

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021978.D
 Acq On : 13 May 2021 19:22
 Operator : JC/MD
 Sample : M2371-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-206

Quant Time: May 14 04:40:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 08 05:38:18 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

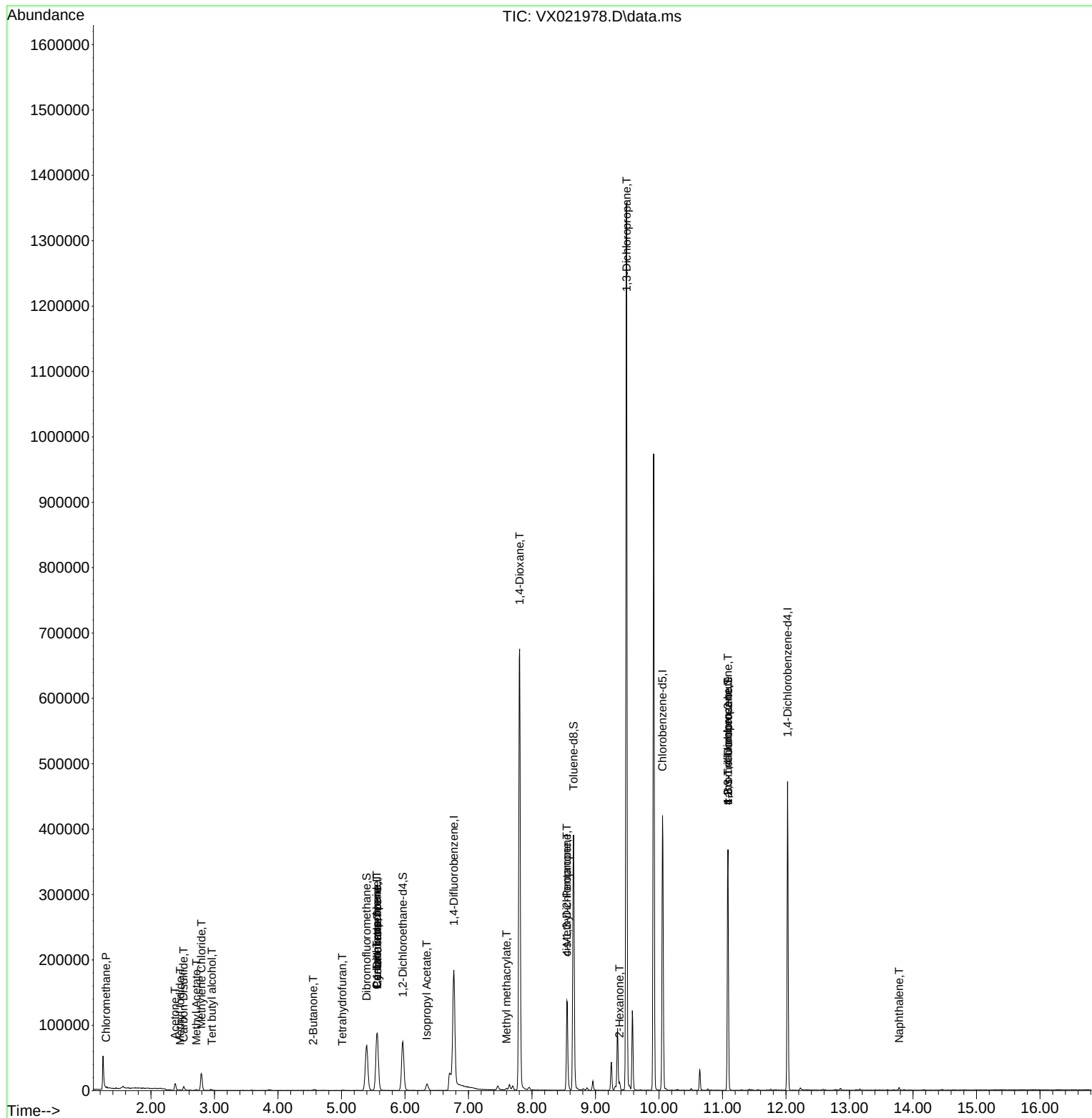
Internal Standards						
1) Pentafluorobenzene	5.562	168	78141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	174557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84344	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	68521	53.28	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.56%			
35) Dibromofluoromethane	5.398	113	59875	50.05	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.10%			
50) Toluene-d8	8.653	98	233921	51.24	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.48%			
62) 4-Bromofluorobenzene	11.086	95	103549	57.48	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.96%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	251	0.20	ug/l #	42
10) Methyl Iodide	2.459	142	305	0.26	ug/l #	67
11) Tert butyl alcohol	2.959	59	868	2.53	ug/l #	73
13) Acrolein	2.240	56	130	Below Cal	#	14
16) Acetone	2.380	43	11014	19.10	ug/l	99
17) Carbon Disulfide	2.514	76	6287	2.13	ug/l #	90
18) Methyl Acetate	2.715	43	1522	0.95	ug/l #	74
20) Methylene Chloride	2.794	84	11580	9.85	ug/l	94
25) 2-Butanone	4.556	43	2195	2.21	ug/l #	70
29) Tetrahydrofuran	5.013	42	177	0.30	ug/l #	52
31) Cyclohexane	5.562	56	2162	1.27	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7213	3.90	ug/l #	49
38) Carbon Tetrachloride	5.556	117	8743	4.73	ug/l #	15
43) Isopropyl Acetate	6.342	43	13864	3.67	ug/l	95
48) Methyl methacrylate	7.598	41	3664	2.11	ug/l #	10
49) 1,4-Dioxane	7.806	88	53	1.45	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47467	20.16	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	23544	9.69	ug/l #	62
57) 1,3-Dichloropropane	9.488	76	12208	5.02	ug/l #	42
59) 2-Hexanone	9.379	43	6798	3.75	ug/l #	19
76) 1,2,3-Trichloropropane	11.086	75	52732	21.99	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	52732	51.01	ug/l #	12
95) Naphthalene	13.780	128	2414	0.32	ug/l	97

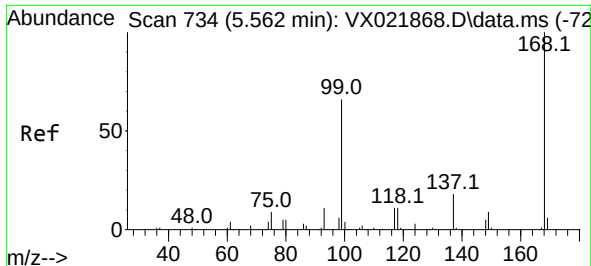
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
QLast Update : Sat May 08 05:38:18 2021
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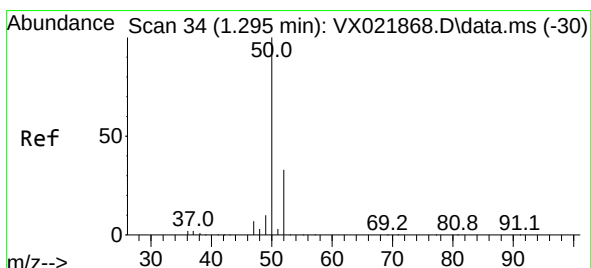
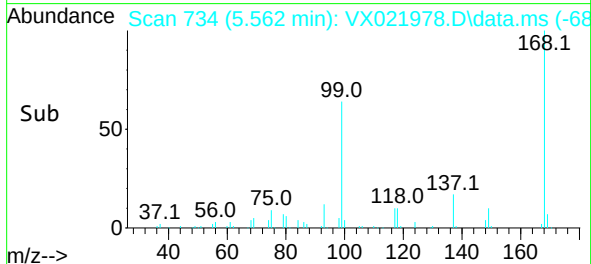
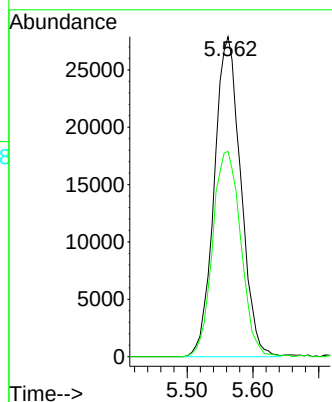
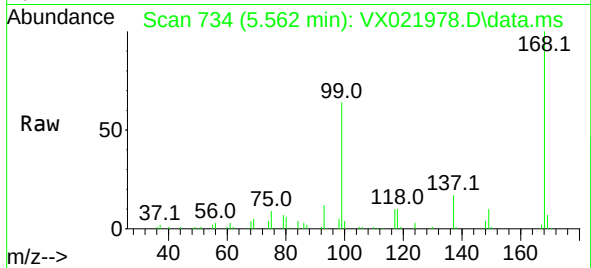




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

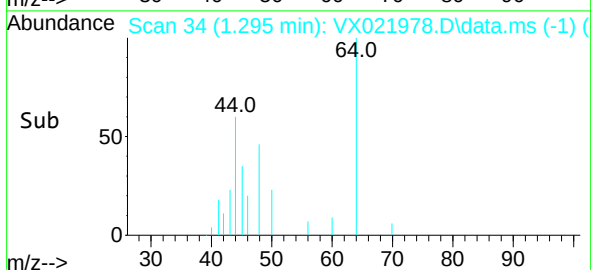
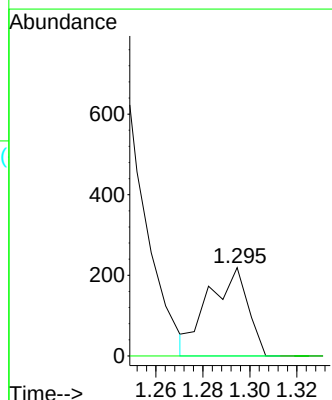
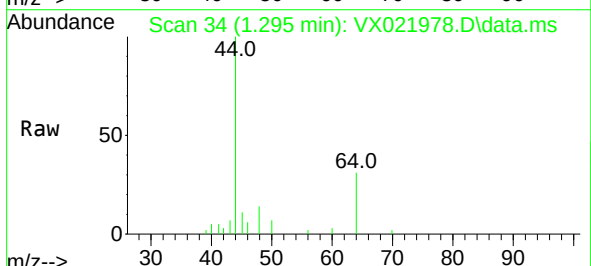
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

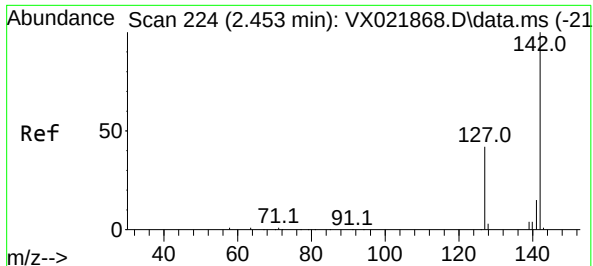
Tgt Ion:168 Resp: 78141
Ion Ratio Lower Upper
168 100
99 64.2 45.8 68.6



#3
Chloromethane
Concen: 0.20 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 50 Resp: 251
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

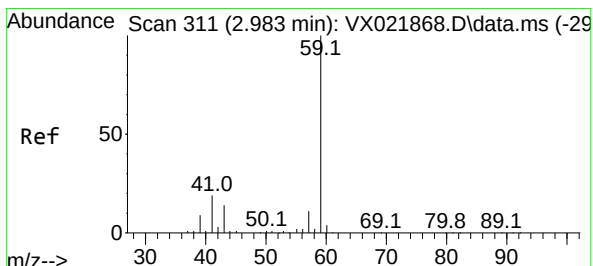
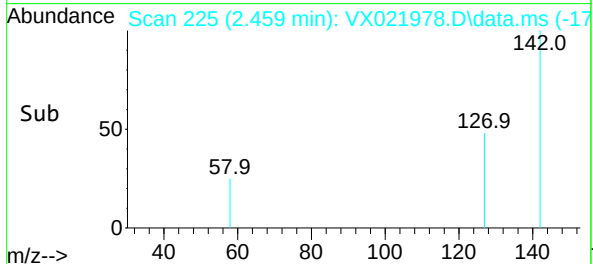
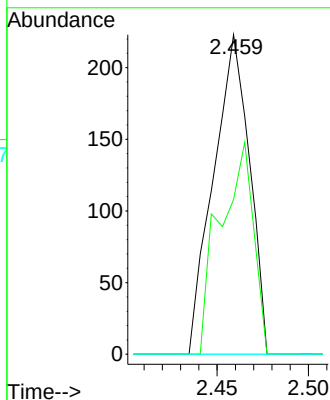
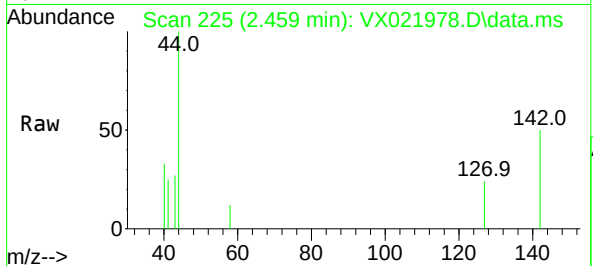




#10
Methyl Iodide
Concen: 0.26 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

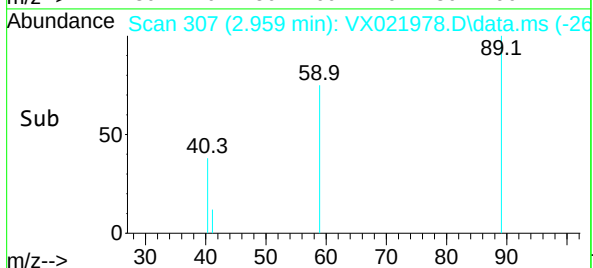
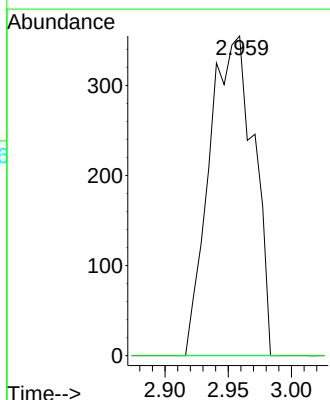
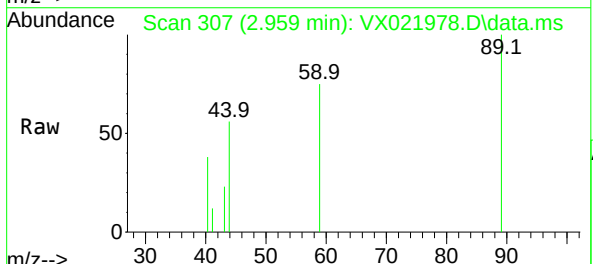
Instrument :
MSVOA_X
ClientSampled :
VNJ-206

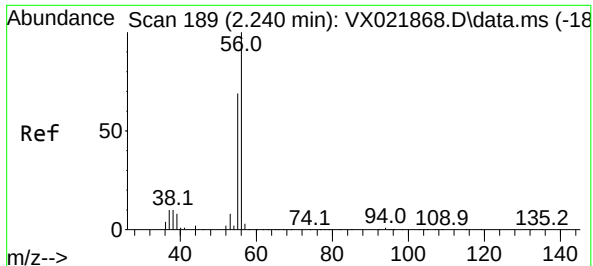
Tgt Ion:142 Resp: 305
Ion Ratio Lower Upper
142 100
127 62.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.53 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

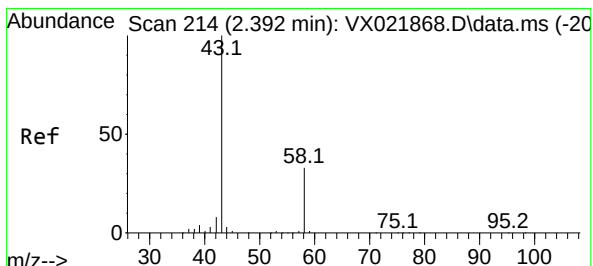
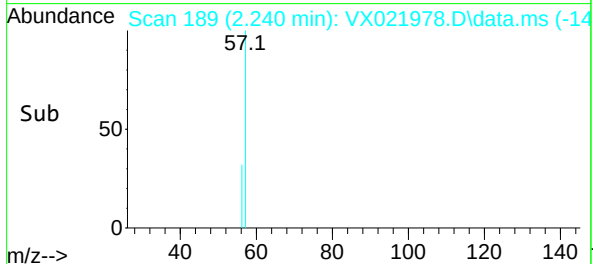
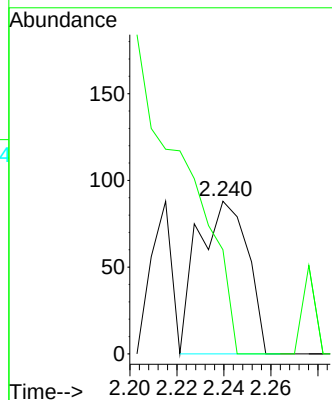
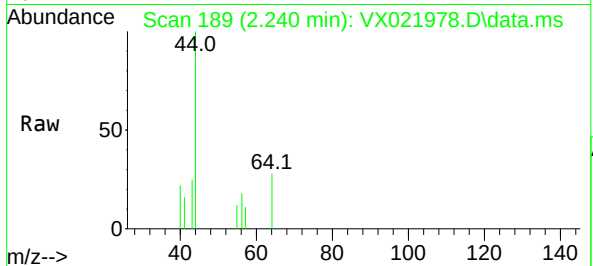




#13
Acrolein
Concen: Below Cal
RT: 2.240 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

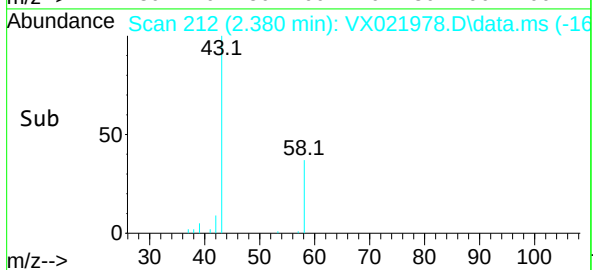
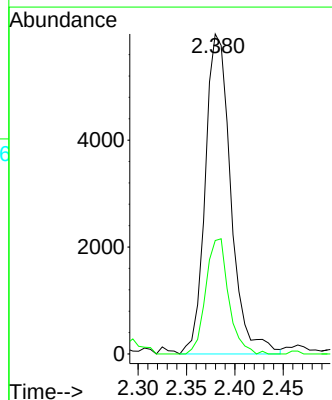
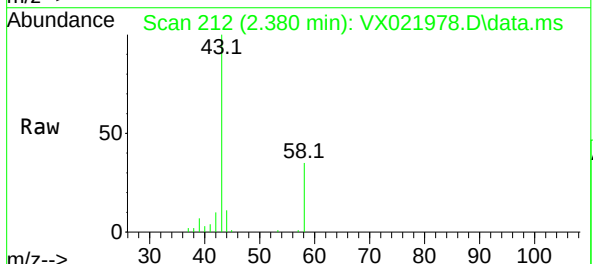
Instrument :
MSVOA_X
ClientSampled :
VNJ-206

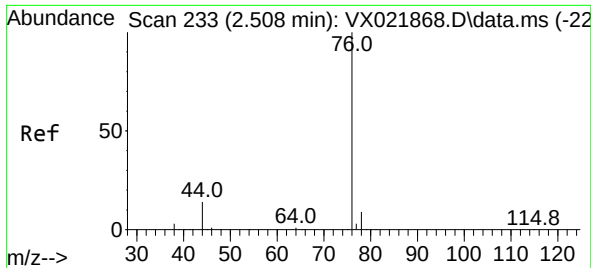
Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 19.10 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 43 Resp: 11014
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.8

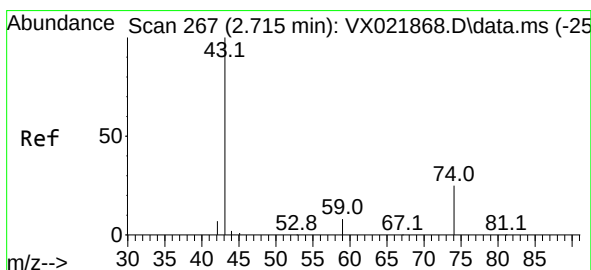
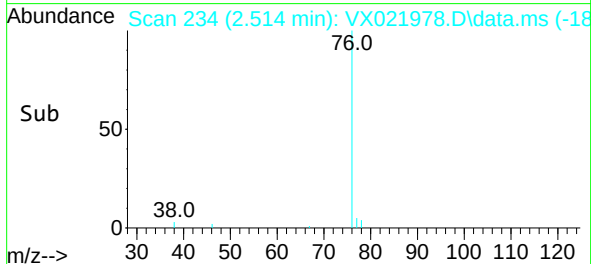
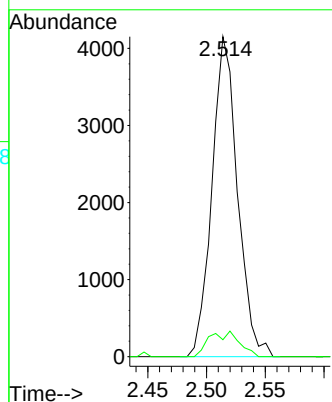
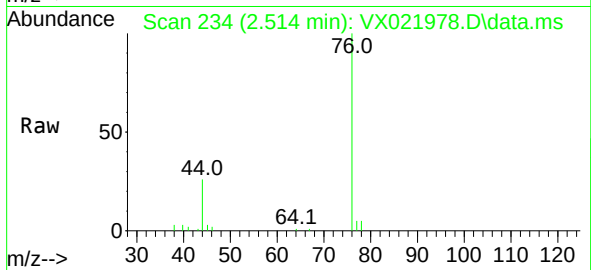




#17
Carbon Disulfide
Concen: 2.13 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

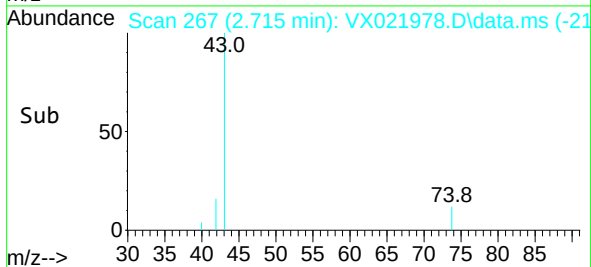
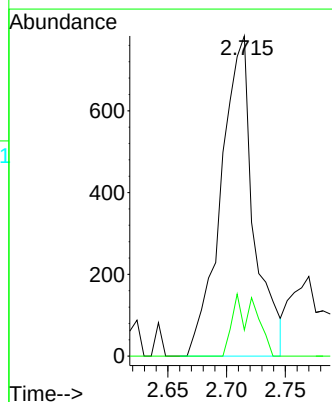
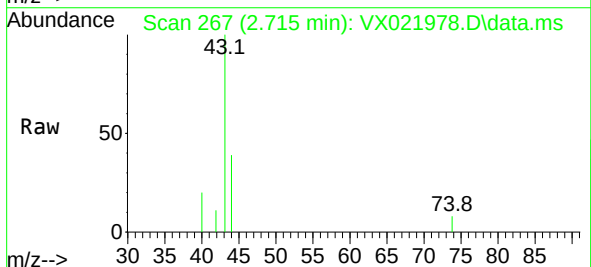
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

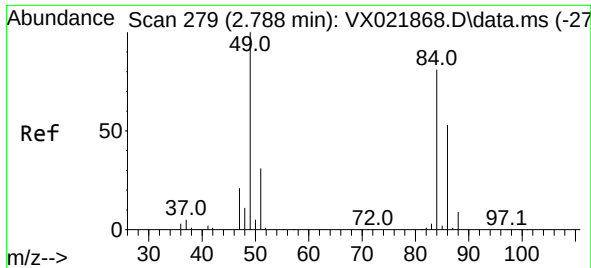
Tgt Ion: 76 Resp: 6287
Ion Ratio Lower Upper
76 100
78 5.3 7.2 10.8#



#18
Methyl Acetate
Concen: 0.95 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
74 13.7 21.9 32.9#





#20

Methylene Chloride

Concen: 9.85 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX021978.D

Acq: 13 May 2021 19:22

Tgt Ion: 84 Resp: 11580

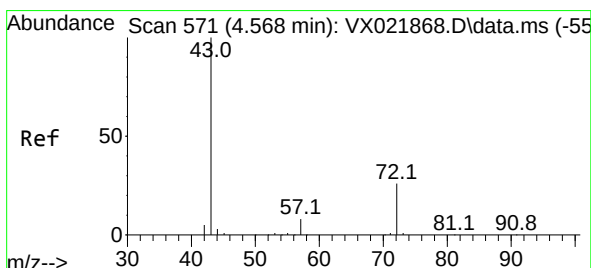
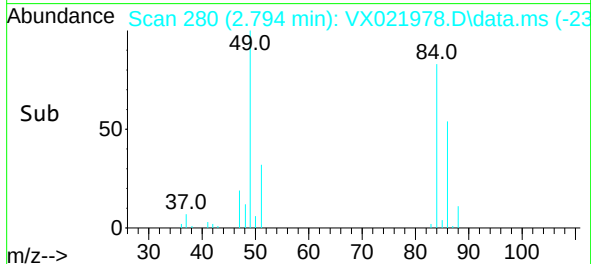
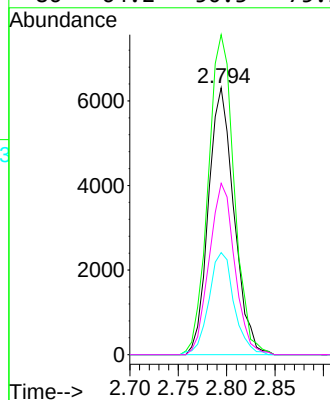
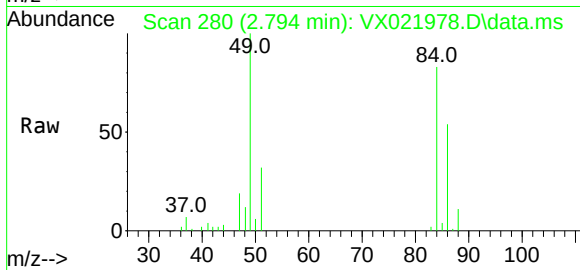
Ion Ratio Lower Upper

84 100

49 119.9 88.6 132.8

51 38.3 27.0 40.6

86 64.2 50.3 75.5



#25

2-Butanone

Concen: 2.21 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.012 min

Lab File: VX021978.D

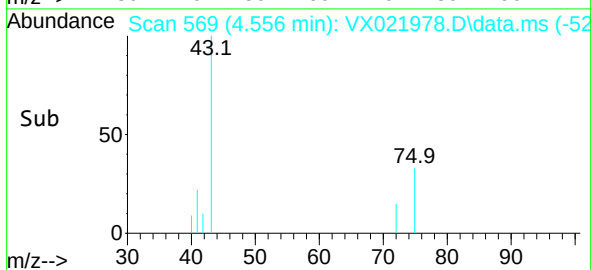
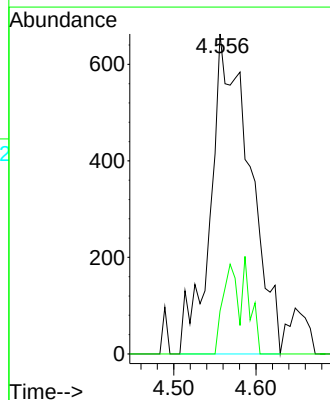
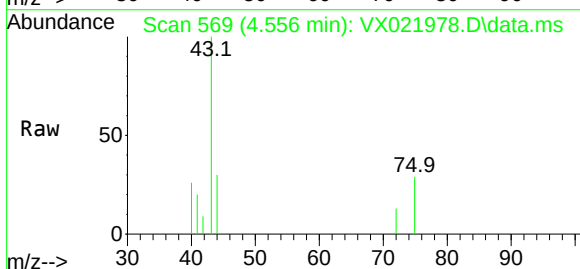
Acq: 13 May 2021 19:22

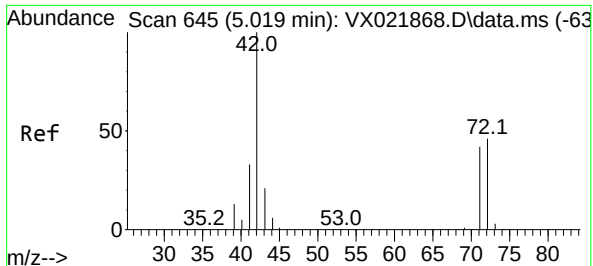
Tgt Ion: 43 Resp: 2195

Ion Ratio Lower Upper

43 100

72 13.4 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX021978.D

Acq: 13 May 2021 19:22

Tgt Ion: 42 Resp: 177

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

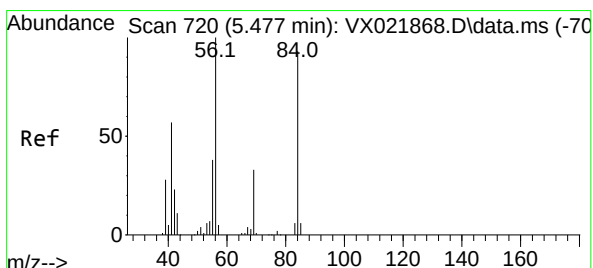
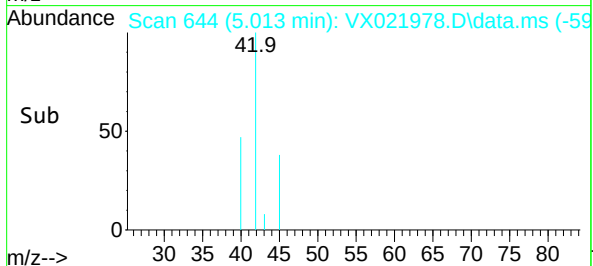
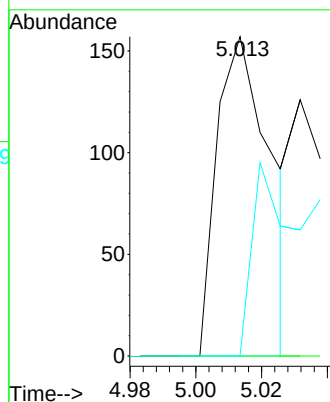
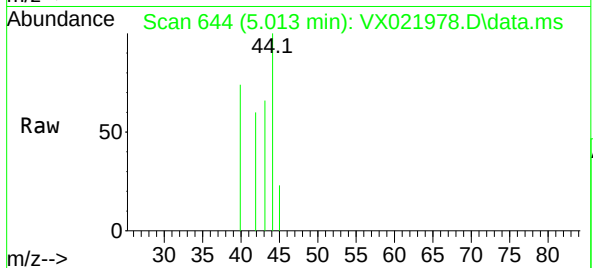
71 61.6 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

VNJ-206



#31

Cyclohexane

Concen: 1.27 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX021978.D

Acq: 13 May 2021 19:22

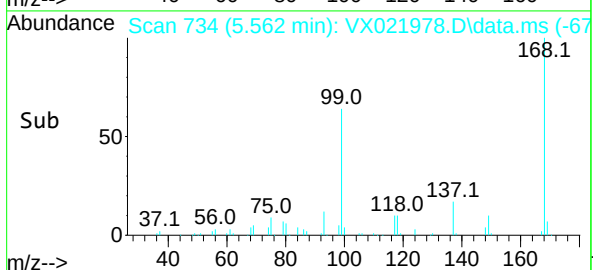
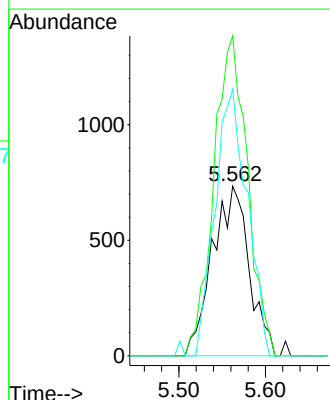
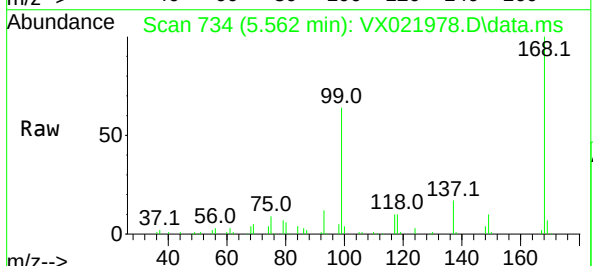
Tgt Ion: 56 Resp: 2162

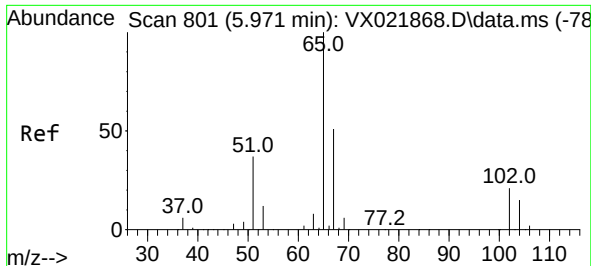
Ion Ratio Lower Upper

56 100

69 188.6 25.3 37.9#

84 157.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.28 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

Lab File: VX021978.D

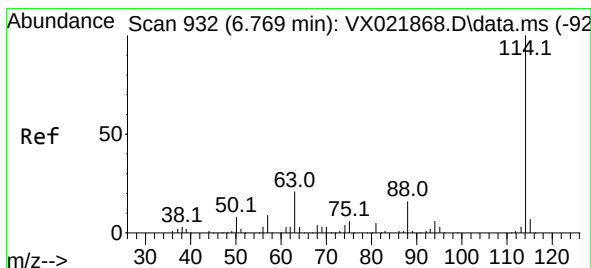
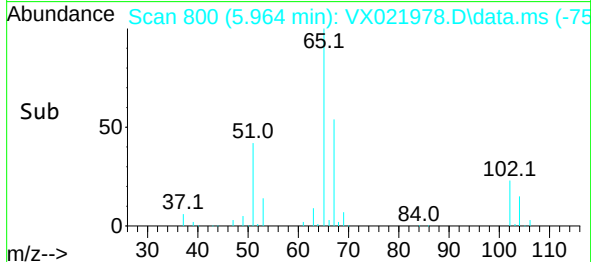
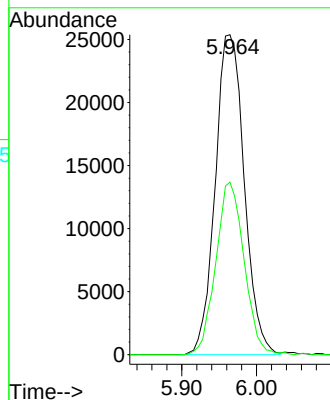
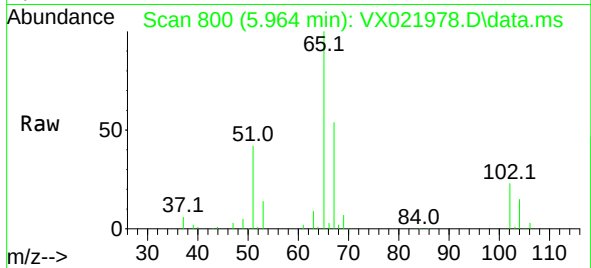
Acq: 13 May 2021 19:22

Tgt Ion: 65 Resp: 68521

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX021978.D

Acq: 13 May 2021 19:22

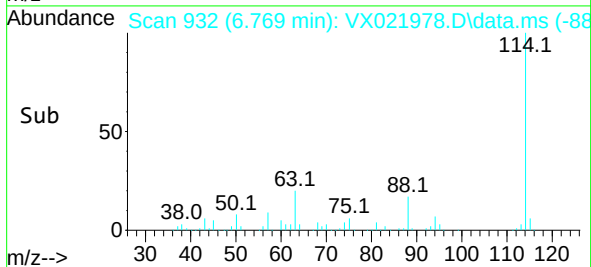
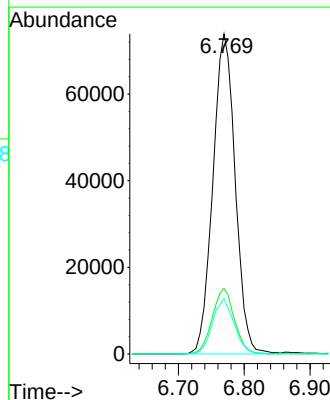
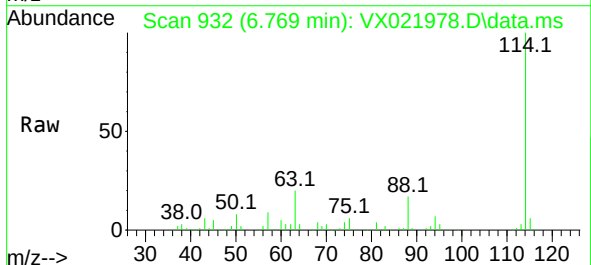
Tgt Ion: 114 Resp: 174557

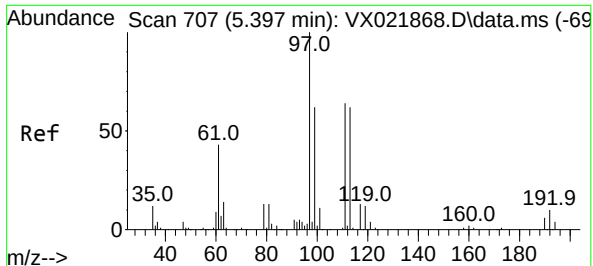
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 17.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.05 ug/l

RT: 5.398 min Scan# 707

Delta R.T. 0.001 min

Lab File: VX021978.D

Acq: 13 May 2021 19:22

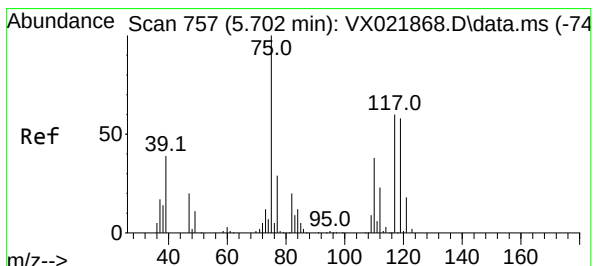
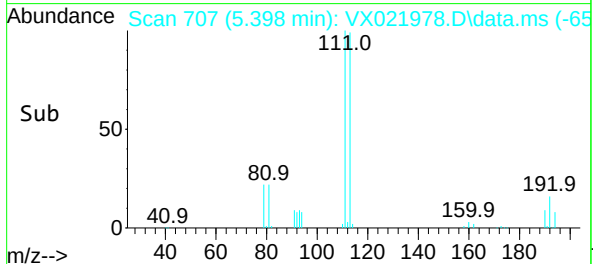
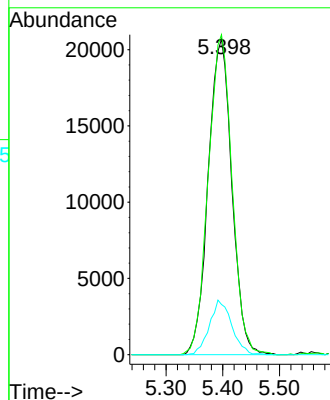
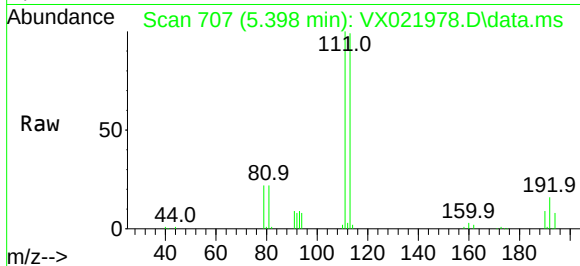
Tgt Ion:113 Resp: 59875

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

192 16.3 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 3.90 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX021978.D

Acq: 13 May 2021 19:22

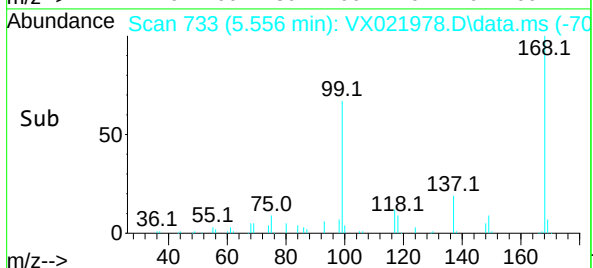
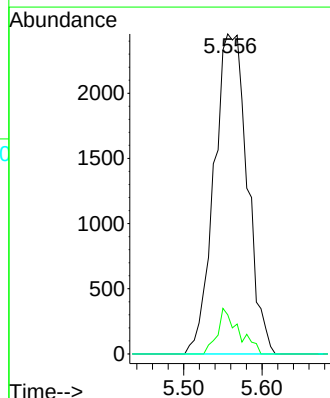
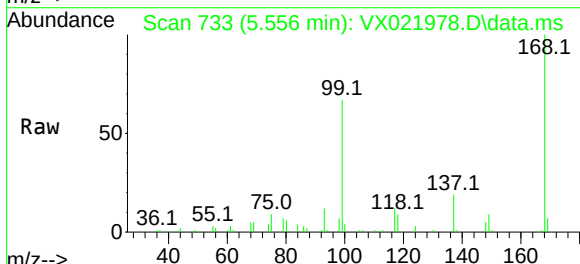
Tgt Ion: 75 Resp: 7213

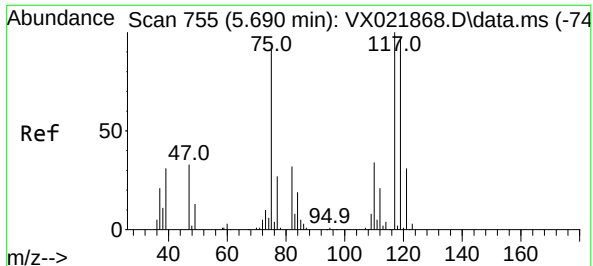
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.0 25.3 37.9#

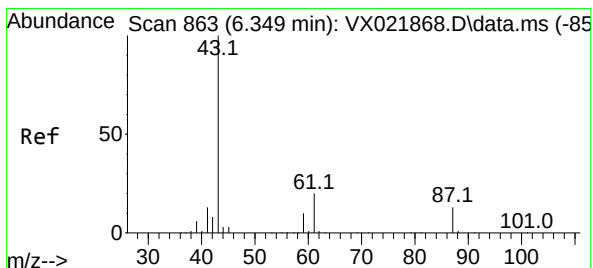
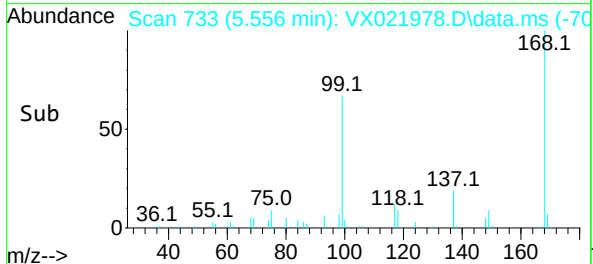
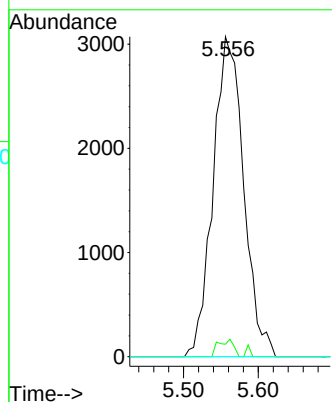
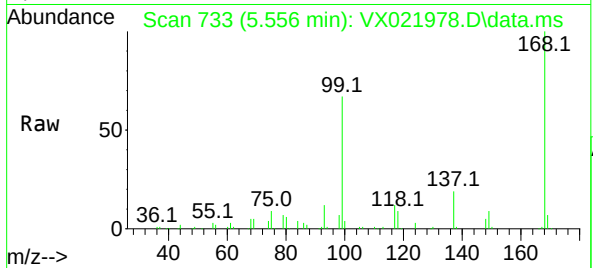




#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

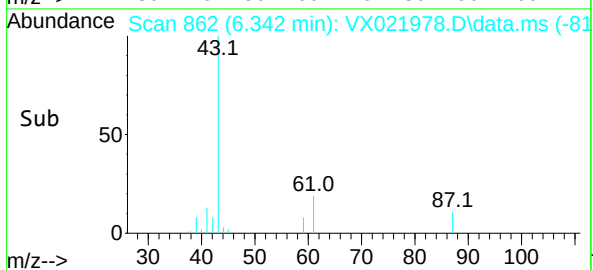
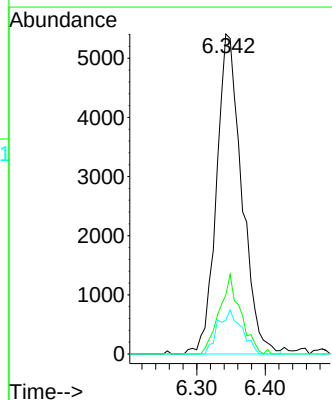
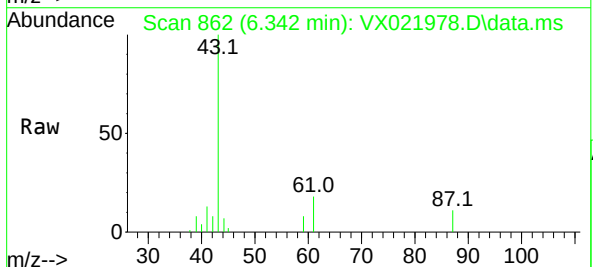
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

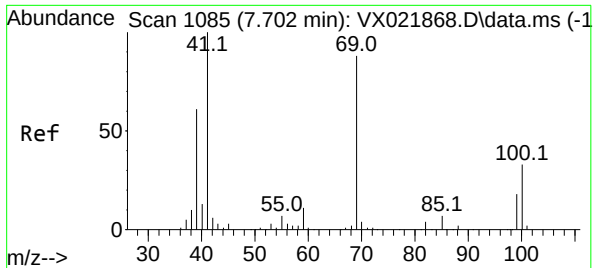
Tgt Ion:117 Resp: 8743
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.67 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.007 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 43 Resp: 13864
Ion Ratio Lower Upper
43 100
61 20.7 18.2 27.4
87 12.7 12.5 18.7

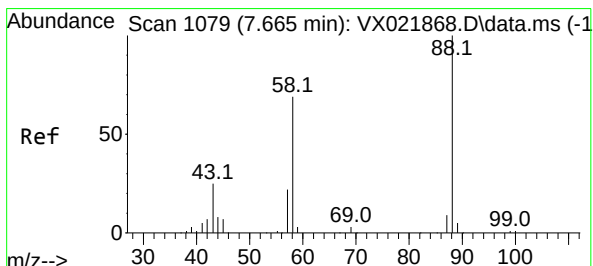
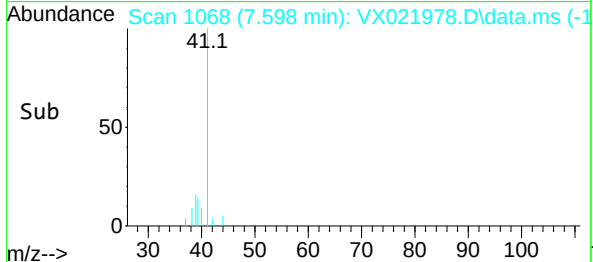
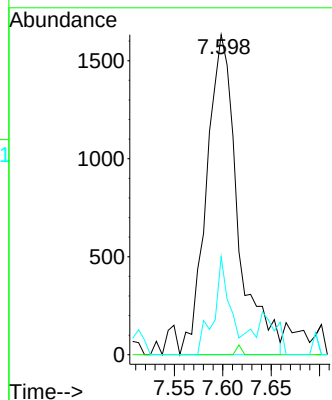
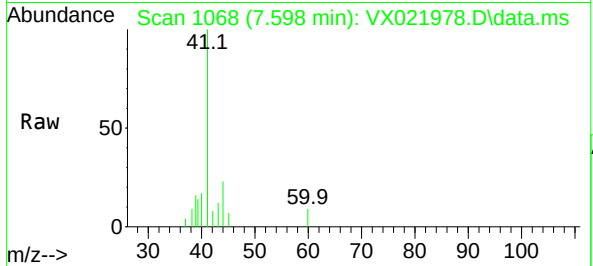




#48
Methyl methacrylate
Concen: 2.11 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

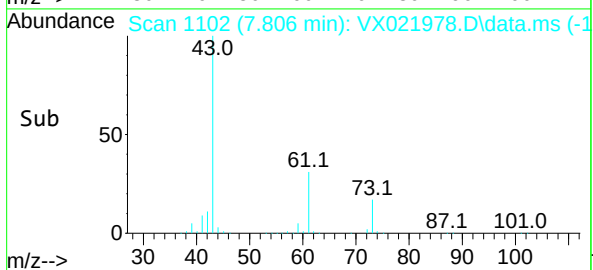
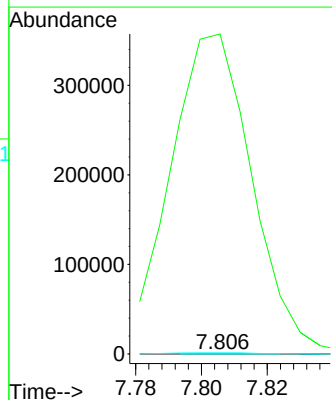
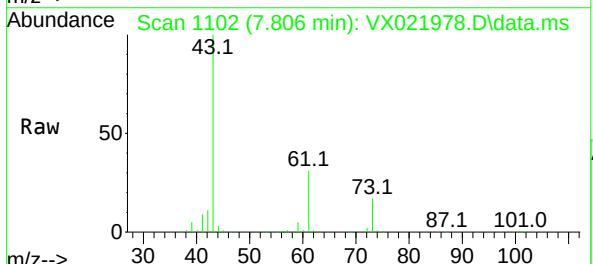
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

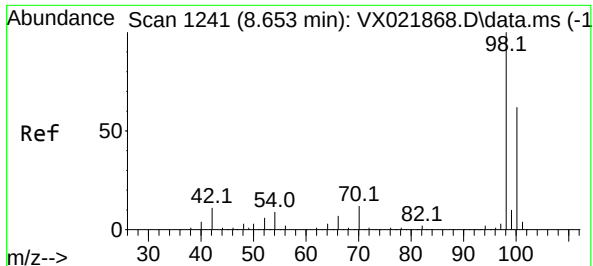
Tgt Ion: 41 Resp: 3664
Ion Ratio Lower Upper
41 100
69 0.5 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.45 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 1197656.6 23.2 34.8#
58 4771.7 55.0 82.4#

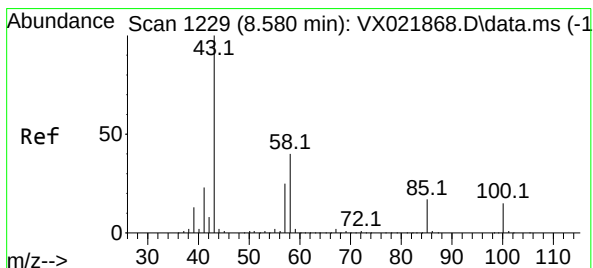
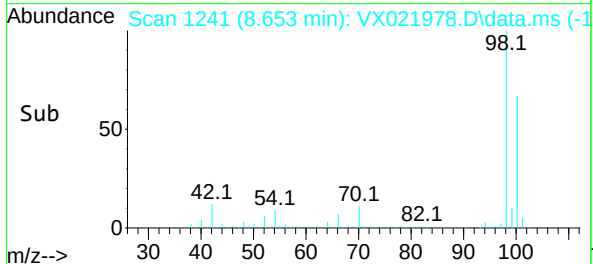
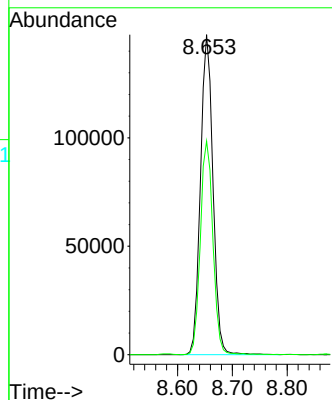
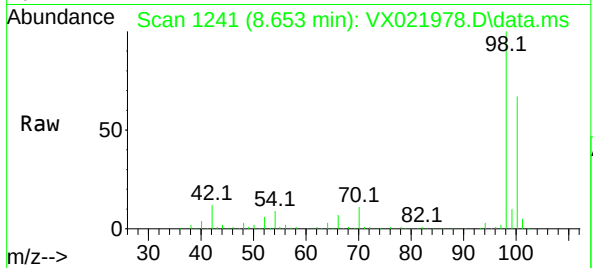




#50
Toluene-d8
Concen: 51.24 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

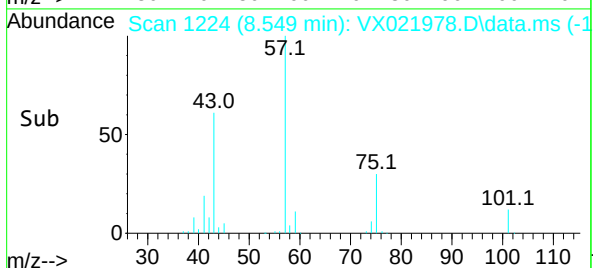
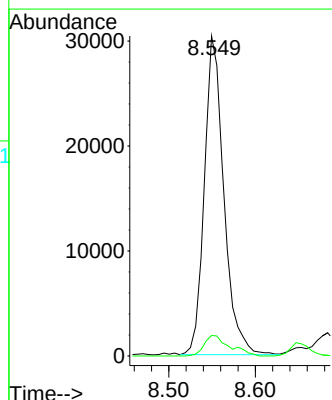
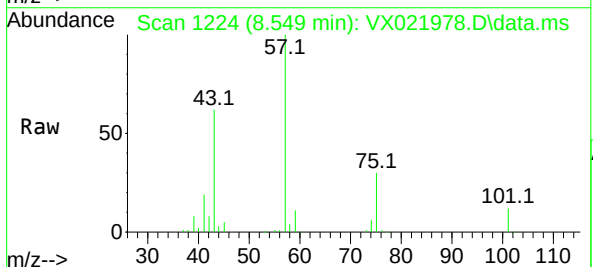
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

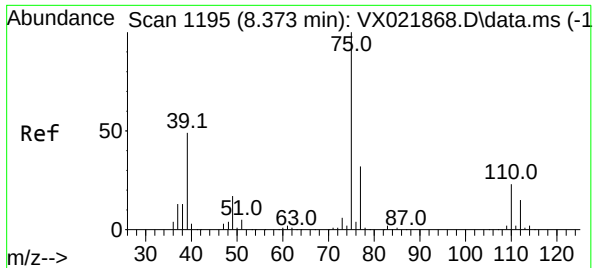
Tgt Ion: 98 Resp: 233921
Ion Ratio Lower Upper
98 100
100 67.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.16 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 43 Resp: 47467
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#

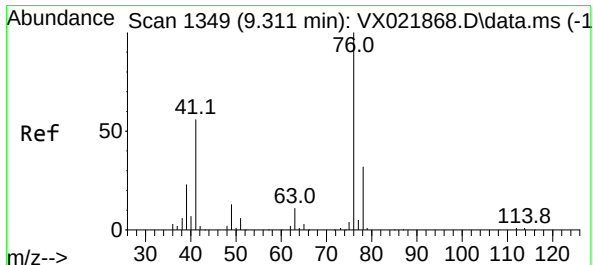
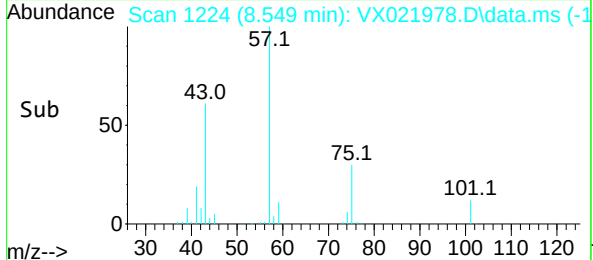
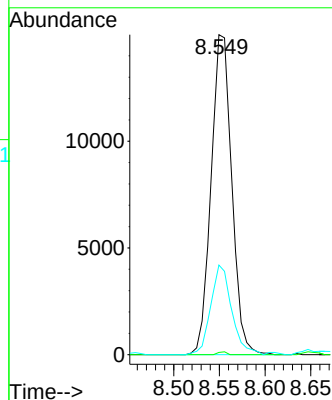
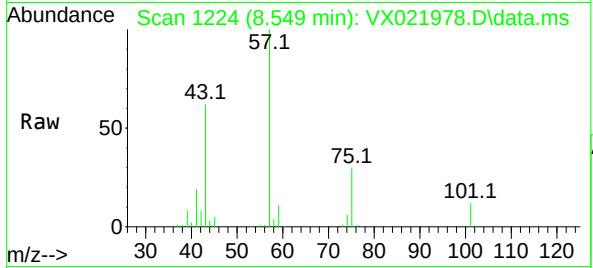




#54
 cis-1,3-Dichloropropene
 Concen: 9.69 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.176 min
 Lab File: VX021978.D
 Acq: 13 May 2021 19:22

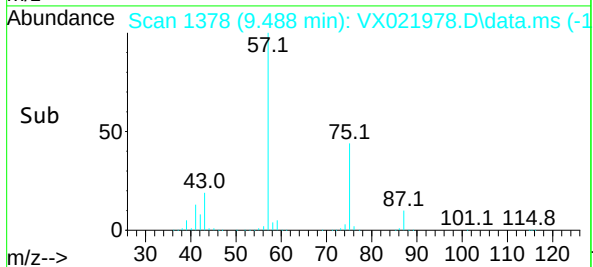
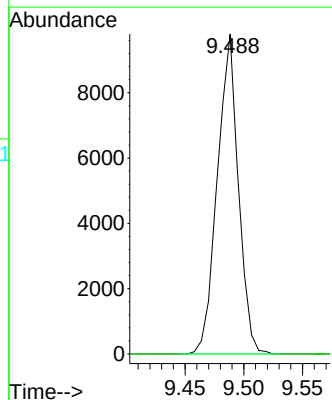
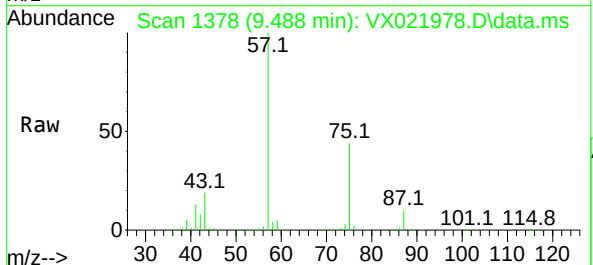
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-206

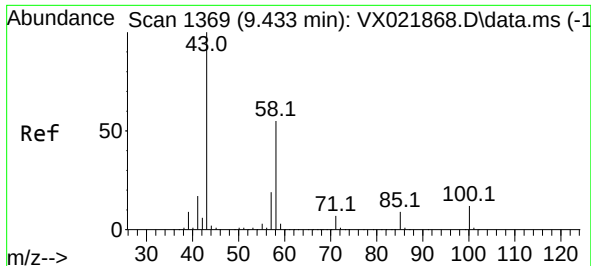
Tgt Ion: 75 Resp: 23544
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 28.0 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.02 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX021978.D
 Acq: 13 May 2021 19:22

Tgt Ion: 76 Resp: 12208
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

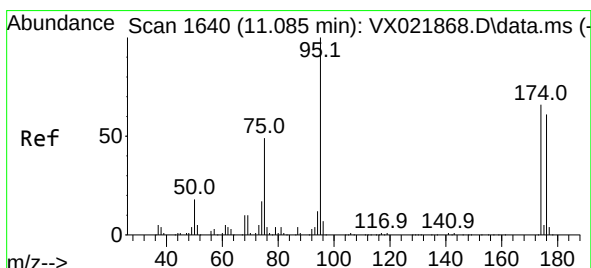
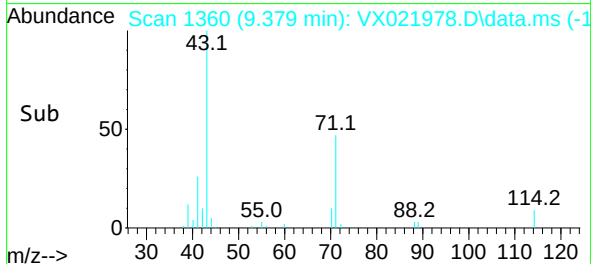
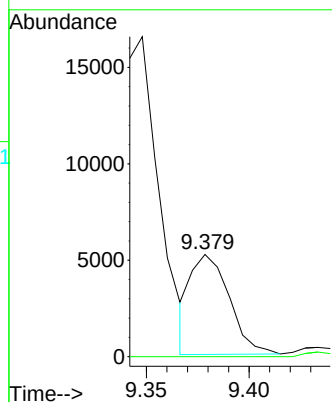
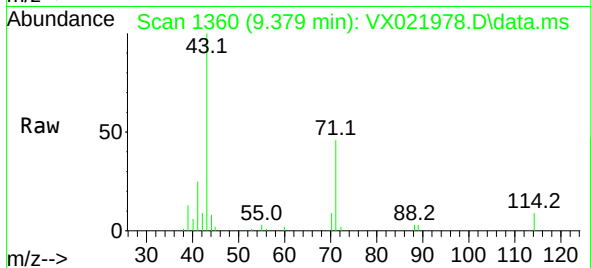




#59
2-Hexanone
Concen: 3.75 ug/l
RT: 9.379 min Scan# 1360
Delta R.T. -0.054 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

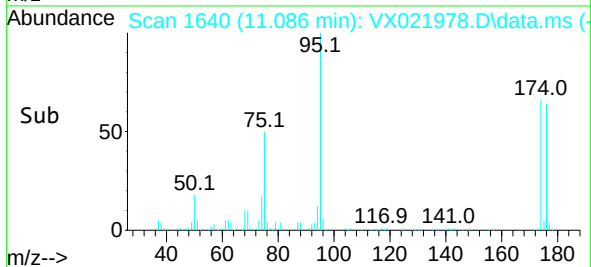
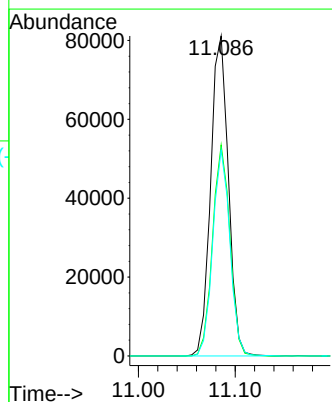
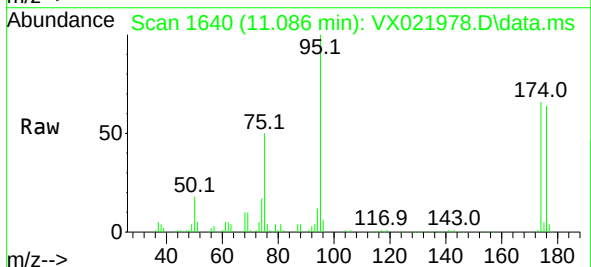
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

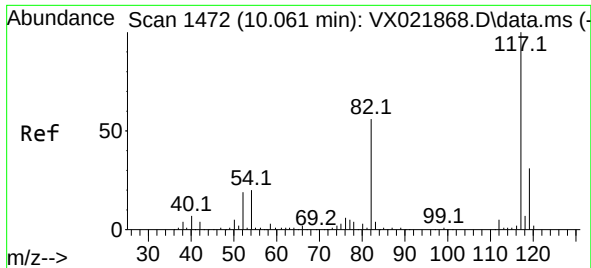
Tgt Ion: 43 Resp: 6798
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 57.48 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 95 Resp: 103549
Ion Ratio Lower Upper
95 100
174 64.6 0.0 154.6
176 62.0 0.0 155.8

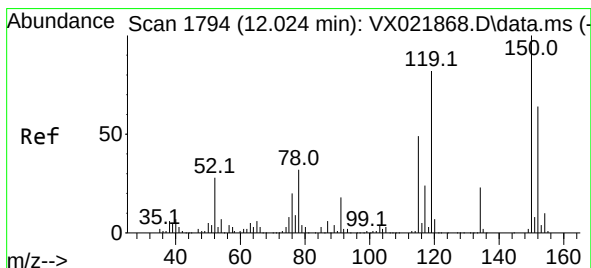
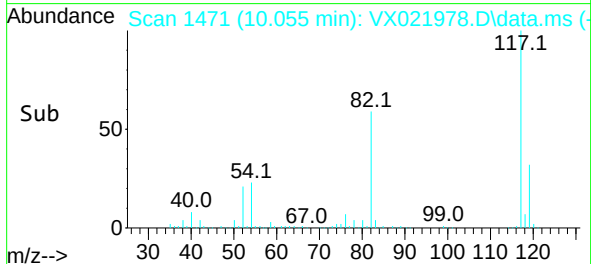
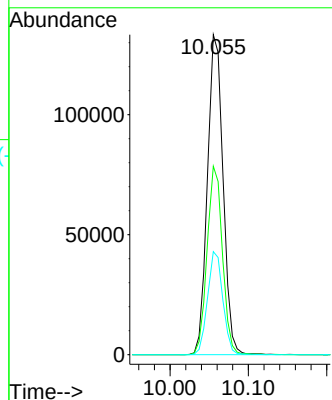
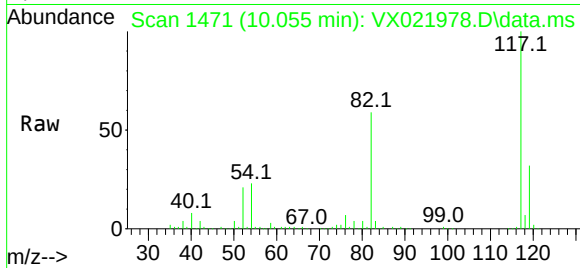




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

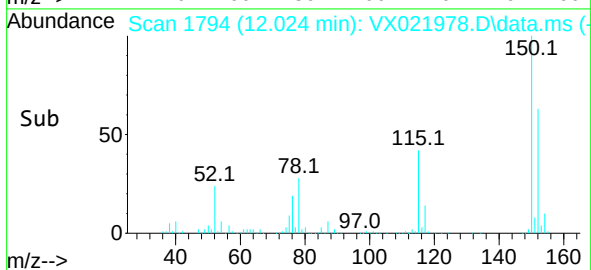
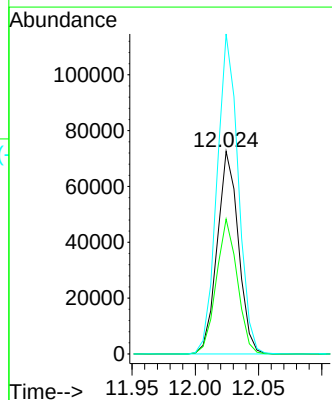
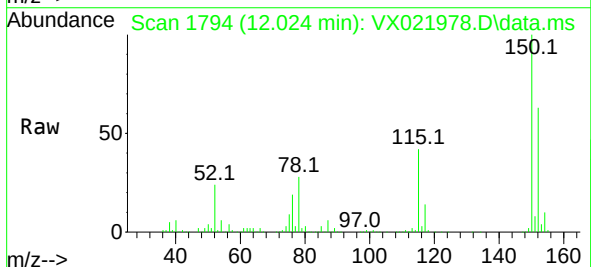
Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

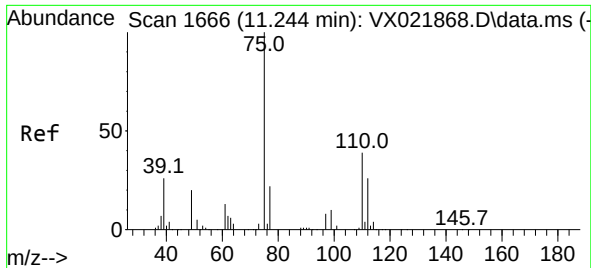
Tgt Ion:117 Resp: 184584
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion:152 Resp: 84344
Ion Ratio Lower Upper
152 100
115 66.0 41.1 123.3
150 158.3 0.0 349.0

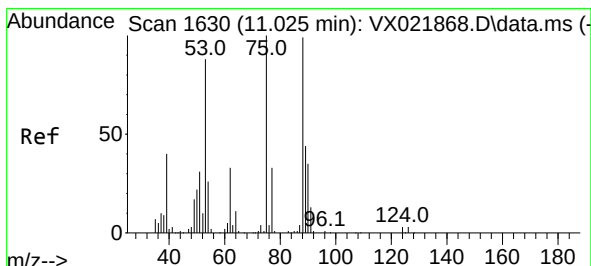
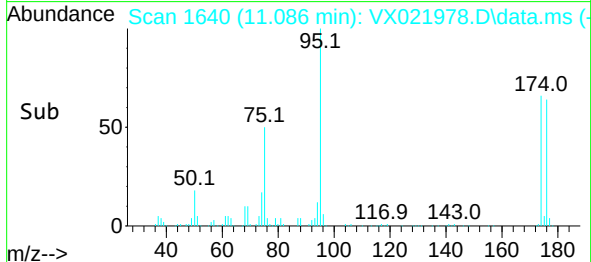
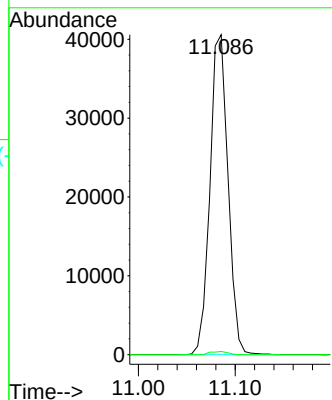
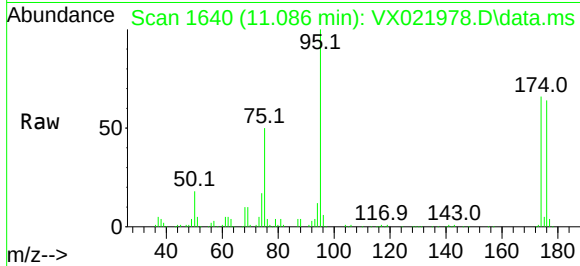




#76
1,2,3-Trichloropropane
Concen: 21.99 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

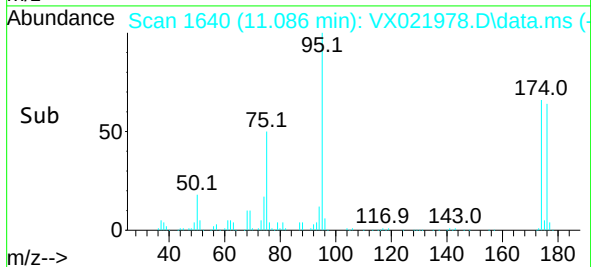
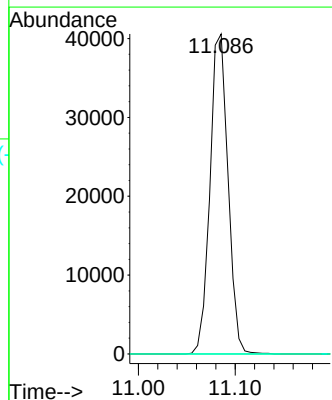
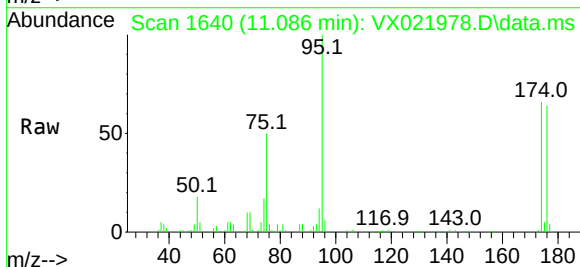
Instrument :
MSVOA_X
ClientSampled :
VNJ-206

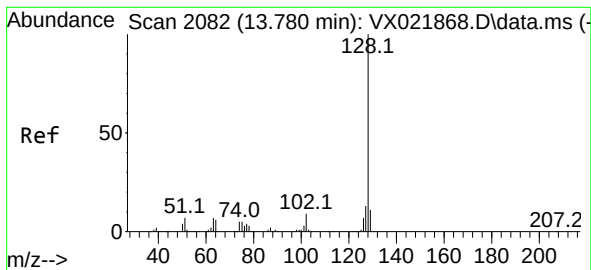
Tgt Ion: 75 Resp: 52732
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.01 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Tgt Ion: 75 Resp: 52732
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 0.32 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX021978.D
Acq: 13 May 2021 19:22

Instrument :
MSVOA_X
ClientSampleId :
VNJ-206

Tgt Ion:128 Resp: 2414
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 10.3 8.8 13.2

