

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051475.D
 Acq On : 25 Sep 2018 10:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 26 01:30:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	107684	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	583002	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221653	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.40	95	254254	32.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.00%
63) Toluene-d8	10.09	98	742961	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	463910	100.588	ug/l 99
3) Chloromethane	2.06	50	870925	109.831	ug/l 97
4) Vinyl Chloride	2.19	62	935918	110.614	ug/l 99
5) Bromomethane	2.56	94	588714	106.458	ug/l 88
6) Chloroethane	2.70	64	591160	113.350	ug/l 100
7) Trichlorofluoromethane	3.01	101	1257031	114.456	ug/l 96
8) Diethyl Ether	3.41	74	447811	135.617	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	629674	112.904	ug/l # 42
10) 1,1-Dichloroethene	3.74	96	586201	115.392	ug/l 99
11) Methyl Iodide	3.95	142	965784	128.923	ug/l 95
12) Methyl Acetate	4.33	43	522842	117.097	ug/l 95
13) Acrolein	3.61	56	394800	663.099	ug/l 91
14) Acrylonitrile	4.99	53	1141870	629.561	ug/l # 60
15) Acetone	3.82	58	257724	576.940	ug/l 96
16) Carbon Disulfide	4.05	76	1814230	112.592	ug/l 98
17) Allyl chloride	4.32	41	1081351	120.580	ug/l 98
18) Methylene Chloride	4.55	84	696982	114.883	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	651385	118.451	ug/l 97
20) Diisopropyl ether	5.96	45	2212461	124.251	ug/l # 81
21) 1,1-Dichloroethane	5.85	63	1247129	116.273	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	737957	119.923	ug/l 96
23) tert-Butyl Alcohol	4.79	59	211505	619.240	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1719240	124.258	ug/l # 63
25) Chloroform	7.37	83	1245601	116.432	ug/l 96
26) Cyclohexane	7.65	56	1148975	125.825	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	987626	120.313	ug/l 100
30) 2-Butanone	6.84	43	1282737	604.952	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	1019320	116.412	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	1096684	117.025	ug/l 98
33) Carbon Tetrachloride	7.78	117	997659	116.023	ug/l 92
34) Benzene	8.04	78	2847753	116.849	ug/l # 62
35) Methacrylonitrile	7.18	41	345183	112.968	ug/l 93
36) 1,2-Dichloroethane	8.13	62	911355	114.843	ug/l 98
37) Trichloroethene	8.84	130	744811	115.307	ug/l 98
38) Methylcyclohexane	9.08	83	1197938	125.890	ug/l 93
39) 1,2-Dichloropropane	9.12	63	772340	116.495	ug/l 95
40) Dibromomethane	9.21	93	442342	117.225	ug/l 96

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 26 01:30:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	980693	118.210	ug/l	94
42) Vinyl Acetate	5.90	43	7470024	633.559	ug/l	98
43) Ethyl Acetate	6.93	43	572901	129.855	ug/l	98
44) Isopropyl Acetate	8.17	43	1045030	123.159	ug/l	99
45) 1,4-Dioxane	9.20	88	129887	2516.109	ug/l	91
46) Methyl methacrylate	9.20	41	548106	130.440	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1037730	125.966	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1181023	123.850	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	631377	117.023	ug/l	95
51) Ethyl methacrylate	10.43	69	844485	132.253	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1092863	120.066	ug/l	98
53) Dibromochloromethane	10.90	129	761203	122.654	ug/l	97
54) 1,2-Dibromoethane	11.01	107	635601	122.095	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2094805	664.372	ug/l	100
56) Bromoform	12.13	173	524895	125.452	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	2917092	626.747	ug/l	95
59) 2-Hexanone	10.75	43	1948373	636.038	ug/l	95
61) Tetrachloroethene	10.63	164	712123	115.576	ug/l	96
62) Toluene	10.16	91	3182104	117.368	ug/l	98
64) Chlorobenzene	11.43	112	1992641	119.875	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	753586	117.257	ug/l	99
66) Ethyl Benzene	11.51	91	3504593	125.298	ug/l	99
67) m/p-Xylenes	11.62	106	2726675	253.226	ug/l	97
68) o-Xylene	11.95	106	1298939	126.657	ug/l	94
69) Styrene	11.96	104	2105877	129.991	ug/l	99
70) Isopropylbenzene	12.25	105	3480417	126.807	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	780025	120.731	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	995457	195.381	ug/l	71
73) Bromobenzene	12.53	156	859235	124.219	ug/l	95
74) n-propylbenzene	12.59	91	4066264	127.435	ug/l	99
75) 2-Chlorotoluene	12.67	91	2349471	124.769	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	2919847	128.927	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	239720	136.432	ug/l	97
78) 4-Chlorotoluene	12.77	91	2383332	127.609	ug/l	97
79) tert-butylbenzene	12.99	119	2501918	126.884	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2968674	130.393	ug/l	98
81) sec-Butylbenzene	13.17	105	3496985	128.923	ug/l	99
82) p-Isopropyltoluene	13.29	119	3087095	131.840	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	1540837	126.999	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	1491040	130.851	ug/l	97
85) n-Butylbenzene	13.61	91	2665146	138.628	ug/l	96
86) Hexachloroethane	13.87	117	563261	120.045	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	1459297	126.877	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	117972	123.719	ug/l #	88
89) 1,2,4-Trichlorobenzene	14.91	180	843687	147.266	ug/l	99
90) Hexachlorobutadiene	15.01	225	536485	120.827	ug/l	98
91) Naphthalene	15.13	128	1642561	151.945	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	810080	140.069	ug/l	93

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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

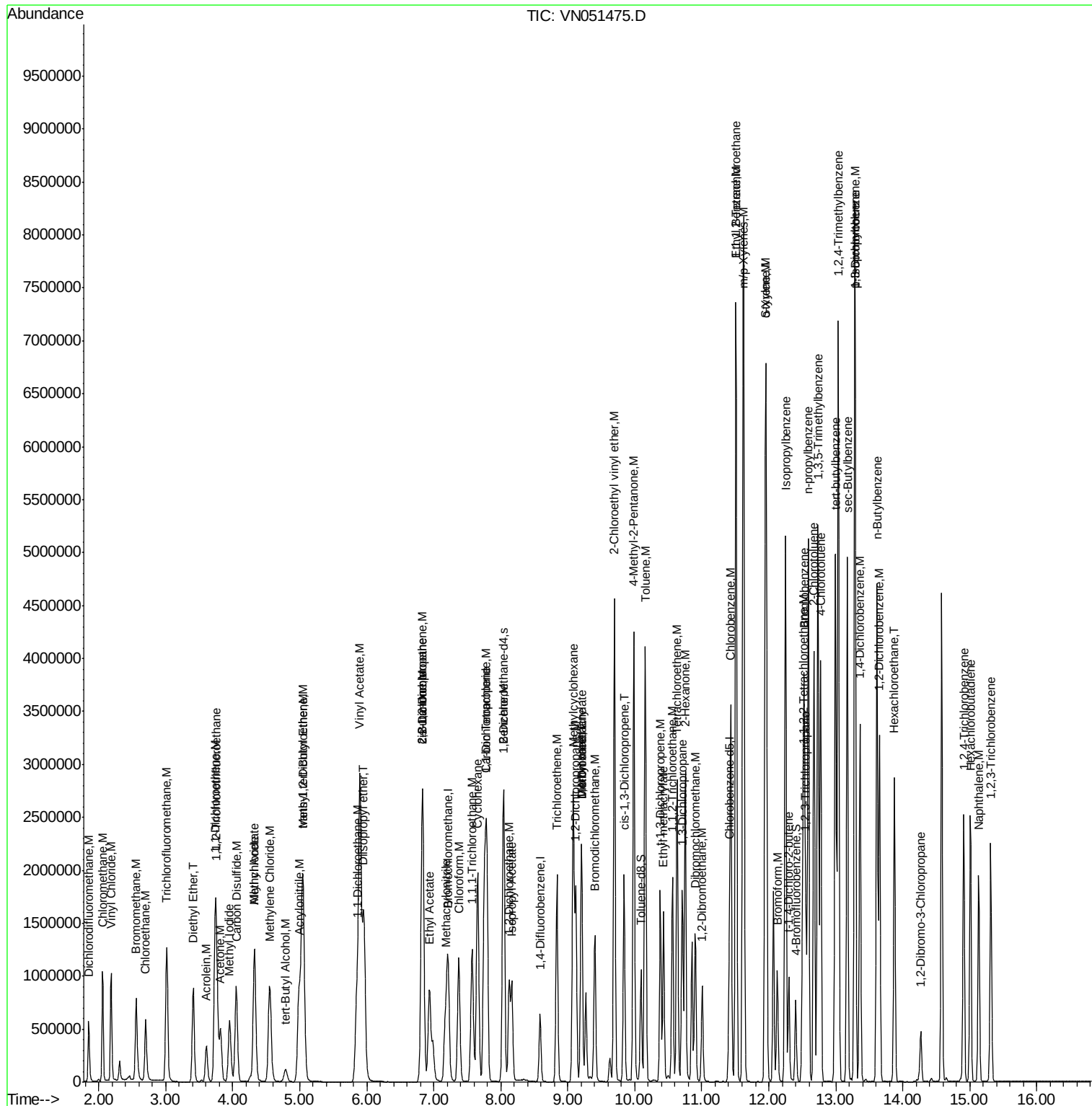
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

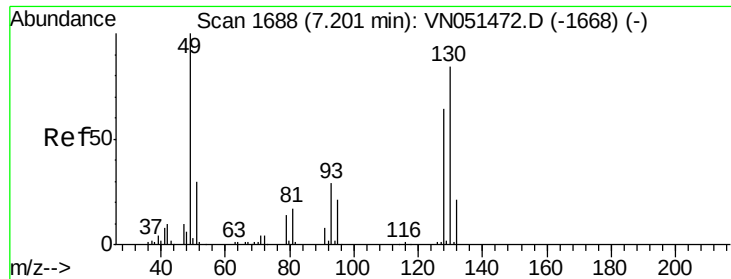
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051475.D
Acq On : 25 Sep 2018 10:24
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Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Sep 26 01:30:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
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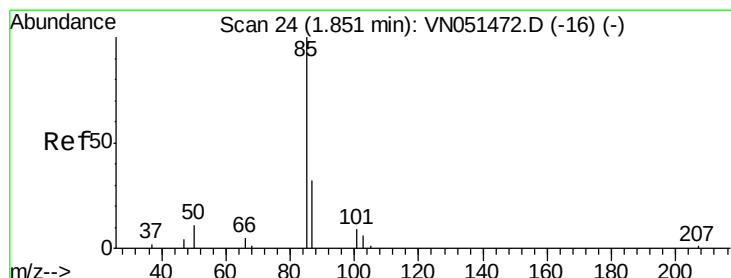
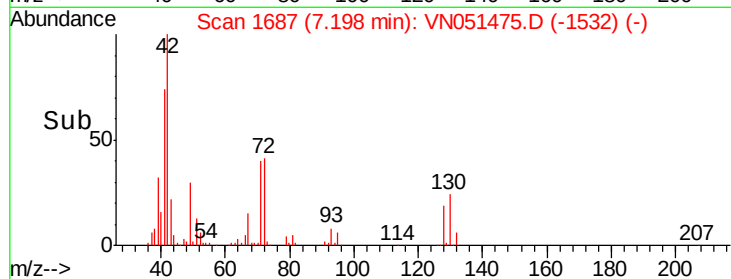
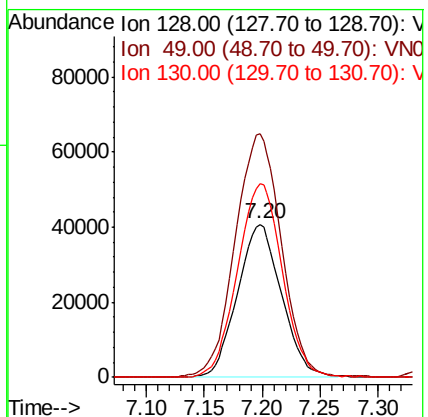
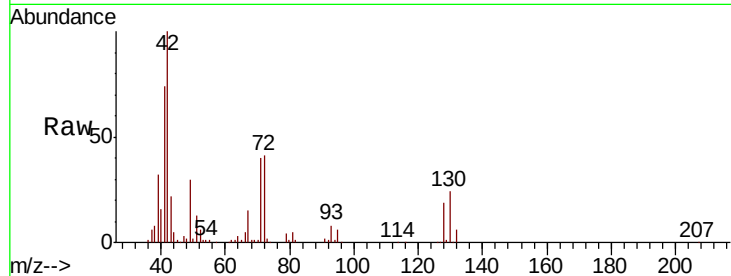




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

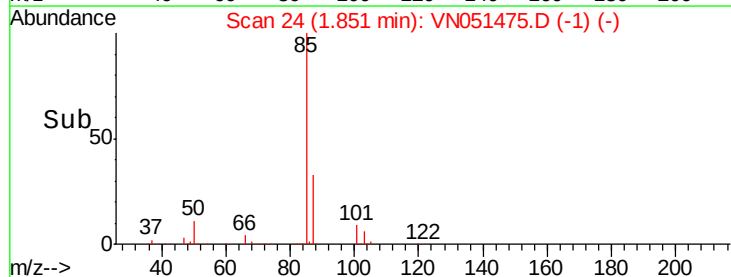
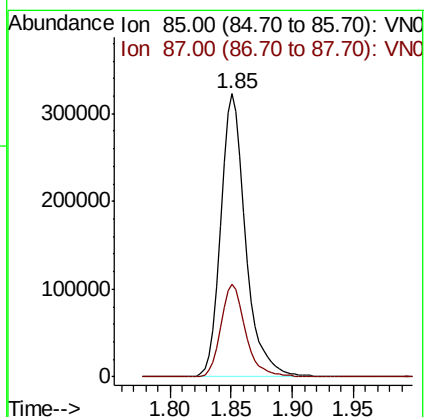
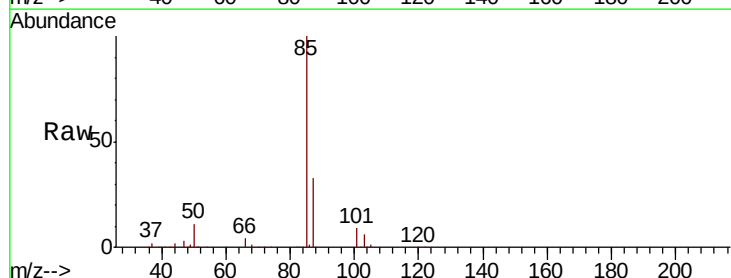
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

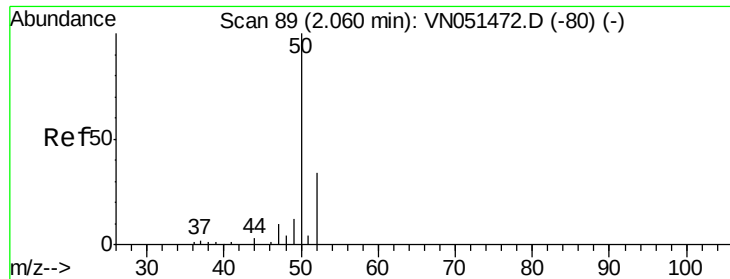
Tot Ion:128 Resp: 107684
 Ion Ratio Lower Upper
 128 100
 49 166.7 0.0 403.3
 130 128.8 0.0 326.0



#2
 Dichlorodifluoromethane
 Concen: 100.588 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 85 Resp: 463910
 Ion Ratio Lower Upper
 85 100
 87 32.9 16.3 48.8





#3

Chloromethane

Concen: 109.831 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

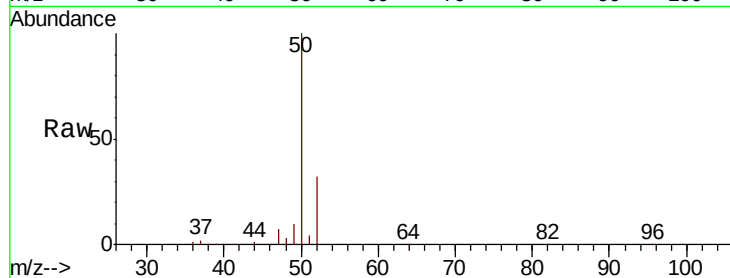
VSTDIC100

Tot Ion: 50 Resp: 870925

Ion Ratio Lower Upper

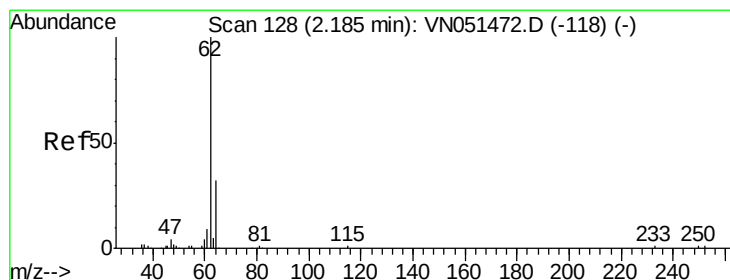
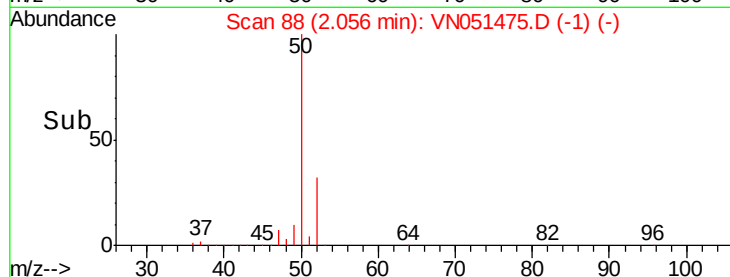
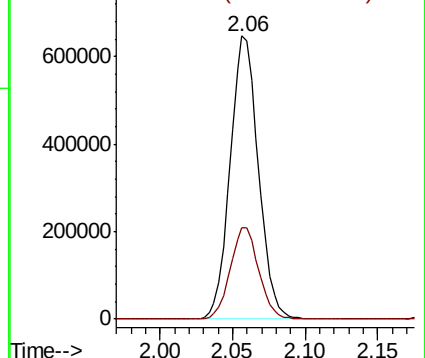
50 100

52 32.5 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#4

Vinyl Chloride

Concen: 110.614 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051475.D

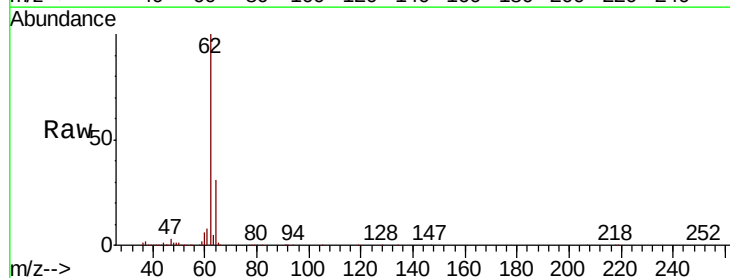
Acq: 25 Sep 2018 10:24

Tgt Ion: 62 Resp: 935918

Ion Ratio Lower Upper

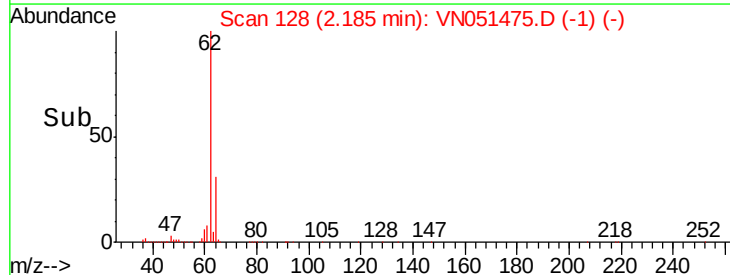
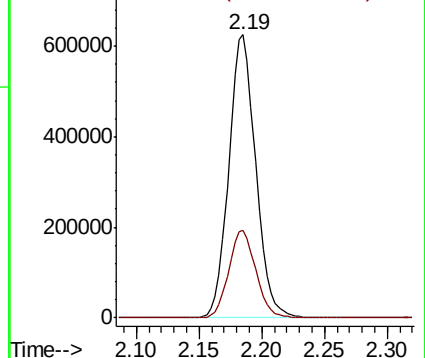
62 100

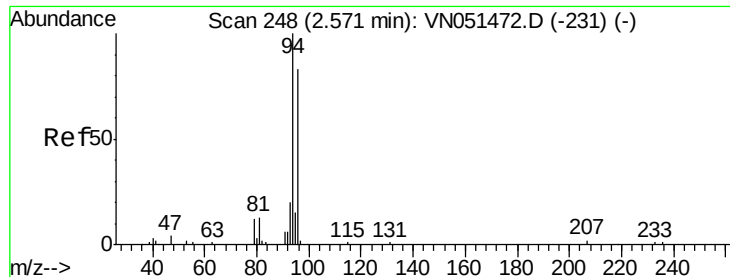
64 31.0 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC





#5

Bromomethane

Concen: 106.458 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

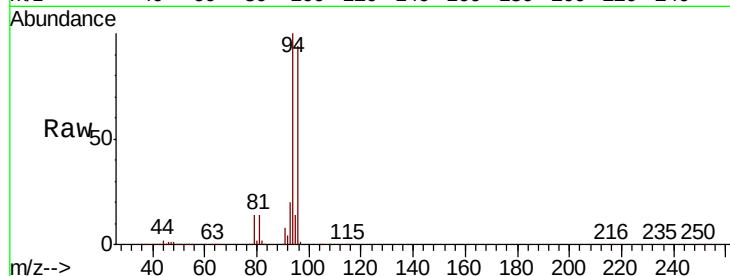
VSTDIC100

Tot Ion: 94 Resp: 588714

Ion Ratio Lower Upper

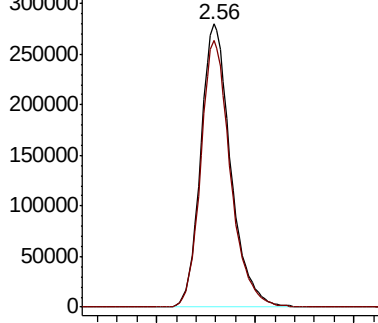
94 100

96 94.1 66.4 99.6

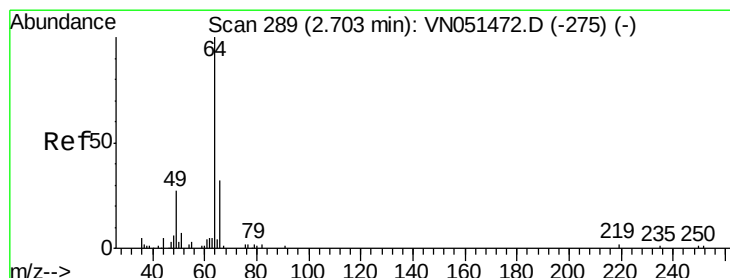
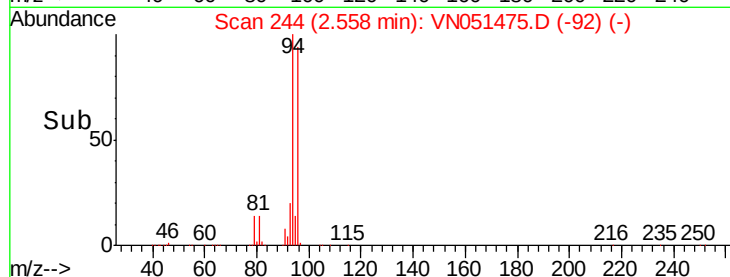


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 113.350 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051475.D

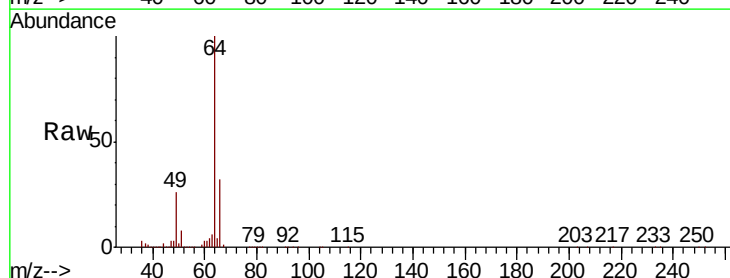
Acq: 25 Sep 2018 10:24

Tgt Ion: 64 Resp: 591160

Ion Ratio Lower Upper

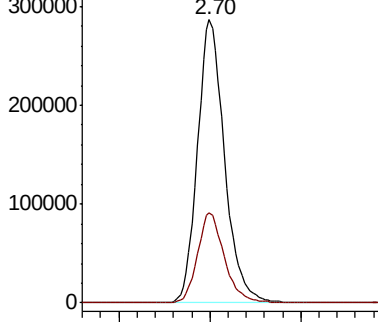
64 100

66 32.0 25.8 38.6

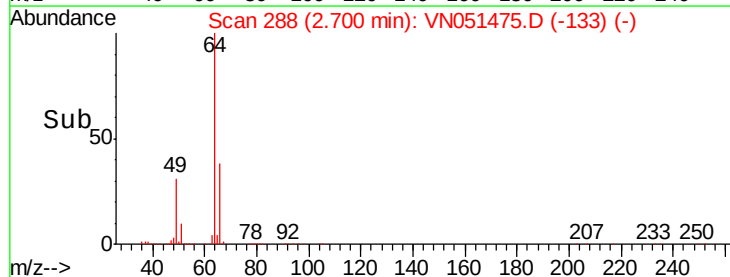


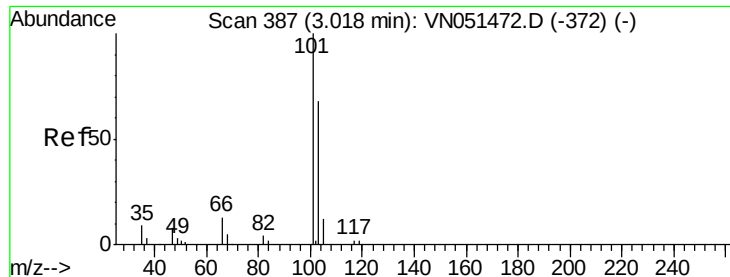
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->



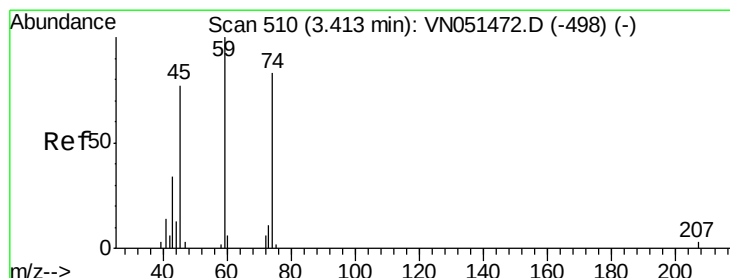
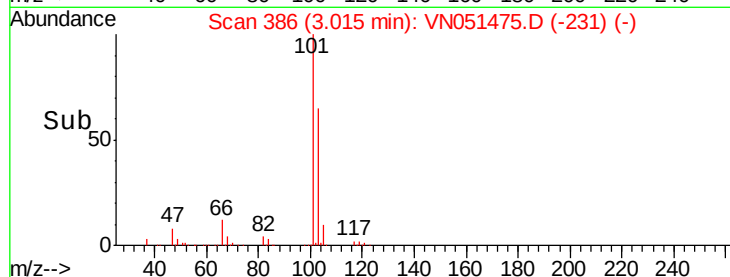
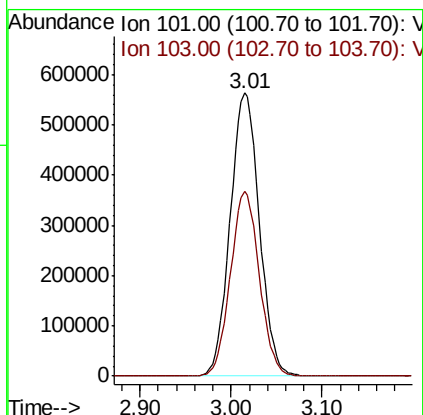
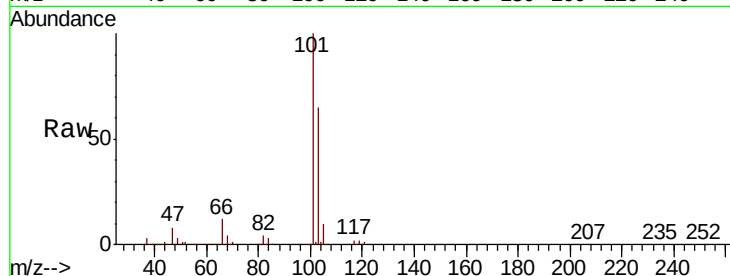


#7

Trichlorofluoromethane
 Concen: 114.456 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

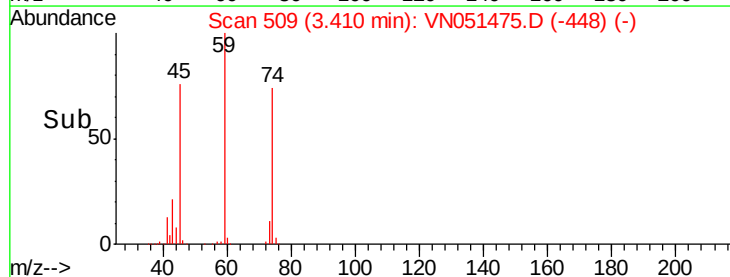
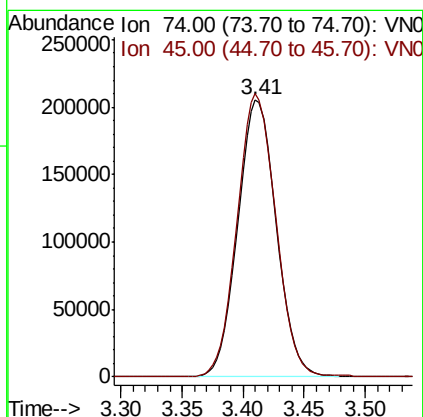
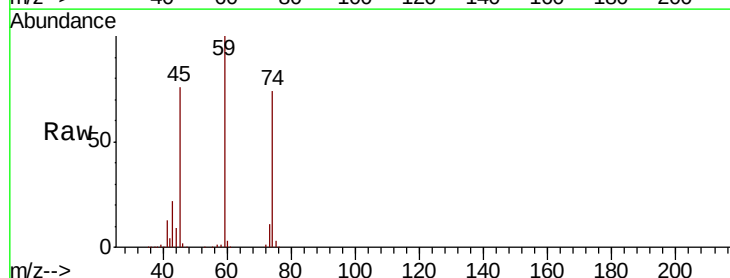
Tot Ion:101 Resp: 1257031
 Ion Ratio Lower Upper
 101 100
 103 65.3 54.8 82.2

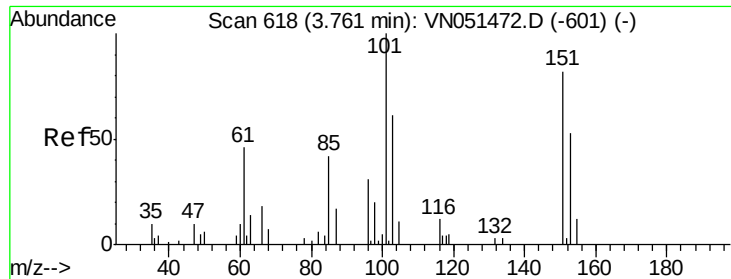


#8

Diethyl Ether
 Concen: 135.617 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 74 Resp: 447811
 Ion Ratio Lower Upper
 74 100
 45 102.6 20.7 186.5

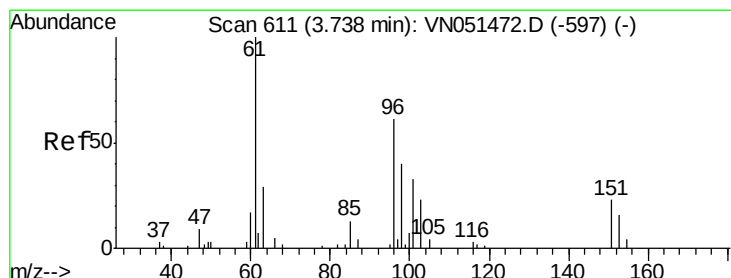
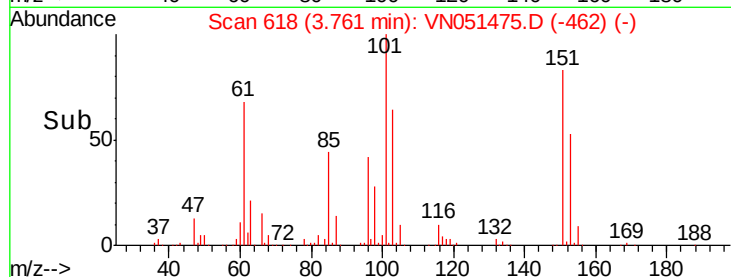
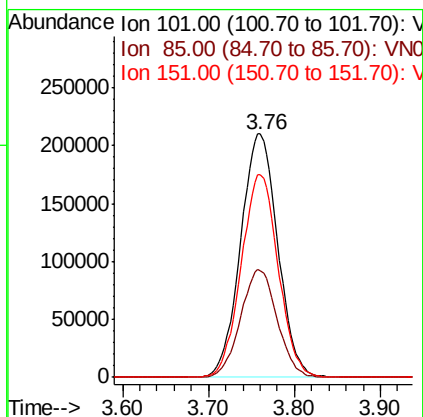
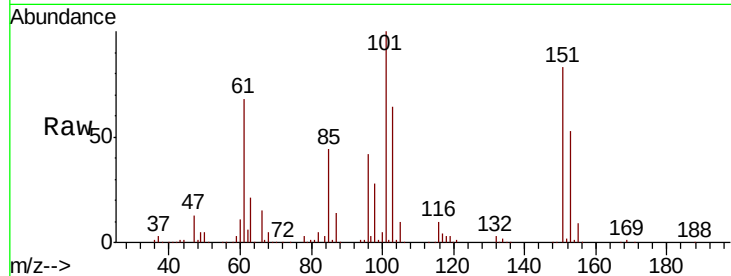




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 112.904 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

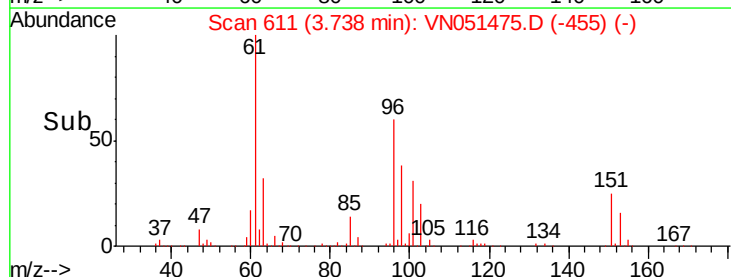
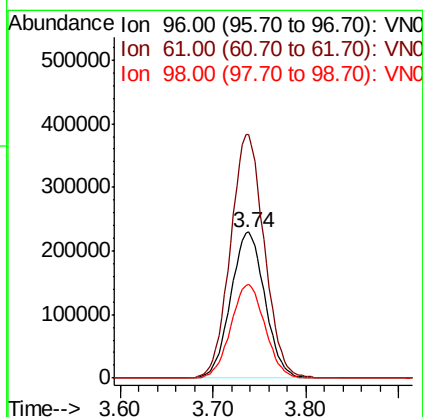
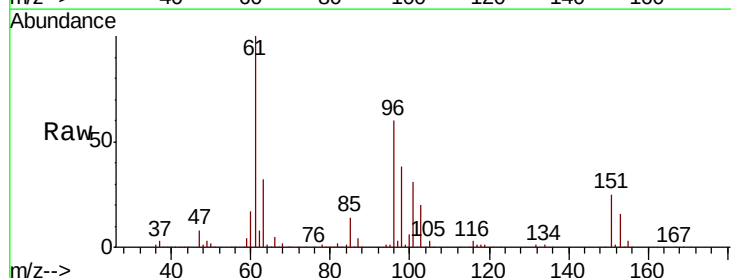
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

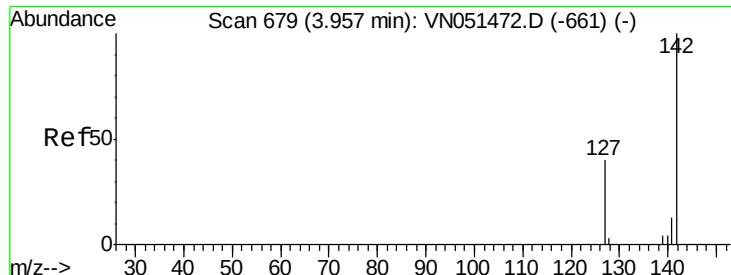
Tot Ion:101 Resp: 629674
 Ion Ratio Lower Upper
 101 100
 85 43.6 0.0 46.0
 151 83.1 0.0 82.2#



#10
 1,1-Dichloroethene
 Concen: 115.392 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 96 Resp: 586201
 Ion Ratio Lower Upper
 96 100
 61 166.8 133.0 199.6
 98 64.2 52.6 78.8

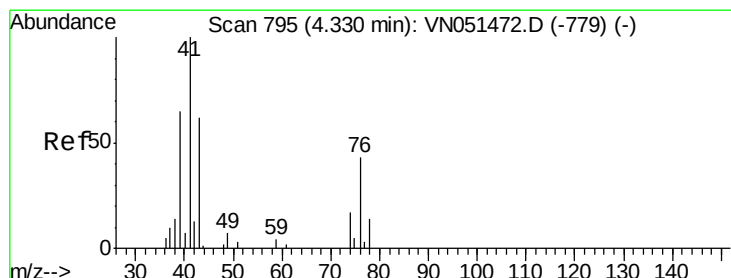
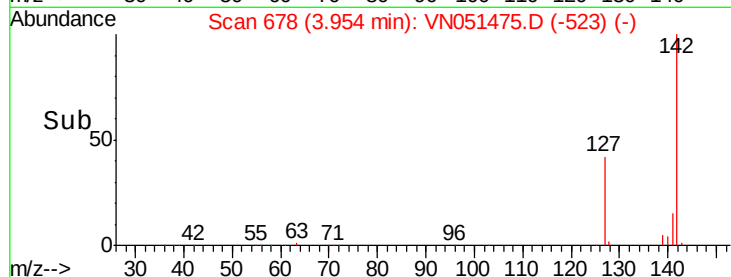
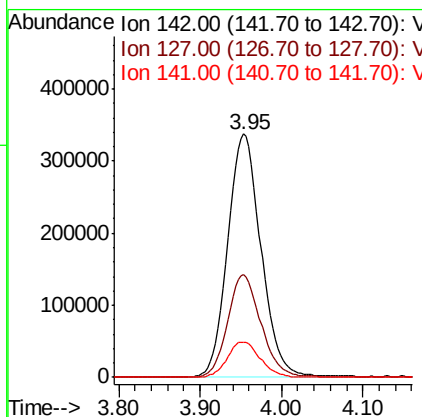
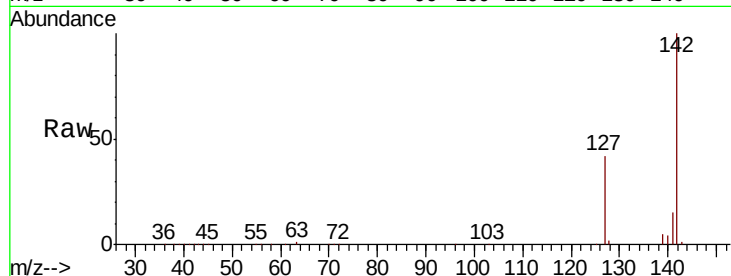




#11
Methvl Iodide
Concen: 128.923 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

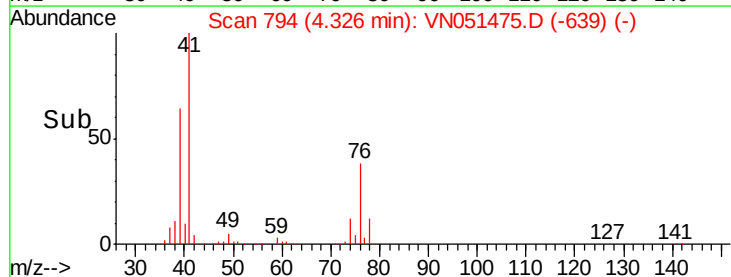
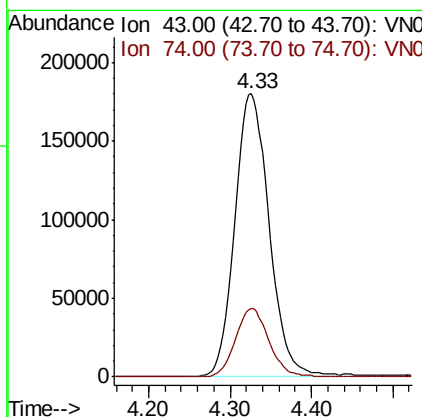
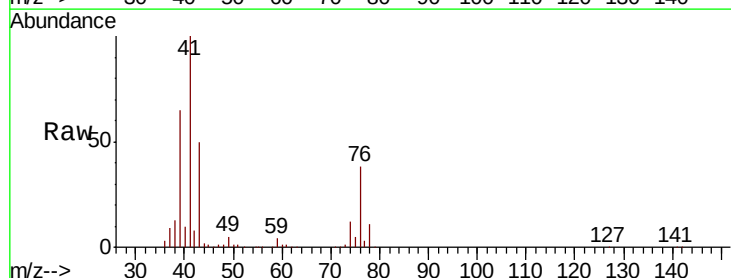
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

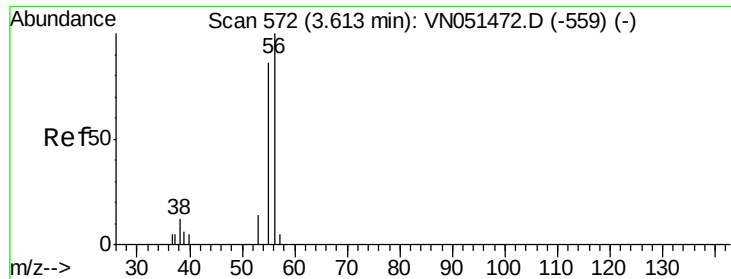
Tot Ion:142 Resp: 965784
Ion Ratio Lower Upper
142 100
127 42.2 19.7 59.0
141 14.6 6.3 18.9



#12
Methyl Acetate
Concen: 117.097 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 43 Resp: 522842
Ion Ratio Lower Upper
43 100
74 24.4 21.8 32.6





#13

Acrolein

Concen: 663.099 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

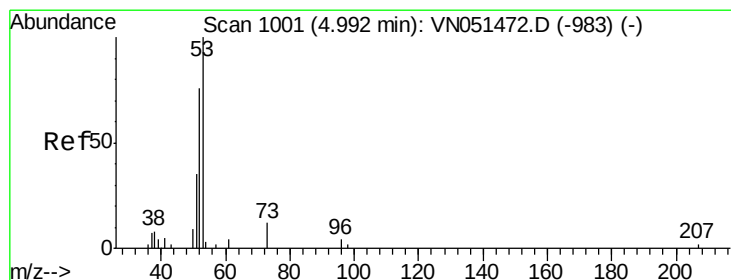
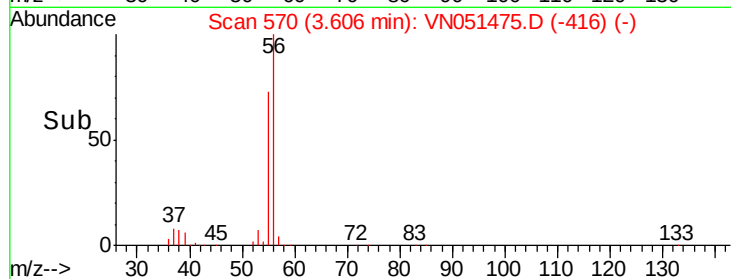
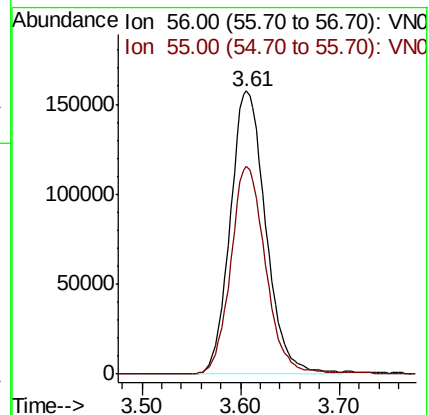
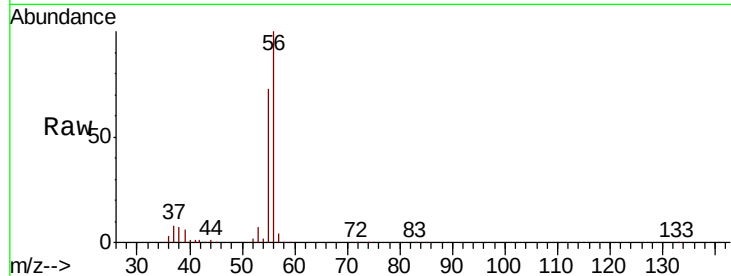
VSTDIC100

Tot Ion: 56 Resp: 394800

Ion Ratio Lower Upper

56 100

55 71.9 64.0 96.0



#14

Acrylonitrile

Concen: 629.561 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

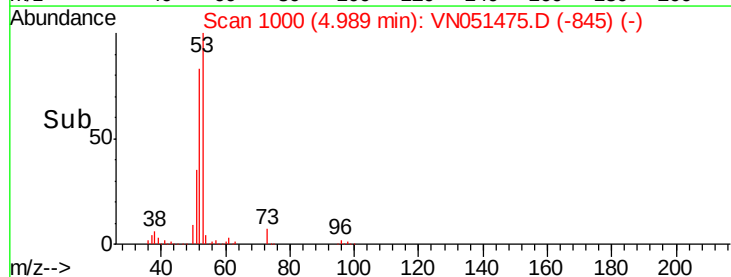
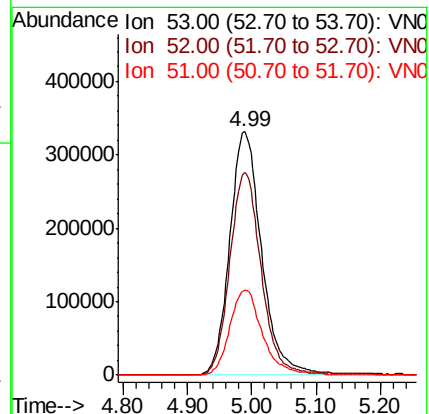
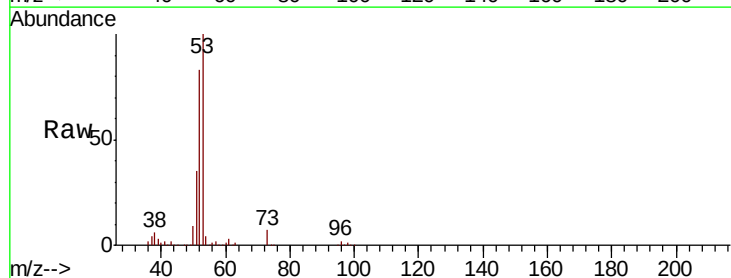
Tgt Ion: 53 Resp: 1141870

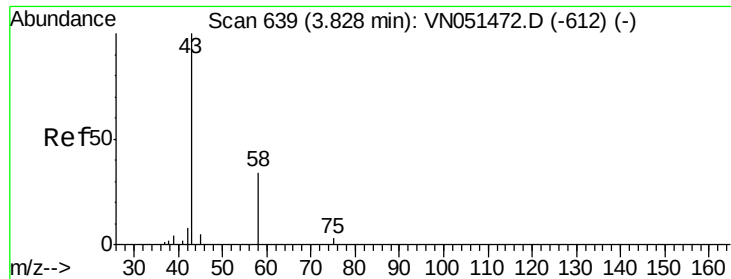
Ion Ratio Lower Upper

53 100

52 81.8 18.3 54.8#

51 35.9 19.7 59.1





#15

Acetone

Concen: 576.940 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

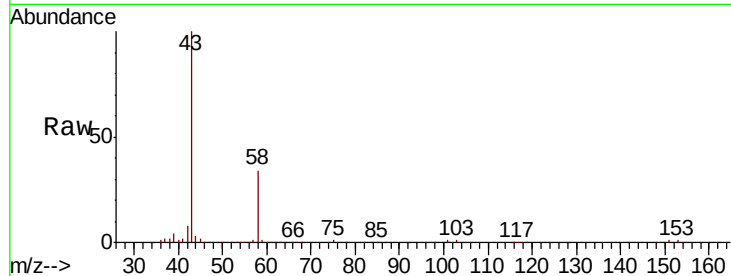
VSTDIC100

Tot Ion: 58 Resp: 257724

Ion Ratio Lower Upper

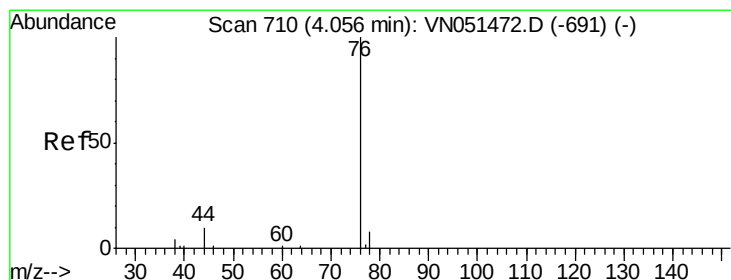
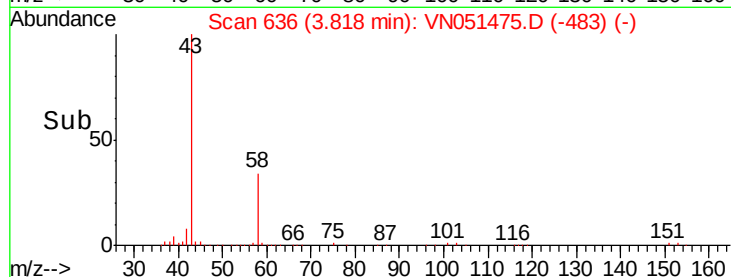
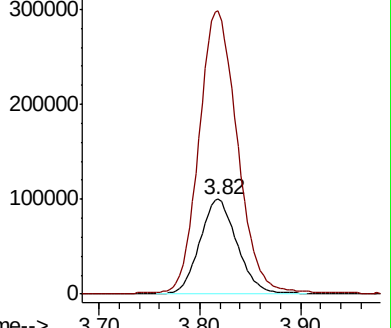
58 100

43 297.4 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051472.D (-612) (-)

Ion 43.00 (42.70 to 43.70): VN051472.D (-612) (-)



#16

Carbon Disulfide

Concen: 112.592 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051475.D

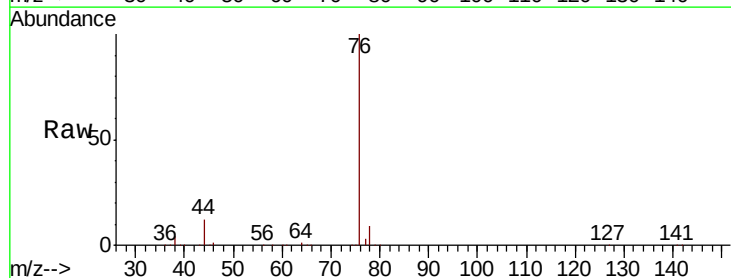
Acq: 25 Sep 2018 10:24

Tgt Ion: 76 Resp: 1814230

Ion Ratio Lower Upper

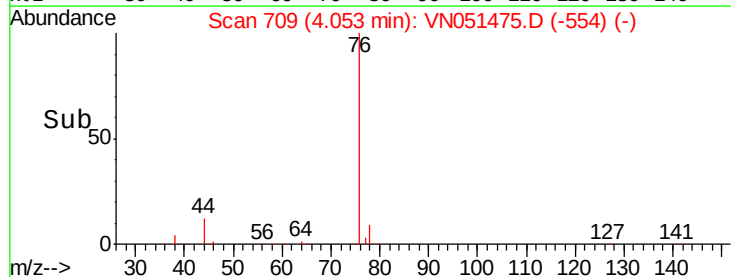
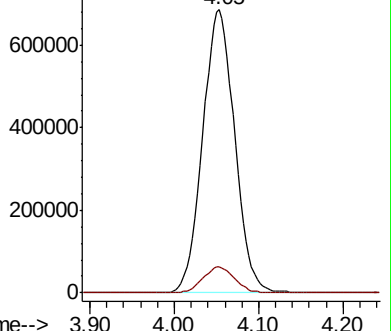
76 100

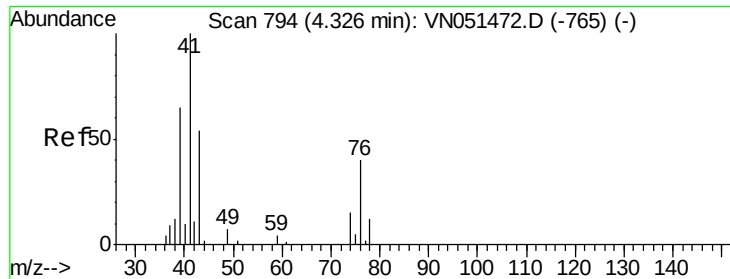
78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051472.D (-691) (-)

Ion 78.00 (77.70 to 78.70): VN051472.D (-691) (-)

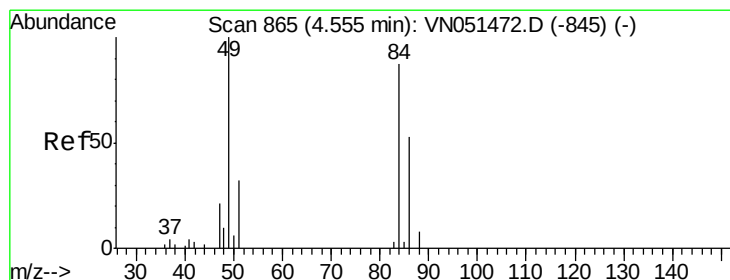
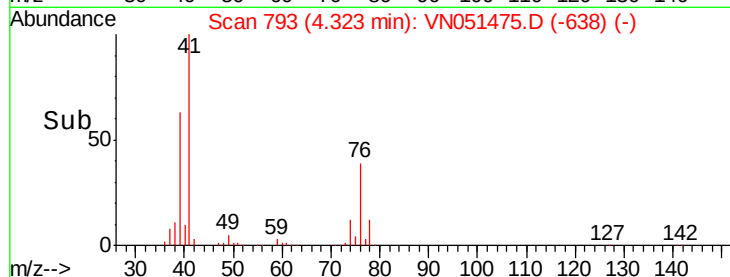
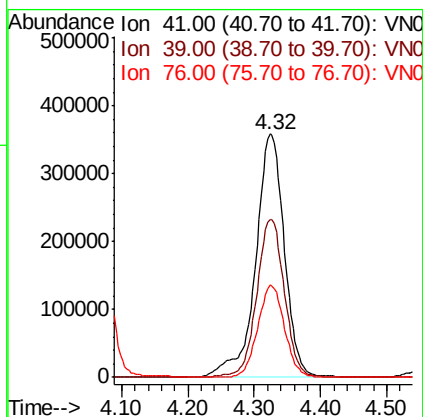
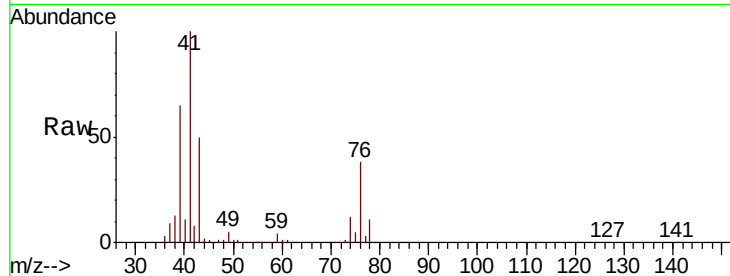




#17
Allvl chloride
Concen: 120.580 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

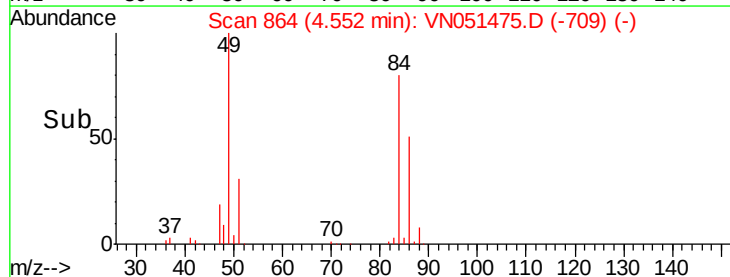
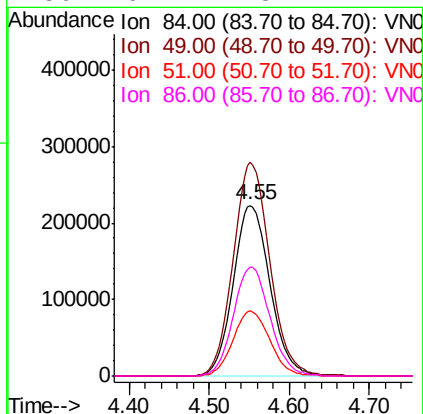
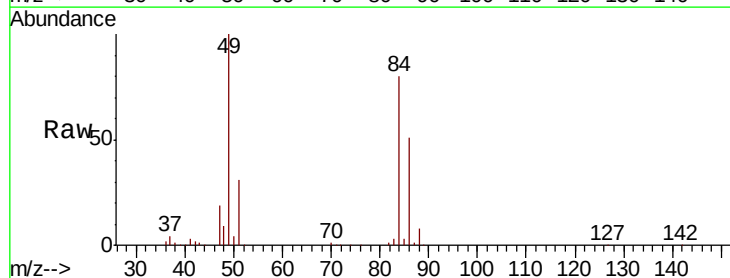
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

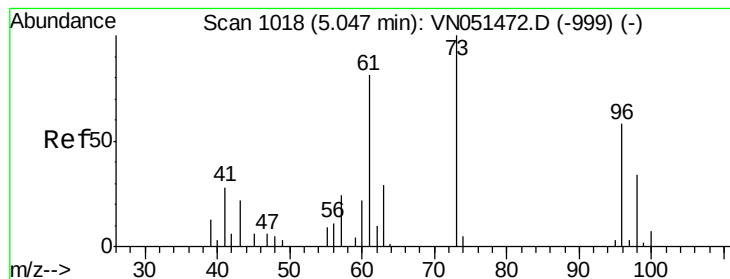
Tot Ion: 41 Resp: 1081351
Ion Ratio Lower Upper
41 100
39 65.0 32.6 97.8
76 37.7 20.2 60.5



#18
Methylene Chloride
Concen: 114.883 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 84 Resp: 696982
Ion Ratio Lower Upper
84 100
49 125.1 91.6 137.4
51 38.3 29.8 44.6
86 64.1 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 118.451 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

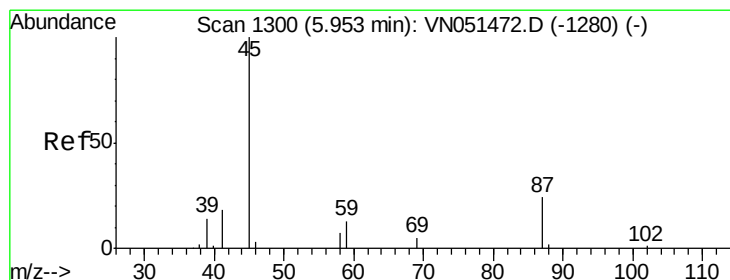
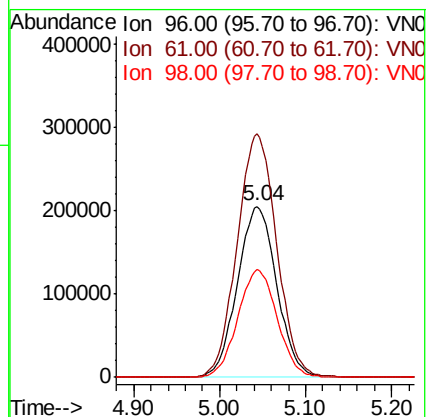
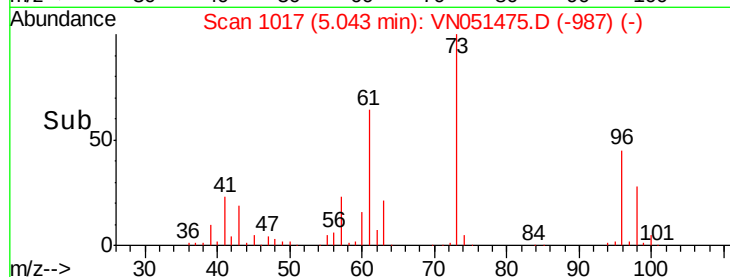
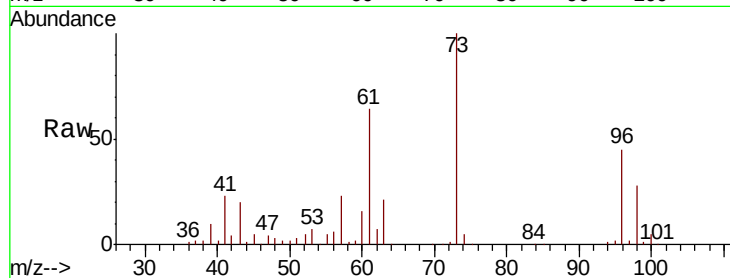
Tot Ion: 96 Resp: 651385

Ion Ratio Lower Upper

96 100

61 142.3 112.3 168.5

98 62.8 47.1 70.7



#20

Diisopropyl ether

Concen: 124.251 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Tgt Ion: 45 Resp: 2212461

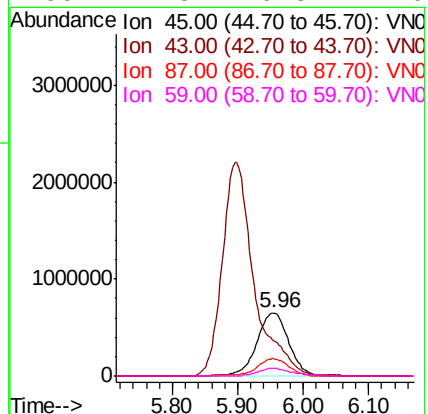
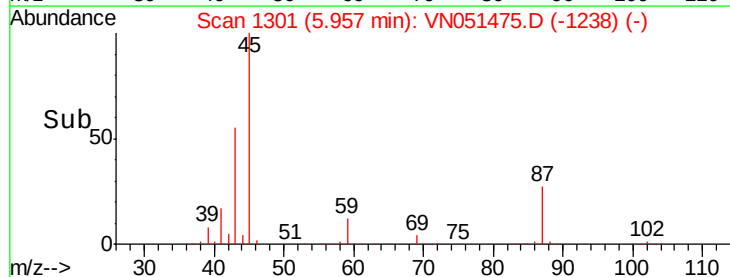
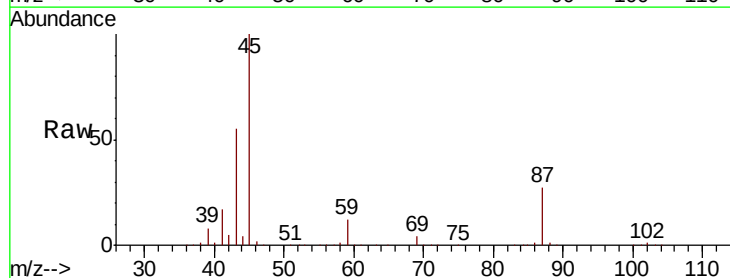
Ion Ratio Lower Upper

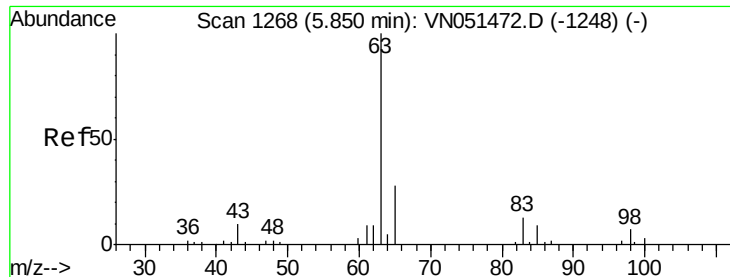
45 100

43 54.8 62.1 93.1#

87 27.1 19.9 29.9

59 11.8 9.8 14.6



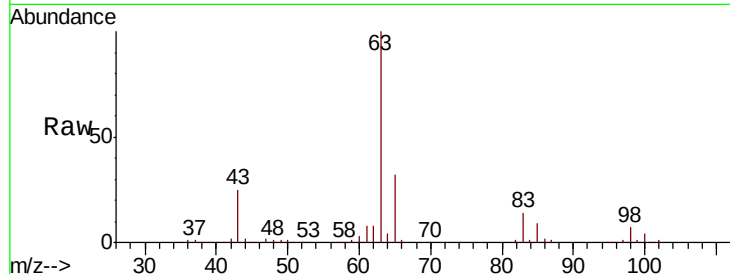


#21
 1,1-Dichloroethane
 Concen: 116.273 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

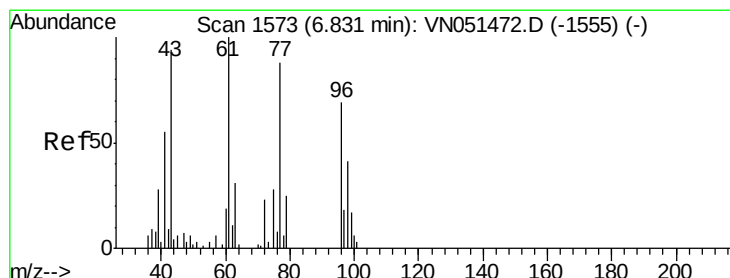
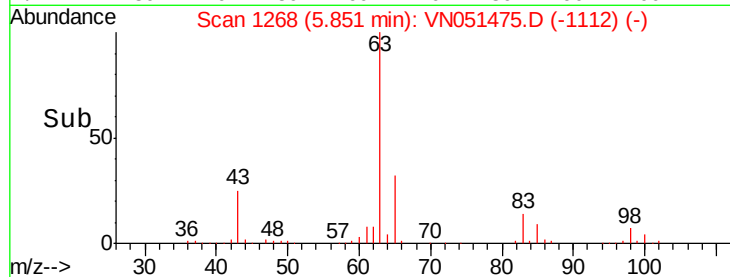
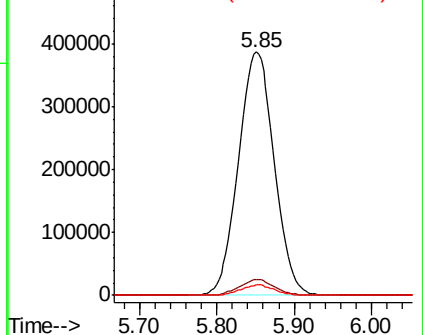
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 1247129

Ion	Ratio	Lower	Upper
63	100		
98	6.6	4.1	12.3
100	4.3	1.6	4.7



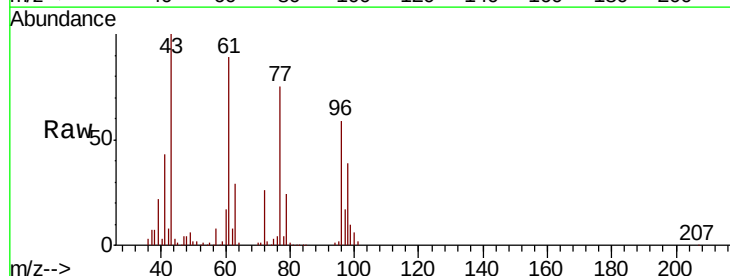
Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0



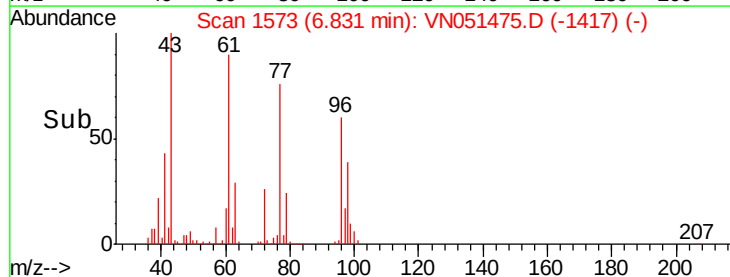
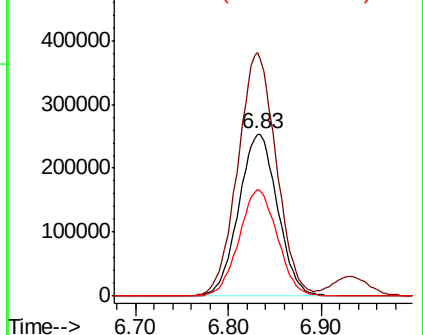
#22
 cis-1,2-Dichloroethene
 Concen: 119.923 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

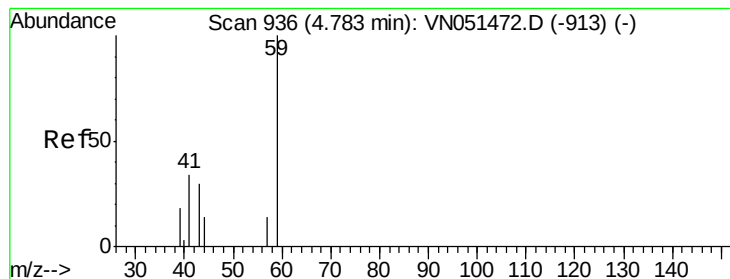
Tgt Ion: 96 Resp: 737957

Ion	Ratio	Lower	Upper
96	100		
61	148.6	124.5	186.7
98	65.0	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



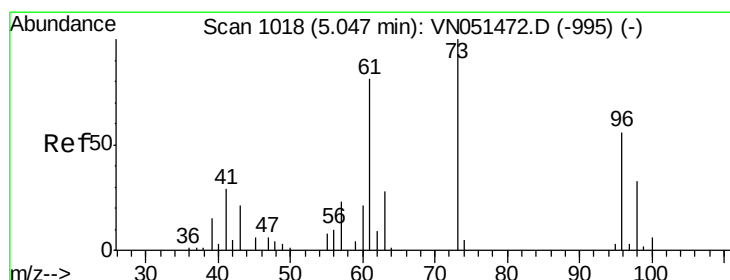
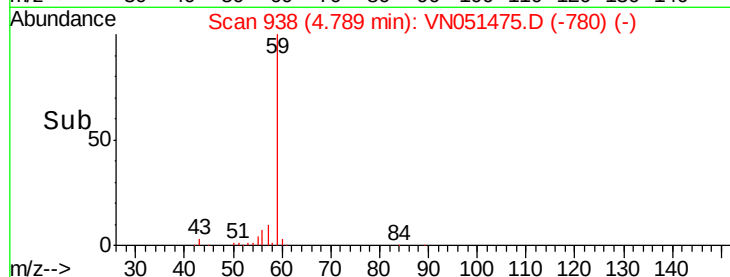
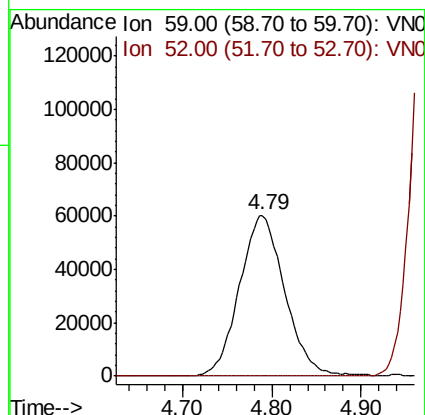
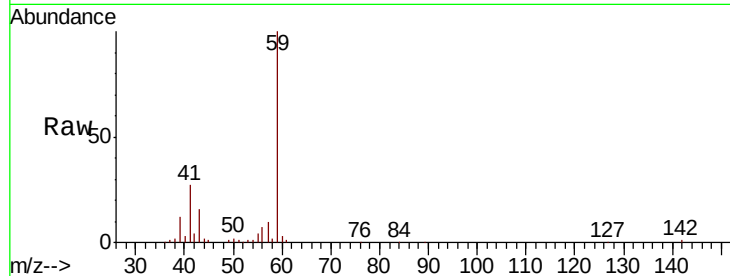


#23

tert-Butyl Alcohol
 Concen: 619.240 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

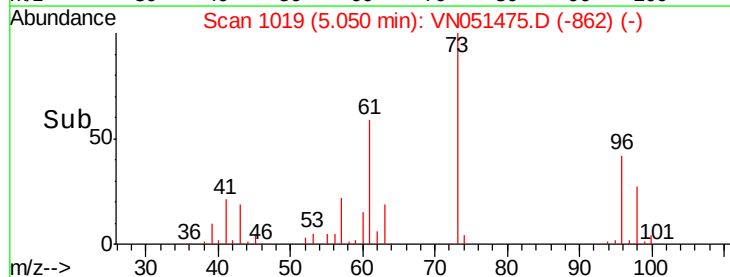
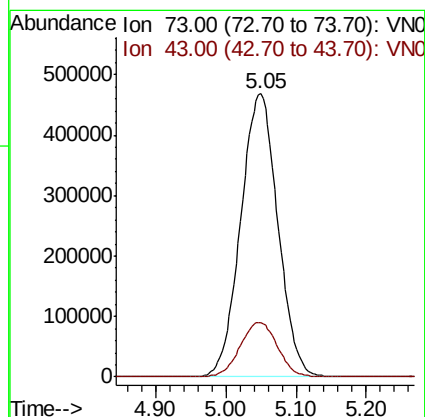
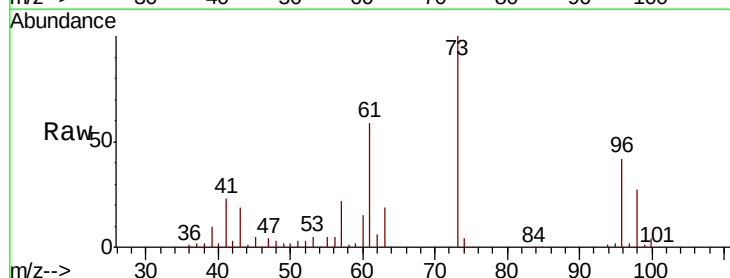
Tot Ion: 59 Resp: 211505
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

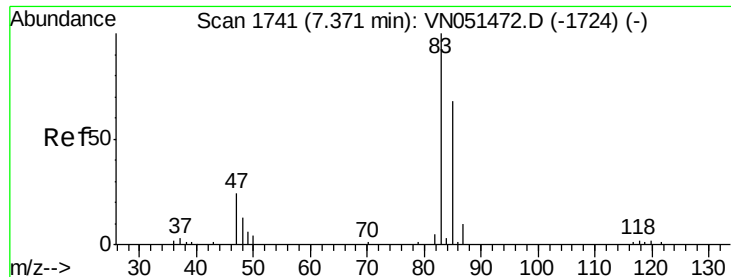


#24

Methyl tert-Butyl Ether
 Concen: 124.258 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 73 Resp: 1719240
 Ion Ratio Lower Upper
 73 100
 43 19.3 5.4 8.0#





#25

Chloroform

Concen: 116.432 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampled :

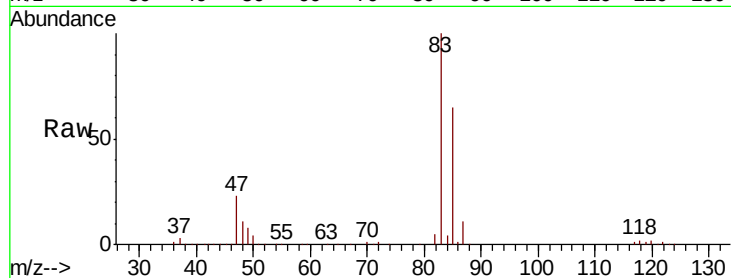
VSTDIC100

Tot Ion: 83 Resp: 1245601

Ion Ratio Lower Upper

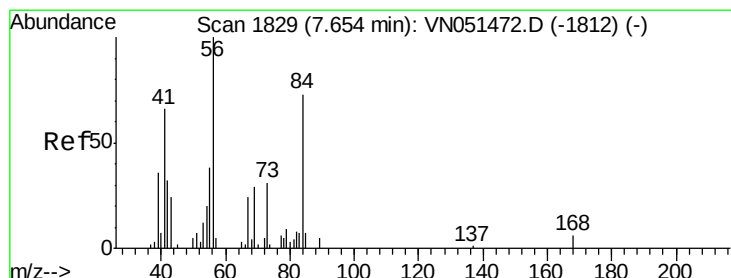
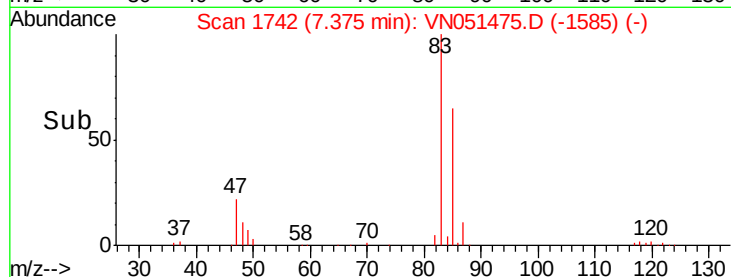
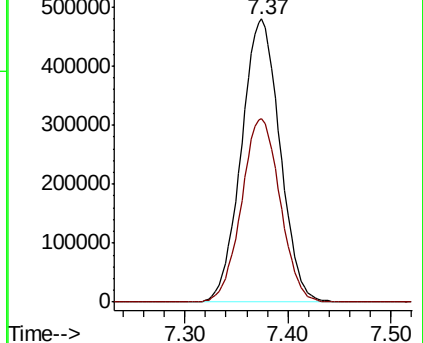
83 100

85 65.1 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 125.825 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

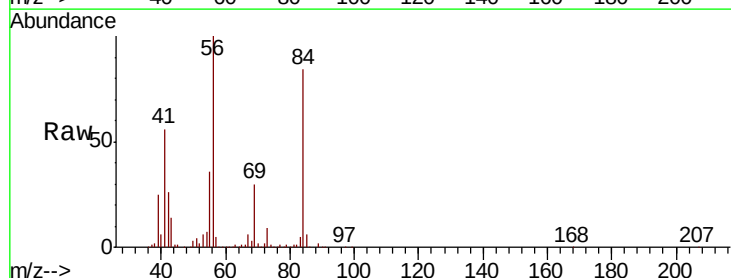
Tgt Ion: 56 Resp: 1148975

Ion Ratio Lower Upper

56 100

89 2.5 1.5 2.3#

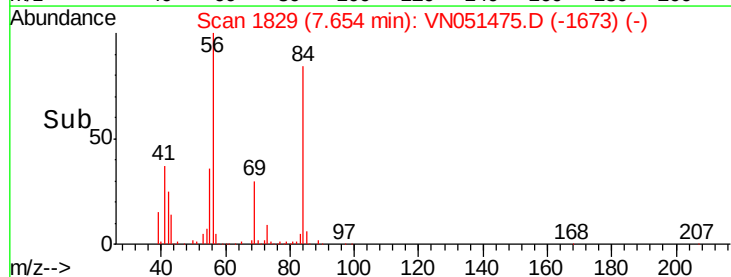
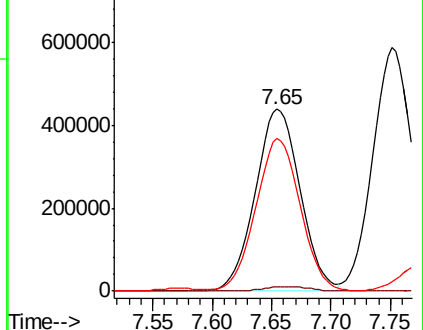
84 82.9 64.2 96.4

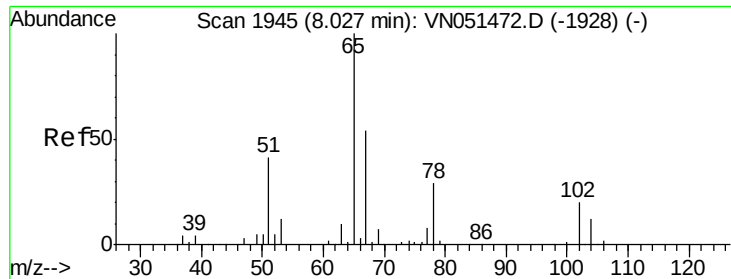


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

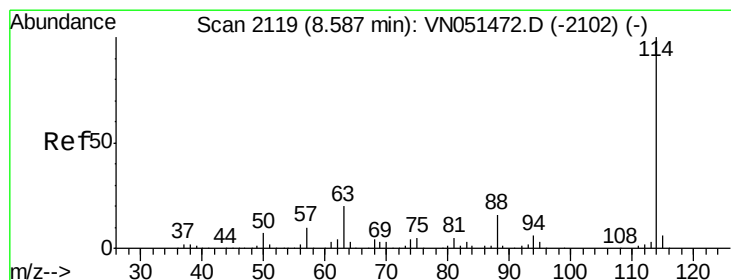
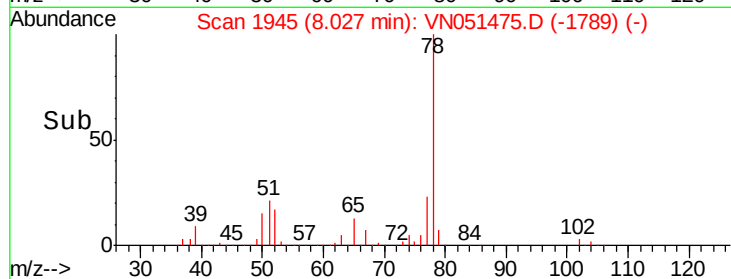
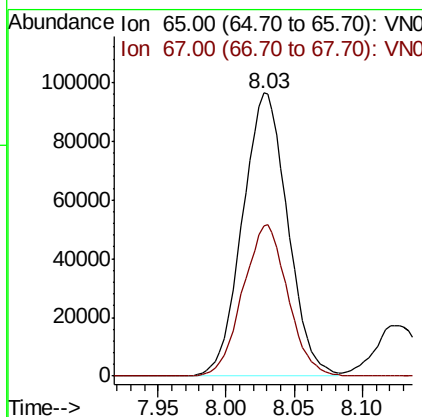
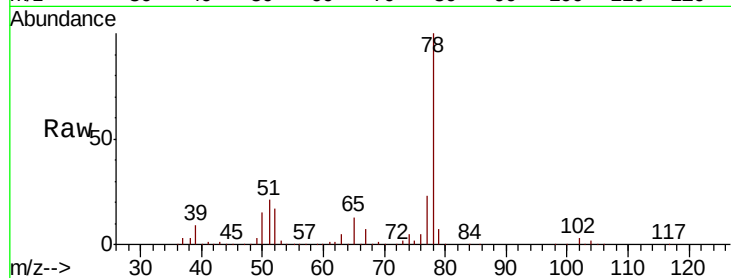




#27
 1,2-Dichloroethane-d4
 Concen: 29.908 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

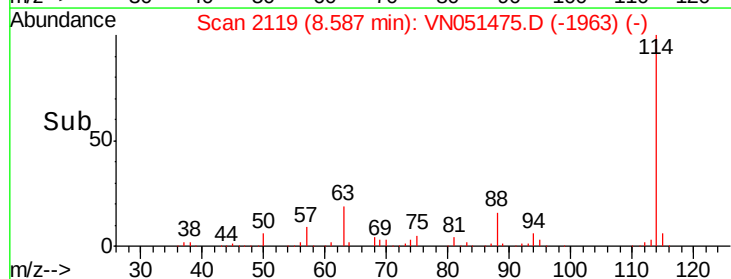
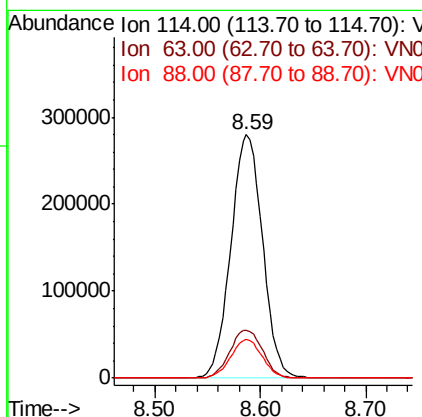
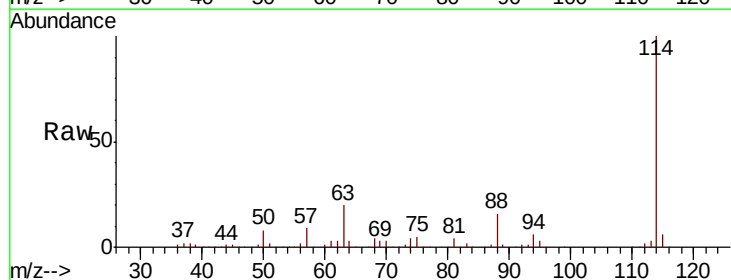
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

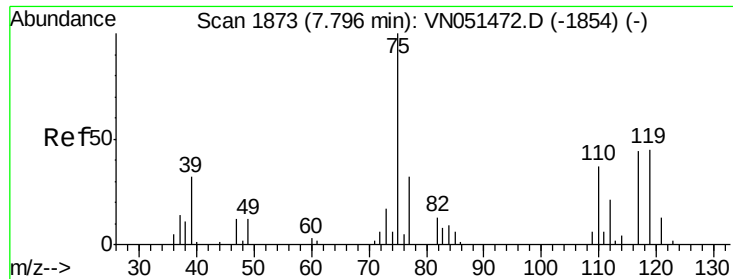
Tot Ion: 65 Resp: 221653
 Ion Ratio Lower Upper
 65 100
 67 53.0 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 114 Resp: 583002
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.2 24.2
 88 15.7 12.2 18.4

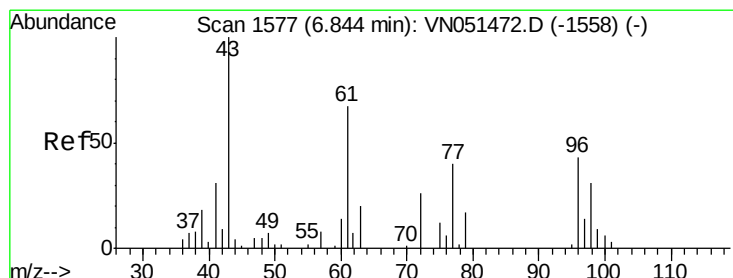
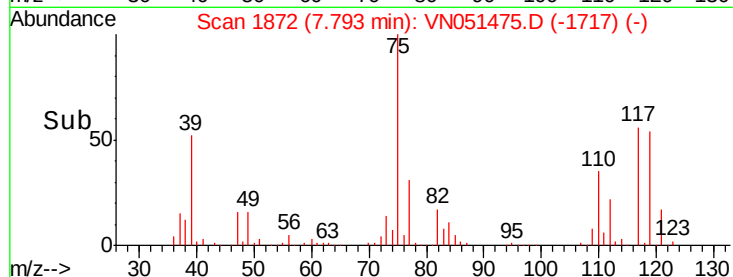
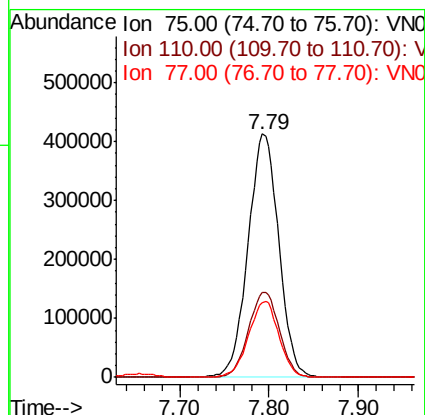
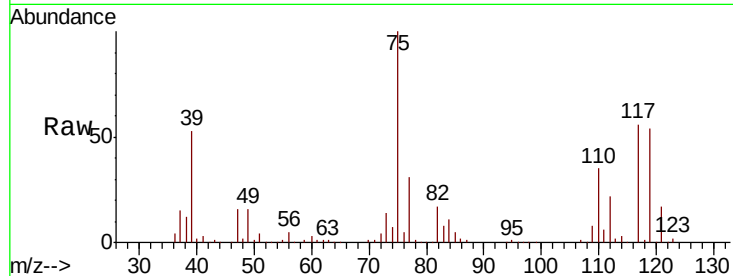




#29
 1,1-Dichloropropene
 Concen: 120.313 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

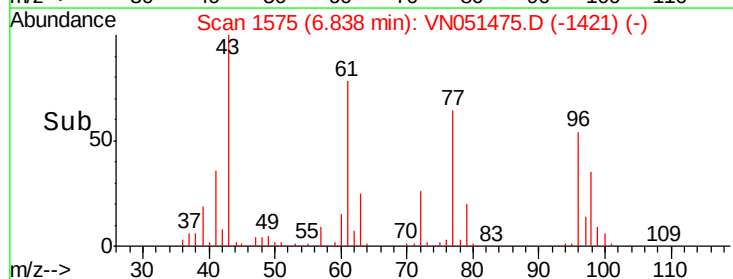
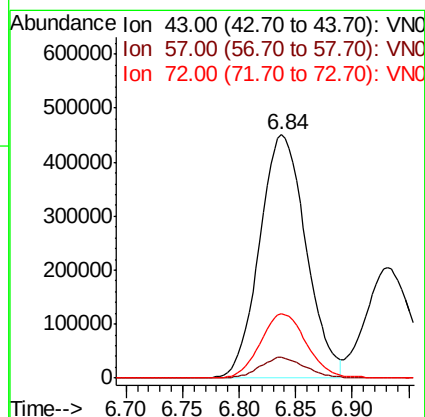
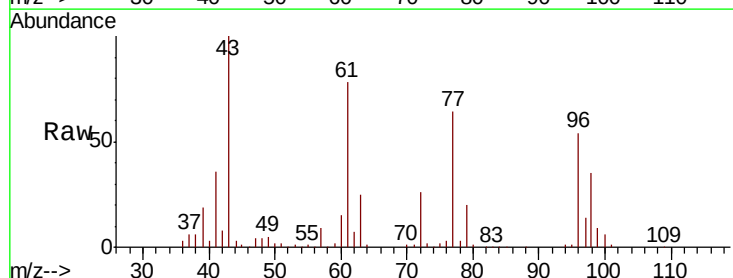
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

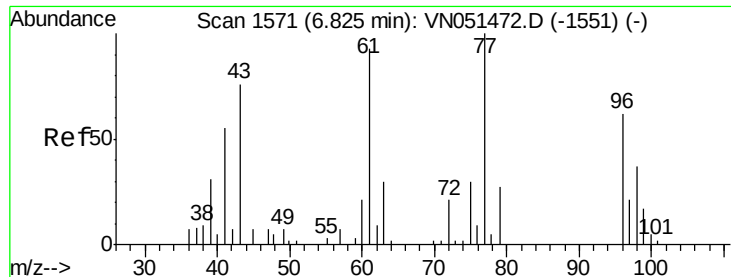
Tot Ion: 75 Resp: 987626
 Ion Ratio Lower Upper
 75 100
 110 35.2 0.0 70.8
 77 31.1 0.0 61.6



#30
 2-Butanone
 Concen: 604.952 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 43 Resp: 1282737
 Ion Ratio Lower Upper
 43 100
 57 8.3 4.5 6.7#
 72 26.6 21.5 32.3

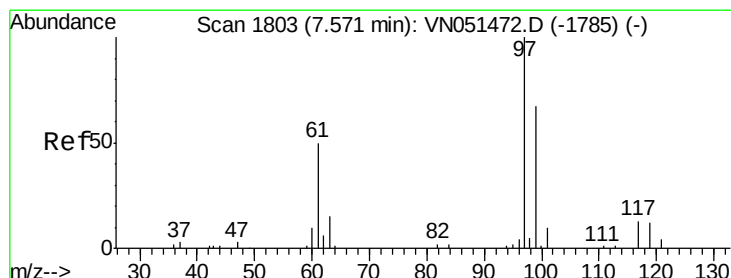
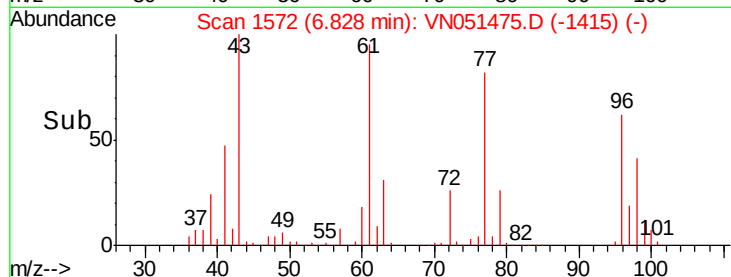
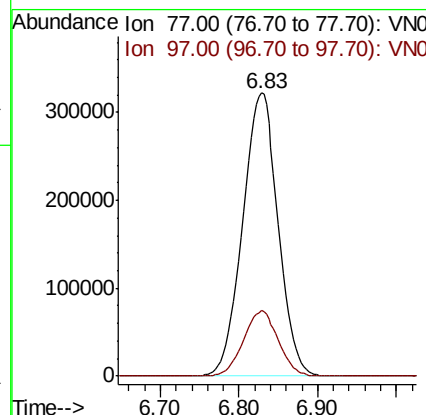
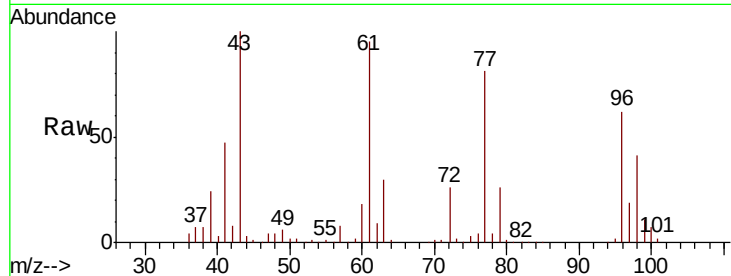




#31
 2,2-Dichloropropane
 Concen: 116.412 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

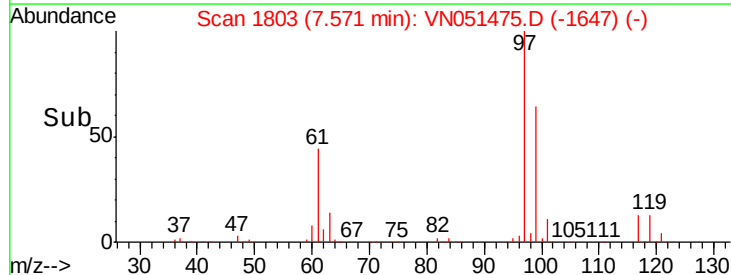
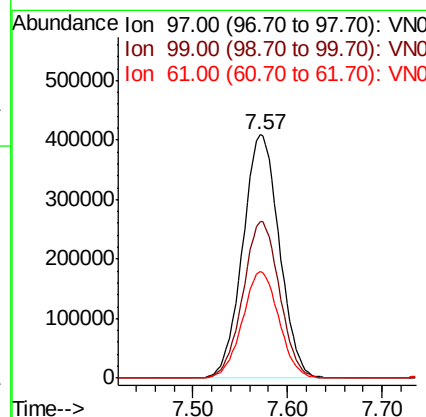
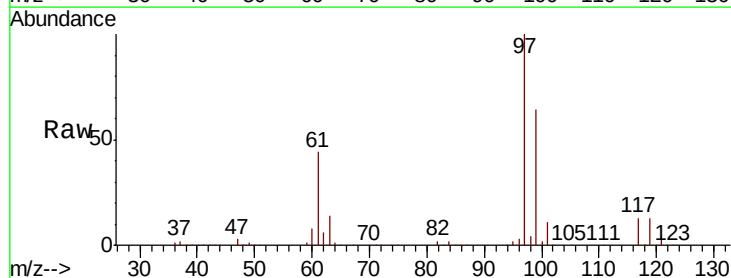
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

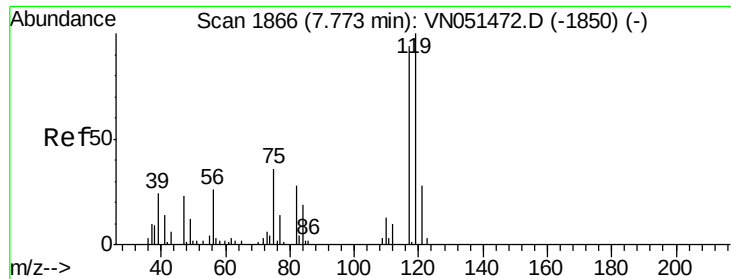
Tot Ion: 77 Resp: 1019320
 Ion Ratio Lower Upper
 77 100
 97 22.8 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 117.025 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 97 Resp: 1096684
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.6 77.4
 61 43.5 37.4 56.0

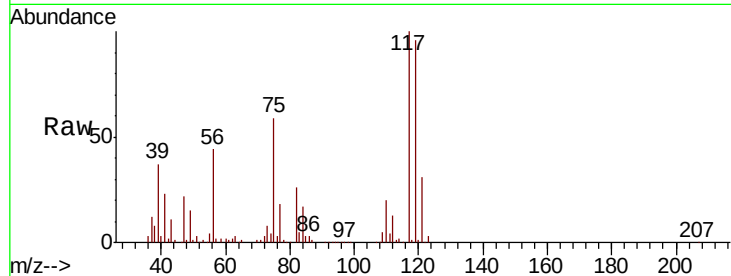




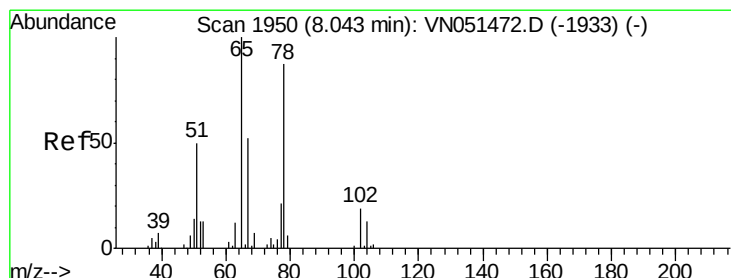
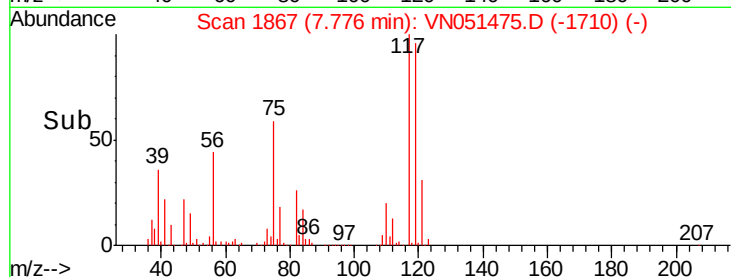
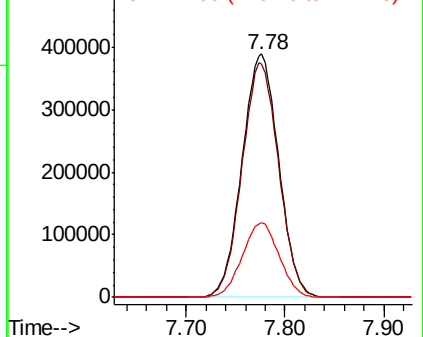
#33
Carbon Tetrachloride
Concen: 116.023 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 997659
Ion Ratio Lower Upper
117 100
119 95.9 85.1 127.7
121 30.7 24.2 36.2

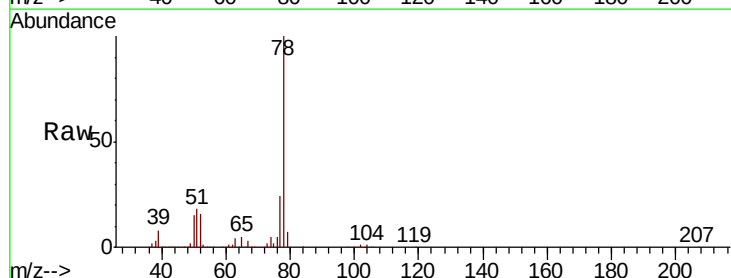


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

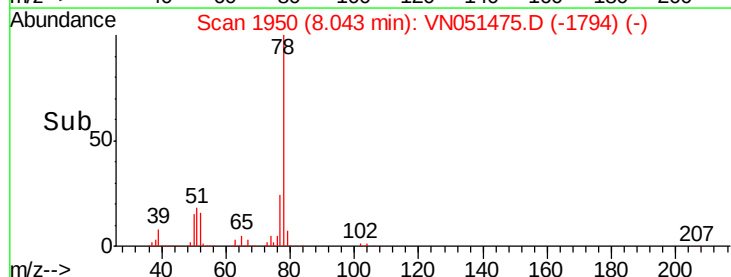
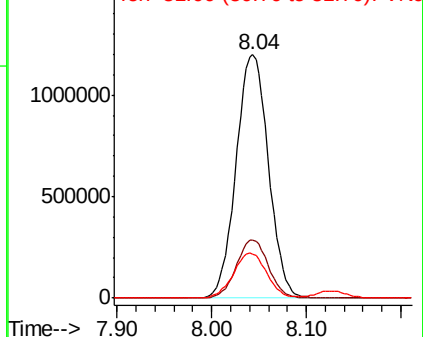


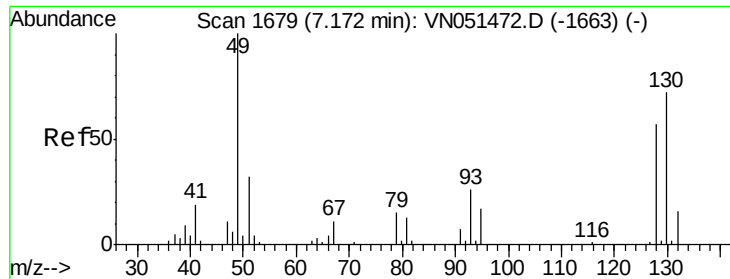
#34
Benzene
Concen: 116.849 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 78 Resp: 2847753
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2
51 18.1 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

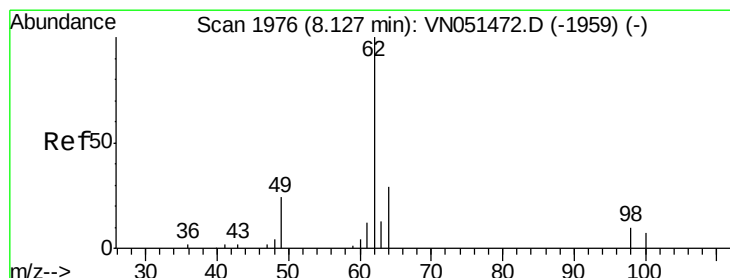
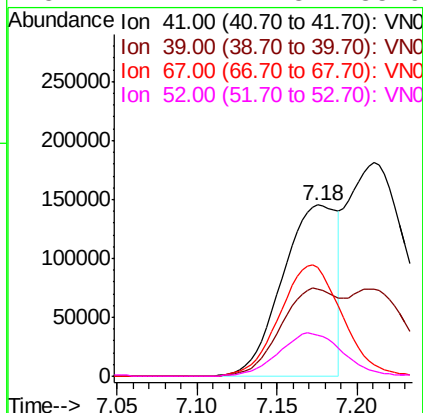
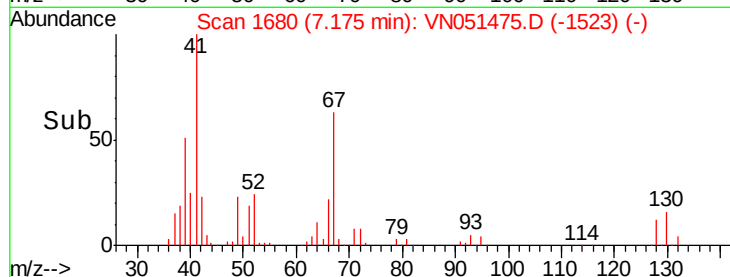
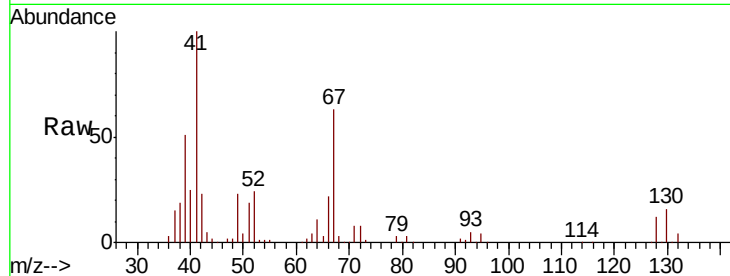




#35
Methacrylonitrile
Concen: 112.968 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

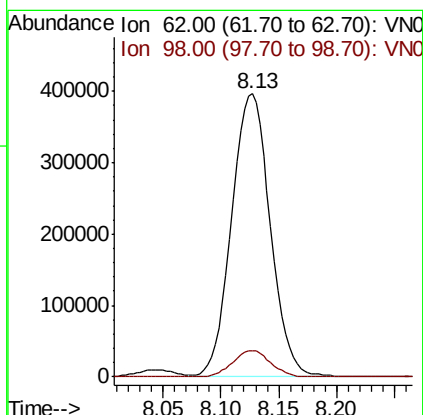
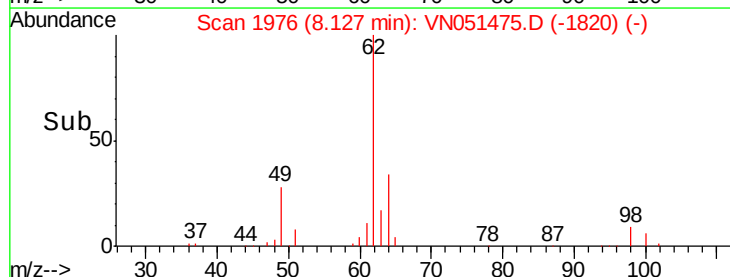
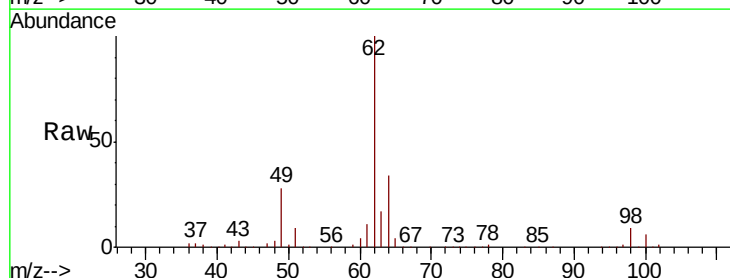
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

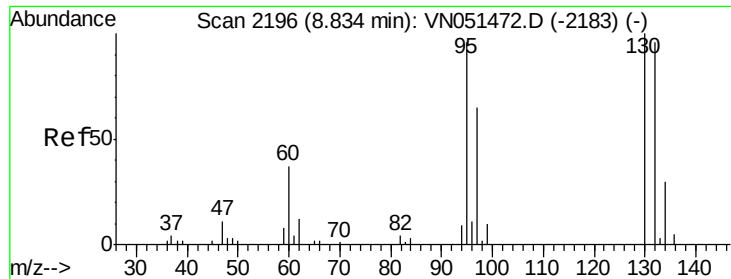
Tot Ion: 41 Resp: 345183
Ion Ratio Lower Upper
41 100
39 51.0 22.6 67.7
67 63.4 28.9 86.8
52 24.1 11.3 33.9



#36
1,2-Dichloroethane
Concen: 114.843 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 62 Resp: 911355
Ion Ratio Lower Upper
62 100
98 9.3 6.9 10.3

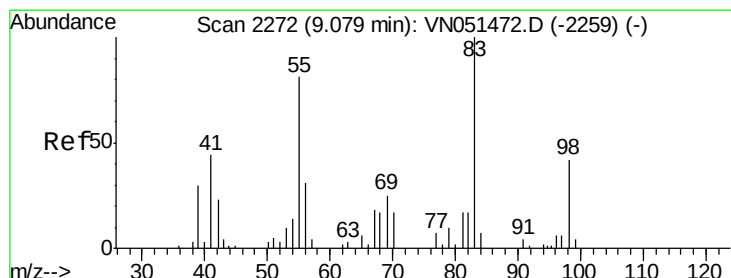
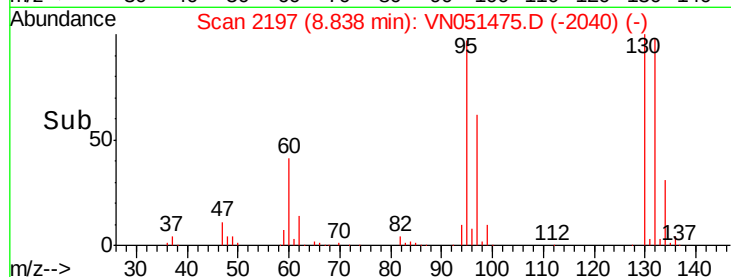
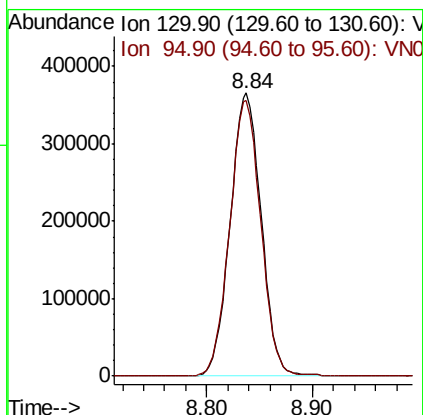
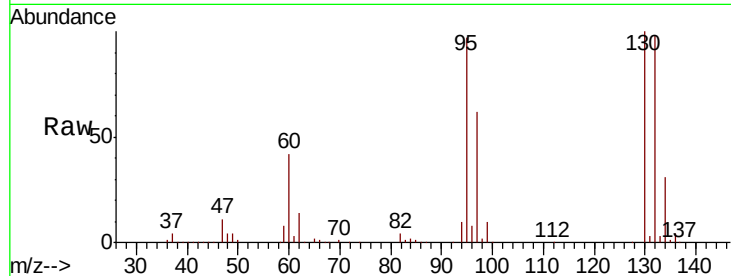




#37
 Trichloroethene
 Concen: 115.307 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

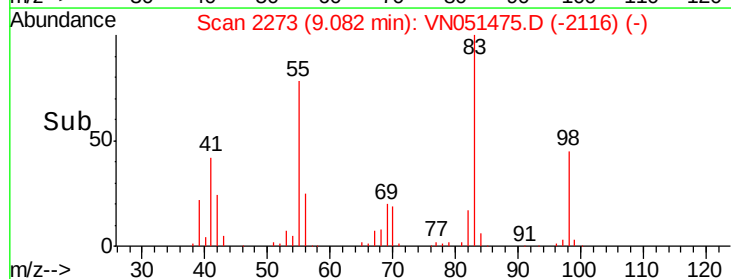
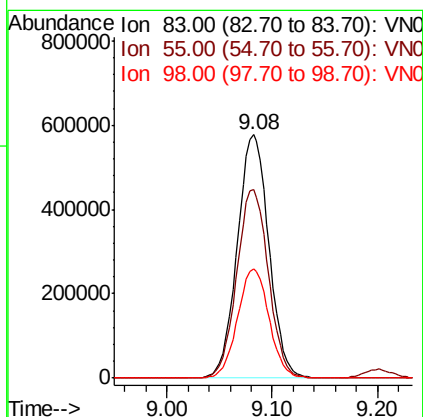
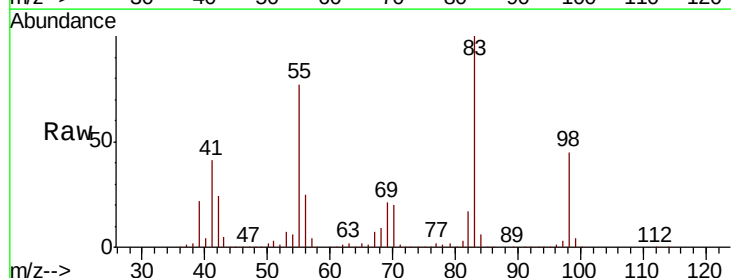
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

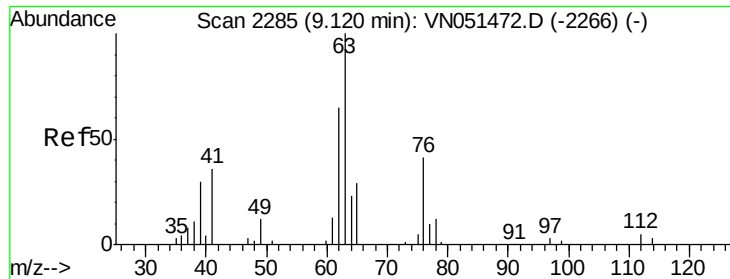
Tot Ion:130 Resp: 744811
 Ion Ratio Lower Upper
 130 100
 95 97.3 76.4 114.6



#38
 Methylcyclohexane
 Concen: 125.890 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 83 Resp: 1197938
 Ion Ratio Lower Upper
 83 100
 55 78.0 43.0 129.2
 98 45.1 21.3 63.7





#39

1,2-Dichloropropane

Concen: 116.495 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

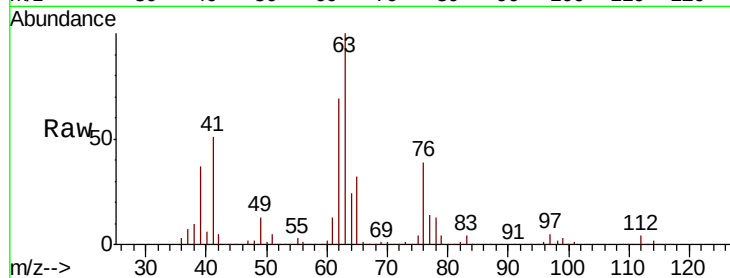
VSTDIC100

Tot Ion: 63 Resp: 772340

Ion Ratio Lower Upper

63 100

65 31.8 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

400000

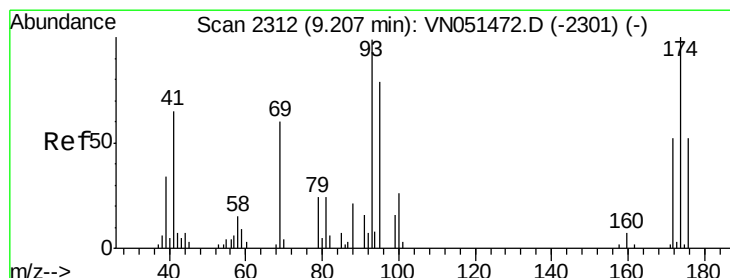
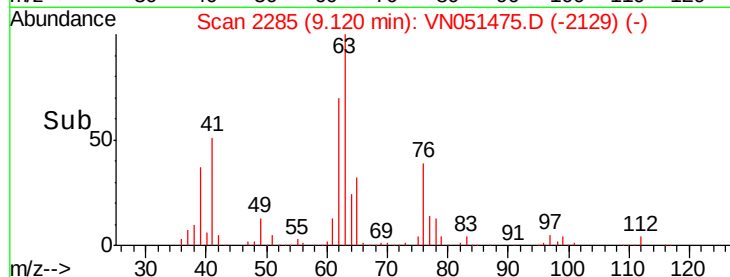
300000

200000

100000

0

Time-->



#40

Dibromomethane

Concen: 117.225 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

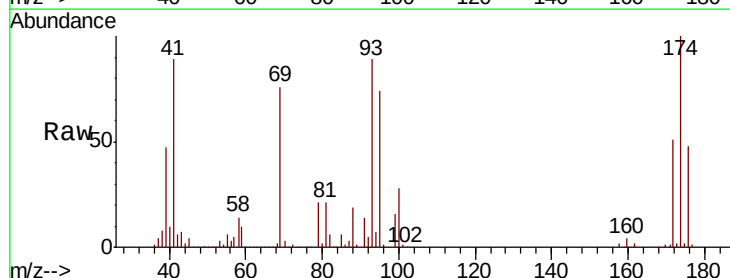
Tgt Ion: 93 Resp: 442342

Ion Ratio Lower Upper

93 100

95 84.2 0.0 162.0

174 111.7 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

300000

250000

200000

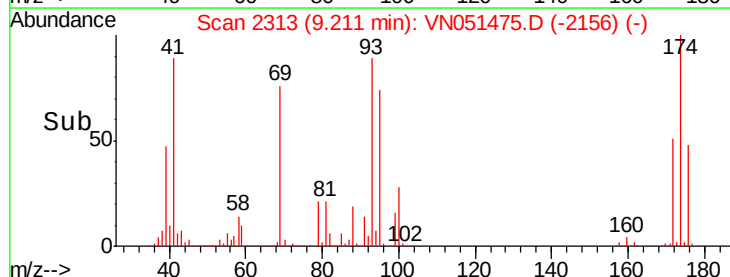
150000

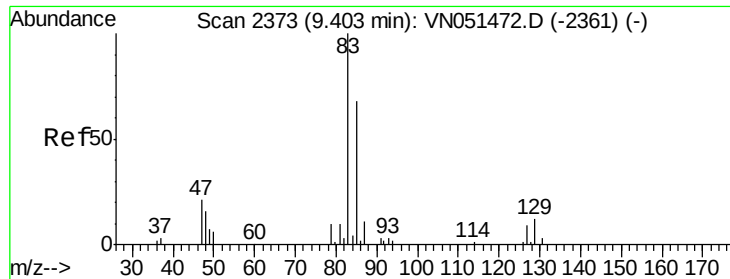
100000

50000

0

Time-->





#41

Bromodichloromethane

Concen: 118.210 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

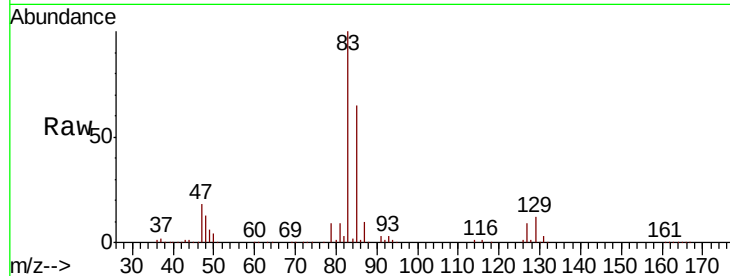
Tot Ion: 83 Resp: 980693

Ion Ratio Lower Upper

83 100

85 64.8 55.7 83.5

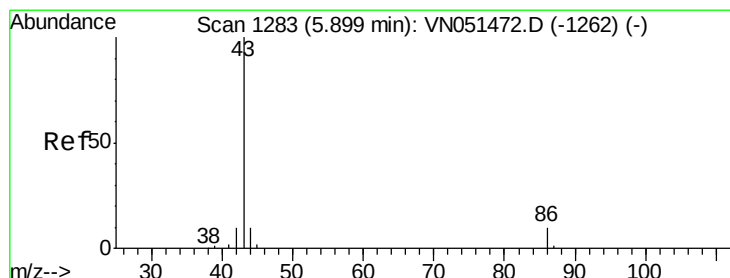
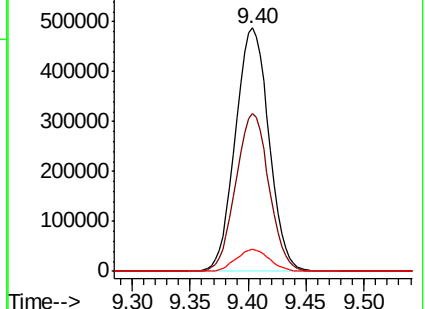
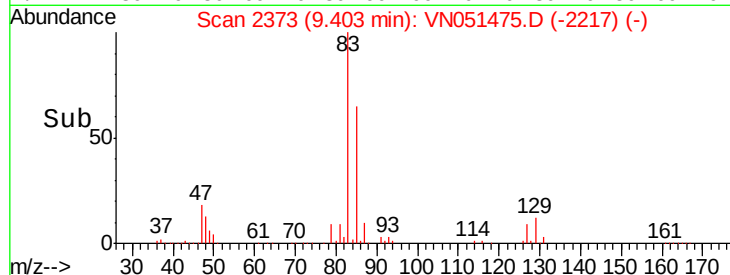
127 9.0 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051475.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051475.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051475.D (-2217) (-)



#42

Vinyl Acetate

Concen: 633.559 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051475.D

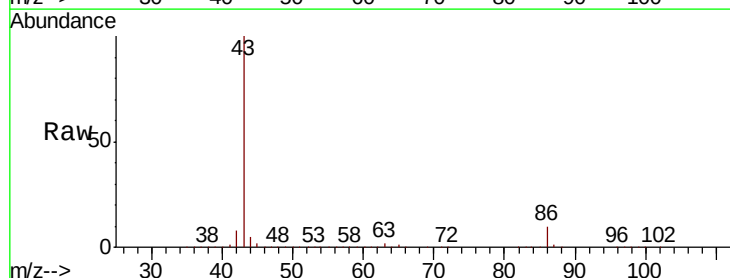
Acq: 25 Sep 2018 10:24

Tgt Ion: 43 Resp: 7470024

Ion Ratio Lower Upper

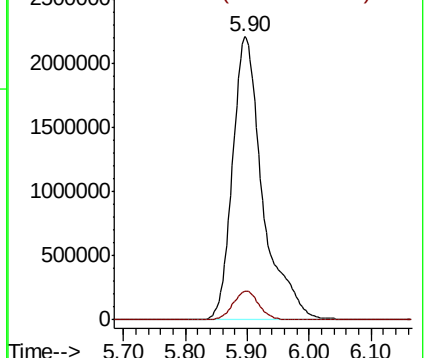
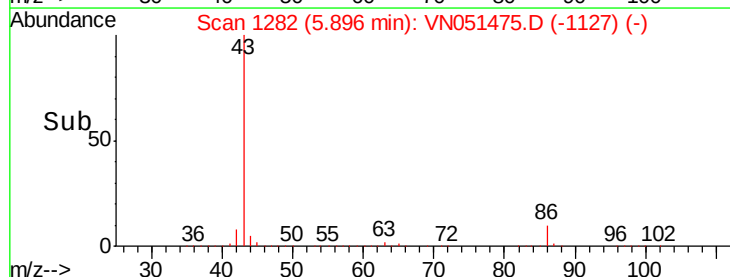
43 100

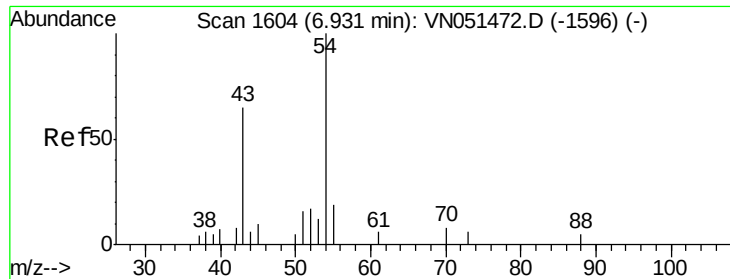
86 8.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN051475.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN051475.D (-1127) (-)





#43

Ethyl Acetate

Concen: 129.855 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

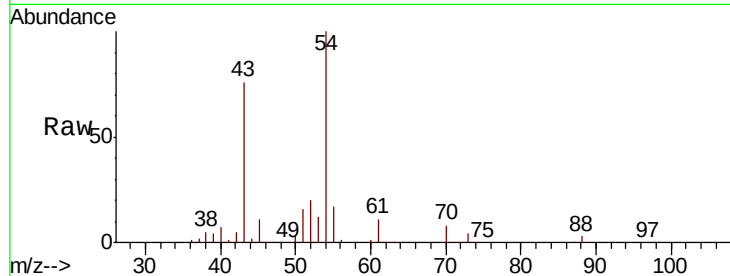
VSTDIC100

Tot Ion: 43 Resp: 572901

Ion Ratio Lower Upper

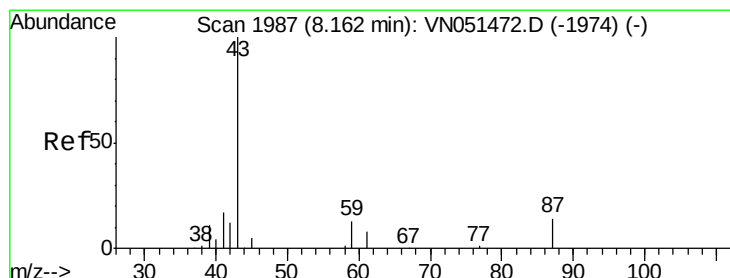
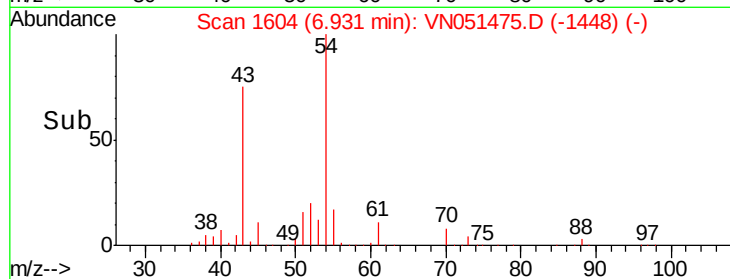
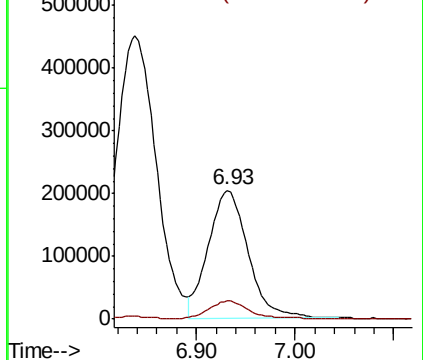
43 100

45 13.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 123.159 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051475.D

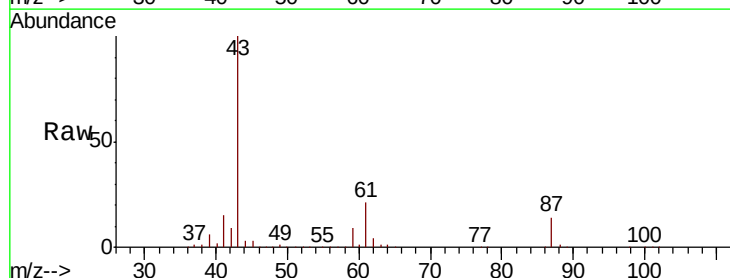
Acq: 25 Sep 2018 10:24

Tgt Ion: 43 Resp: 1045030

Ion Ratio Lower Upper

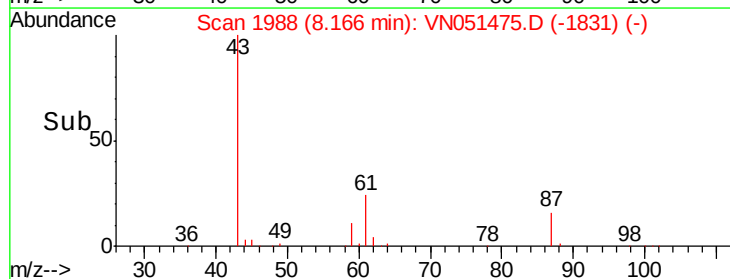
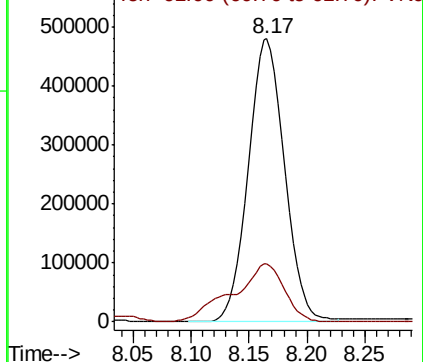
43 100

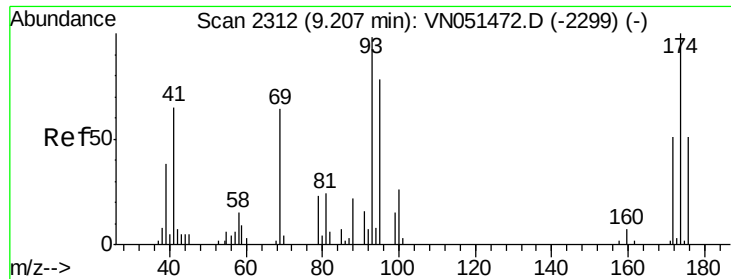
61 20.5 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 2516.109 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

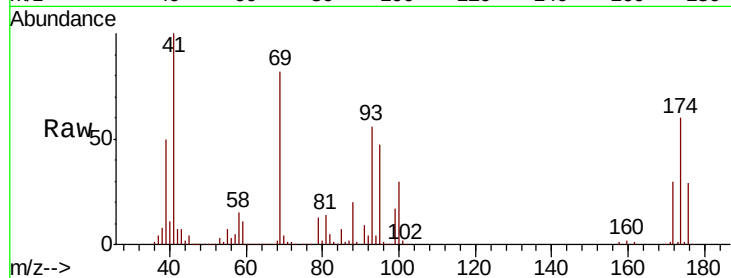
Tot Ion: 88 Resp: 129887

Ion Ratio Lower Upper

88 100

43 33.6 26.2 39.2

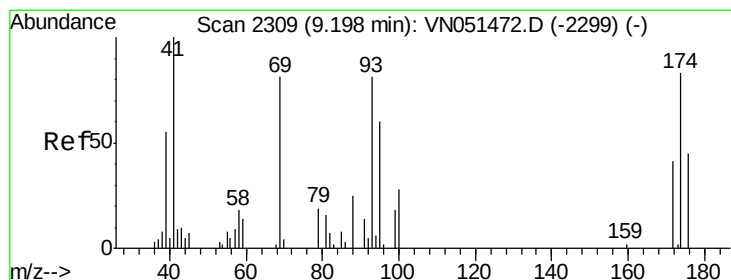
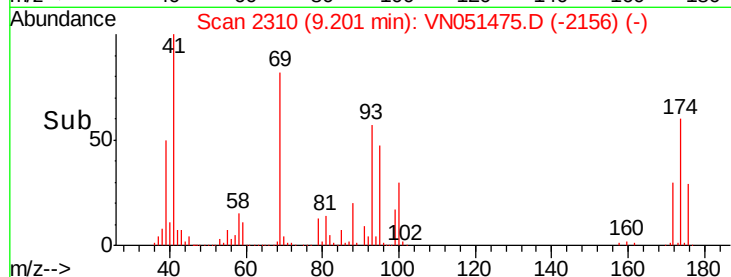
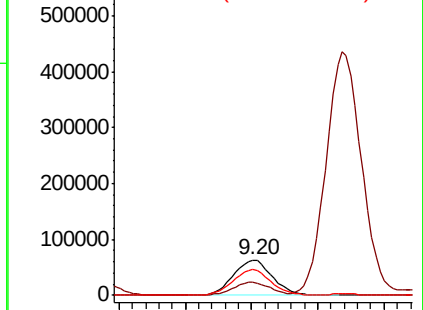
58 71.4 65.6 98.4



Abundance Ion 88.00 (87.70 to 88.70): VN051472.D (-2299) (-)

Ion 43.00 (42.70 to 43.70): VN051472.D (-2299) (-)

Ion 58.00 (57.70 to 58.70): VN051472.D (-2299) (-)



#46

Methyl methacrylate

Concen: 130.440 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

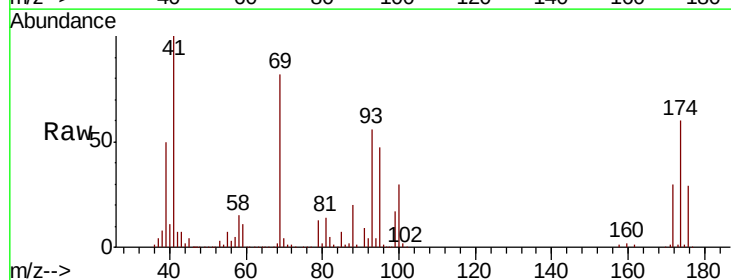
Tgt Ion: 41 Resp: 548106

Ion Ratio Lower Upper

41 100

69 82.9 40.7 122.1

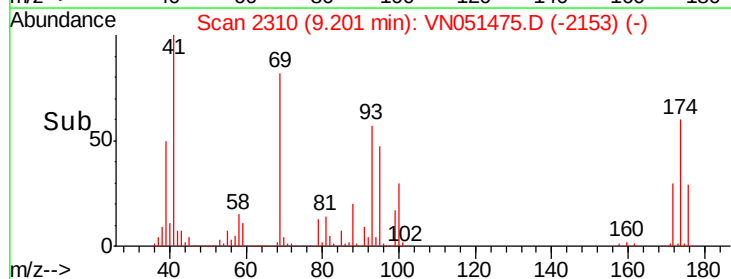
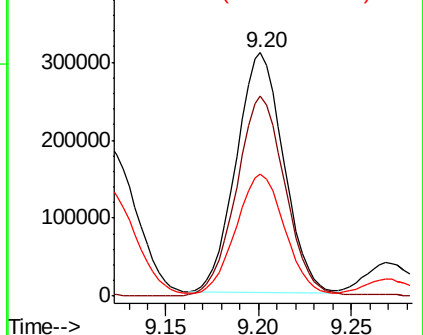
39 49.9 27.3 81.9

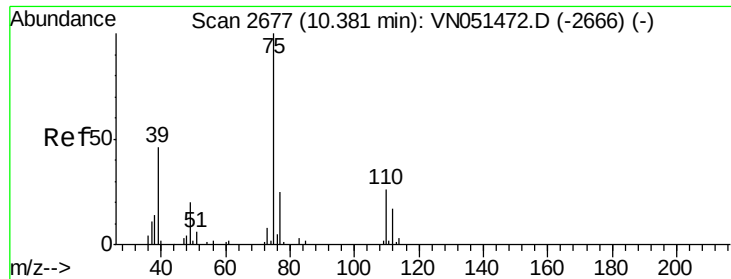


Abundance Ion 41.00 (40.70 to 41.70): VN051475.D (-2153) (-)

Ion 69.00 (68.70 to 69.70): VN051475.D (-2153) (-)

Ion 39.00 (38.70 to 39.70): VN051475.D (-2153) (-)





#48

t-1,3-Dichloropropene

Concen: 125.966 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

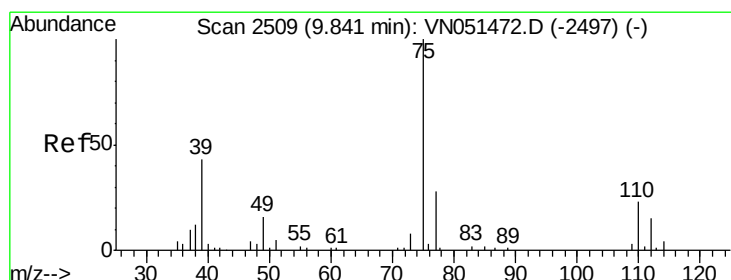
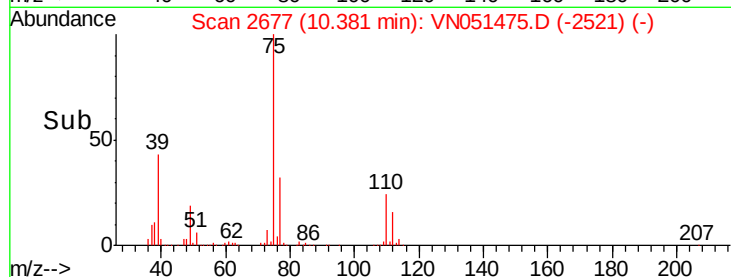
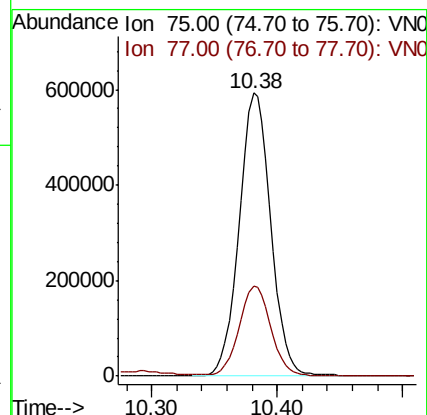
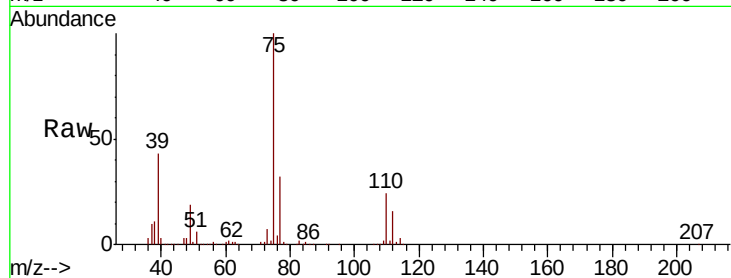
VSTDIC100

Tot Ion: 75 Resp: 1037730

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 123.850 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

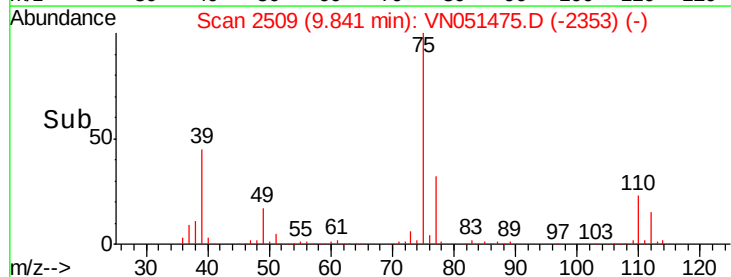
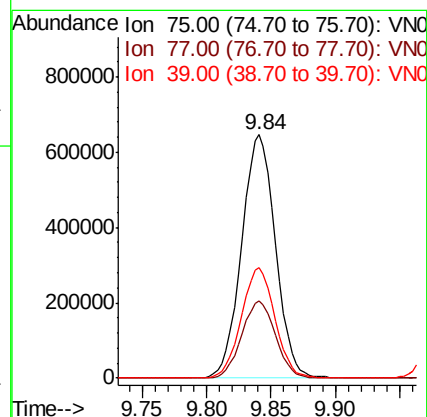
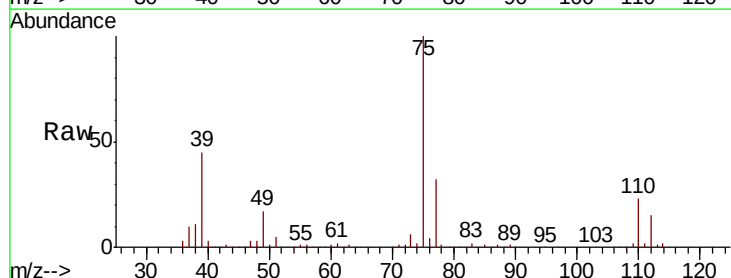
Tgt Ion: 75 Resp: 1181023

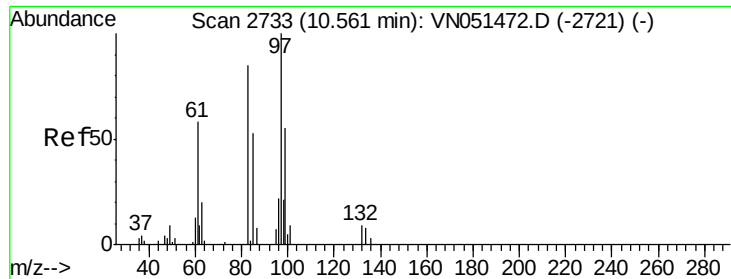
Ion Ratio Lower Upper

75 100

77 31.6 23.2 34.8

39 45.1 34.6 52.0

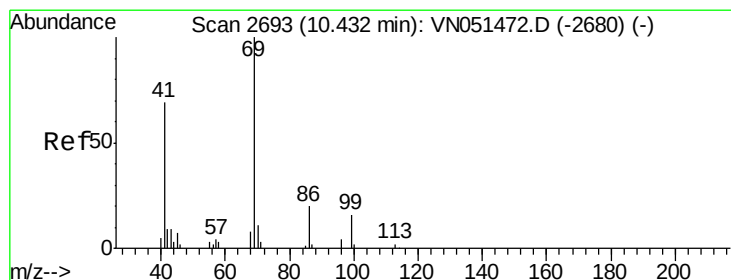
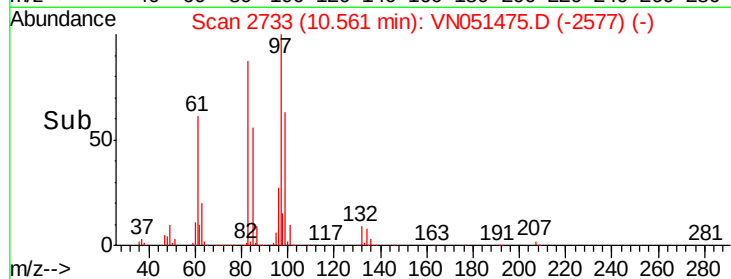
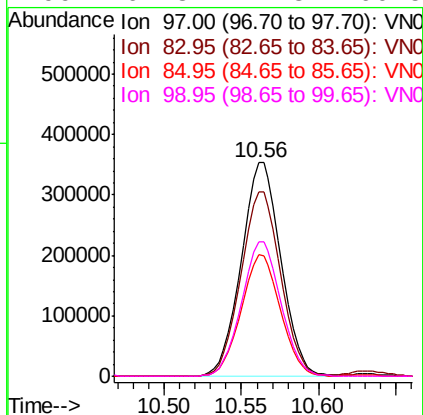
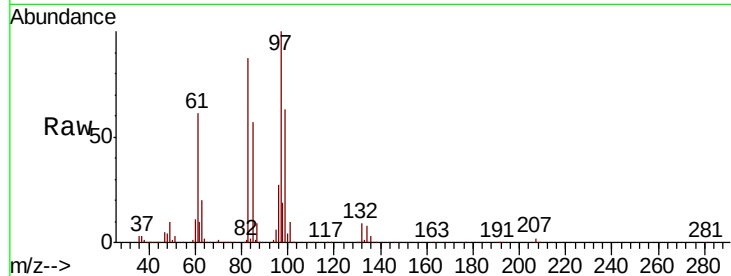




#50
 1,1,2-Trichloroethane
 Concen: 117.023 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

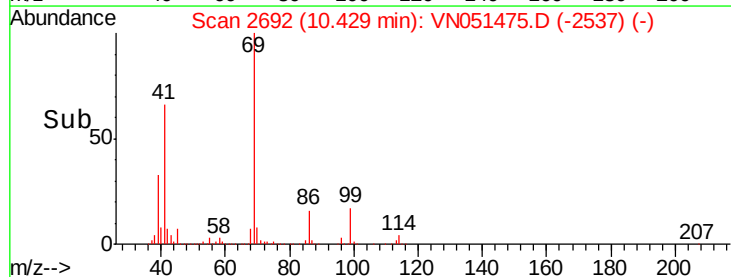
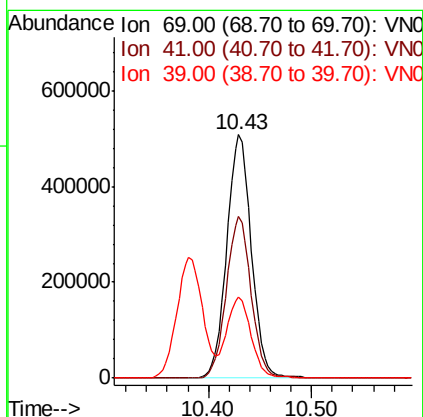
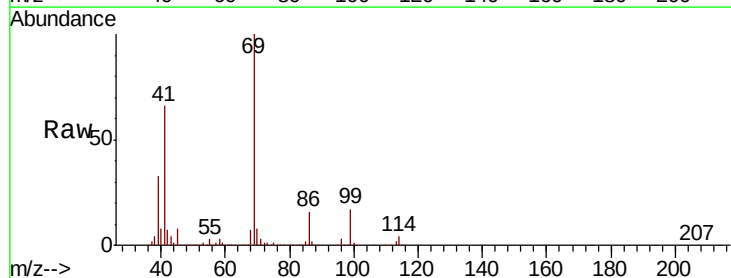
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

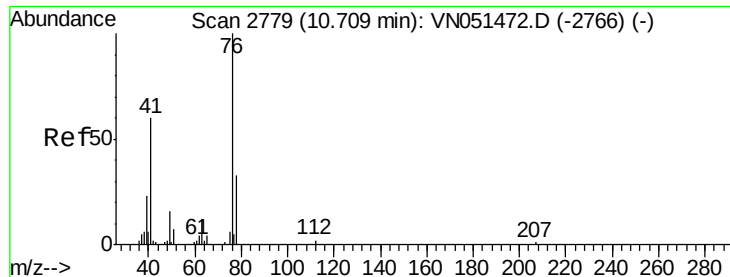
Tot Ion:	97	Resp:	631377
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.2	102.4
85	56.7	42.5	63.7
99	62.8	44.3	66.5



#51
 Ethyl methacrylate
 Concen: 132.253 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion:	69	Resp:	844485
Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.4	103.1
39	32.9	16.3	48.8





#52

1,3-Dichloropropane

Concen: 120.066 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

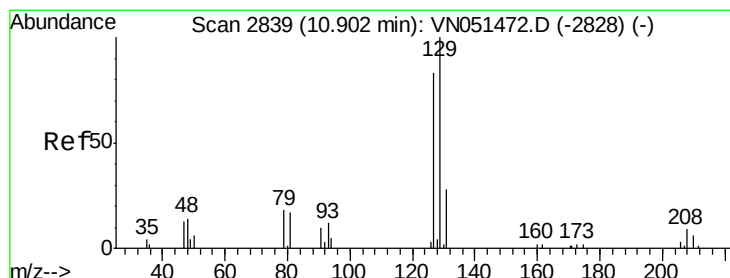
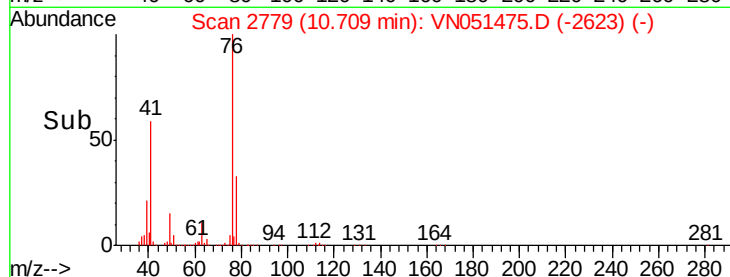
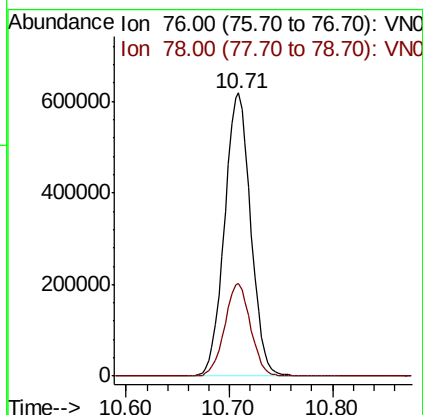
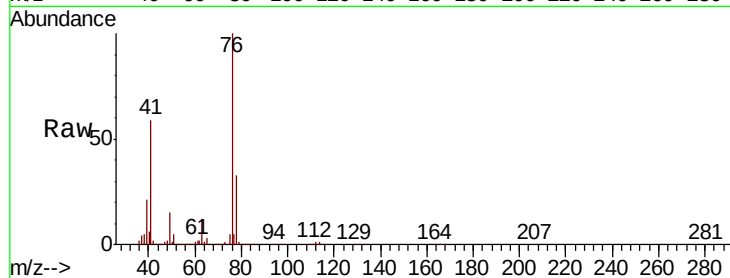
VSTDIC100

Tot Ion: 76 Resp: 1092863

Ion Ratio Lower Upper

76 100

78 32.4 0.0 67.6



#53

Dibromochloromethane

Concen: 122.654 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051475.D

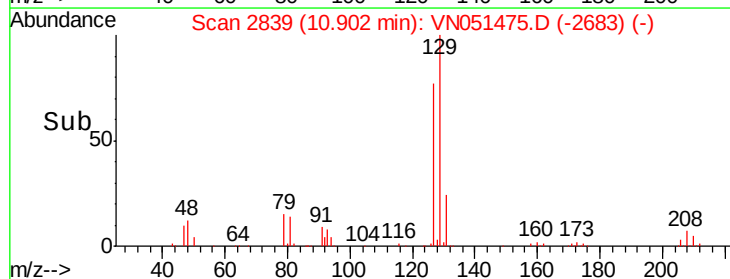
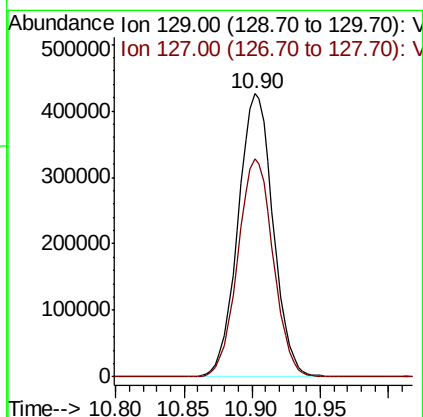
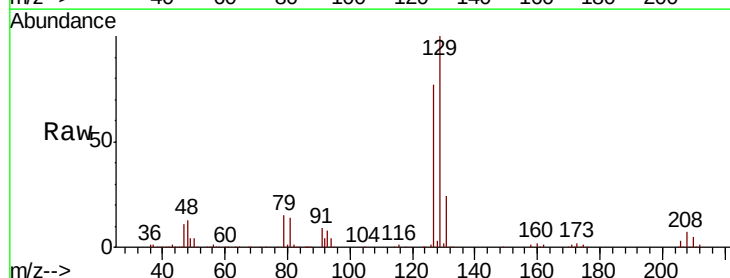
Acq: 25 Sep 2018 10:24

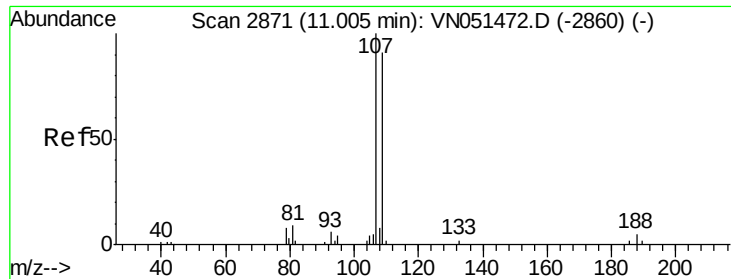
Tgt Ion: 129 Resp: 761203

Ion Ratio Lower Upper

129 100

127 77.6 40.2 120.5





#54

1,2-Dibromoethane

Concen: 122.095 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

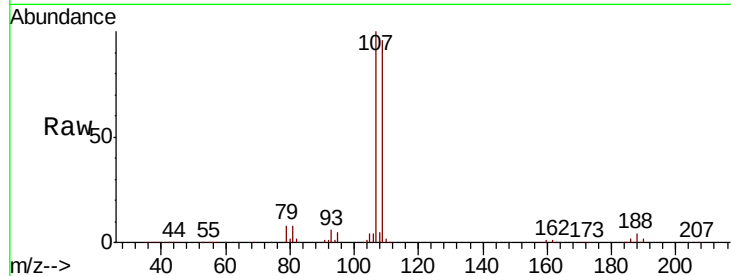
VSTDIC100

Tot Ion:107 Resp: 635601

Ion Ratio Lower Upper

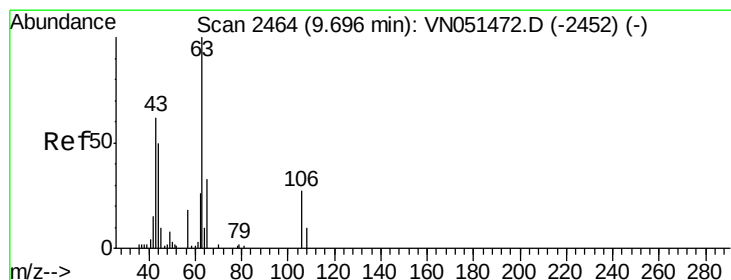
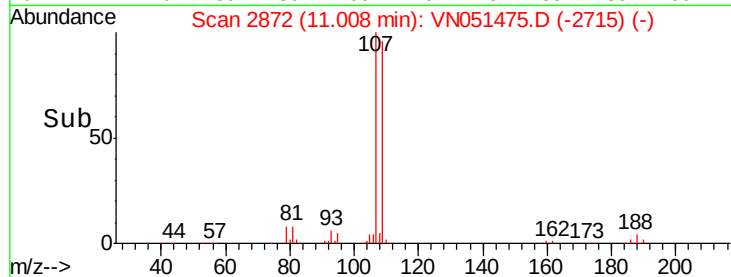
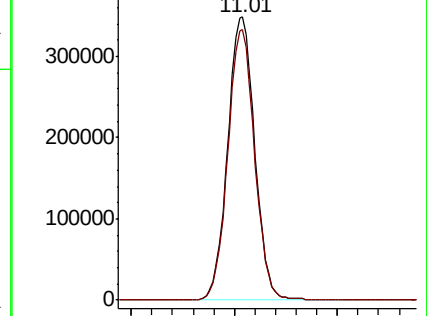
107 100

109 94.6 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

2-Chloroethyl vinyl ether

Concen: 664.372 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

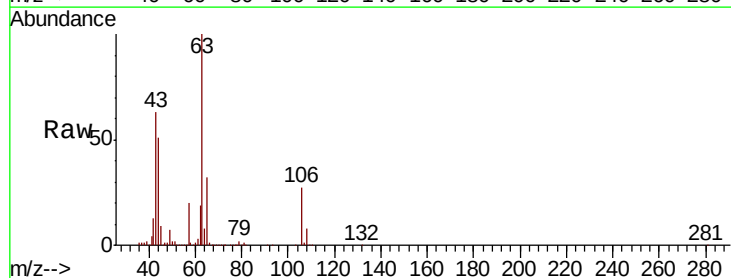
Tgt Ion: 63 Resp: 2094805

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.0

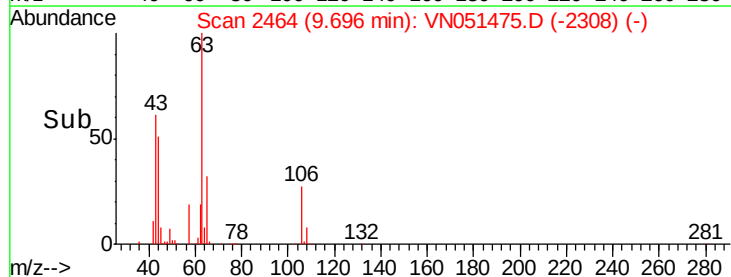
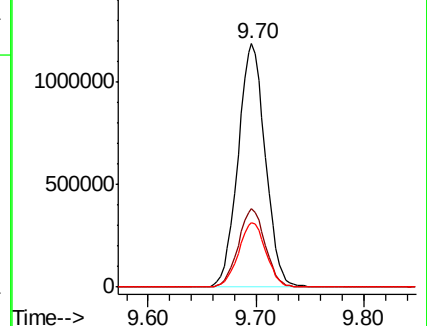
106 26.7 21.2 31.8

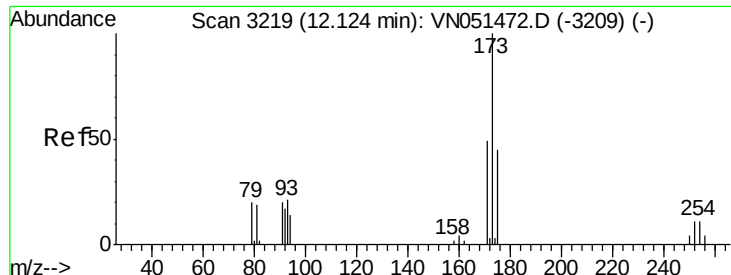


Abundance Ion 63.00 (62.70 to 63.70): VNO

Ion 65.00 (64.70 to 65.70): VNO

Ion 106.00 (105.70 to 106.70): V





#56

Bromoform

Concen: 125.452 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

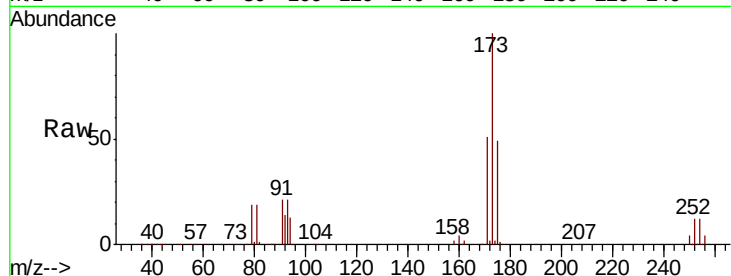
Tot Ion:173 Resp: 524895

Ion Ratio Lower Upper

173 100

175 48.0 35.8 53.8

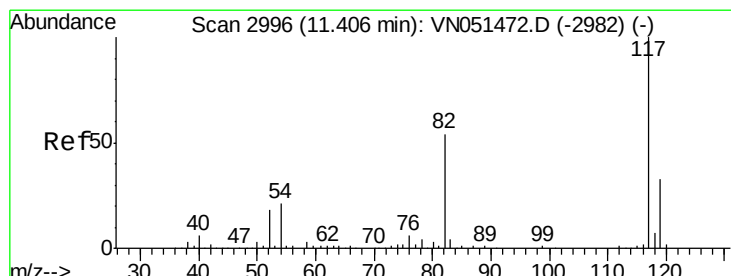
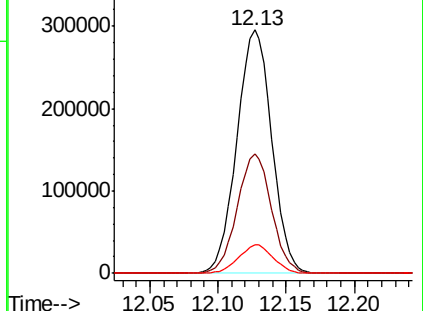
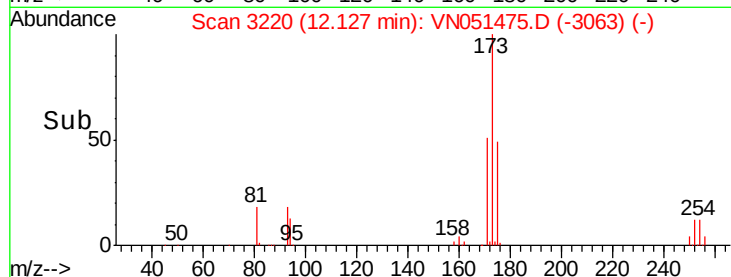
254 11.7 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

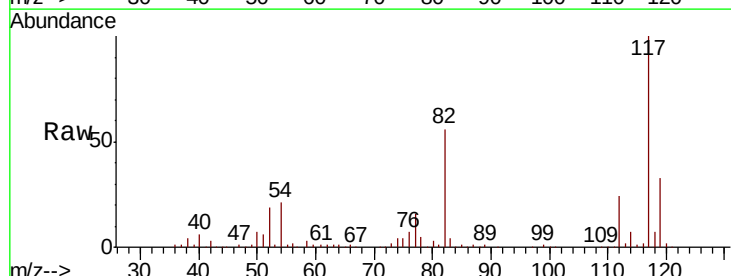
Tgt Ion:117 Resp: 529607

Ion Ratio Lower Upper

117 100

82 55.7 44.1 66.1

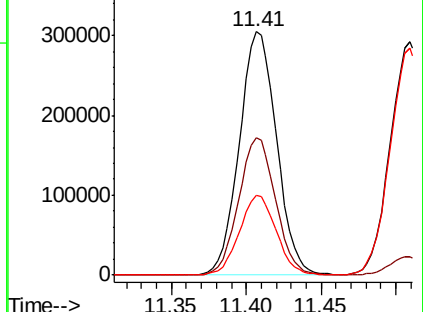
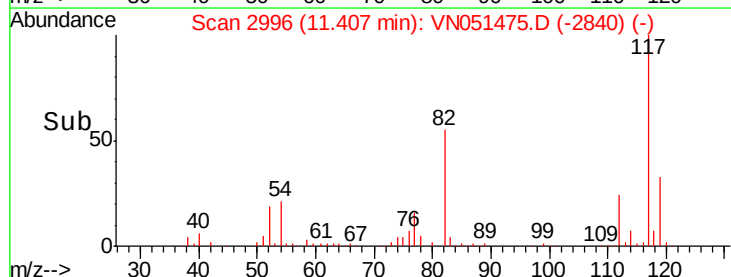
119 32.3 25.8 38.8

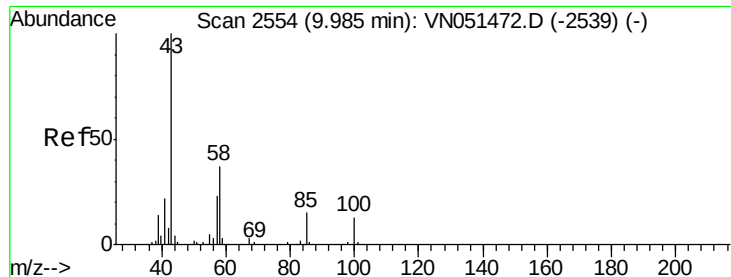


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

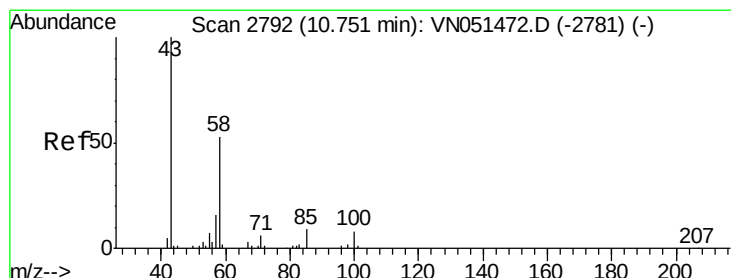
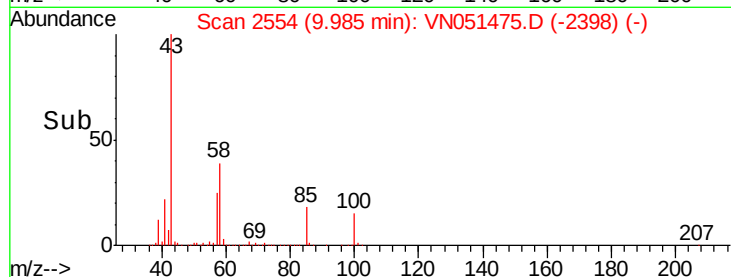
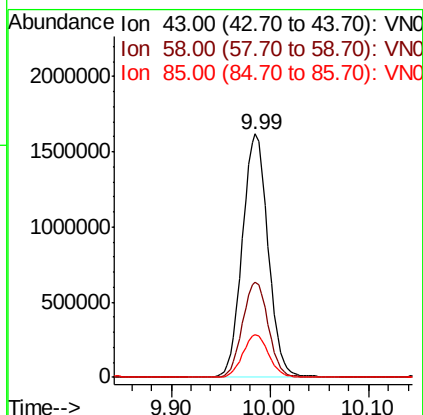
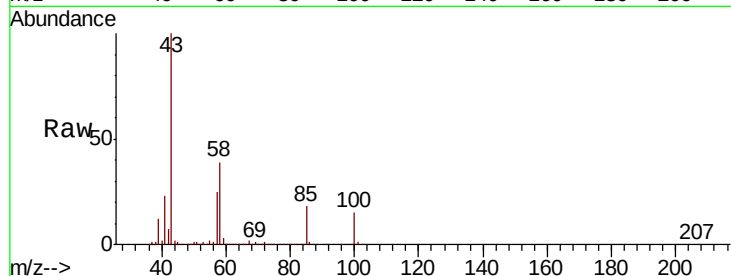




#58
 4-Methyl-2-Pentanone
 Concen: 626.747 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

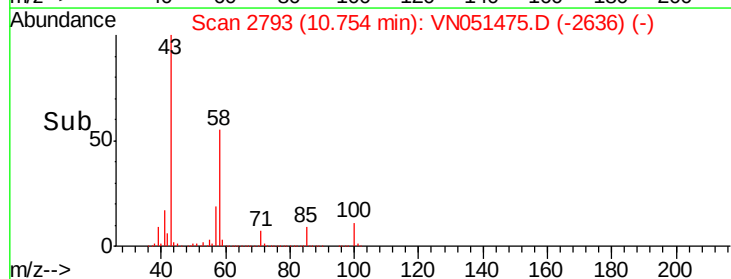
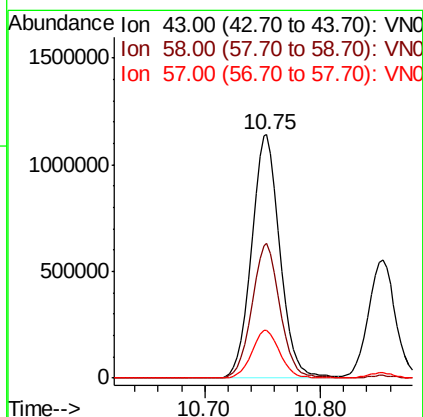
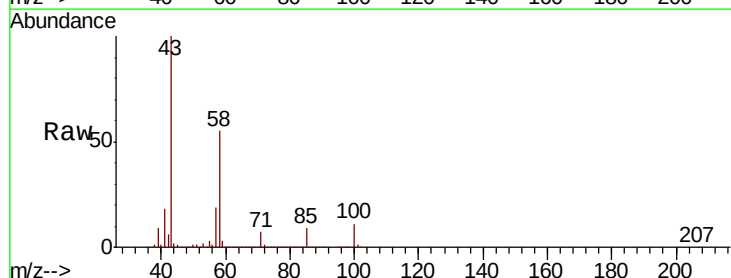
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

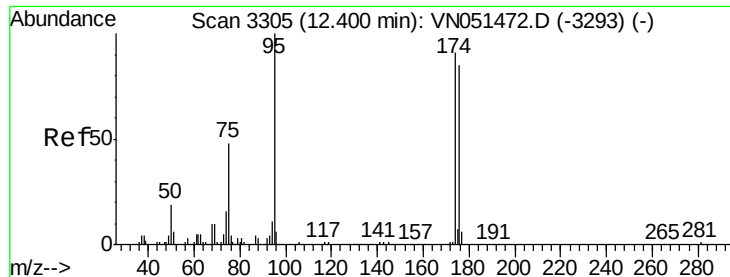
Tot Ion: 43 Resp: 2917092
 Ion Ratio Lower Upper
 43 100
 58 39.4 29.3 43.9
 85 17.6 12.6 18.8



#59
 2-Hexanone
 Concen: 636.038 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 43 Resp: 1948373
 Ion Ratio Lower Upper
 43 100
 58 54.9 41.3 61.9
 57 19.3 13.4 20.0

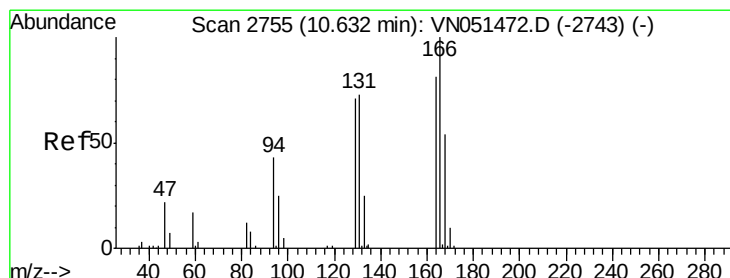
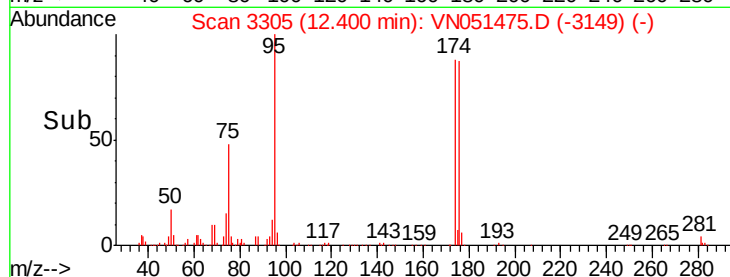
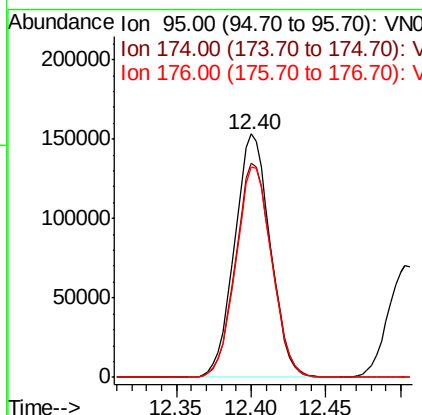
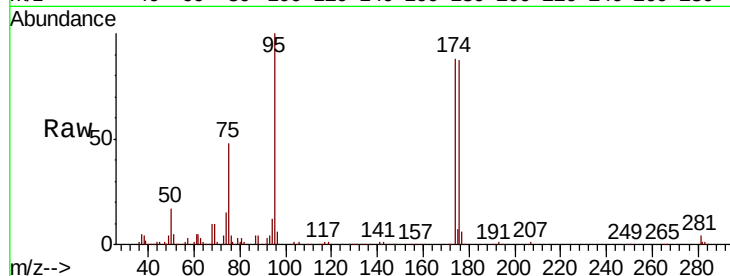




#60
4-Bromofluorobenzene
Concen: 32.700 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

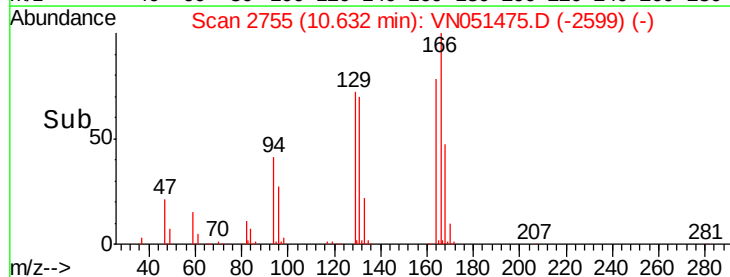
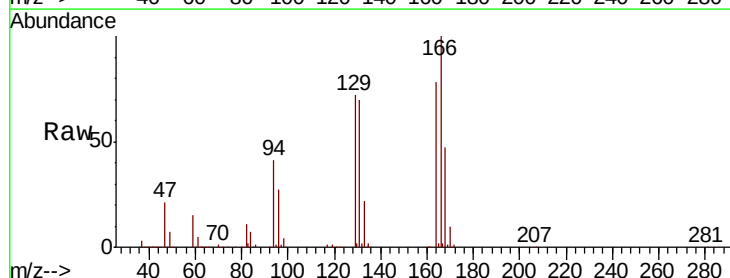
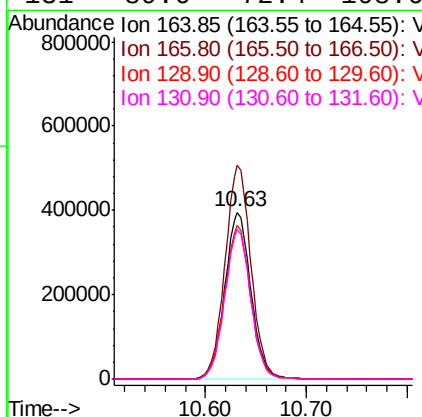
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

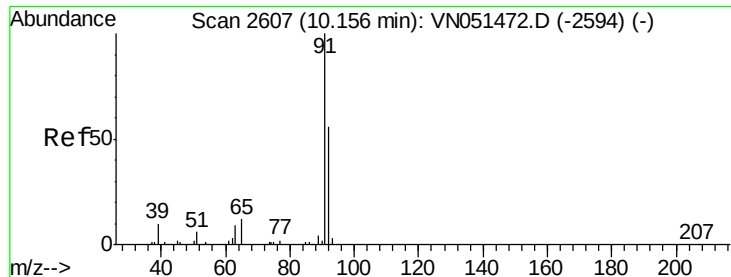
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.2	73.5	110.3
176	87.2	70.2	105.2



#61
Tetrachloroethene
Concen: 115.576 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	98.7	148.1
129	92.4	69.6	104.4
131	89.6	72.4	108.6





#62

Toluene

Concen: 117.368 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

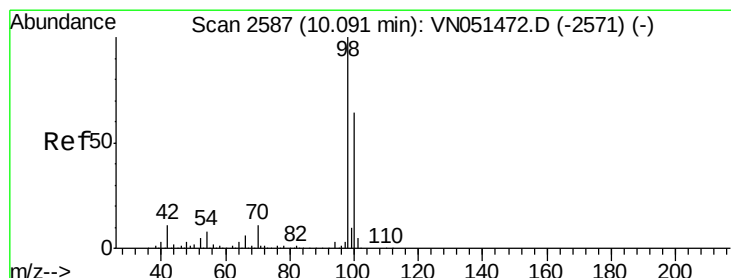
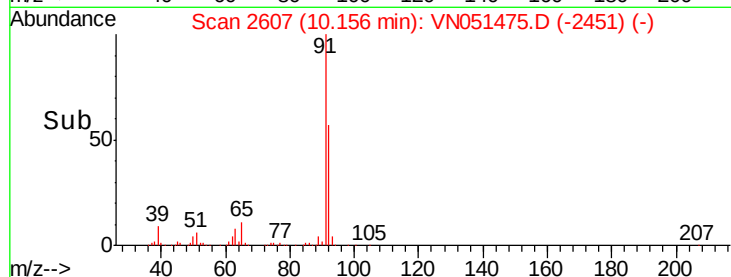
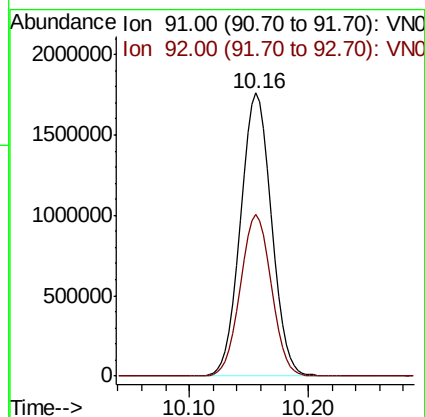
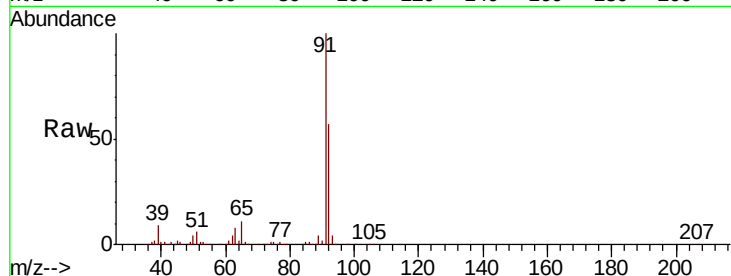
VSTDIC100

Tot Ion: 91 Resp: 3182104

Ion Ratio Lower Upper

91 100

92 57.3 44.6 66.8



#63

Toluene-d8

Concen: 29.259 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051475.D

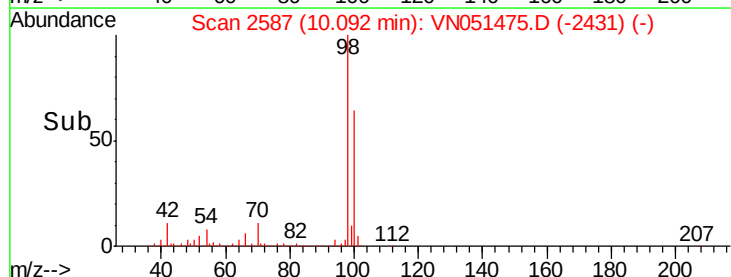
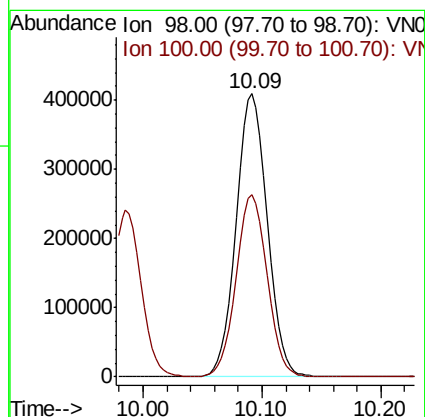
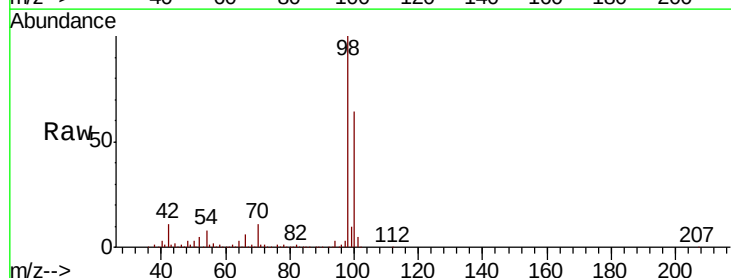
Acq: 25 Sep 2018 10:24

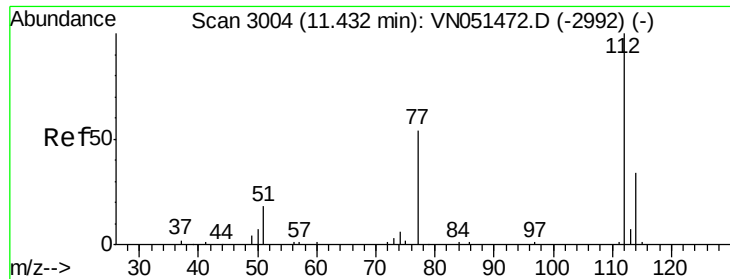
Tgt Ion: 98 Resp: 742961

Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2

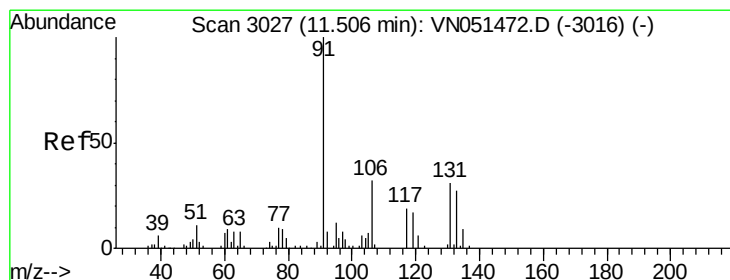
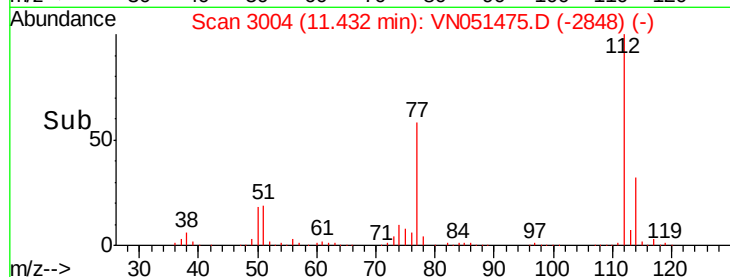
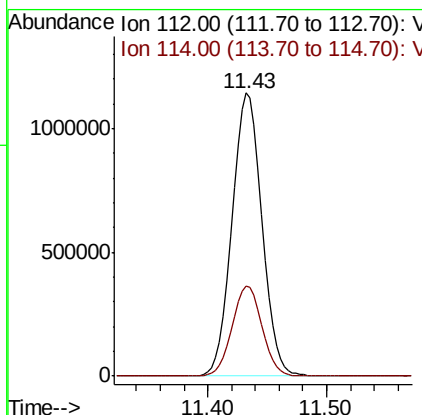
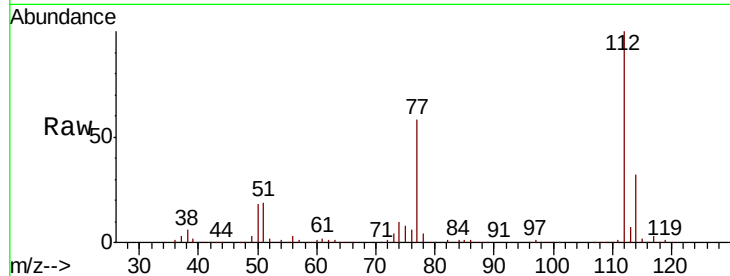




#64
Chlorobenzene
Concen: 119.875 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

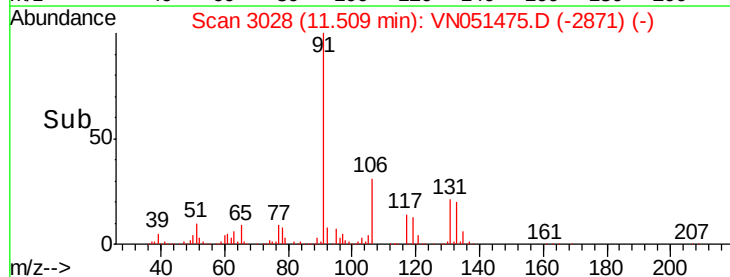
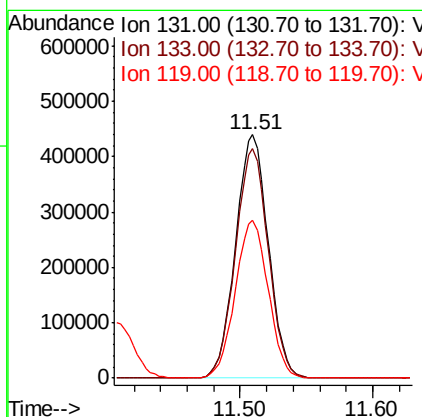
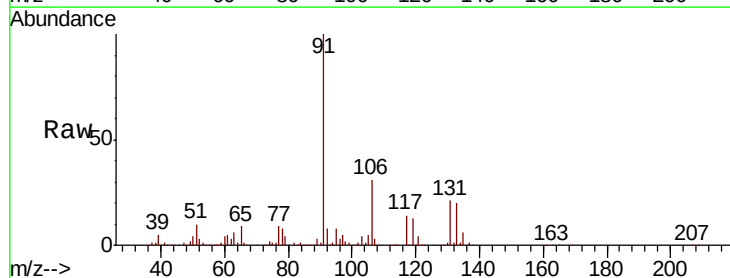
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

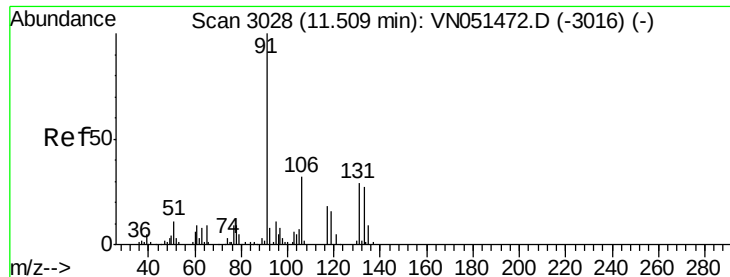
Tot Ion:112 Resp: 1992641
Ion Ratio Lower Upper
112 100
114 31.9 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 117.257 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion:131 Resp: 753586
Ion Ratio Lower Upper
131 100
133 94.8 0.0 190.4
119 65.3 0.0 128.0





#66

Ethyl Benzene

Concen: 125.298 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

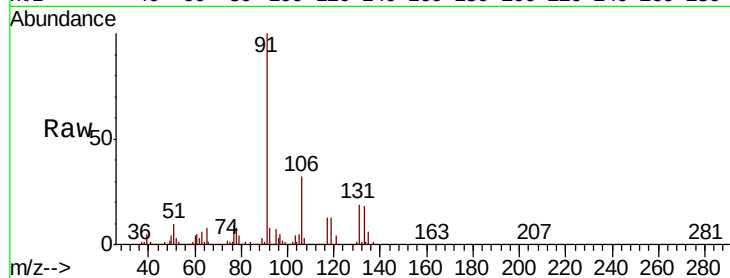
VSTDIC100

Tot Ion: 91 Resp: 3504593

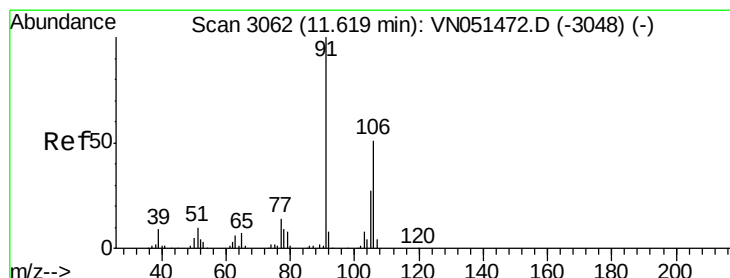
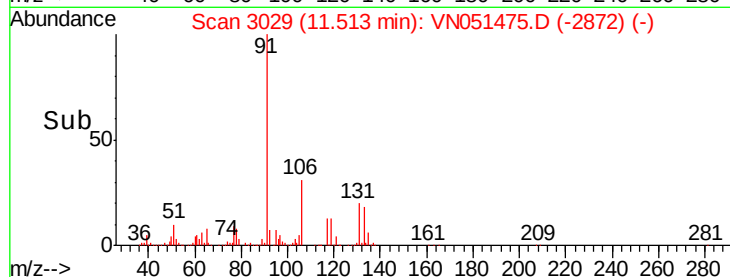
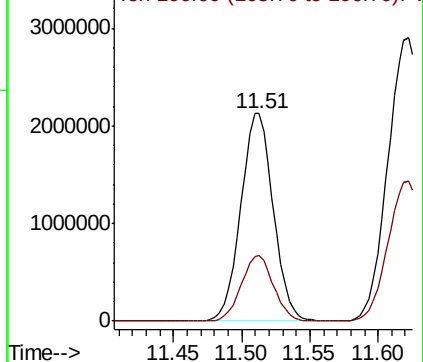
Ion Ratio Lower Upper

91 100

106 31.7 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN051475.D (-2872) (-)



#67

m/p-Xylenes

Concen: 253.226 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051475.D

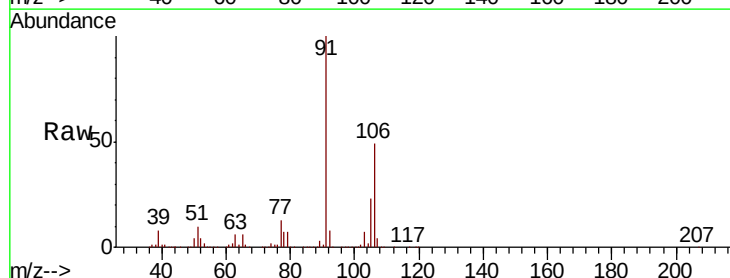
Acq: 25 Sep 2018 10:24

Tgt Ion:106 Resp: 2726675

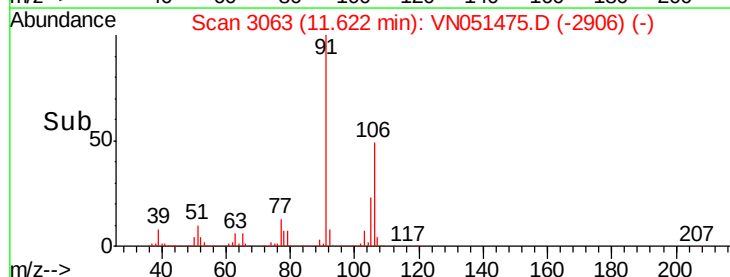
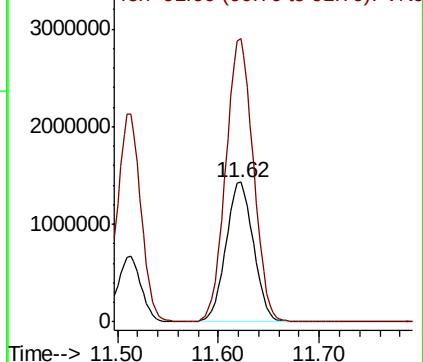
Ion Ratio Lower Upper

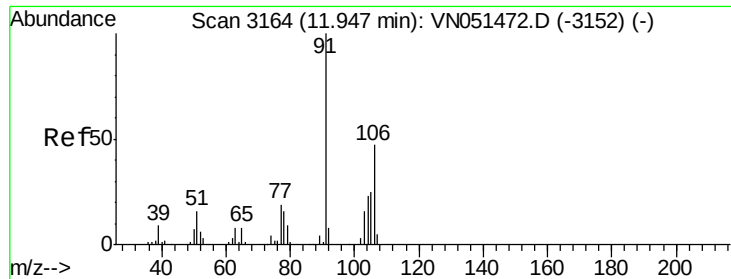
106 100

91 202.7 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): VN051475.D (-2906) (-)

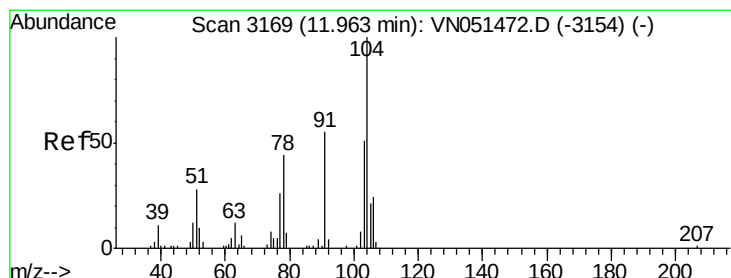
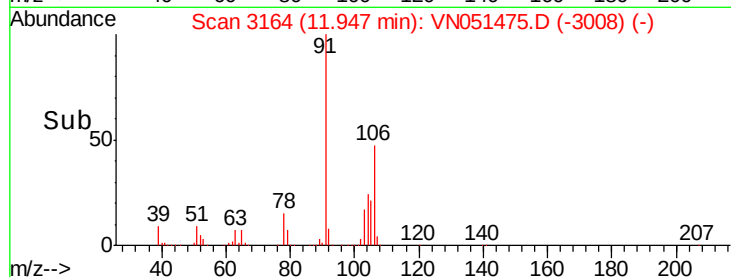
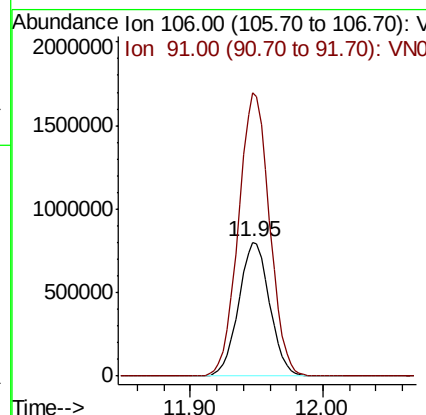
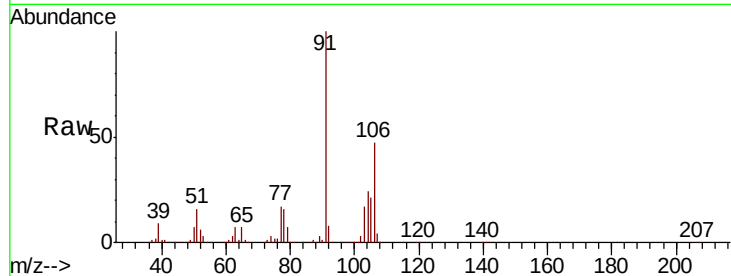




#68
o-Xylene
Concen: 126.657 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

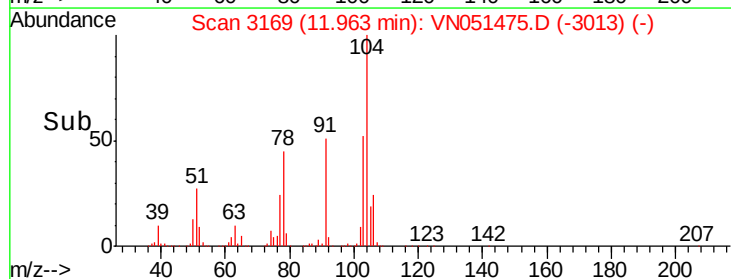
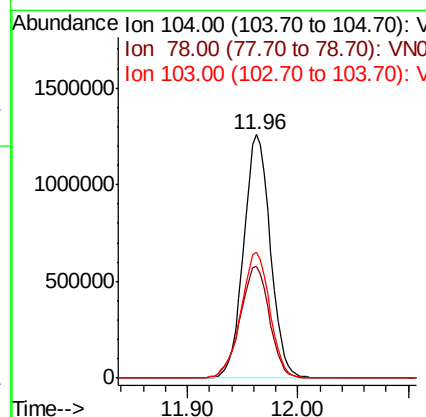
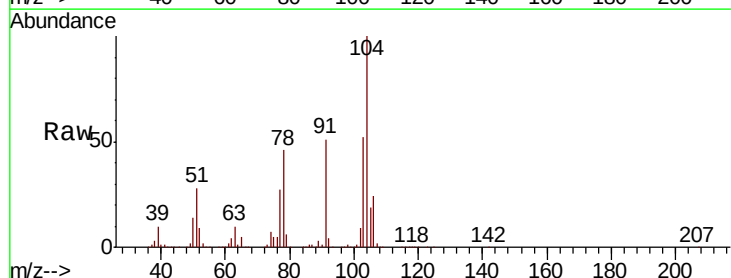
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

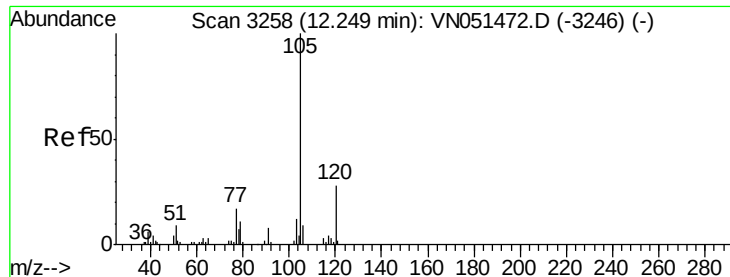
Tot Ion:106 Resp: 1298939
Ion Ratio Lower Upper
106 100
91 212.0 111.1 333.3



#69
Styrene
Concen: 129.991 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion:104 Resp: 2105877
Ion Ratio Lower Upper
104 100
78 50.3 40.6 60.8
103 56.0 44.0 66.0





#70

Isopropylbenzene

Concen: 126.807 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

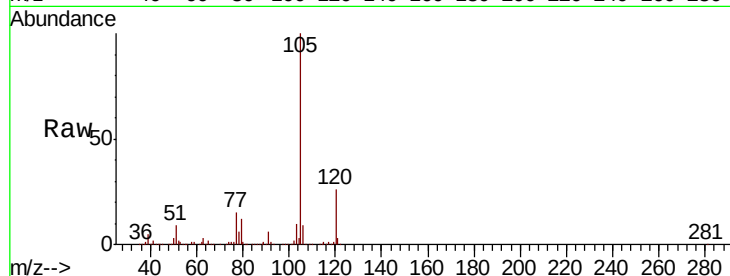
VSTDIC100

Tot Ion:105 Resp: 3480417

Ion Ratio Lower Upper

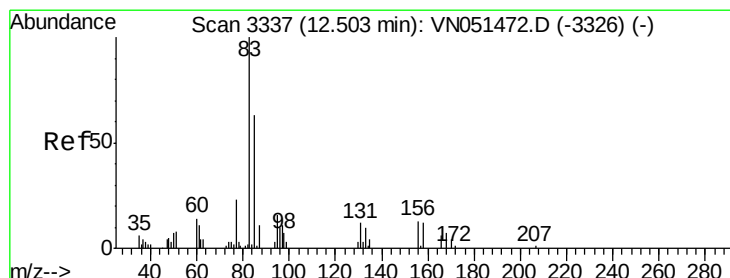
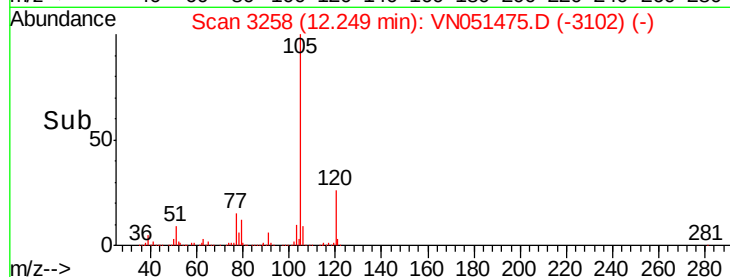
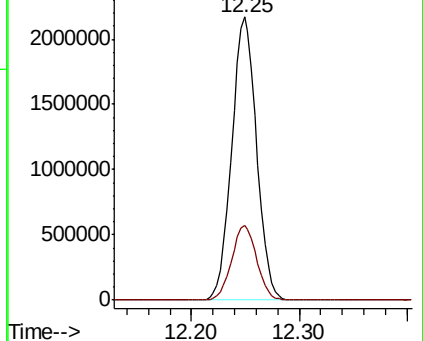
105 100

120 26.6 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 120.731 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

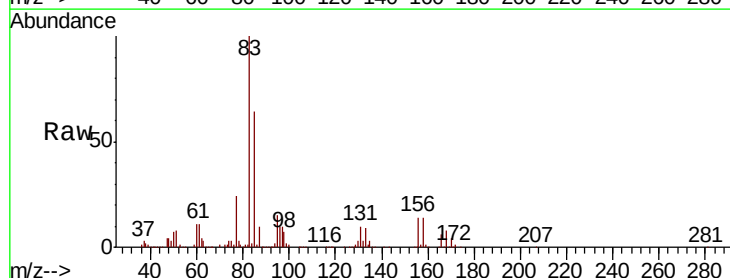
Tgt Ion: 83 Resp: 780025

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

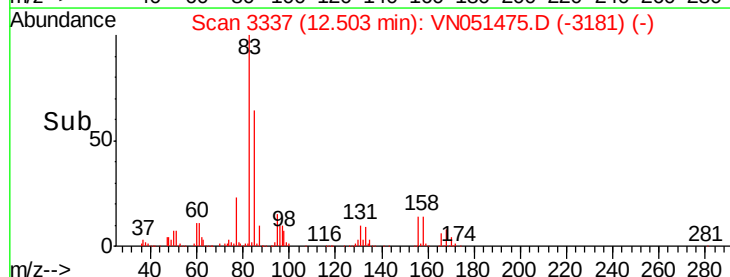
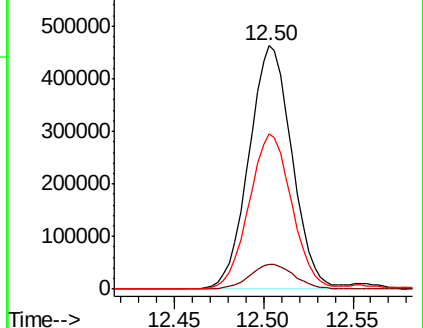
85 63.6 30.6 91.8

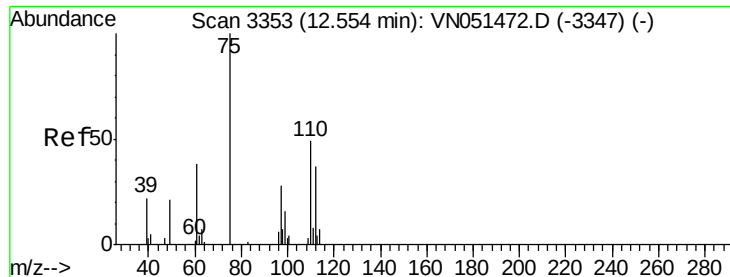


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VNO





#72

1,2,3-Trichloropropane

Concen: 195.381 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampled :

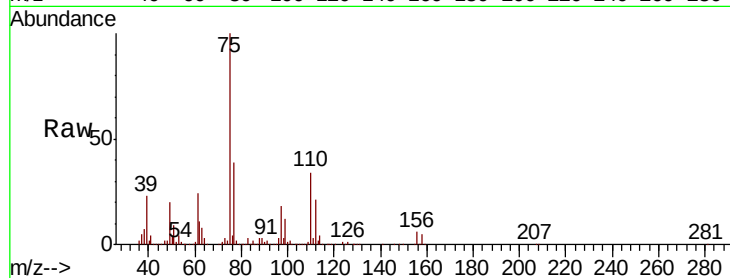
VSTDIC100

Tot Ion: 75 Resp: 995457

Ion Ratio Lower Upper

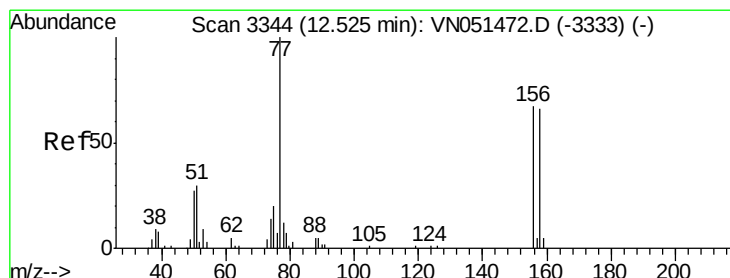
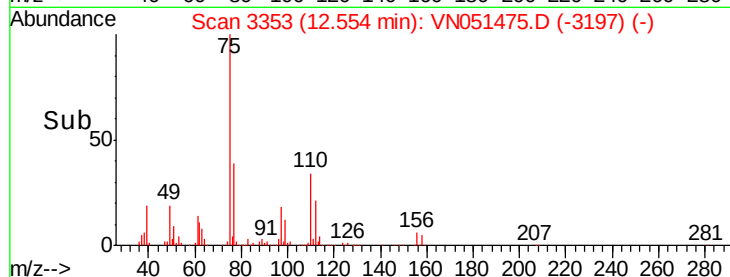
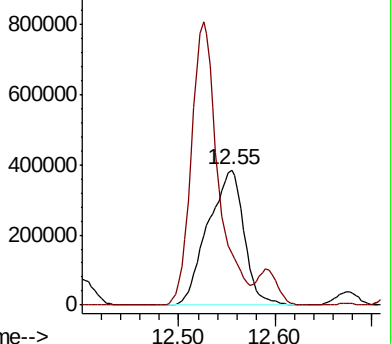
75 100

77 156.4 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#73

Bromobenzene

Concen: 124.219 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

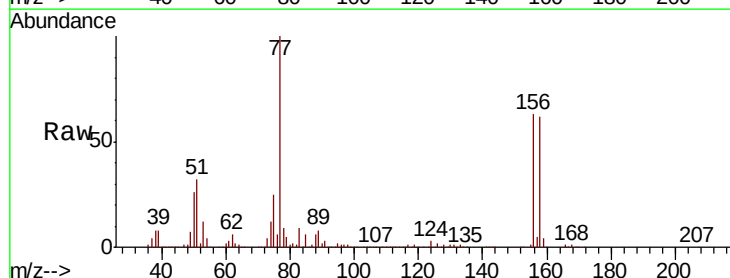
Tgt Ion: 156 Resp: 859235

Ion Ratio Lower Upper

156 100

77 181.2 0.0 377.4

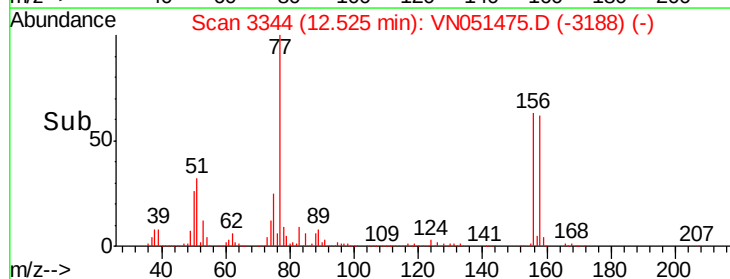
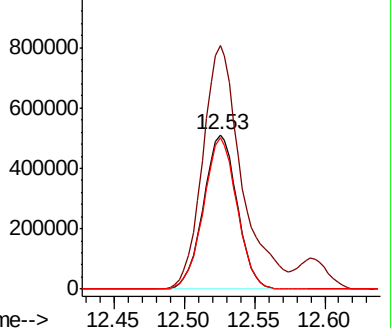
158 96.9 0.0 203.0

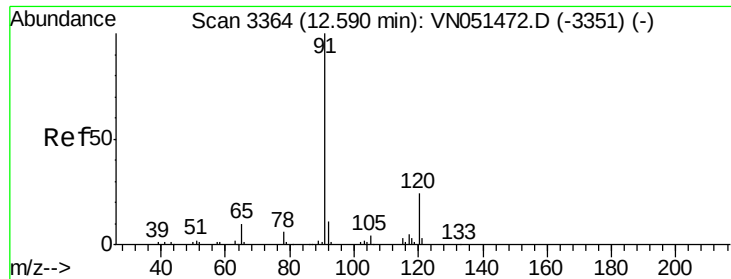


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 127.435 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

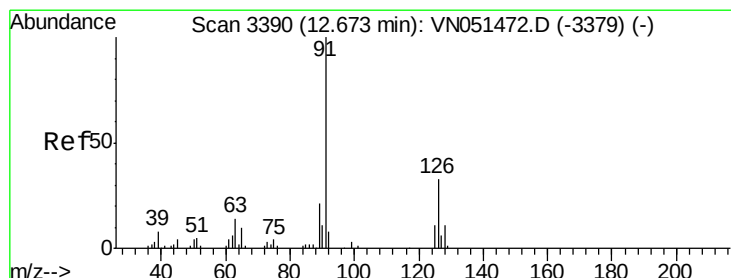
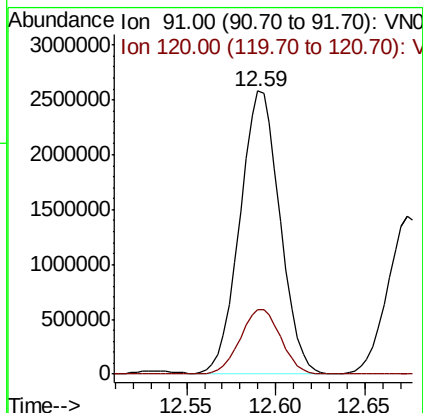
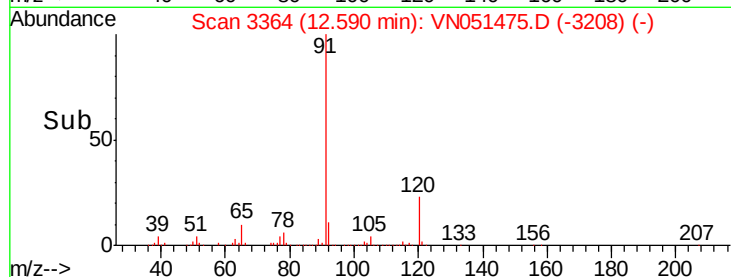
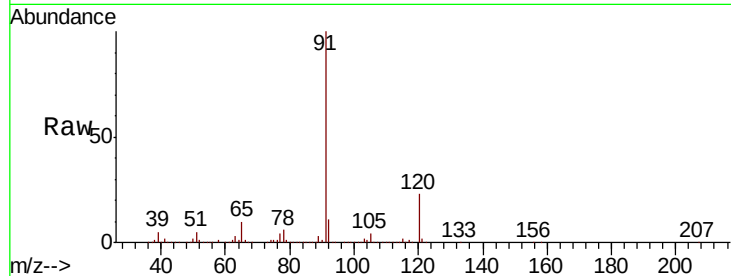
VSTDIC100

Tot Ion: 91 Resp: 4066264

Ion Ratio Lower Upper

91 100

120 23.2 0.0 45.0



#75

2-Chlorotoluene

Concen: 124.769 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051475.D

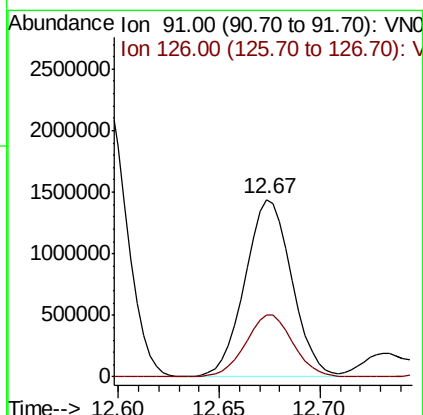
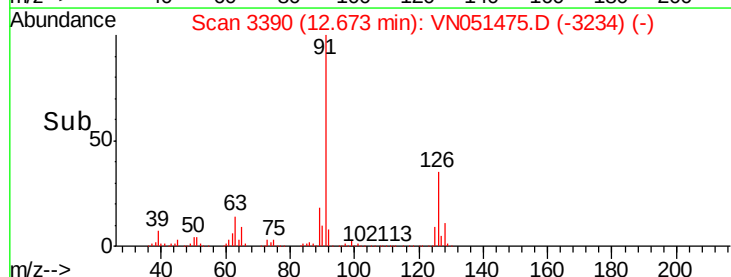
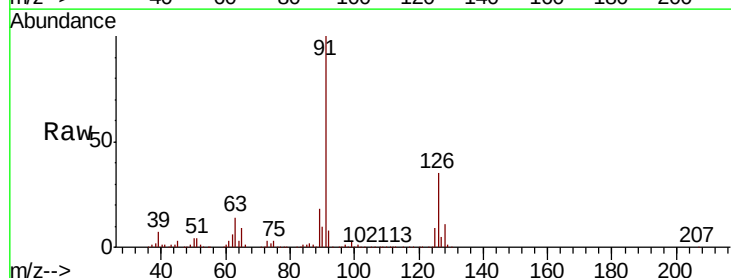
Acq: 25 Sep 2018 10:24

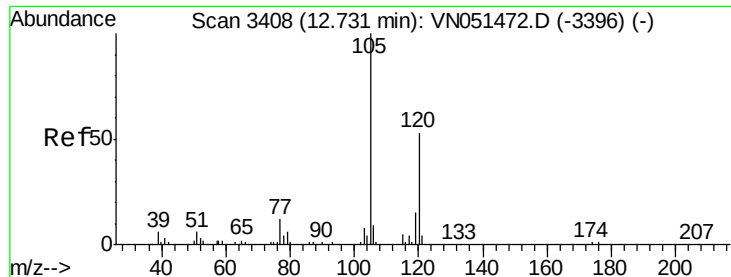
Tgt Ion: 91 Resp: 2349471

Ion Ratio Lower Upper

91 100

126 35.2 0.0 67.6





#76

1,3,5-Trimethylbenzene

Concen: 128.927 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

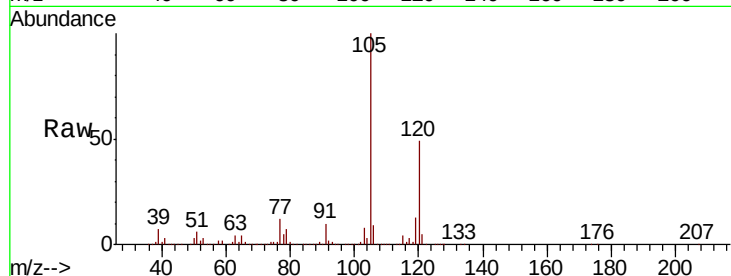
VSTDIC100

Tot Ion:105 Resp: 2919847

Ion Ratio Lower Upper

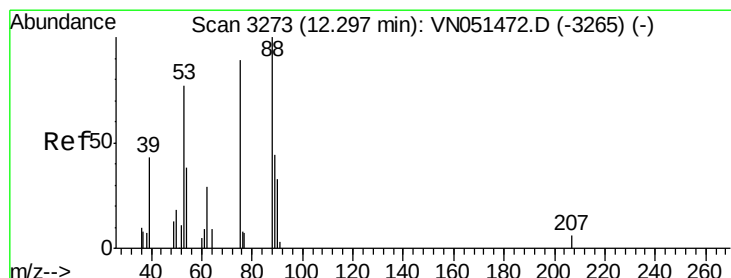
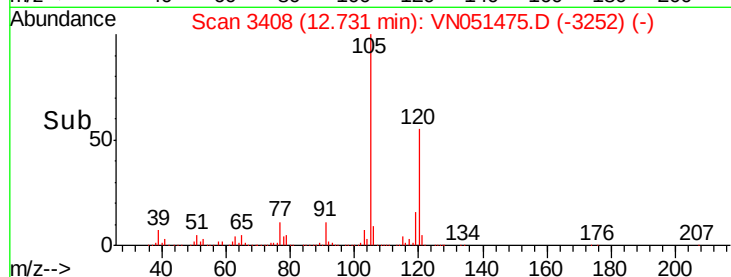
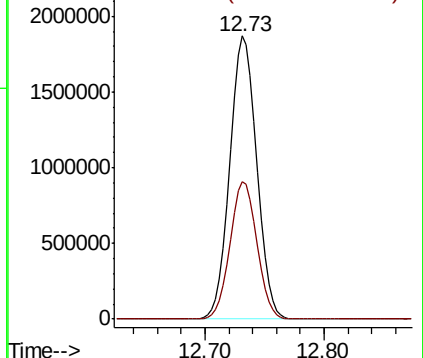
105 100

120 48.6 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 136.432 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

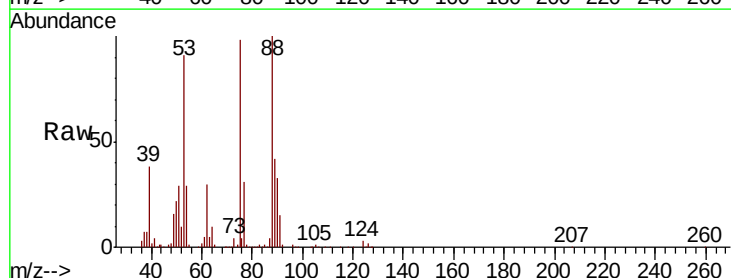
Tgt Ion: 75 Resp: 239720

Ion Ratio Lower Upper

75 100

53 92.6 46.3 138.9

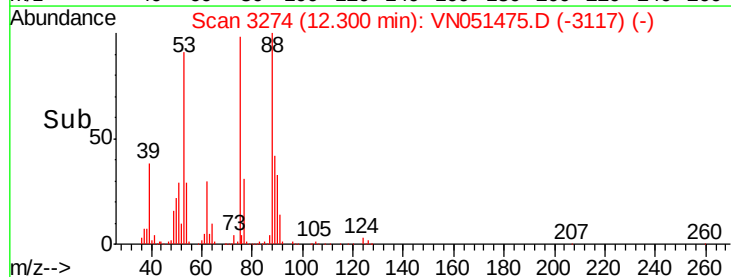
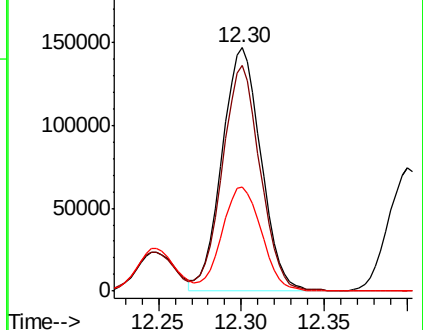
89 42.9 24.6 73.8

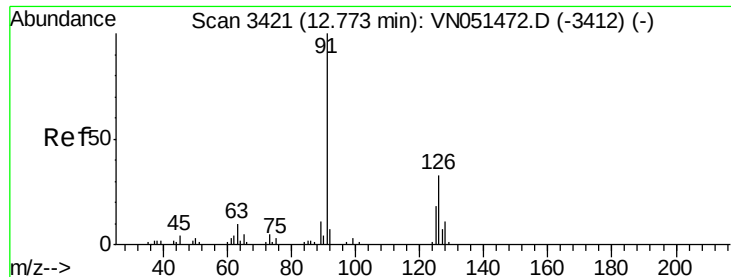


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 127.609 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

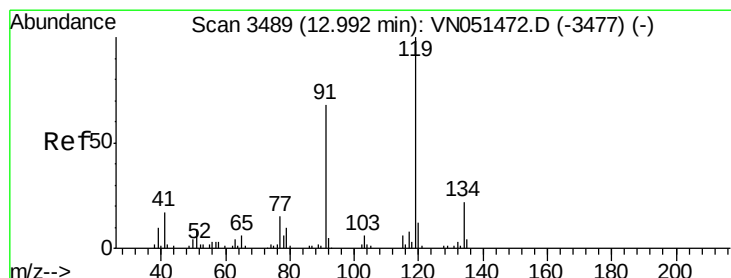
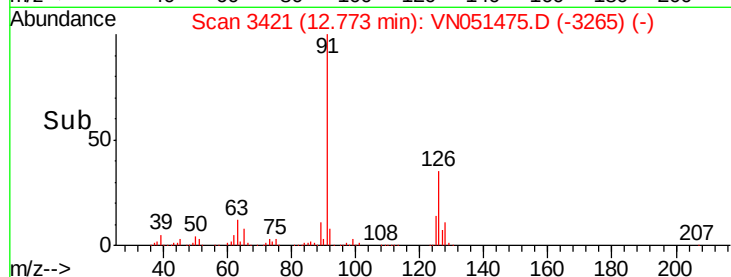
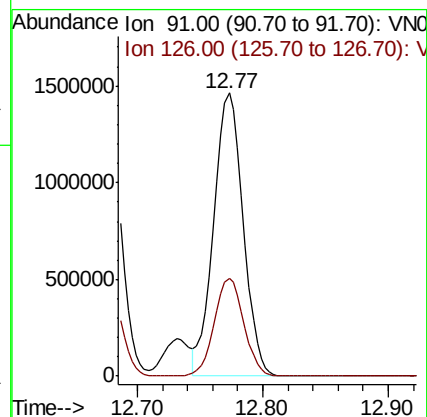
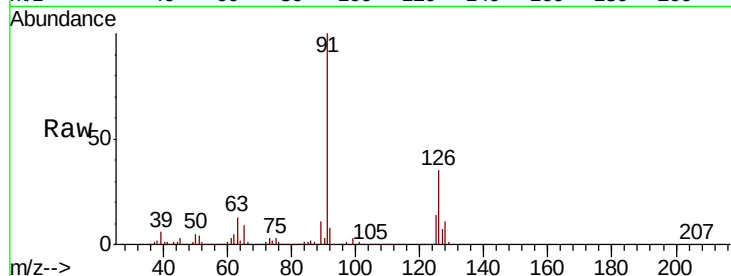
VSTDIC100

Tot Ion: 91 Resp: 2383332

Ion Ratio Lower Upper

91 100

126 34.5 0.0 65.2



#79

tert-butylbenzene

Concen: 126.884 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

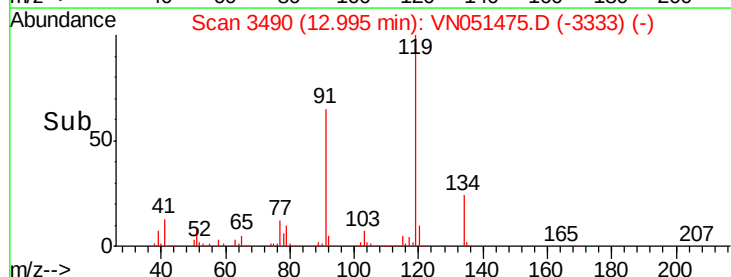
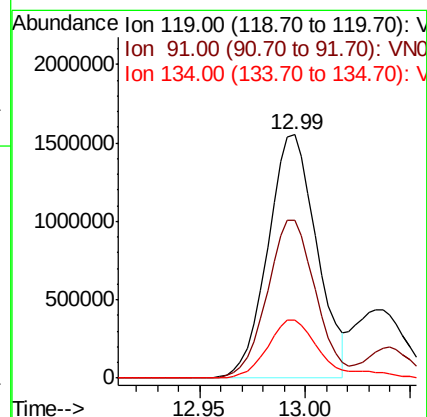
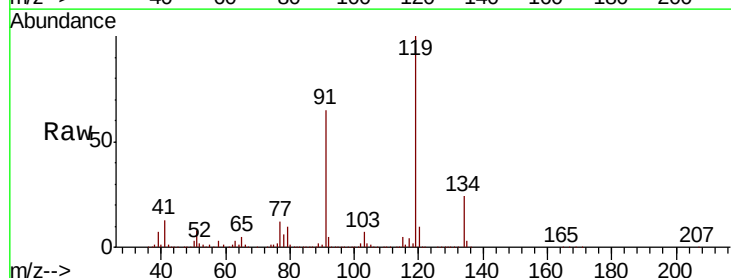
Tgt Ion: 119 Resp: 2501918

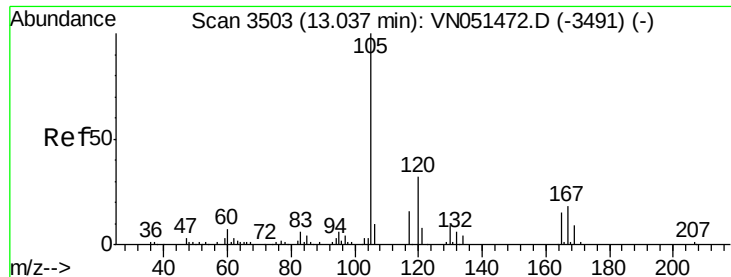
Ion Ratio Lower Upper

119 100

91 63.9 0.0 131.6

134 24.0 0.0 46.2

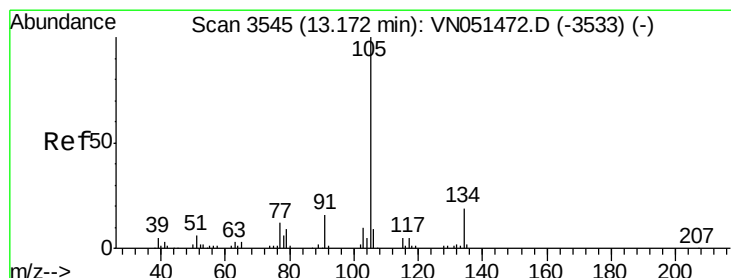
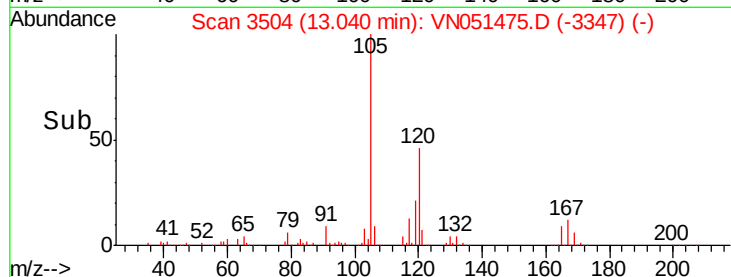
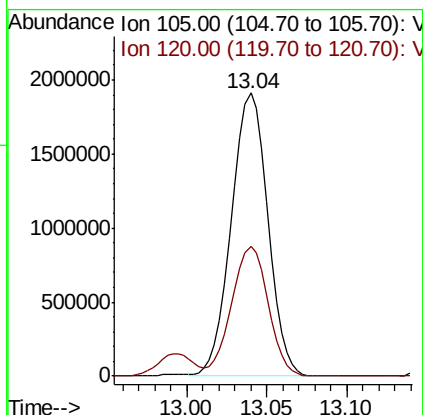
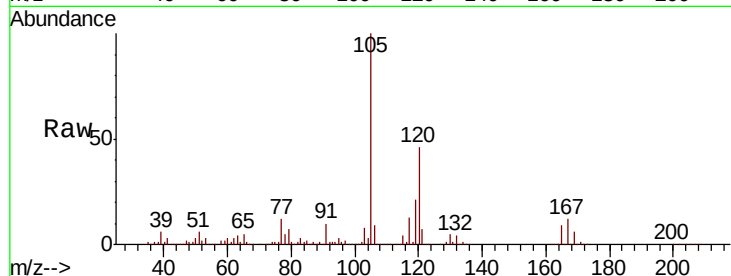




#80
 1,2,4-Trimethylbenzene
 Concen: 130.393 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

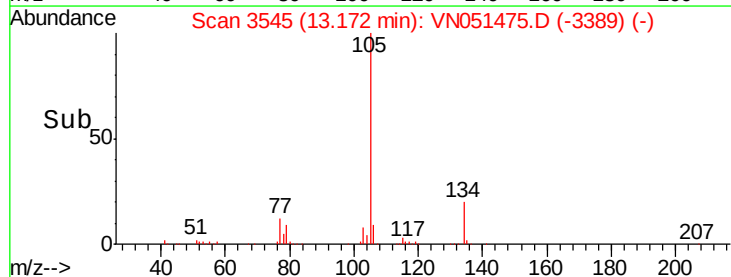
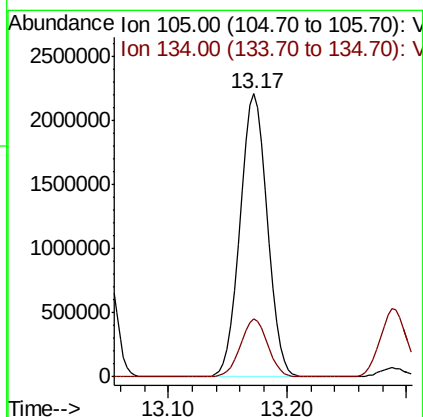
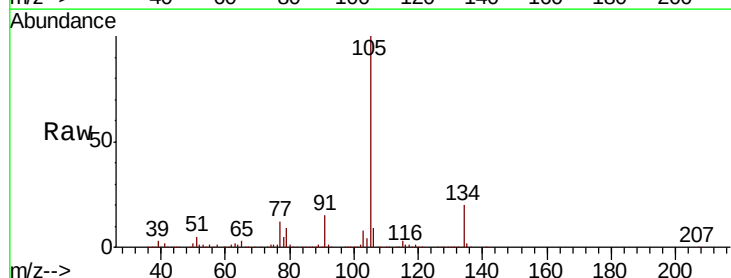
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

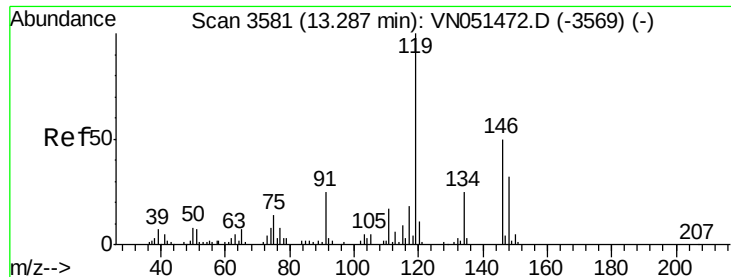
Tot Ion:105 Resp: 2968674
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 128.923 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion:105 Resp: 3496985
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.4

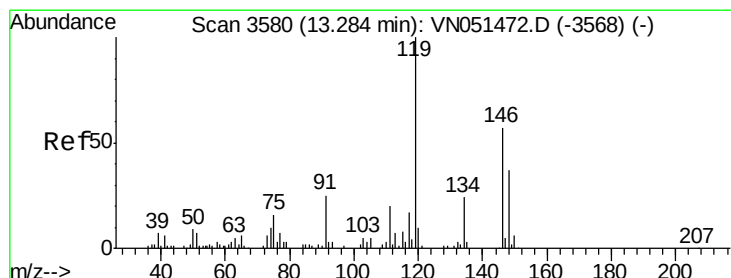
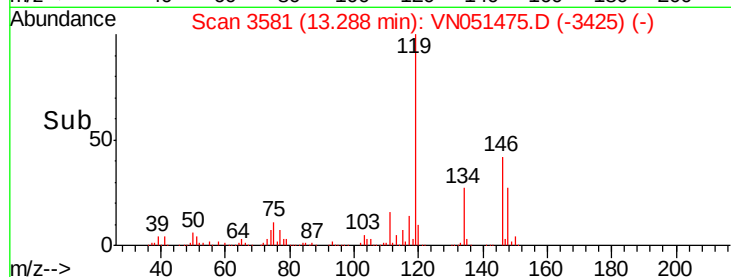
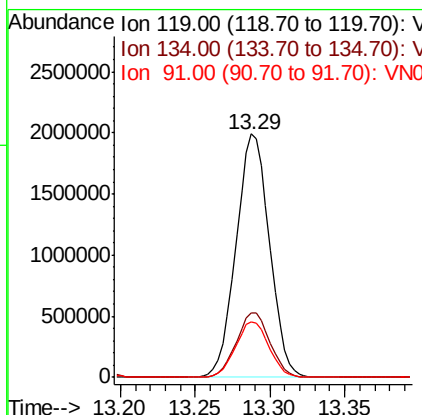
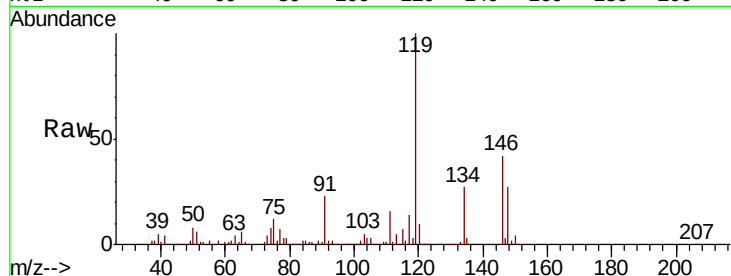




#82
 p-Isopropyltoluene
 Concen: 131.840 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

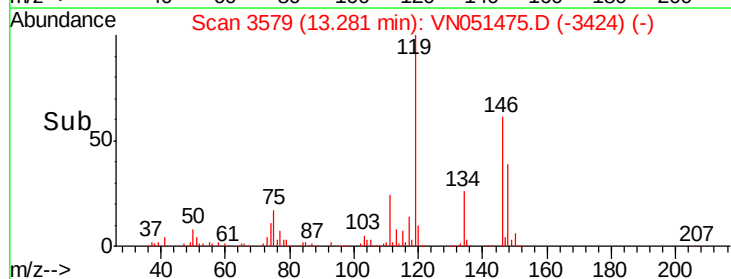
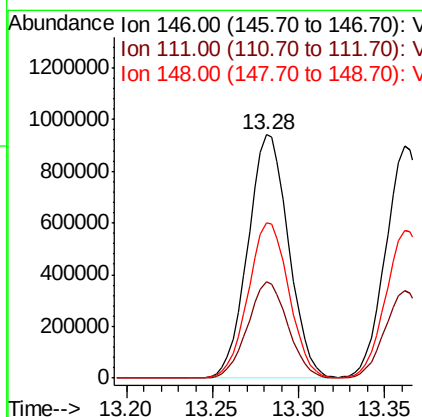
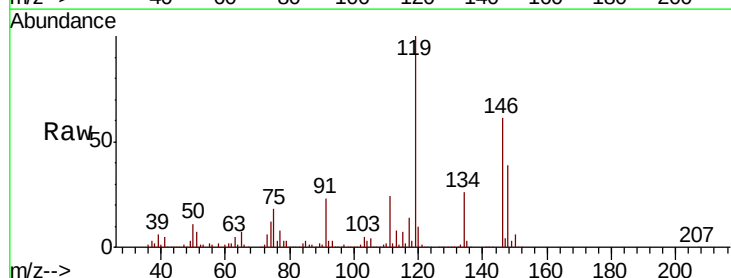
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

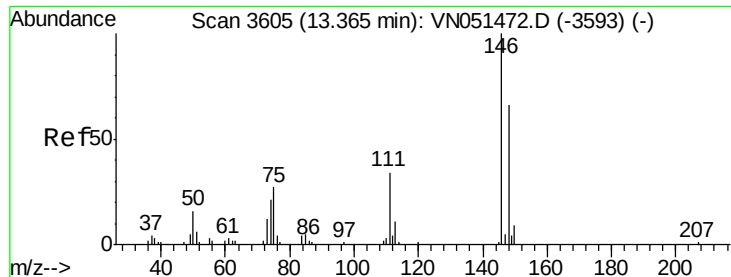
Tot Ion:119 Resp: 3087095
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 53.6
 91 22.9 0.0 52.0



#83
 1,3-Dichlorobenzene
 Concen: 126.999 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion:146 Resp: 1540837
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.1 54.3
 148 64.1 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 130.851 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

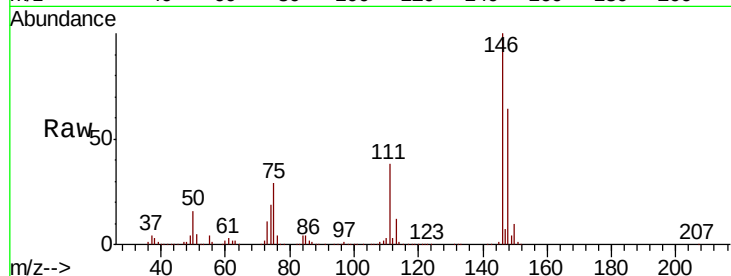
Tot Ion:146 Resp: 1491040

Ion Ratio Lower Upper

146 100

111 37.5 17.4 52.2

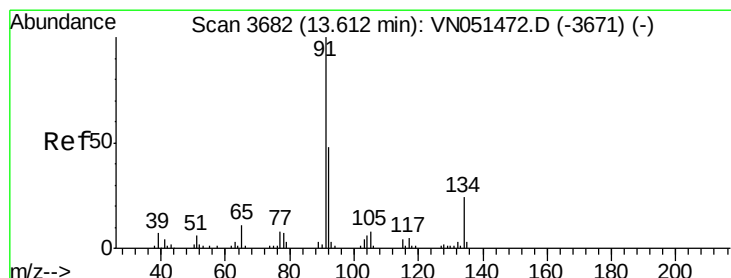
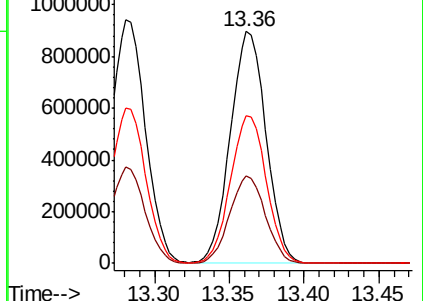
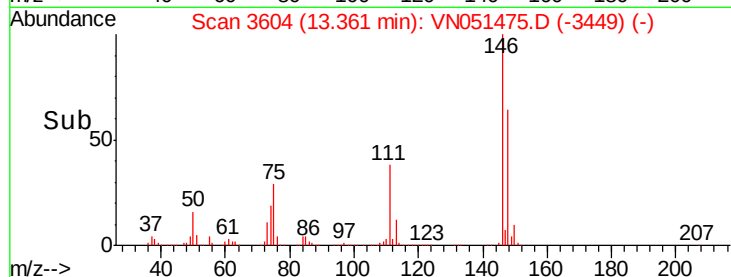
148 64.2 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 138.628 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

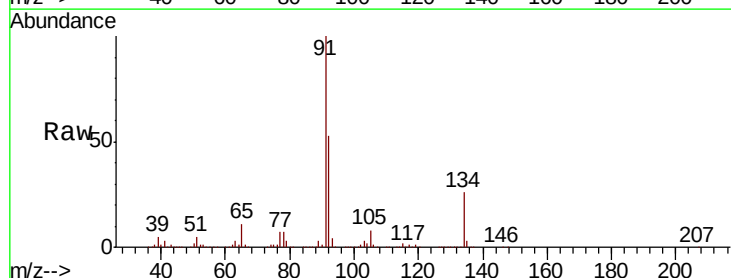
Tgt Ion: 91 Resp: 2665146

Ion Ratio Lower Upper

91 100

92 52.1 0.0 97.4

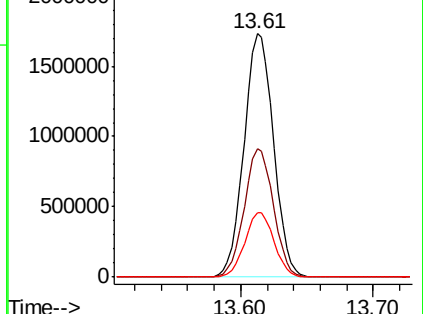
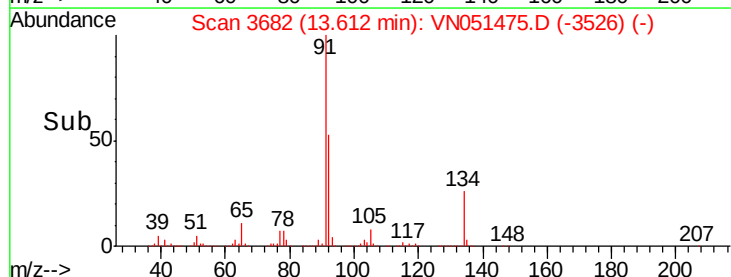
134 26.3 0.0 49.6

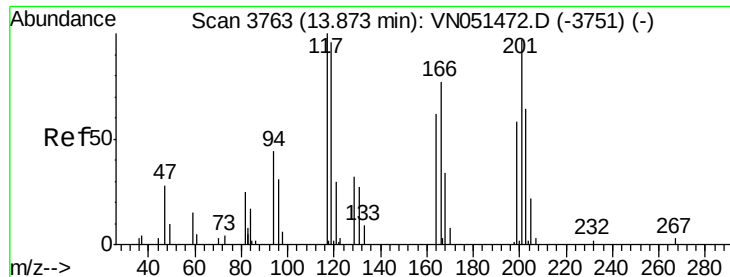


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 120.045 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

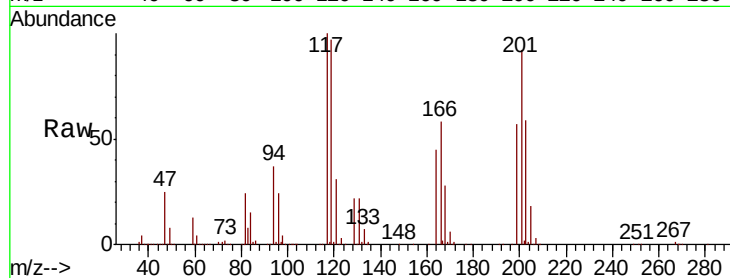
VSTDIC100

Tot Ion:117 Resp: 563261

Ion Ratio Lower Upper

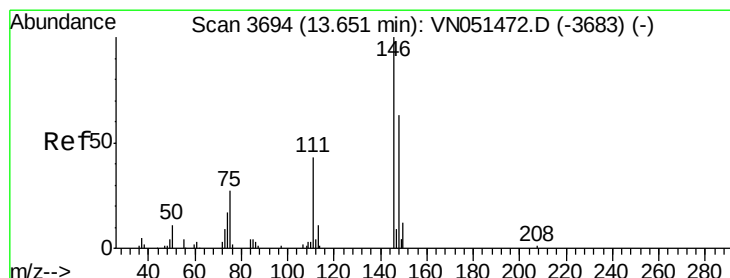
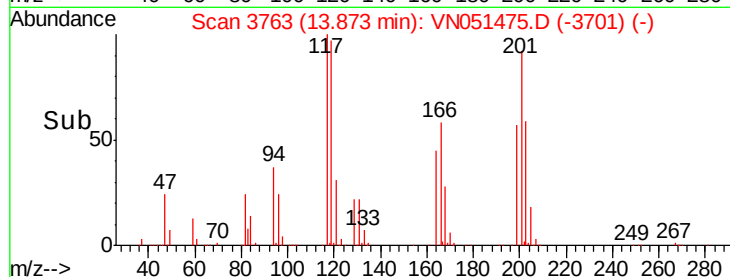
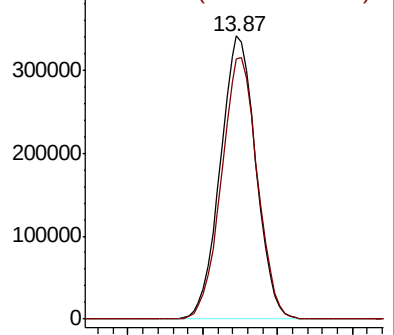
117 100

201 93.2 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 126.877 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

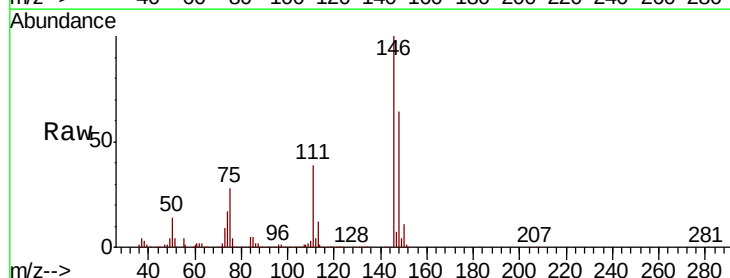
Tgt Ion:146 Resp: 1459297

Ion Ratio Lower Upper

146 100

111 40.1 20.8 62.2

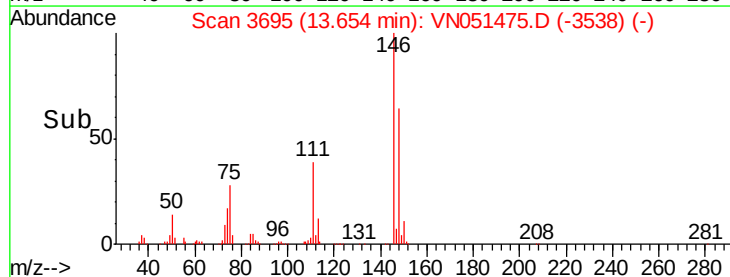
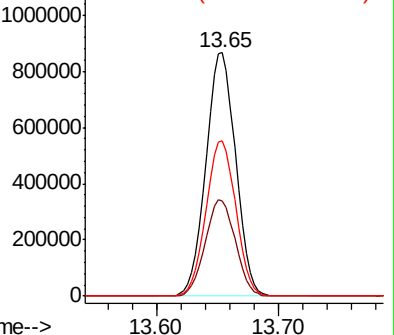
148 64.2 33.2 99.6

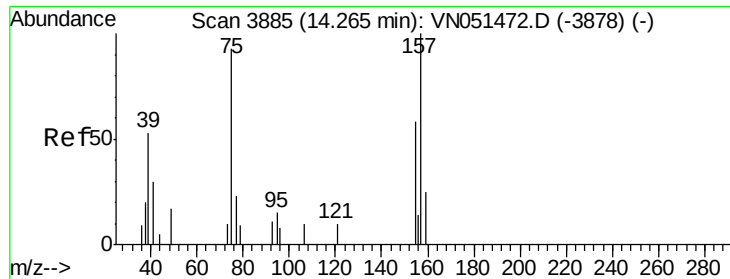


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 123.719 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

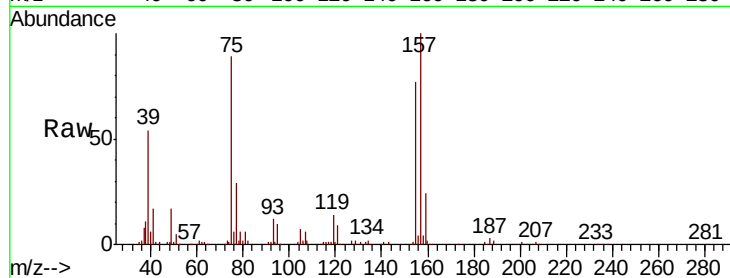
Tot Ion: 75 Resp: 117972

Ion Ratio Lower Upper

75 100

155 89.5 57.0 85.6#

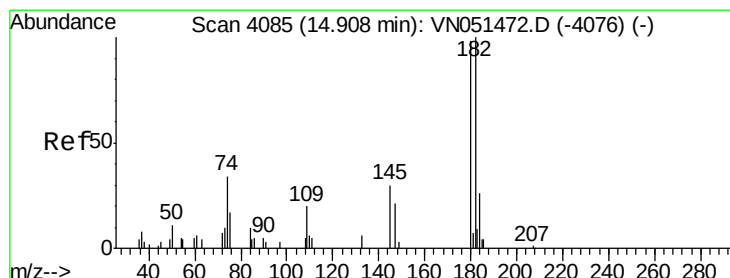
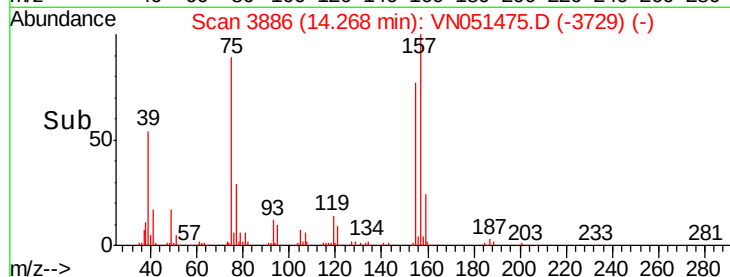
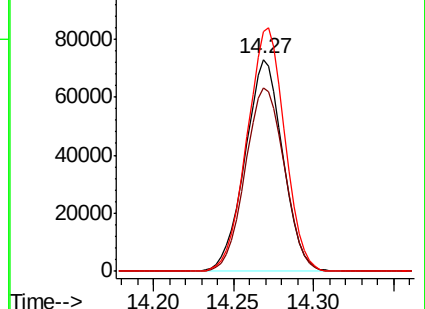
157 114.8 87.4 131.0



Abundance Ion 75.00 (74.70 to 75.70): VN051475.D (-3878) (-)

Ion 155.00 (154.70 to 155.70): VN051475.D (-3878) (-)

Ion 157.00 (156.70 to 157.70): VN051475.D (-3878) (-)



#89

1,2,4-Trichlorobenzene

Concen: 147.266 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

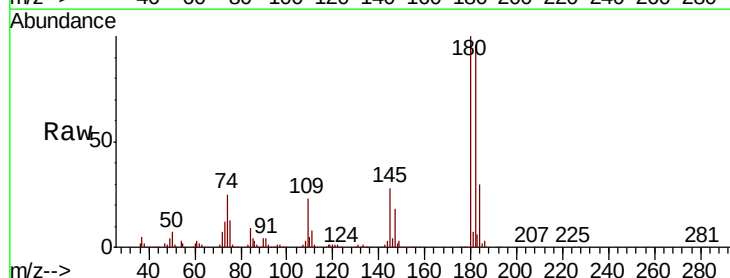
Tgt Ion:180 Resp: 843687

Ion Ratio Lower Upper

180 100

182 96.4 77.7 116.5

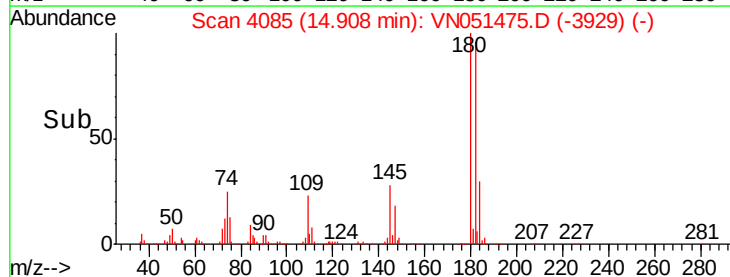
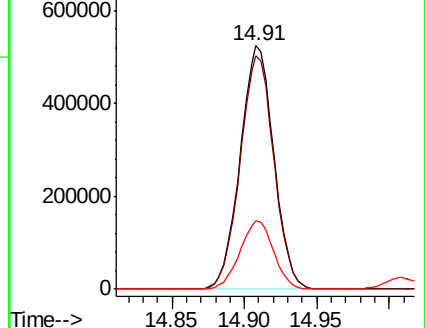
145 28.2 23.4 35.2

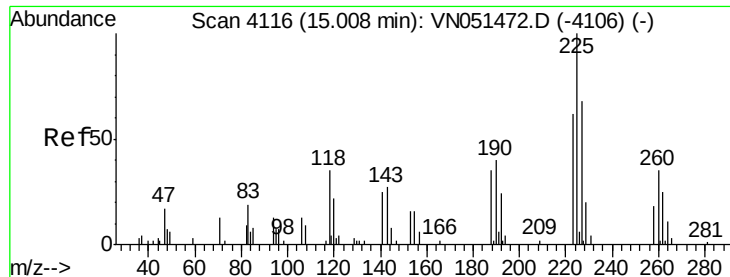


Abundance Ion 180.00 (179.70 to 180.70): VN051475.D (-3929) (-)

Ion 182.00 (181.70 to 182.70): VN051475.D (-3929) (-)

Ion 145.00 (144.70 to 145.70): VN051475.D (-3929) (-)





#90

Hexachlorobutadiene

Concen: 120.827 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

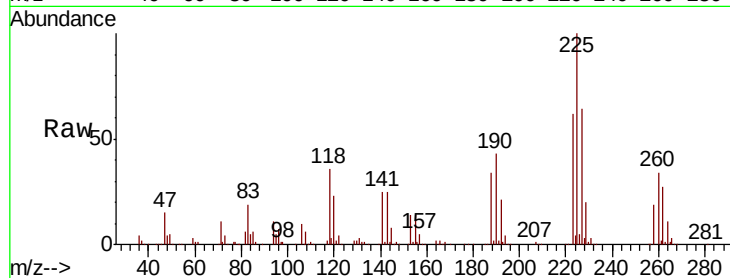
Tot Ion:225 Resp: 536485

Ion Ratio Lower Upper

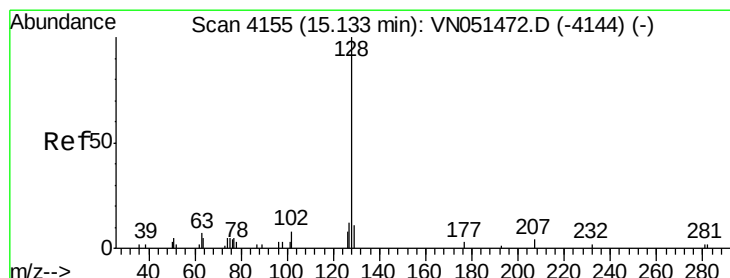
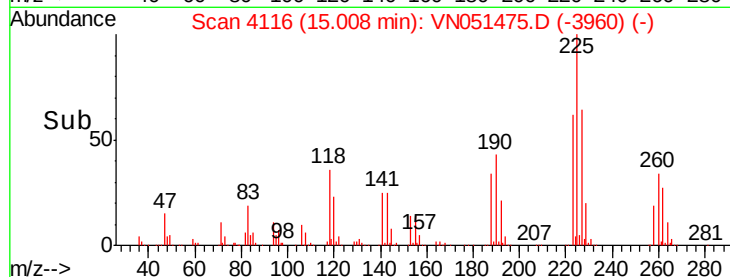
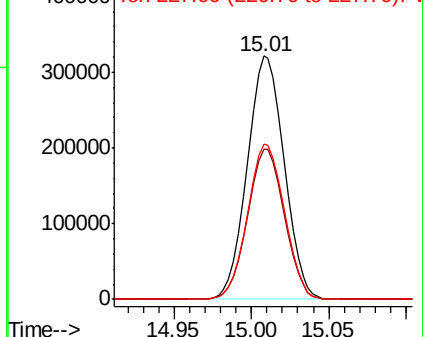
225 100

223 61.6 0.0 117.0

227 63.7 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 151.945 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

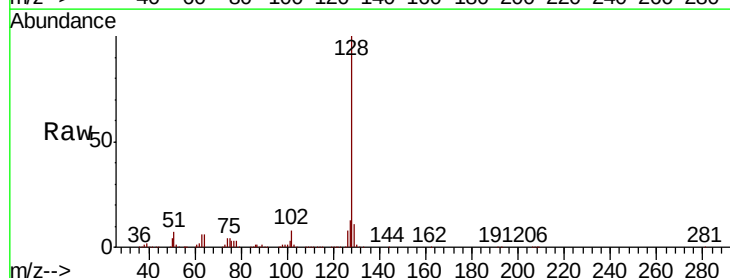
Tgt Ion:128 Resp: 1642561

Ion Ratio Lower Upper

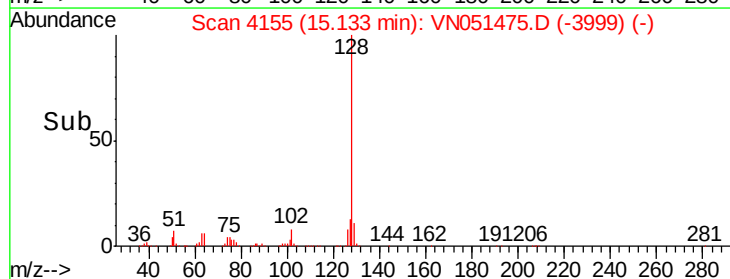
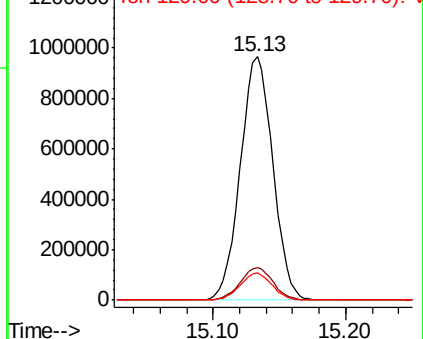
128 100

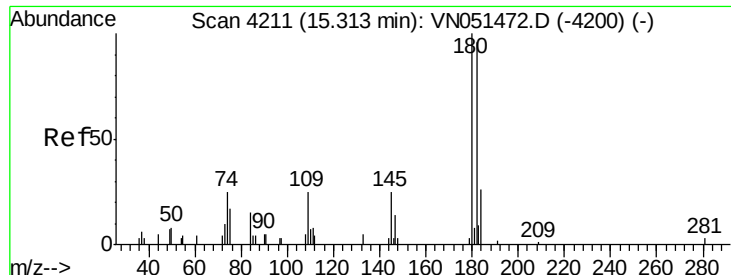
127 13.5 10.1 15.1

129 11.0 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 140.069 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	198.0
145	29.6	0.0	36.8

