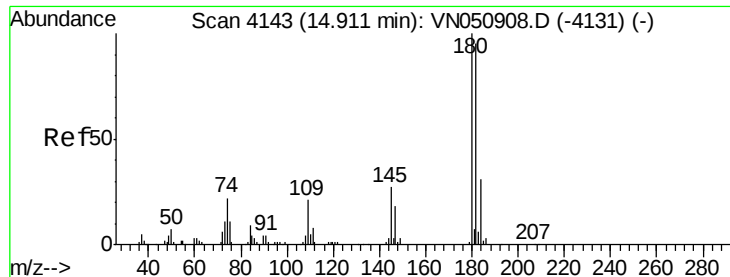
Tgt Ion: 146 Resp: 284059
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.1
 148 64.2 31.9 95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.076 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion: 75 Resp: 23857
 Ion Ratio Lower Upper
 75 100
 155 93.7 71.8 107.6
 157 126.1 91.1 136.7

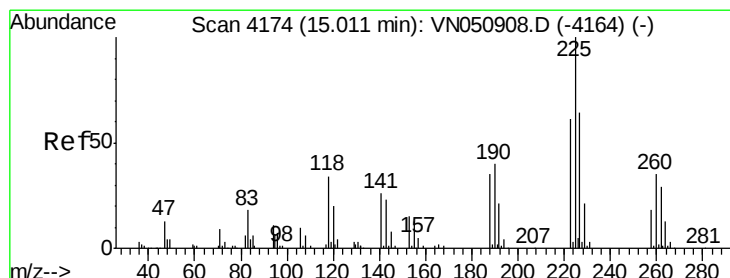
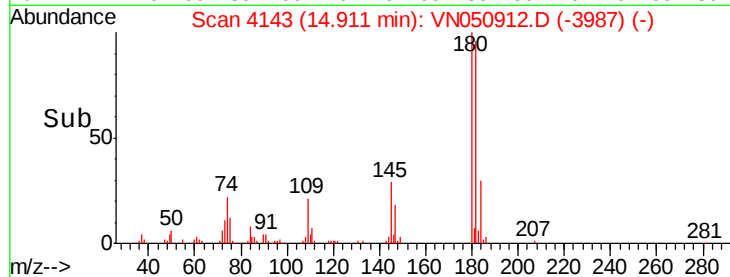
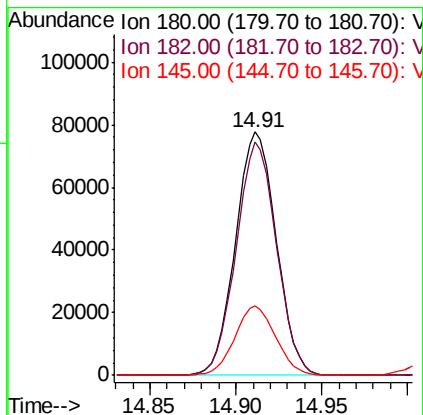
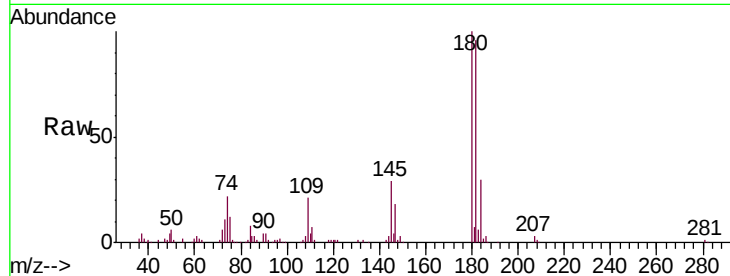




#89
 1,2,4-Trichlorobenzene
 Concen: 19.873 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

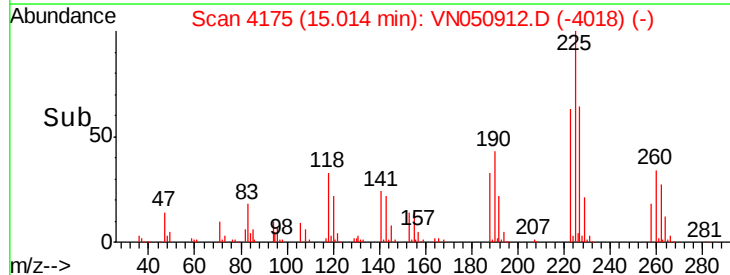
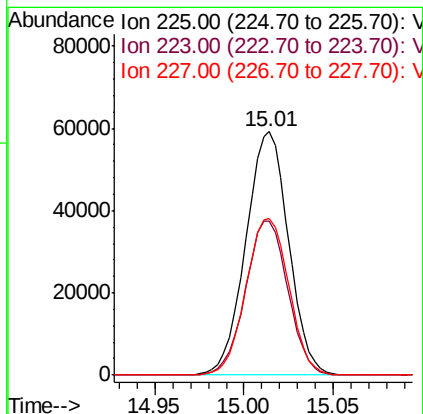
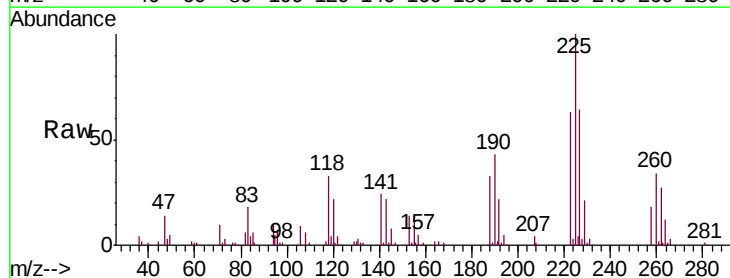
Instrument :
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 ClientSampleId :
 VSTDICV020

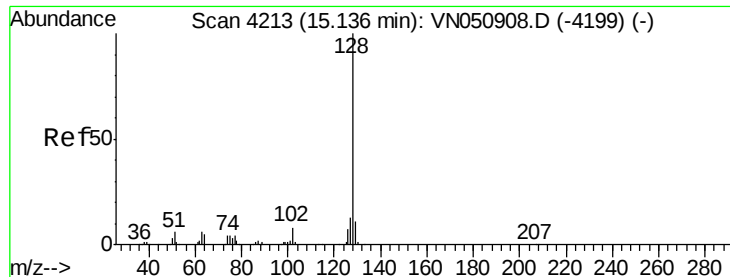
Tgt Ion:180 Resp: 127895
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.4
 145 28.6 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 22.669 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050912.D
 Acq: 28 Aug 2018 14:18

Tgt Ion:225 Resp: 99121
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 127.8
 227 64.6 0.0 128.4

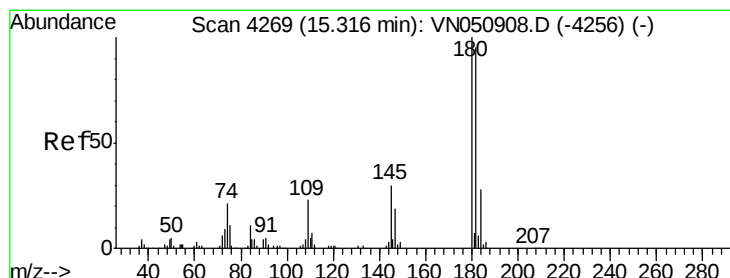
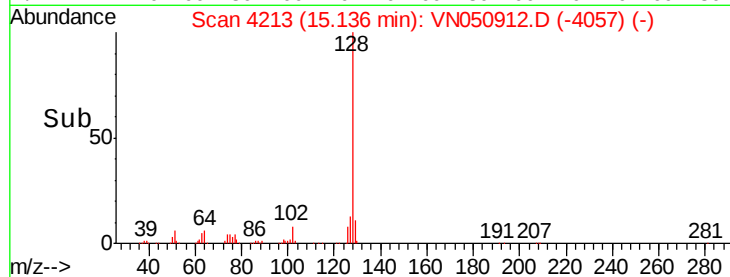
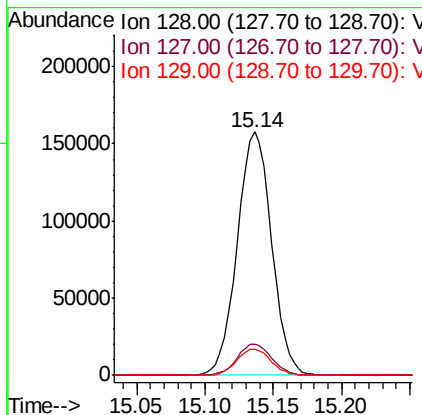
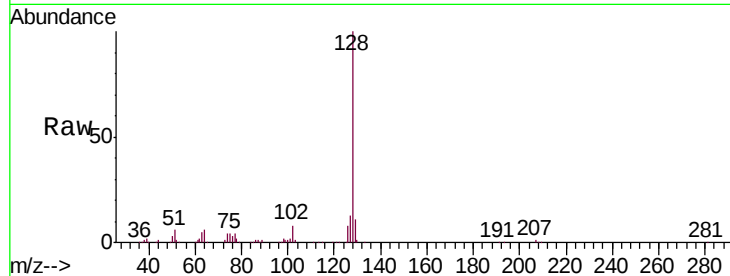




#91
Naphthalene
Concen: 22.226 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tgt Ion:128 Resp: 274589
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.8 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 21.155 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050912.D
Acq: 28 Aug 2018 14:18

Tgt Ion:180 Resp: 136621
Ion Ratio Lower Upper
180 100
182 97.7 0.0 192.8
145 29.8 0.0 60.0

