

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057578.D
 Acq On : 30 Aug 2019 9:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Aug 30 23:17:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	92260	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	560263	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	554297	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	225032	26.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	87.40%
60) 4-Bromofluorobenzene	12.40	95	266833	29.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.63%
63) Toluene-d8	10.08	98	751974	27.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	250169	51.403	ug/l 98
3) Chloromethane	2.06	50	219785	32.951	ug/l 100
4) Vinyl Chloride	2.18	62	346629	39.900	ug/l 99
5) Bromomethane	2.55	94	316546	52.390	ug/l 100
6) Chloroethane	2.70	64	234135	39.565	ug/l 97
7) Trichlorofluoromethane	3.01	101	770222	51.702	ug/l 98
8) Diethyl Ether	3.40	74	242372	43.805	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	459992	53.777	ug/l 97
10) 1,1-Dichloroethene	3.72	96	420455	51.643	ug/l 98
11) Methyl Iodide	3.93	142	748592	83.446	ug/l 99
12) Methyl Acetate	4.31	43	201359	27.313	ug/l 98
13) Acrolein	3.59	56	140725	152.210	ug/l 100
14) Acrylonitrile	4.97	53	436498	168.091	ug/l # 89
15) Acetone	3.81	58	229843	187.417	ug/l 97
16) Carbon Disulfide	4.03	76	434546	33.082	ug/l 96
17) Allyl chloride	4.30	41	300723	30.291	ug/l 96
18) Methylene Chloride	4.53	84	239360	42.303	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	232844	43.225	ug/l 97
20) Diisopropyl ether	5.94	45	719731	33.557	ug/l 98
21) 1,1-Dichloroethane	5.83	63	453619	39.688	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	309988	47.044	ug/l 99
23) tert-Butyl Alcohol	4.79	59	72147	76.023	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	758832	42.597	ug/l 96
25) Chloroform	7.36	83	544975	46.453	ug/l 99
26) Cyclohexane	7.64	56	383215	37.834	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	373996	40.541	ug/l 100
30) 2-Butanone	6.83	43	600766	143.494	ug/l # 98
31) 2,2-Dichloropropane	6.81	77	445415	42.165	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	498604	46.129	ug/l 99
33) Carbon Tetrachloride	7.76	117	427730	47.549	ug/l 99
34) Benzene	8.03	78	1146591	42.225	ug/l # 93
35) Methacrylonitrile	7.16	41	132867	31.881	ug/l 95
36) 1,2-Dichloroethane	8.11	62	422652	39.784	ug/l 99
37) Trichloroethene	8.83	130	321234	49.807	ug/l 94
38) Methylcyclohexane	9.07	83	469857	44.579	ug/l 99
39) 1,2-Dichloropropane	9.11	63	279050	37.074	ug/l 97
40) Dibromomethane	9.20	93	212861	44.398	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057578.D
 Acq On : 30 Aug 2019 9:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Aug 30 23:17:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	441273	43.574	ug/l	98
42) Vinyl Acetate	5.88	43	2904784	153.743	ug/l	100
43) Ethyl Acetate	6.92	43	236018	28.839	ug/l	96
44) Isopropyl Acetate	8.16	43	471662	30.051	ug/l	97
45) 1,4-Dioxane	9.20	88	78728	792.814	ug/l #	93
46) Methyl methacrylate	9.19	41	217213	29.052	ug/l	92
47) n-amyl Acetate	12.07	43	407846	31.885	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	460559	43.574	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	479895	41.485	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	317004	50.185	ug/l	98
51) Ethyl methacrylate	10.43	69	424963	41.918	ug/l	89
52) 1,3-Dichloropropane	10.70	76	495444	43.975	ug/l	98
53) Dibromochloromethane	10.90	129	365497	53.898	ug/l	100
54) 1,2-Dibromoethane	11.00	107	336270	51.645	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	471024	185.275	ug/l	99
56) Bromoform	12.13	173	239647	57.931	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	1368559	138.214	ug/l	97
59) 2-Hexanone	10.75	43	947123	138.067	ug/l	95
61) Tetrachloroethene	10.63	164	331266	50.995	ug/l	97
62) Toluene	10.15	91	1450131	43.897	ug/l	100
64) Chlorobenzene	11.43	112	909305	49.317	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	357206	50.990	ug/l	97
66) Ethyl Benzene	11.51	91	1657424	46.547	ug/l	98
67) m/p-Xylenes	11.62	106	1269906	101.128	ug/l	96
68) o-Xylene	11.95	106	614199	49.711	ug/l	99
69) Styrene	11.96	104	1027825	51.532	ug/l	97
70) Isopropylbenzene	12.25	105	1687558	50.519	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	406292	43.424	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	487291	57.863	ug/l	65
73) Bromobenzene	12.53	156	394327	56.892	ug/l	96
74) n-propylbenzene	12.59	91	1817636	48.369	ug/l	99
75) 2-Chlorotoluene	12.67	91	1092210	49.377	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1435675	52.353	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110755	38.239	ug/l	92
78) 4-Chlorotoluene	12.77	91	1061972	50.059	ug/l	100
79) tert-butylbenzene	12.99	119	1252368	53.136	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	1380692	53.561	ug/l	98
81) sec-Butylbenzene	13.17	105	1615783	52.280	ug/l	100
82) p-Isopropyltoluene	13.29	119	1444206	54.806	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	661602	60.899	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	632412	59.775	ug/l	98
85) n-Butylbenzene	13.62	91	1126862	50.166	ug/l	99
86) Hexachloroethane	13.88	117	250014	48.982	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	636886	59.705	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	62747	40.516	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	221363	55.536	ug/l	99
90) Hexachlorobutadiene	15.01	225	201411	65.212	ug/l	97
91) Naphthalene	15.13	128	636538	50.785	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	221003	56.159	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057578.D
Acq On : 30 Aug 2019 9:59
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Aug 30 23:17:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 30 23:13:27 2019
Response via : Initial Calibration

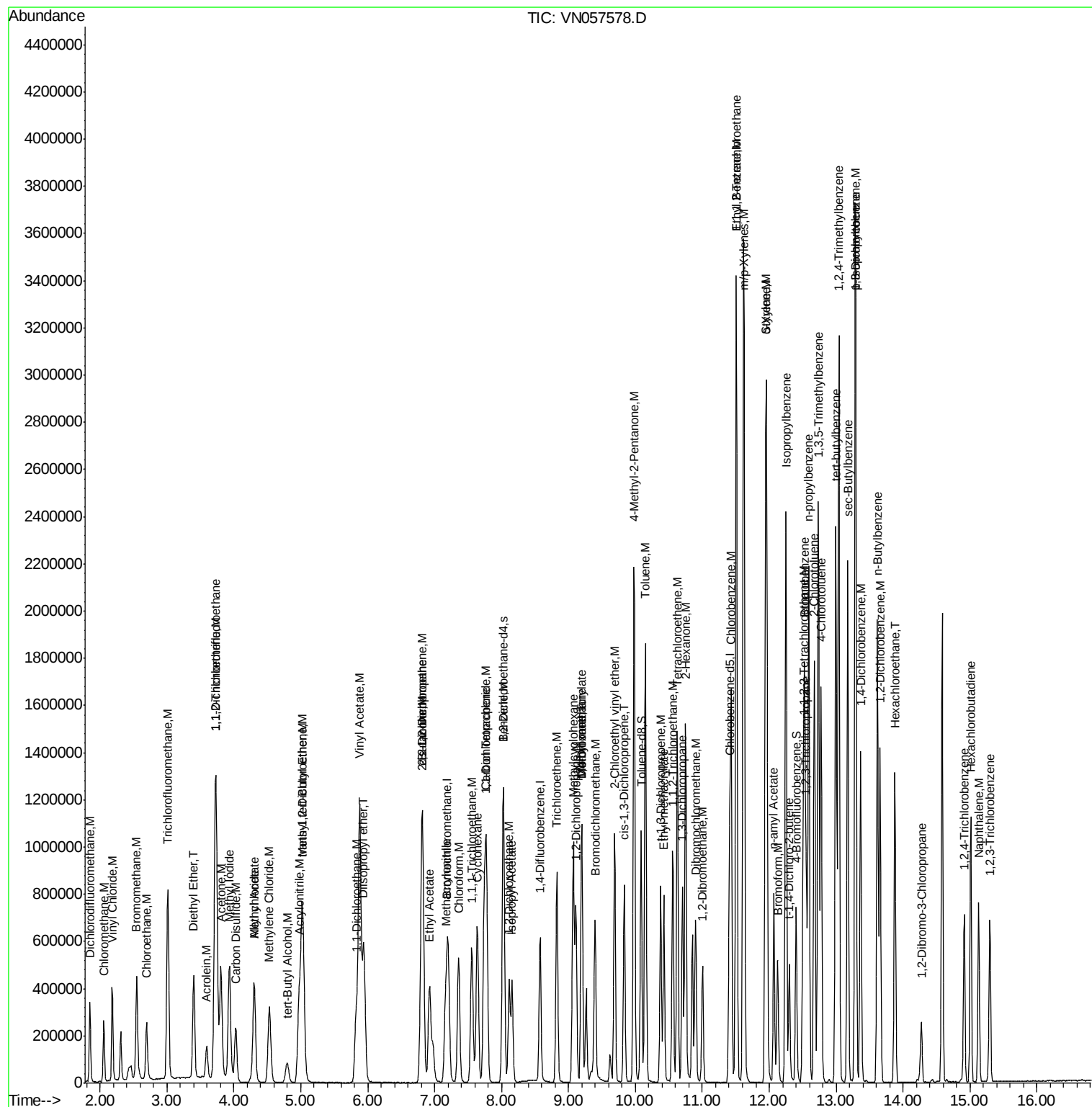
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

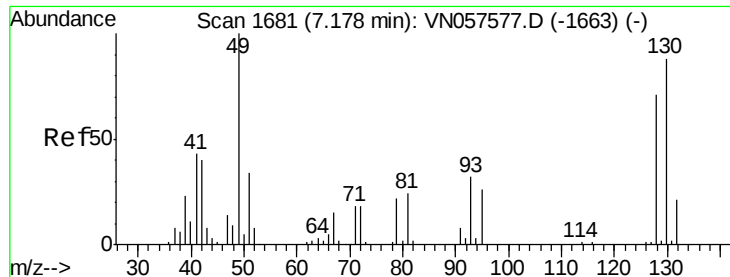
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057578.D
Acq On : 30 Aug 2019 9:59
Operator : JC/SP
Sample : VSTDIC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: Aug 30 23:17:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 30 23:13:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

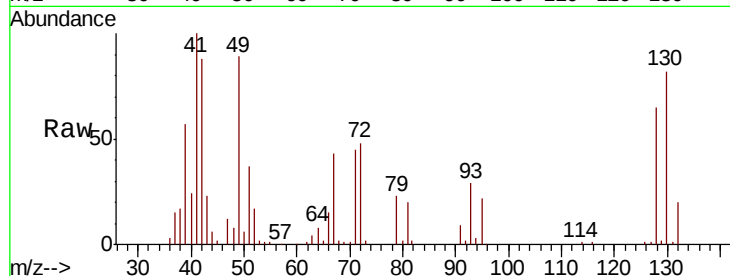
Tgt Ion:128 Resp: 92260

Ion Ratio Lower Upper

128 100

49 140.4 0.0 352.3

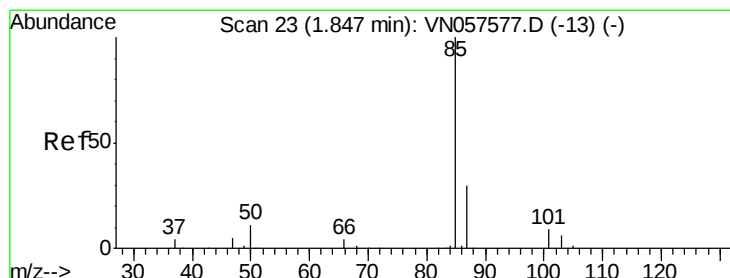
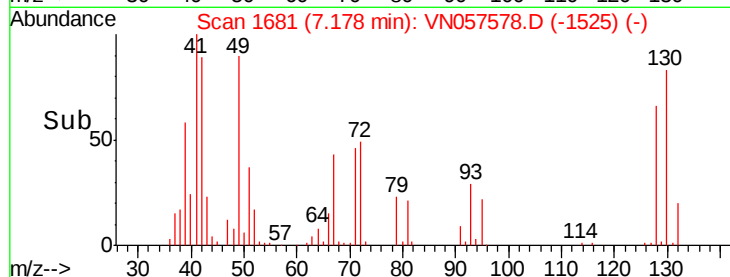
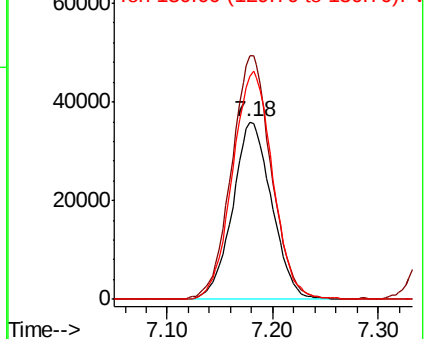
130 132.5 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 51.403 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057578.D

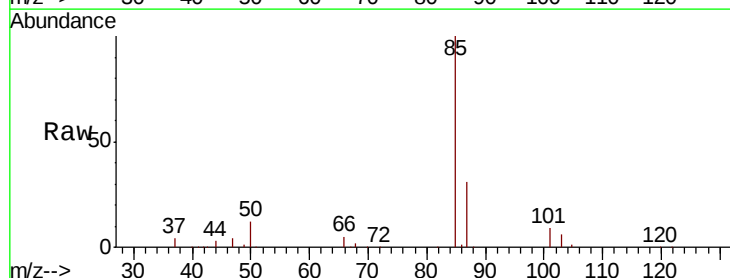
Acq: 30 Aug 2019 9:59

Tgt Ion: 85 Resp: 250169

Ion Ratio Lower Upper

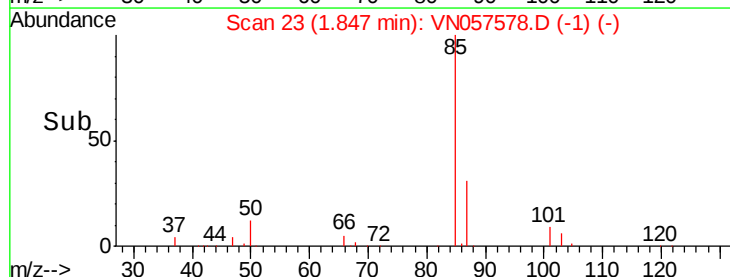
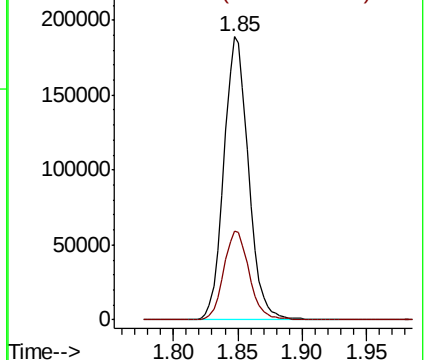
85 100

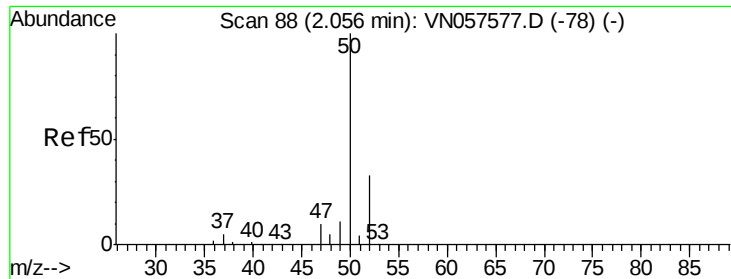
87 31.3 15.0 45.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 32.951 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

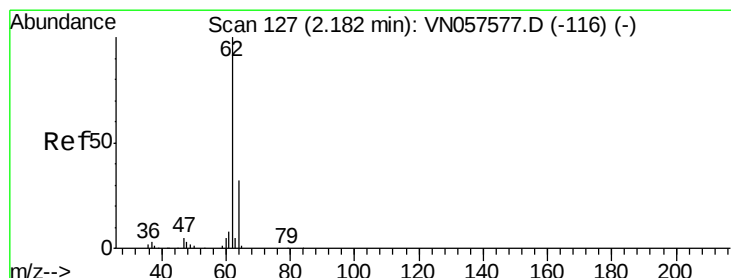
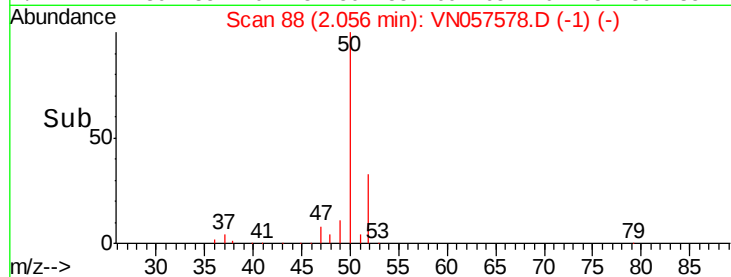
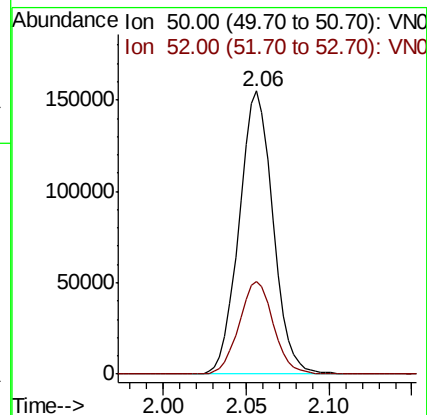
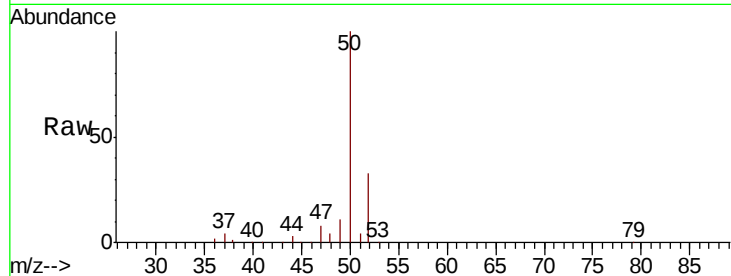
VSTDIC050

Tgt Ion: 50 Resp: 219785

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.2



#4

Vinyl Chloride

Concen: 39.900 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057578.D

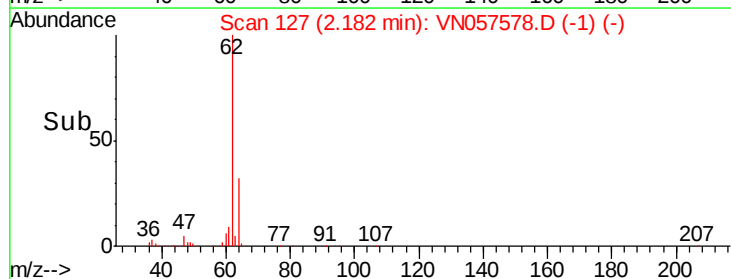
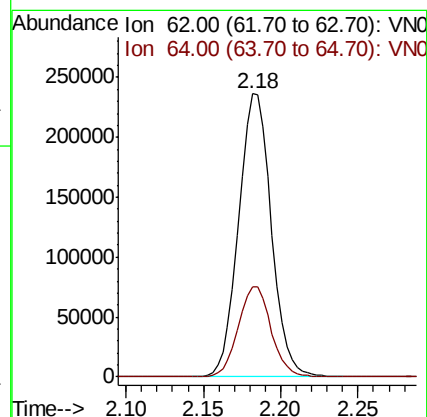
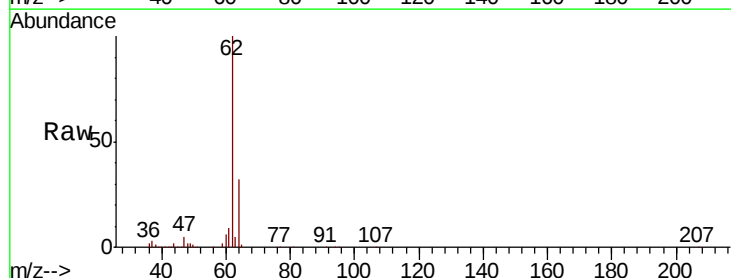
Acq: 30 Aug 2019 9:59

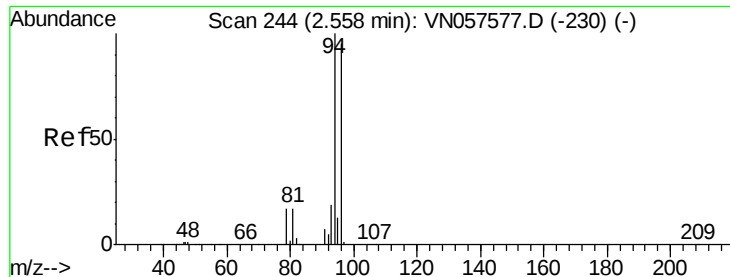
Tgt Ion: 62 Resp: 346629

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 52.390 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

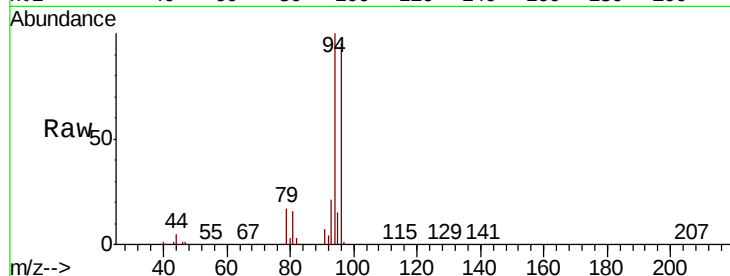
VSTDIC050

Tgt Ion: 94 Resp: 316546

Ion Ratio Lower Upper

94 100

96 95.2 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN057577.D (-230) (-)

Ion 96.00 (95.70 to 96.70): VN057577.D (-230) (-)

2.55

150000

100000

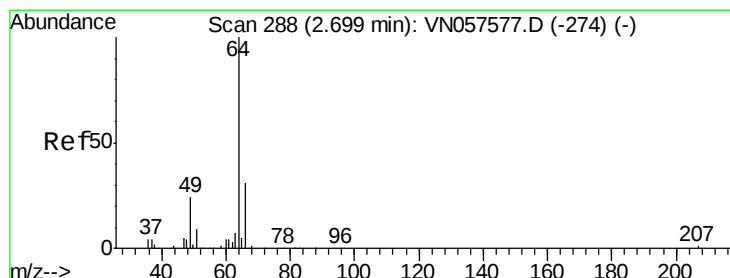
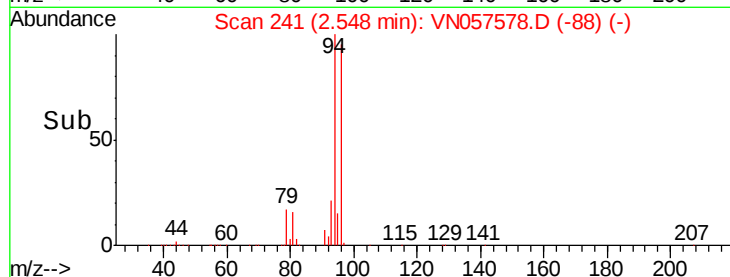
50000

0

2.50

2.60

Time-->



#6

Chloroethane

Concen: 39.565 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN057578.D

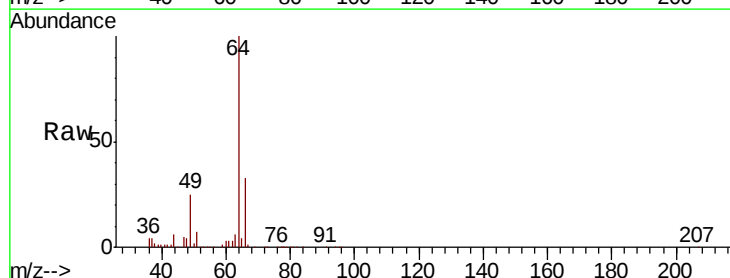
Acq: 30 Aug 2019 9:59

Tgt Ion: 64 Resp: 234135

Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN057577.D (-274) (-)

Ion 66.00 (65.70 to 66.70): VN057577.D (-274) (-)

2.70

100000

50000

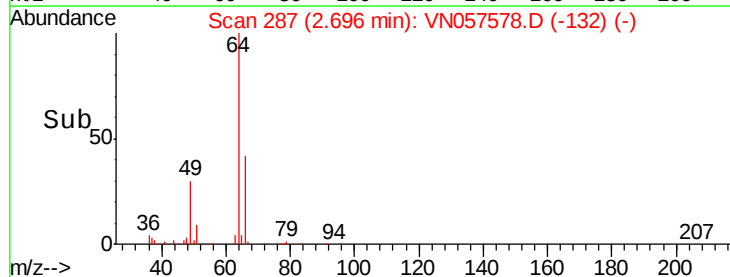
0

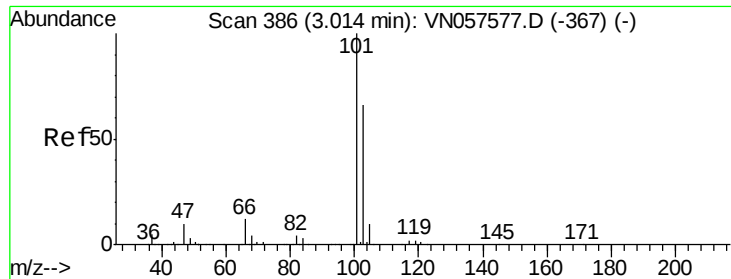
2.60

2.70

2.80

Time-->



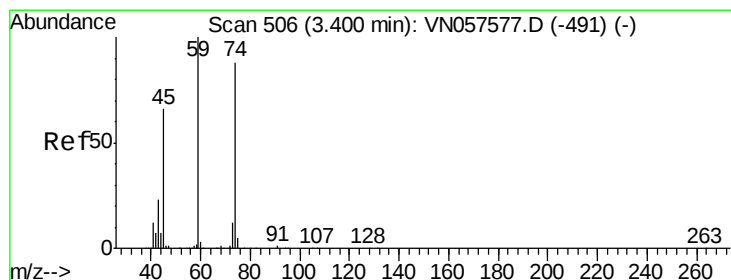
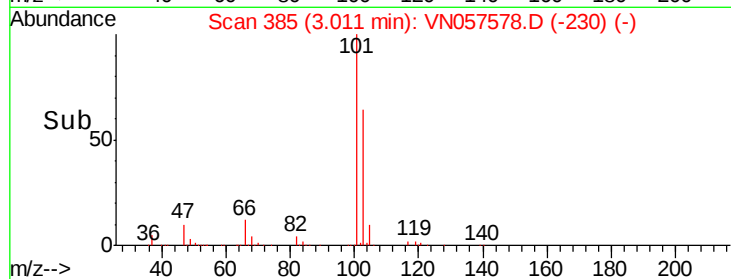
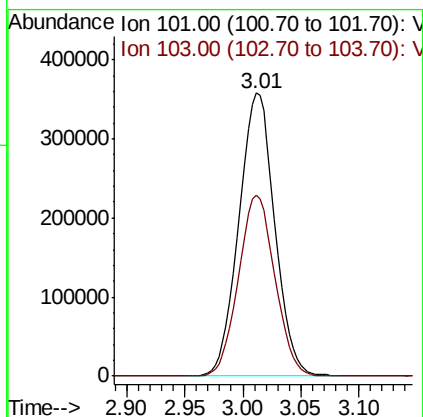
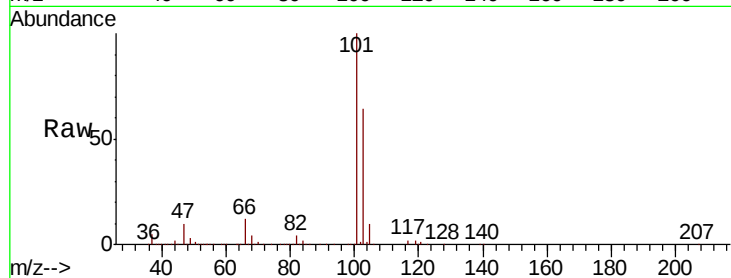


#7

Trichlorofluoromethane
Concen: 51.702 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

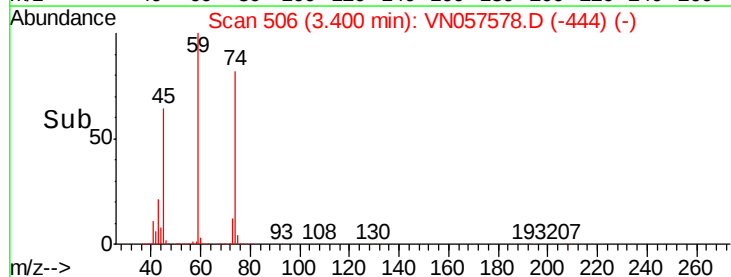
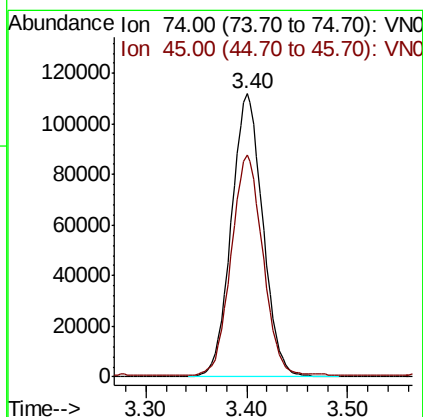
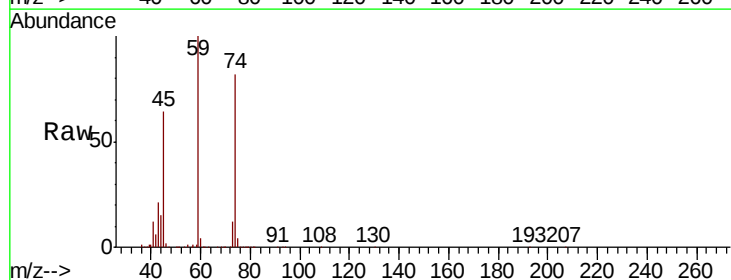
Tgt Ion: 101 Resp: 770222
Ion Ratio Lower Upper
101 100
103 63.8 52.4 78.6

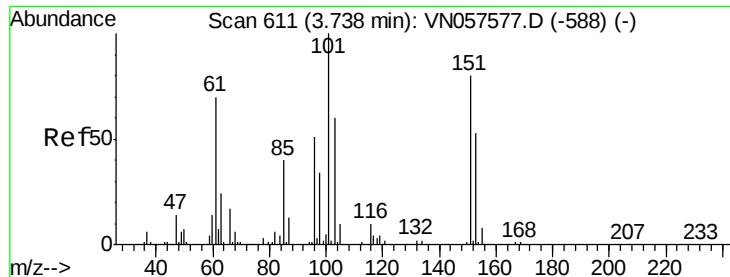


#8

Diethyl Ether
Concen: 43.805 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 74 Resp: 242372
Ion Ratio Lower Upper
74 100
45 78.2 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.777 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

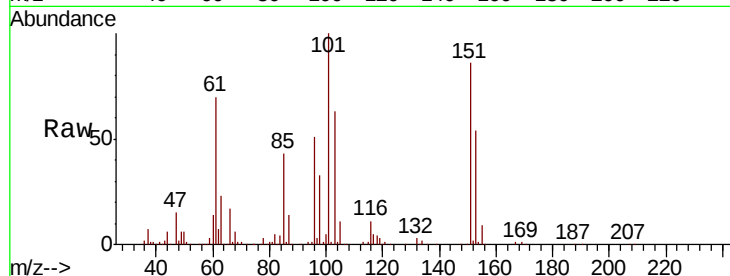
Tgt Ion: 101 Resp: 459992

Ion Ratio Lower Upper

101 100

85 42.3 0.0 83.2

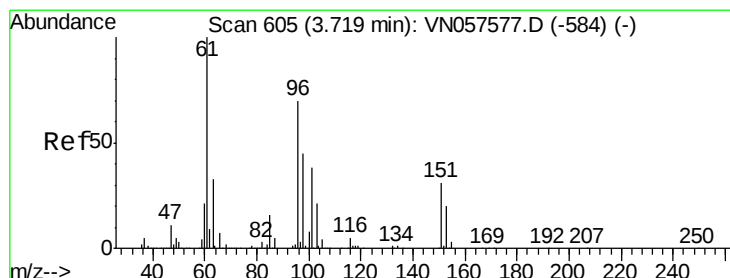
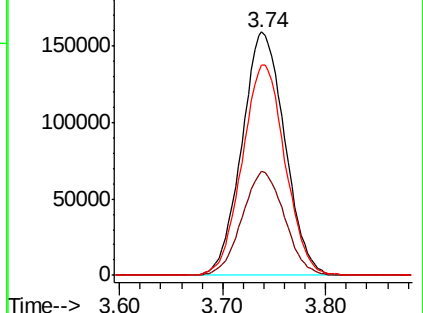
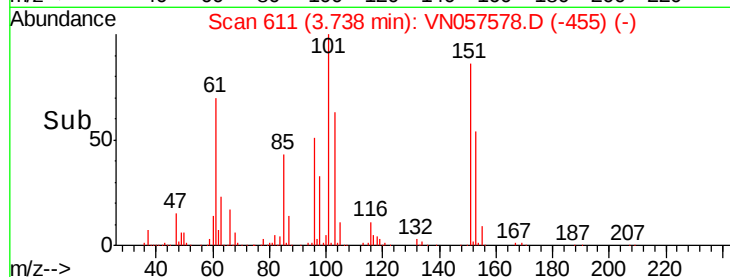
151 86.5 0.0 166.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 51.643 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

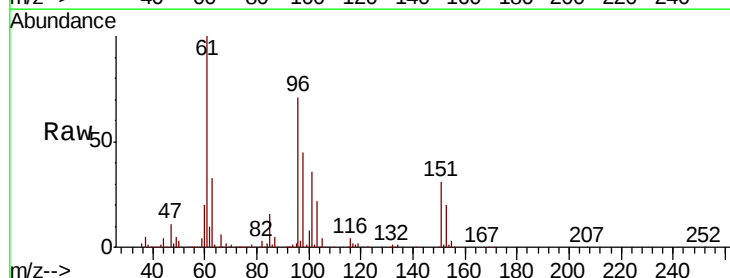
Tgt Ion: 96 Resp: 420455

Ion Ratio Lower Upper

96 100

61 139.9 114.2 171.4

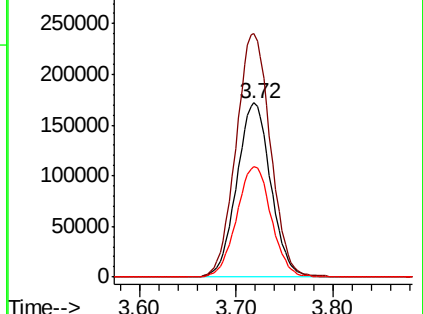
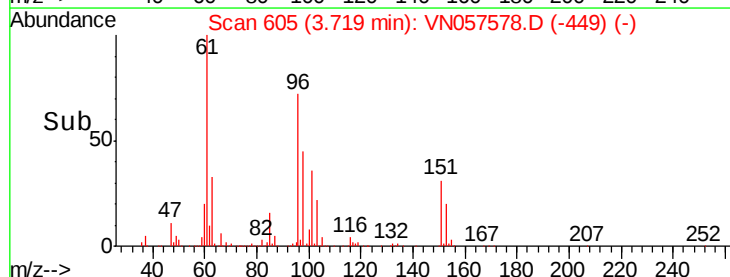
98 63.3 51.8 77.6

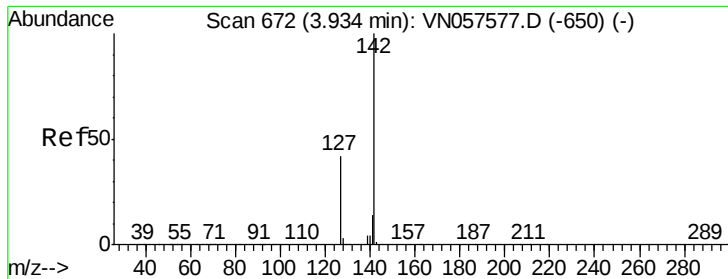


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V

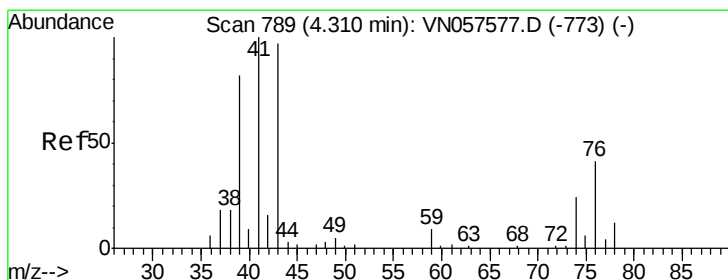
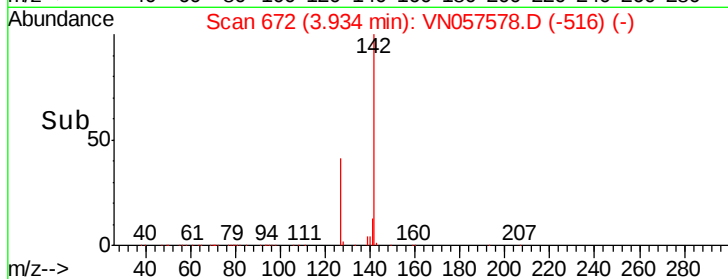
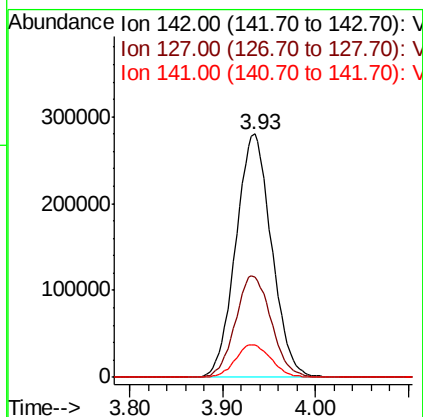
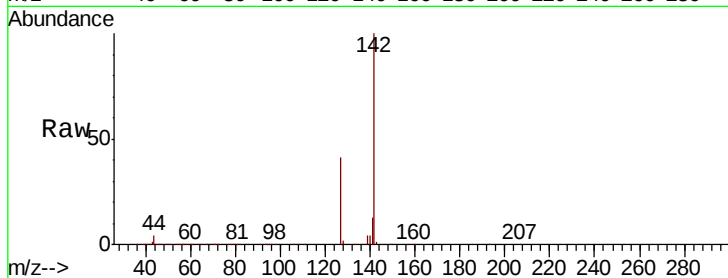




#11
Methyl Iodide
Concen: 83.446 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

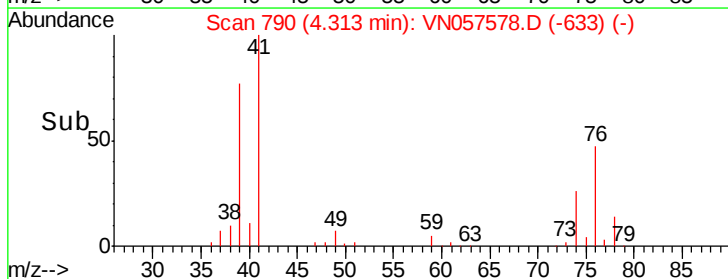
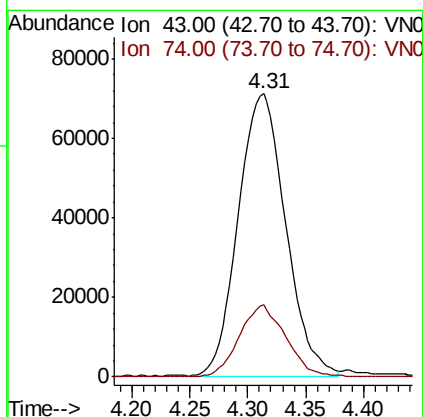
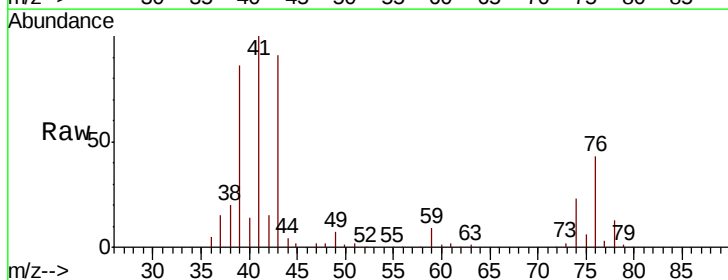
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

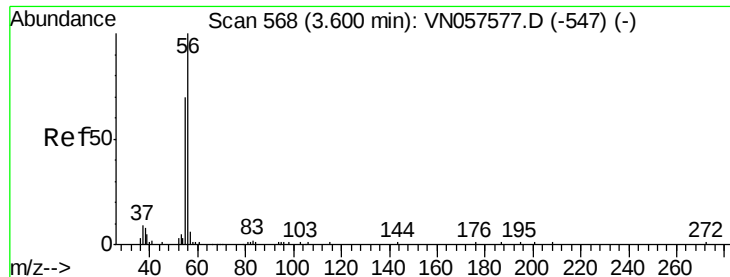
Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	20.8	62.4
141	13.1	6.8	20.4



#12
Methyl Acetate
Concen: 27.313 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.6	29.4





#13

Acrolein

Concen: 152.210 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

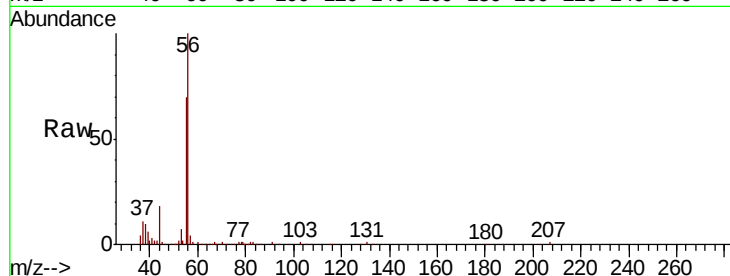
VSTDIC050

Tgt Ion: 56 Resp: 140725

Ion Ratio Lower Upper

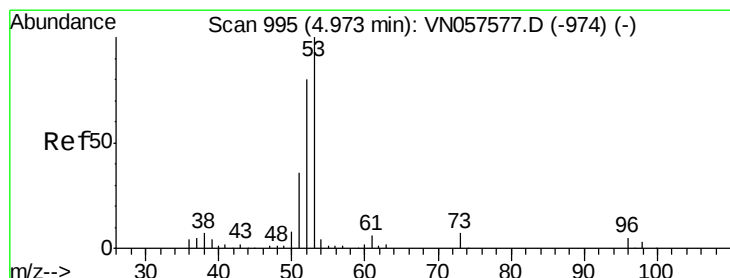
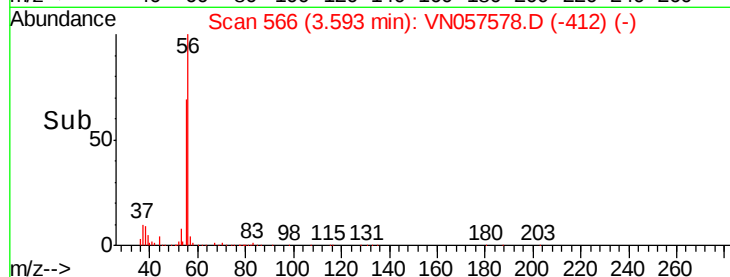
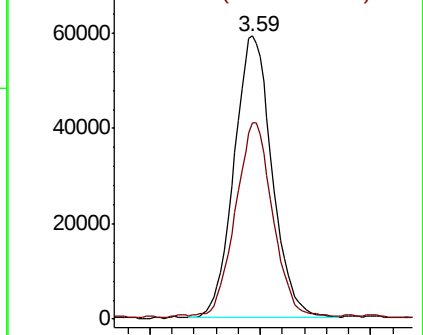
56 100

55 68.3 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 168.091 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

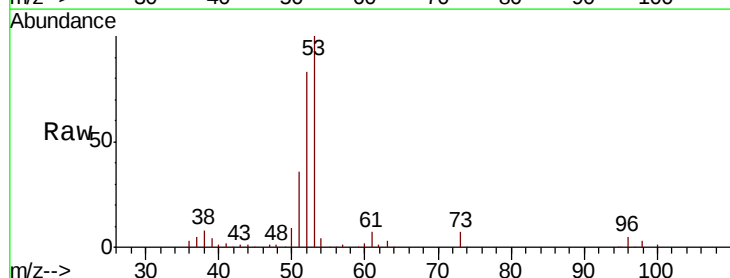
Tgt Ion: 53 Resp: 436498

Ion Ratio Lower Upper

53 100

52 83.7 40.6 122.0

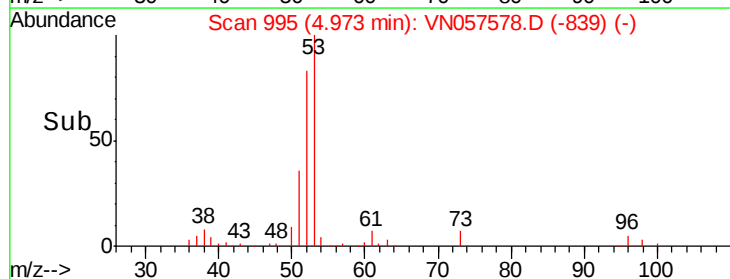
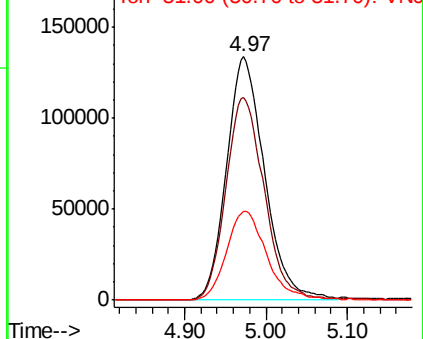
51 38.5 8.3 24.9#

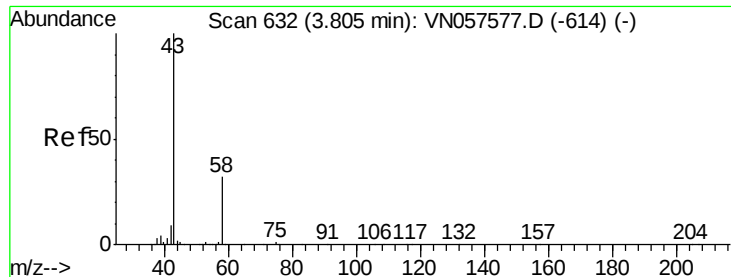


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 187.417 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

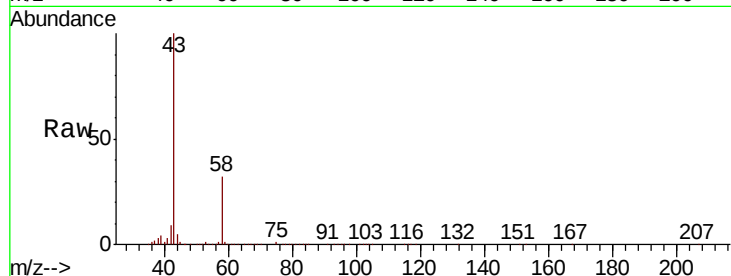
VSTDIC050

Tgt Ion: 58 Resp: 229843

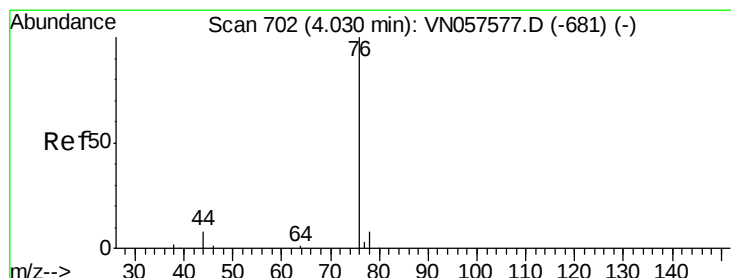
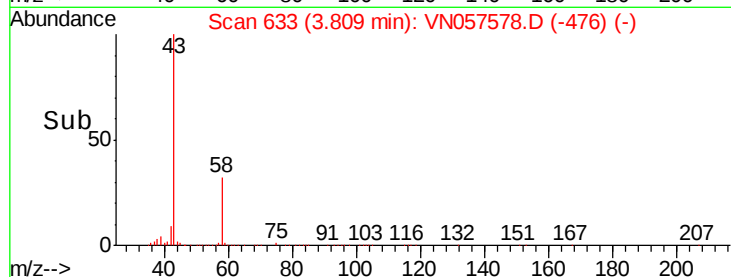
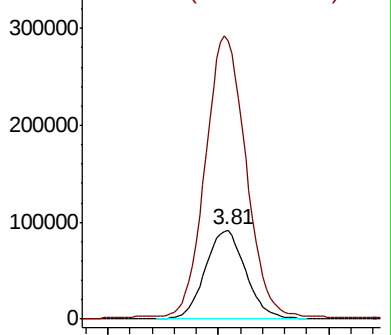
Ion Ratio Lower Upper

58 100

43 310.9 252.8 379.2



Abundance Ion 58.00 (57.70 to 58.70): VN057577.D (-614) (-)



#16

Carbon Disulfide

Concen: 33.082 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057578.D

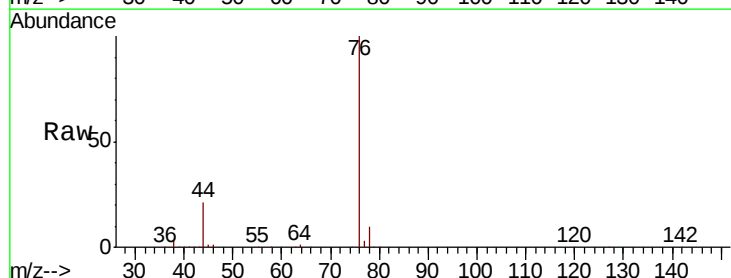
Acq: 30 Aug 2019 9:59

Tgt Ion: 76 Resp: 434546

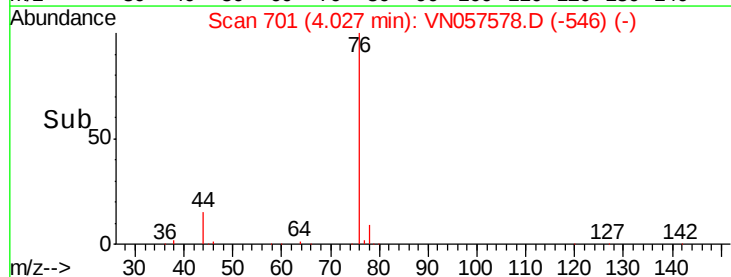
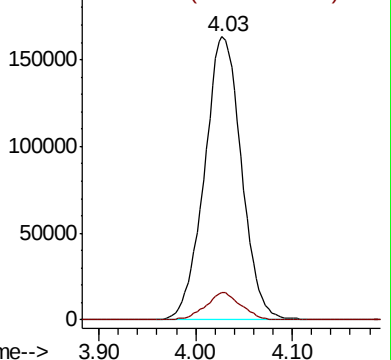
Ion Ratio Lower Upper

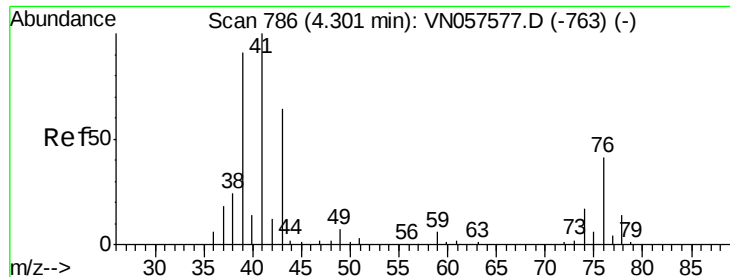
76 100

78 9.7 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN057577.D (-681) (-)

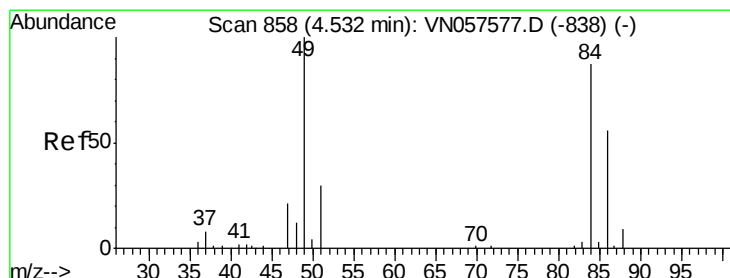
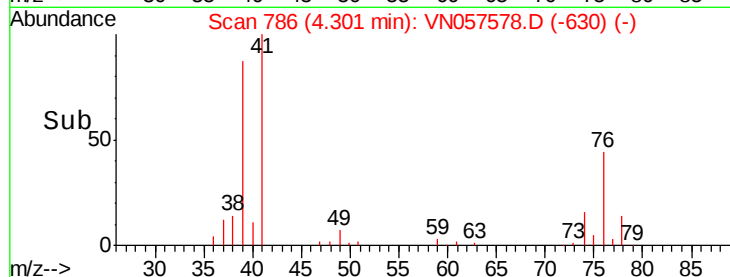
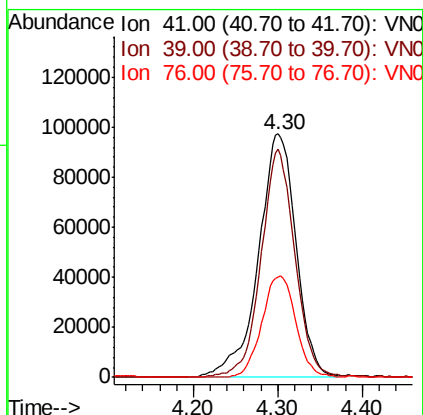
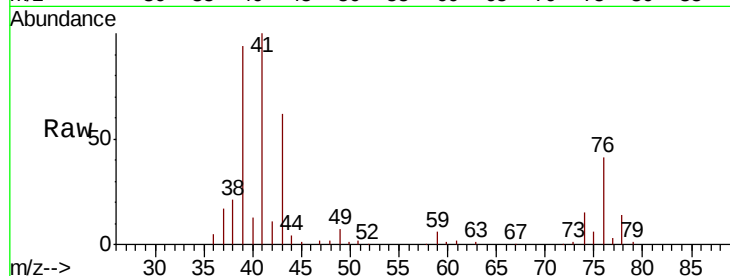




#17
 Allyl chloride
 Concen: 30.291 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

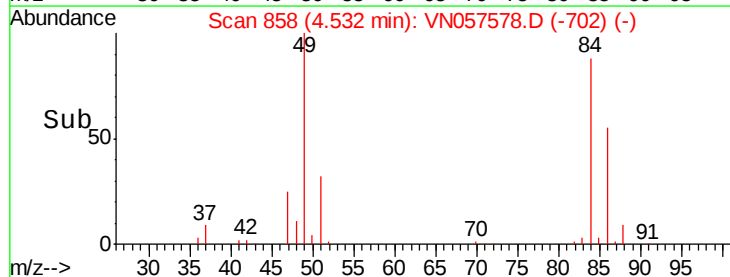
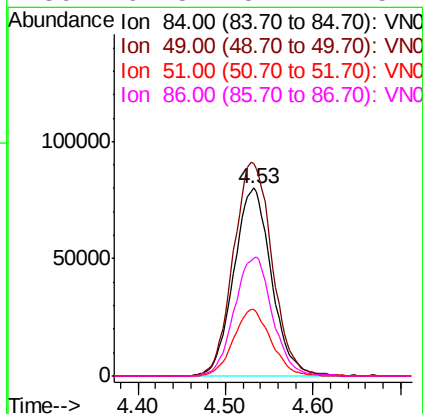
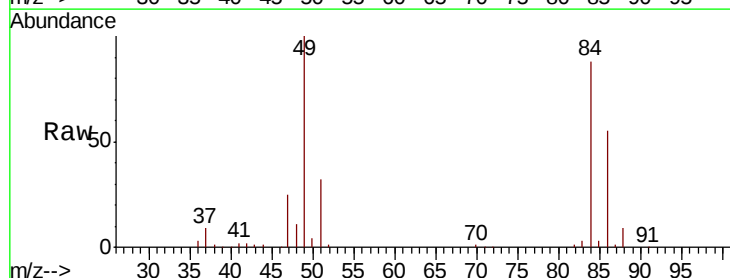
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

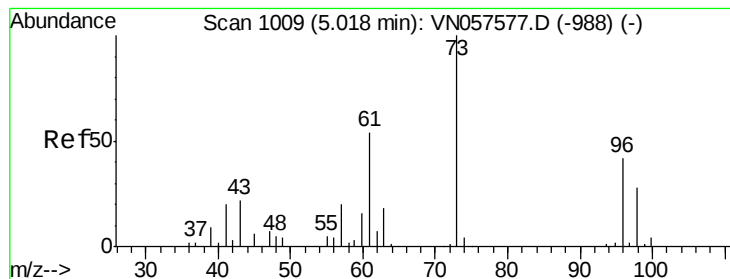
Tgt Ion: 41 Resp: 300723
 Ion Ratio Lower Upper
 41 100
 39 93.4 44.6 134.0
 76 41.3 19.8 59.3



#18
 Methylene Chloride
 Concen: 42.303 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 84 Resp: 239360
 Ion Ratio Lower Upper
 84 100
 49 113.1 92.4 138.6
 51 35.8 27.9 41.9
 86 62.8 52.2 78.2





#19

trans-1,2-Dichloroethene

Concen: 43.225 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

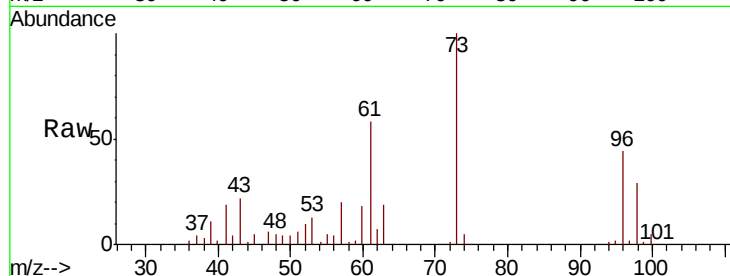
Tgt Ion: 96 Resp: 232844

Ion Ratio Lower Upper

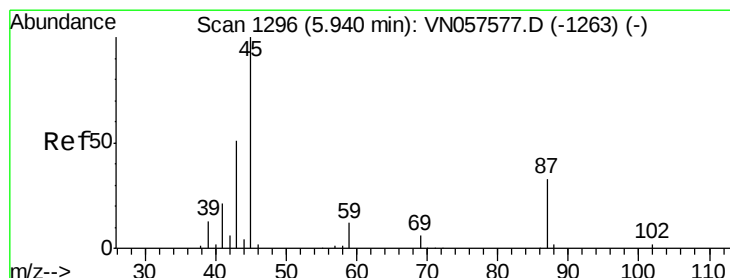
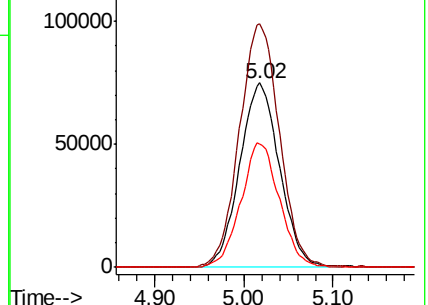
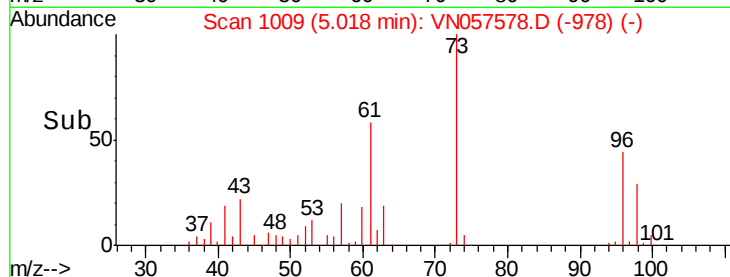
96 100

61 131.9 102.6 153.8

98 67.0 52.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VN057578.D (-978) (-)



#20

Diisopropyl ether

Concen: 33.557 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Tgt Ion: 45 Resp: 719731

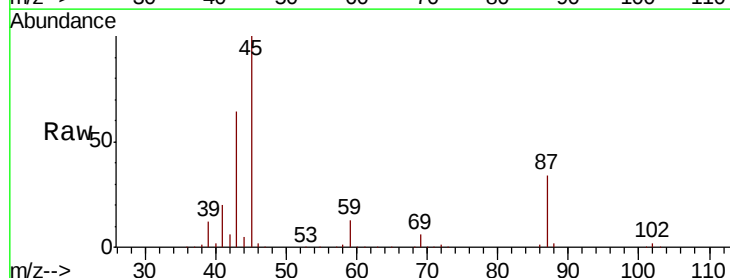
Ion Ratio Lower Upper

45 100

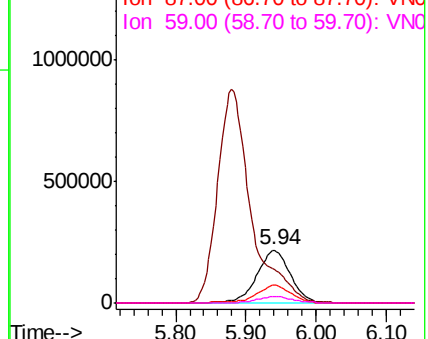
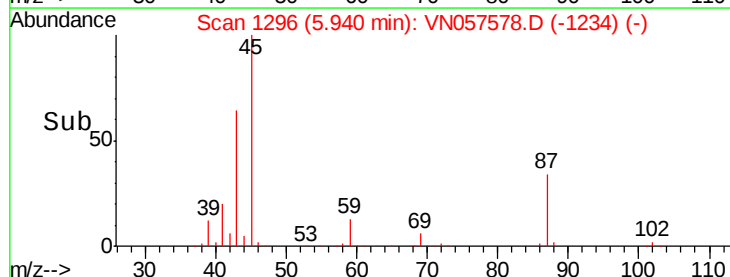
43 63.2 51.9 77.9

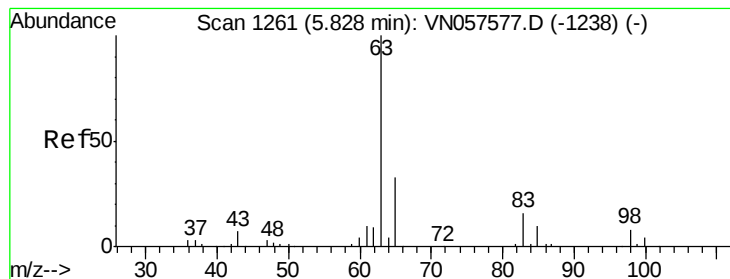
87 34.4 27.3 40.9

59 12.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN057578.D (-1234) (-)





#21

1,1-Dichloroethane

Concen: 39.688 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

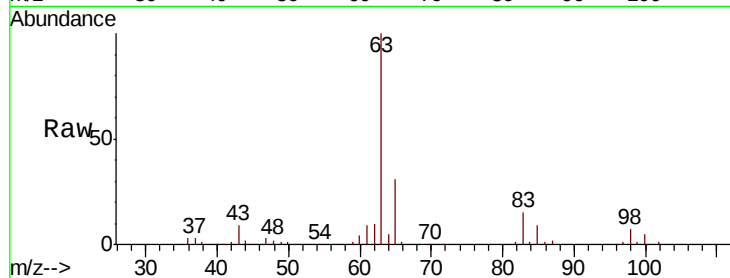
Tgt Ion: 63 Resp: 453619

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 4.5 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN057577.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1238) (-)

Ion 100.00 (99.70 to 100.70): VN057577.D (-1238) (-)

150000

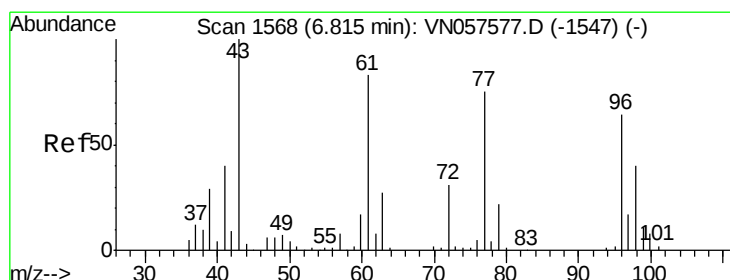
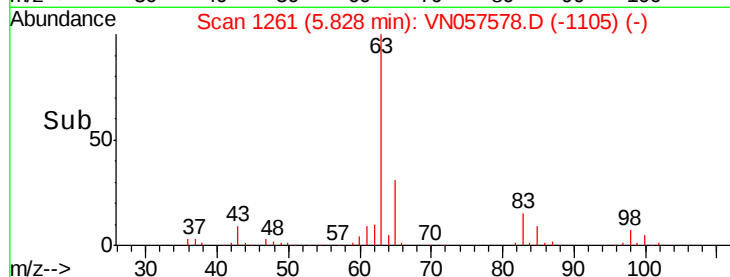
100000

50000

0

5.70 5.80 5.90

Time-->



#22

cis-1,2-Dichloroethene

Concen: 47.044 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

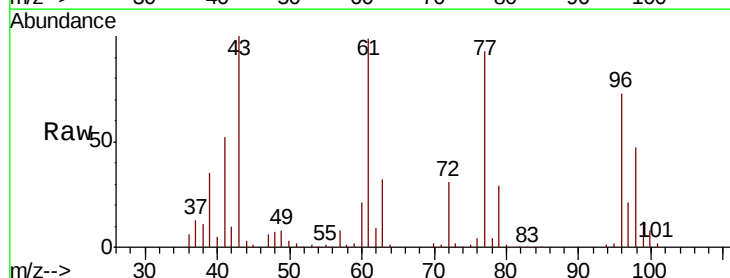
Tgt Ion: 96 Resp: 309988

Ion Ratio Lower Upper

96 100

61 137.9 110.5 165.7

98 65.2 51.1 76.7



Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1547) (-)

200000

150000

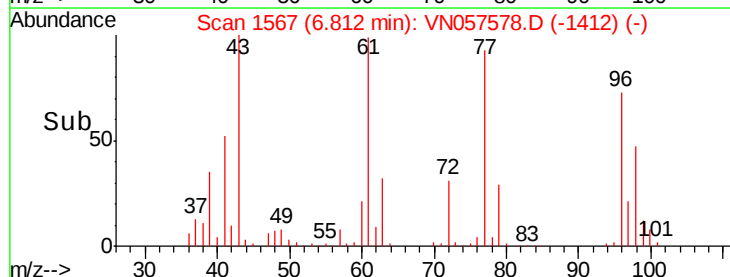
100000

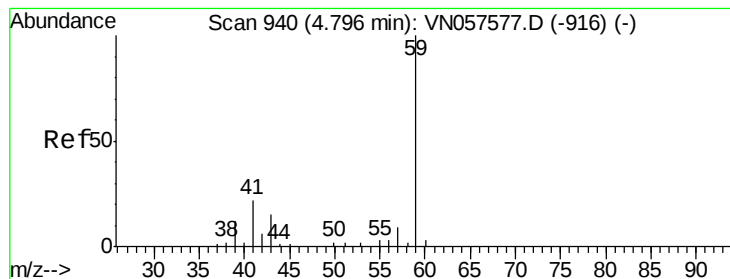
50000

0

6.70 6.80 6.90

Time-->





#23

tert-Butyl Alcohol

Concen: 76.023 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

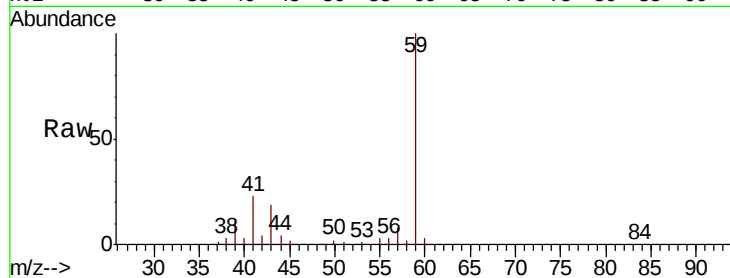
VSTDIC050

Tgt Ion: 59 Resp: 72147

Ion Ratio Lower Upper

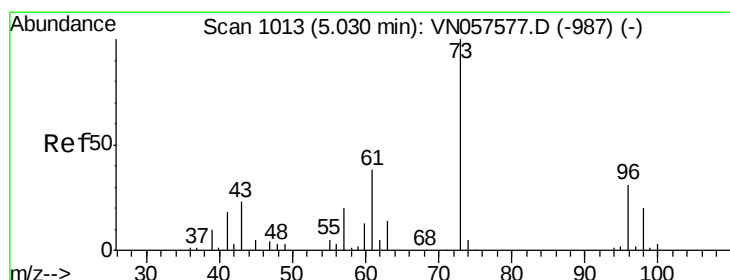
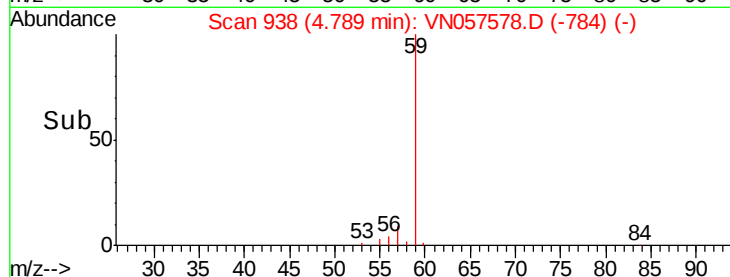
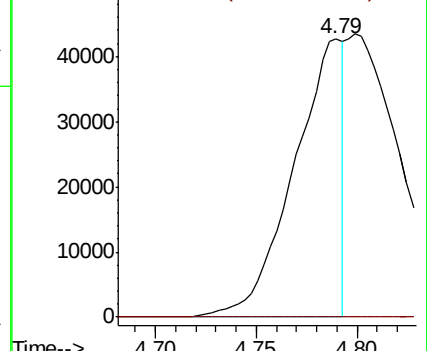
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 42.597 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057578.D

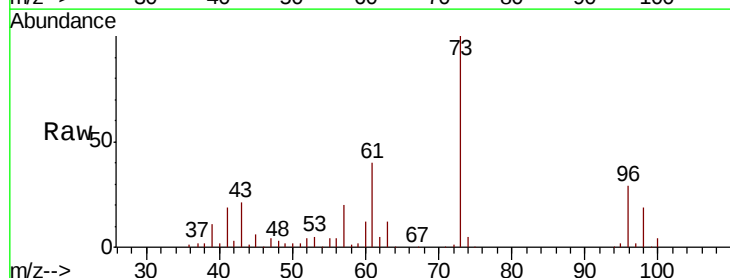
Acq: 30 Aug 2019 9:59

Tgt Ion: 73 Resp: 758832

Ion Ratio Lower Upper

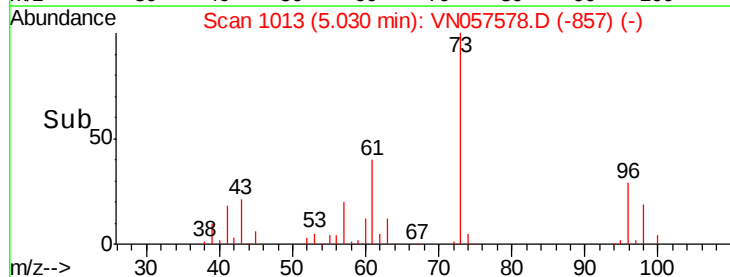
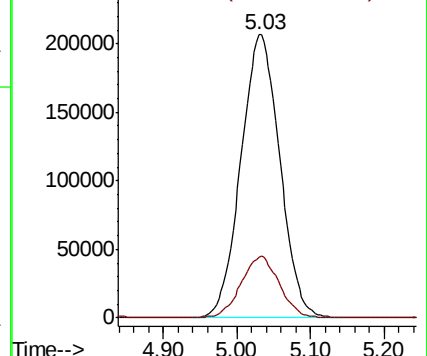
73 100

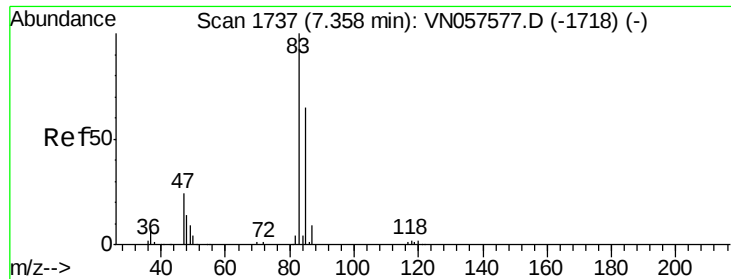
43 21.0 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 46.453 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

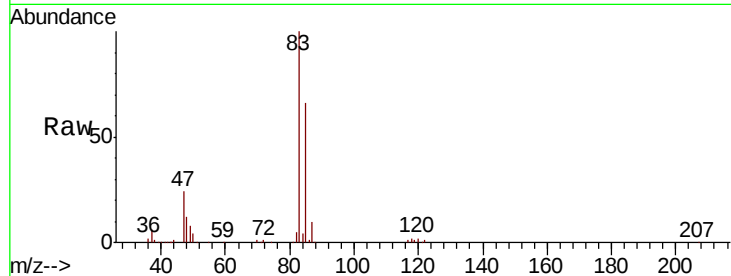
VSTDIC050

Tgt Ion: 83 Resp: 544975

Ion Ratio Lower Upper

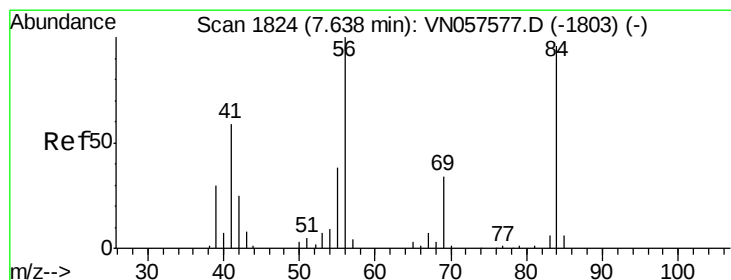
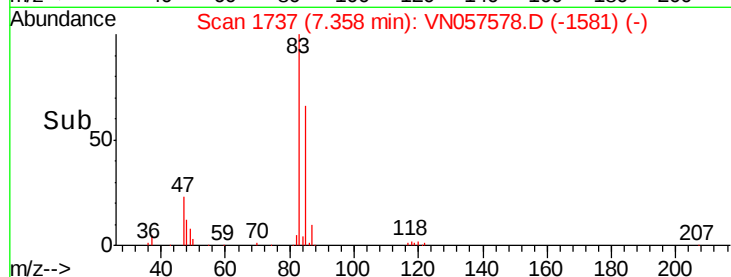
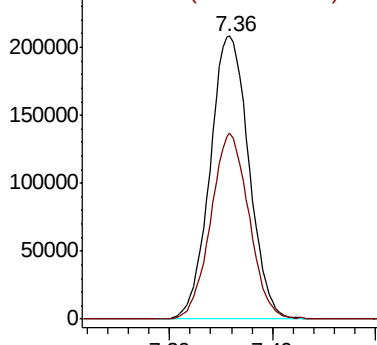
83 100

85 65.8 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 37.834 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

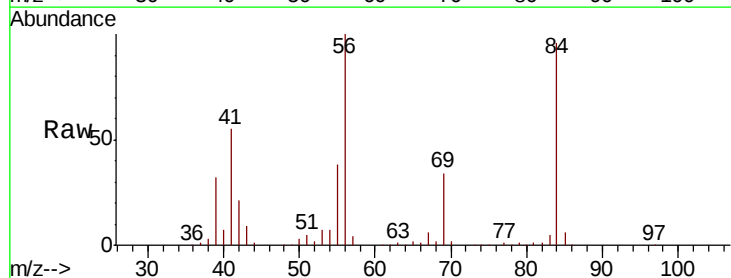
Tgt Ion: 56 Resp: 383215

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

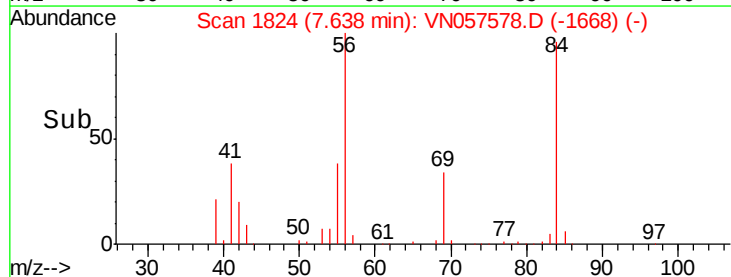
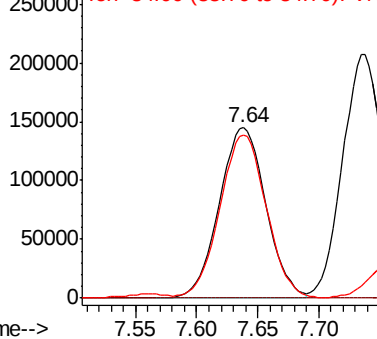
84 96.0 75.9 113.9

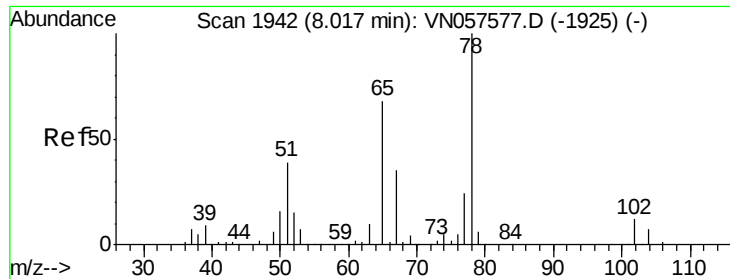


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 26.216 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

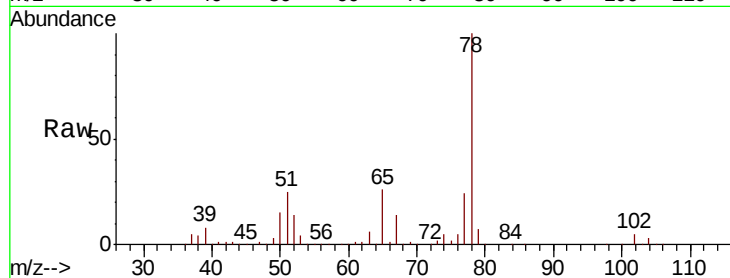
VSTDIC050

Tgt Ion: 65 Resp: 225032

Ion Ratio Lower Upper

65 100

67 50.2 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN057577.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN057577.D (-1925) (-)

8.02

100000

80000

60000

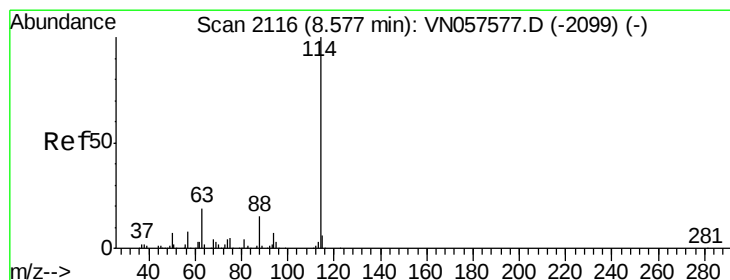
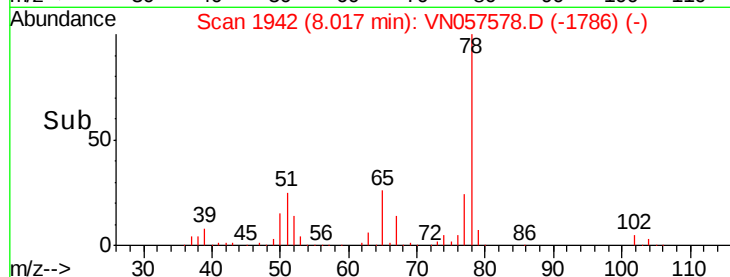
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

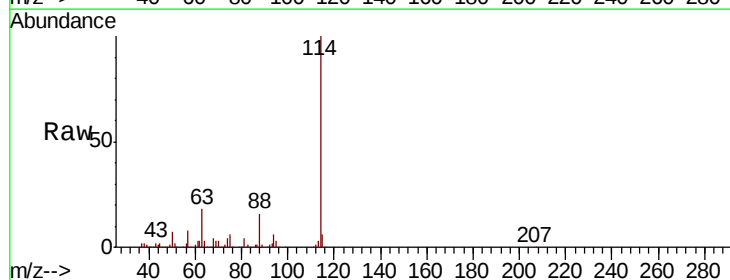
Tgt Ion: 114 Resp: 560263

Ion Ratio Lower Upper

114 100

63 18.5 15.4 23.0

88 15.3 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): VN057577.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057577.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057577.D (-2099) (-)

8.58

300000

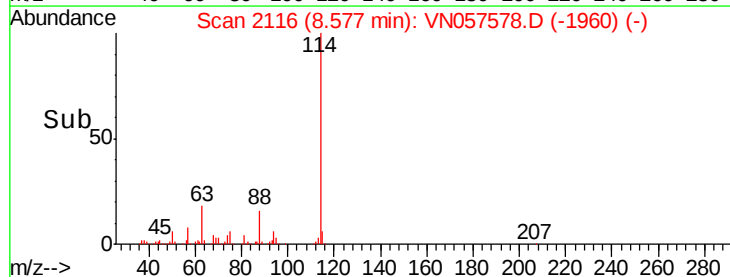
200000

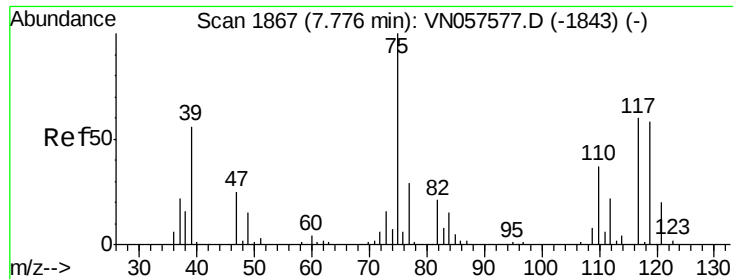
100000

0

8.50 8.55 8.60 8.65

Time-->

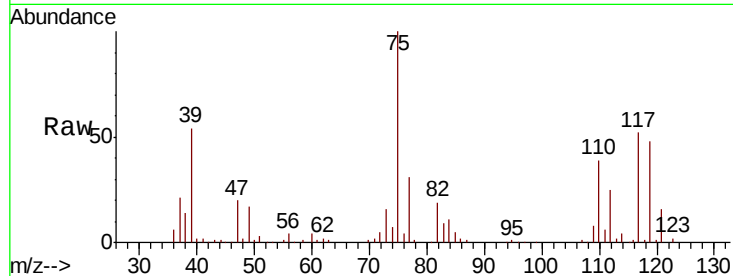




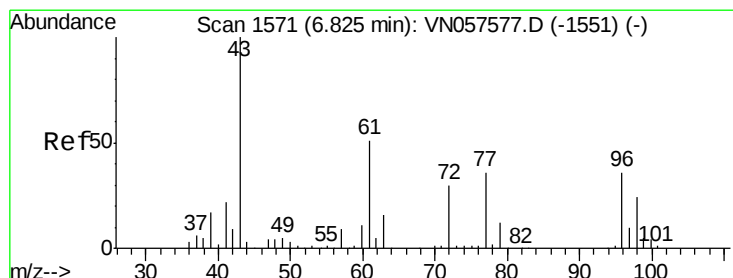
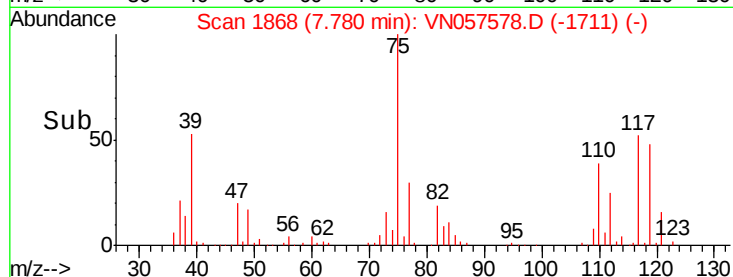
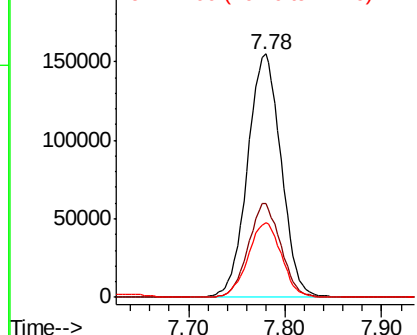
#29
 1,1-Dichloropropene
 Concen: 40.541 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 75 Resp: 373996
 Ion Ratio Lower Upper
 75 100
 110 37.5 0.0 75.4
 77 30.6 0.0 61.0

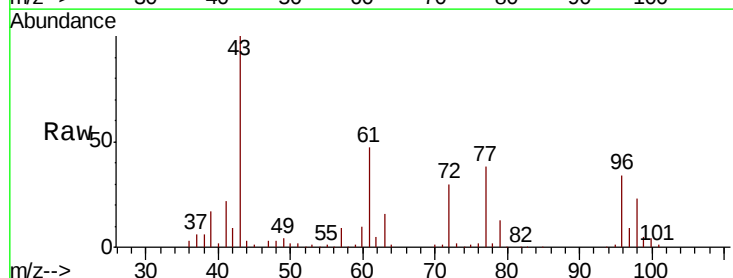


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

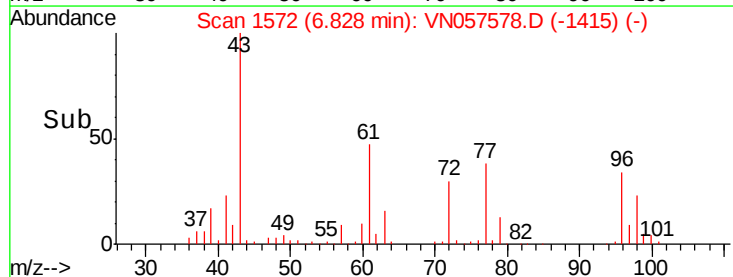
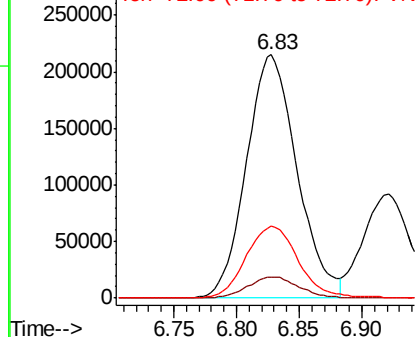


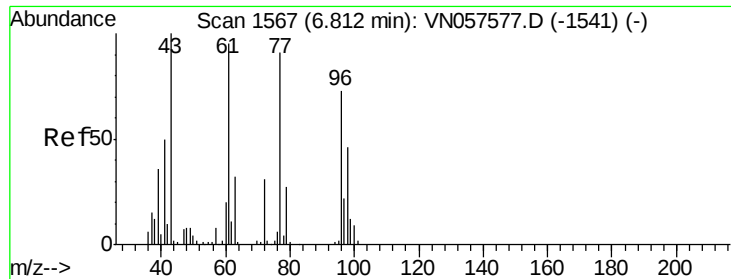
#30
 2-Butanone
 Concen: 143.494 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 43 Resp: 600766
 Ion Ratio Lower Upper
 43 100
 57 8.9 3.5 5.3#
 72 30.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 42.165 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

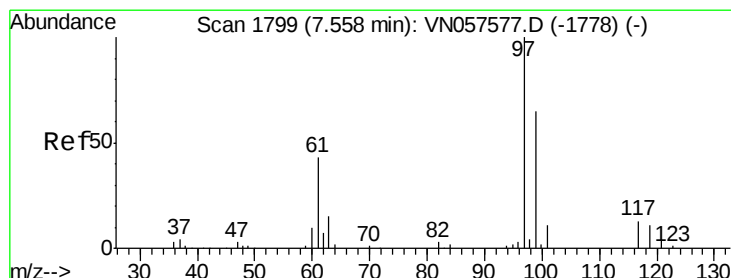
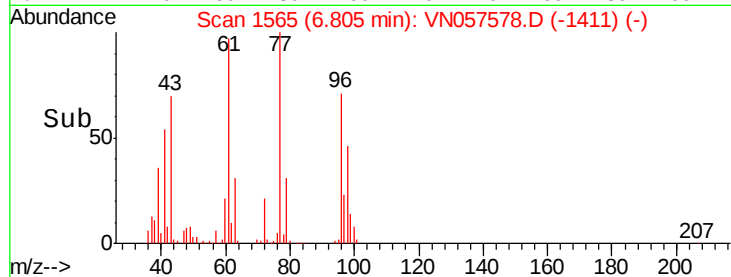
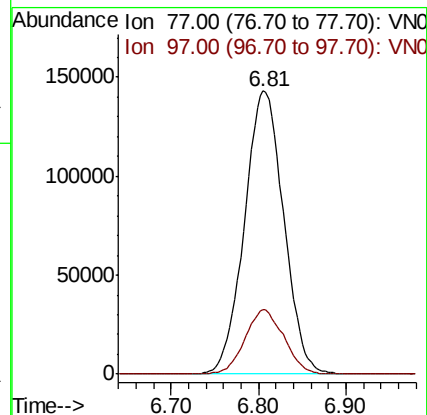
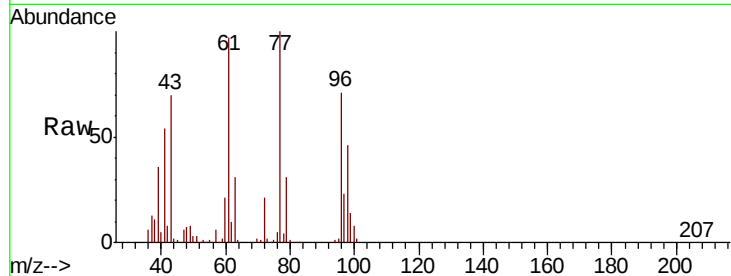
VSTDIC050

Tgt Ion: 77 Resp: 445415

Ion Ratio Lower Upper

77 100

97 22.6 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 46.129 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

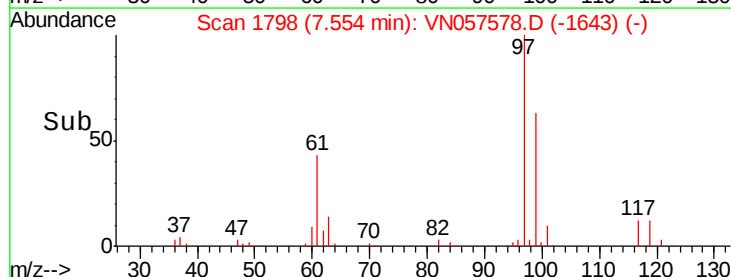
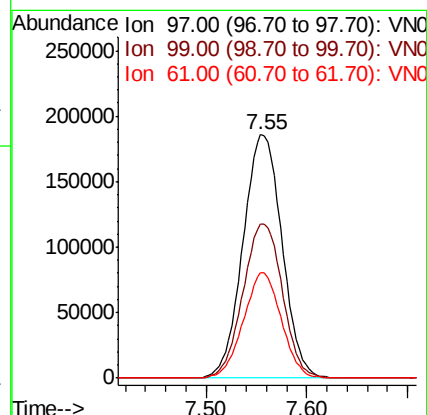
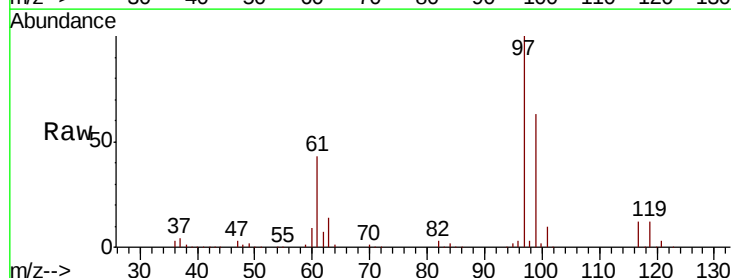
Tgt Ion: 97 Resp: 498604

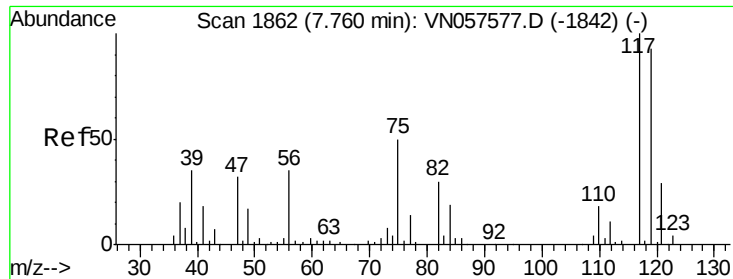
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 42.2 34.4 51.6

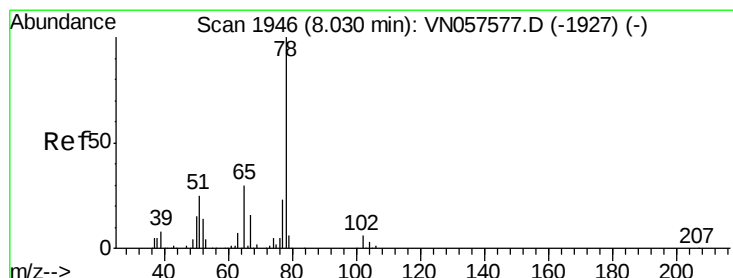
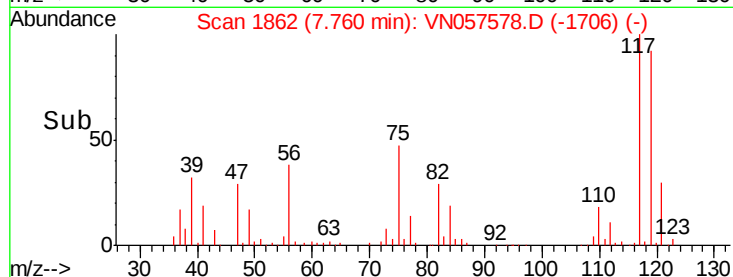
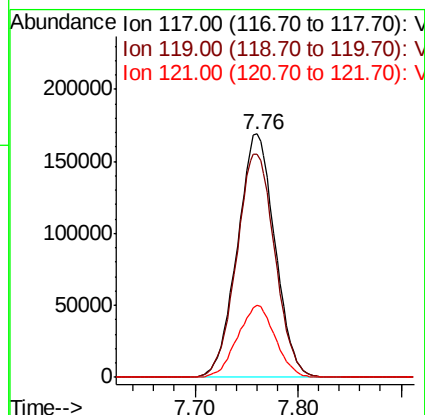
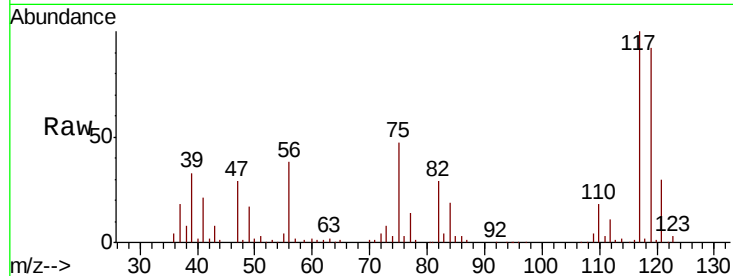




#33
Carbon Tetrachloride
Concen: 47.549 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

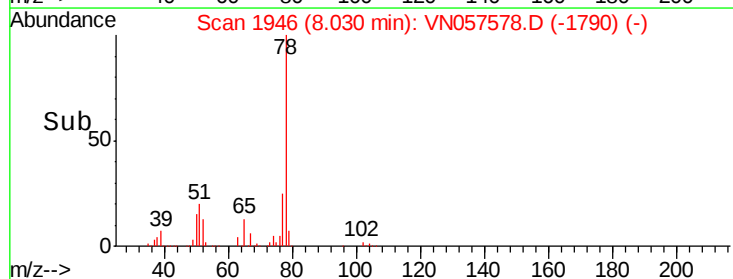
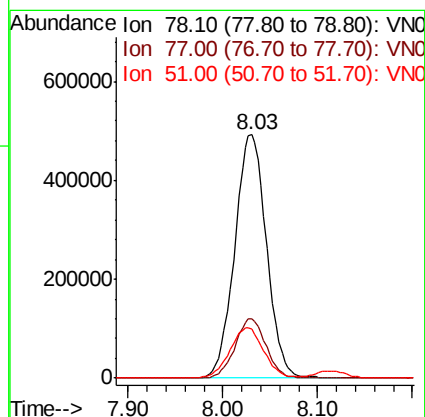
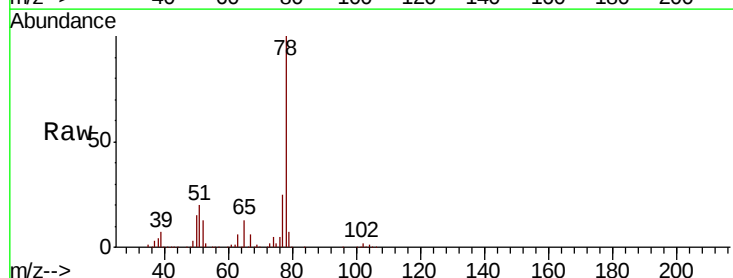
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

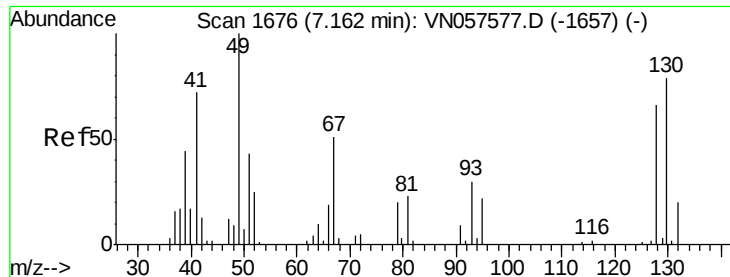
Tgt Ion:117 Resp: 427730
Ion Ratio Lower Upper
117 100
119 91.7 74.6 111.8
121 29.6 23.5 35.3



#34
Benzene
Concen: 42.225 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 78 Resp: 1146591
Ion Ratio Lower Upper
78 100
77 24.5 18.2 27.4
51 19.9 20.2 30.4#

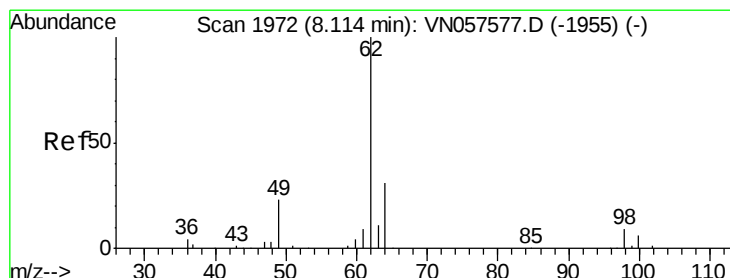
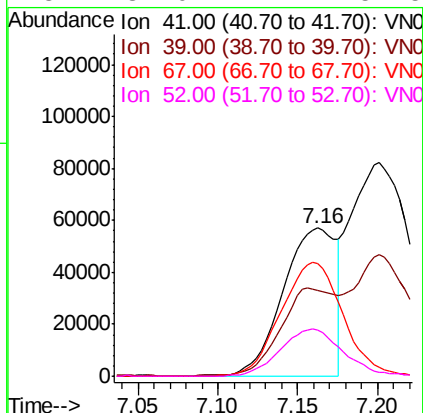
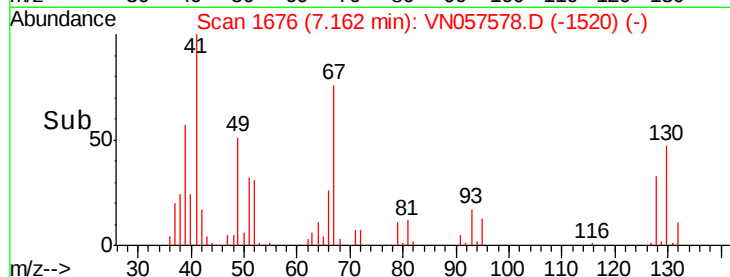
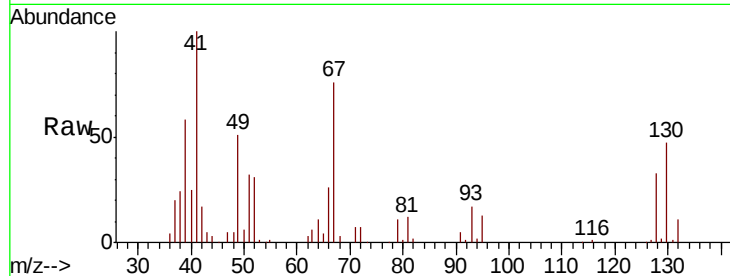




#35
Methacrylonitrile
Concen: 31.881 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

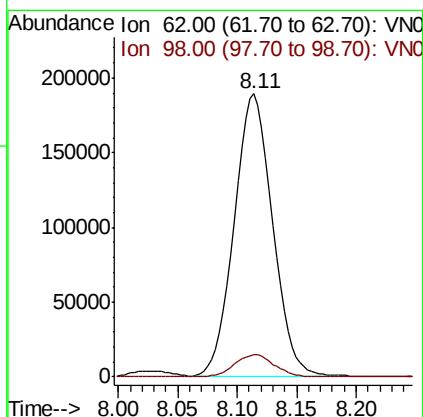
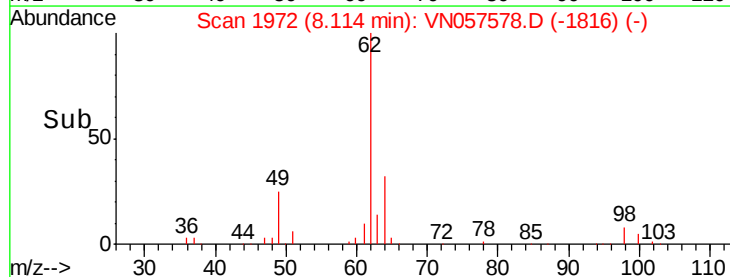
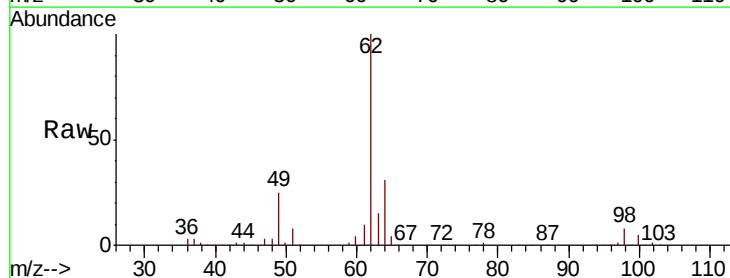
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

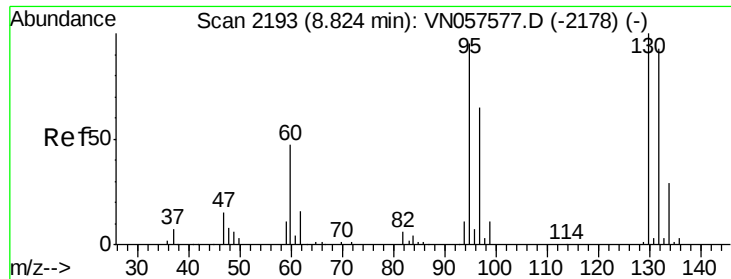
Tgt Ion: 41 Resp: 132867
Ion Ratio Lower Upper
41 100
39 57.7 30.4 91.2
67 76.2 35.6 106.8
52 31.0 17.2 51.5



#36
1,2-Dichloroethane
Concen: 39.784 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 62 Resp: 422652
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2

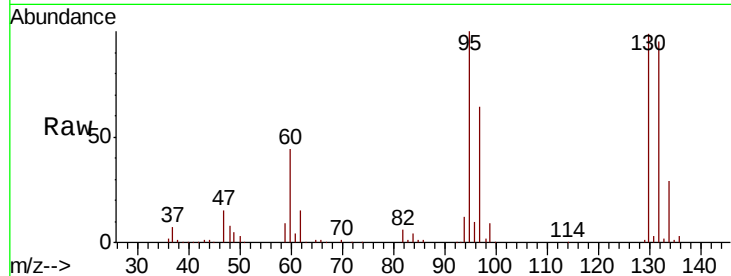




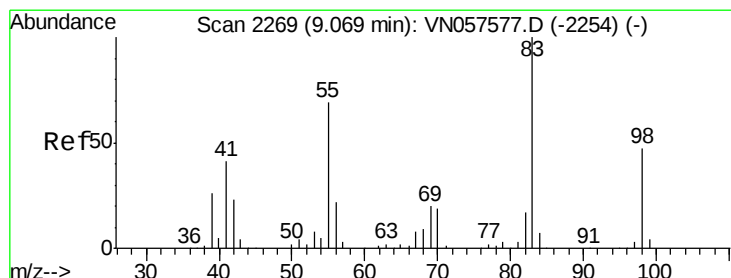
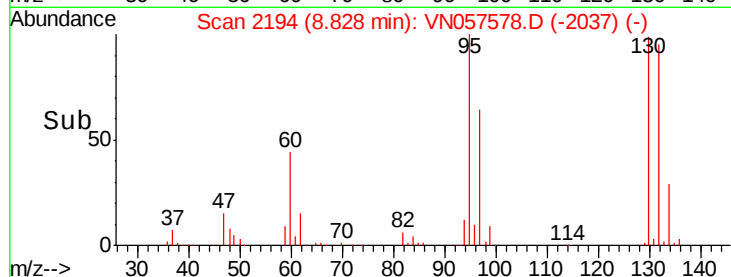
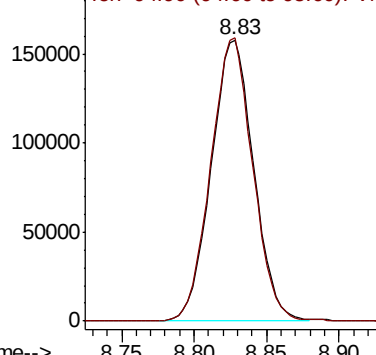
#37
 Trichloroethene
 Concen: 49.807 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:130 Resp: 321234
 Ion Ratio Lower Upper
 130 100
 95 100.6 76.2 114.2

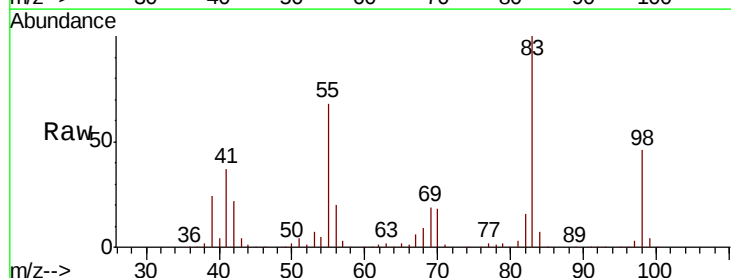


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

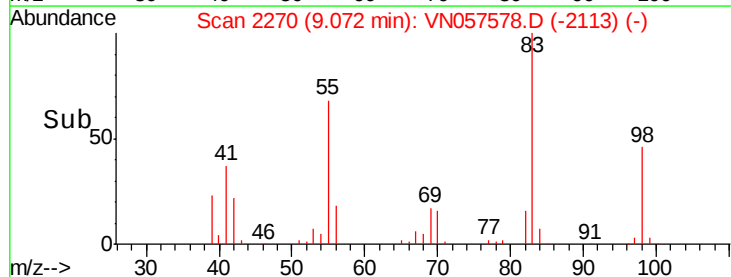
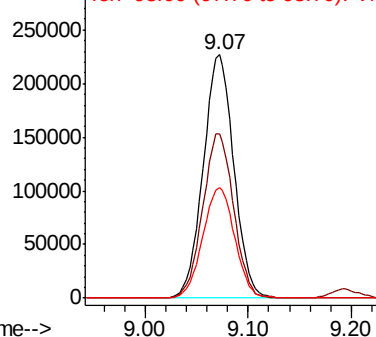


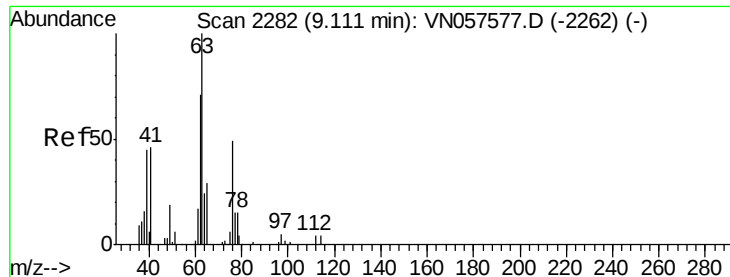
#38
 Methylcyclohexane
 Concen: 44.579 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 83 Resp: 469857
 Ion Ratio Lower Upper
 83 100
 55 68.0 34.5 103.6
 98 47.4 23.4 70.3



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

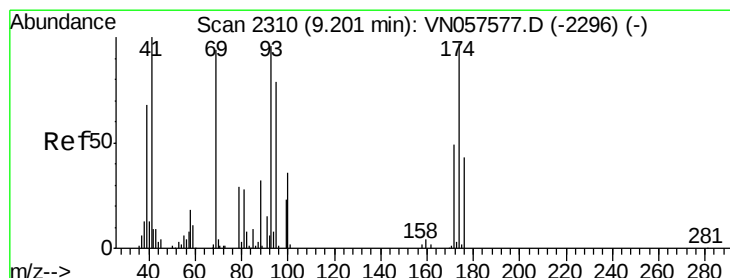
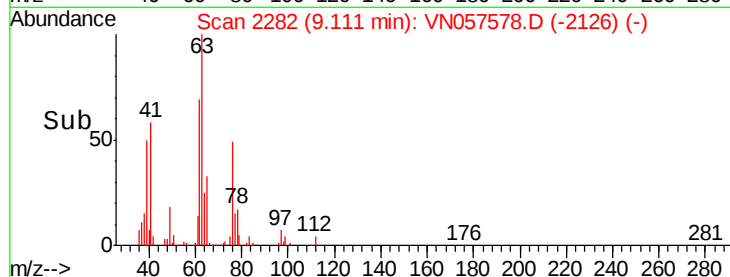
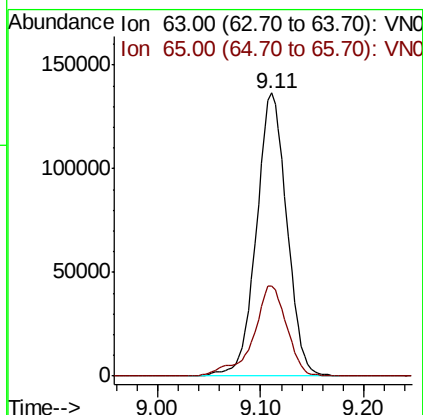
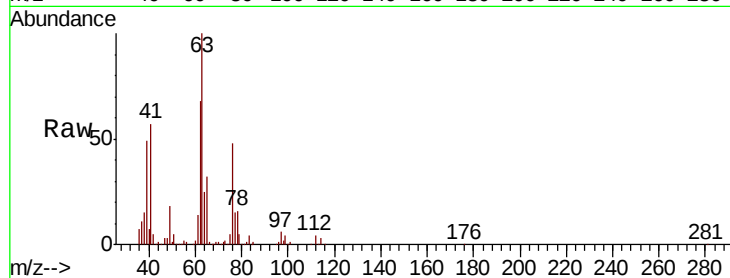




#39
 1,2-Dichloropropane
 Concen: 37.074 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

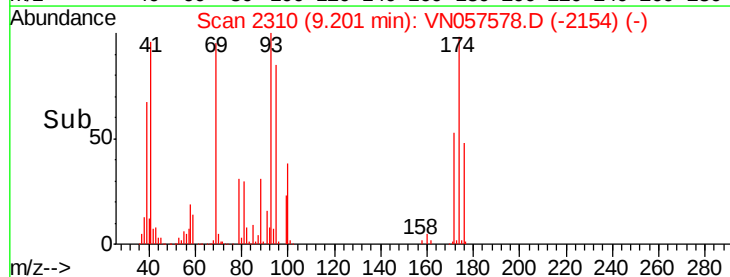
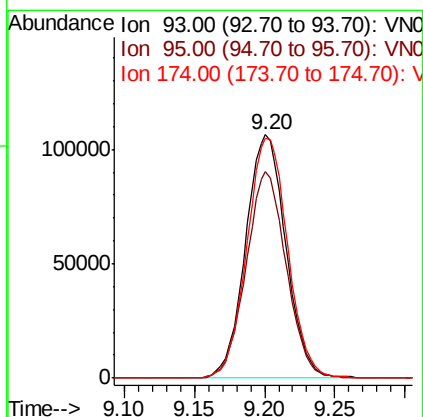
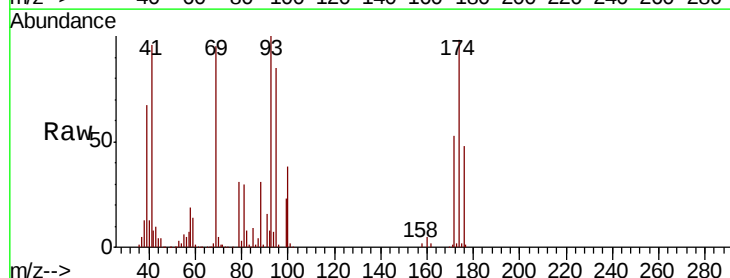
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

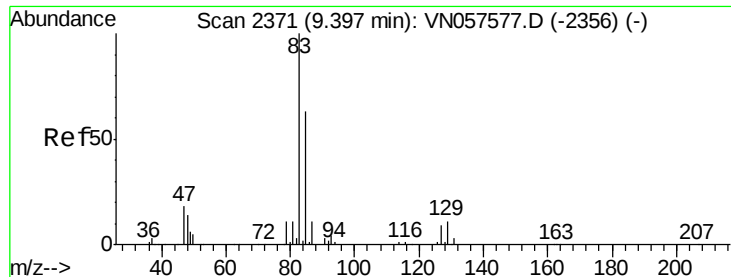
Tgt Ion: 63 Resp: 279050
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.2



#40
 Dibromomethane
 Concen: 44.398 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 93 Resp: 212861
 Ion Ratio Lower Upper
 93 100
 95 84.6 0.0 162.8
 174 99.9 0.0 199.2

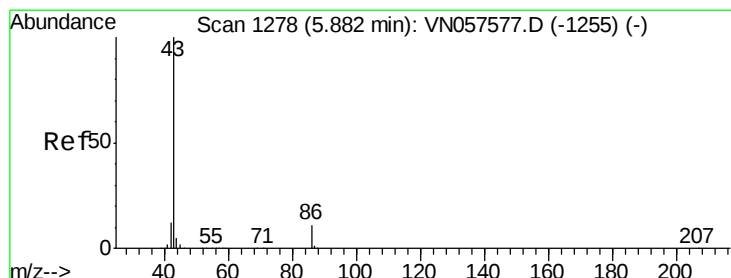
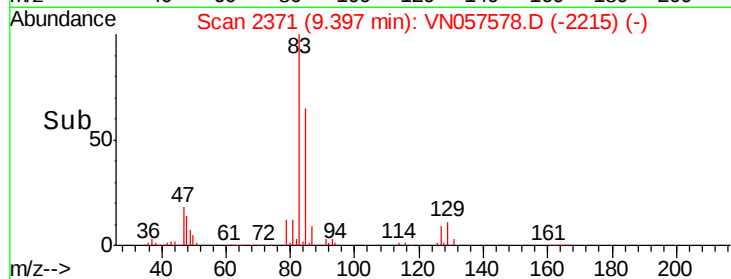
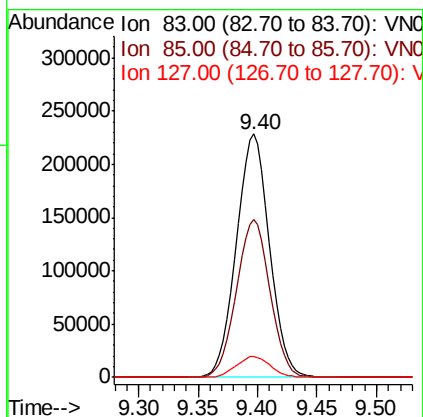
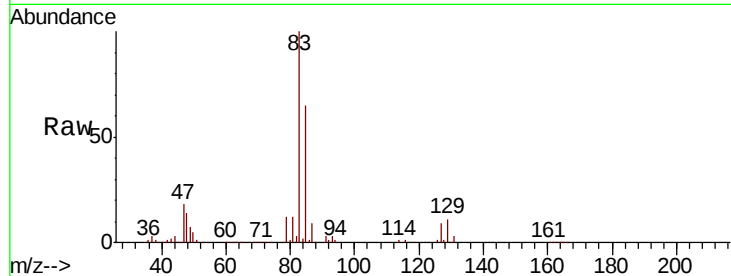




#41
 Bromodichloromethane
 Concen: 43.574 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

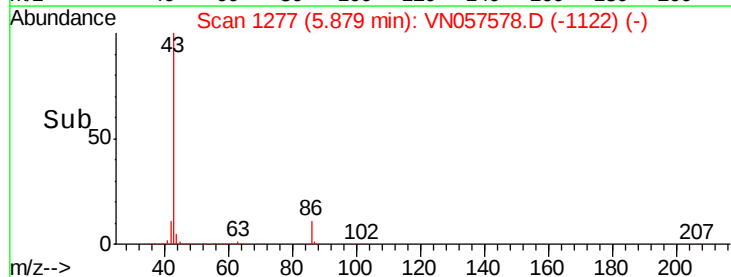
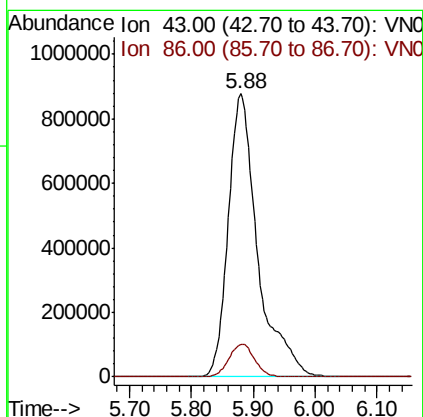
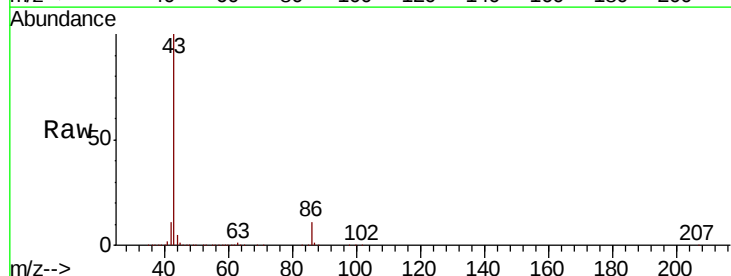
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

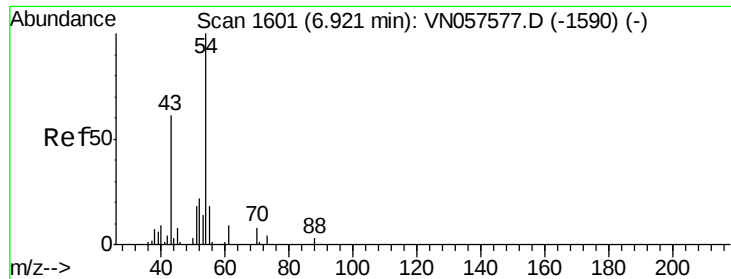
Tgt Ion: 83 Resp: 441273
 Ion Ratio Lower Upper
 83 100
 85 64.9 50.3 75.5
 127 8.7 7.4 11.2



#42
 Vinyl Acetate
 Concen: 153.743 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 43 Resp: 2904784
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.1 12.1

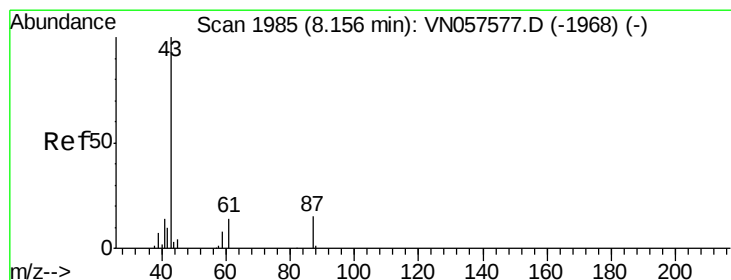
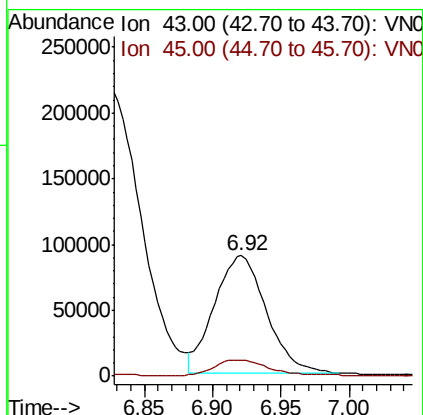
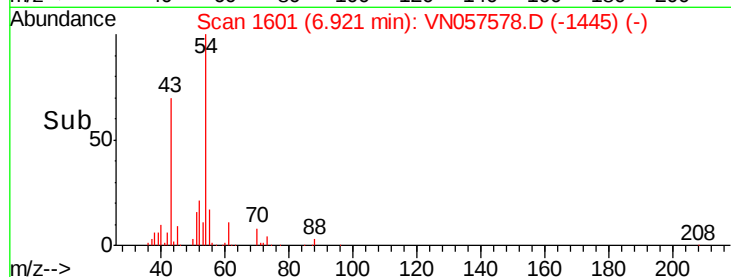
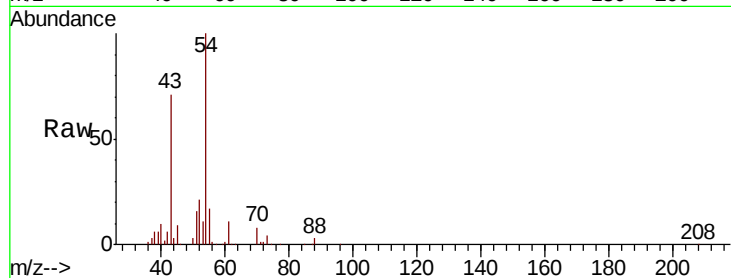




#43
Ethyl Acetate
Concen: 28.839 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

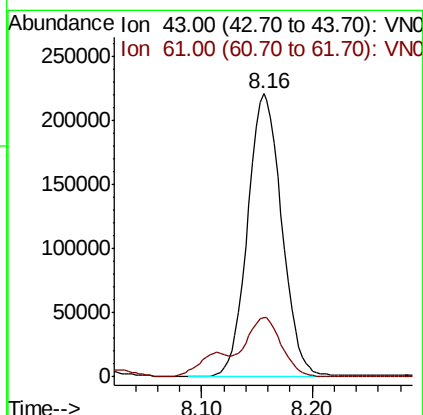
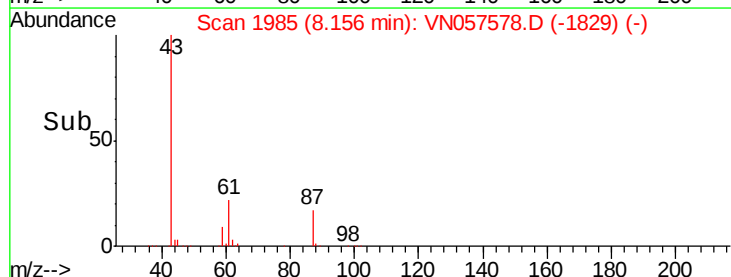
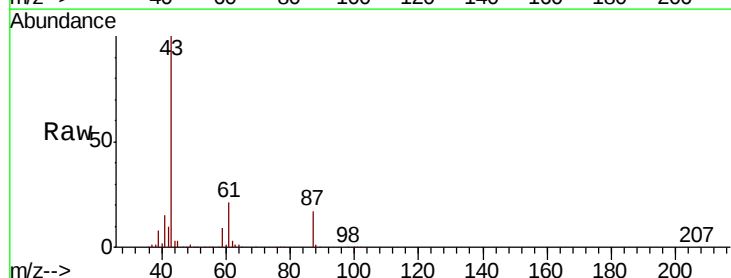
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

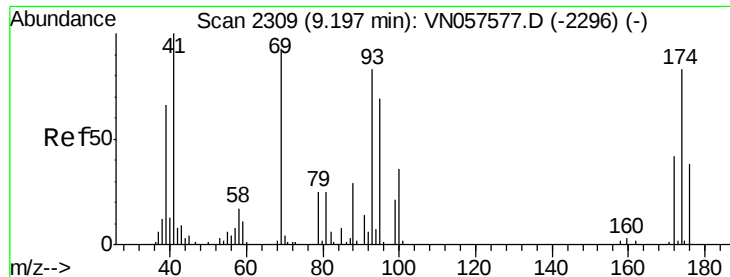
Tgt Ion: 43 Resp: 236018
Ion Ratio Lower Upper
43 100
45 13.8 9.9 14.9



#44
Isopropyl Acetate
Concen: 30.051 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 43 Resp: 471662
Ion Ratio Lower Upper
43 100
61 21.5 16.0 24.0

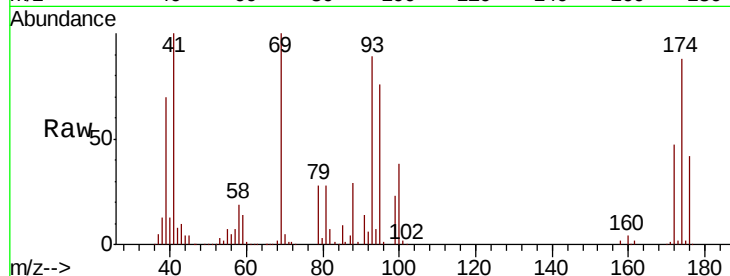




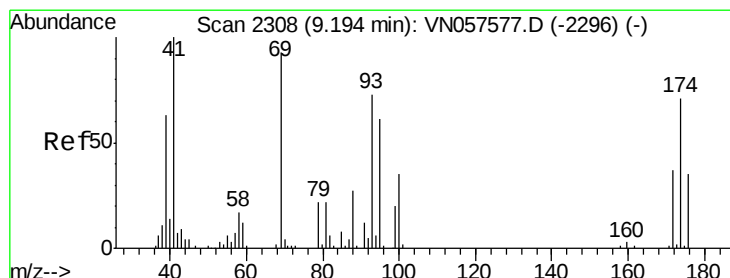
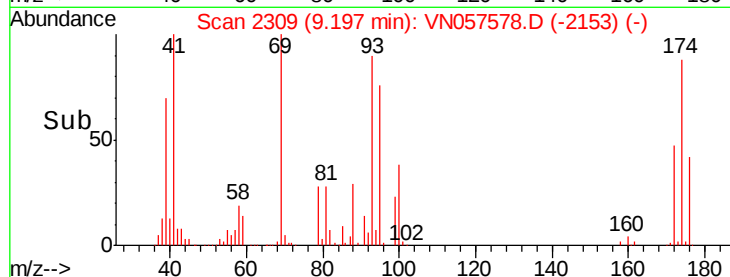
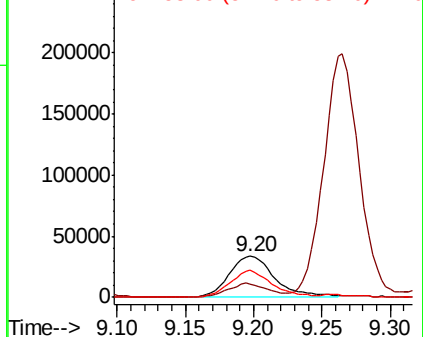
#45
 1,4-Dioxane
 Concen: 792.814 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 88 Resp: 78728
 Ion Ratio Lower Upper
 88 100
 43 27.9 18.2 27.4#
 58 60.3 45.0 67.6

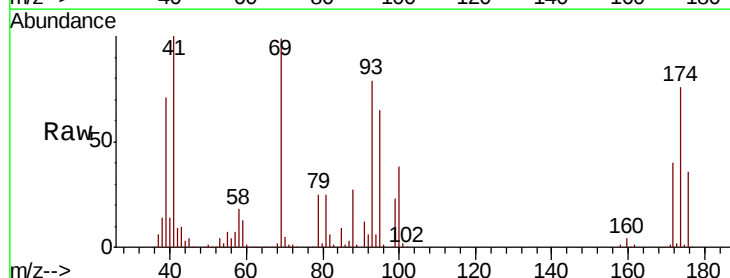


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

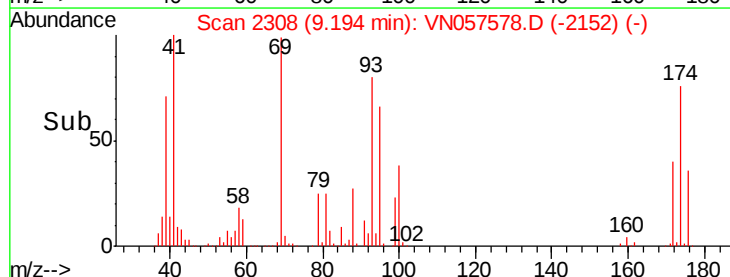
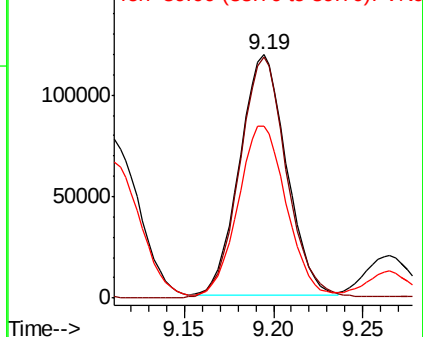


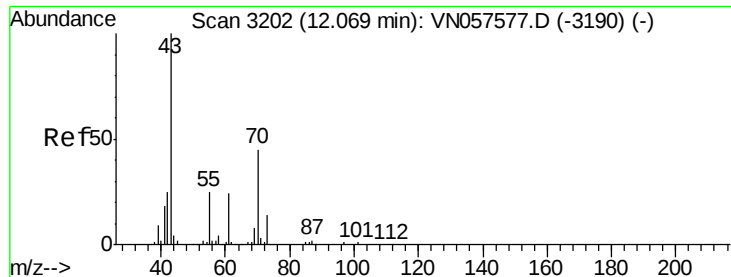
#46
 Methyl methacrylate
 Concen: 29.052 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 41 Resp: 217213
 Ion Ratio Lower Upper
 41 100
 69 99.7 46.4 139.1
 39 70.4 31.6 94.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

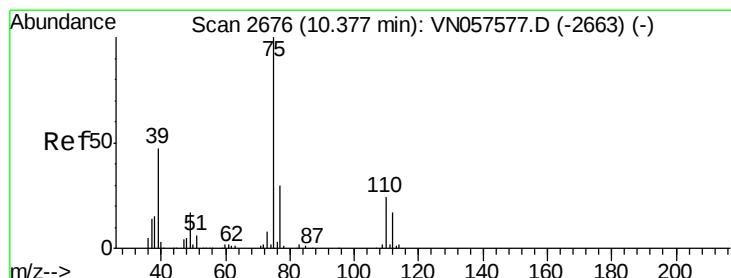
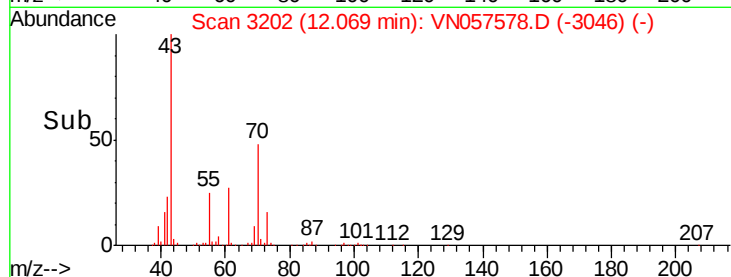
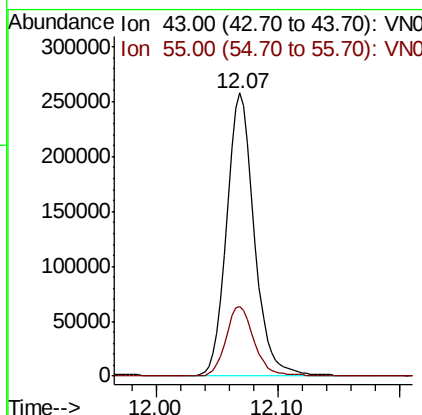
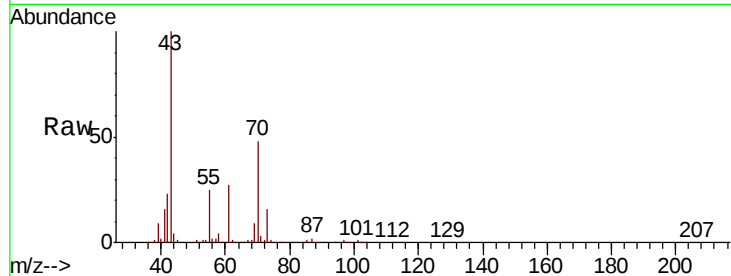




#47
n-amyl Acetate
Concen: 31.885 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

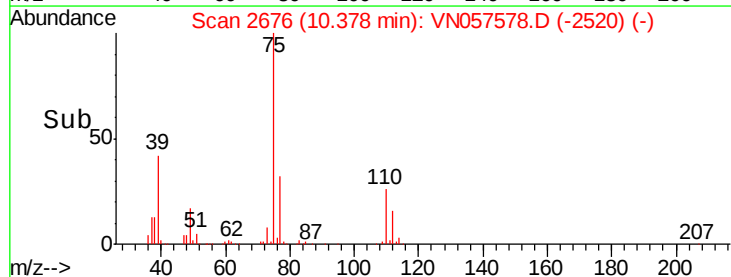
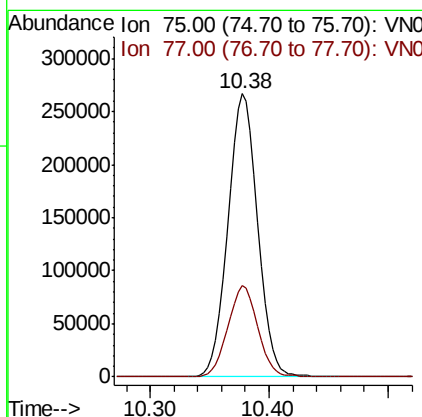
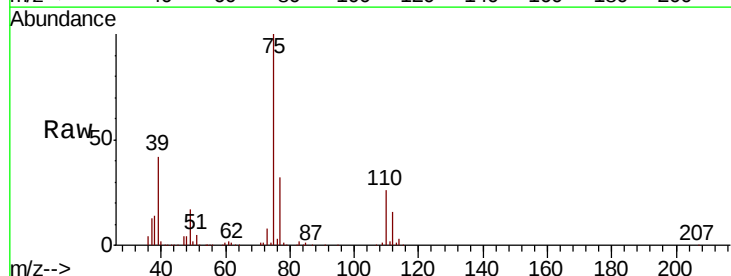
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

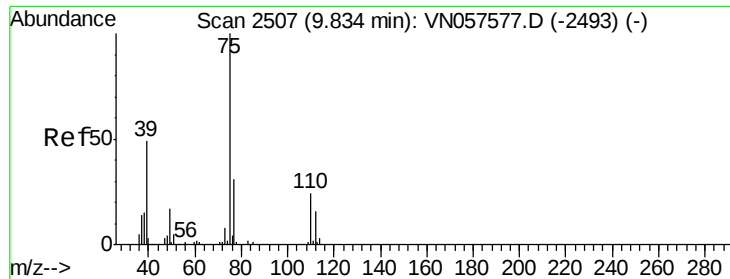
Tgt Ion: 43 Resp: 407846
Ion Ratio Lower Upper
43 100
55 25.4 20.2 30.2



#48
t-1,3-Dichloropropene
Concen: 43.574 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 75 Resp: 460559
Ion Ratio Lower Upper
75 100
77 32.1 23.8 35.6



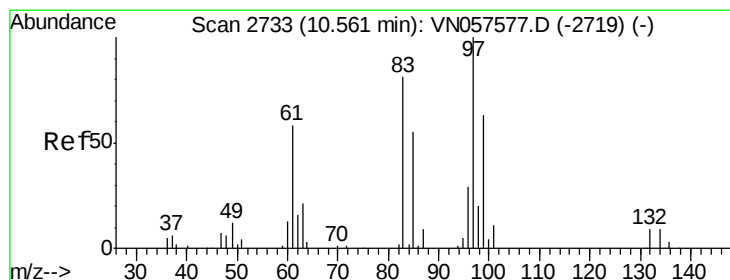
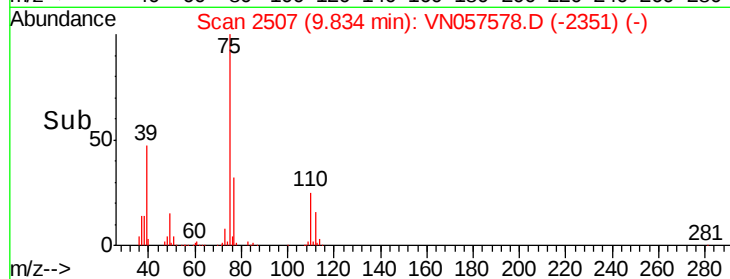
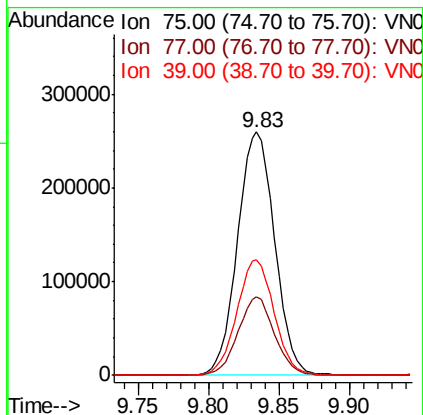
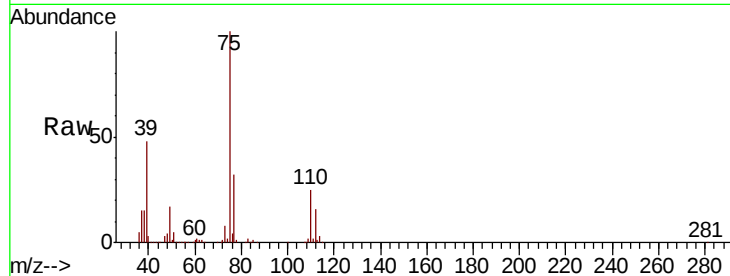


#49

cis-1,3-Dichloropropene
 Concen: 41.485 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

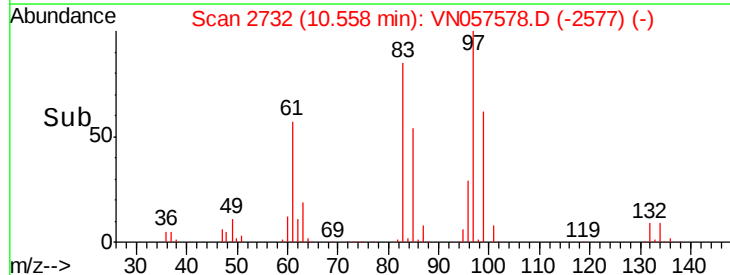
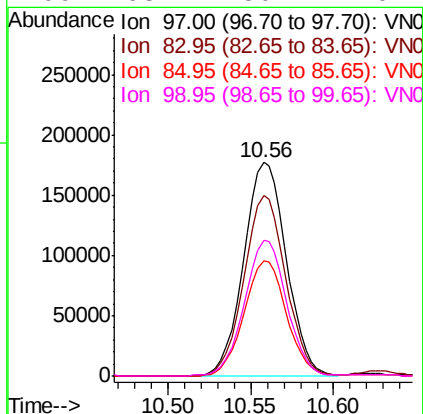
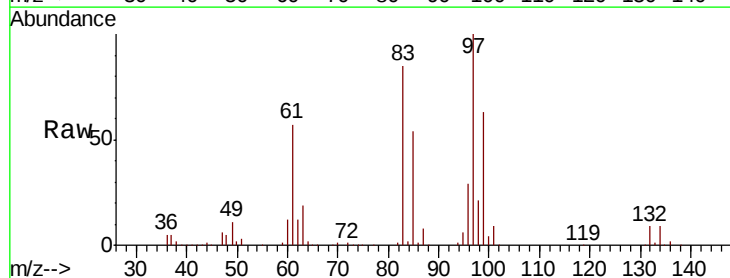
Tgt Ion:	75	Resp:	479895
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	47.6	39.0	58.4

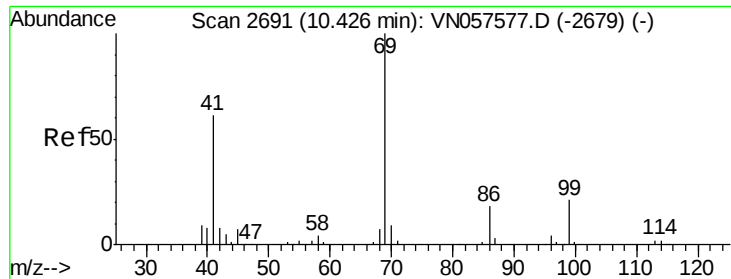


#50

1,1,2-Trichloroethane
 Concen: 50.185 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion:	97	Resp:	317004
Ion	Ratio	Lower	Upper
97	100		
83	84.7	65.1	97.7
85	53.9	43.7	65.5
99	63.1	50.7	76.1





#51

Ethyl methacrylate

Concen: 41.918 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

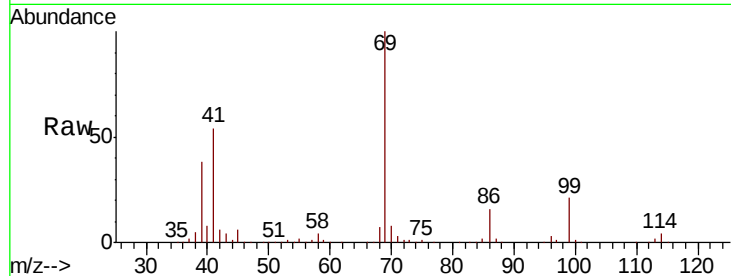
Tgt Ion: 69 Resp: 424963

Ion Ratio Lower Upper

69 100

41 53.3 30.6 92.0

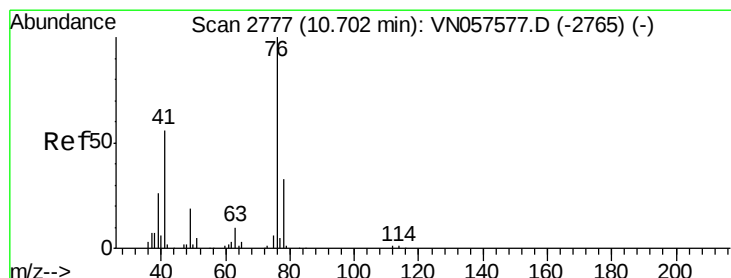
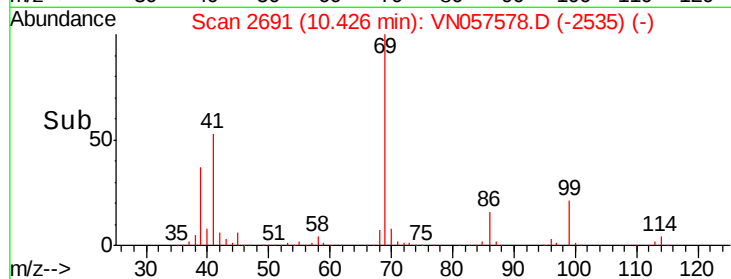
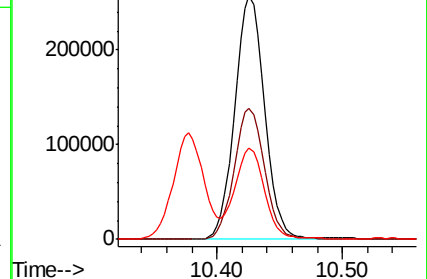
39 37.3 22.3 66.9



Abundance Ion 69.00 (68.70 to 69.70): VN057578.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN057578.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN057578.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 43.975 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057578.D

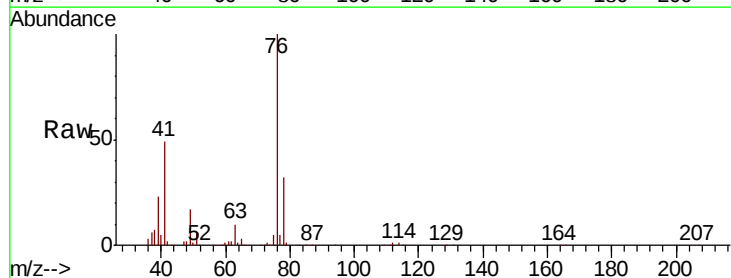
Acq: 30 Aug 2019 9:59

Tgt Ion: 76 Resp: 495444

Ion Ratio Lower Upper

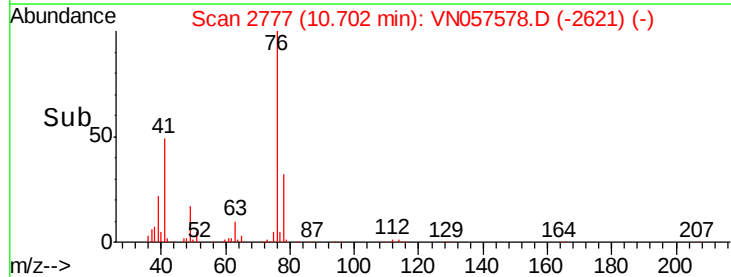
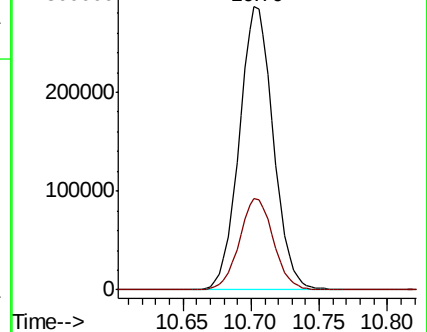
76 100

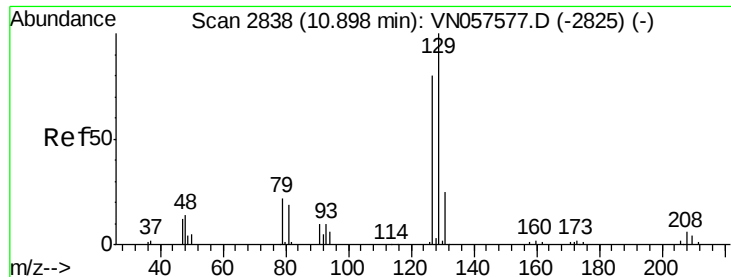
78 32.3 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN057578.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN057578.D (-2765) (-)

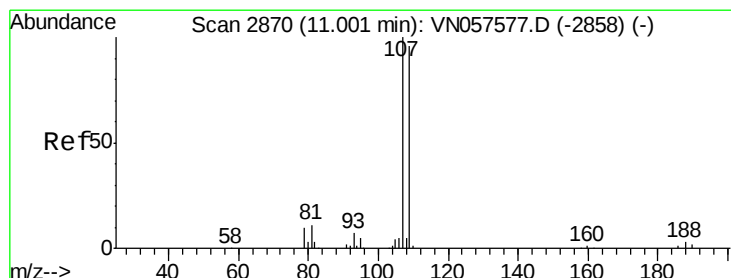
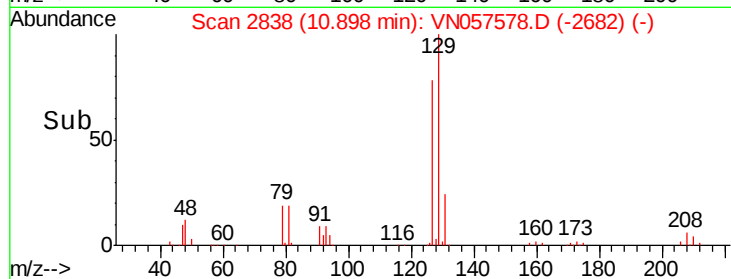
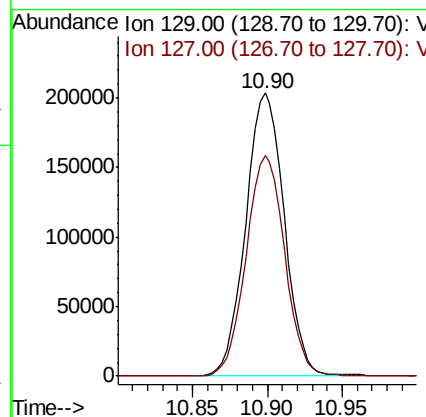
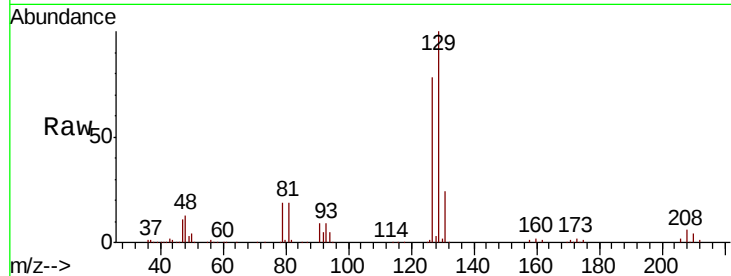




#53
Dibromochloromethane
Concen: 53.898 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

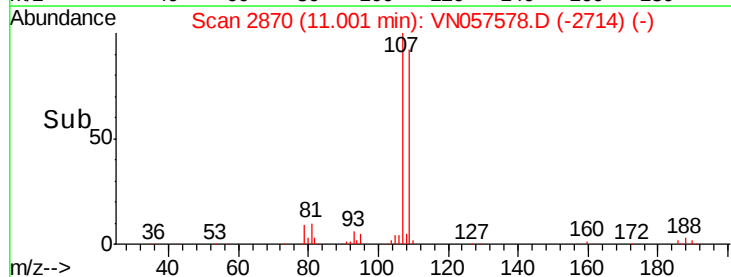
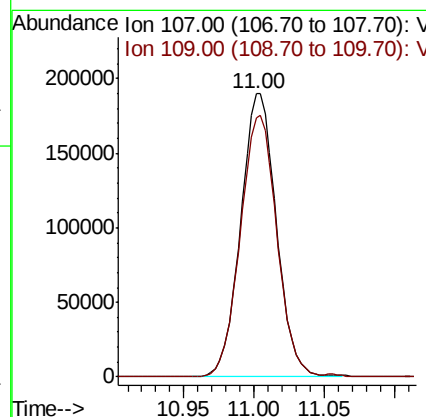
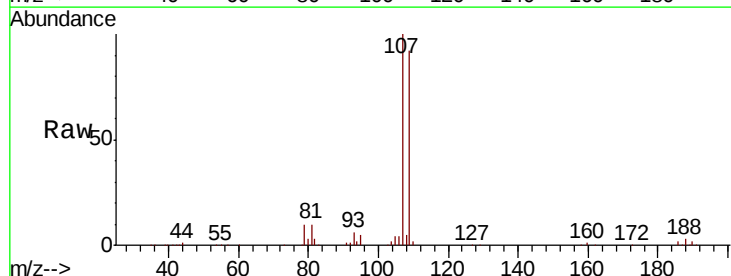
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

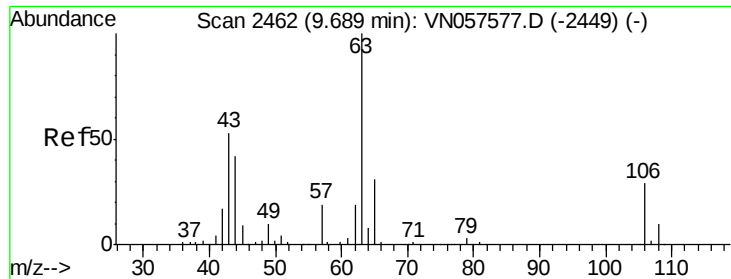
Tgt Ion:129 Resp: 365497
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7



#54
1,2-Dibromoethane
Concen: 51.645 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion:107 Resp: 336270
Ion Ratio Lower Upper
107 100
109 94.3 75.2 112.8

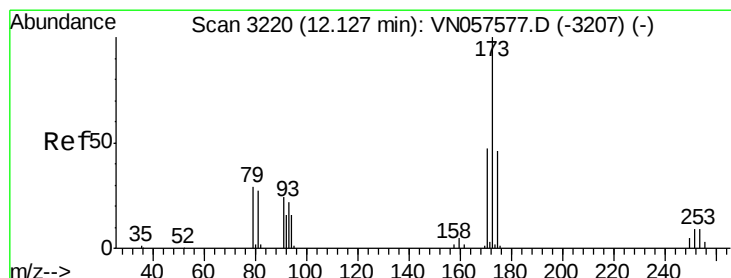
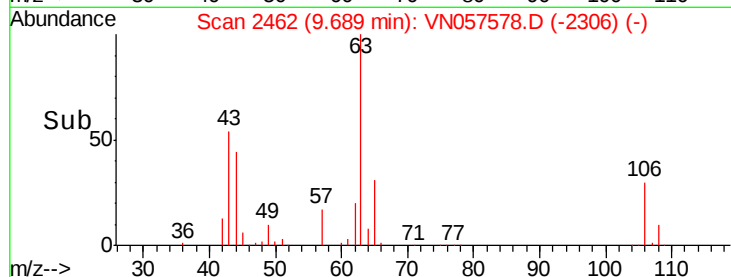
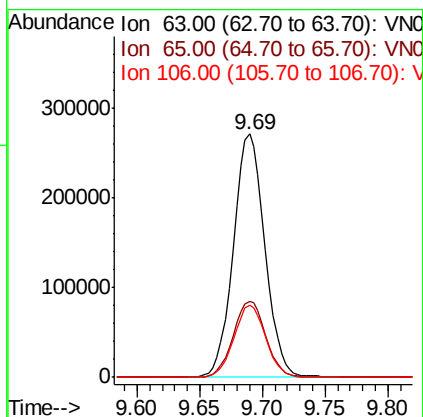
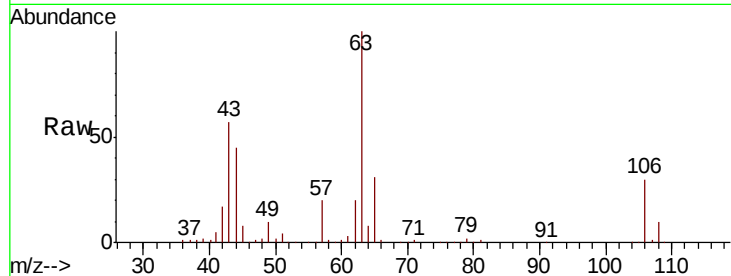




#55
 2-Chloroethyl vinyl ether
 Concen: 185.275 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

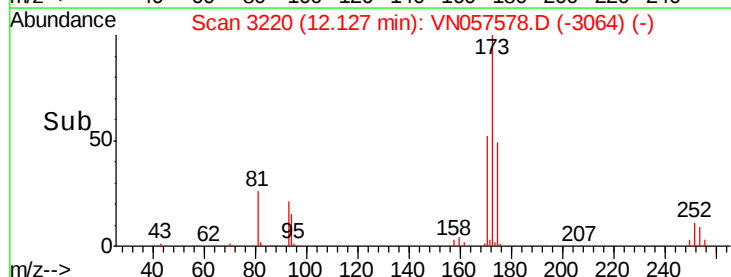
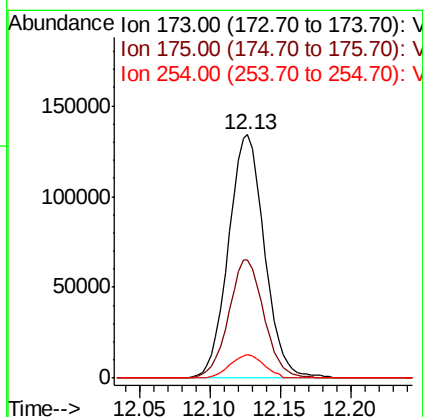
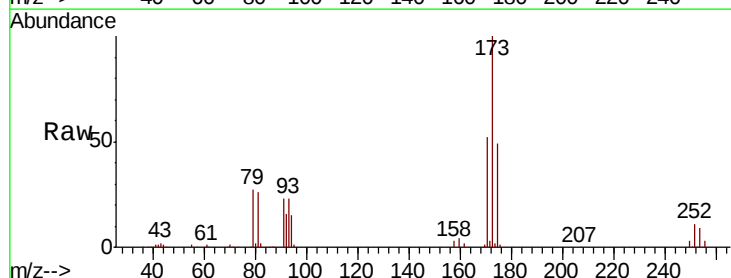
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

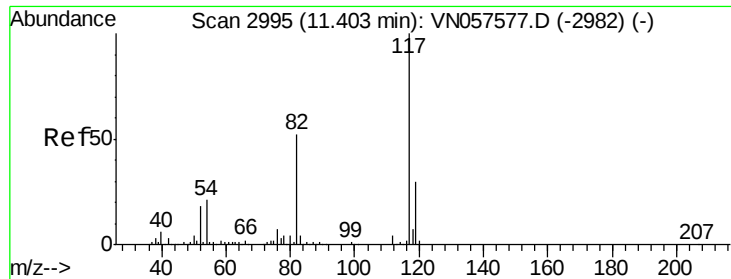
Tgt Ion: 63 Resp: 471024
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.4
 106 30.0 23.7 35.5



#56
 Bromoform
 Concen: 57.931 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 173 Resp: 239647
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.3 55.9
 254 9.0 2.2 3.2#

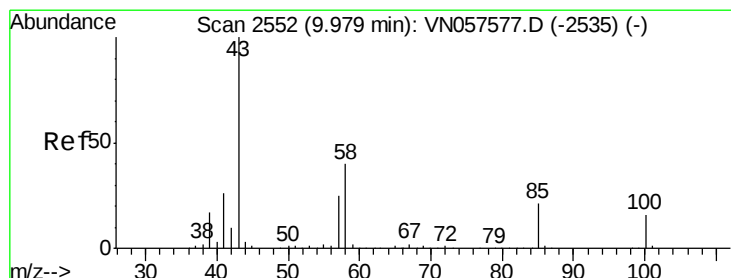
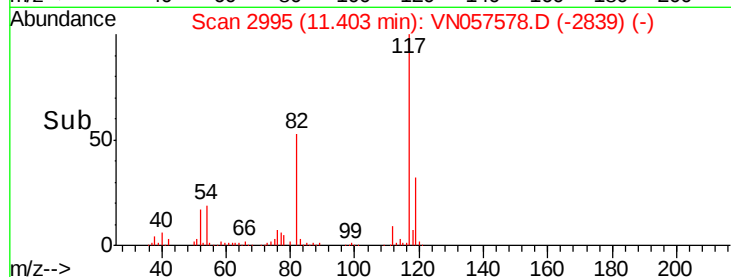
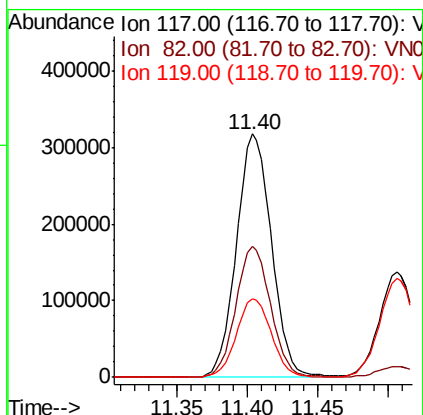
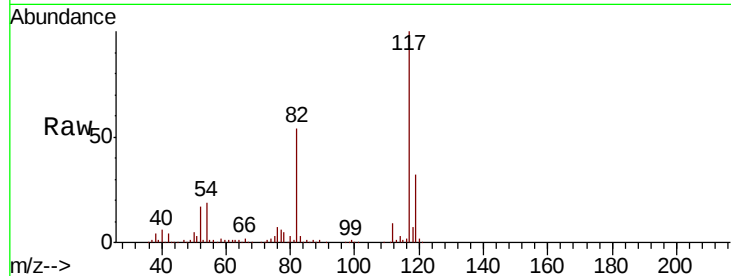




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

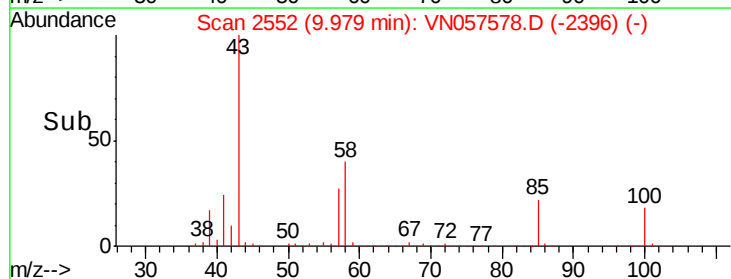
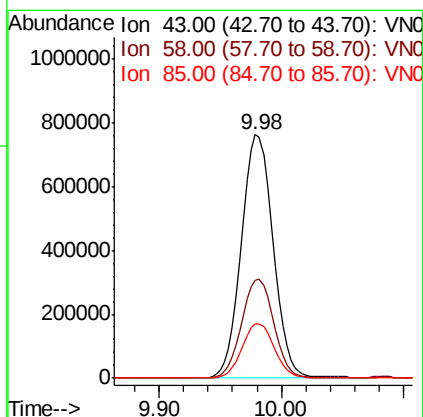
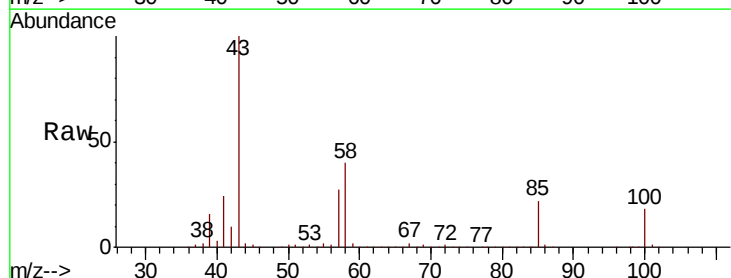
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

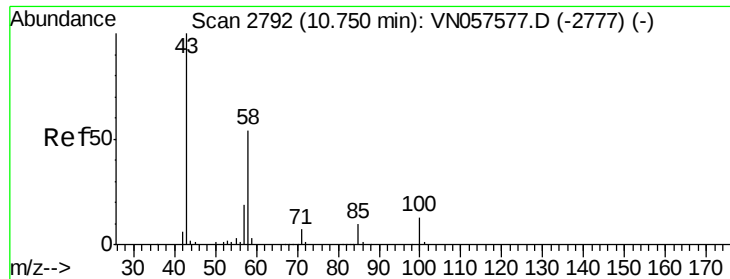
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	63.8
119	32.3	25.0	37.6



#58
4-Methyl-2-Pentanone
Concen: 138.214 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.1	48.1
85	22.7	16.6	24.8

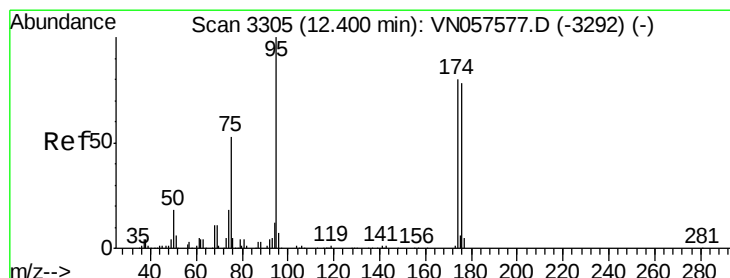
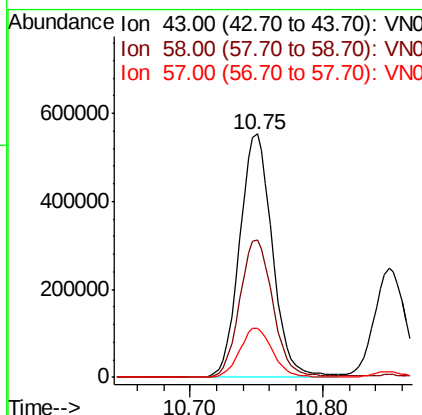
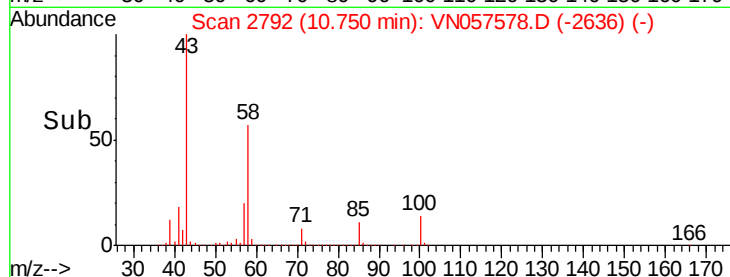
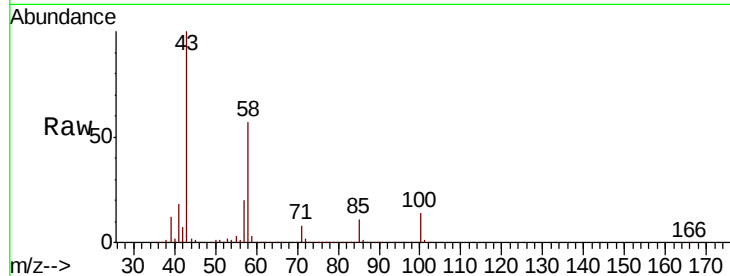




#59
2-Hexanone
Concen: 138.067 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

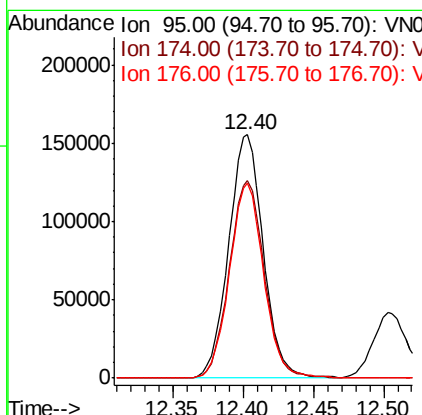
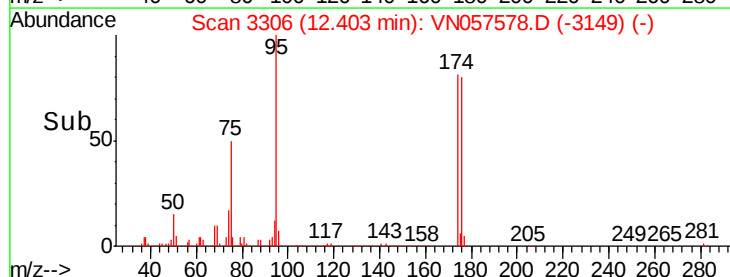
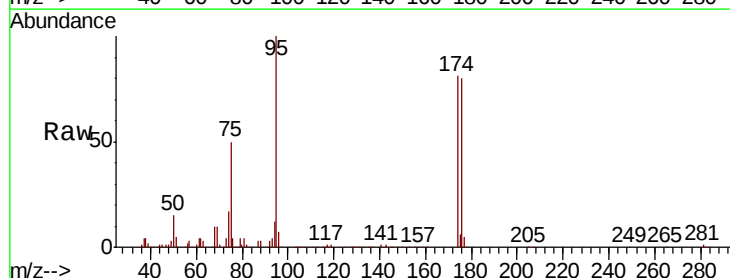
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

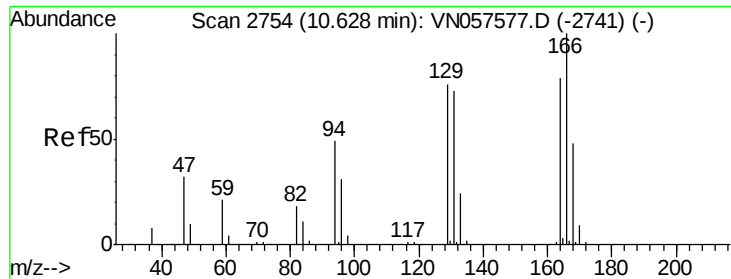
Tgt Ion: 43 Resp: 947123
Ion Ratio Lower Upper
43 100
58 57.6 42.9 64.3
57 20.6 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 29.590 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion: 95 Resp: 266833
Ion Ratio Lower Upper
95 100
174 82.0 66.2 99.2
176 79.3 65.0 97.6





#61

Tetrachloroethene

Concen: 50.995 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tgt Ion:164 Resp: 331266

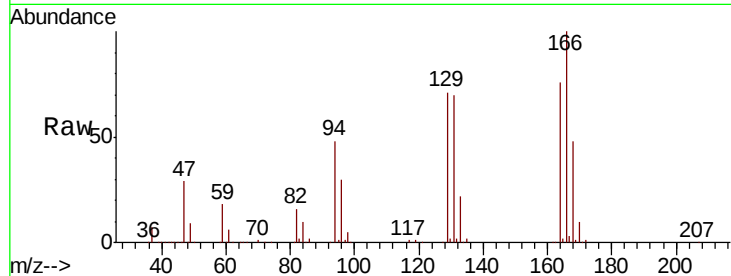
Ion Ratio Lower Upper

164 100

166 131.8 100.7 151.1

129 94.1 76.3 114.5

131 92.1 73.8 110.6

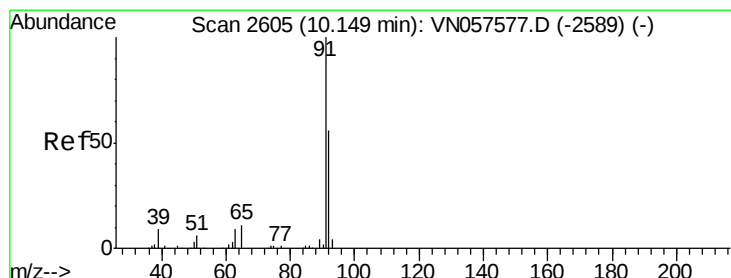
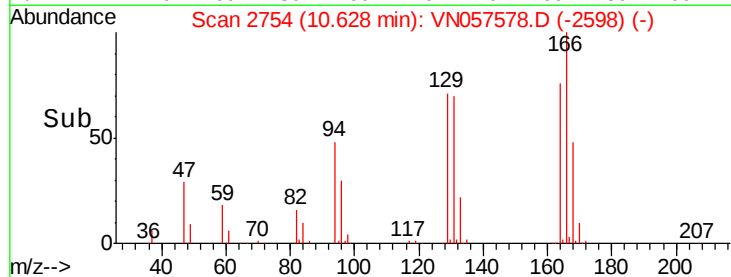
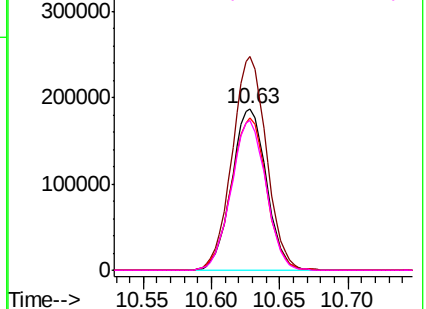


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 43.897 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057578.D

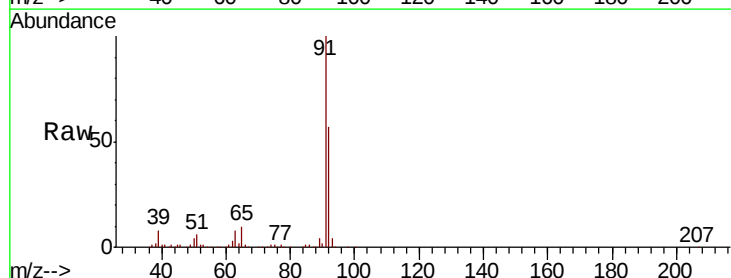
Acq: 30 Aug 2019 9:59

Tgt Ion: 91 Resp: 1450131

Ion Ratio Lower Upper

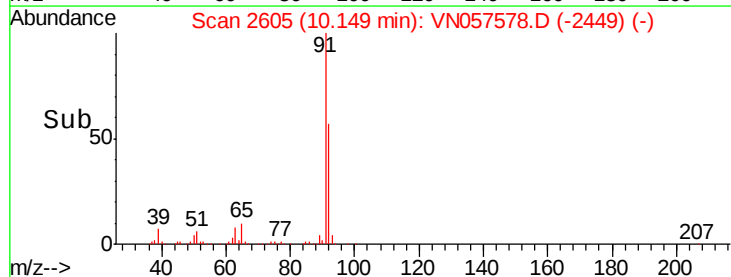
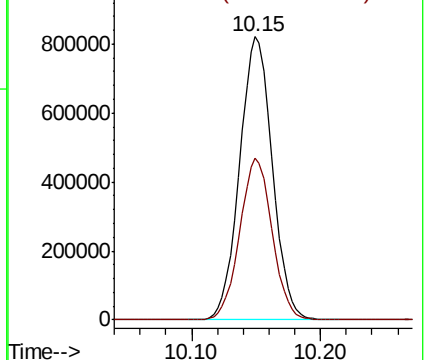
91 100

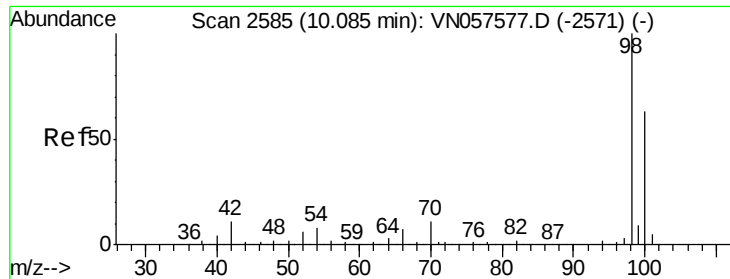
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 27.391 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

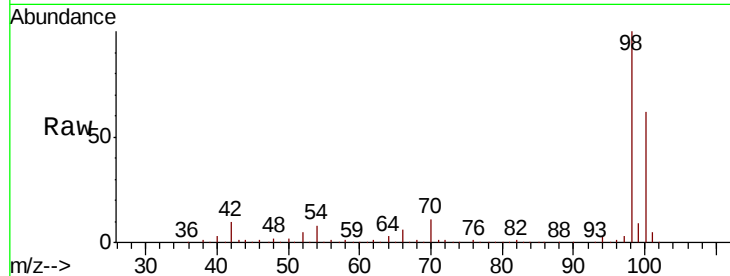
VSTDIC050

Tgt Ion: 98 Resp: 751974

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN057577.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN057578.D (-2429) (-)

10.08

400000

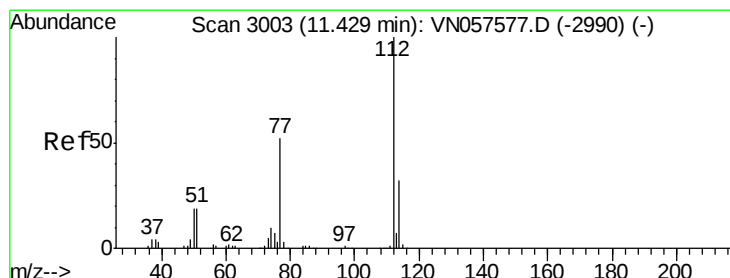
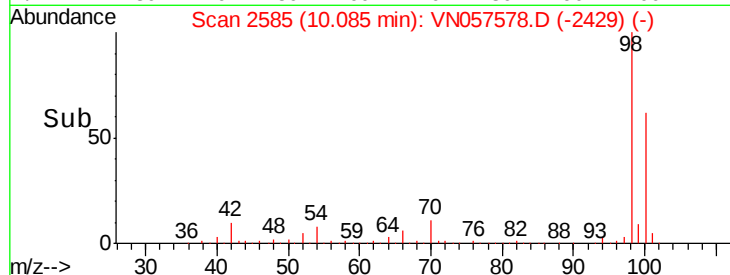
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 49.317 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057578.D

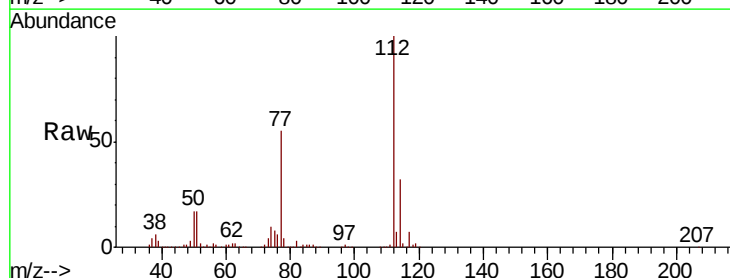
Acq: 30 Aug 2019 9:59

Tgt Ion: 112 Resp: 909305

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VN057577.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057578.D (-2847) (-)

11.43

600000

500000

400000

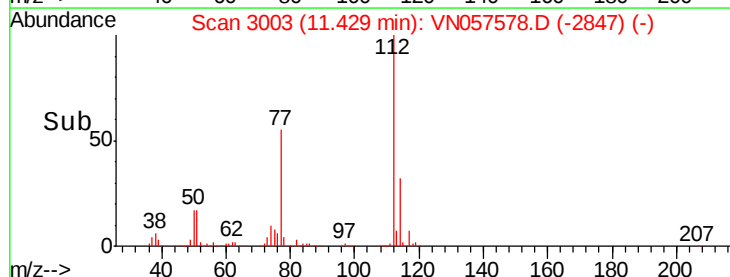
300000

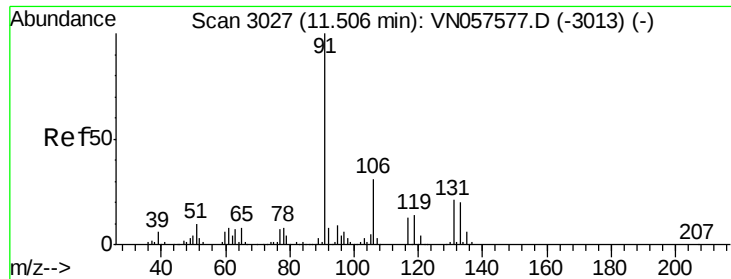
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 50.990 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

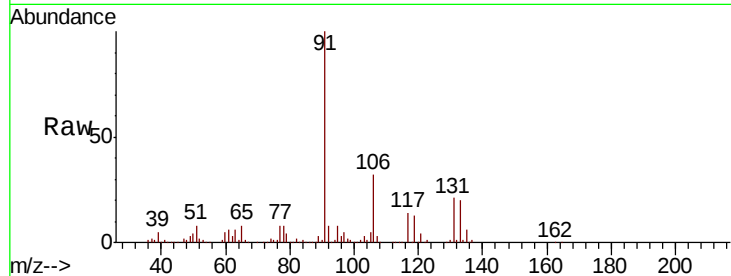
Tgt Ion: 131 Resp: 357206

Ion Ratio Lower Upper

131 100

133 94.3 0.0 186.0

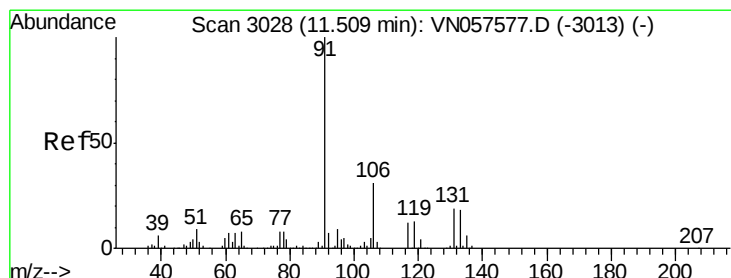
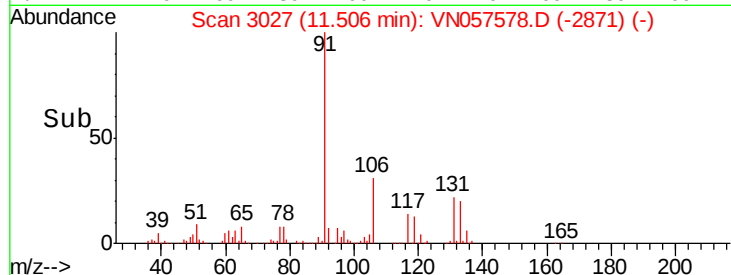
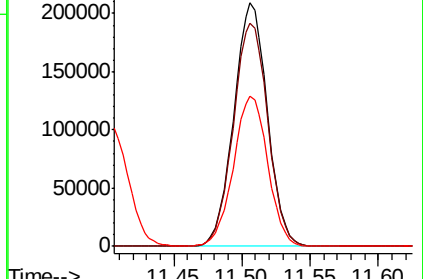
119 62.7 0.0 134.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 46.547 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057578.D

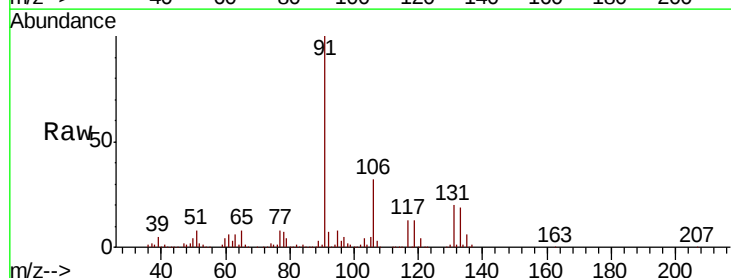
Acq: 30 Aug 2019 9:59

Tgt Ion: 91 Resp: 1657424

Ion Ratio Lower Upper

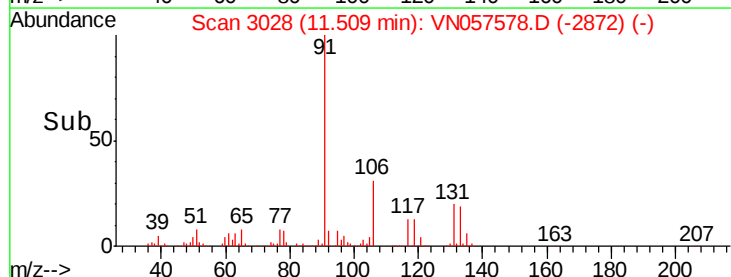
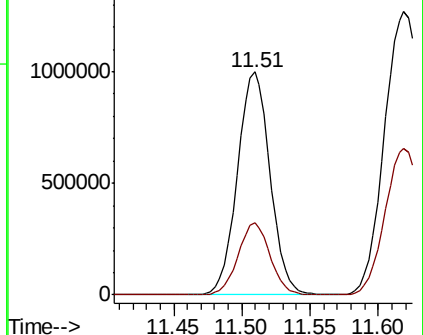
91 100

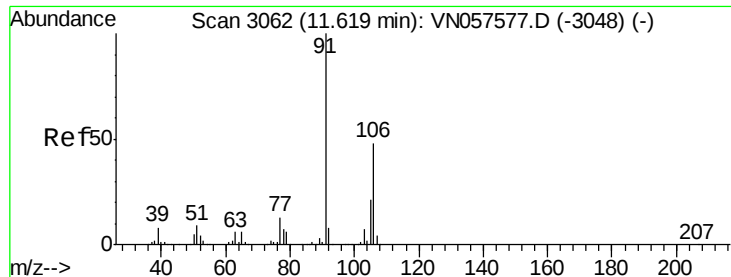
106 32.1 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 101.128 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

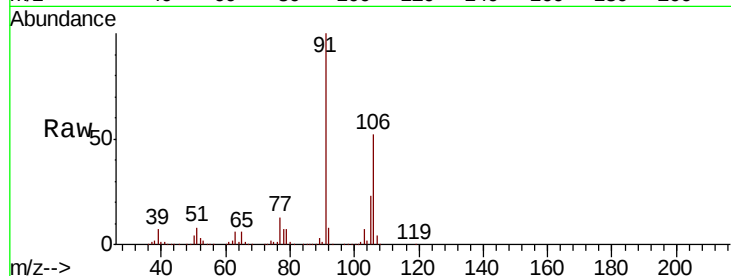
VSTDIC050

Tgt Ion:106 Resp: 1269906

Ion Ratio Lower Upper

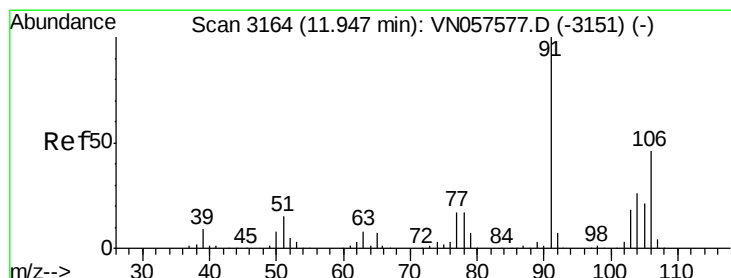
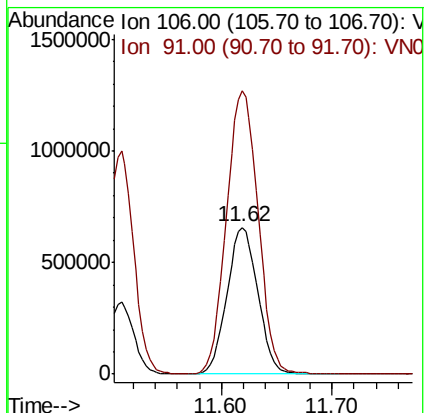
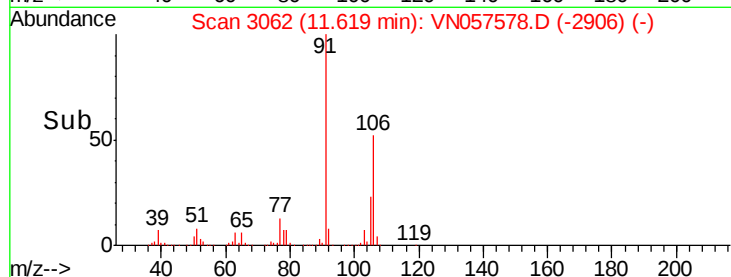
106 100

91 199.2 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 49.711 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057578.D

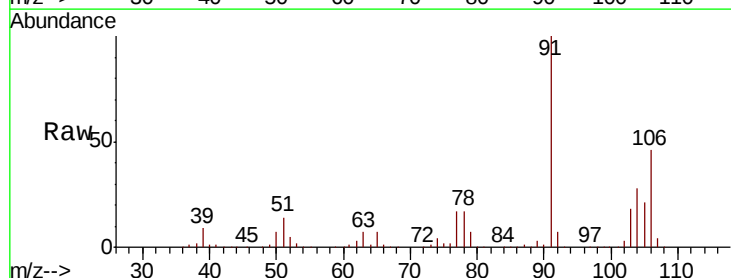
Acq: 30 Aug 2019 9:59

Tgt Ion:106 Resp: 614199

Ion Ratio Lower Upper

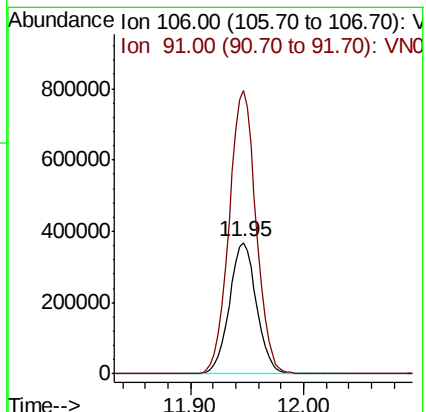
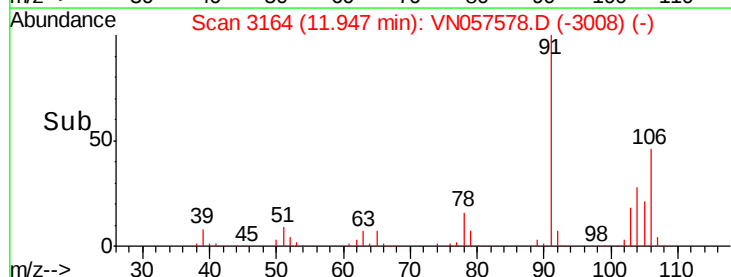
106 100

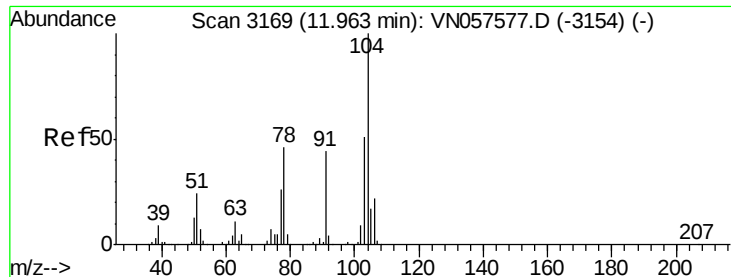
91 214.7 107.8 323.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

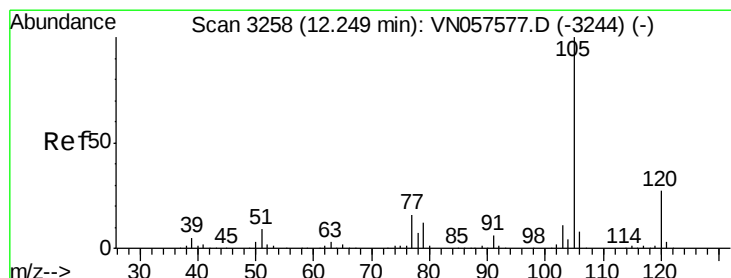
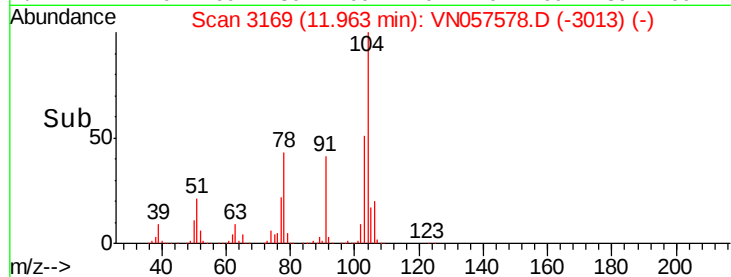
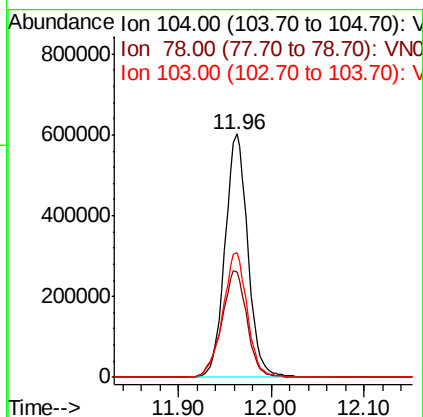
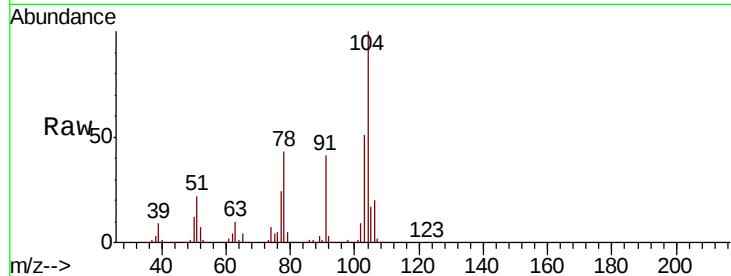




#69
Styrene
Concen: 51.532 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

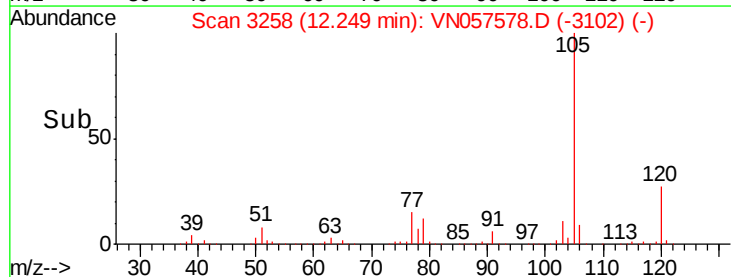
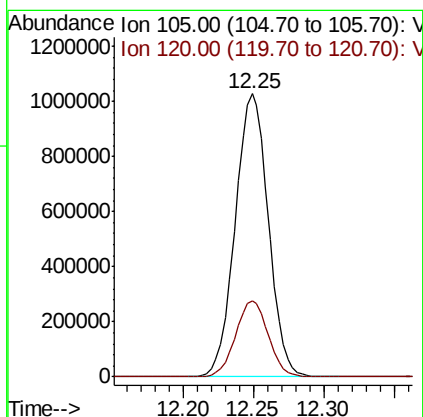
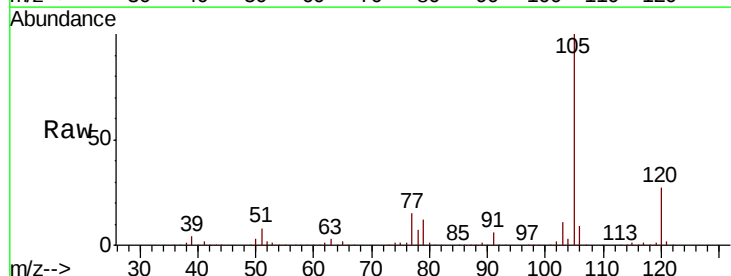
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

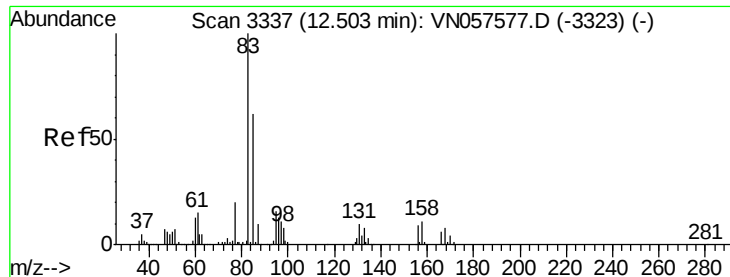
Tgt Ion:104 Resp: 1027825
Ion Ratio Lower Upper
104 100
78 48.5 41.4 62.0
103 54.9 44.8 67.2



#70
Isopropylbenzene
Concen: 50.519 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion:105 Resp: 1687558
Ion Ratio Lower Upper
105 100
120 26.7 18.7 34.7

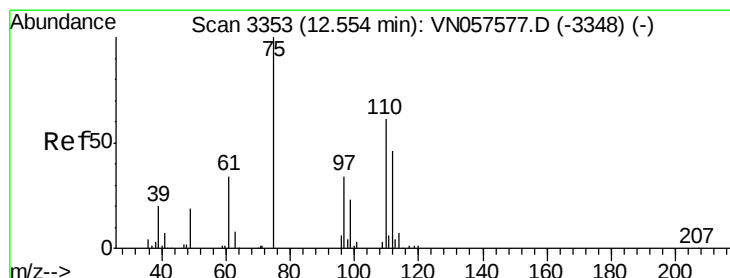
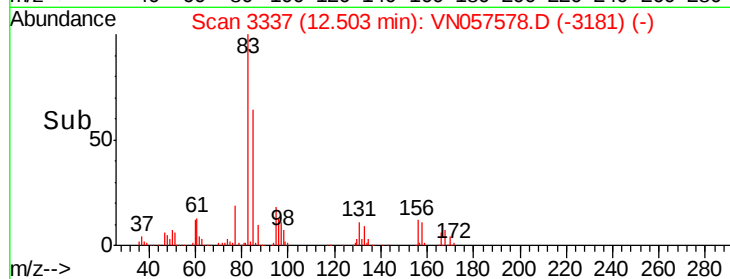
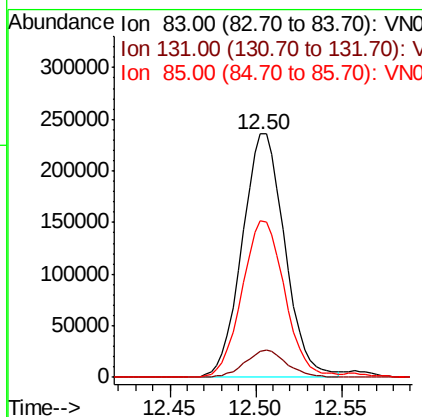
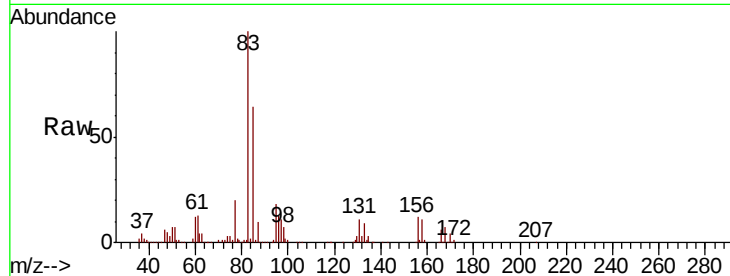




#71
 1,1,2,2-Tetrachloroethane
 Concen: 43.424 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

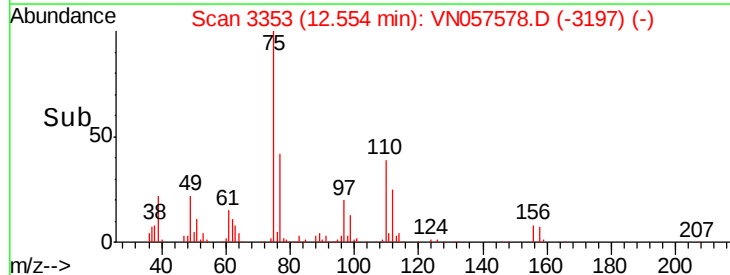
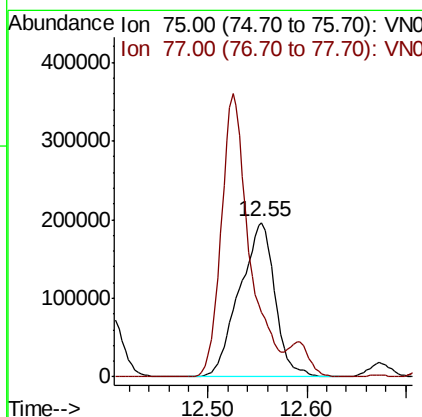
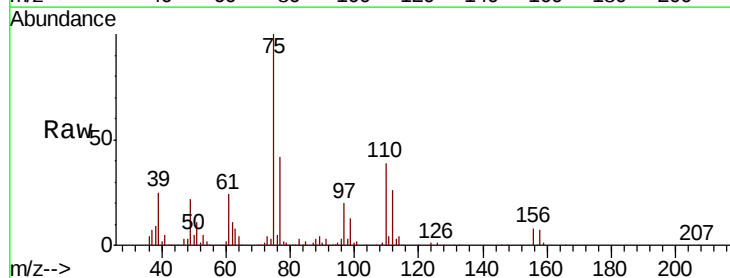
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

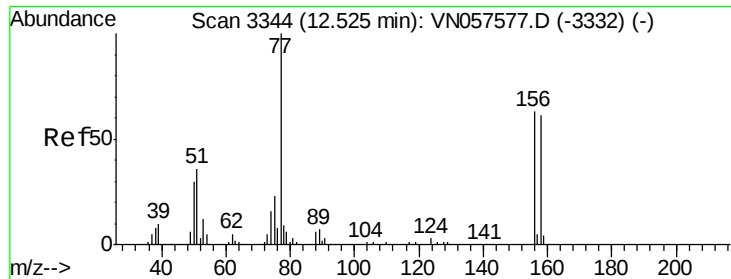
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.3	31.6	94.8



#72
 1,2,3-Trichloropropane
 Concen: 57.863 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	146.7	0.0	399.2





#73

Bromobenzene

Concen: 56.892 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

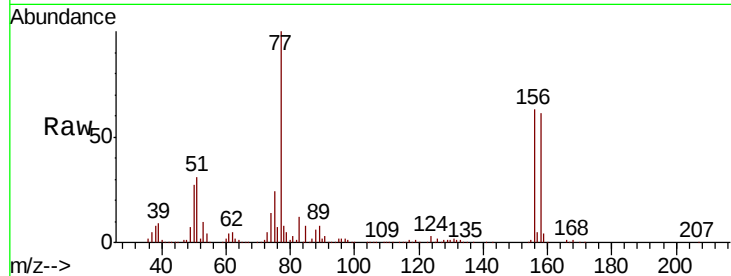
Tgt Ion:156 Resp: 394327

Ion Ratio Lower Upper

156 100

77 181.3 0.0 374.6

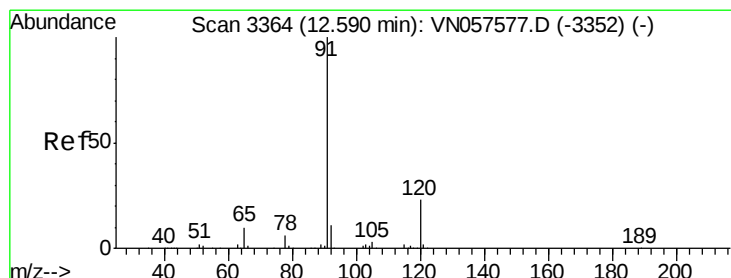
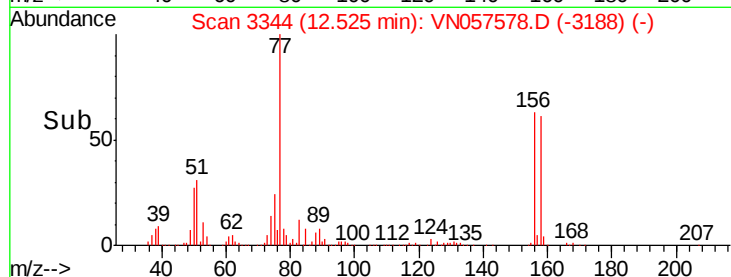
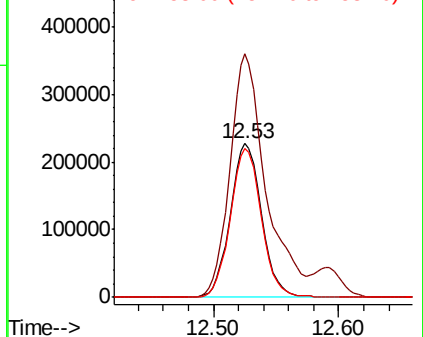
158 96.3 0.0 197.4



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: 48.369 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057578.D

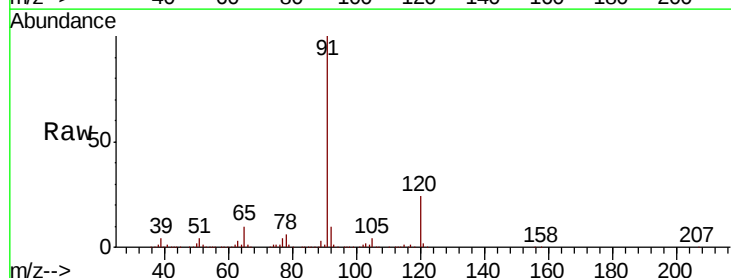
Acq: 30 Aug 2019 9:59

Tgt Ion: 91 Resp: 1817636

Ion Ratio Lower Upper

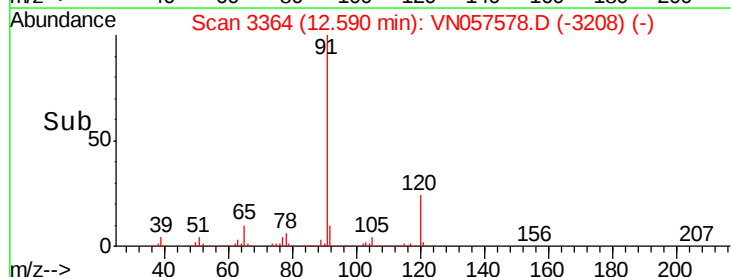
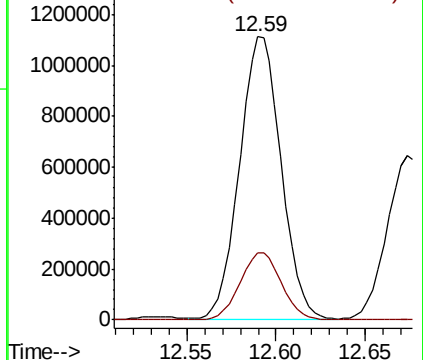
91 100

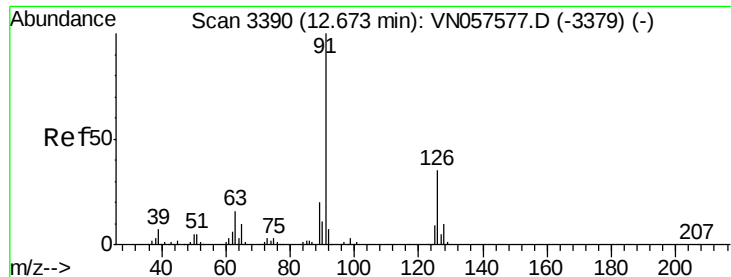
120 23.6 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 49.377 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

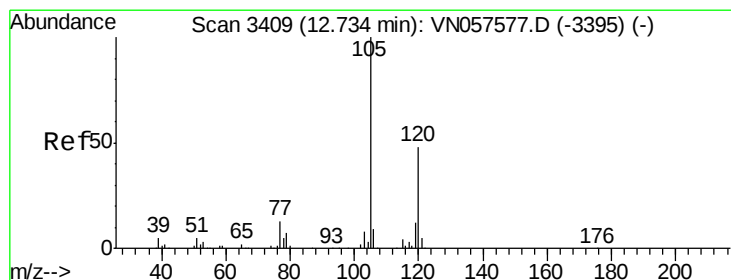
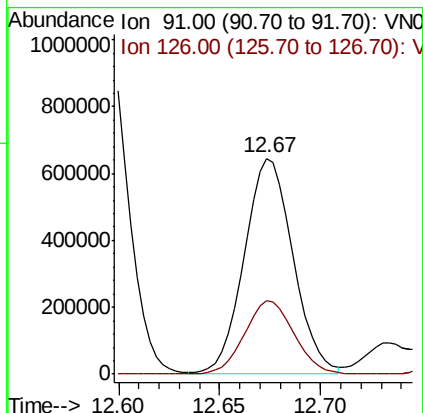
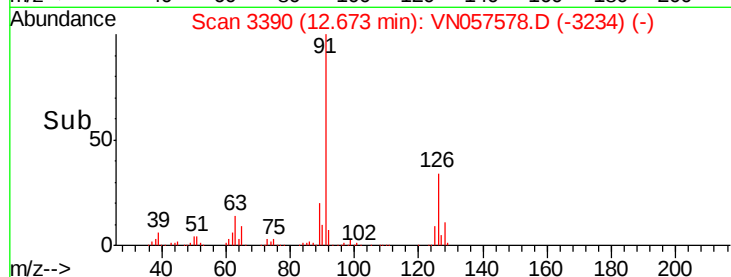
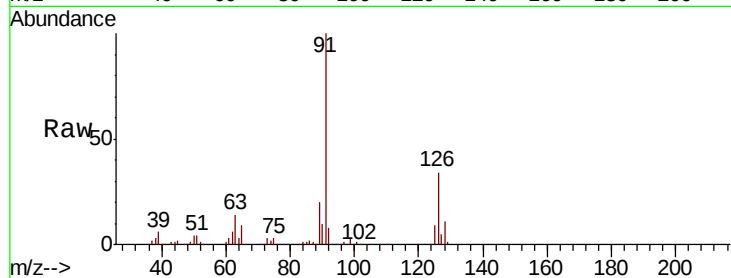
VSTDIC050

Tgt Ion: 91 Resp: 1092210

Ion Ratio Lower Upper

91 100

126 34.5 0.0 70.4



#76

1,3,5-Trimethylbenzene

Concen: 52.353 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057578.D

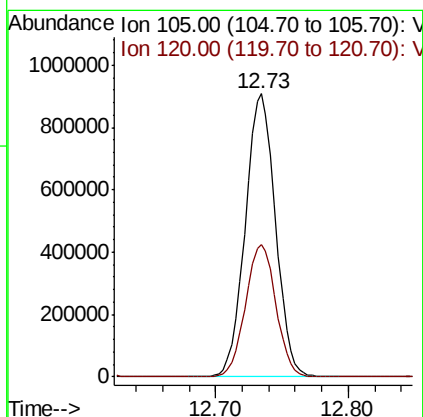
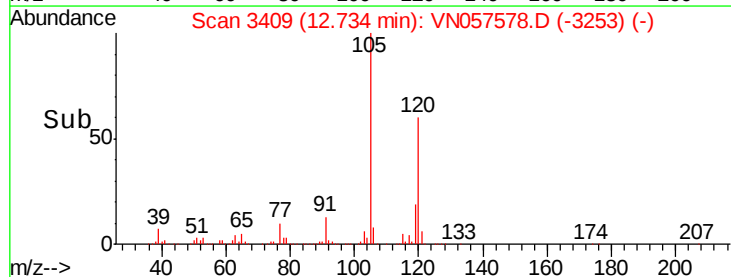
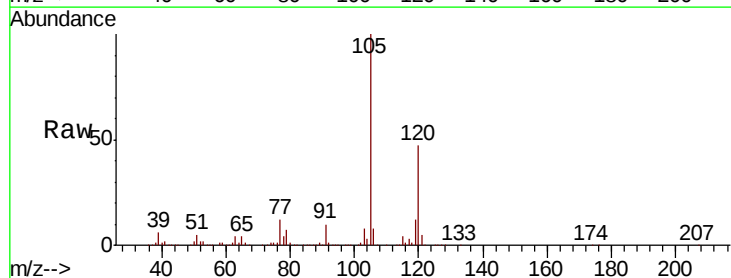
Acq: 30 Aug 2019 9:59

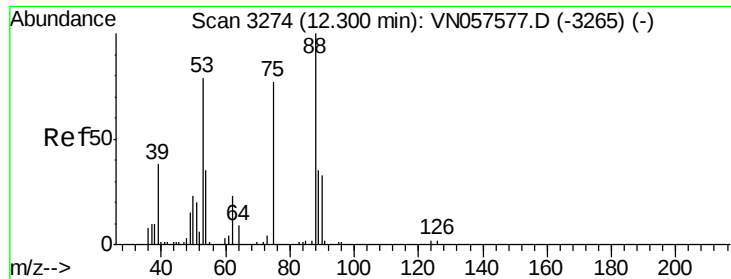
Tgt Ion: 105 Resp: 1435675

Ion Ratio Lower Upper

105 100

120 47.1 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 38.239 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

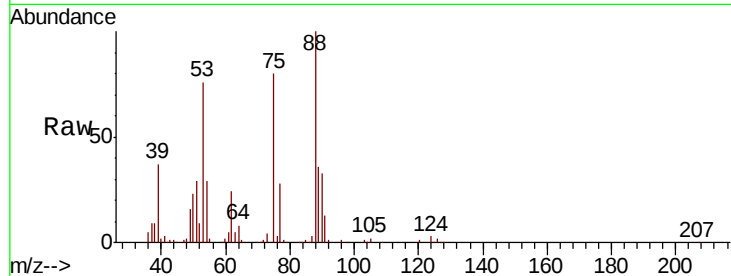
Tgt Ion: 75 Resp: 110755

Ion Ratio Lower Upper

75 100

53 95.1 52.8 158.4

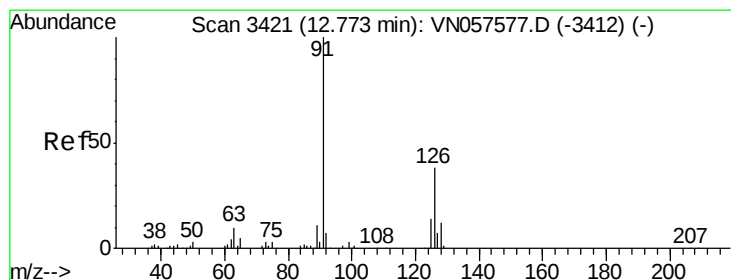
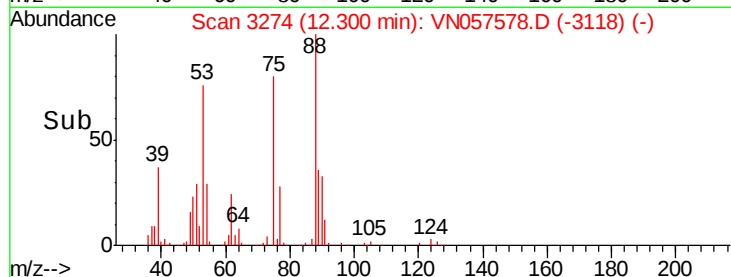
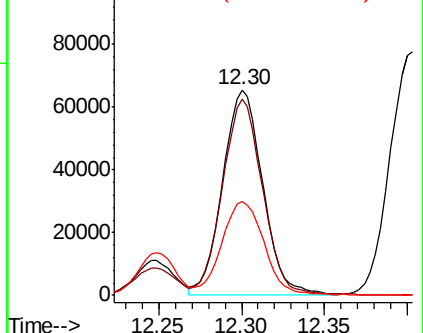
89 44.9 23.2 69.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 50.059 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057578.D

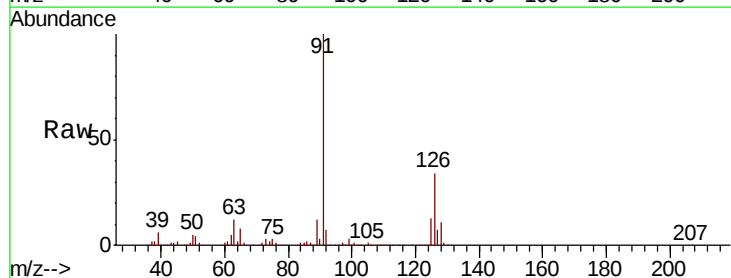
Acq: 30 Aug 2019 9:59

Tgt Ion: 91 Resp: 1061972

Ion Ratio Lower Upper

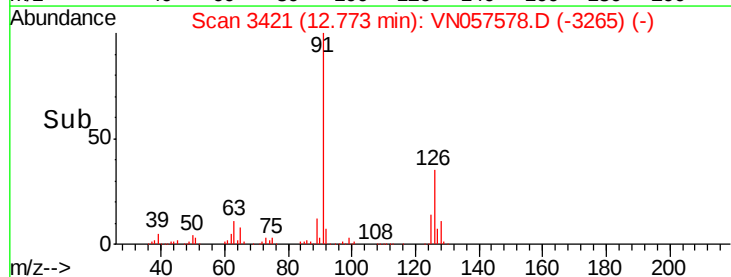
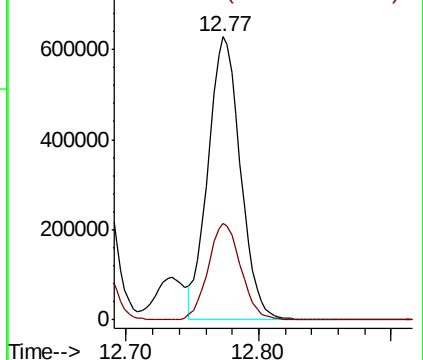
91 100

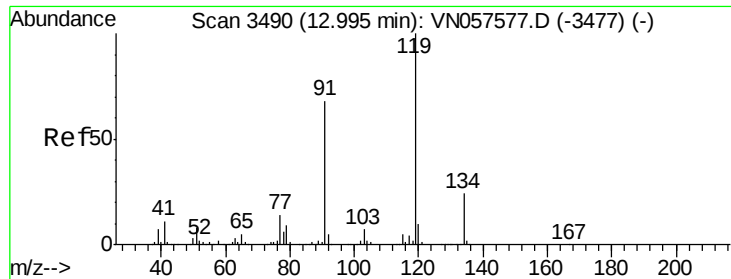
126 34.4 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

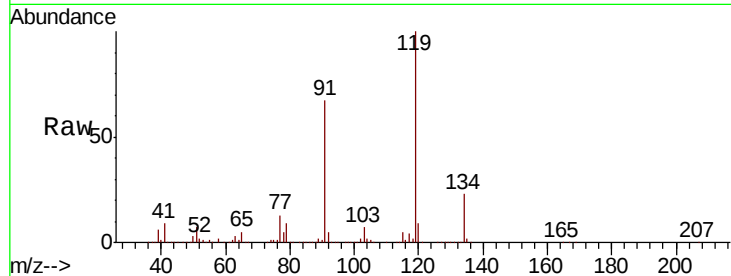




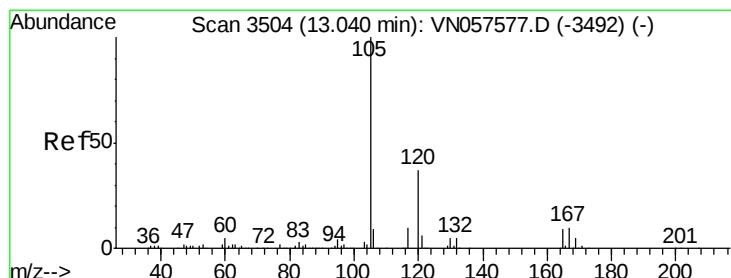
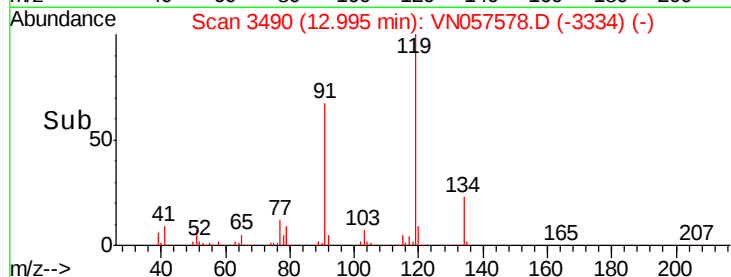
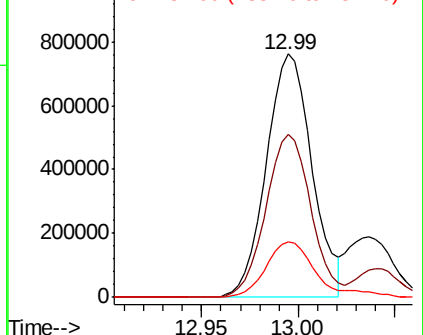
#79
tert-butylbenzene
Concen: 53.136 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 1252368
Ion Ratio Lower Upper
119 100
91 66.2 0.0 137.6
134 23.6 0.0 47.8

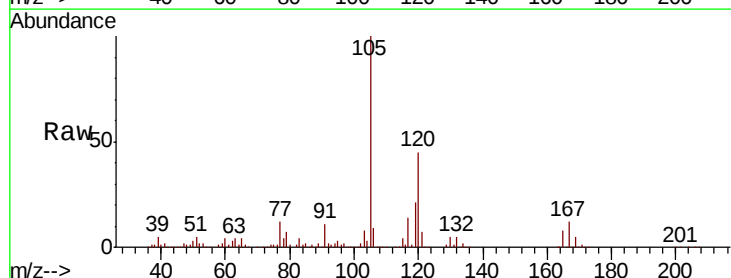


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

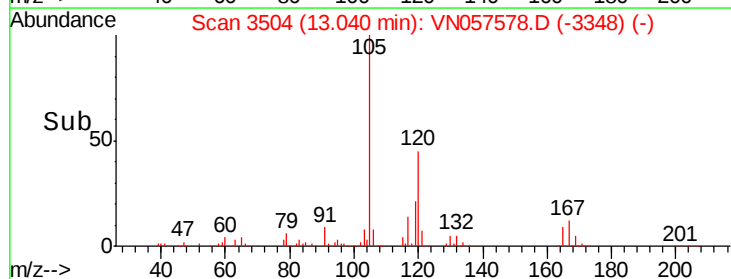
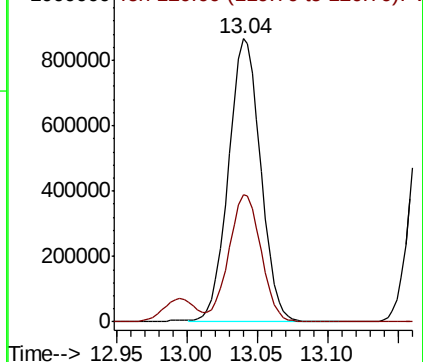


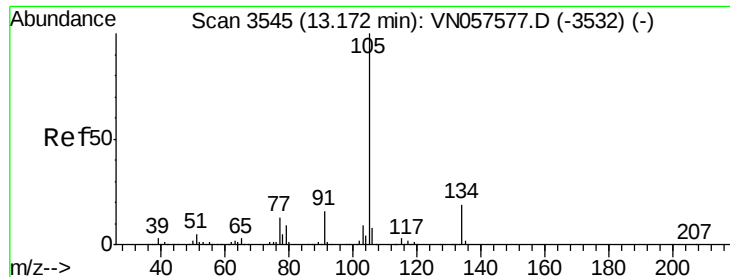
#80
1,2,4-Trimethylbenzene
Concen: 53.561 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion:105 Resp: 1380692
Ion Ratio Lower Upper
105 100
120 45.1 0.0 87.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

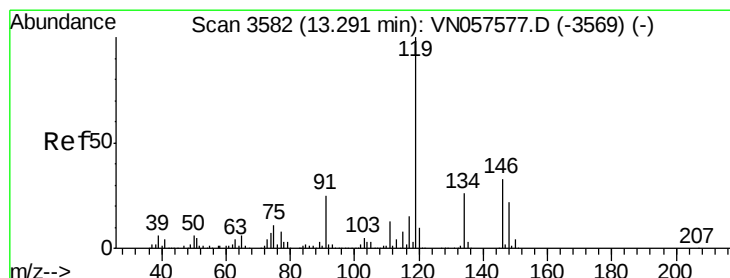
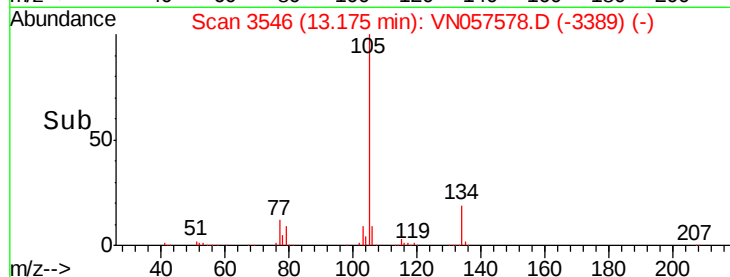
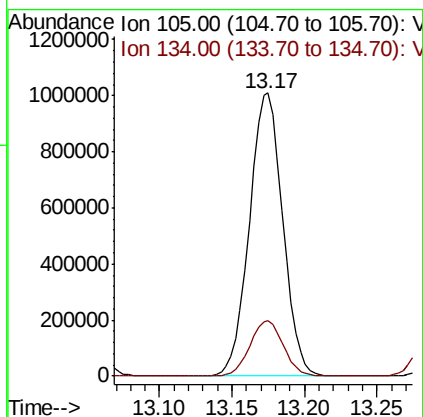
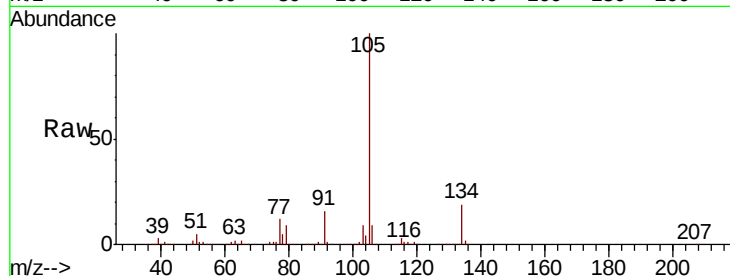




#81
 sec-Butylbenzene
 Concen: 52.280 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

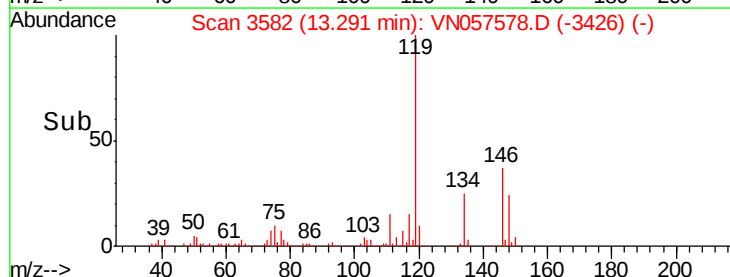
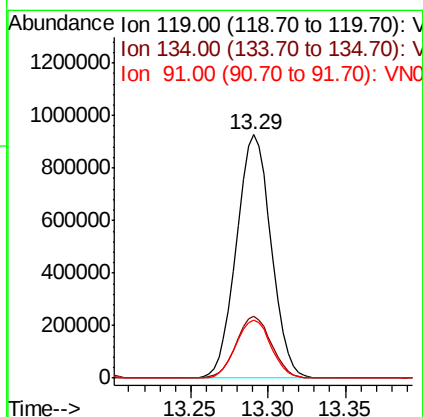
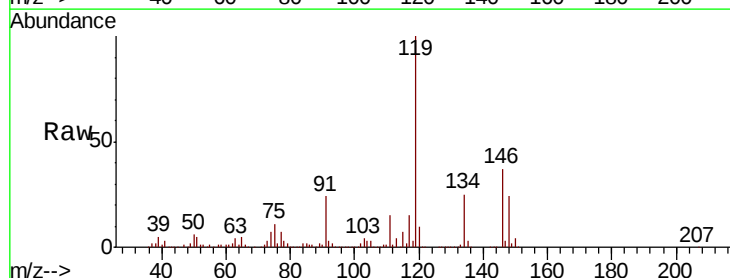
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

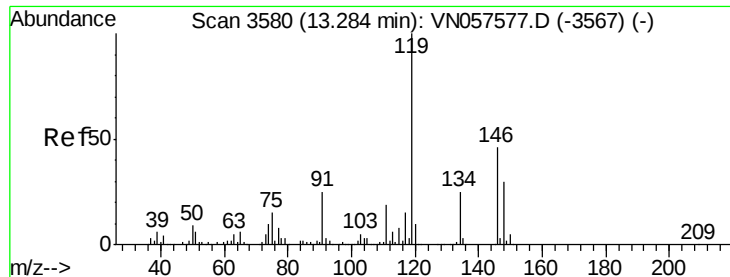
Tgt Ion:105 Resp: 1615783
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 54.806 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion:119 Resp: 1444206
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.6
 91 24.3 0.0 50.8





#83

1,3-Dichlorobenzene

Concen: 60.899 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

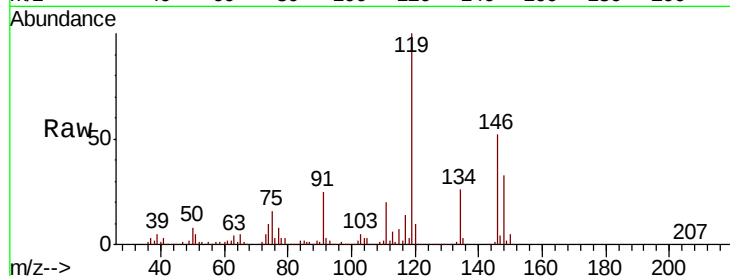
Tgt Ion:146 Resp: 661602

Ion Ratio Lower Upper

146 100

111 39.2 20.0 60.0

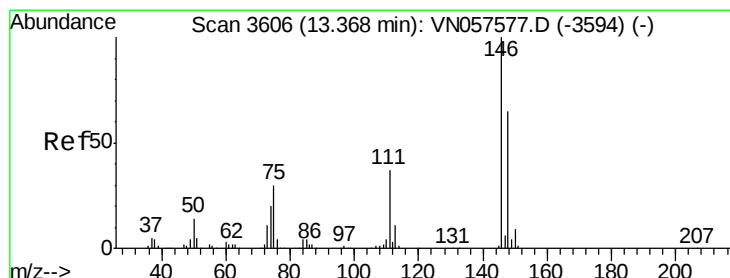
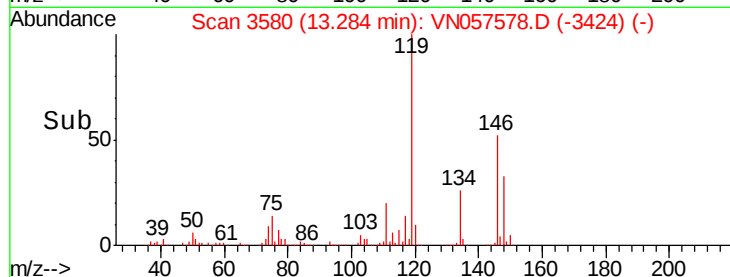
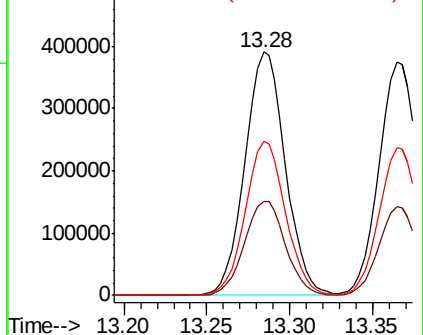
148 62.9 32.3 96.9



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



#84

1,4-Dichlorobenzene

Concen: 59.775 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

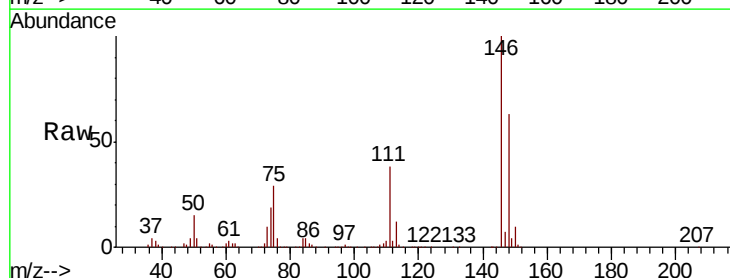
Tgt Ion:146 Resp: 632412

Ion Ratio Lower Upper

146 100

111 37.6 19.3 57.9

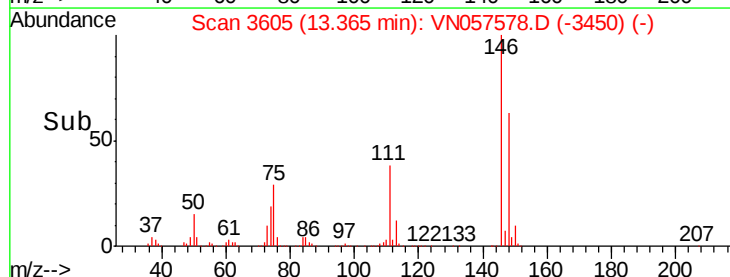
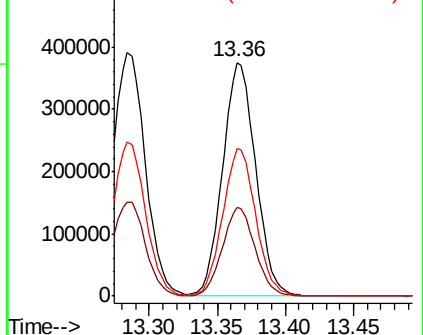
148 63.0 32.2 96.6

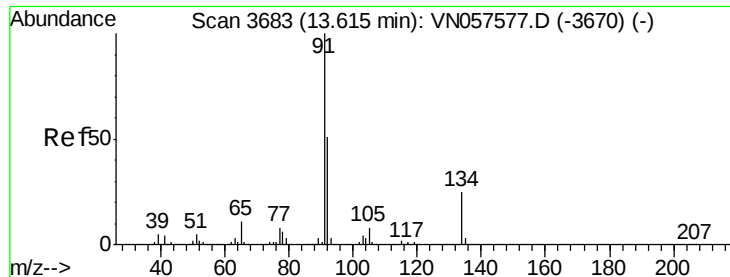


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 50.166 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057578.D

Acq: 30 Aug 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

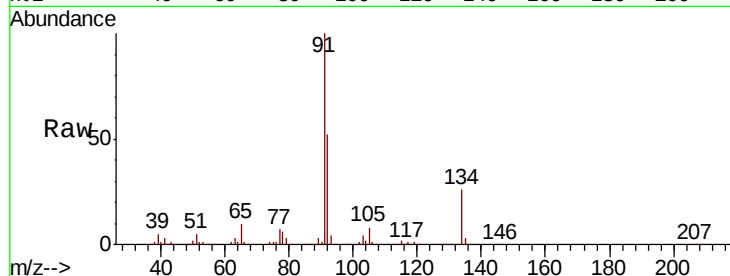
Tgt Ion: 91 Resp: 1126862

Ion Ratio Lower Upper

91 100

92 51.4 0.0 103.0

134 26.2 0.0 51.0

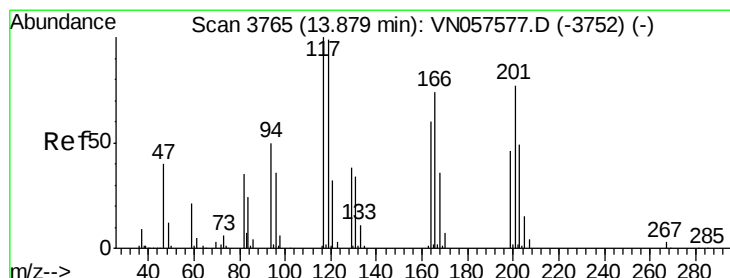
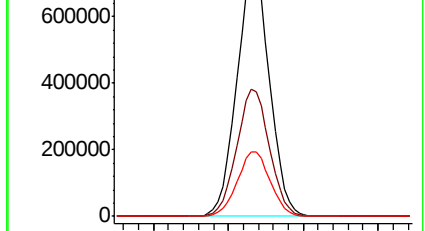
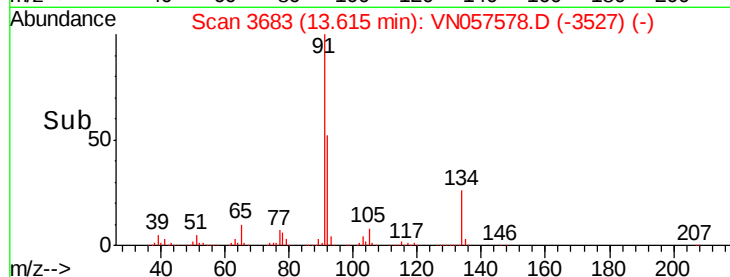


Abundance Ion 91.00 (90.70 to 91.70): VN057577.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN057577.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057577.D (-3670) (-)

Time-->



#86

Hexachloroethane

Concen: 48.982 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057578.D

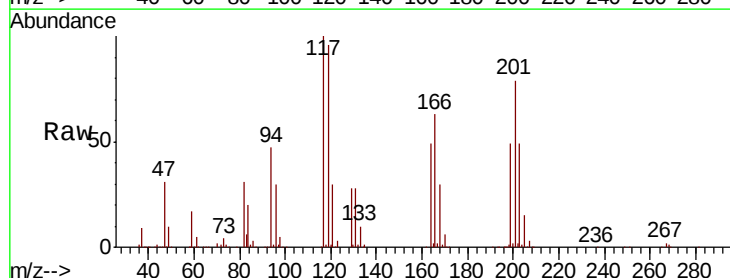
Acq: 30 Aug 2019 9:59

Tgt Ion: 117 Resp: 250014

Ion Ratio Lower Upper

117 100

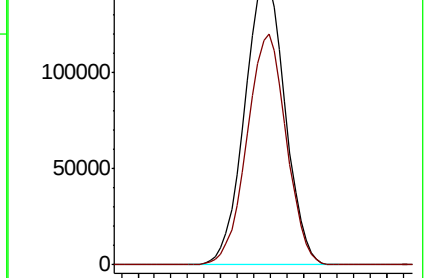
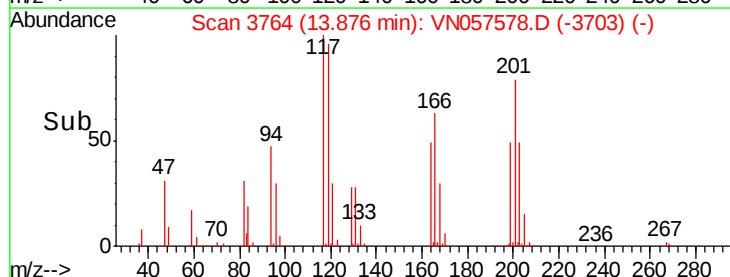
201 78.7 38.0 113.9

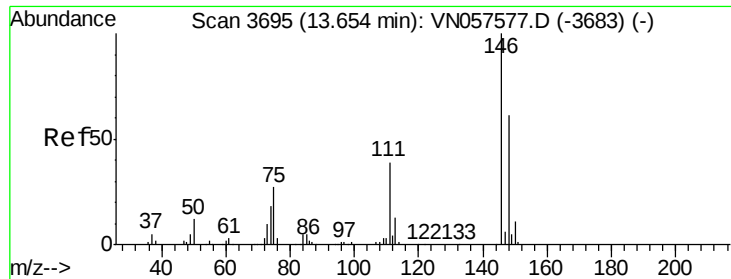


Abundance Ion 117.00 (116.70 to 117.70): VN057577.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057577.D (-3752) (-)

Time-->

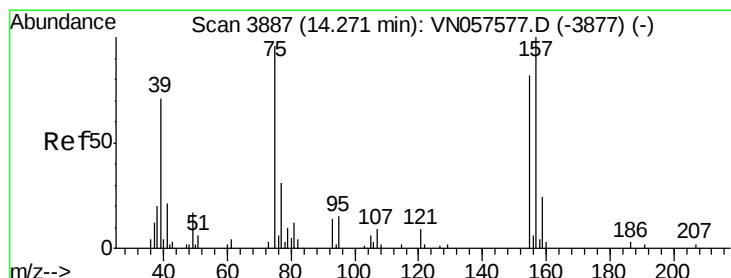
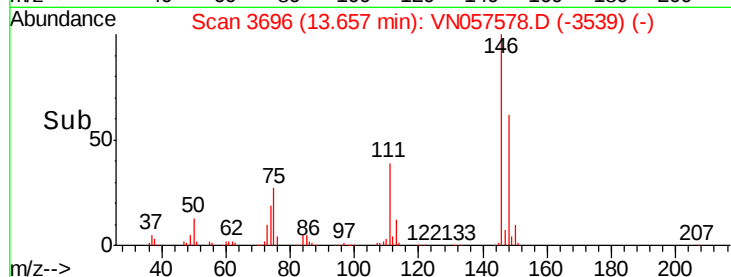
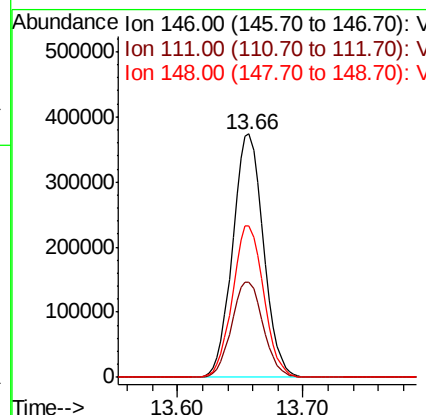
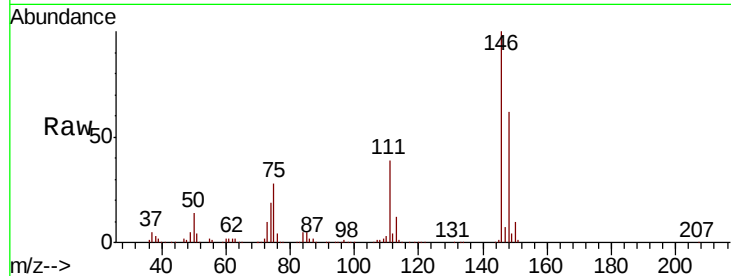




#87
 1,2-Dichlorobenzene
 Concen: 59.705 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

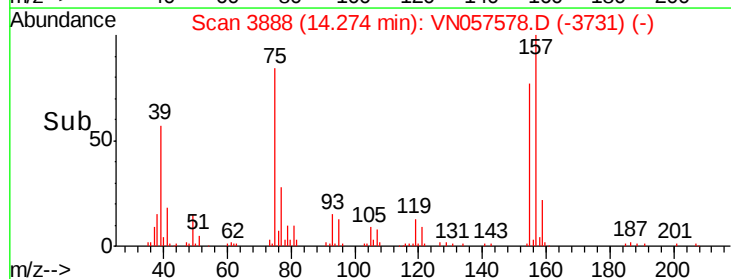
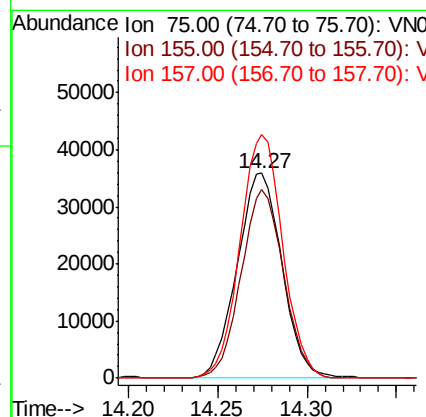
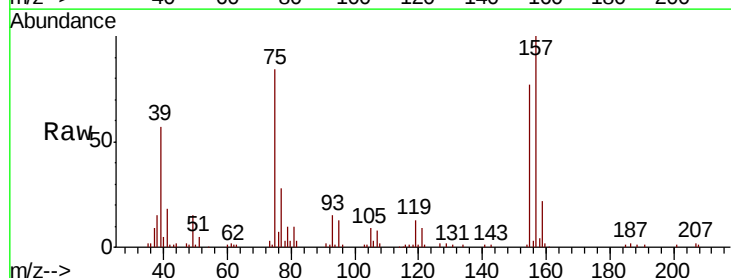
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

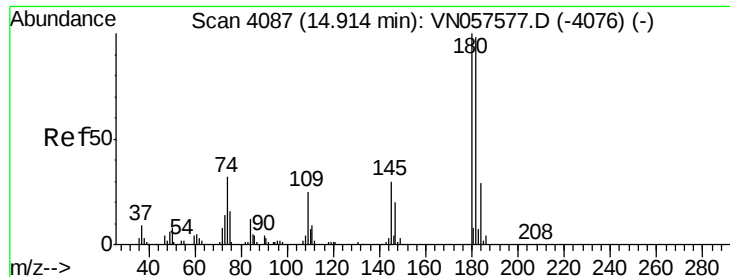
Tgt Ion: 146 Resp: 636886
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.9 59.6
 148 63.0 31.2 93.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 40.516 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion: 75 Resp: 62747
 Ion Ratio Lower Upper
 75 100
 155 87.1 66.5 99.7
 157 112.9 88.4 132.6

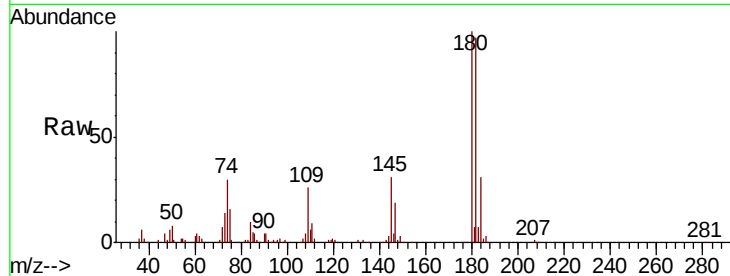




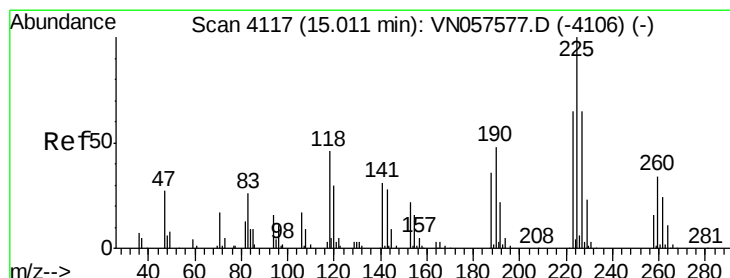
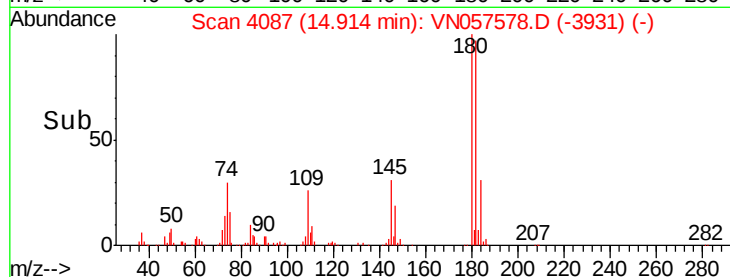
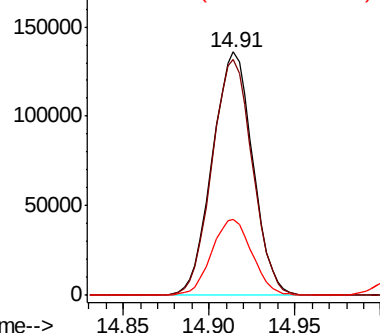
#89
 1,2,4-Trichlorobenzene
 Concen: 55.536 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:180 Resp: 221363
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.6 115.0
 145 31.2 24.4 36.6

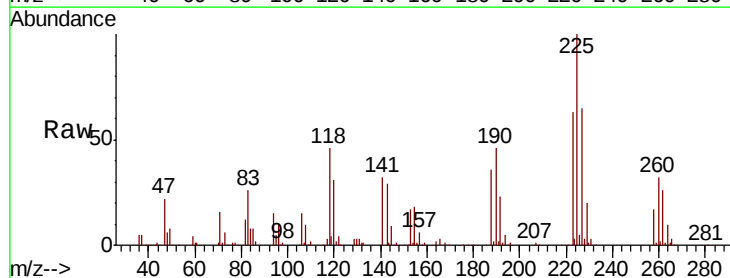


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

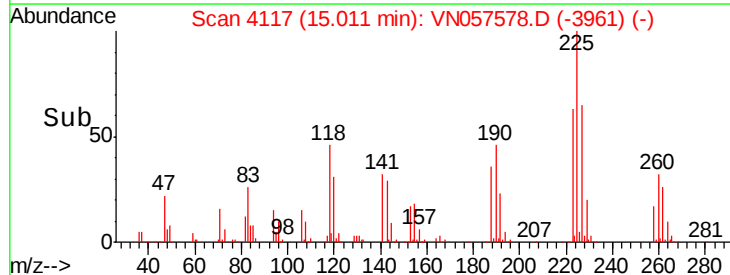
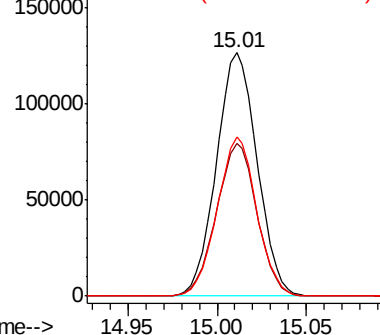


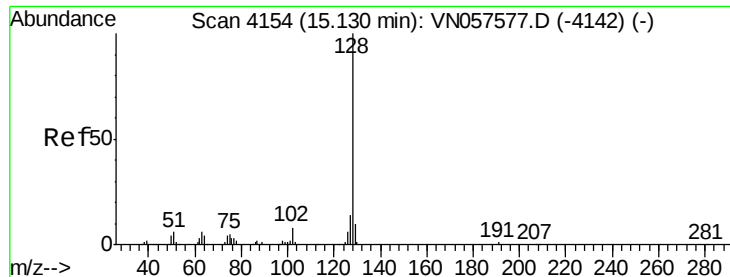
#90
 Hexachlorobutadiene
 Concen: 65.212 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057578.D
 Acq: 30 Aug 2019 9:59

Tgt Ion:225 Resp: 201411
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 130.6
 227 63.5 0.0 131.0



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

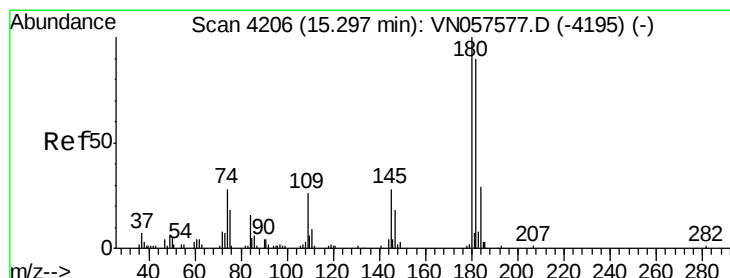
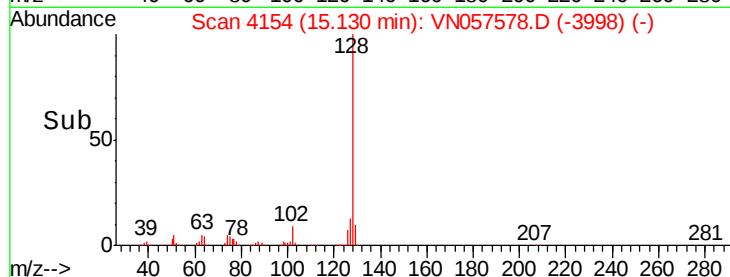
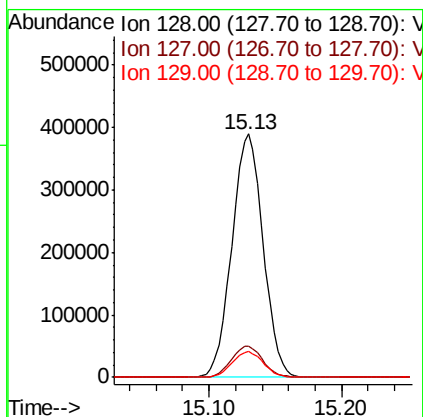
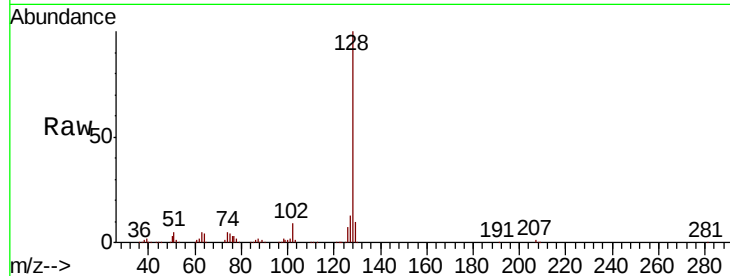




#91
Naphthalene
Concen: 50.785 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 636538
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.6 8.1 12.1



#92
1,2,3-Trichlorobenzene
Concen: 56.159 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057578.D
Acq: 30 Aug 2019 9:59

Tgt Ion:180 Resp: 221003
Ion Ratio Lower Upper
180 100
182 93.7 0.0 181.0
145 31.5 0.0 62.2

