

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057579.D
 Acq On : 30 Aug 2019 10:24
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Aug 30 23:17:54 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	113204	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	666806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	622584	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	246332	23.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	77.97%
60) 4-Bromofluorobenzene	12.40	95	299278	29.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.50%
63) Toluene-d8	10.08	98	841857	27.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	569976	95.448	ug/l 97
3) Chloromethane	2.06	50	478698	58.490	ug/l 99
4) Vinyl Chloride	2.18	62	754107	70.744	ug/l 98
5) Bromomethane	2.54	94	662861	89.409	ug/l 99
6) Chloroethane	2.69	64	489775	67.452	ug/l 98
7) Trichlorofluoromethane	3.01	101	1610247	88.093	ug/l 99
8) Diethyl Ether	3.40	74	498599	73.442	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	951202	90.630	ug/l 94
10) 1,1-Dichloroethene	3.72	96	882033	88.293	ug/l 100
11) Methyl Iodide	3.93	142	1607472	146.035	ug/l 100
12) Methyl Acetate	4.31	43	445458	49.245	ug/l 98
13) Acrolein	3.59	56	300356	264.764	ug/l 95
14) Acrylonitrile	4.97	53	981679	308.095	ug/l # 91
15) Acetone	3.81	58	474609	315.403	ug/l 99
16) Carbon Disulfide	4.03	76	965776	59.922	ug/l 99
17) Allyl chloride	4.30	41	652924	53.600	ug/l 97
18) Methylene Chloride	4.53	84	519130	74.773	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	520320	78.721	ug/l 98
20) Diisopropyl ether	5.94	45	1599441	60.777	ug/l 94
21) 1,1-Dichloroethane	5.83	63	984239	70.182	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	731373	90.459	ug/l 94
23) tert-Butyl Alcohol	4.80	59	350429	300.941	ug/l 100
24) Methyl tert-Butyl Ether	5.03	73	1680430	76.879	ug/l 95
25) Chloroform	7.36	83	1275282	88.593	ug/l 98
26) Cyclohexane	7.64	56	848015	68.234	ug/l # 91
29) 1,1-Dichloropropene	7.78	75	873109	79.522	ug/l 99
30) 2-Butanone	6.83	43	1324654	265.841	ug/l # 95
31) 2,2-Dichloropropane	6.81	77	1016699	80.867	ug/l 99
32) 1,1,1-Trichloroethane	7.56	97	1178321	91.595	ug/l 97
33) Carbon Tetrachloride	7.76	117	1031272	96.324	ug/l 99
34) Benzene	8.03	78	2653907	82.119	ug/l # 90
35) Methacrylonitrile	7.16	41	270669	54.569	ug/l 92
36) 1,2-Dichloroethane	8.11	62	933252	73.810	ug/l 99
37) Trichloroethene	8.82	130	766094	99.803	ug/l 95
38) Methylcyclohexane	9.07	83	1094768	87.273	ug/l 95
39) 1,2-Dichloropropane	9.11	63	622222	69.458	ug/l 98
40) Dibromomethane	9.20	93	487168	85.376	ug/l 96

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Instrument :
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 ClientSampleId :
 VSTDICC100

Quant Time: Aug 30 23:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1048610	87.001	ug/l	98
42) Vinyl Acetate	5.88	43	6002855	266.951	ug/l #	94
43) Ethyl Acetate	6.92	43	551993	56.672	ug/l	95
44) Isopropyl Acetate	8.16	43	1064228	56.972	ug/l	99
45) 1,4-Dioxane	9.20	88	191244	1618.163	ug/l	97
46) Methyl methacrylate	9.19	41	476199	53.514	ug/l	88
47) n-amyl Acetate	12.07	43	927275	60.910	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1060755	84.324	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	1126546	81.825	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	711493	94.639	ug/l	99
51) Ethyl methacrylate	10.43	69	955350	79.179	ug/l	89
52) 1,3-Dichloropropane	10.71	76	1098126	81.895	ug/l	97
53) Dibromochloromethane	10.90	129	863897	107.039	ug/l	99
54) 1,2-Dibromoethane	11.00	107	765648	98.802	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	1304402	431.100	ug/l	97
56) Bromoform	12.13	173	592335	120.310	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	2844372	255.752	ug/l #	92
59) 2-Hexanone	10.75	43	2070285	268.694	ug/l	93
61) Tetrachloroethene	10.63	164	736399	100.927	ug/l	97
62) Toluene	10.15	91	3016269	81.292	ug/l	95
64) Chlorobenzene	11.43	112	2027505	97.902	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	807380	102.610	ug/l	97
66) Ethyl Benzene	11.51	91	3179227	79.492	ug/l #	80
68) o-Xylene	11.95	106	1392708	100.357	ug/l	88
69) Styrene	11.96	104	2333436	104.159	ug/l	97
70) Isopropylbenzene	12.25	105	3293737	87.786	ug/l	91
71) 1,1,2,2-Tetrachloroethane	12.51	83	904283	86.047	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1117564	118.149	ug/l	63
73) Bromobenzene	12.53	156	918129	117.936	ug/l	95
74) n-propylbenzene	12.59	91	3457323	81.912	ug/l	88
75) 2-Chlorotoluene	12.68	91	2362793	95.101	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	2926068	94.999	ug/l	91
77) t-1,4-Dichloro-2-butene	12.30	75	270987	83.297	ug/l	86
78) 4-Chlorotoluene	12.77	91	2386153	100.142	ug/l	95
79) tert-butylbenzene	12.99	119	2680134	101.242	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2876551	99.350	ug/l	88
81) sec-Butylbenzene	13.17	105	3215981	92.643	ug/l	92
82) p-Isopropyltoluene	13.29	119	3013279	101.808	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	1646574	134.939	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	1577508	132.749	ug/l	98
85) n-Butylbenzene	13.62	91	2509686	99.472	ug/l	94
86) Hexachloroethane	13.88	117	595325	103.842	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	1547932	129.194	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	148656	85.459	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	640267	143.012	ug/l	99
90) Hexachlorobutadiene	15.01	225	433776	125.041	ug/l	98
91) Naphthalene	15.13	128	1804411	128.172	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	629368	142.388	ug/l	96

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 30 23:13:27 2019
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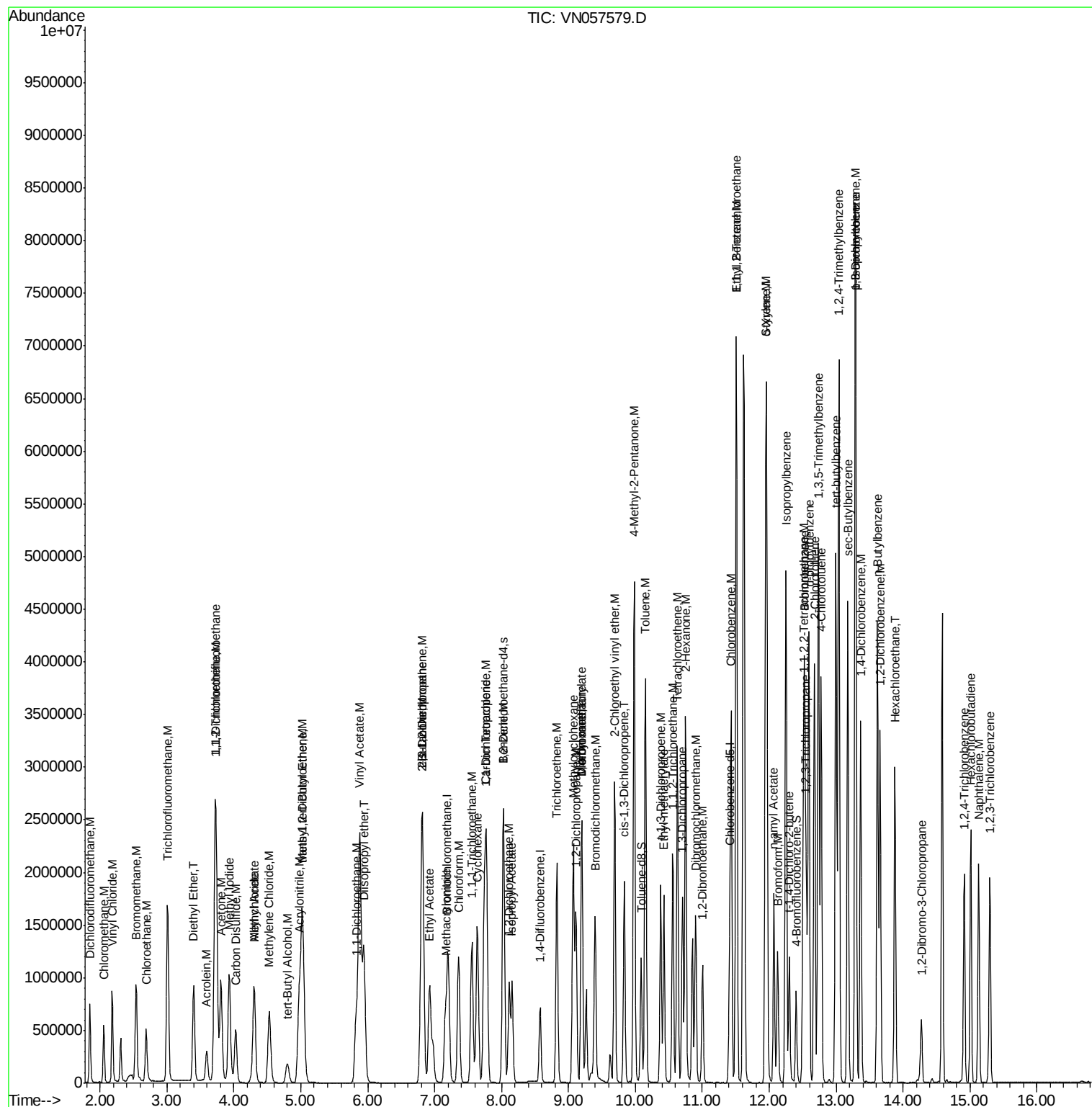
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

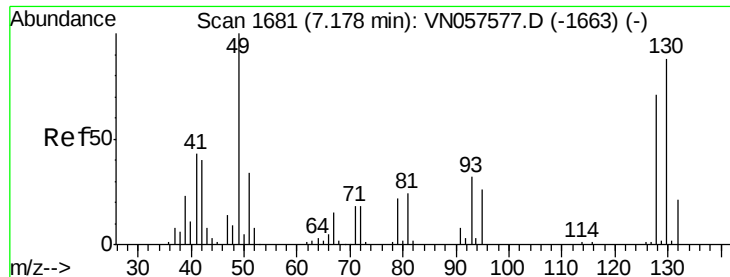
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057579.D
Acq On : 30 Aug 2019 10:24
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Aug 30 23:17:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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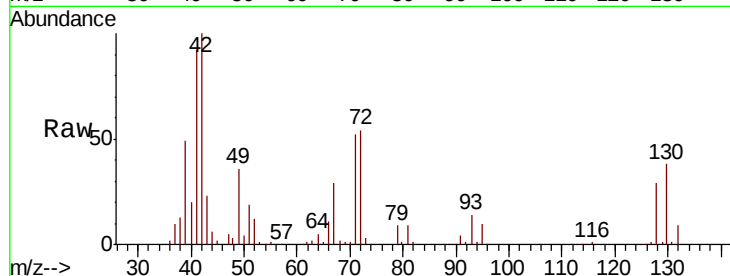




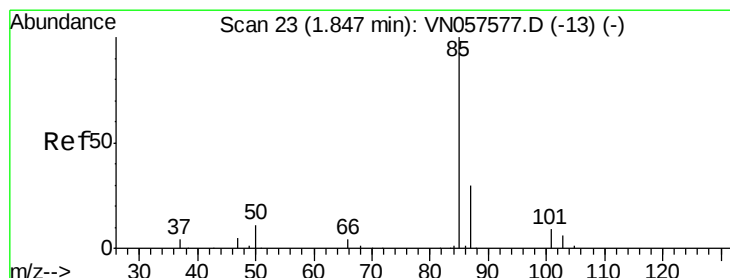
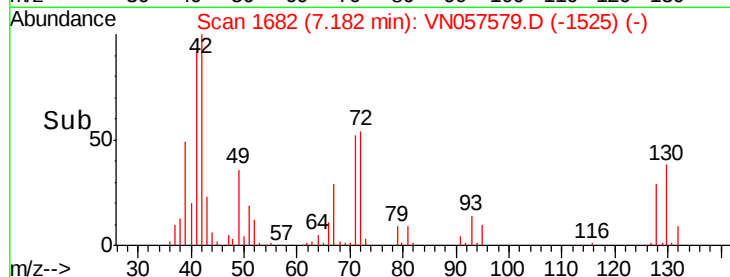
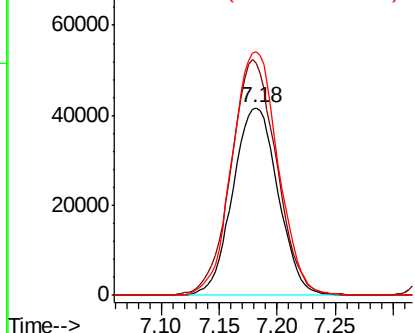
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 128 Resp: 113204
 Ion Ratio Lower Upper
 128 100
 49 126.6 0.0 352.3
 130 131.9 0.0 324.7

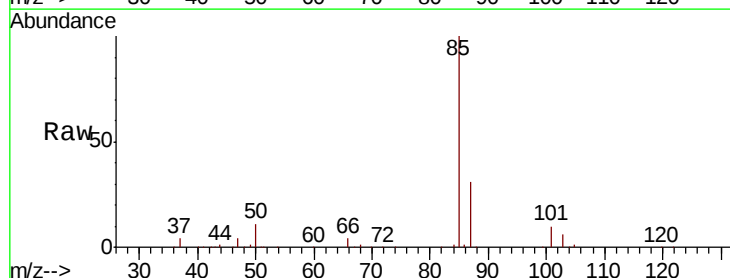


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

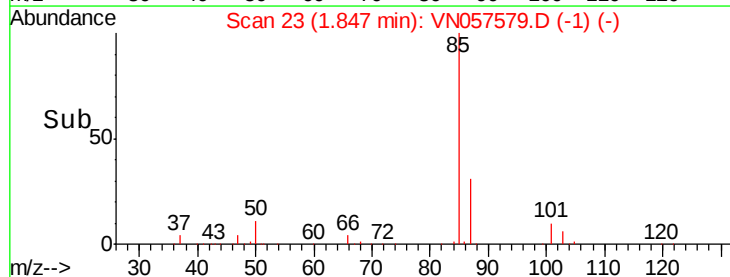
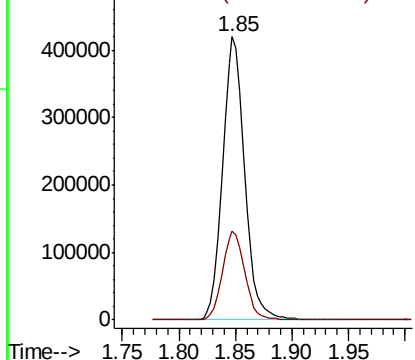


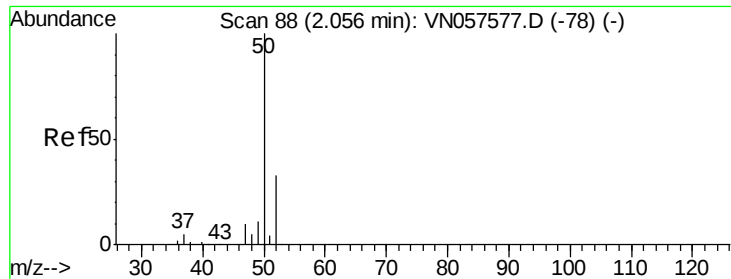
#2
 Dichlorodifluoromethane
 Concen: 95.448 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 85 Resp: 569976
 Ion Ratio Lower Upper
 85 100
 87 31.4 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: 58.490 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

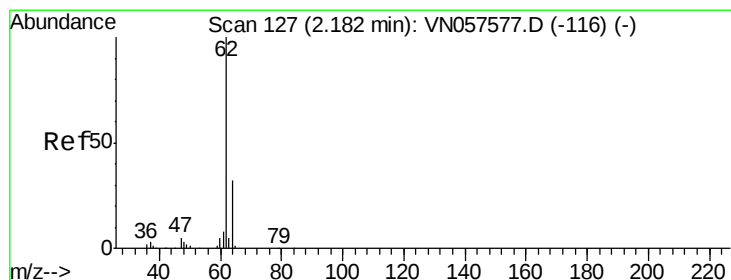
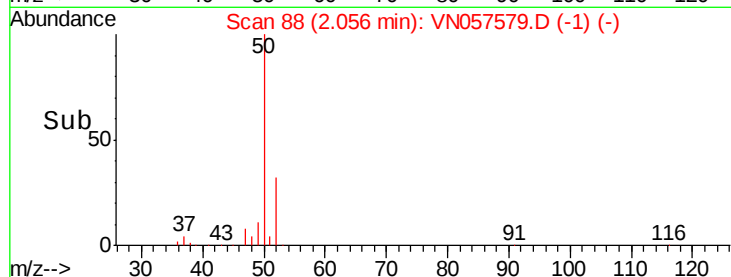
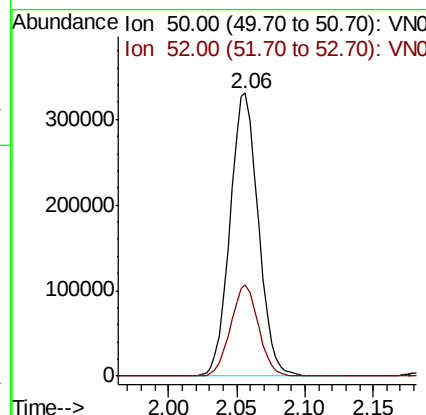
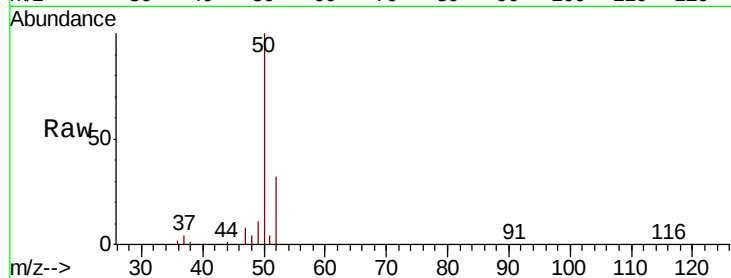
VSTDIC100

Tgt Ion: 50 Resp: 478698

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



#4

Vinyl Chloride

Concen: 70.744 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057579.D

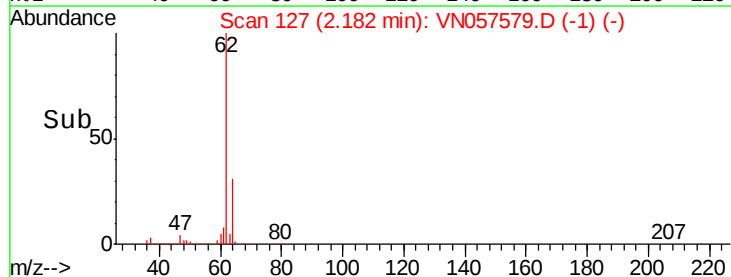
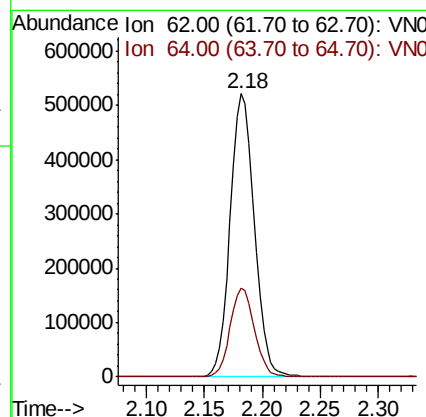
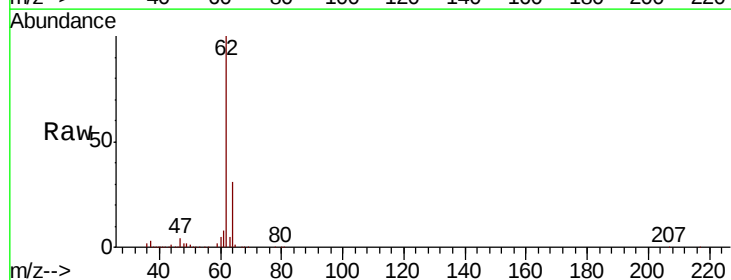
Acq: 30 Aug 2019 10:24

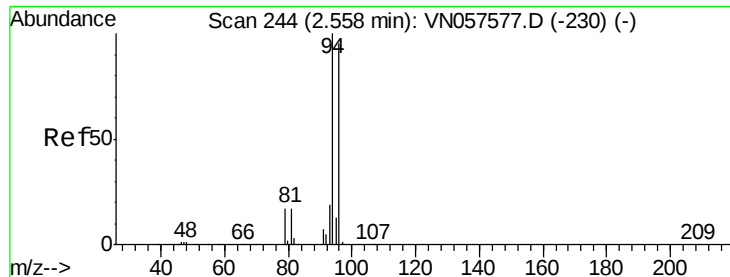
Tgt Ion: 62 Resp: 754107

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 89.409 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.02 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

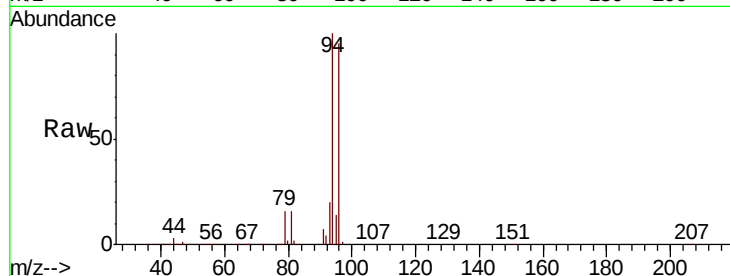
VSTDIC100

Tgt Ion: 94 Resp: 662861

Ion Ratio Lower Upper

94 100

96 94.8 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN057579.D (-230) (-)

Ion 96.00 (95.70 to 96.70): VN057579.D (-230) (-)

2.54

300000

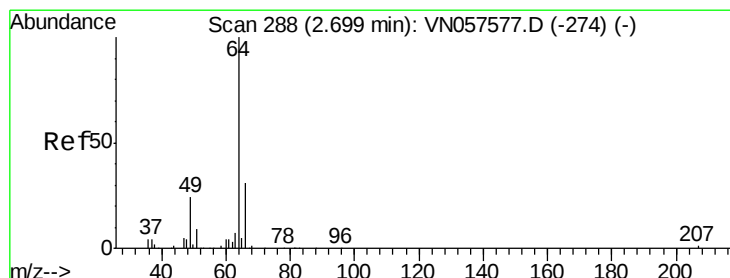
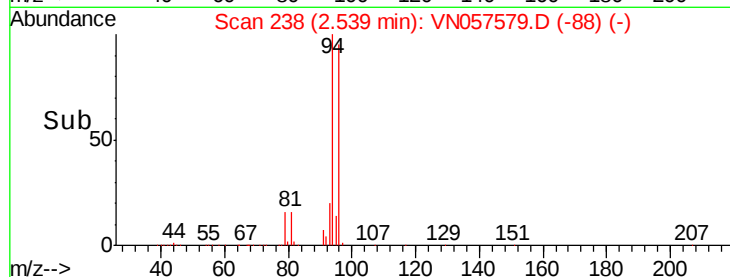
200000

100000

0

2.50 2.60

Time-->



#6

Chloroethane

Concen: 67.452 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN057579.D

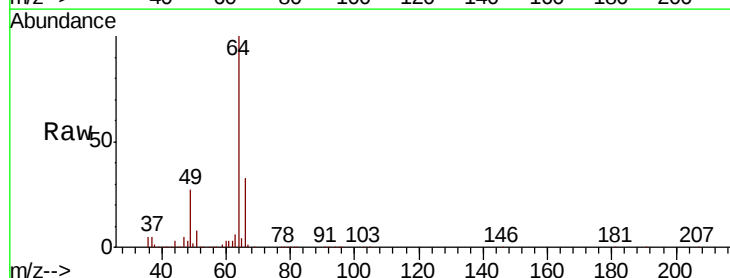
Acq: 30 Aug 2019 10:24

Tgt Ion: 64 Resp: 489775

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN057579.D (-274) (-)

Ion 66.00 (65.70 to 66.70): VN057579.D (-274) (-)

2.69

250000

200000

150000

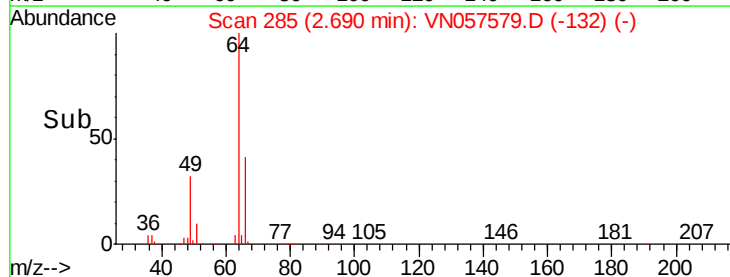
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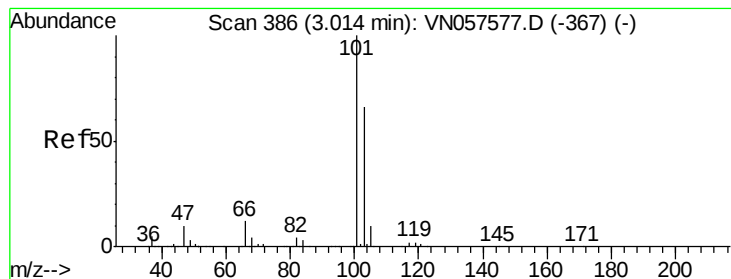
50000

0

2.60 2.70 2.80

Time-->



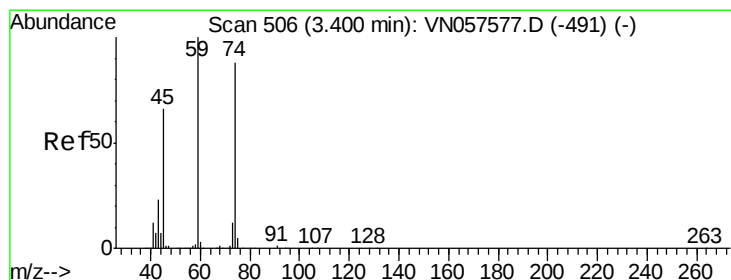
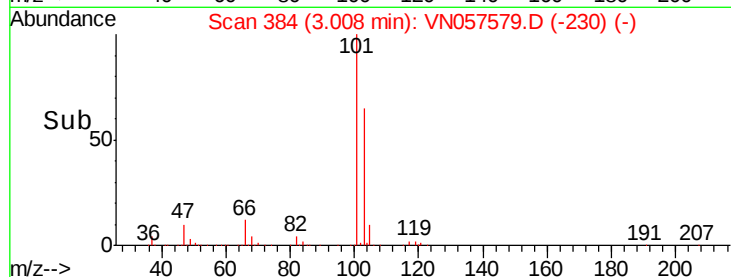
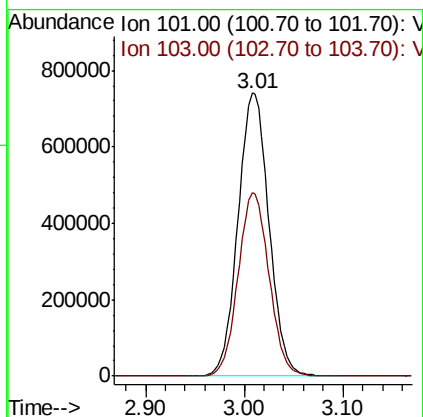
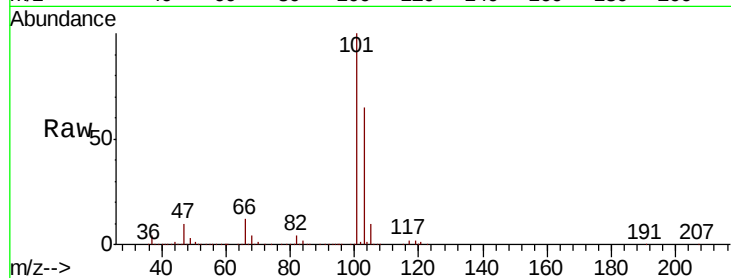


#7

Trichlorofluoromethane
 Concen: 88.093 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

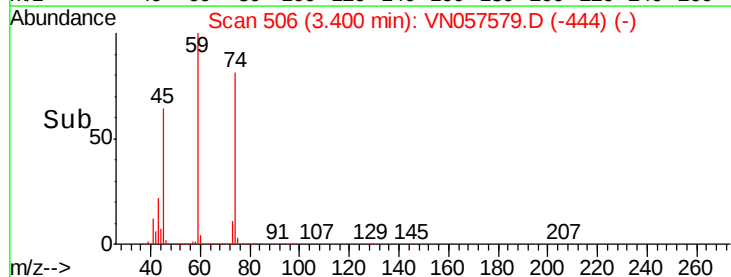
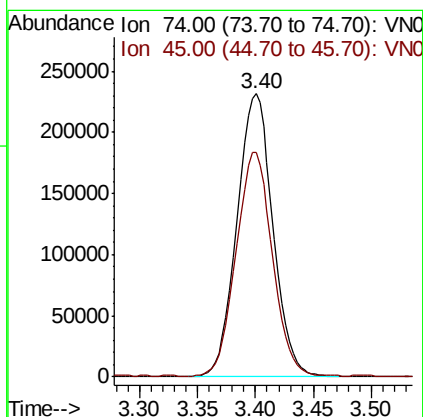
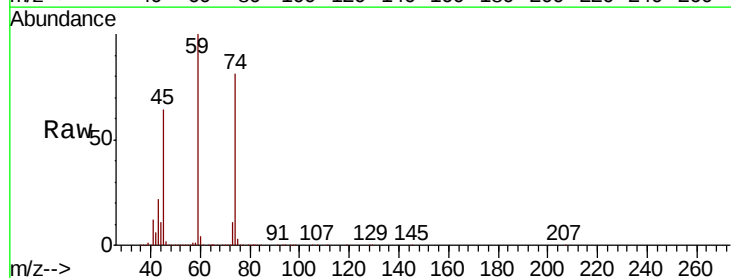
Tgt Ion:101 Resp: 1610247
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.4 78.6

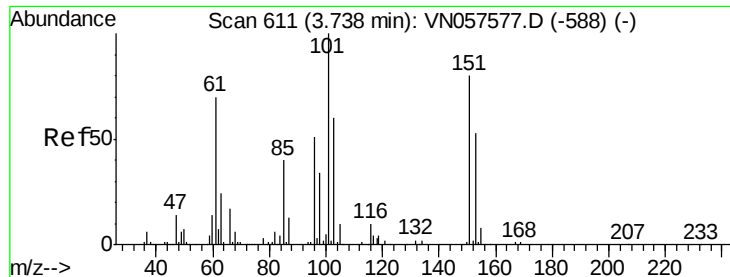


#8

Diethyl Ether
 Concen: 73.442 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 74 Resp: 498599
 Ion Ratio Lower Upper
 74 100
 45 79.7 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.630 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

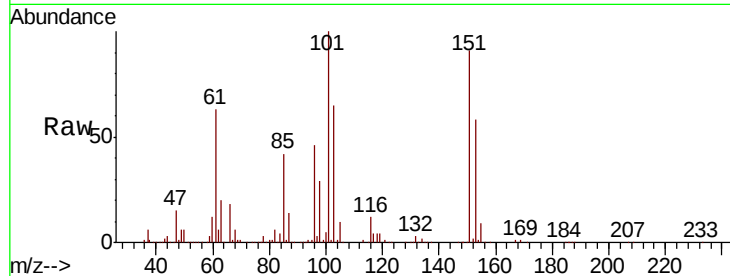
Tgt Ion:101 Resp: 951202

Ion Ratio Lower Upper

101 100

85 42.5 0.0 83.2

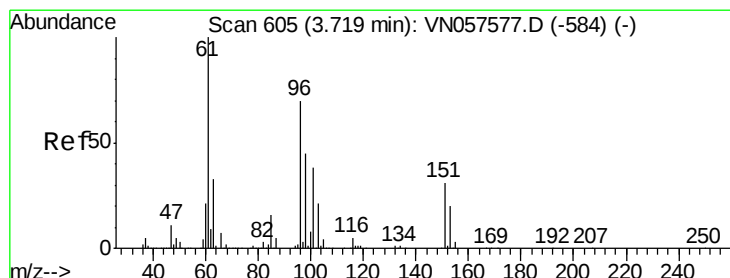
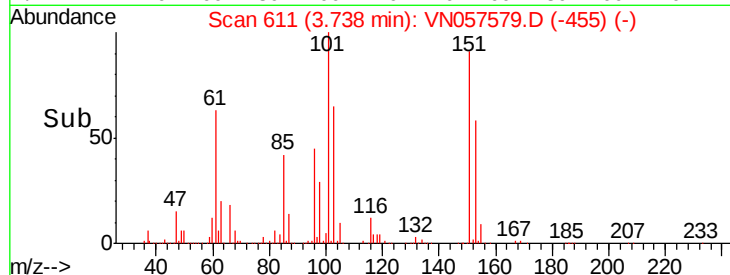
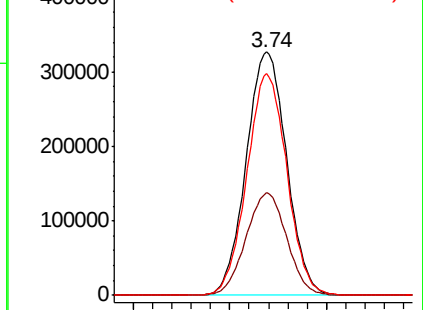
151 90.1 0.0 166.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 88.293 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

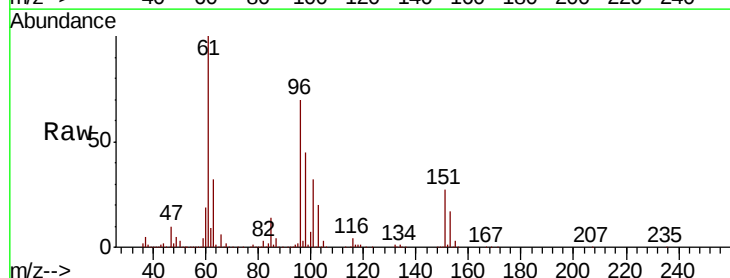
Tgt Ion: 96 Resp: 882033

Ion Ratio Lower Upper

96 100

61 143.4 114.2 171.4

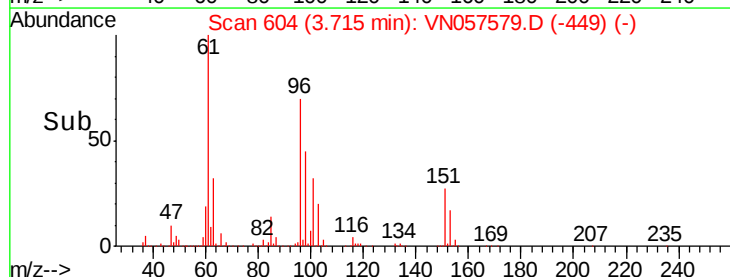
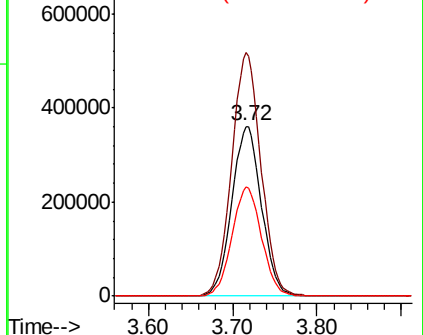
98 64.3 51.8 77.6

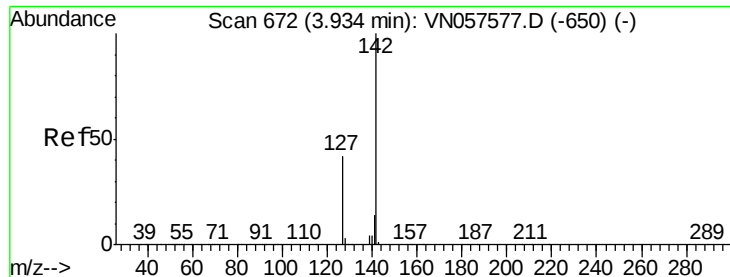


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

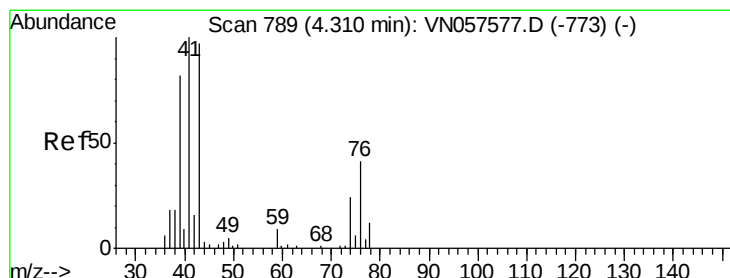
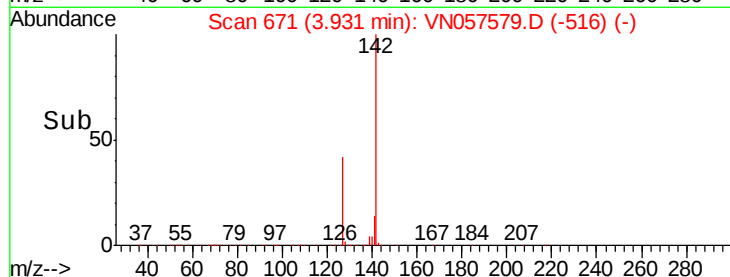
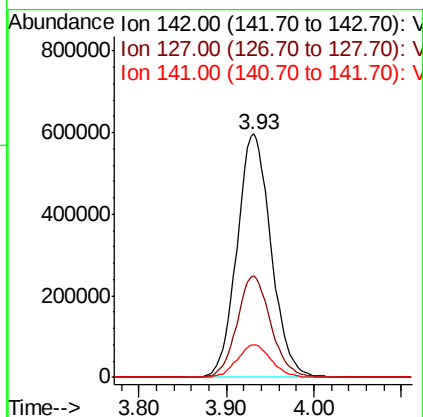
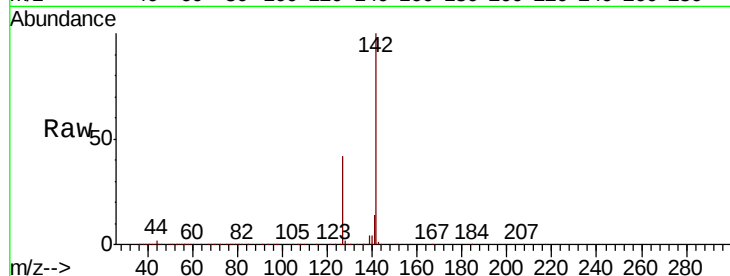




#11
Methyl Iodide
Concen: 146.035 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

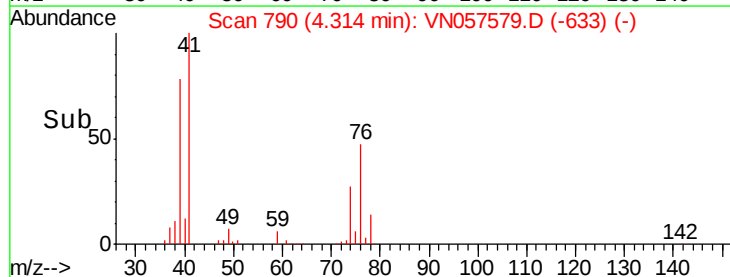
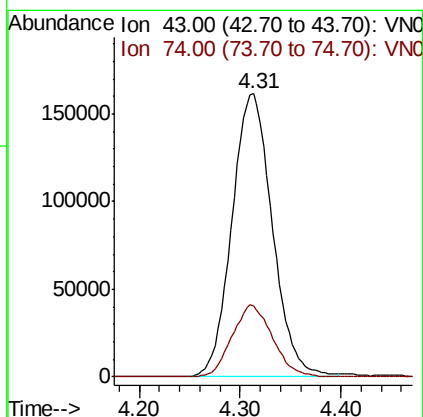
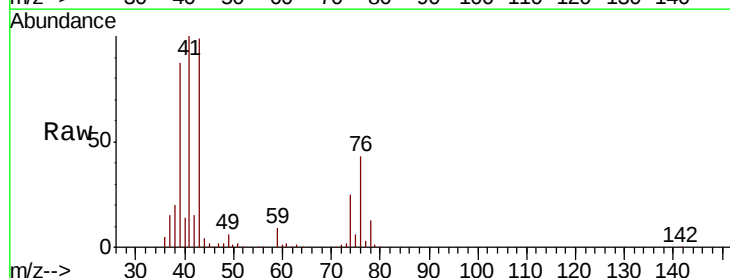
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

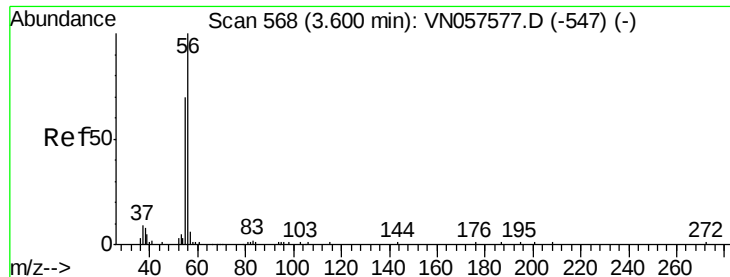
Tgt Ion:142 Resp: 1607472
Ion Ratio Lower Upper
142 100
127 41.5 20.8 62.4
141 13.5 6.8 20.4



#12
Methyl Acetate
Concen: 49.245 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 445458
Ion Ratio Lower Upper
43 100
74 25.3 19.6 29.4





#13

Acrolein

Concen: 264.764 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

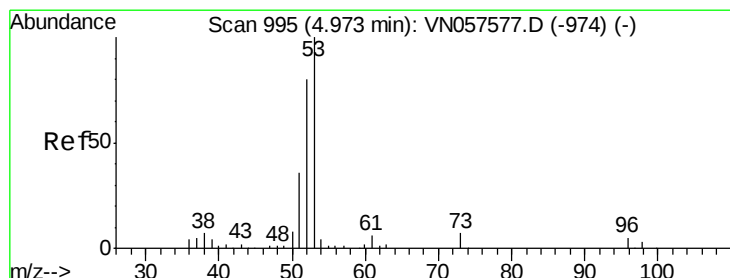
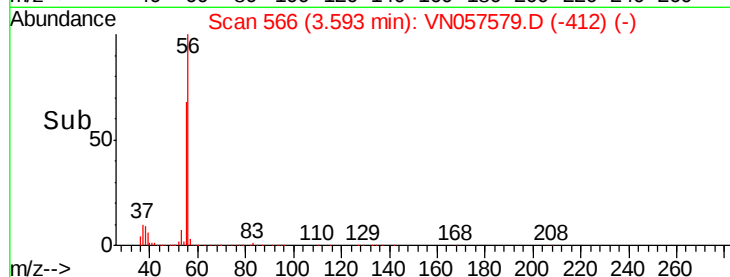
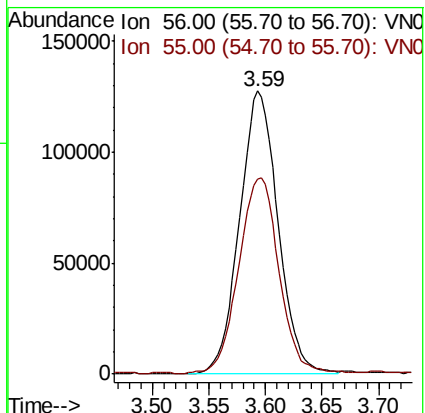
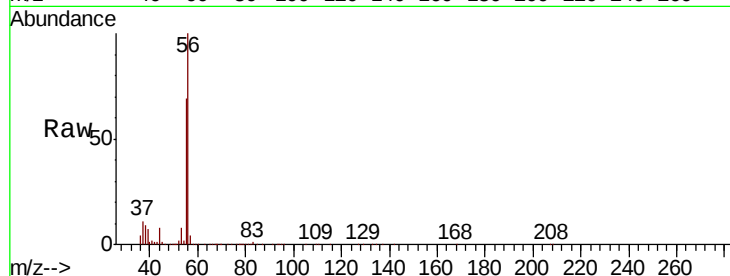
VSTDIC100

Tgt Ion: 56 Resp: 300356

Ion Ratio Lower Upper

56 100

55 72.0 54.5 81.7



#14

Acrylonitrile

Concen: 308.095 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

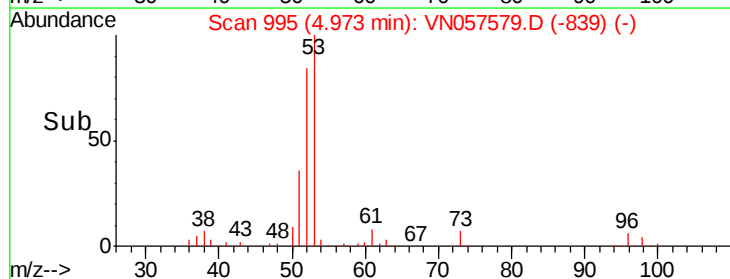
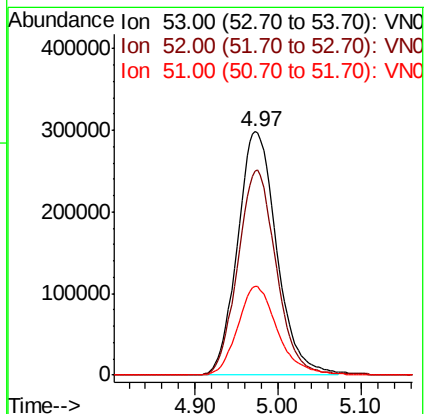
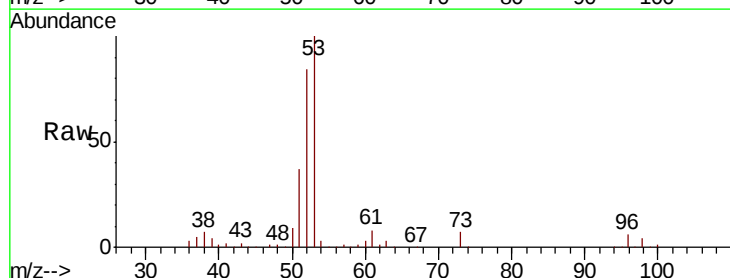
Tgt Ion: 53 Resp: 981679

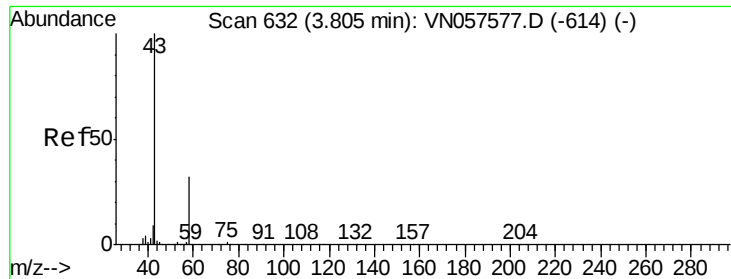
Ion Ratio Lower Upper

53 100

52 82.3 40.6 122.0

51 37.2 8.3 24.9#





#15

Acetone

Concen: 315.403 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

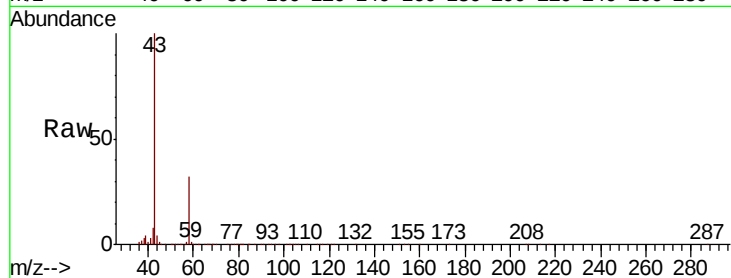
VSTDIC100

Tgt Ion: 58 Resp: 474609

Ion Ratio Lower Upper

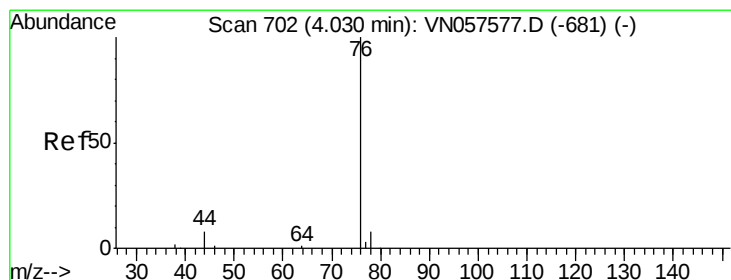
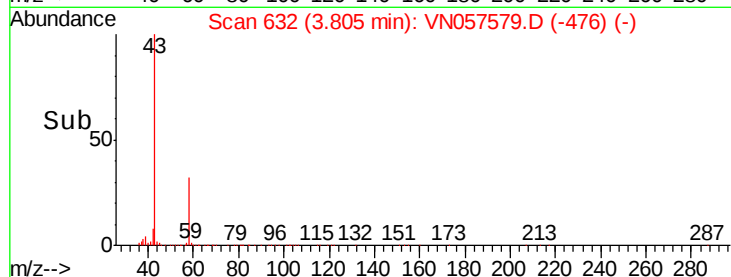
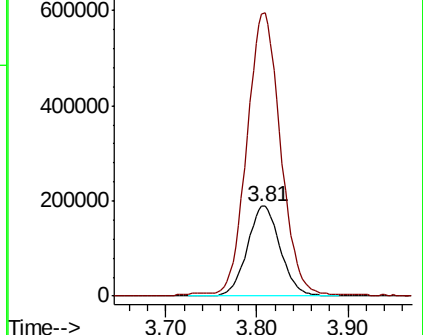
58 100

43 313.4 252.8 379.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 59.922 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057579.D

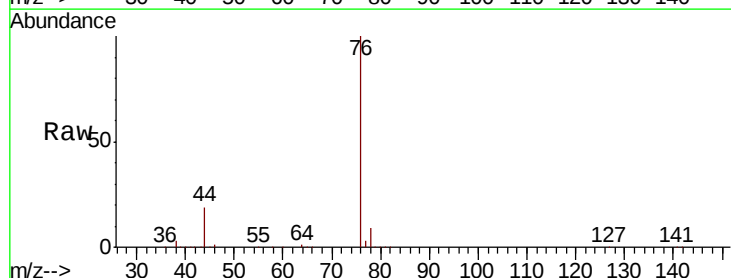
Acq: 30 Aug 2019 10:24

Tgt Ion: 76 Resp: 965776

Ion Ratio Lower Upper

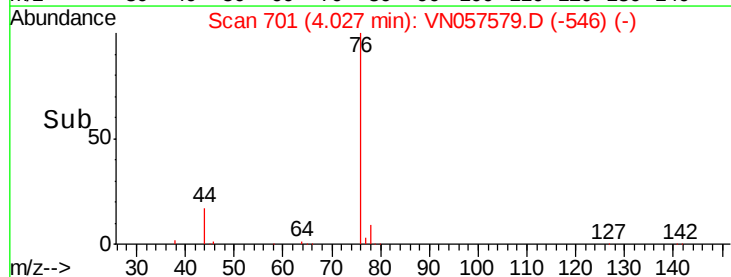
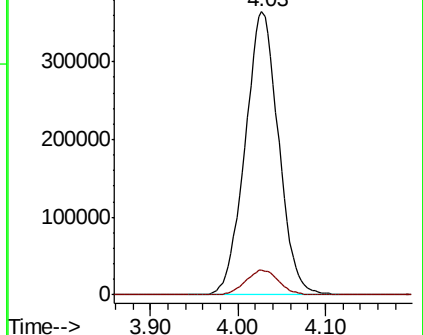
76 100

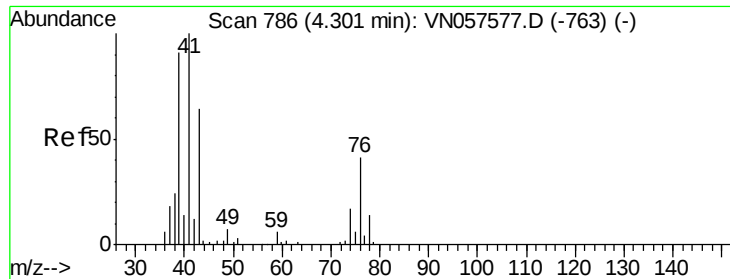
78 8.8 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 53.600 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

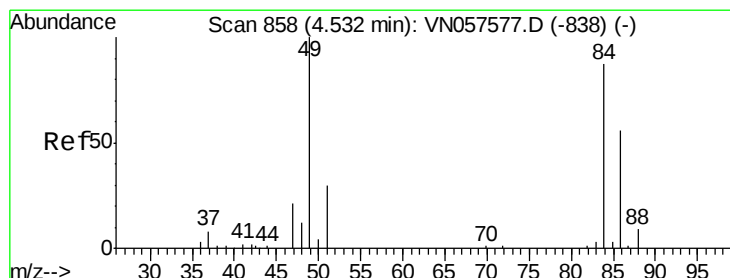
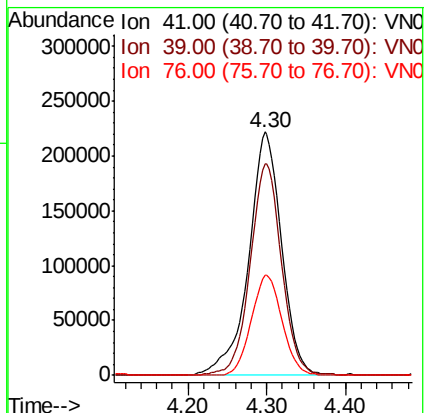
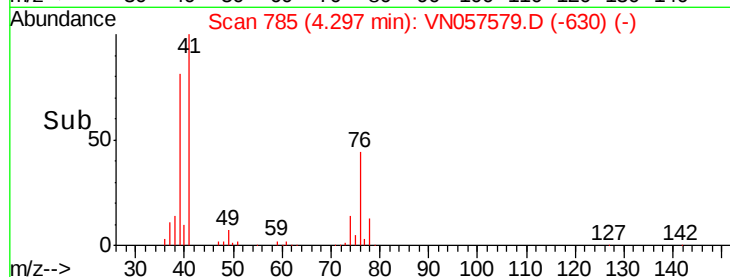
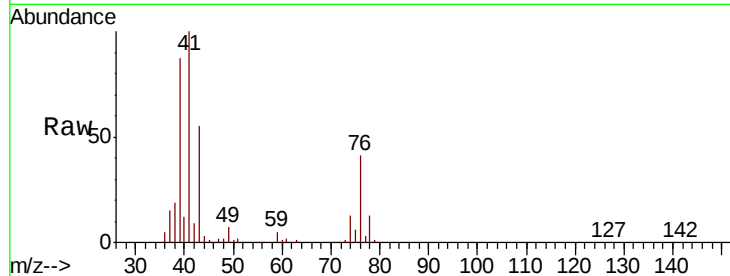
Tgt Ion: 41 Resp: 652924

Ion Ratio Lower Upper

41 100

39 86.8 44.6 134.0

76 41.3 19.8 59.3



#18

Methylene Chloride

Concen: 74.773 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Tgt Ion: 84 Resp: 519130

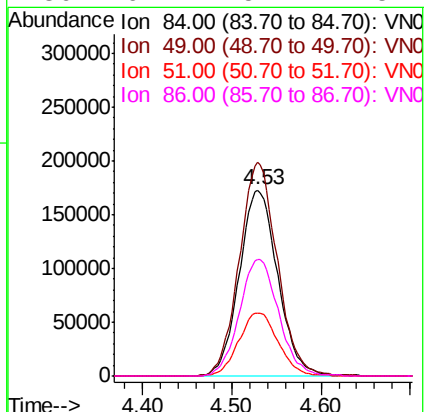
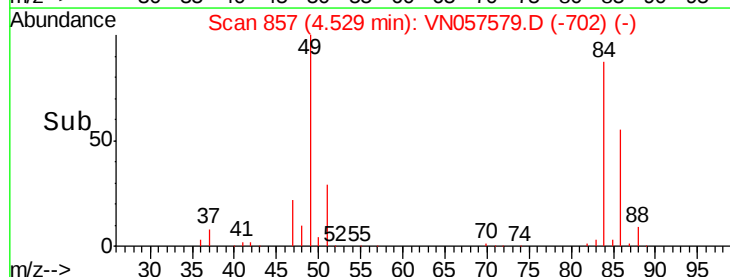
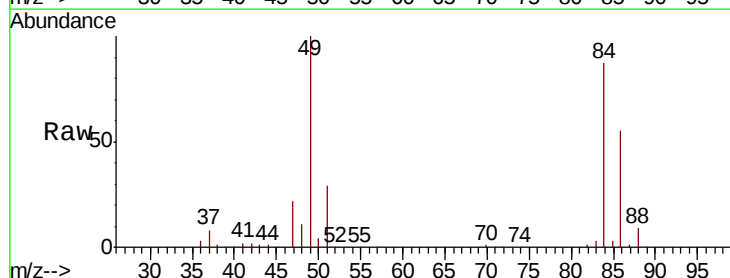
Ion Ratio Lower Upper

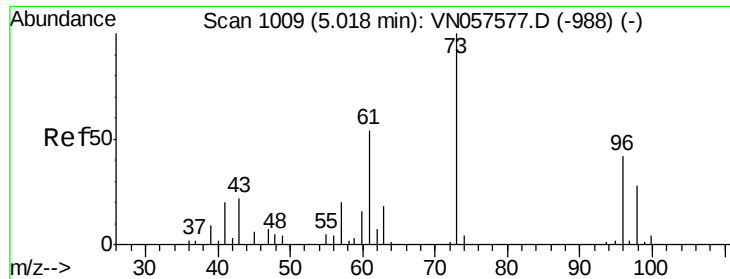
84 100

49 114.8 92.4 138.6

51 33.5 27.9 41.9

86 62.7 52.2 78.2

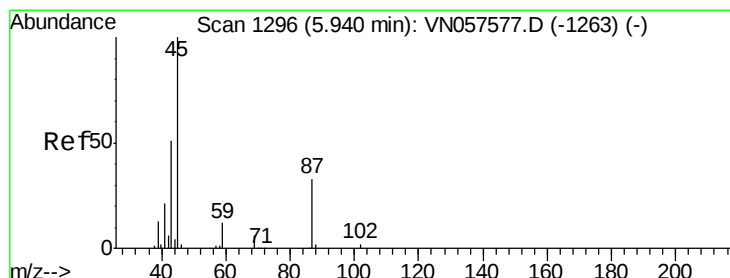
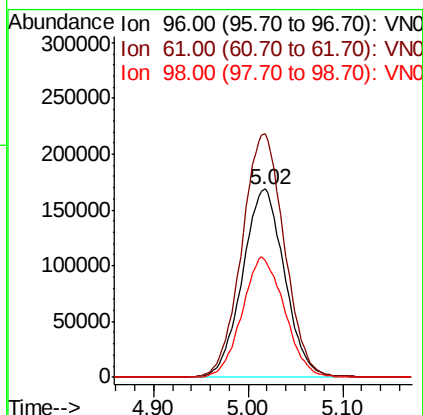
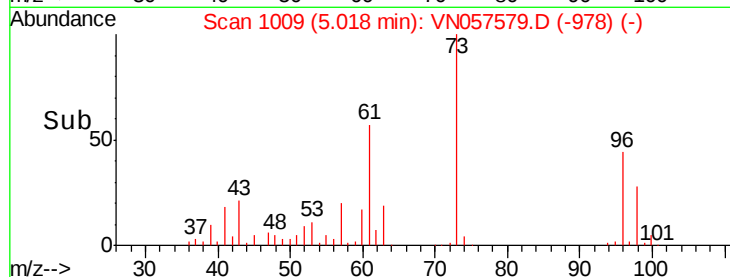
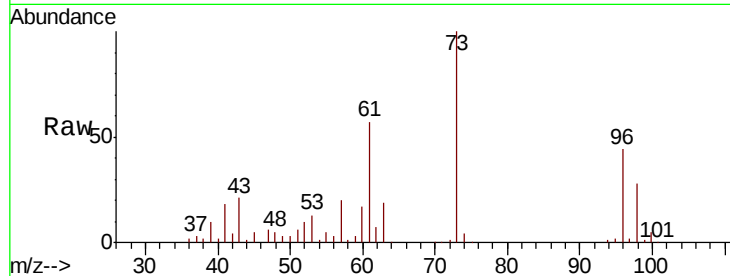




#19
trans-1,2-Dichloroethene
Concen: 78.721 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

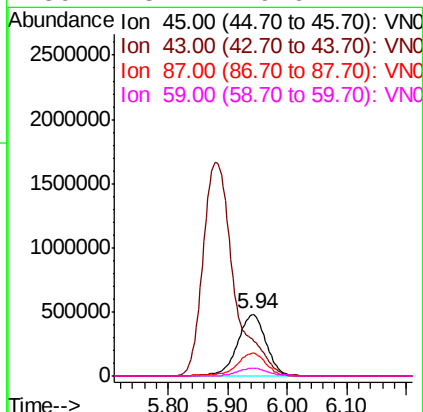
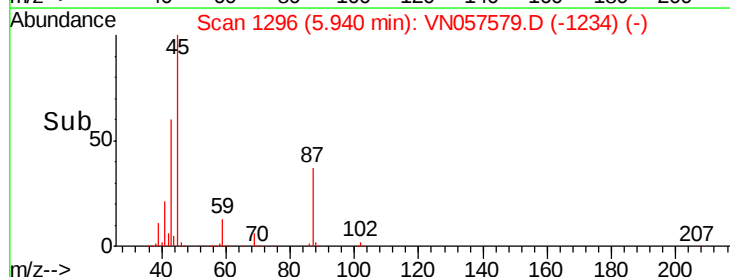
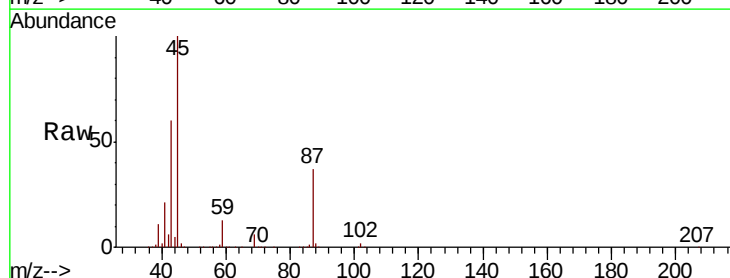
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

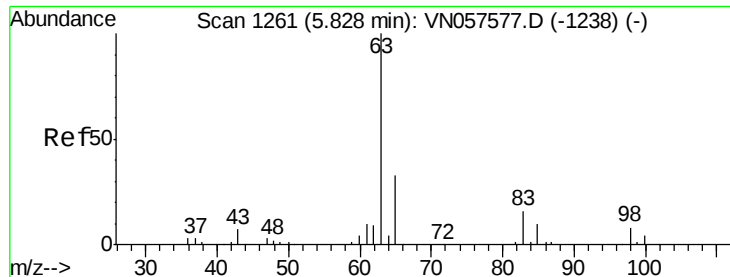
Tgt Ion: 96 Resp: 520320
Ion Ratio Lower Upper
96 100
61 129.6 102.6 153.8
98 62.4 52.6 79.0



#20
Diisopropyl ether
Concen: 60.777 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 45 Resp: 1599441
Ion Ratio Lower Upper
45 100
43 59.5 51.9 77.9
87 37.2 27.3 40.9
59 13.1 9.6 14.4

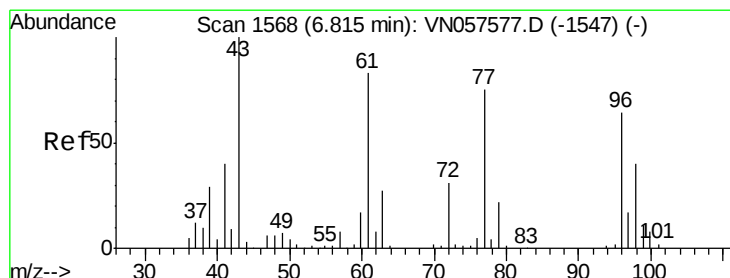
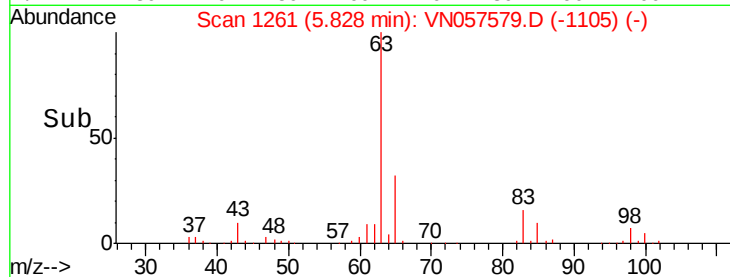
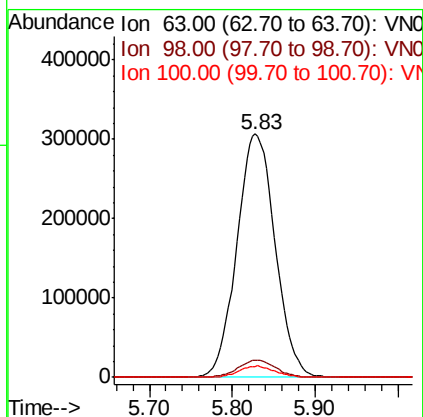
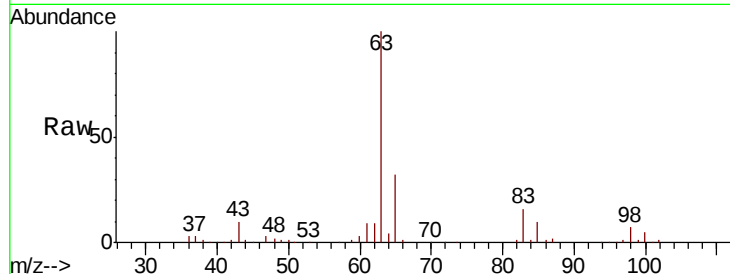




#21
 1,1-Dichloroethane
 Concen: 70.182 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

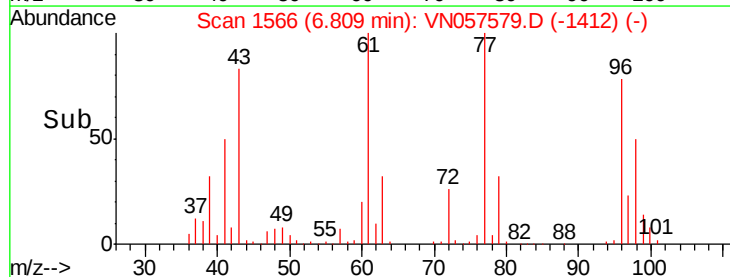
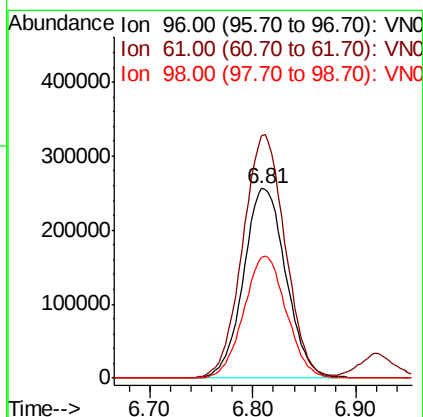
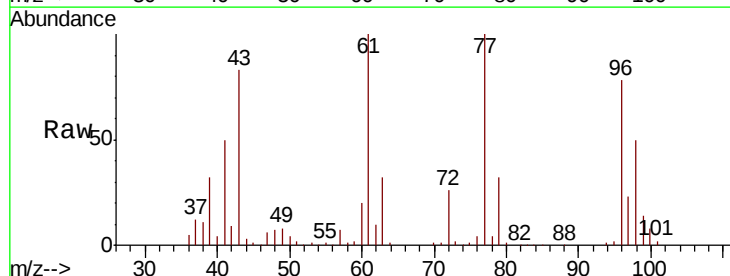
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

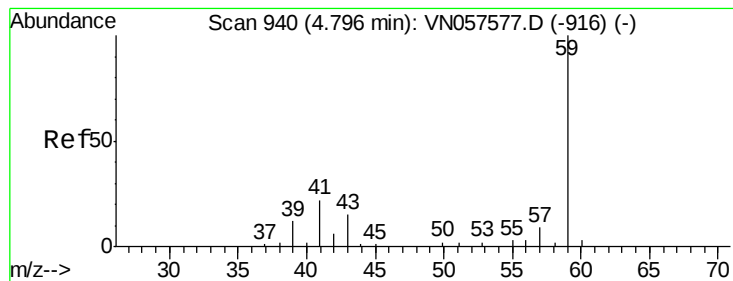
Tgt Ion: 63 Resp: 984239
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.8 11.2
 100 4.6 2.0 6.0



#22
 cis-1,2-Dichloroethene
 Concen: 90.459 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 96 Resp: 731373
 Ion Ratio Lower Upper
 96 100
 61 128.7 110.5 165.7
 98 64.7 51.1 76.7



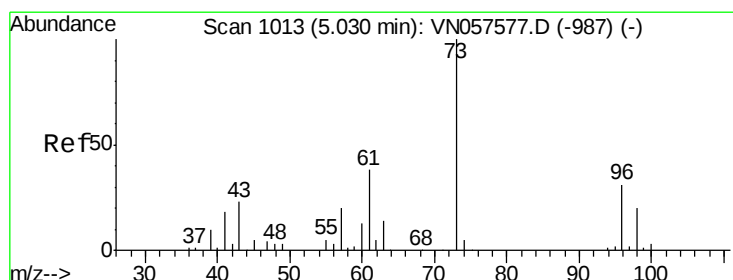
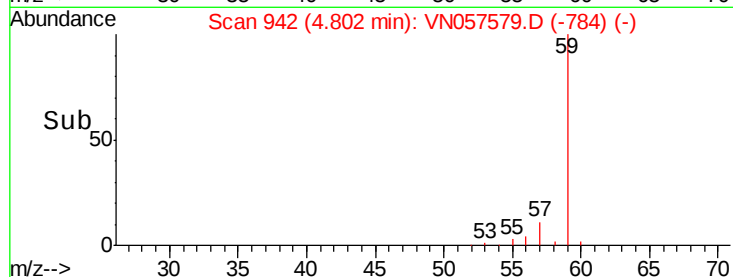
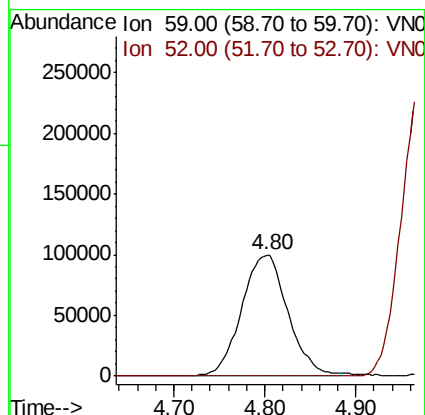
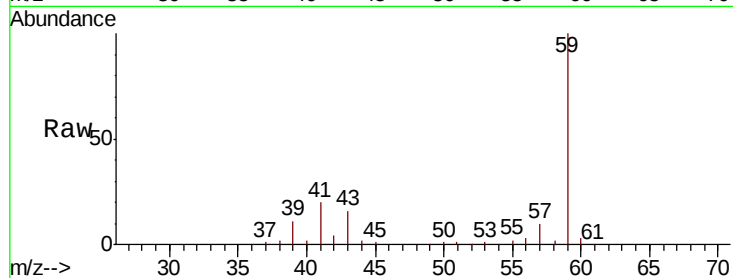


#23

tert-Butyl Alcohol
 Concen: 300.941 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

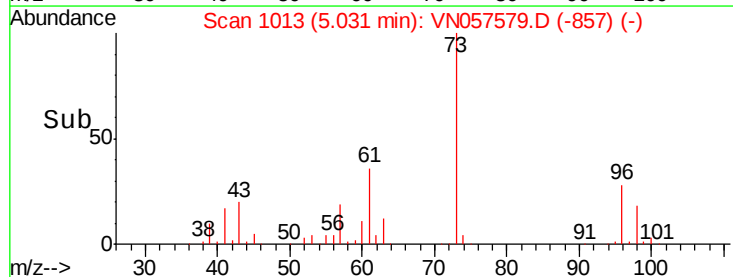
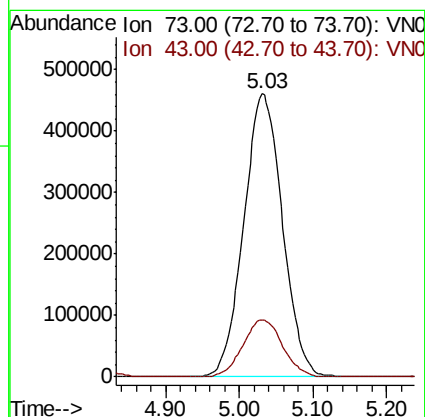
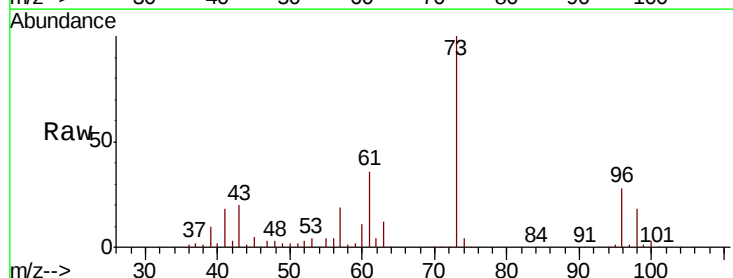
Tgt Ion: 59 Resp: 350429
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

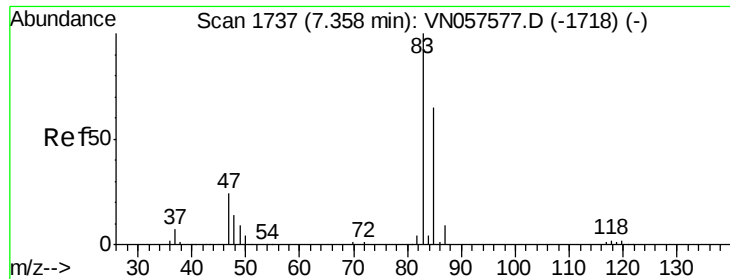


#24

Methyl tert-Butyl Ether
 Concen: 76.879 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 73 Resp: 1680430
 Ion Ratio Lower Upper
 73 100
 43 20.5 18.4 27.6

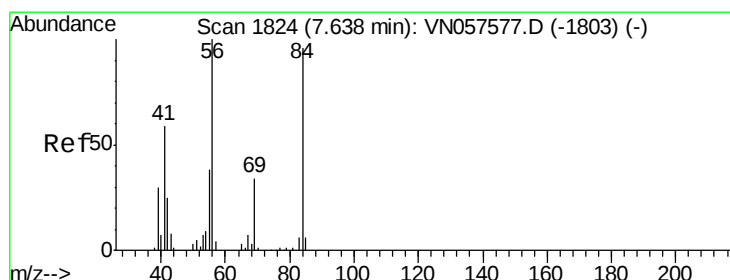
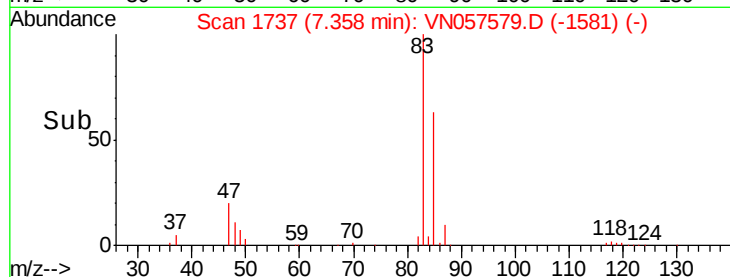
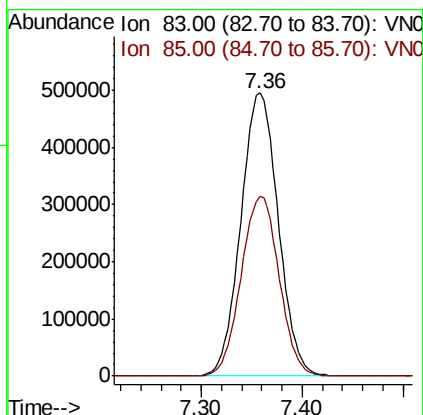
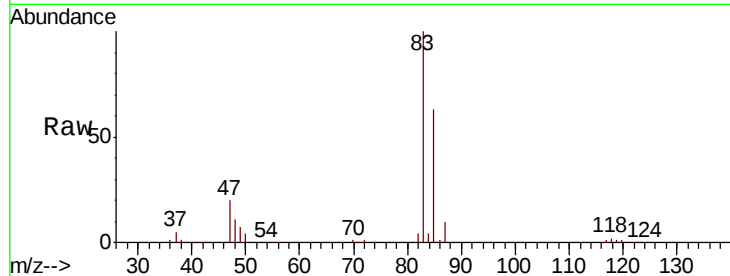




#25
Chloroform
Concen: 88.593 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

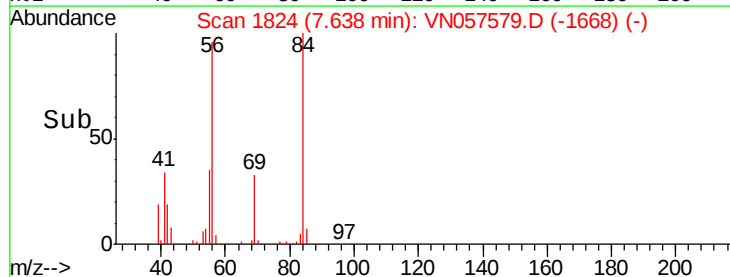
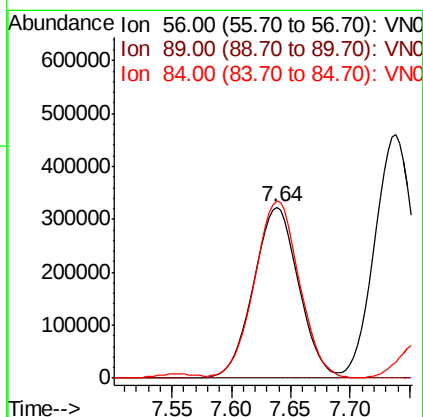
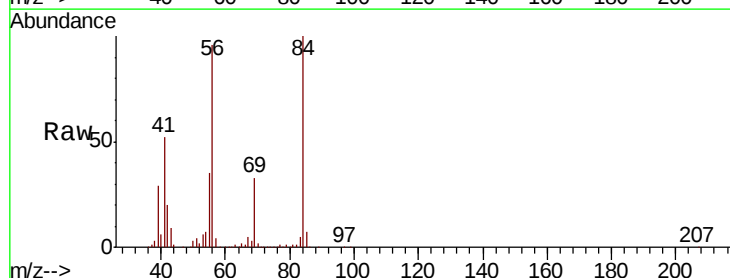
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

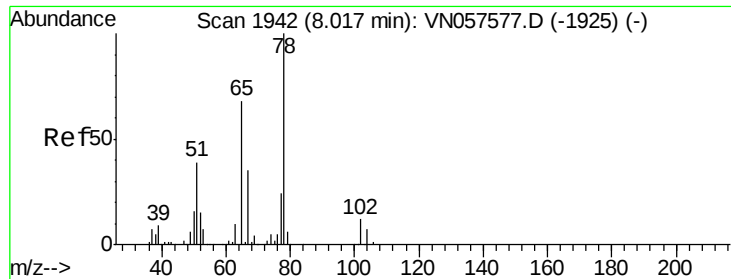
Tgt Ion: 83 Resp: 1275282
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.6



#26
Cyclohexane
Concen: 68.234 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 56 Resp: 848015
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 103.5 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 23.388 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

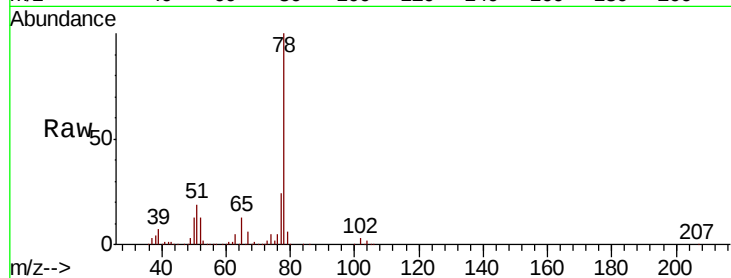
VSTDIC100

Tgt Ion: 65 Resp: 246332

Ion Ratio Lower Upper

65 100

67 50.3 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

120000

100000

80000

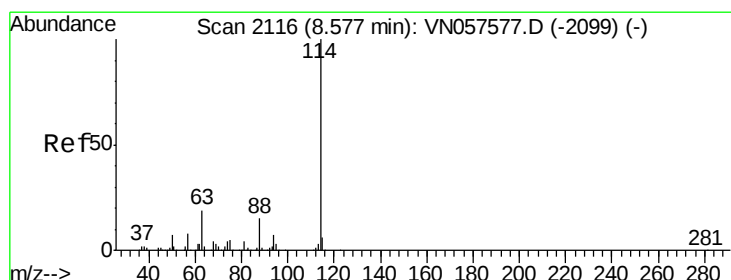
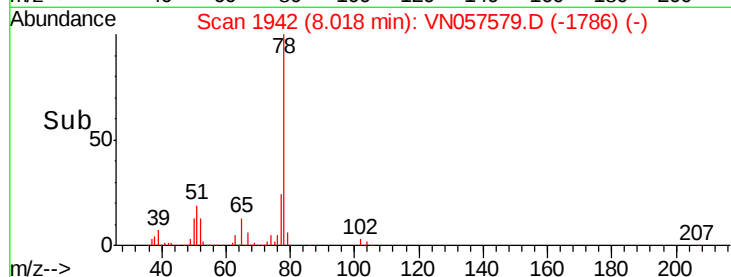
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

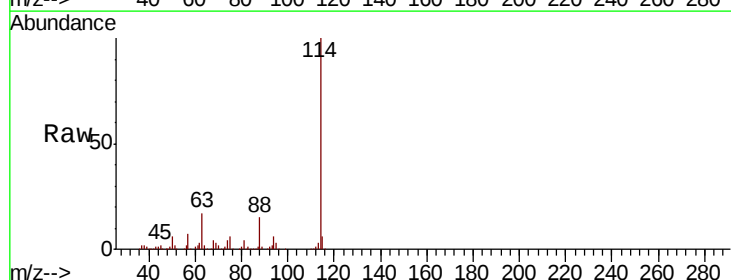
Tgt Ion: 114 Resp: 666806

Ion Ratio Lower Upper

114 100

63 17.3 15.4 23.0

88 14.8 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

400000

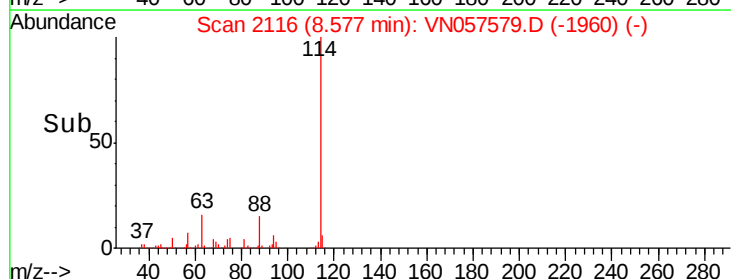
300000

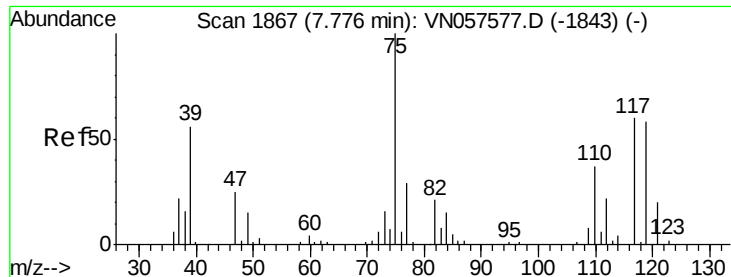
200000

100000

0

Time-->

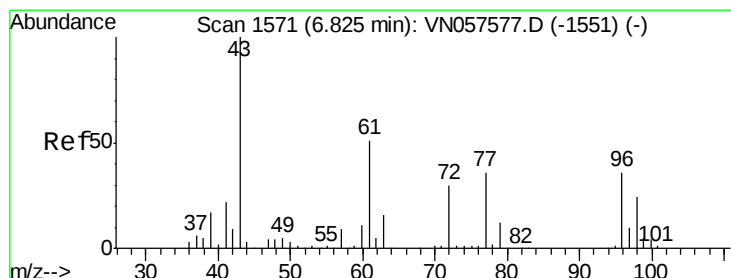
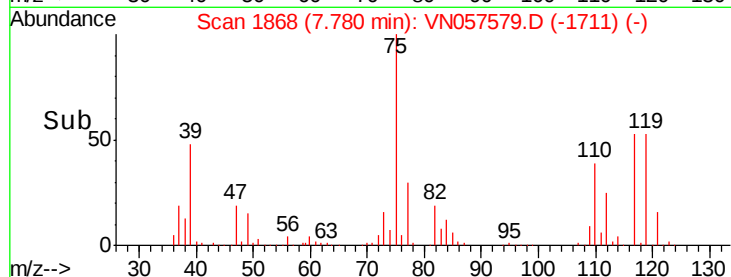
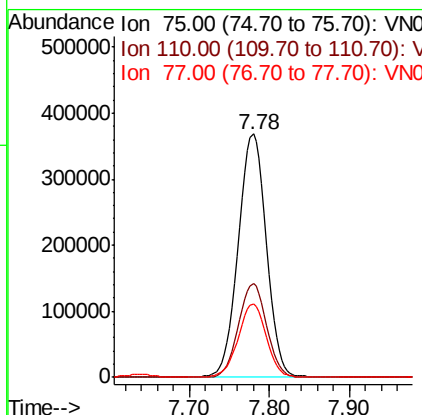
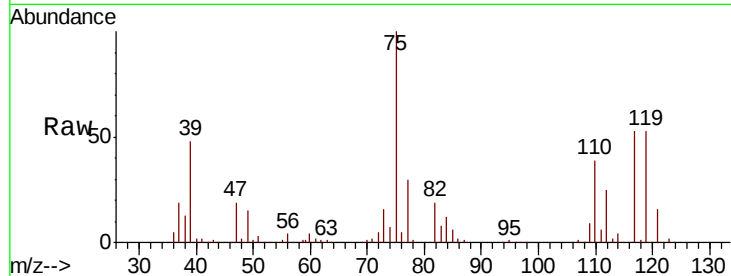




#29
 1,1-Dichloropropene
 Concen: 79.522 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

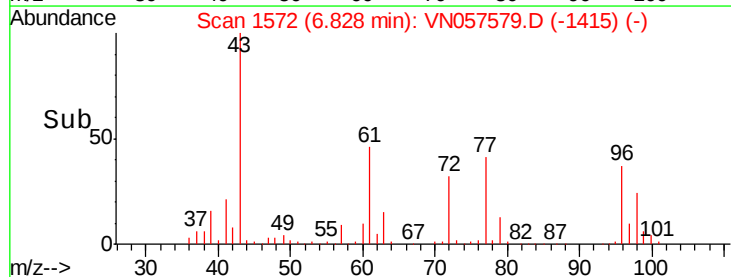
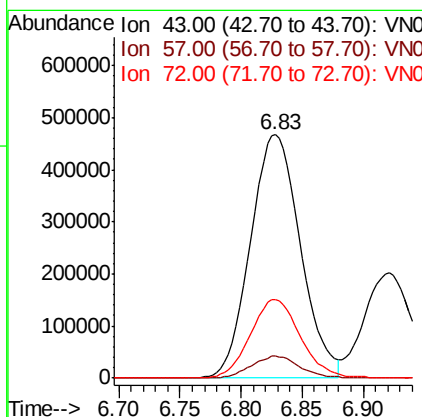
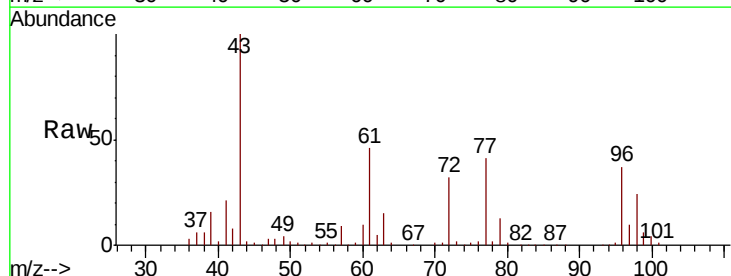
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

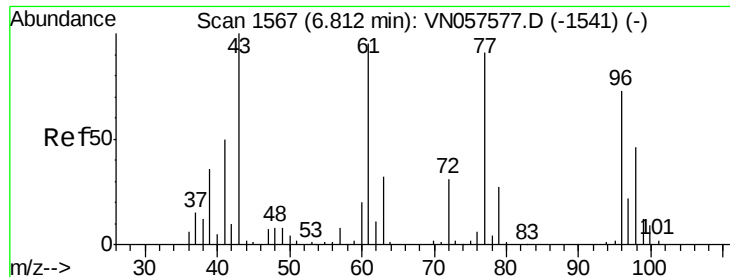
Tgt Ion: 75 Resp: 873109
 Ion Ratio Lower Upper
 75 100
 110 38.5 0.0 75.4
 77 30.3 0.0 61.0



#30
 2-Butanone
 Concen: 265.841 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 1324654
 Ion Ratio Lower Upper
 43 100
 57 8.8 3.5 5.3#
 72 32.5 24.6 36.8

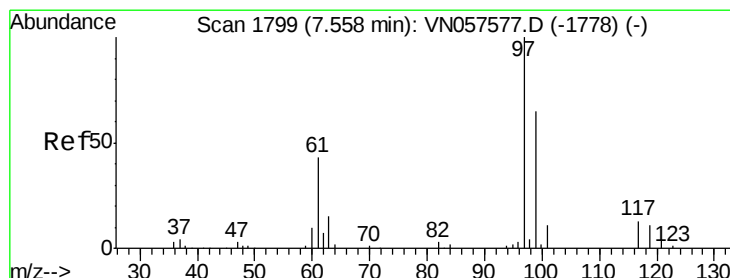
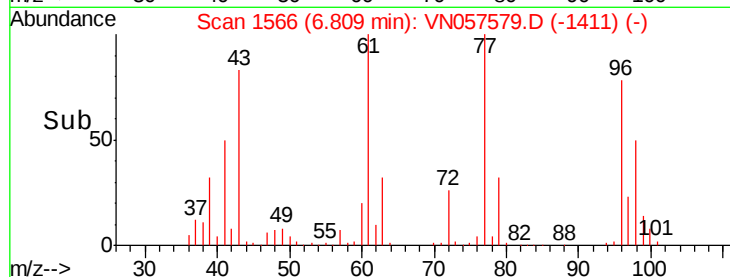
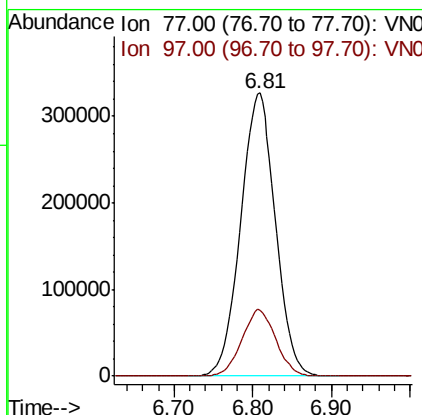
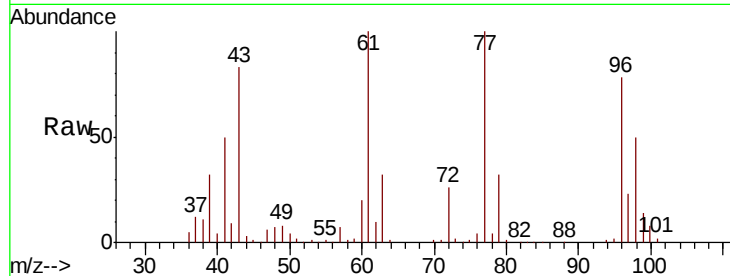




#31
 2,2-Dichloropropane
 Concen: 80.867 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

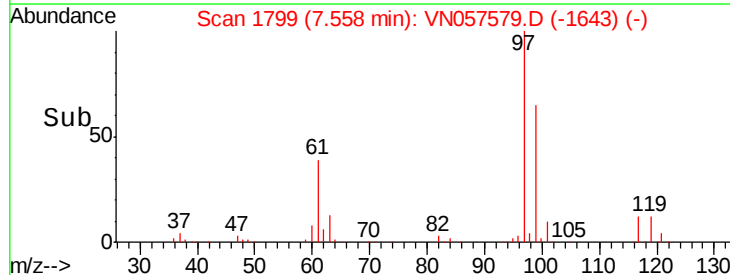
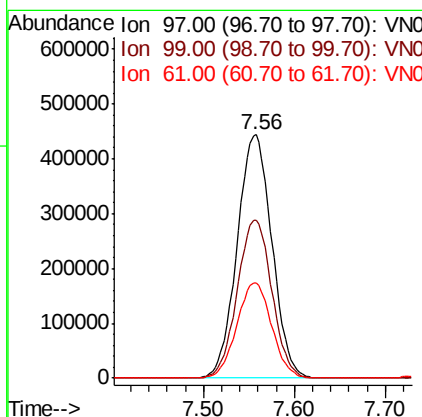
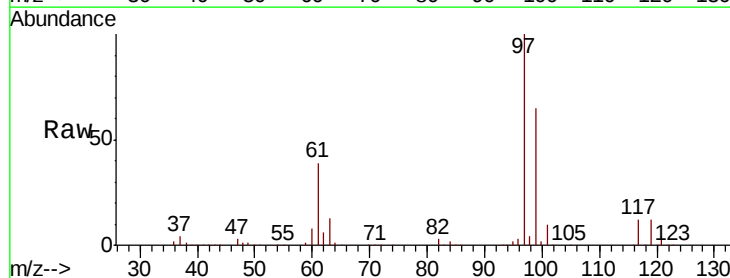
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

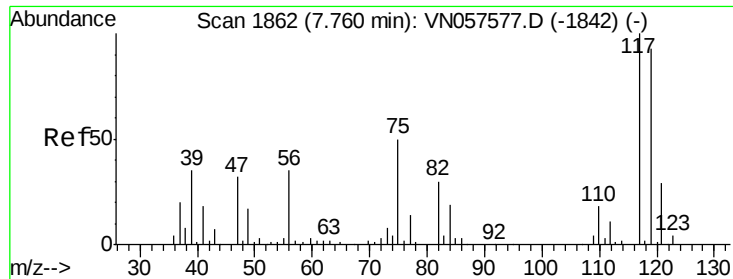
Tgt Ion: 77 Resp: 1016699
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 91.595 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 97 Resp: 1178321
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 39.5 34.4 51.6





#33

Carbon Tetrachloride

Concen: 96.324 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

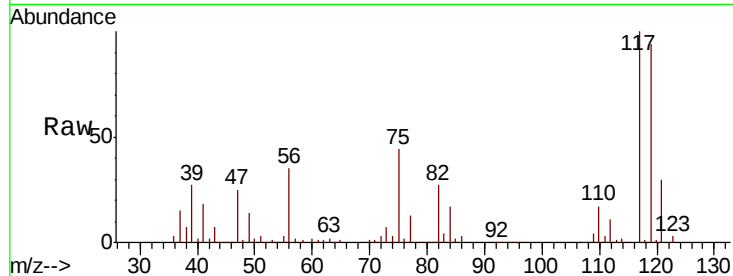
Tgt Ion:117 Resp: 1031272

Ion Ratio Lower Upper

117 100

119 94.1 74.6 111.8

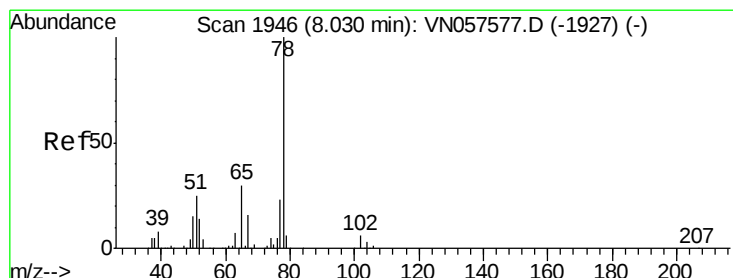
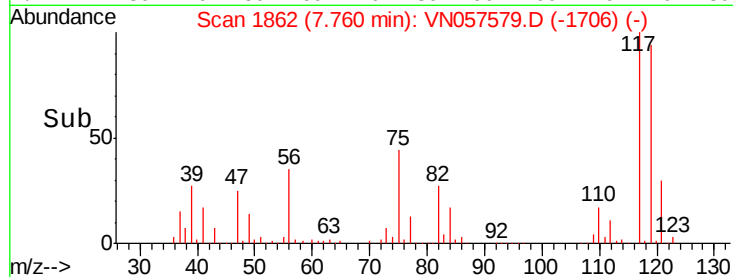
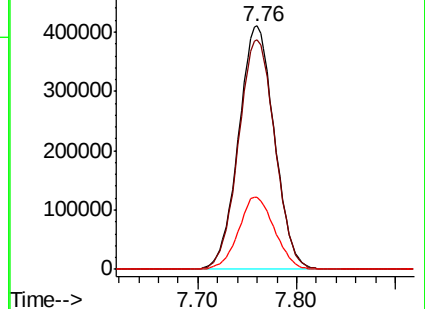
121 29.6 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 82.119 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

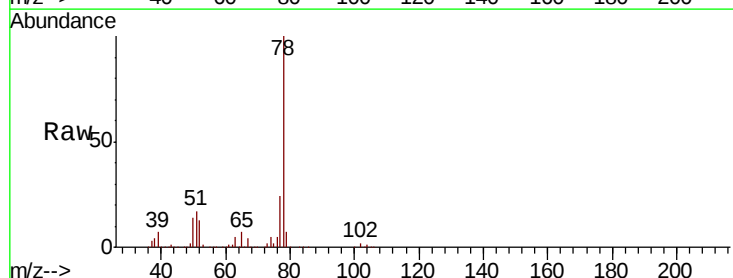
Tgt Ion: 78 Resp: 2653907

Ion Ratio Lower Upper

78 100

77 23.9 18.2 27.4

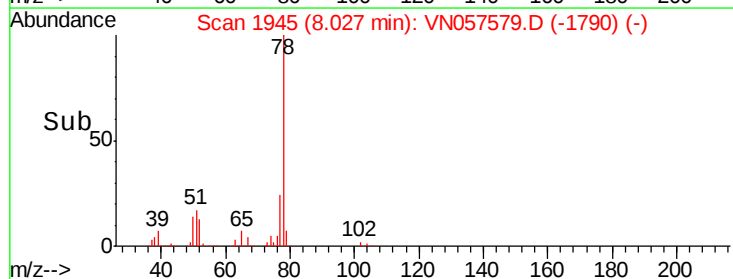
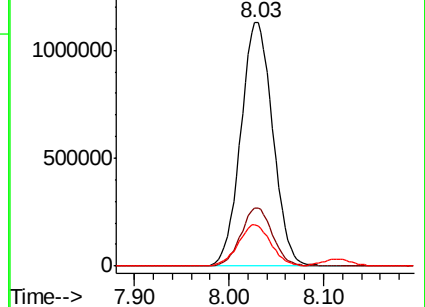
51 17.2 20.2 30.4#

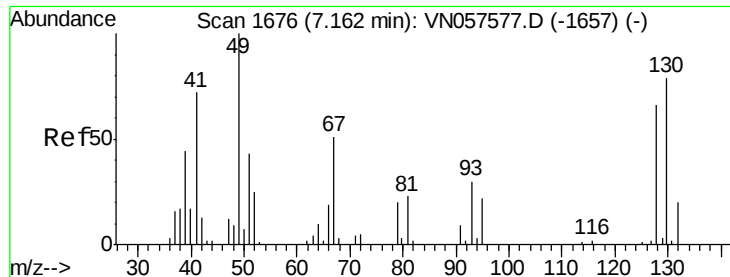


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

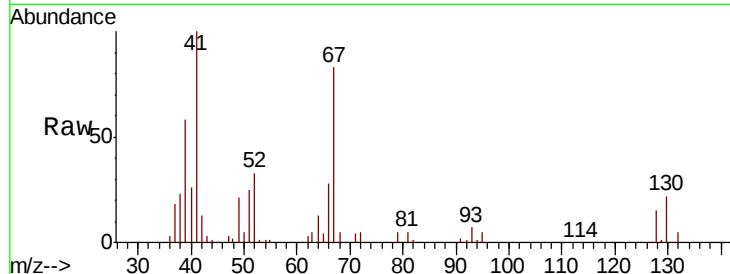




#35
Methacrylonitrile
Concen: 54.569 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	270669
Ion	Ratio	Lower	Upper
41	100		
39	57.7	30.4	91.2
67	83.2	35.6	106.8
52	32.4	17.2	51.5



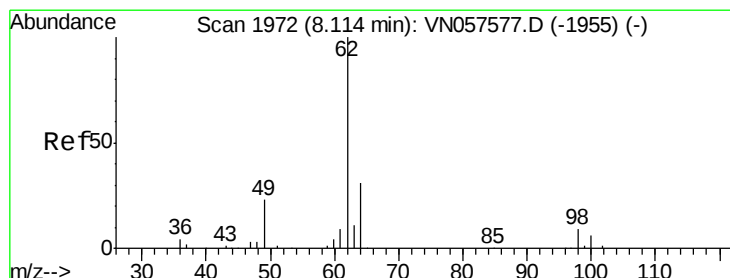
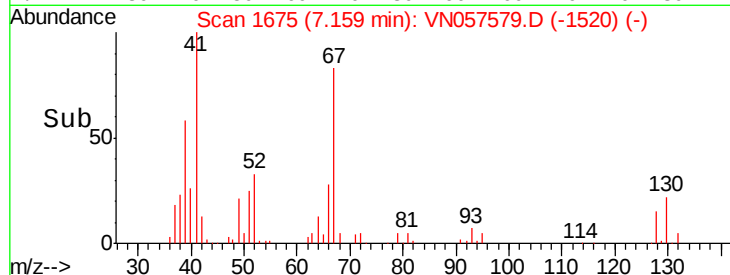
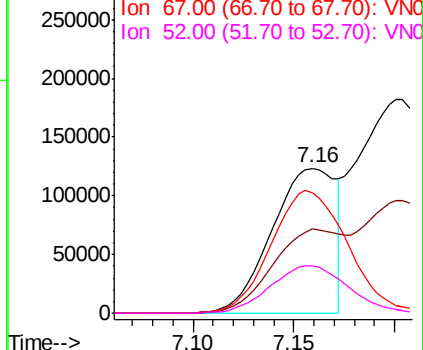
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

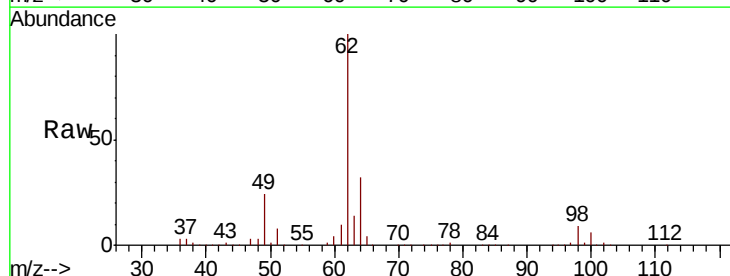
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 73.810 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

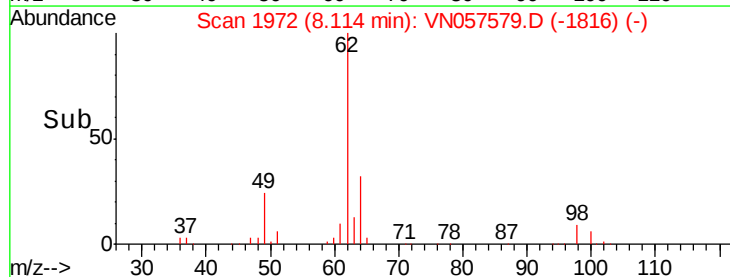
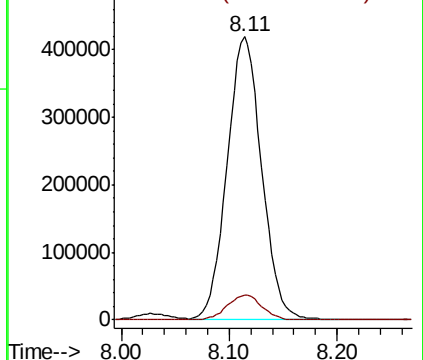
Tgt Ion:	62	Resp:	933252
Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.8	10.2

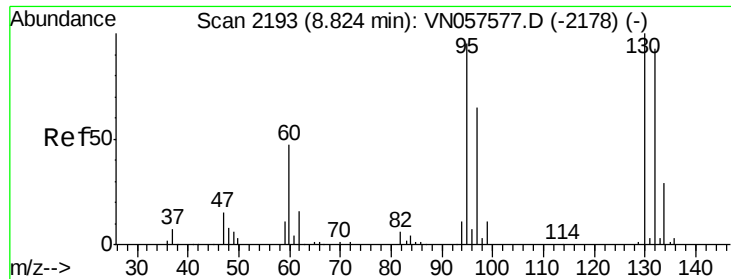


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

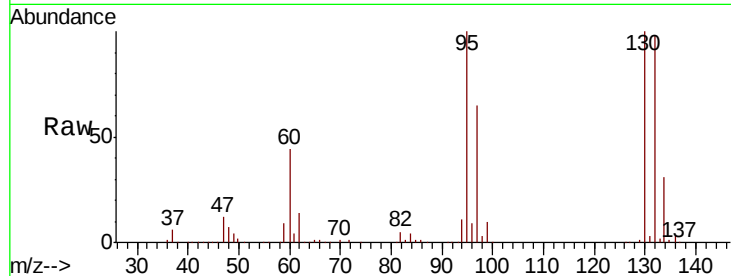




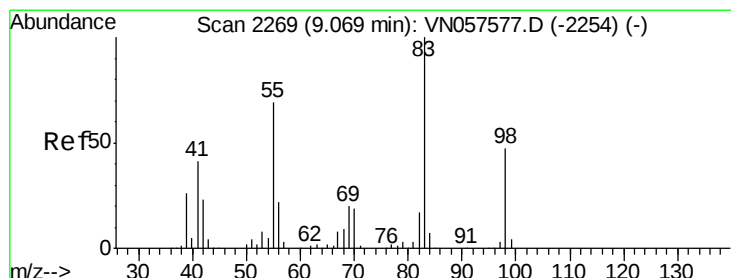
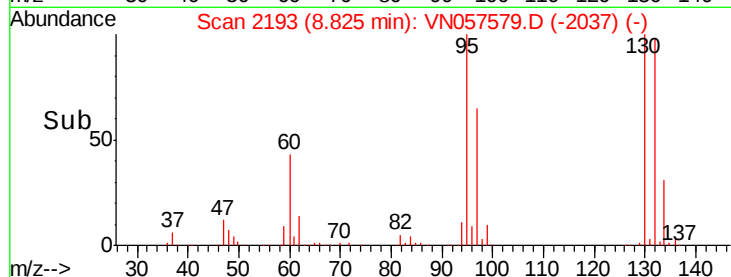
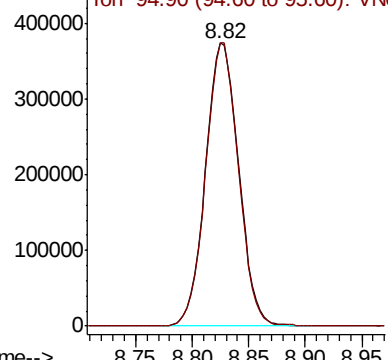
#37
 Trichloroethene
 Concen: 99.803 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 130 Resp: 766094
 Ion Ratio Lower Upper
 130 100
 95 99.9 76.2 114.2

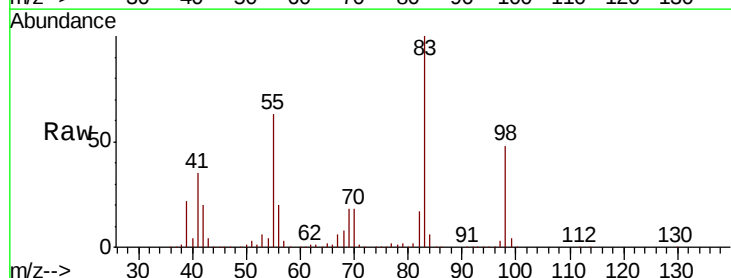


Abundance Ion 129.90 (129.60 to 130.60): VN057577.D (-2178) (-)
 Ion 94.90 (94.60 to 95.60): VN057577.D (-2178) (-)

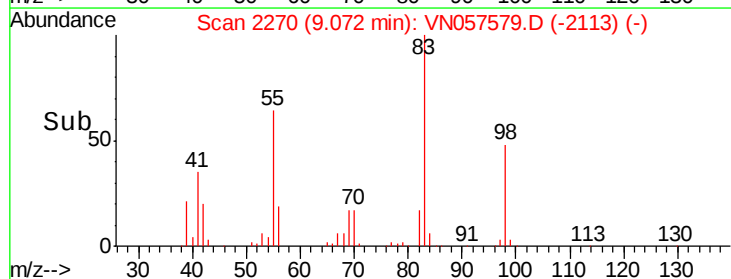
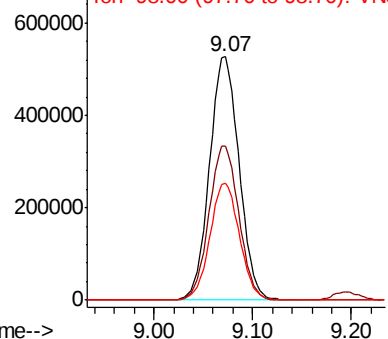


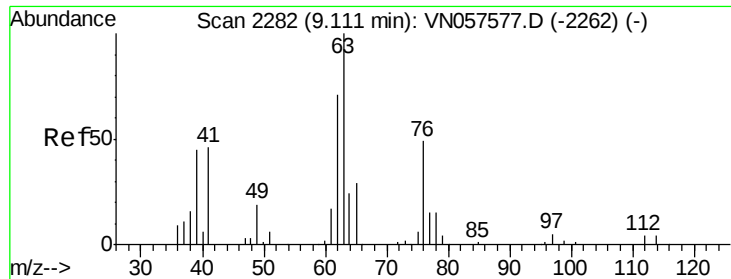
#38
 Methylcyclohexane
 Concen: 87.273 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 83 Resp: 1094768
 Ion Ratio Lower Upper
 83 100
 55 63.7 34.5 103.6
 98 48.1 23.4 70.3



Abundance Ion 83.00 (82.70 to 83.70): VN057577.D (-2254) (-)
 Ion 55.00 (54.70 to 55.70): VN057577.D (-2254) (-)
 Ion 98.00 (97.70 to 98.70): VN057577.D (-2254) (-)

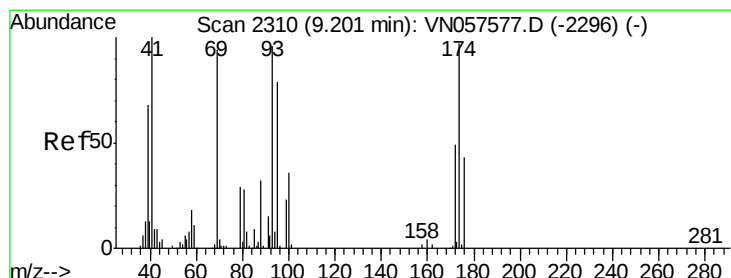
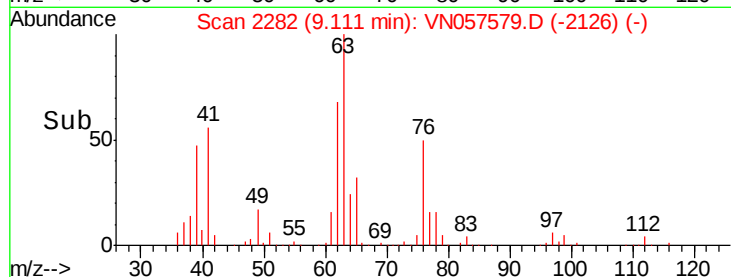
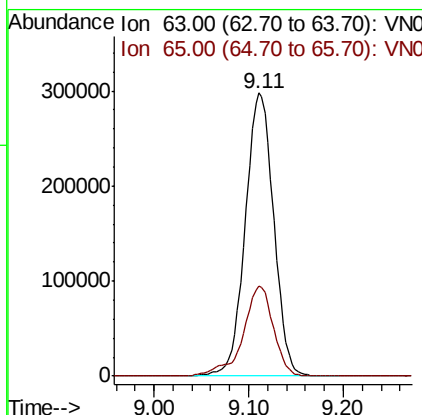
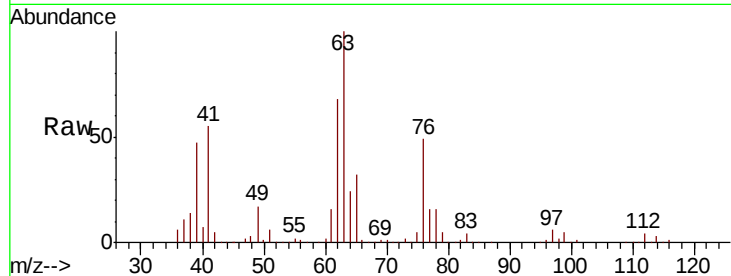




#39
 1,2-Dichloropropane
 Concen: 69.458 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

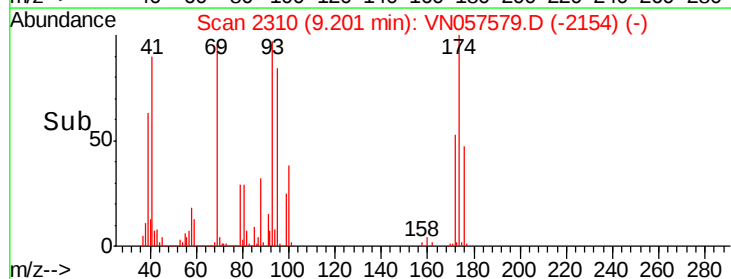
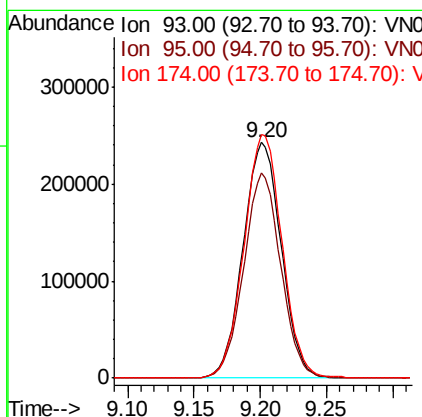
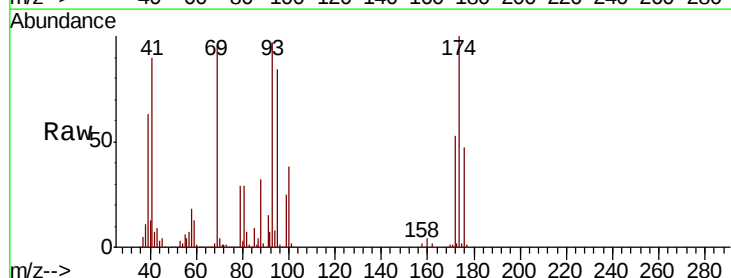
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

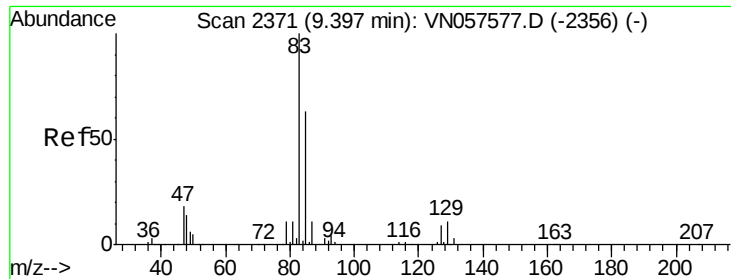
Tgt Ion: 63 Resp: 622222
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.2



#40
 Dibromomethane
 Concen: 85.376 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 93 Resp: 487168
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 162.8
 174 102.9 0.0 199.2

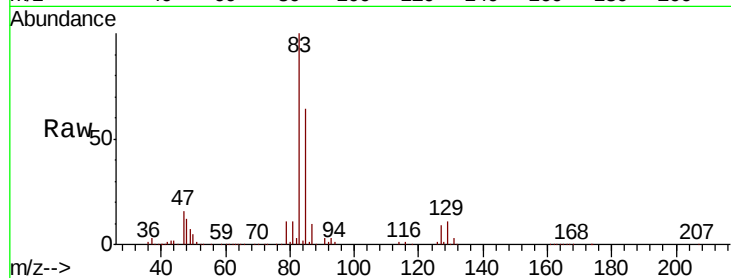




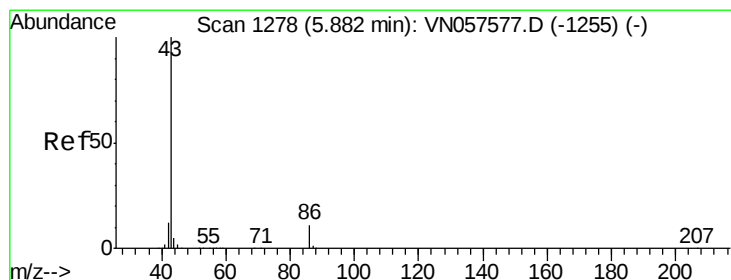
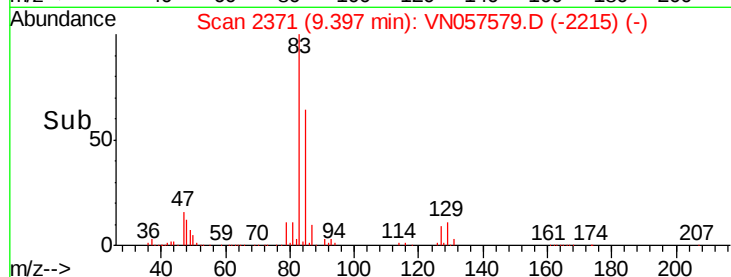
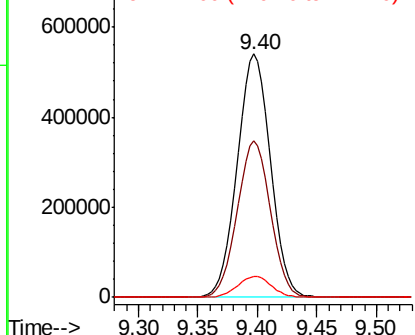
#41
Bromodichloromethane
Concen: 87.001 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 1048610
Ion Ratio Lower Upper
83 100
85 64.3 50.3 75.5
127 8.6 7.4 11.2

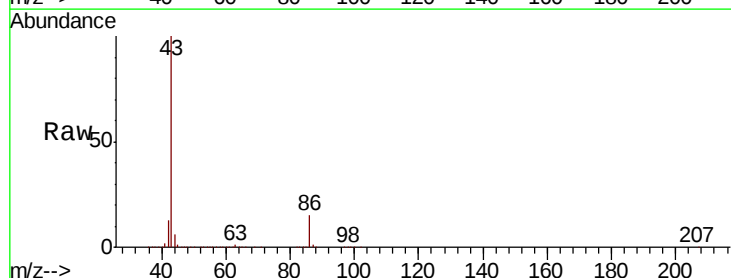


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

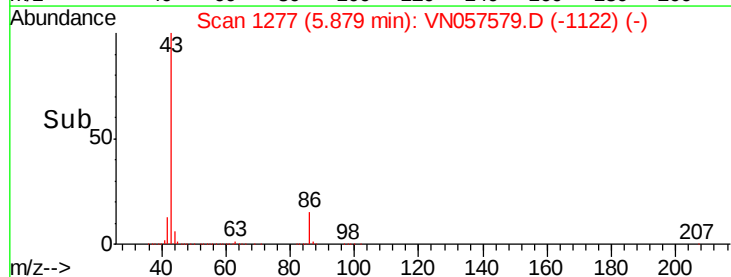
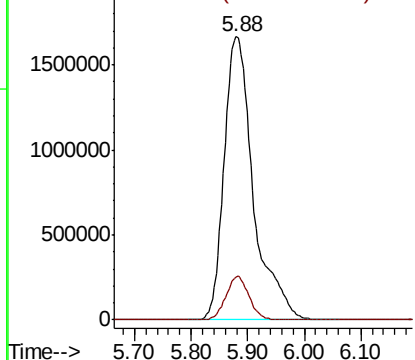


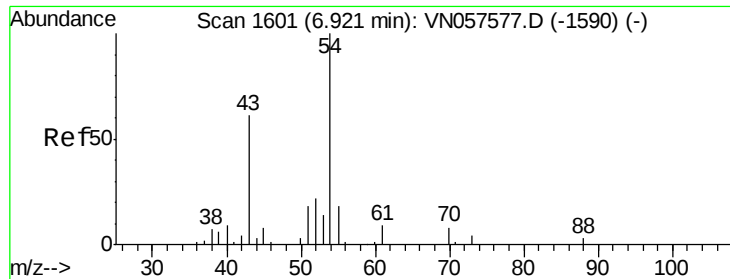
#42
Vinyl Acetate
Concen: 266.951 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 6002855
Ion Ratio Lower Upper
43 100
86 12.2 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

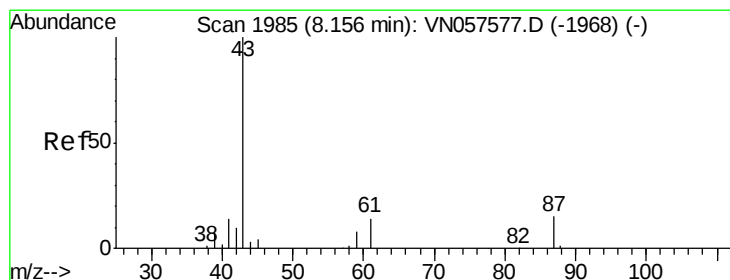
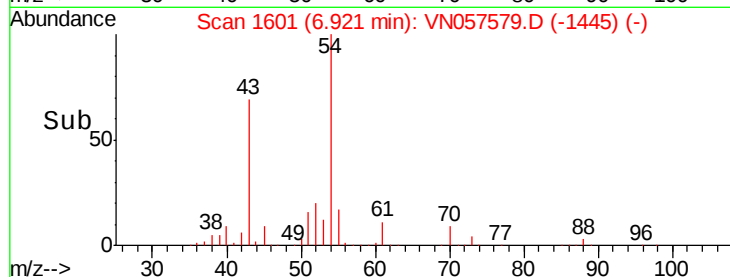
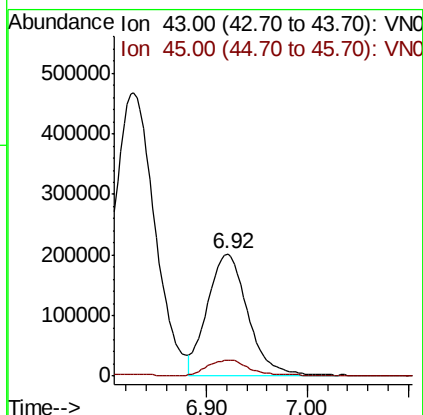
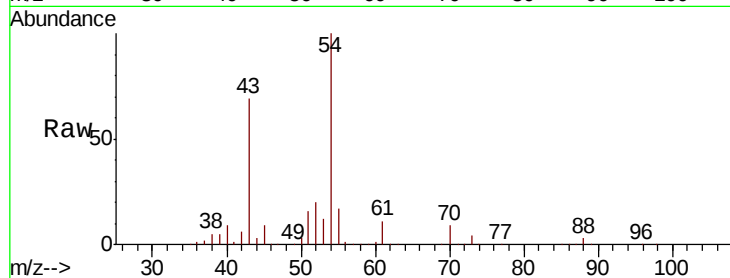




#43
 Ethyl Acetate
 Concen: 56.672 ug/l
 RT: 6.92 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

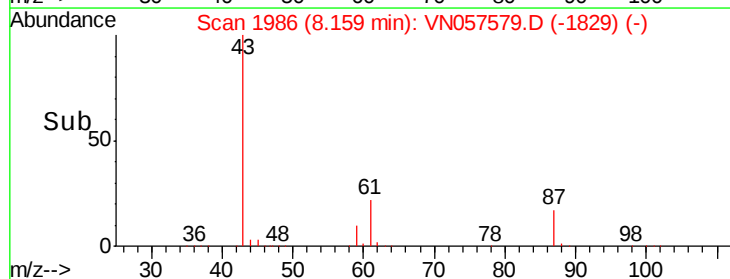
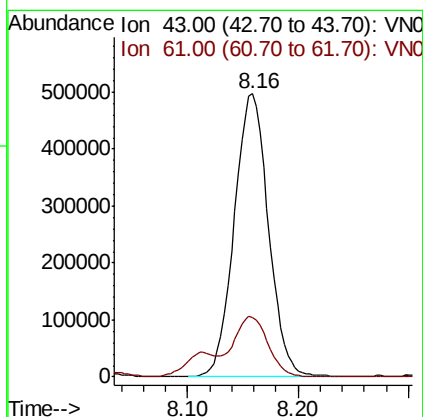
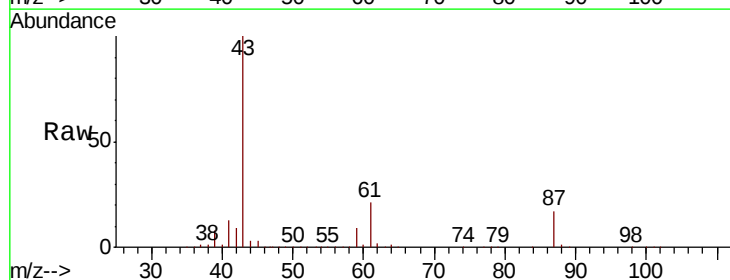
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

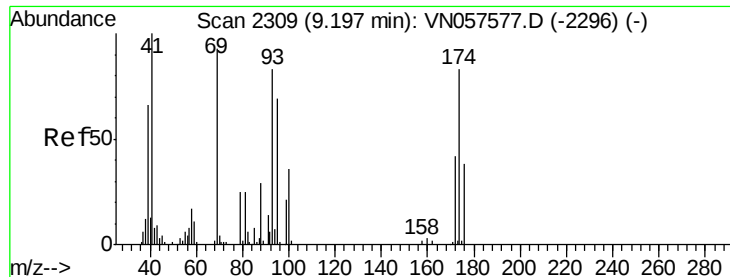
Tgt Ion: 43 Resp: 551993
 Ion Ratio Lower Upper
 43 100
 45 14.2 9.9 14.9



#44
 Isopropyl Acetate
 Concen: 56.972 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 1064228
 Ion Ratio Lower Upper
 43 100
 61 20.5 16.0 24.0

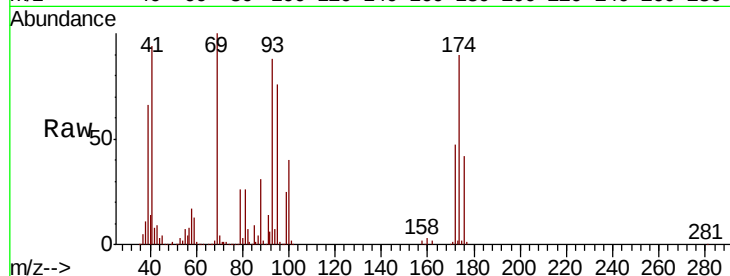




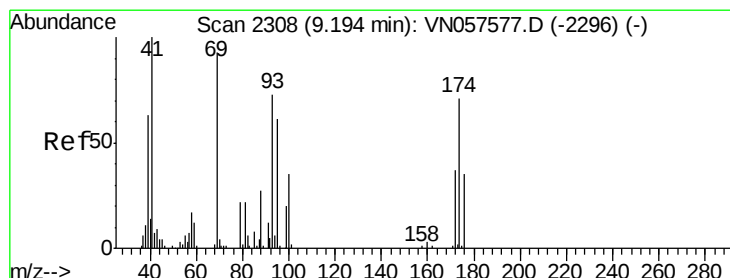
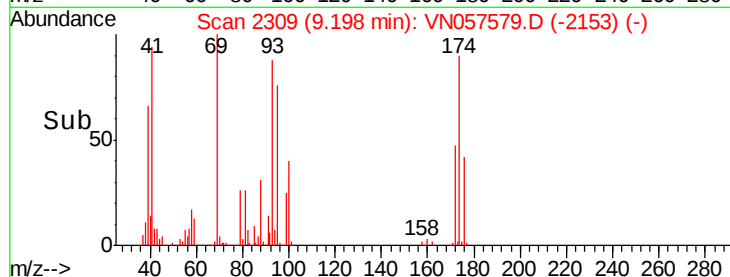
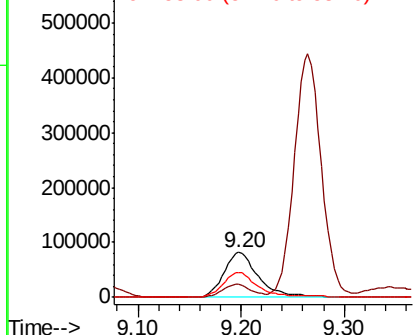
#45
 1,4-Dioxane
 Concen: 1618.163 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 191244
 Ion Ratio Lower Upper
 88 100
 43 23.5 18.2 27.4
 58 53.8 45.0 67.6

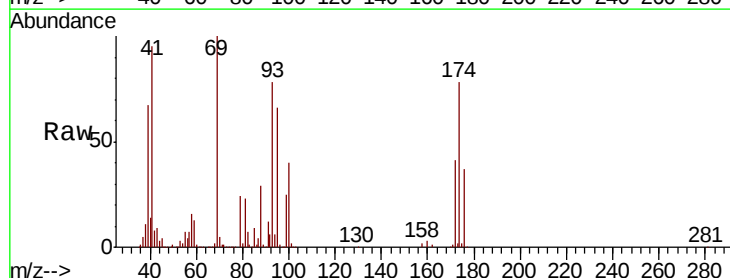


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

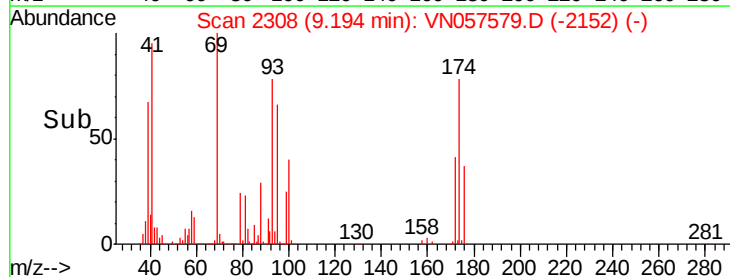
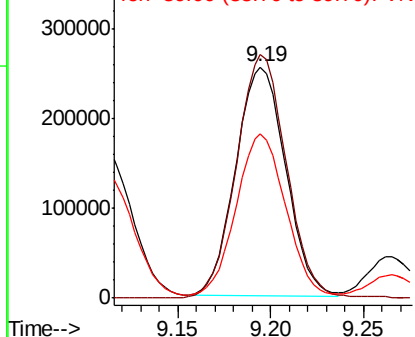


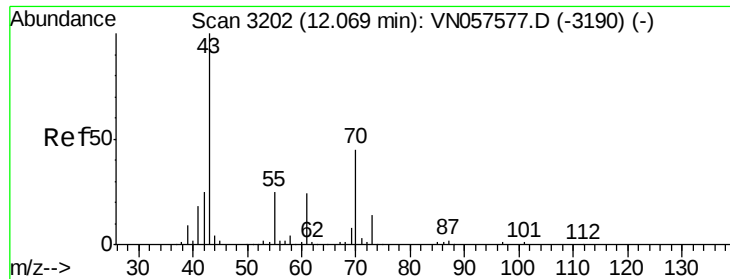
#46
 Methyl methacrylate
 Concen: 53.514 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 41 Resp: 476199
 Ion Ratio Lower Upper
 41 100
 69 106.1 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: 60.910 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

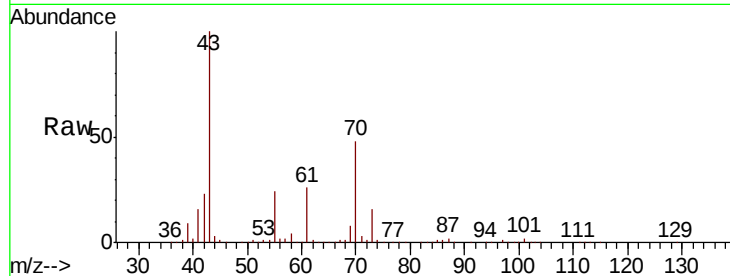
VSTDICC100

Tgt Ion: 43 Resp: 927275

Ion Ratio Lower Upper

43 100

55 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

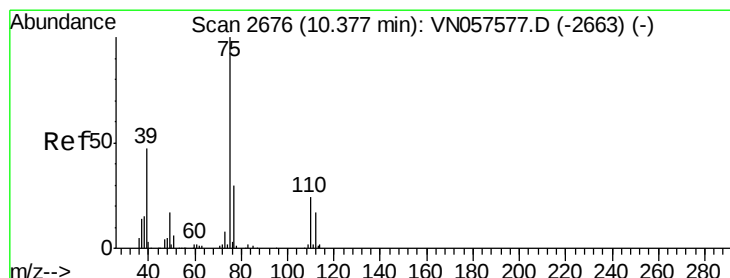
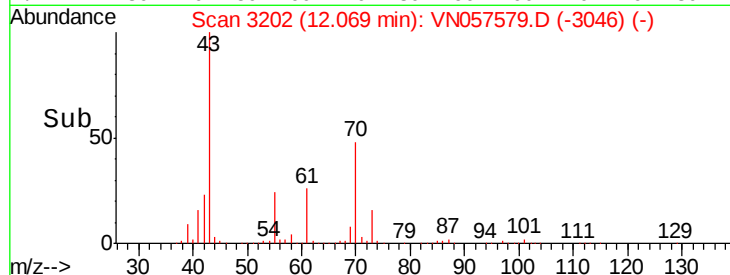
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 84.324 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057579.D

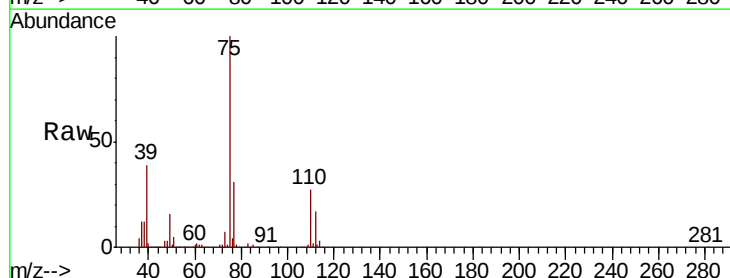
Acq: 30 Aug 2019 10:24

Tgt Ion: 75 Resp: 1060755

Ion Ratio Lower Upper

75 100

77 30.8 23.8 35.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

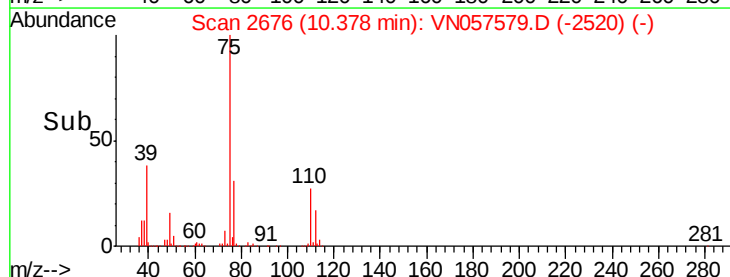
600000

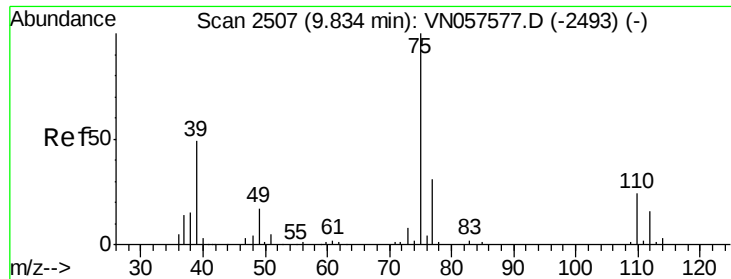
400000

200000

0

Time-->

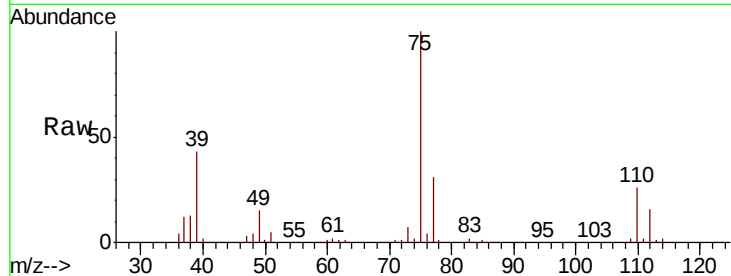




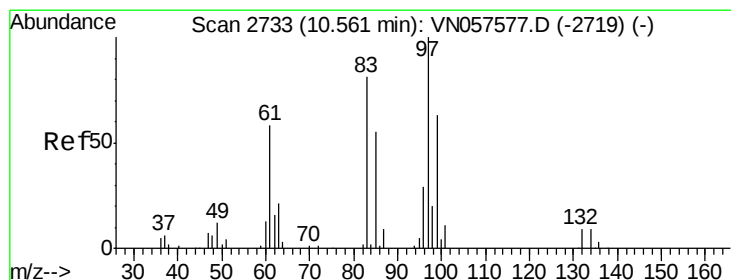
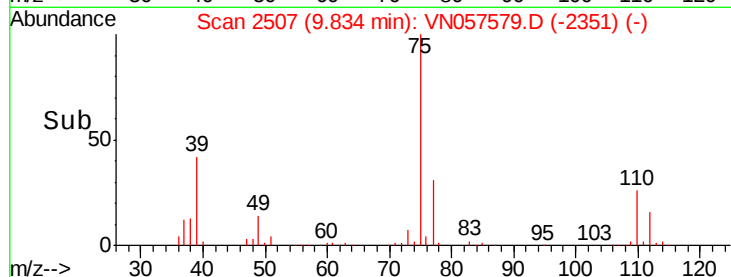
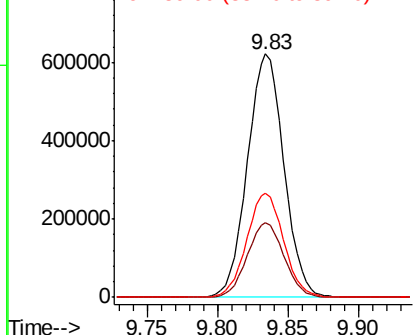
#49
 cis-1,3-Dichloropropene
 Concen: 81.825 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 75 Resp: 1126546
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4
 39 42.6 39.0 58.4

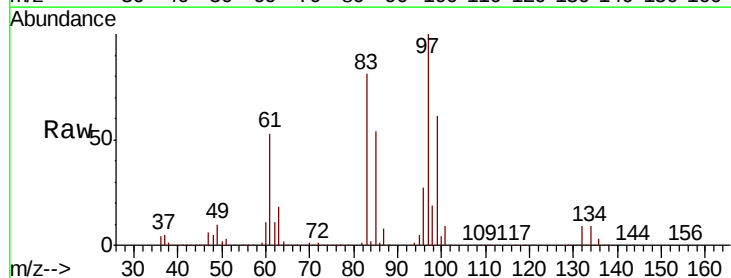


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

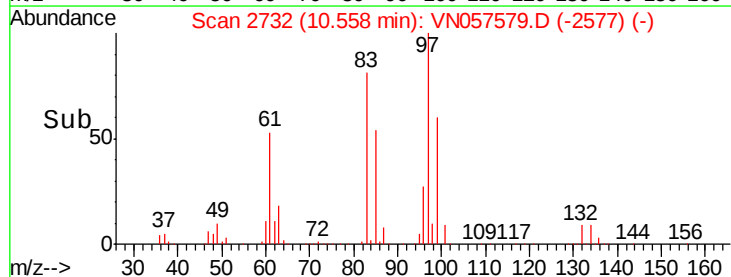
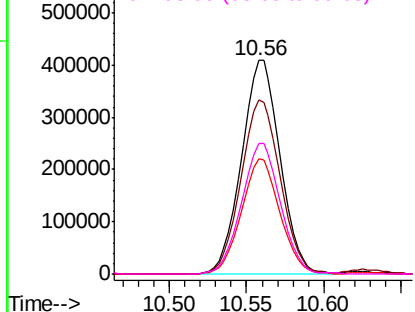


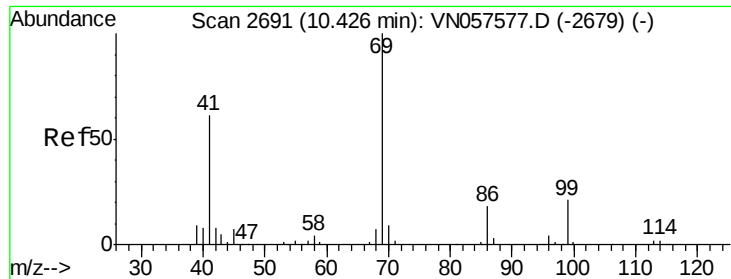
#50
 1,1,2-Trichloroethane
 Concen: 94.639 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 97 Resp: 711493
 Ion Ratio Lower Upper
 97 100
 83 81.2 65.1 97.7
 85 53.8 43.7 65.5
 99 61.0 50.7 76.1



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 79.179 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

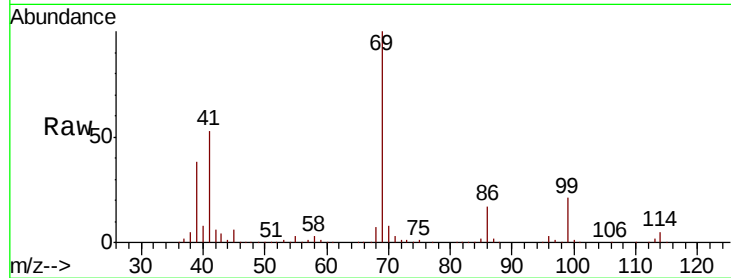
Tgt Ion: 69 Resp: 955350

Ion Ratio Lower Upper

69 100

41 53.2 30.6 92.0

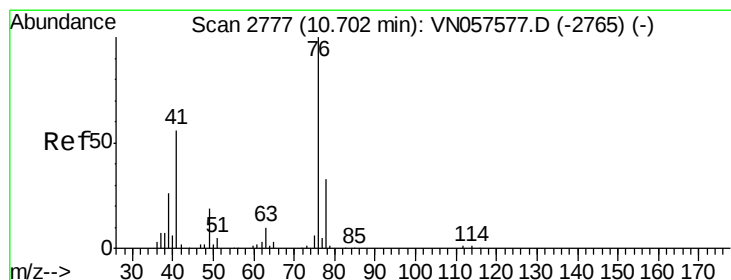
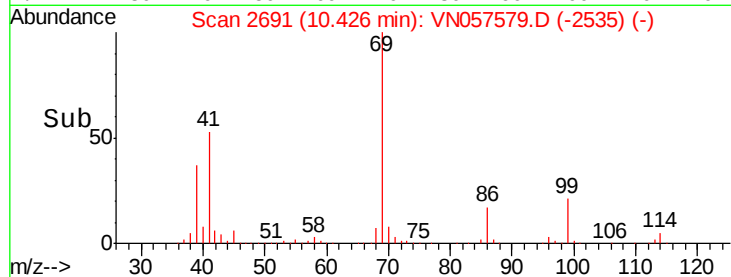
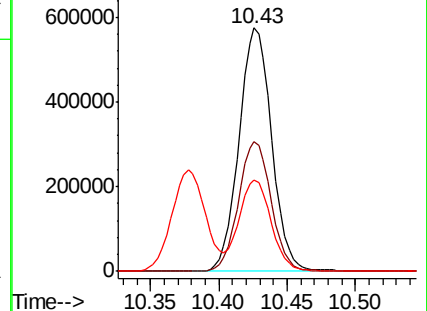
39 37.4 22.3 66.9



Abundance Ion 69.00 (68.70 to 69.70): VN057577.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN057577.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN057577.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 81.895 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057579.D

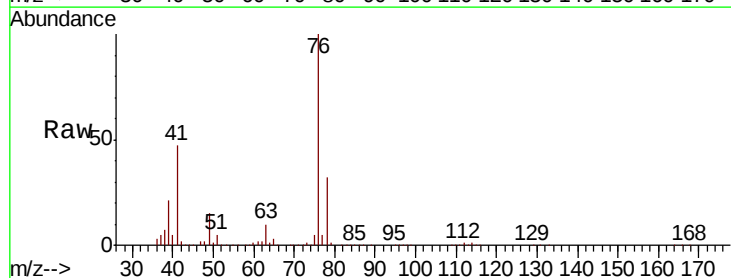
Acq: 30 Aug 2019 10:24

Tgt Ion: 76 Resp: 1098126

Ion Ratio Lower Upper

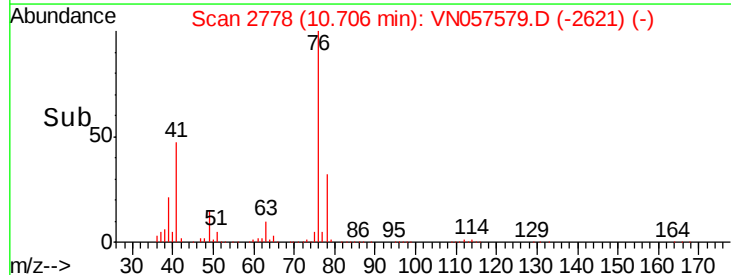
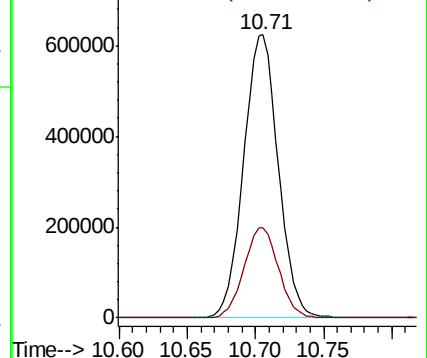
76 100

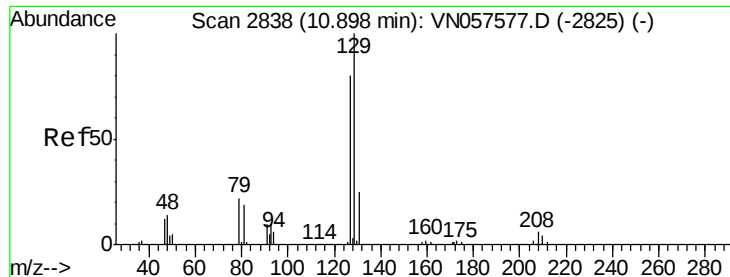
78 32.0 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN057577.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN057577.D (-2765) (-)





#53

Dibromochloromethane

Concen: 107.039 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

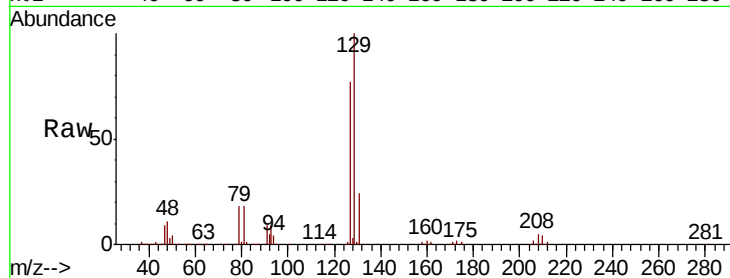
VSTDIC100

Tgt Ion:129 Resp: 863897

Ion Ratio Lower Upper

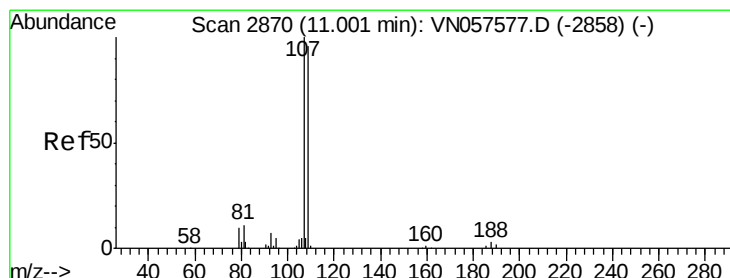
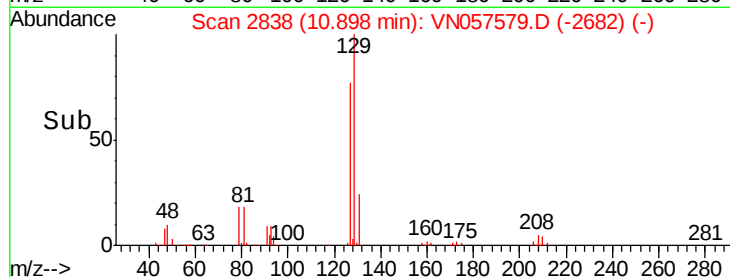
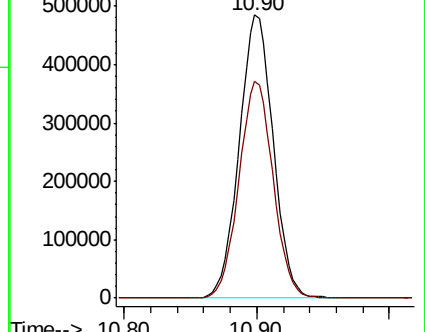
129 100

127 77.0 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 98.802 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057579.D

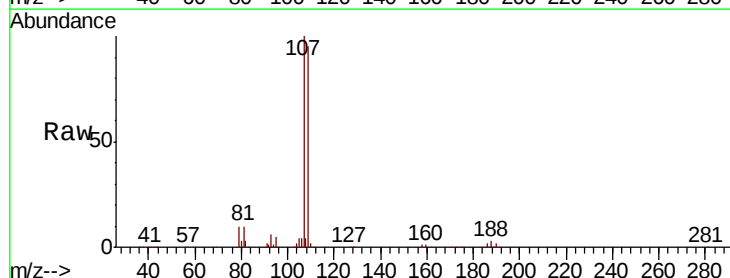
Acq: 30 Aug 2019 10:24

Tgt Ion:107 Resp: 765648

Ion Ratio Lower Upper

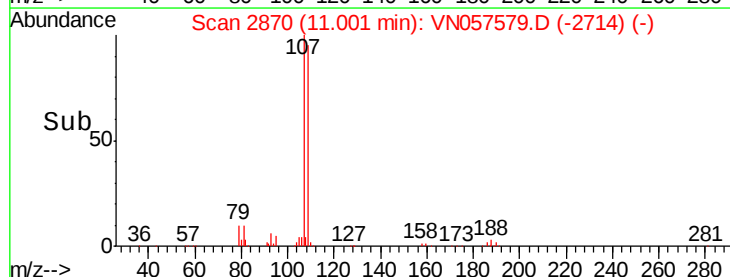
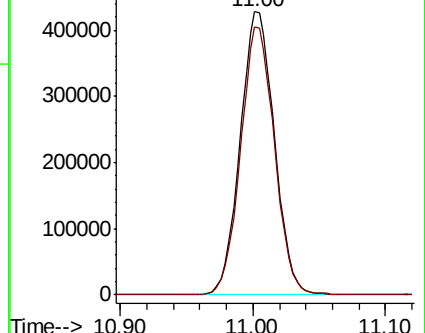
107 100

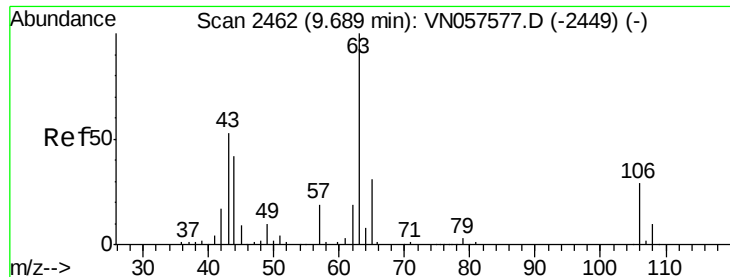
109 93.6 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

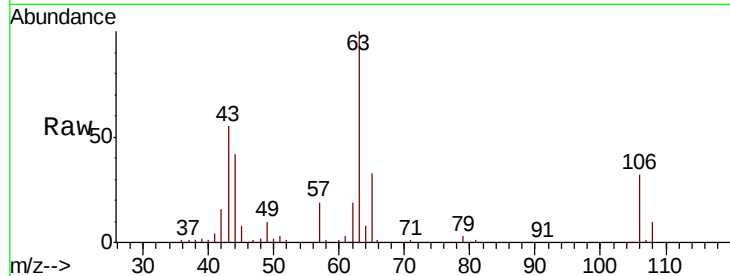




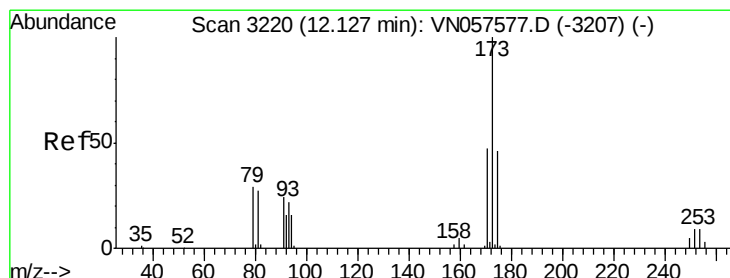
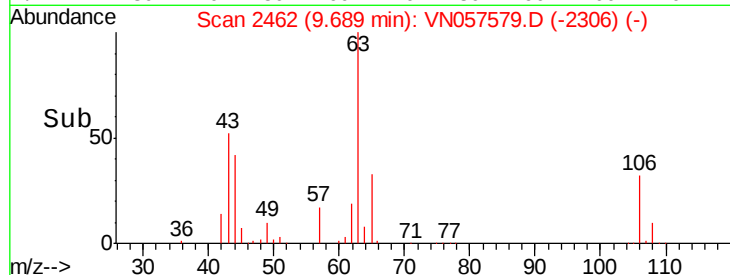
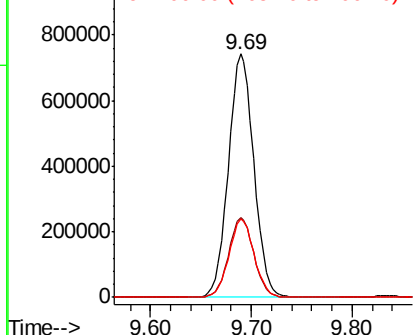
#55
 2-Chloroethyl vinyl ether
 Concen: 431.100 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 1304402
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.0 37.4
 106 32.0 23.7 35.5

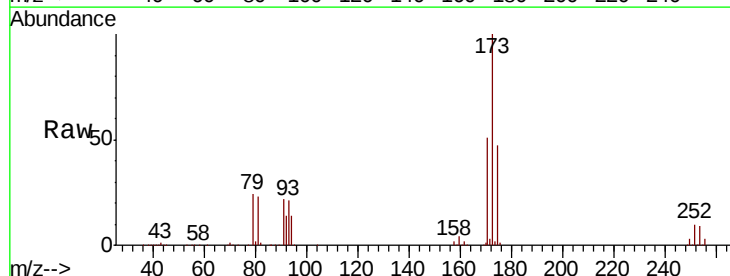


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 65.00 (64.70 to 65.70): VN0
 Ion 106.00 (105.70 to 106.70): VN0

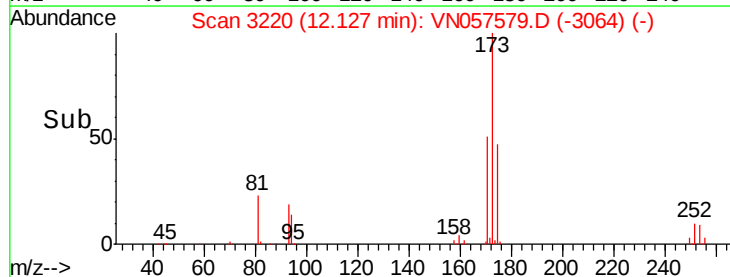
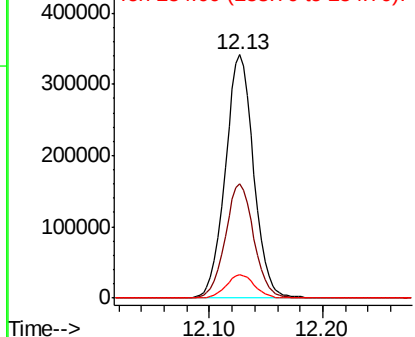


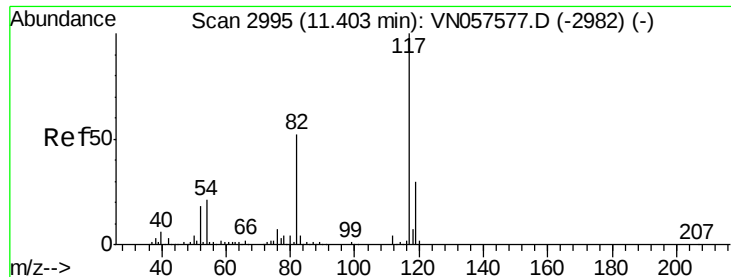
#56
 Bromoform
 Concen: 120.310 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 173 Resp: 592335
 Ion Ratio Lower Upper
 173 100
 175 47.2 37.3 55.9
 254 9.6 2.2 3.2#



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V

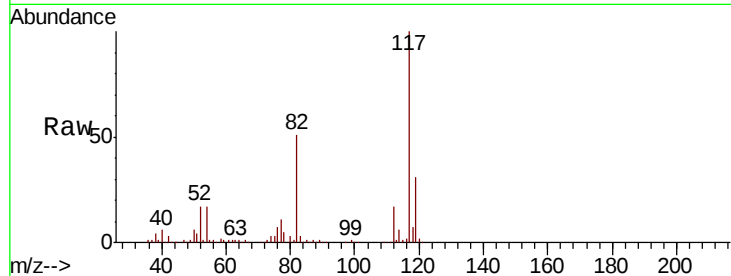




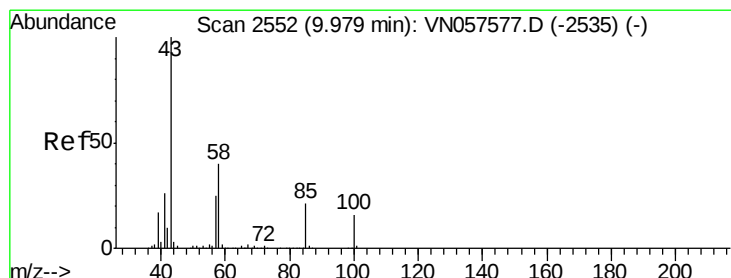
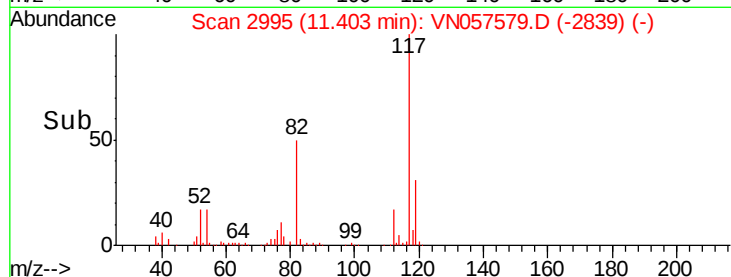
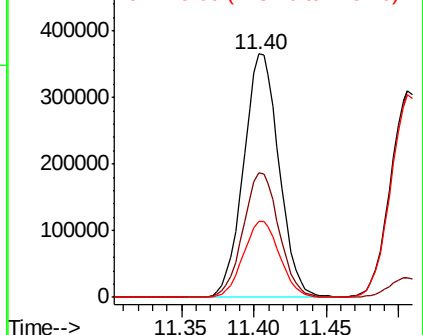
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 622584
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 32.0 25.0 37.6

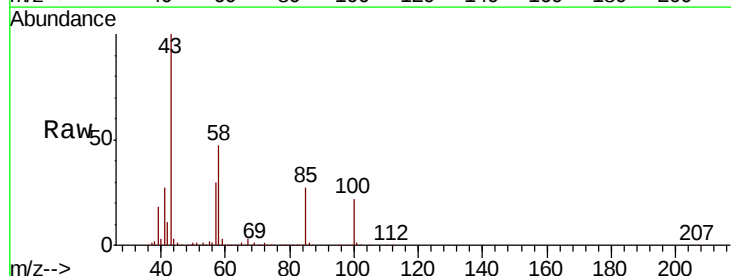


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 119.00 (118.70 to 119.70): V

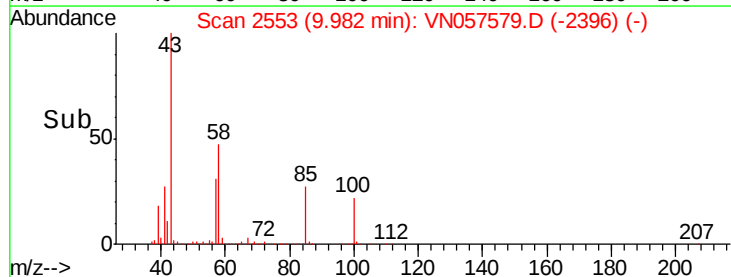
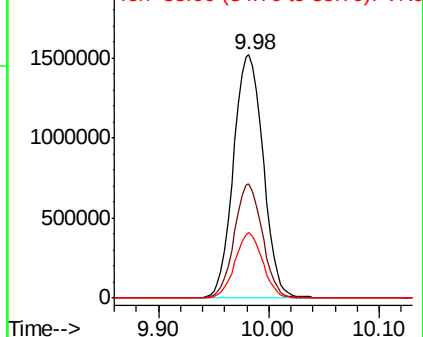


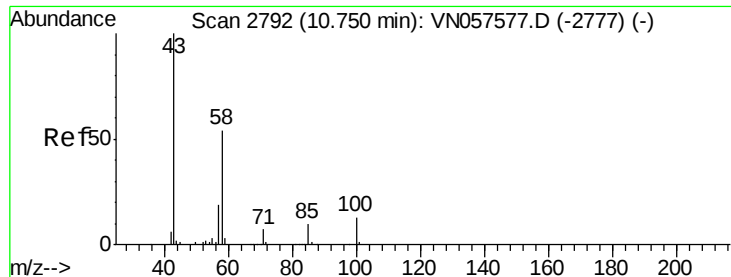
#58
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 2844372
Ion Ratio Lower Upper
43 100
58 44.4 32.1 48.1
85 24.9 16.6 24.8#



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

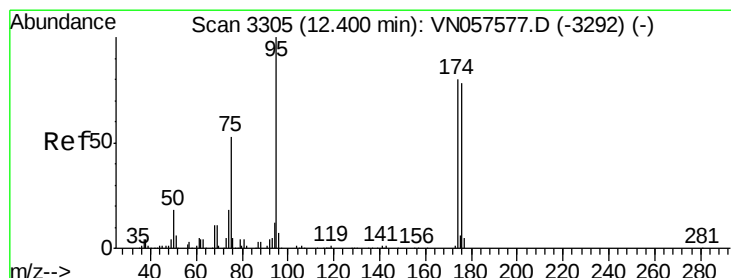
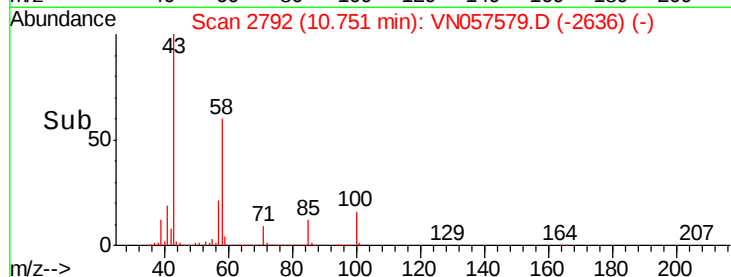
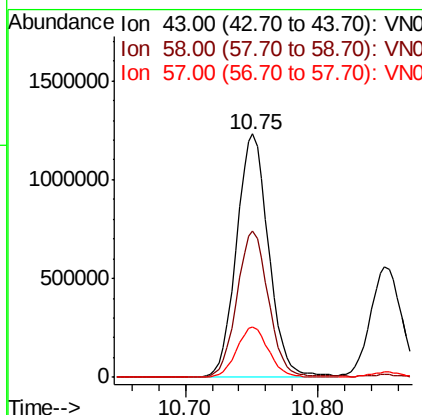
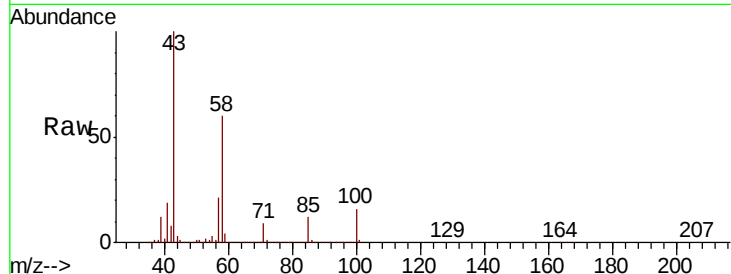




#59
2-Hexanone
Concen: 268.694 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

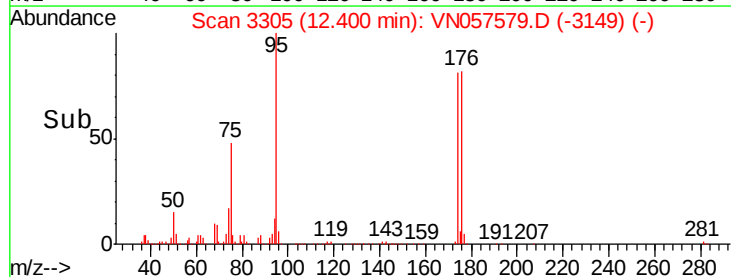
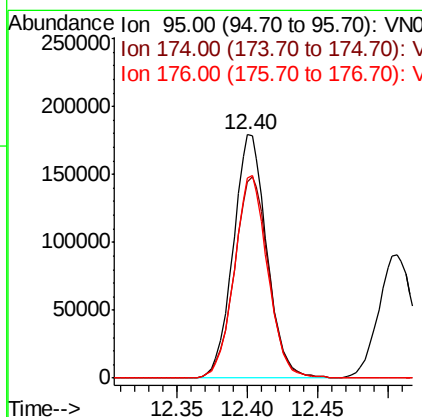
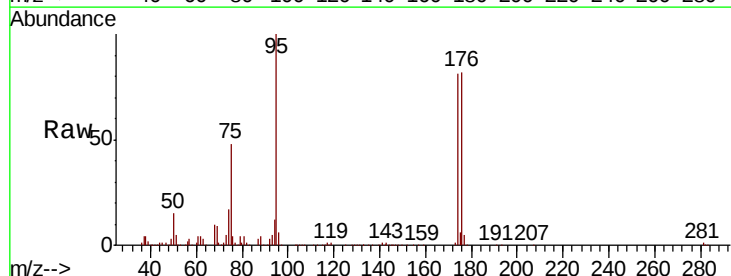
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

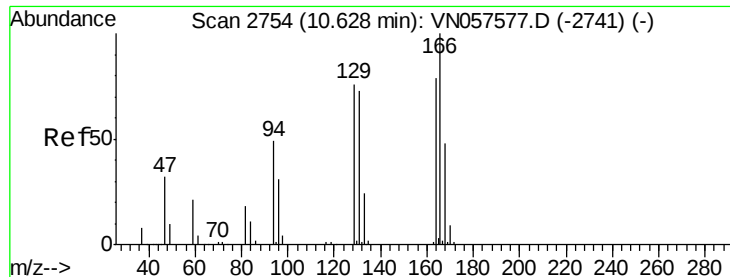
Tgt Ion: 43 Resp: 2070285
Ion Ratio Lower Upper
43 100
58 59.3 42.9 64.3
57 20.6 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 29.548 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 95 Resp: 299278
Ion Ratio Lower Upper
95 100
174 84.6 66.2 99.2
176 82.8 65.0 97.6





#61

Tetrachloroethene

Concen: 100.927 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 736399

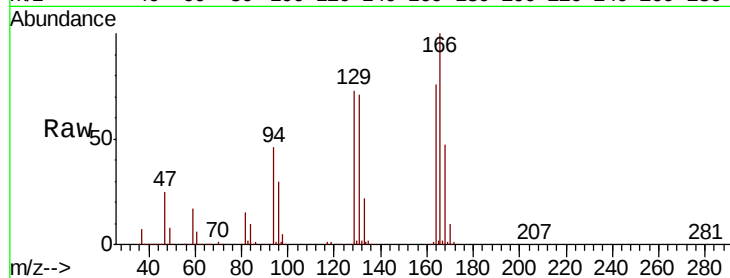
Ion Ratio Lower Upper

164 100

166 131.6 100.7 151.1

129 96.1 76.3 114.5

131 93.7 73.8 110.6

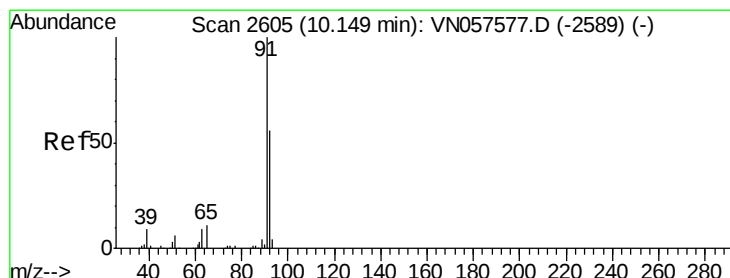
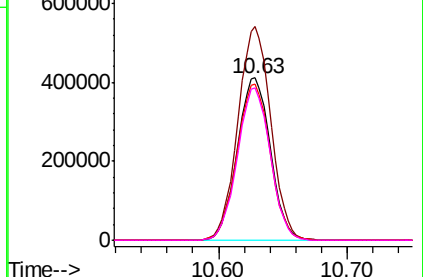
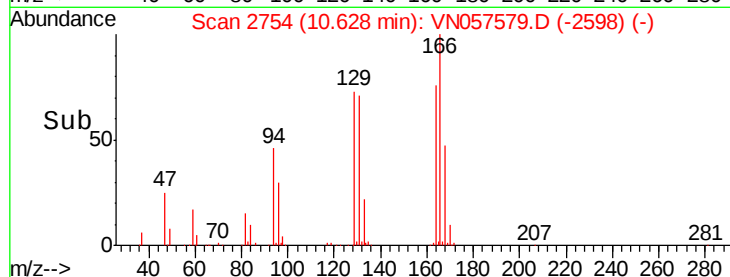


Abundance Ion 163.85 (163.55 to 164.55): V

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: 81.292 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057579.D

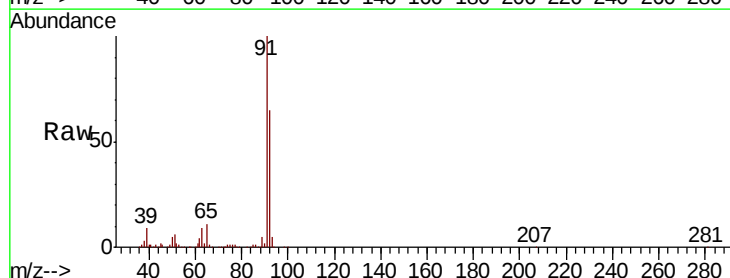
Acq: 30 Aug 2019 10:24

Tgt Ion: 91 Resp: 3016269

Ion Ratio Lower Upper

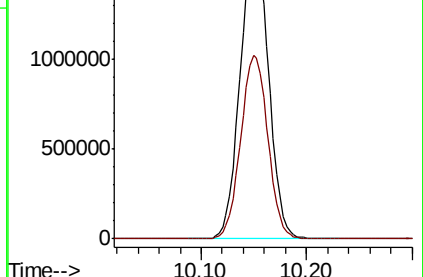
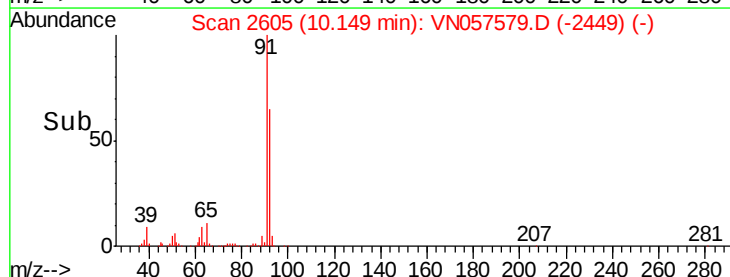
91 100

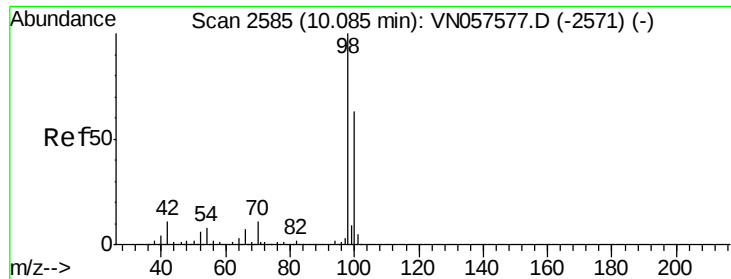
92 60.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 27.302 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

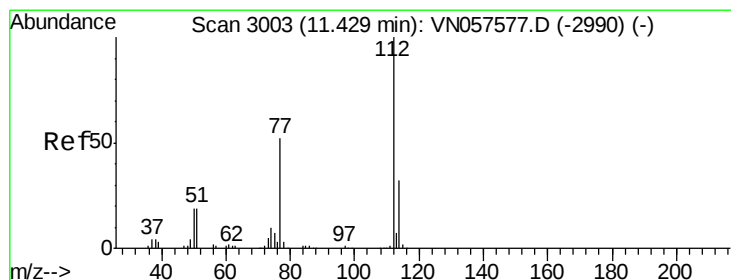
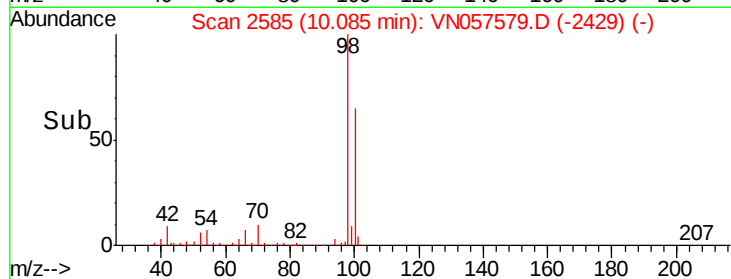
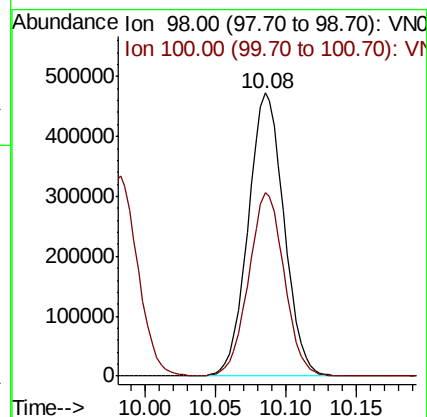
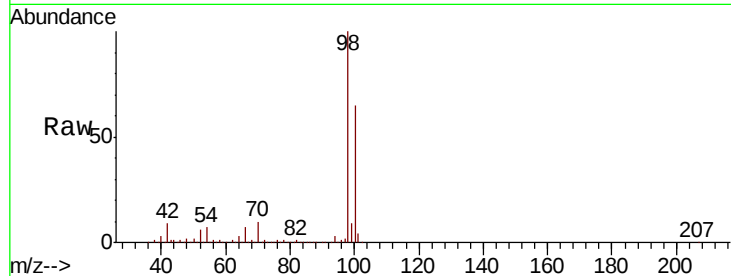
VSTDIC100

Tgt Ion: 98 Resp: 841857

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2



#64

Chlorobenzene

Concen: 97.902 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057579.D

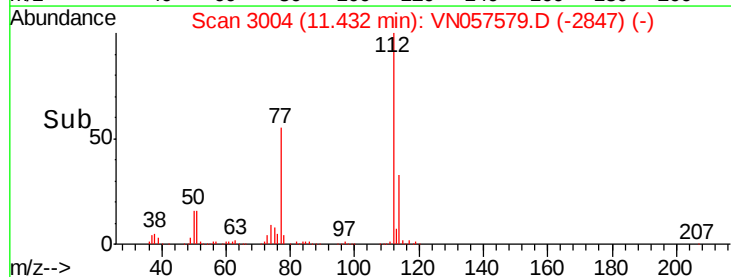
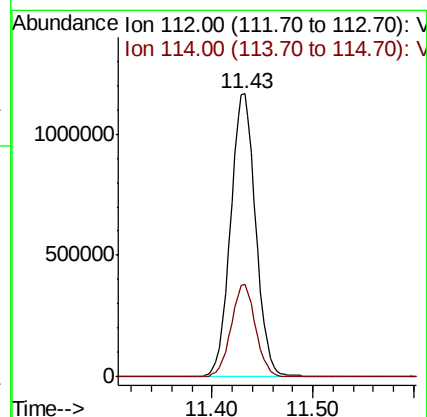
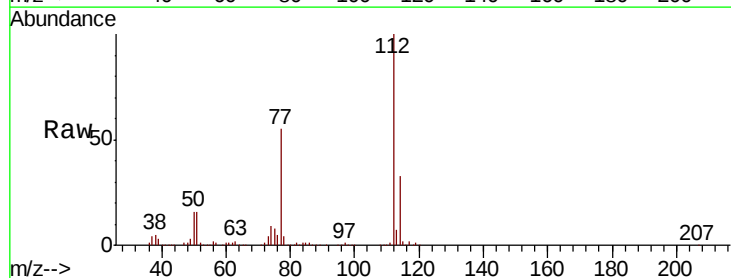
Acq: 30 Aug 2019 10:24

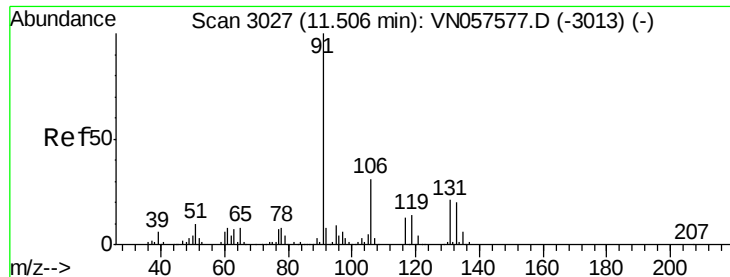
Tgt Ion: 112 Resp: 2027505

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 102.610 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

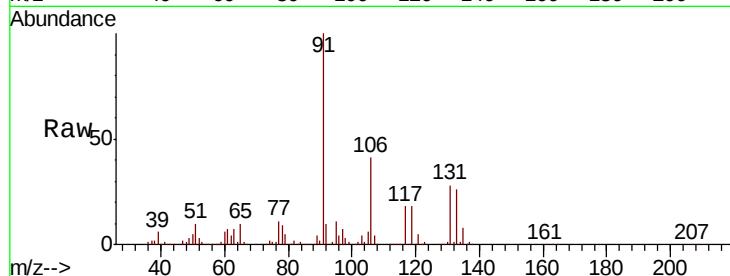
Tgt Ion:131 Resp: 807380

Ion Ratio Lower Upper

131 100

133 95.6 0.0 186.0

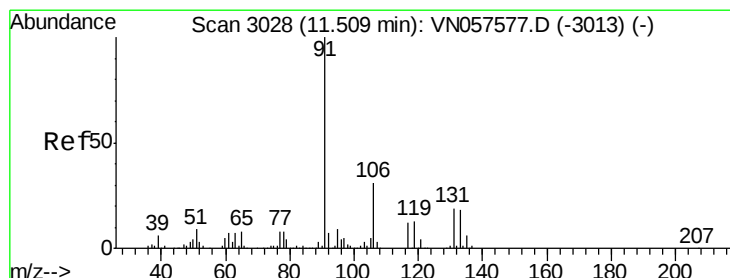
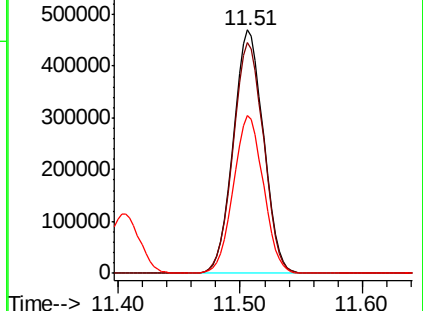
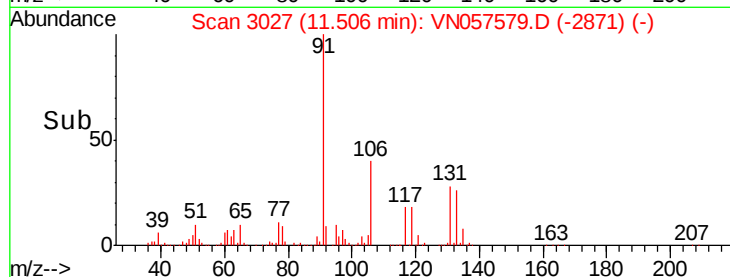
119 64.2 0.0 134.6



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: 79.492 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057579.D

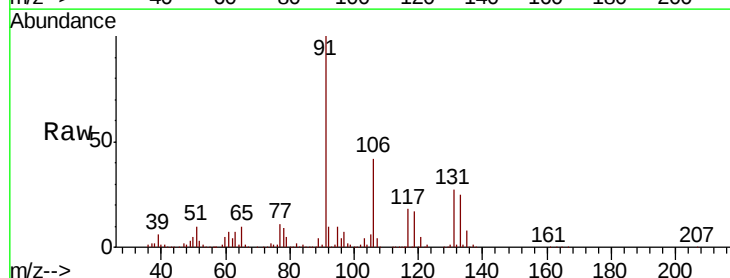
Acq: 30 Aug 2019 10:24

Tgt Ion: 91 Resp: 3179227

Ion Ratio Lower Upper

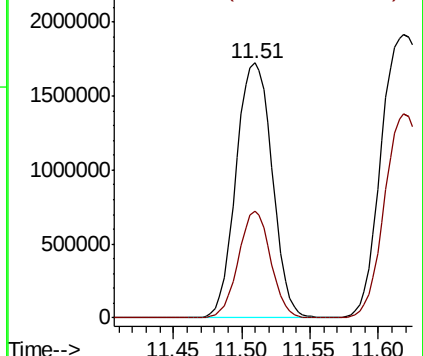
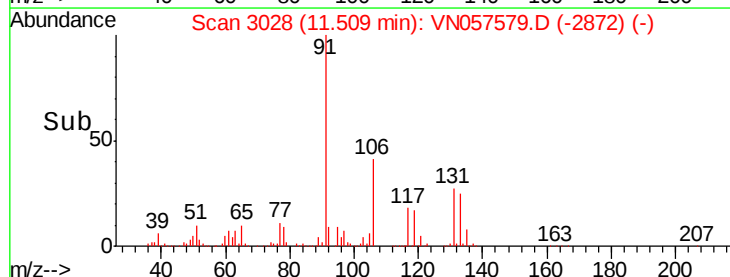
91 100

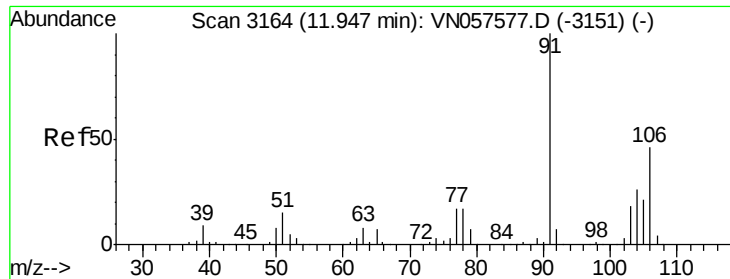
106 42.1 24.7 37.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

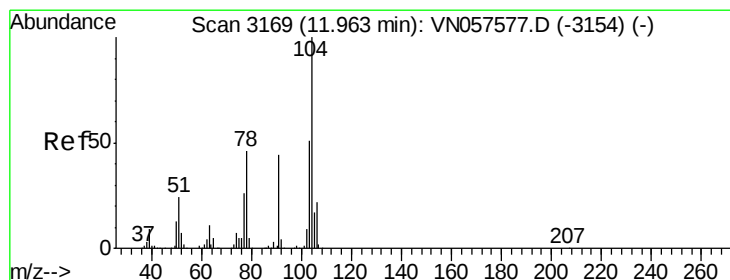
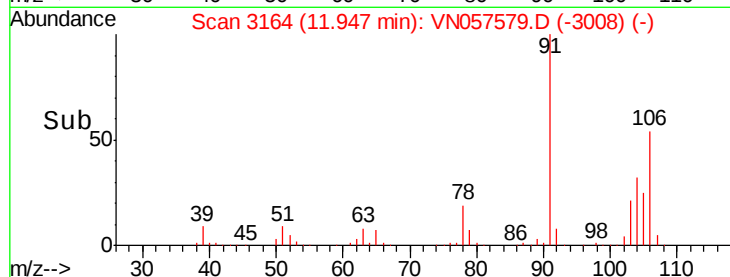
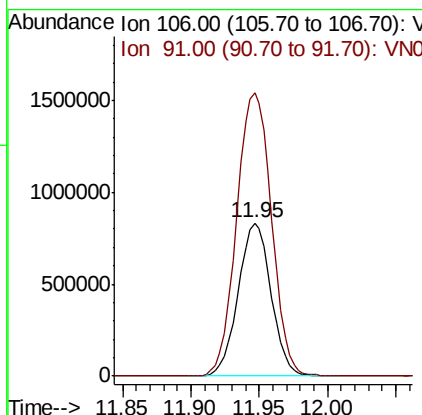
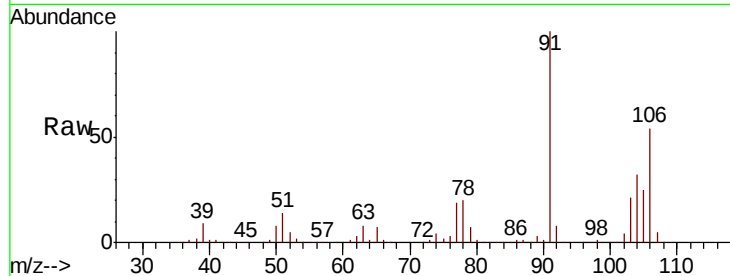




#68
o-Xylene
Concen: 100.357 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

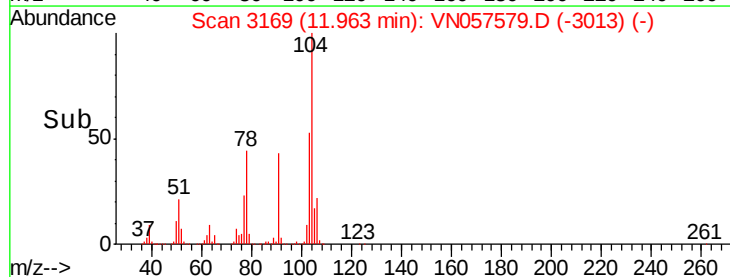
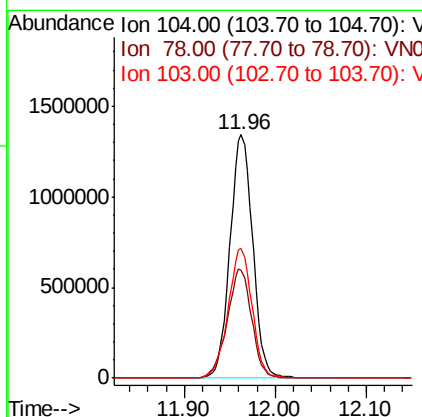
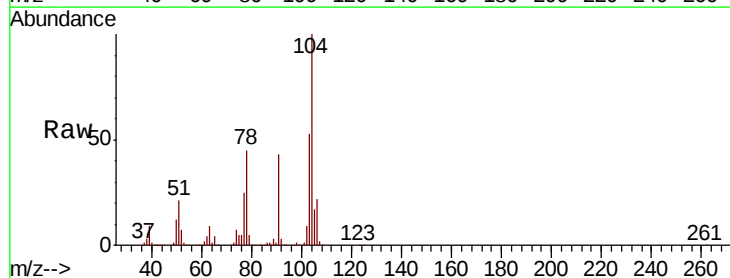
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

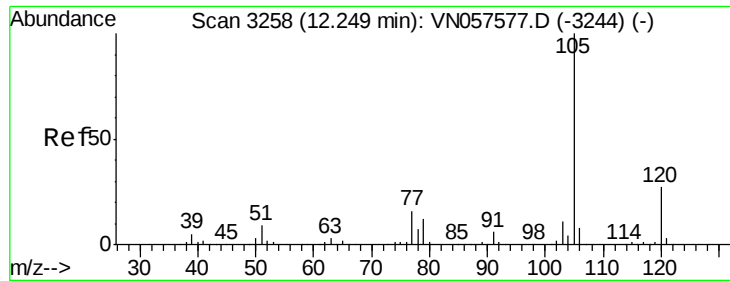
Tgt Ion:106 Resp: 1392708
Ion Ratio Lower Upper
106 100
91 196.7 107.8 323.6



#69
Styrene
Concen: 104.159 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion:104 Resp: 2333436
Ion Ratio Lower Upper
104 100
78 48.1 41.4 62.0
103 56.1 44.8 67.2





#70

Isopropylbenzene

Concen: 87.786 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

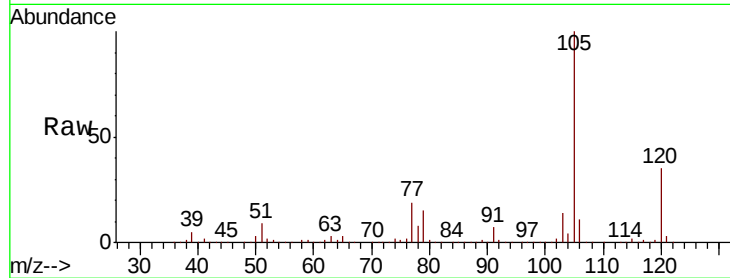
VSTDIC100

Tgt Ion:105 Resp: 3293737

Ion Ratio Lower Upper

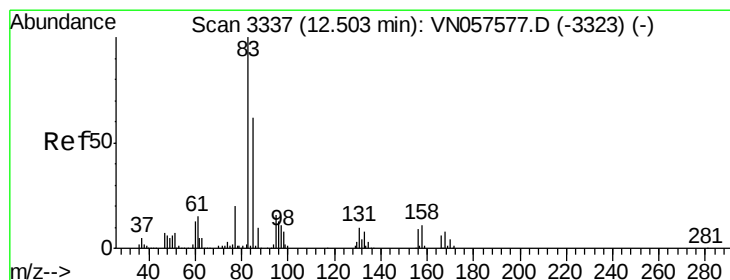
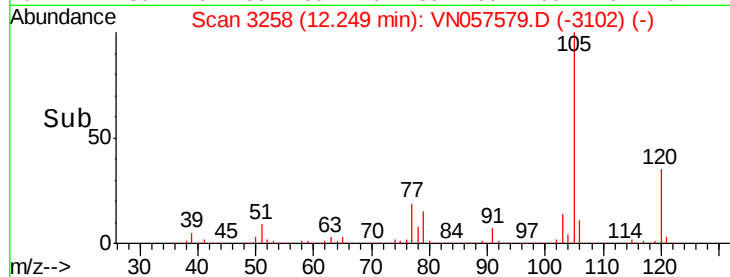
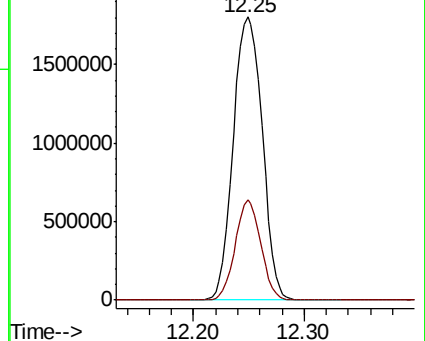
105 100

120 31.2 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 86.047 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

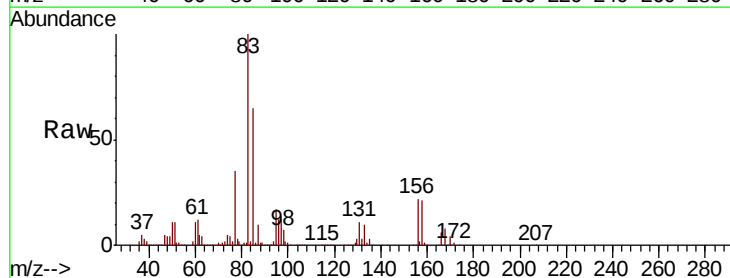
Tgt Ion: 83 Resp: 904283

Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

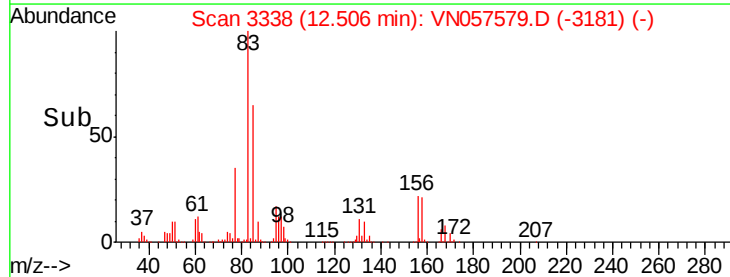
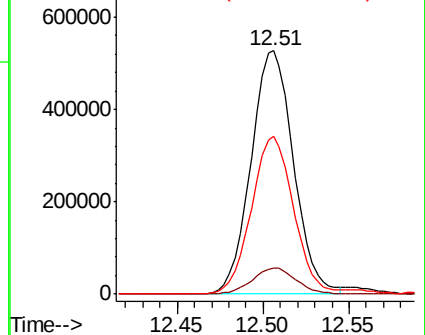
85 64.0 31.6 94.8

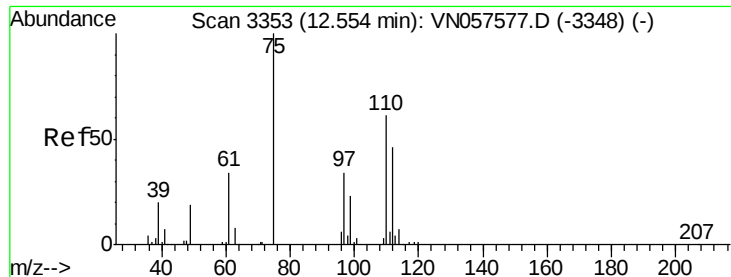


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 118.149 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

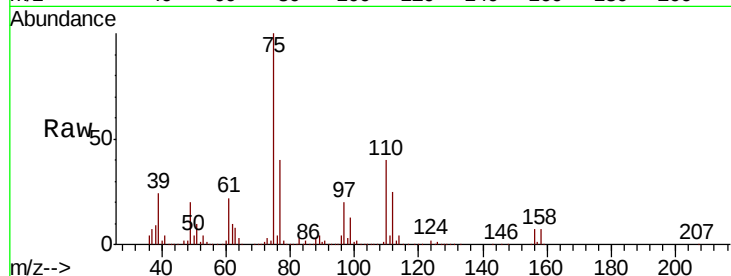
VSTDIC100

Tgt Ion: 75 Resp: 1117564

Ion Ratio Lower Upper

75 100

77 144.4 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VN057577.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057577.D (-3348) (-)

800000

600000

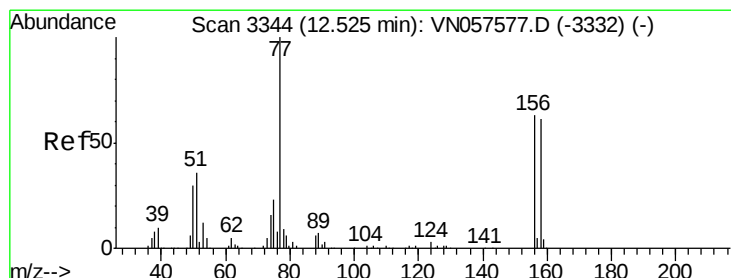
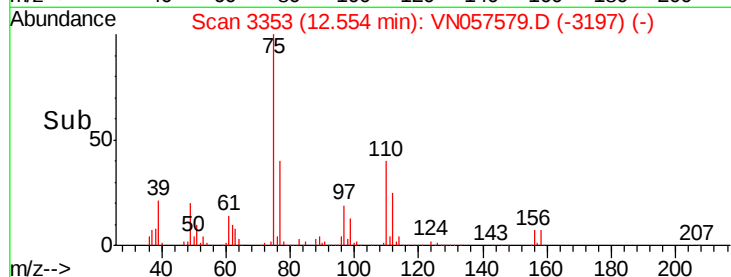
400000

200000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 117.936 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

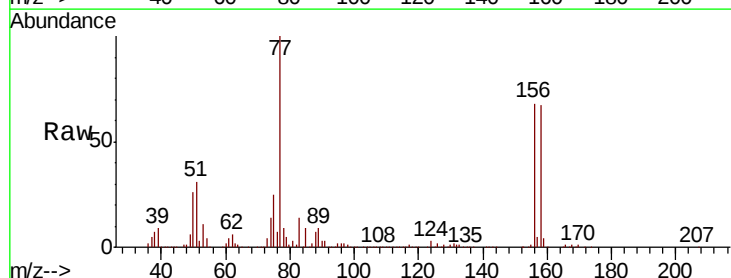
Tgt Ion: 156 Resp: 918129

Ion Ratio Lower Upper

156 100

77 175.7 0.0 374.6

158 97.9 0.0 197.4



Abundance Ion 156.00 (155.70 to 156.70): VN057577.D (-3332) (-)

Ion 77.00 (76.70 to 77.70): VN057577.D (-3332) (-)

Ion 158.00 (157.70 to 158.70): VN057577.D (-3332) (-)

1000000

800000

600000

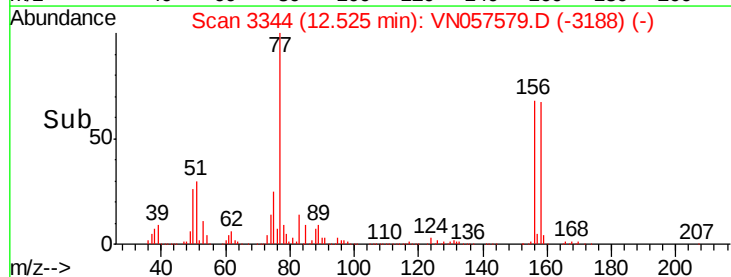
400000

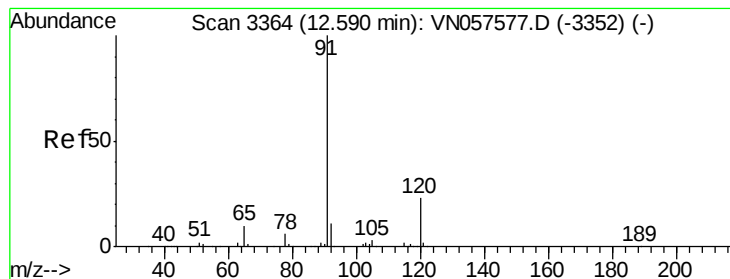
200000

0

12.50 12.53 12.60

Time-->





#74

n-propylbenzene

Concen: 81.912 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

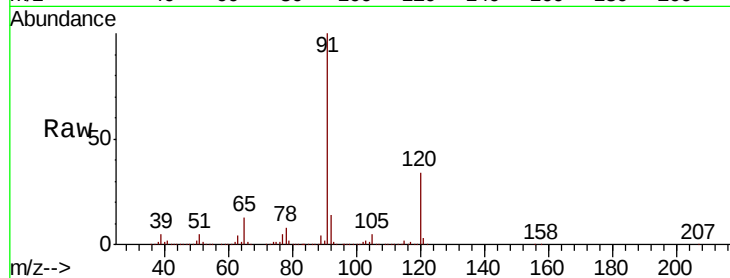
VSTDIC100

Tgt Ion: 91 Resp: 3457323

Ion Ratio Lower Upper

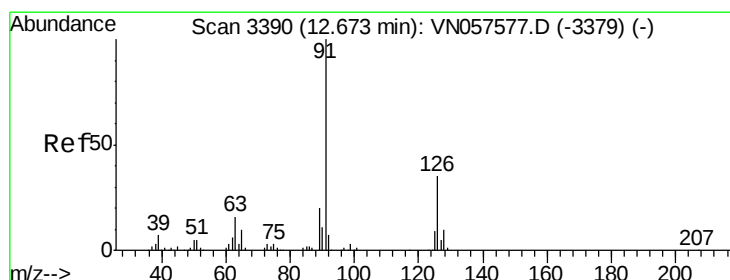
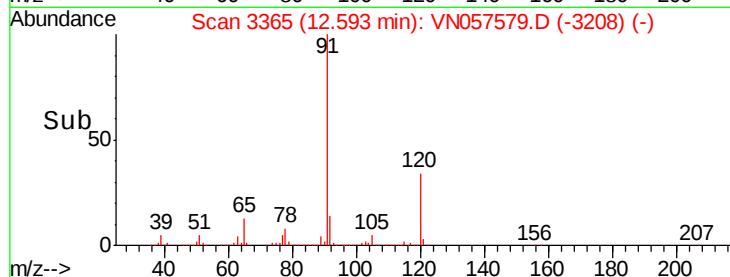
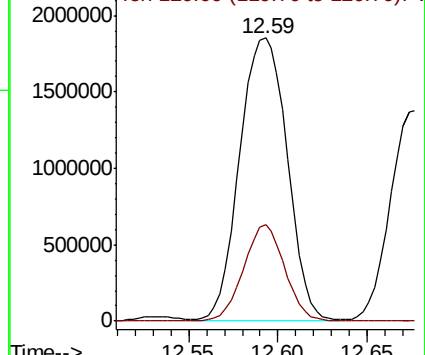
91 100

120 29.3 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: 95.101 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057579.D

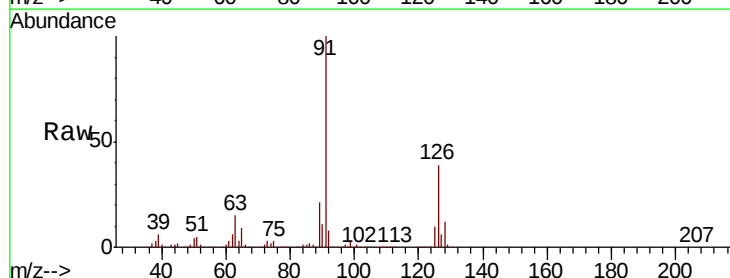
Acq: 30 Aug 2019 10:24

Tgt Ion: 91 Resp: 2362793

Ion Ratio Lower Upper

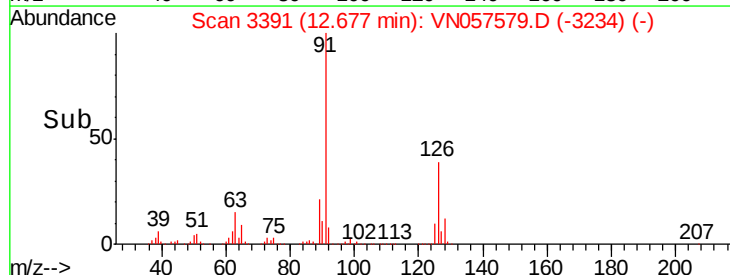
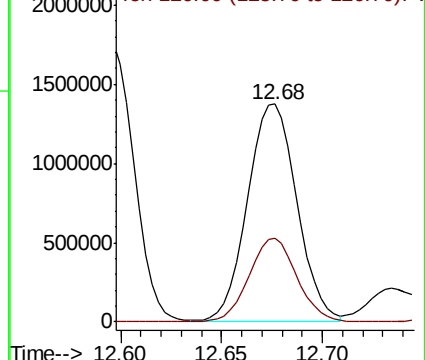
91 100

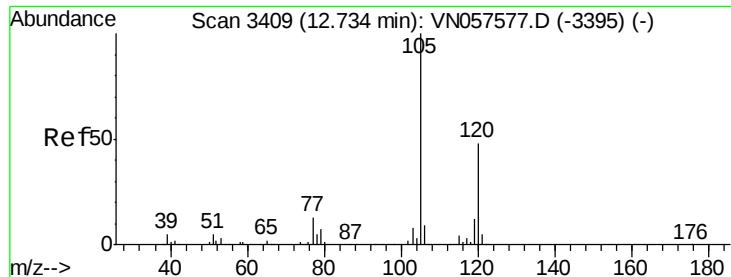
126 37.2 0.0 70.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 94.999 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

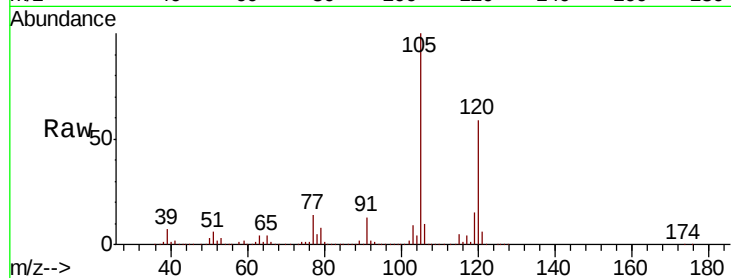
VSTDIC100

Tgt Ion:105 Resp: 2926068

Ion Ratio Lower Upper

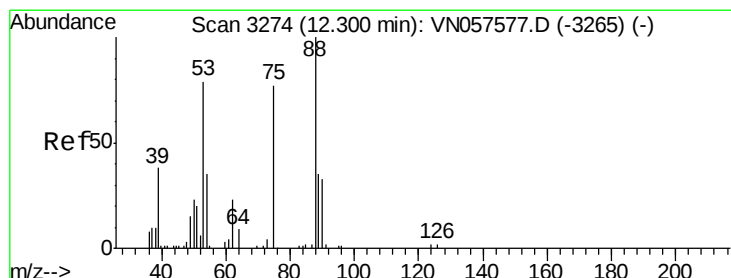
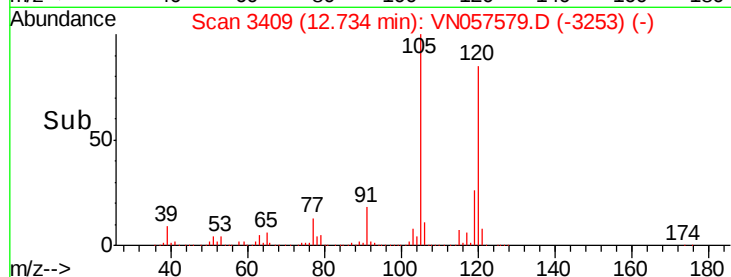
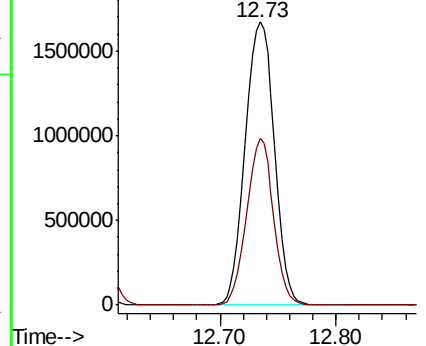
105 100

120 54.0 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 83.297 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

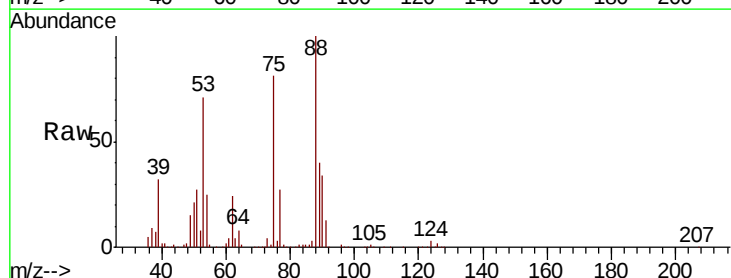
Tgt Ion: 75 Resp: 270987

Ion Ratio Lower Upper

75 100

53 86.8 52.8 158.4

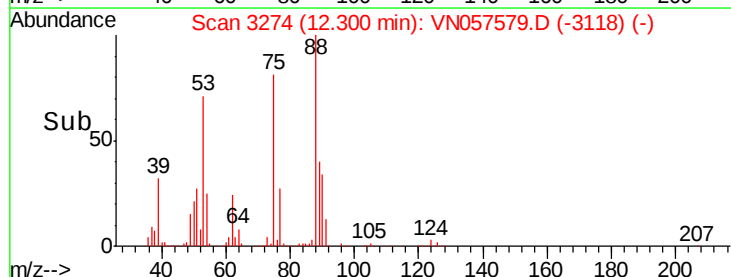
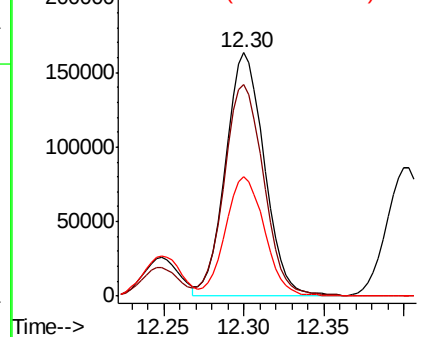
89 49.1 23.2 69.5

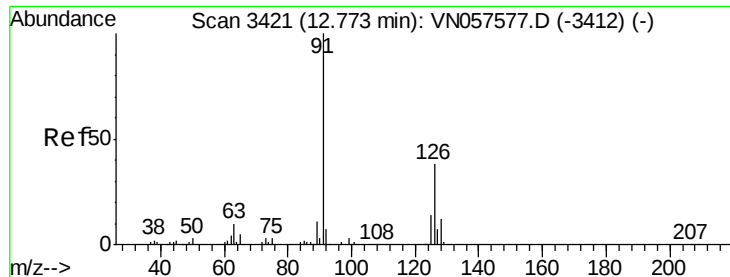


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

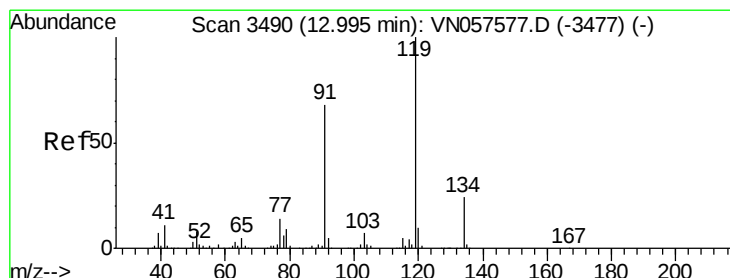
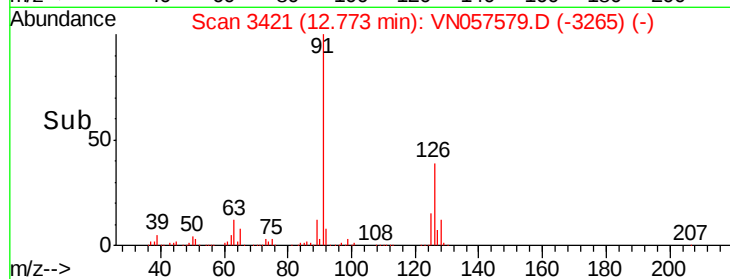
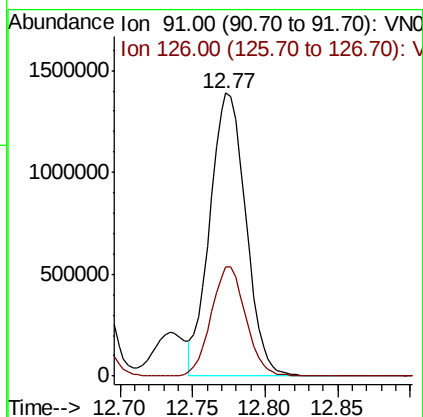
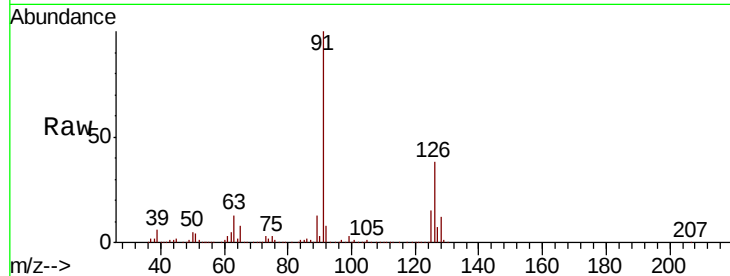




#78
 4-Chlorotoluene
 Concen: 100.142 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

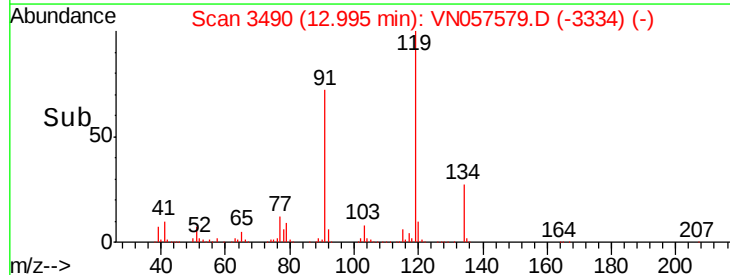
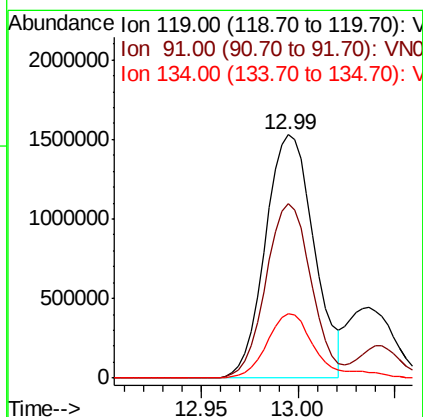
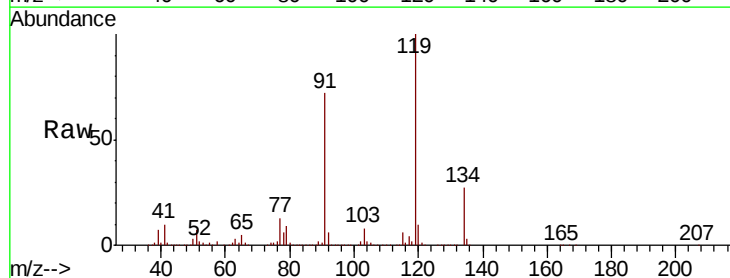
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

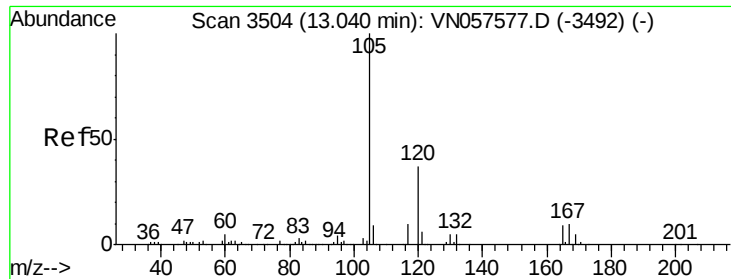
Tgt Ion: 91 Resp: 2386153
 Ion Ratio Lower Upper
 91 100
 126 37.3 0.0 68.6



#79
 tert-butylbenzene
 Concen: 101.242 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 119 Resp: 2680134
 Ion Ratio Lower Upper
 119 100
 91 67.5 0.0 137.6
 134 24.8 0.0 47.8

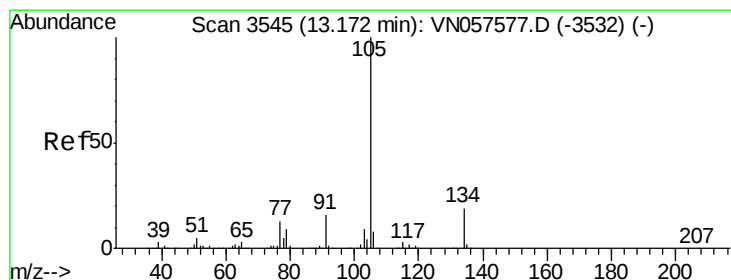
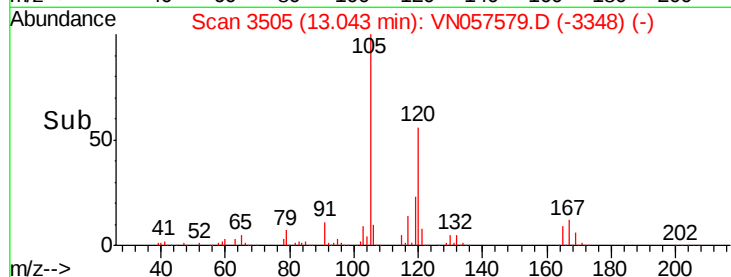
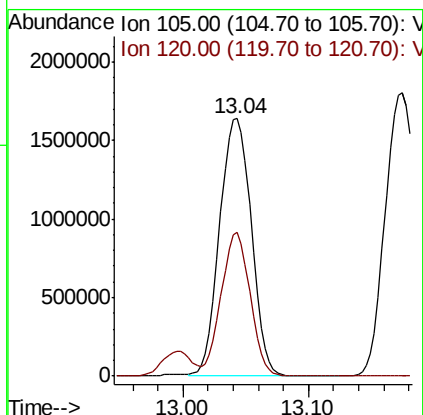
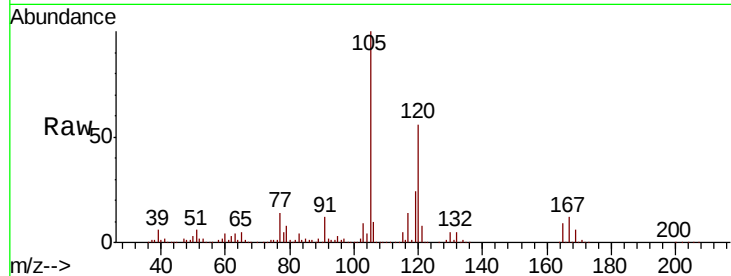




#80
 1,2,4-Trimethylbenzene
 Concen: 99.350 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

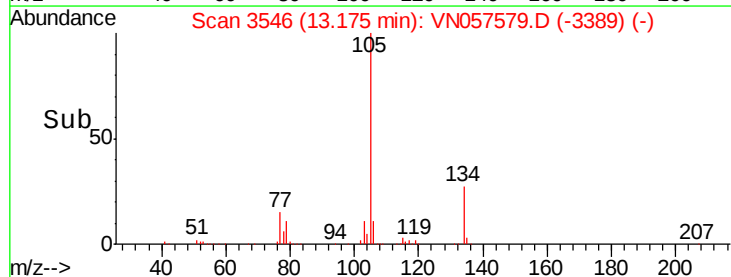
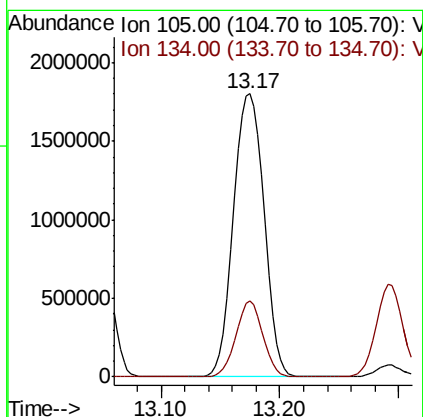
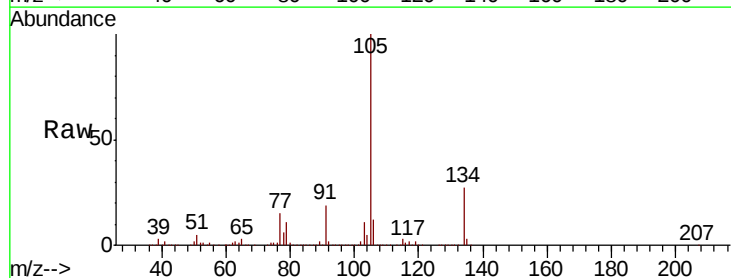
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

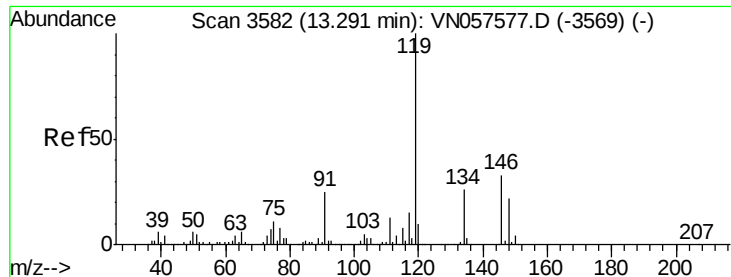
Tgt Ion:105 Resp: 2876551
 Ion Ratio Lower Upper
 105 100
 120 51.0 0.0 87.2



#81
 sec-Butylbenzene
 Concen: 92.643 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion:105 Resp: 3215981
 Ion Ratio Lower Upper
 105 100
 134 23.4 0.0 39.2





#82

p-Isopropyltoluene

Concen: 101.808 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

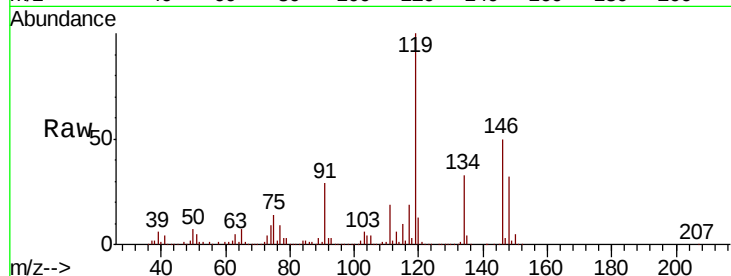
Tgt Ion:119 Resp: 3013279

Ion Ratio Lower Upper

119 100

134 30.2 0.0 51.6

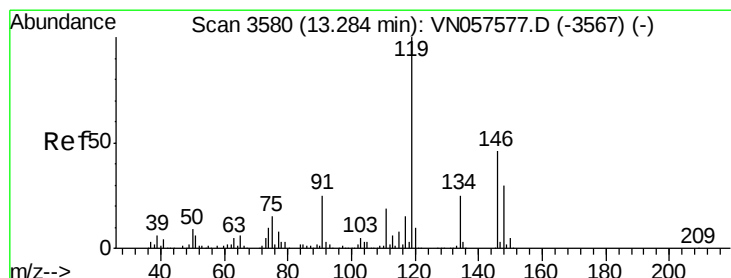
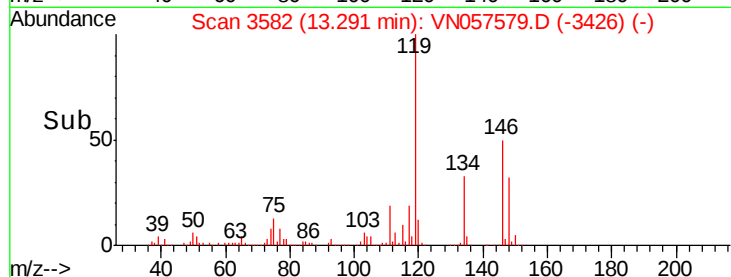
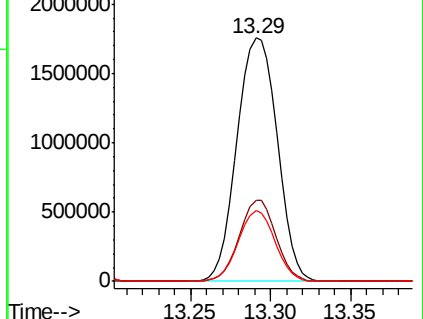
91 26.5 0.0 50.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83

1,3-Dichlorobenzene

Concen: 134.939 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

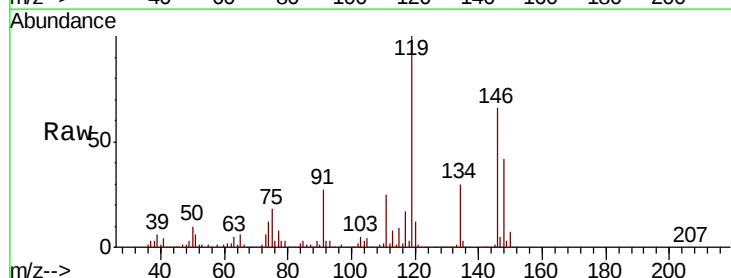
Tgt Ion:146 Resp: 1646574

Ion Ratio Lower Upper

146 100

111 38.1 20.0 60.0

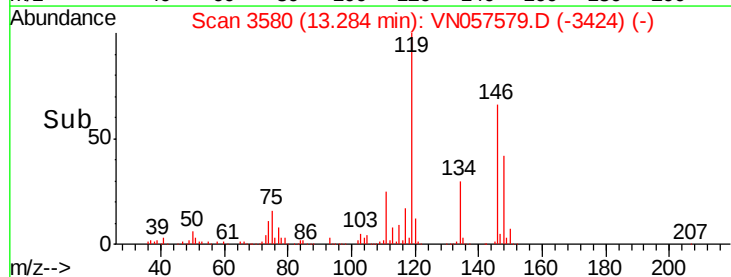
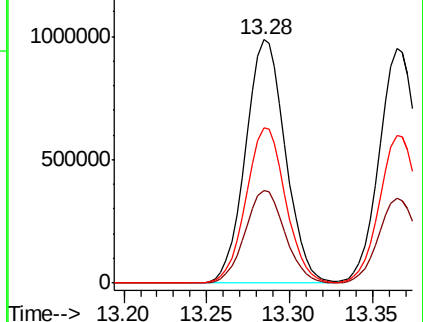
148 63.4 32.3 96.9

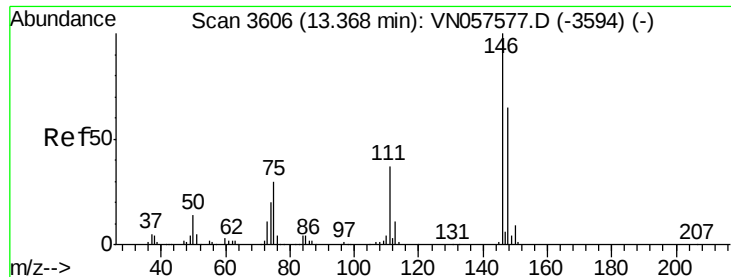


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 132.749 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

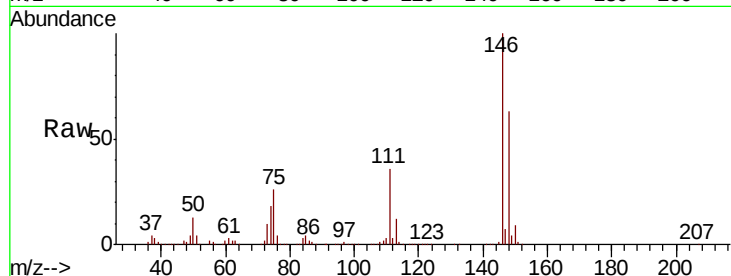
Tgt Ion:146 Resp: 1577508

Ion Ratio Lower Upper

146 100

111 36.6 19.3 57.9

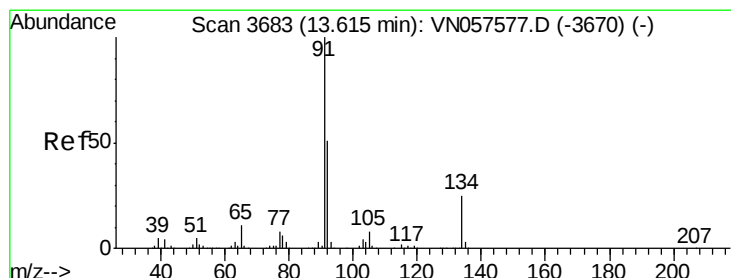
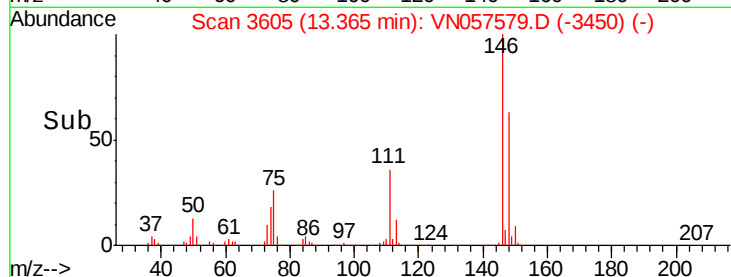
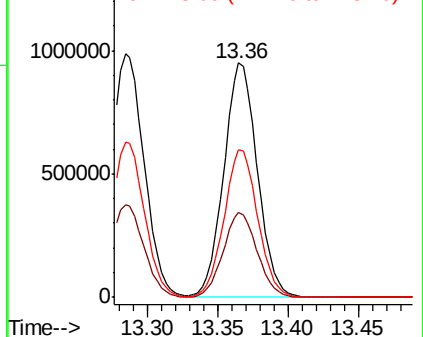
148 63.2 32.2 96.6



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: 99.472 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

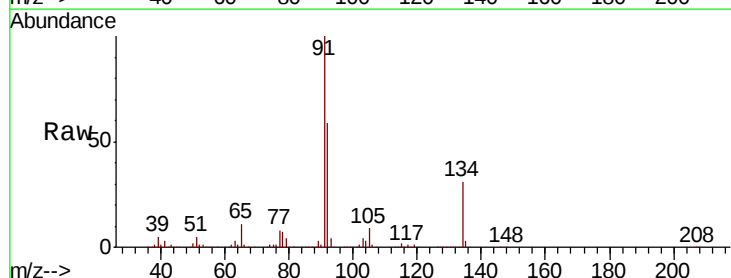
Tgt Ion: 91 Resp: 2509686

Ion Ratio Lower Upper

91 100

92 55.5 0.0 103.0

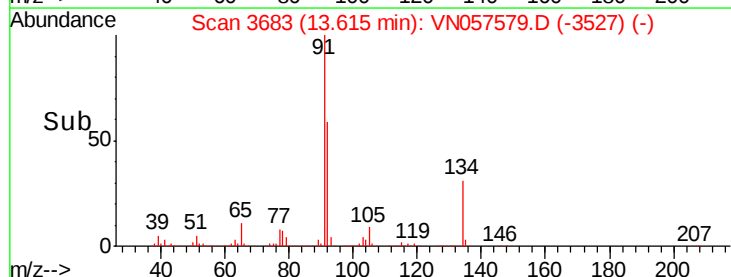
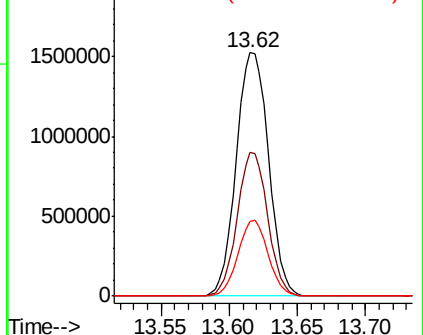
134 29.0 0.0 51.0

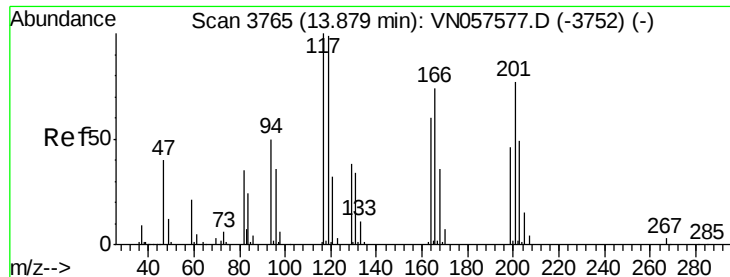


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 103.842 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

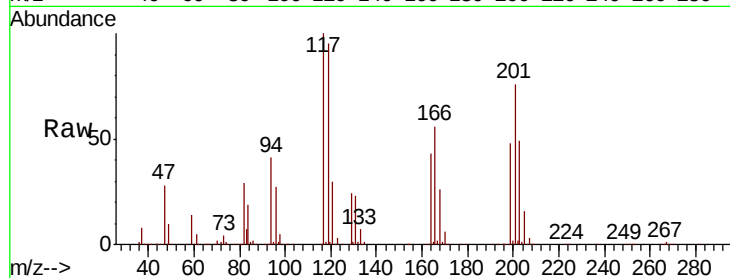
VSTDIC100

Tgt Ion:117 Resp: 595325

Ion Ratio Lower Upper

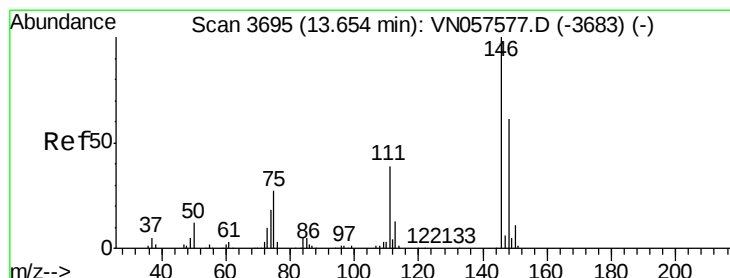
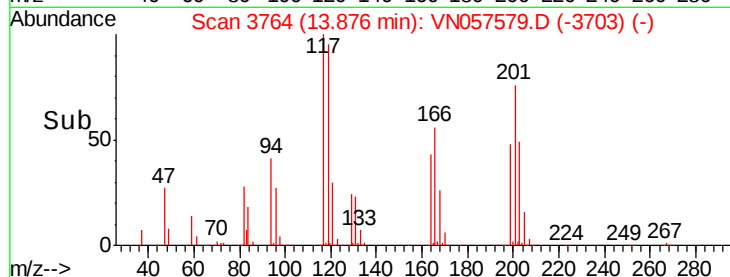
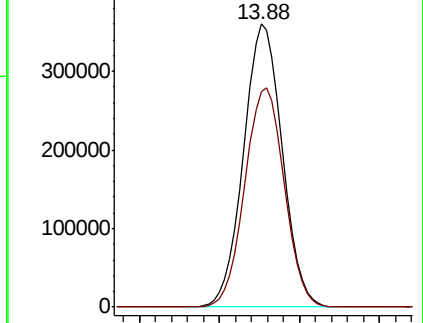
117 100

201 78.9 38.0 113.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 129.194 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

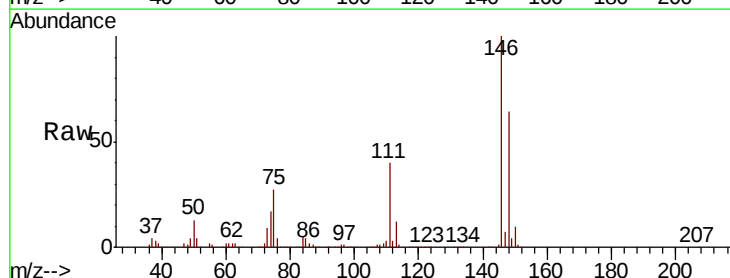
Tgt Ion:146 Resp: 1547932

Ion Ratio Lower Upper

146 100

111 39.1 19.9 59.6

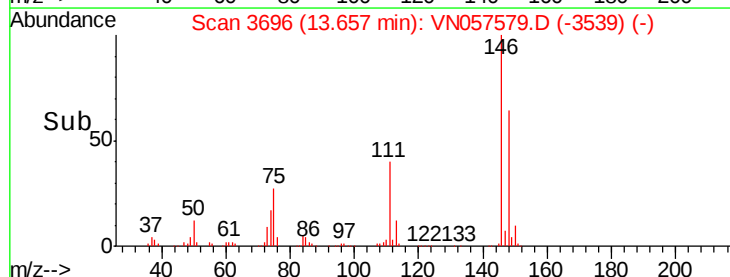
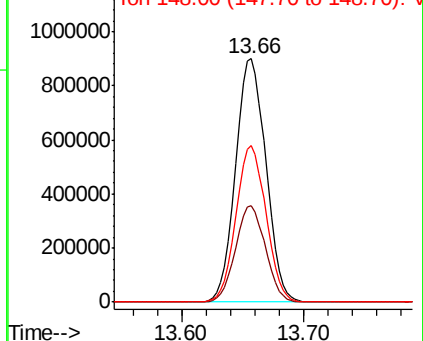
148 63.4 31.2 93.6

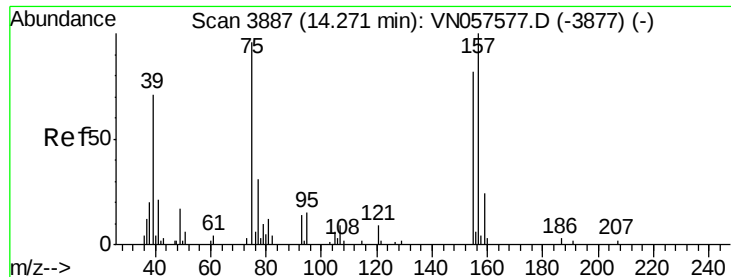


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 85.459 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

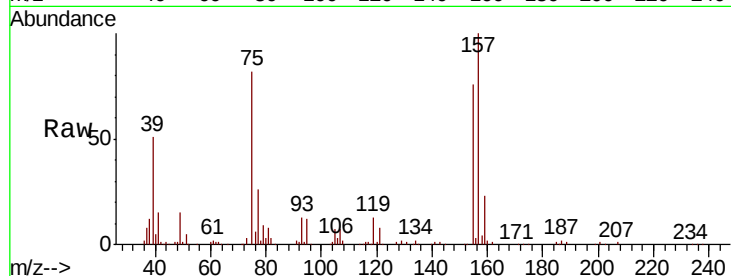
Tgt Ion: 75 Resp: 148656

Ion Ratio Lower Upper

75 100

155 91.2 66.5 99.7

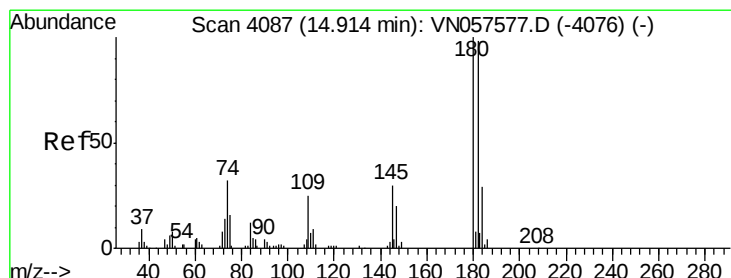
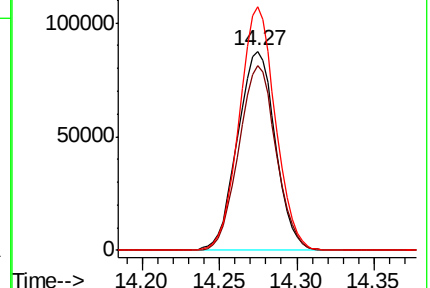
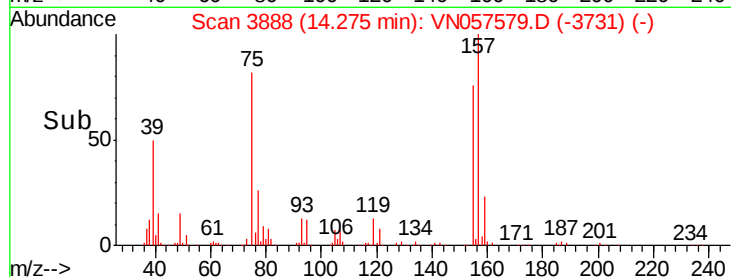
157 116.6 88.4 132.6



Abundance Ion 75.00 (74.70 to 75.70): VN057577.D (-3877) (-)

Ion 155.00 (154.70 to 155.70): VN057577.D (-3877) (-)

Ion 157.00 (156.70 to 157.70): VN057577.D (-3877) (-)



#89

1,2,4-Trichlorobenzene

Concen: 143.012 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

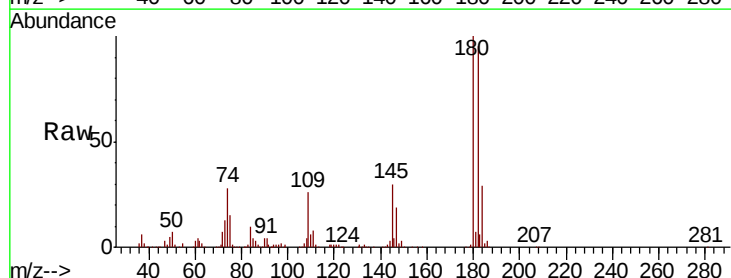
Tgt Ion: 180 Resp: 640267

Ion Ratio Lower Upper

180 100

182 95.0 76.6 115.0

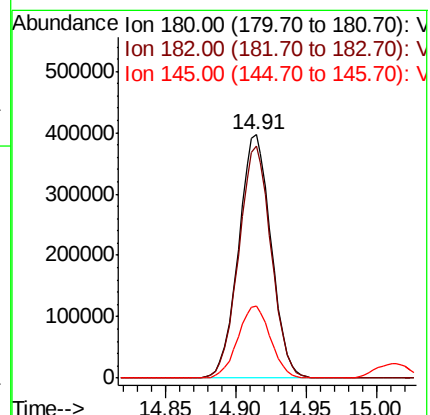
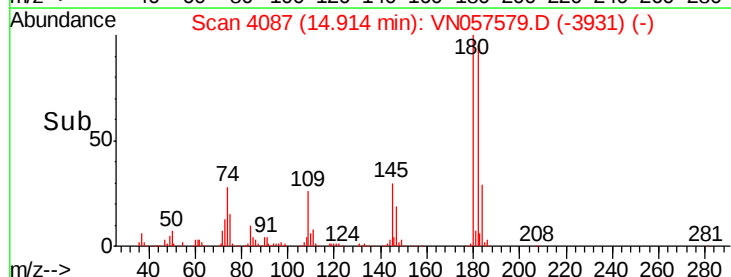
145 29.7 24.4 36.6

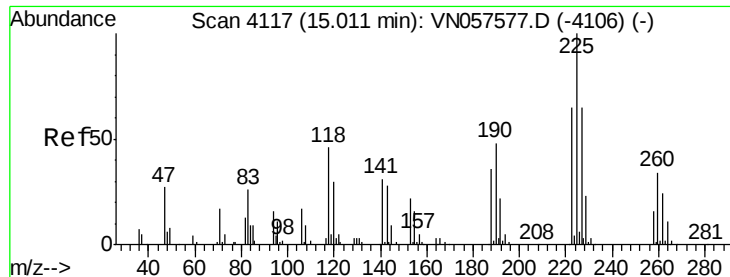


Abundance Ion 180.00 (179.70 to 180.70): VN057577.D (-4076) (-)

Ion 182.00 (181.70 to 182.70): VN057577.D (-4076) (-)

Ion 145.00 (144.70 to 145.70): VN057577.D (-4076) (-)

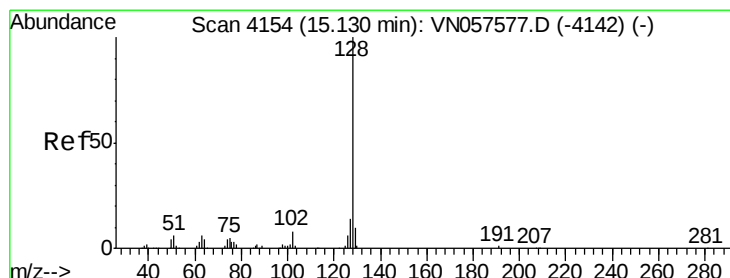
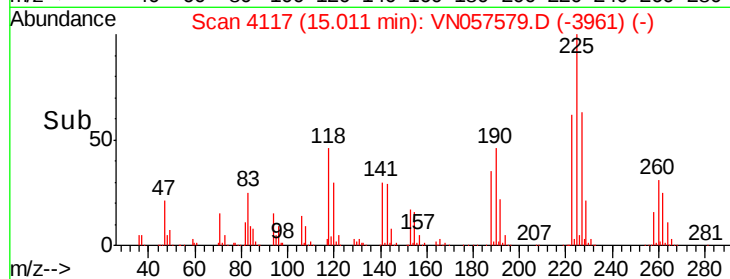
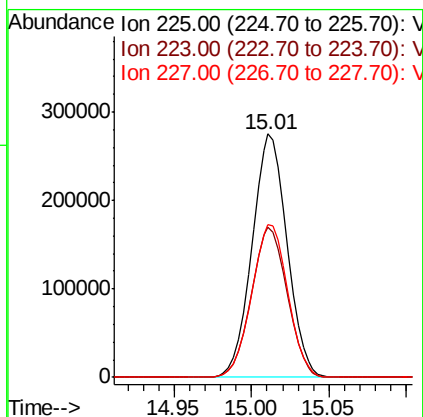
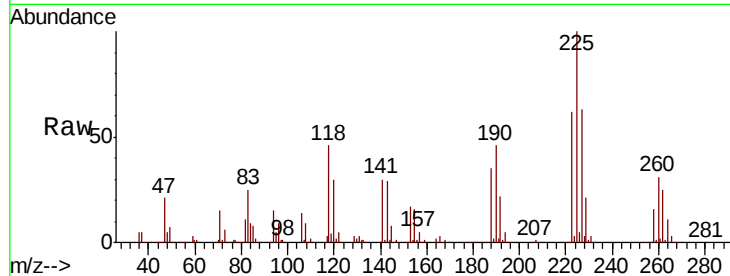




#90
Hexachlorobutadiene
Concen: 125.041 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

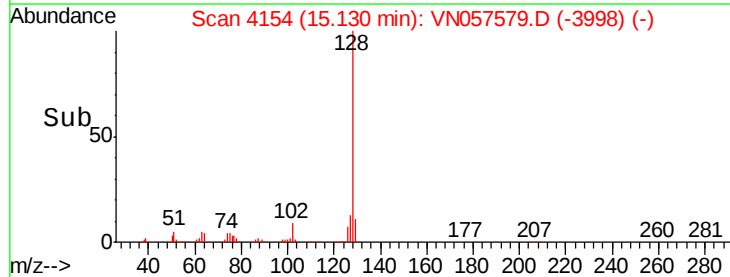
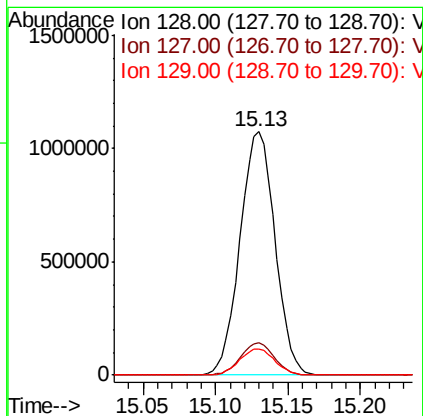
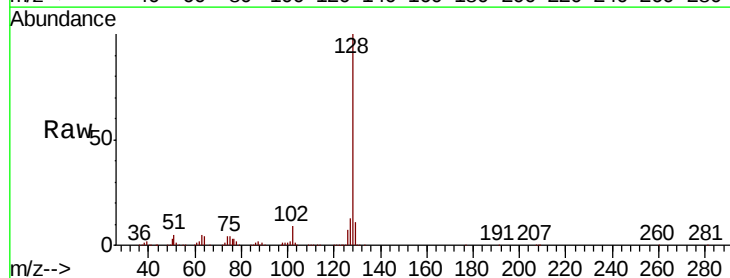
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

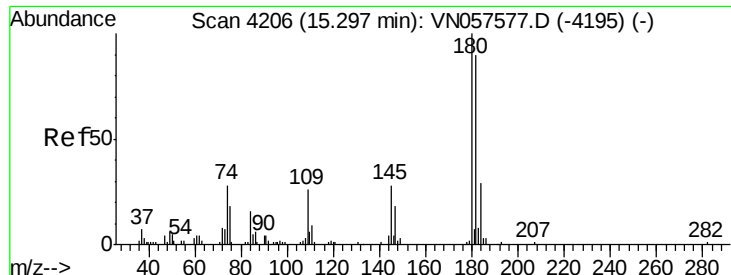
Tgt Ion:225 Resp: 433776
Ion Ratio Lower Upper
225 100
223 63.1 0.0 130.6
227 64.5 0.0 131.0



#91
Naphthalene
Concen: 128.172 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion:128 Resp: 1804411
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.7 8.1 12.1

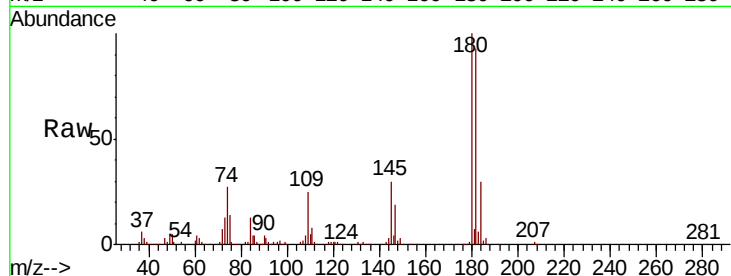




#92
 1,2,3-Trichlorobenzene
 Concen: 142.388 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	181.0
145	31.2	0.0	62.2



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

