

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036494.D
 Acq On : 10 Jul 2023 19:41
 Operator : JC/MD
 Sample : 03555-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-240

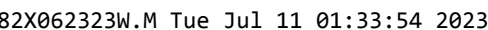
Quant Time: Jul 11 01:33:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

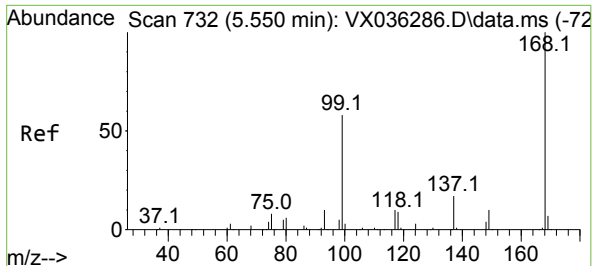
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	177444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	311413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	288834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	120032	47.191	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.380%		
35) Dibromofluoromethane	5.385	113	96905	47.193	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	8.647	98	384723	50.164	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.320%		
62) 4-Bromofluorobenzene	11.079	95	136964	50.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.400%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	1269	2.741	ug/l #	78
16) Acetone	2.380	43	70107	64.485	ug/l #	89
17) Carbon Disulfide	2.508	76	1073	0.217	ug/l	99
18) Methyl Acetate	2.703	43	2765	0.618	ug/l	92
20) Methylene Chloride	2.788	84	8598	3.673	ug/l	86
25) 2-Butanone	4.556	43	51492	32.964	ug/l	90
29) Tetrahydrofuran	5.013	42	469	0.472	ug/l #	68
31) Cyclohexane	5.556	56	4094	1.256	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	14774	4.827	ug/l #	49
37) Ethyl Acetate	4.715	43	11737	3.762	ug/l	98
38) Carbon Tetrachloride	5.550	117	18179	6.503	ug/l #	14
41) Methacrylonitrile	5.019	41	409	0.236	ug/l #	51
43) Isopropyl Acetate	6.342	43	124946	25.107	ug/l	97
48) Methyl methacrylate	7.799	41	89180	35.940	ug/l #	49
49) 1,4-Dioxane	7.799	88	59	1.073	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	224776	70.105	ug/l #	82
54) cis-1,3-Dichloropropene	8.549	75	40741	12.036	ug/l #	60
56) Ethyl methacrylate	9.250	69	750	0.223	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3567	0.924	ug/l #	42
59) 2-Hexanone	9.482	43	48385	20.665	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	72128	25.320	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72128	82.537	ug/l #	5

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

Quant Time: Jul 11 01:33:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

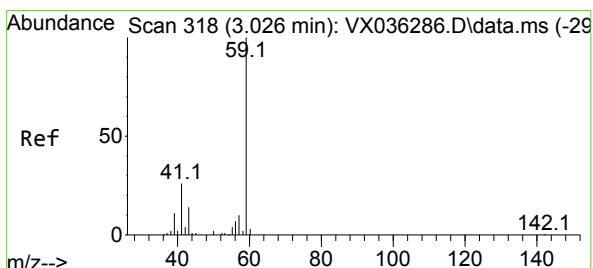
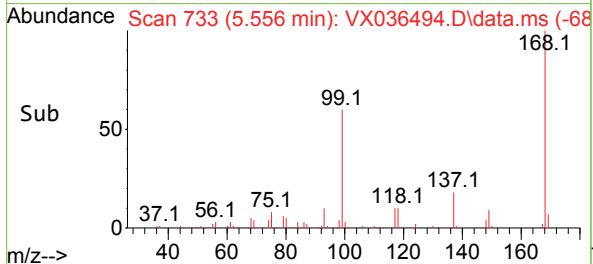
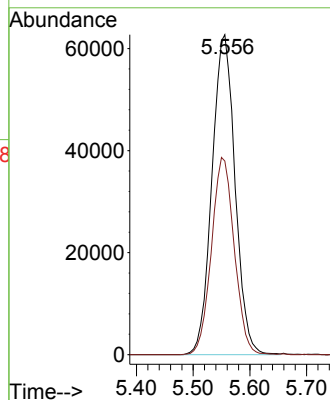
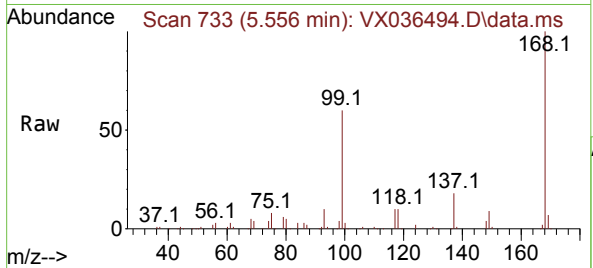




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

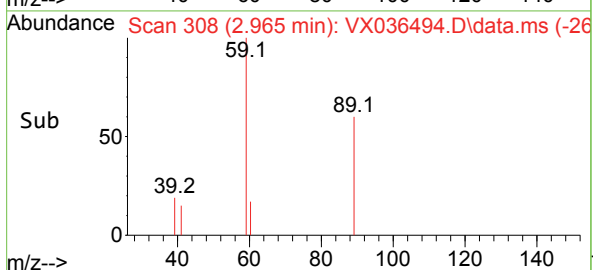
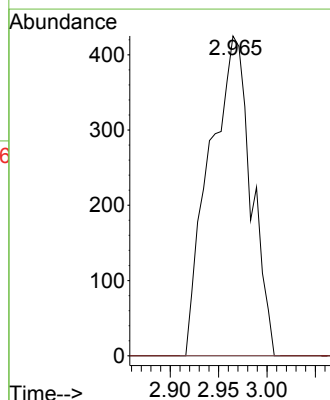
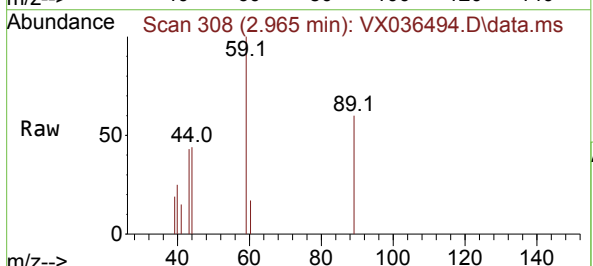
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

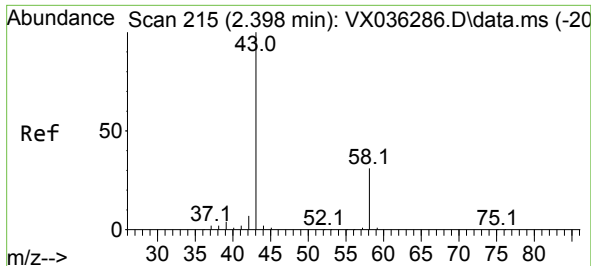
Tgt Ion:168 Resp: 177444
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.741 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.048 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 59 Resp: 1269
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 64.485 ug/l

RT: 2.380 min Scan# 215

Delta R.T. -0.024 min

Lab File: VX036494.D

Acq: 10 Jul 2023 19:41

Instrument :

MSVOA_X

ClientSampleId :

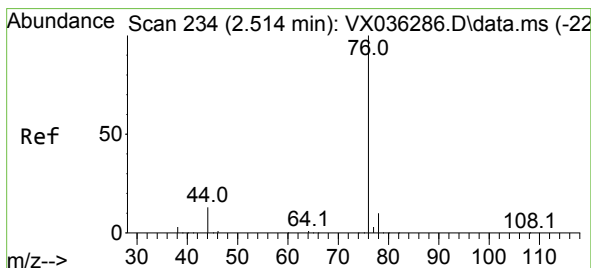
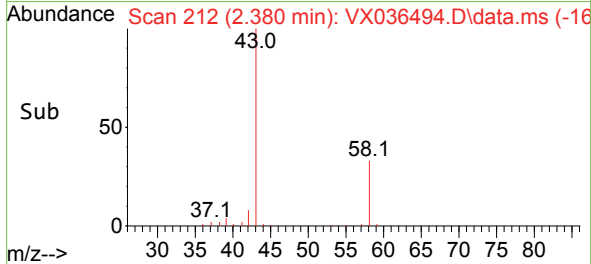
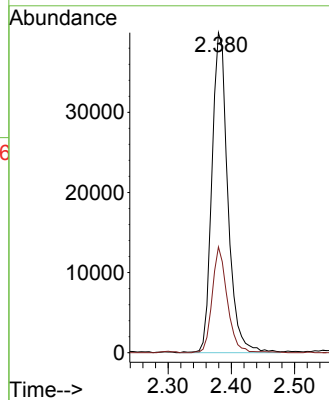
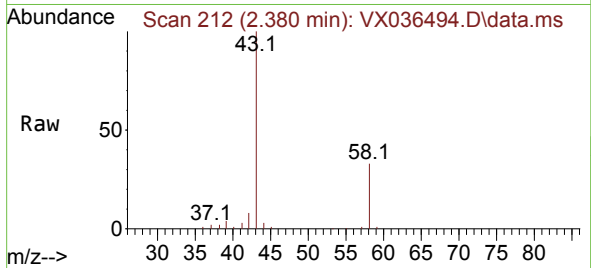
VNJ-240

Tgt Ion: 43 Resp: 70107

Ion Ratio Lower Upper

43 100

58 33.0 21.9 32.9#



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.508 min Scan# 233

Delta R.T. -0.005 min

Lab File: VX036494.D

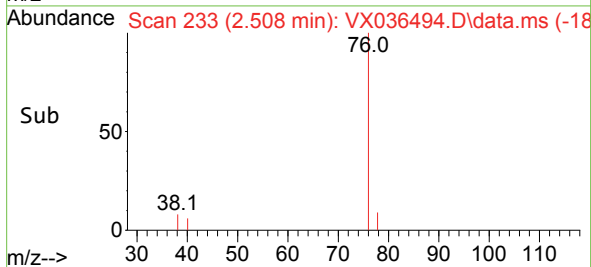
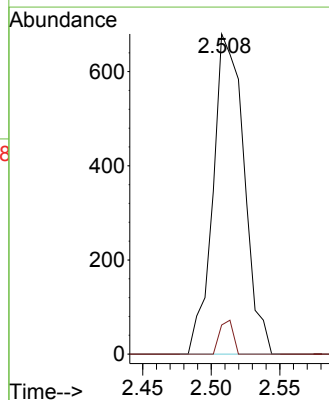
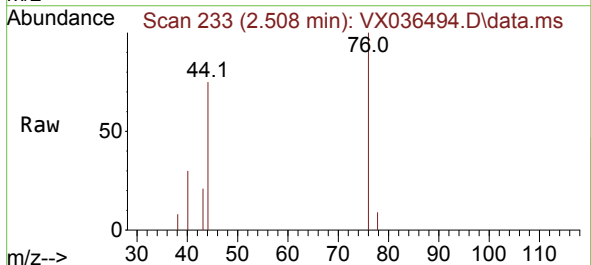
Acq: 10 Jul 2023 19:41

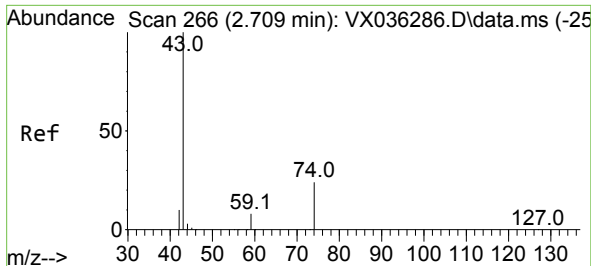
Tgt Ion: 76 Resp: 1073

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

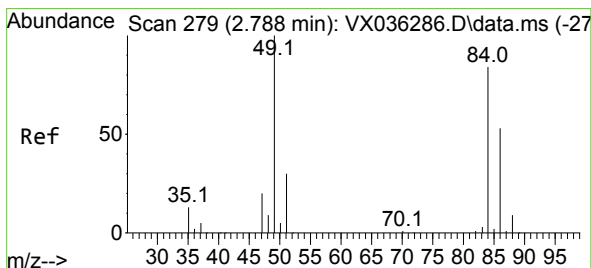
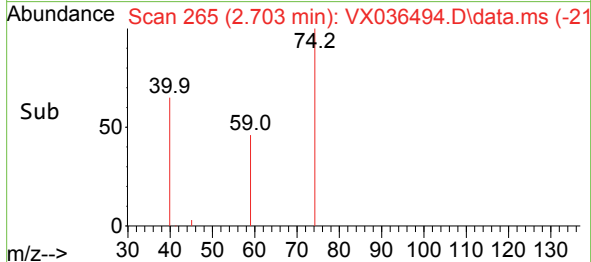
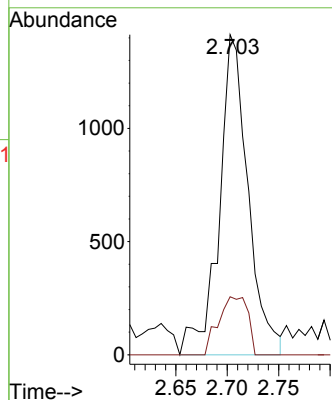
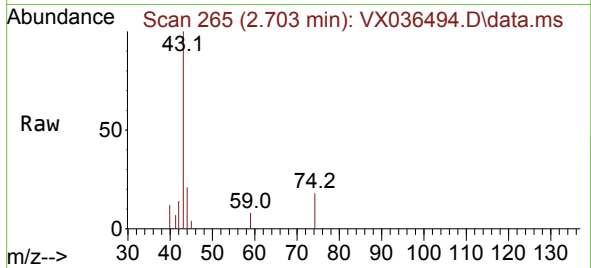




#18
Methyl Acetate
Concen: 0.618 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

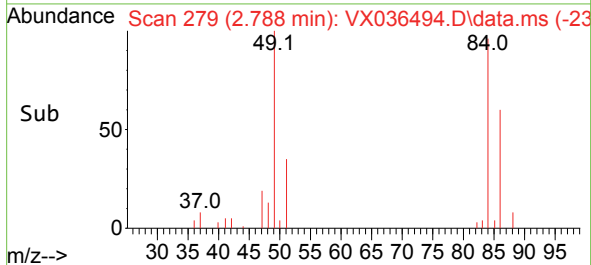
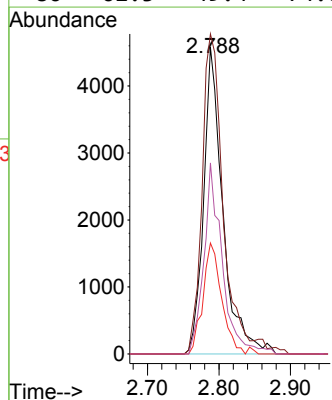
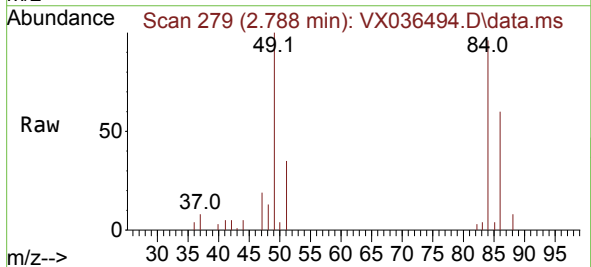
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

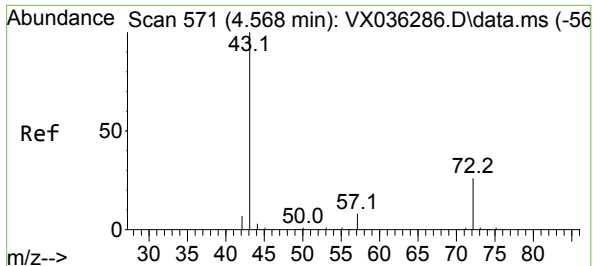
Tgt Ion: 43 Resp: 2765
Ion Ratio Lower Upper
43 100
74 18.3 17.8 26.8



#20
Methylene Chloride
Concen: 3.673 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 84 Resp: 8598
Ion Ratio Lower Upper
84 100
49 104.4 103.6 155.4
51 36.2 33.8 50.6
86 62.3 49.4 74.0





#25

2-Butanone

Concen: 32.964 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.012 min

Lab File: VX036494.D

Acq: 10 Jul 2023 19:41

Instrument :

MSVOA_X

ClientSampleId :

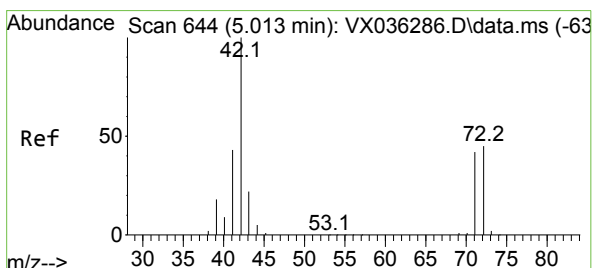
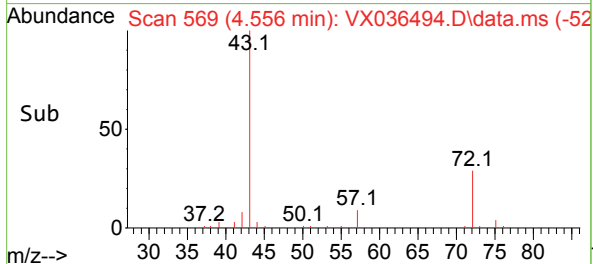
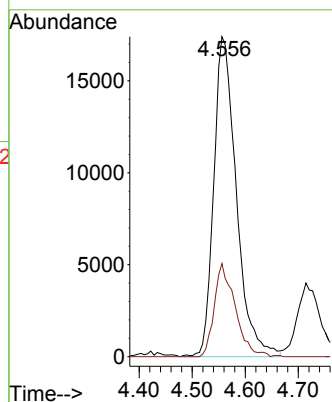
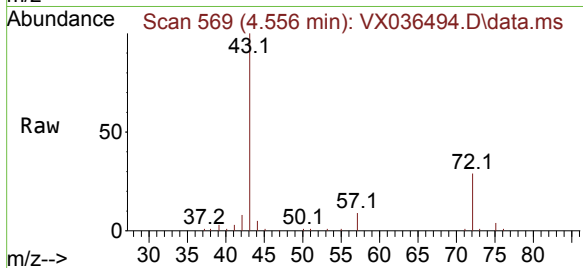
VNJ-240

Tgt Ion: 43 Resp: 51492

Ion Ratio Lower Upper

43 100

72 29.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.472 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX036494.D

Acq: 10 Jul 2023 19:41

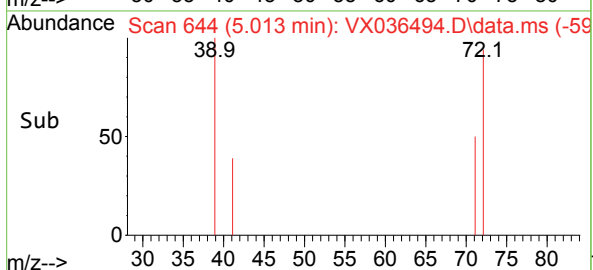
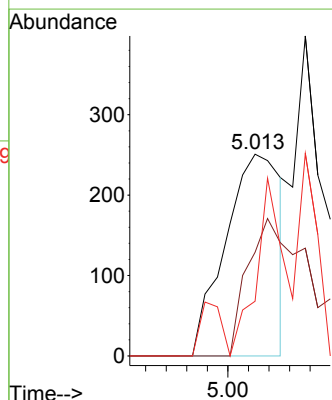
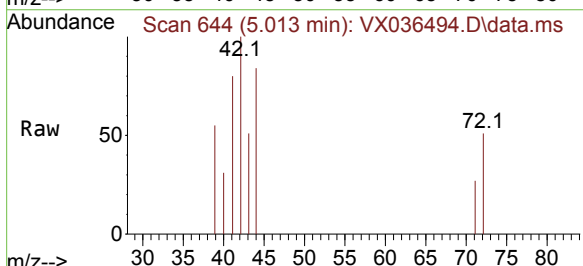
Tgt Ion: 42 Resp: 469

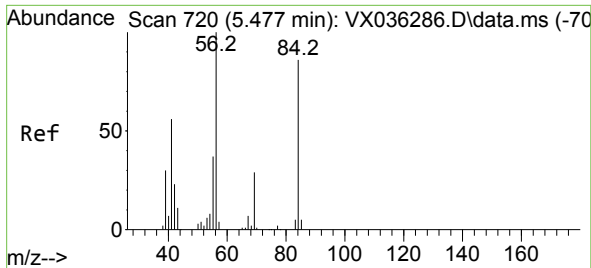
Ion Ratio Lower Upper

42 100

72 79.3 34.2 51.4#

71 43.3 32.2 48.2

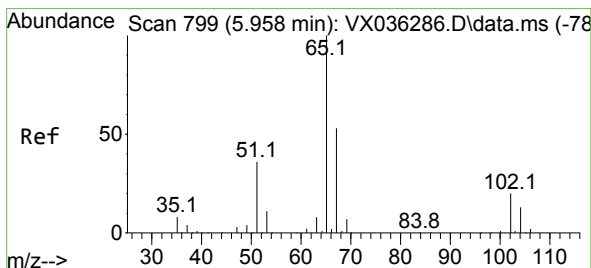
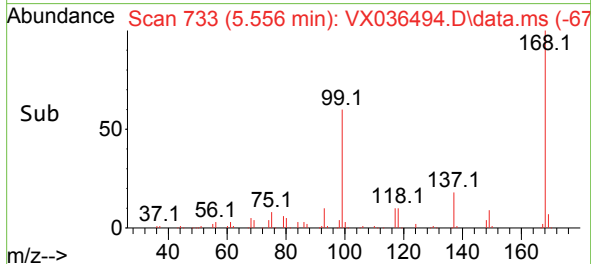
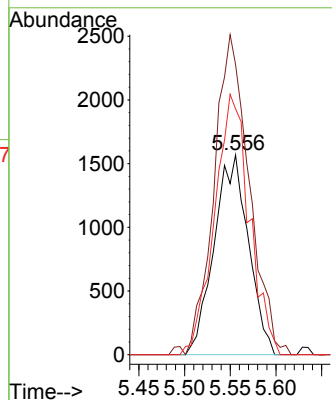
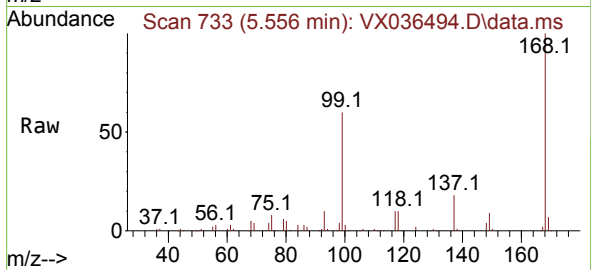




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

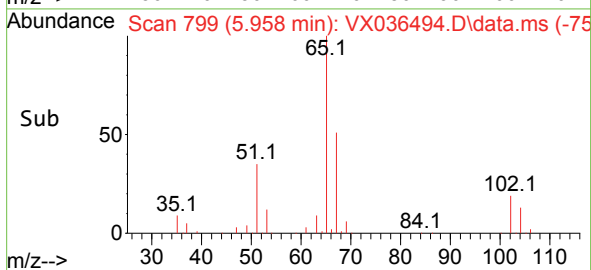
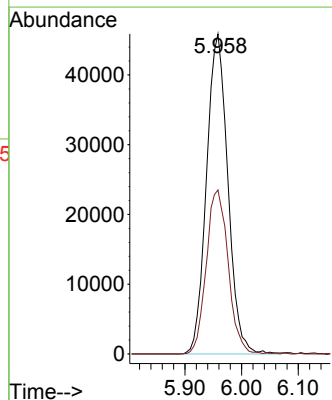
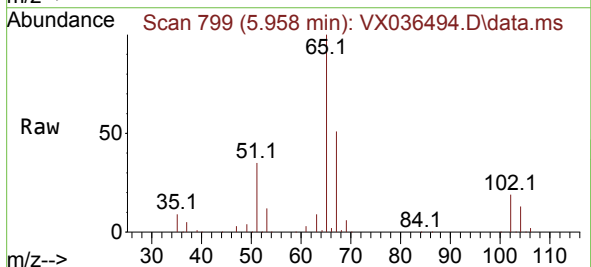
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

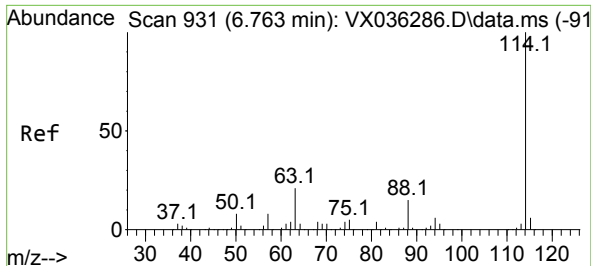
Tgt Ion: 56 Resp: 4094
Ion Ratio Lower Upper
56 100
69 141.6 23.4 35.2#
84 123.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.191 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 65 Resp: 120032
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX036494.D

Acq: 10 Jul 2023 19:41

Instrument :

MSVOA_X

ClientSampleId :

VNJ-240

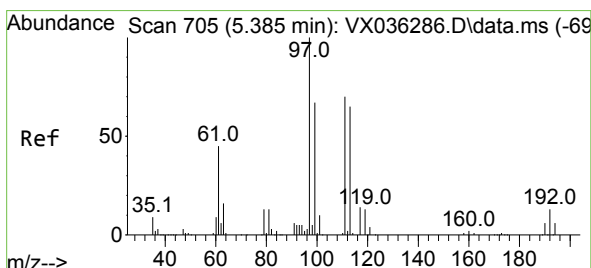
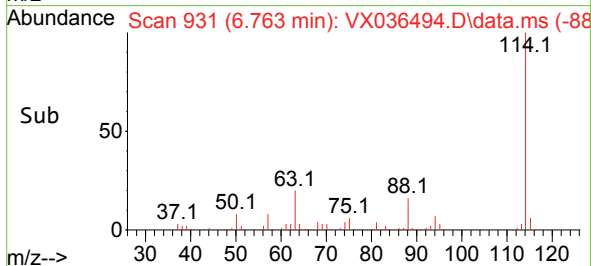
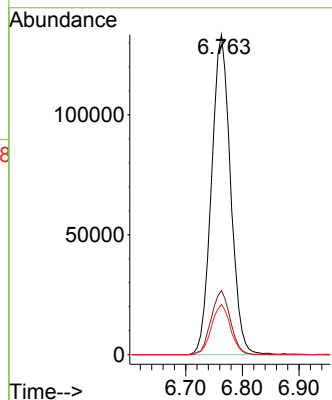
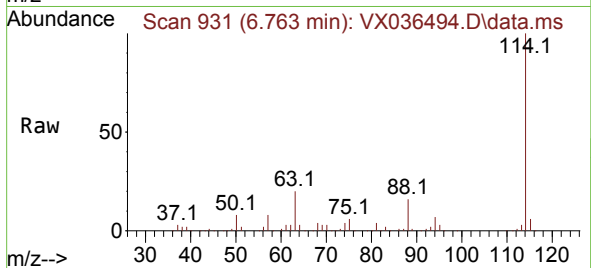
Tgt Ion:114 Resp: 311413

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 15.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.193 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036494.D

Acq: 10 Jul 2023 19:41

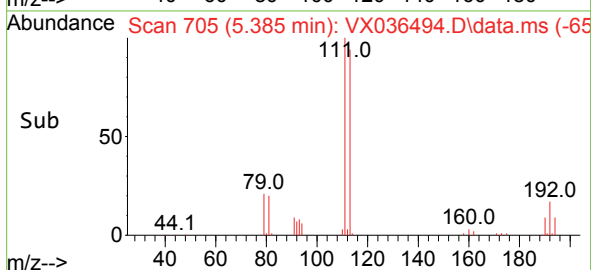
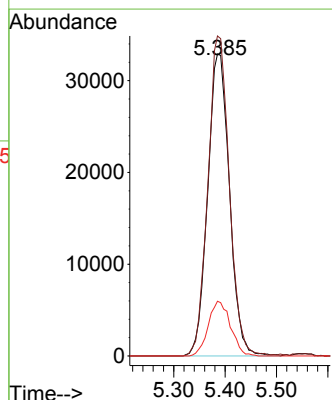
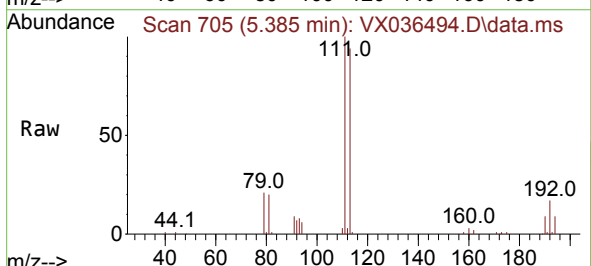
Tgt Ion:113 Resp: 96905

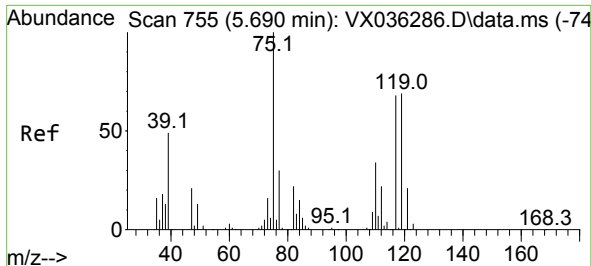
Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

192 18.5 13.3 19.9

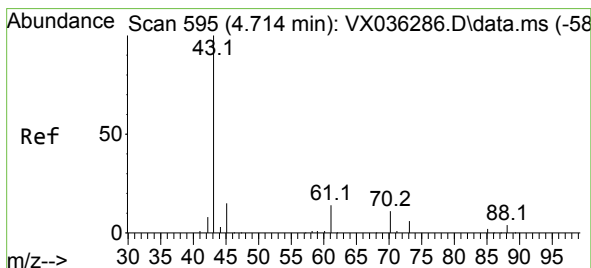
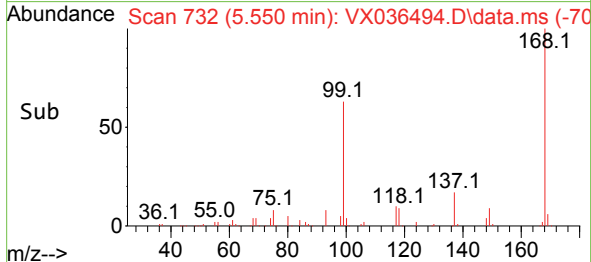
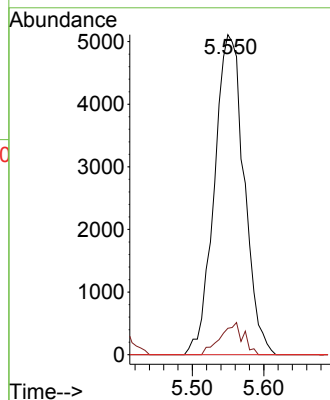
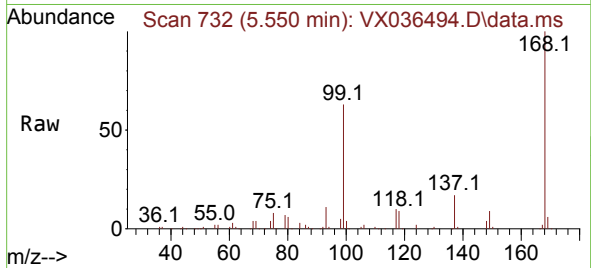




#36
1,1-Dichloropropene
Concen: 4.827 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

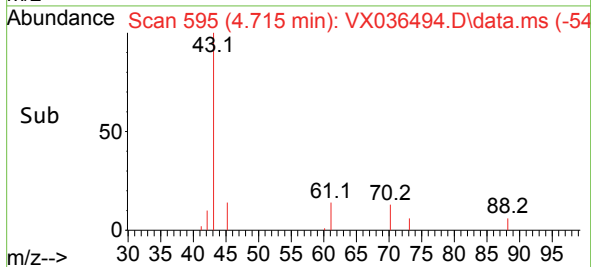
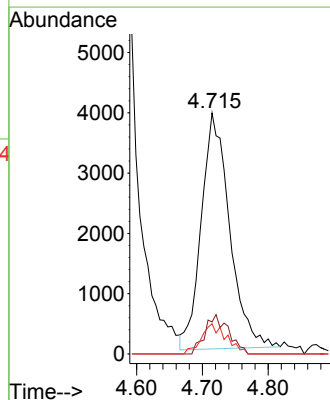
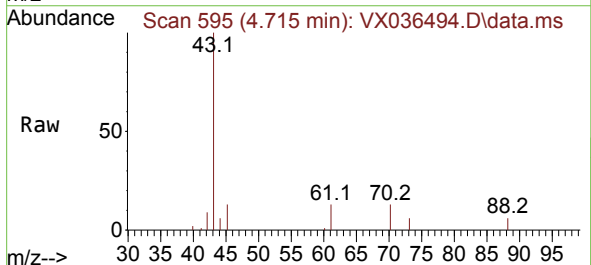
Instrument :
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VNJ-240

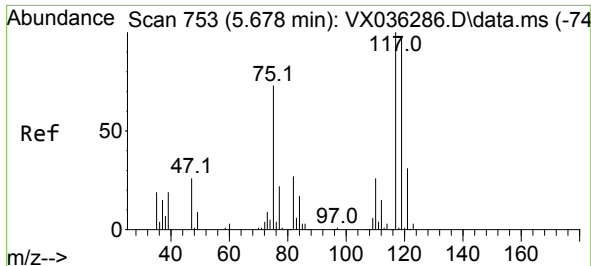
Tgt Ion: 75 Resp: 14774
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 3.762 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 43 Resp: 11737
Ion Ratio Lower Upper
43 100
61 13.9 10.6 16.0
70 11.2 8.3 12.5

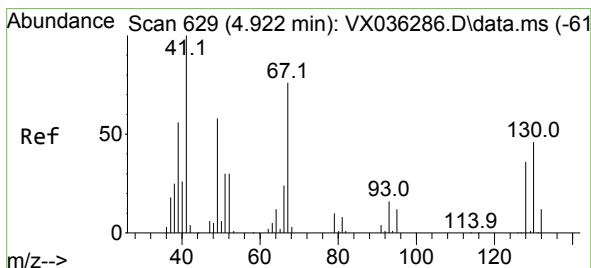
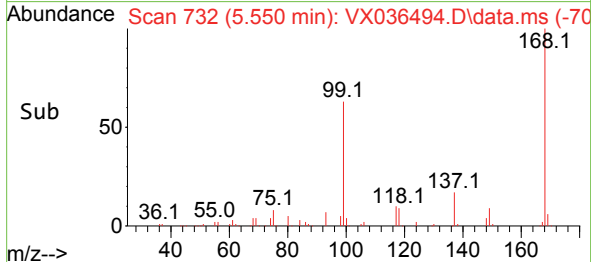
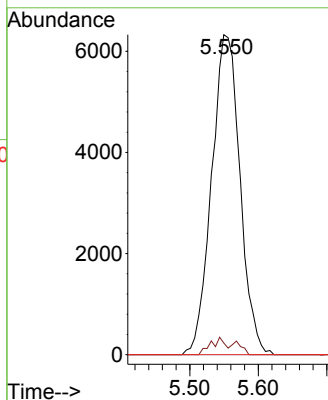
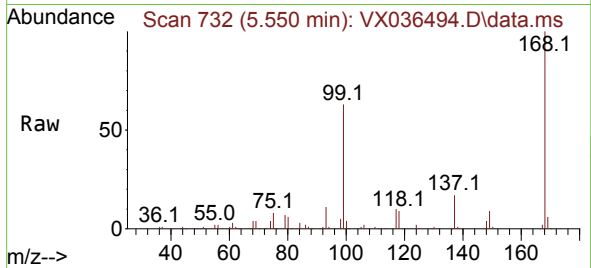




#38
Carbon Tetrachloride
Concen: 6.503 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

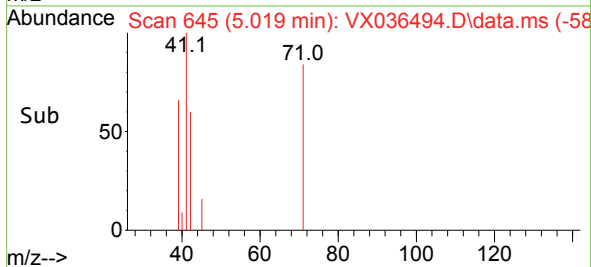
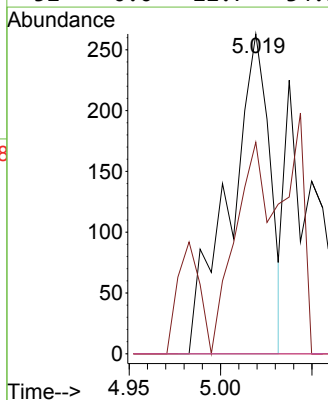
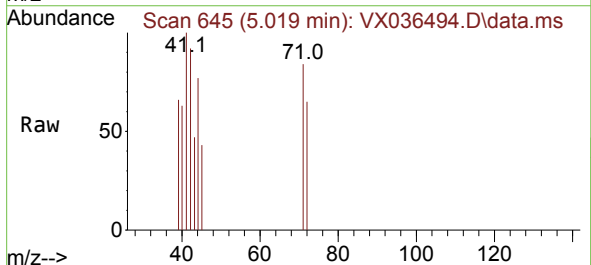
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

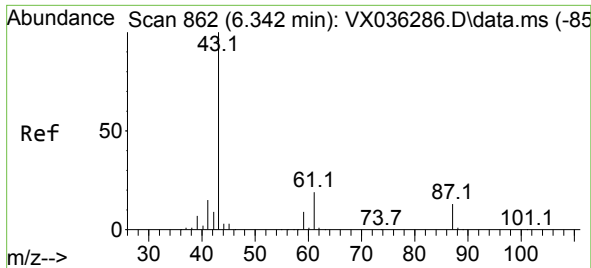
Tgt Ion:117 Resp: 18179
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 41 Resp: 409
Ion Ratio Lower Upper
41 100
39 51.1 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

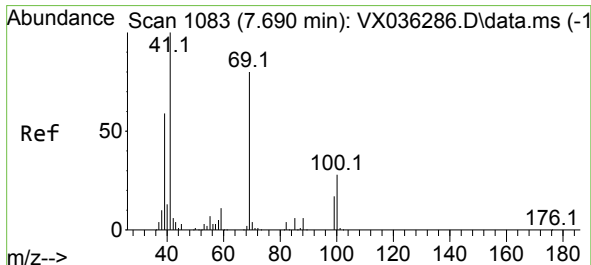
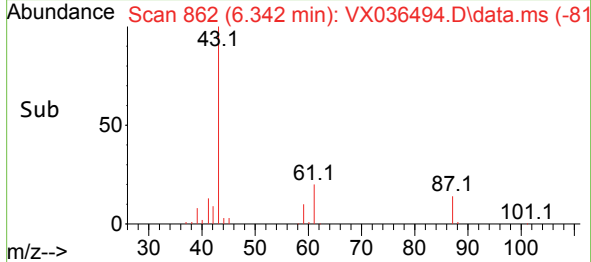
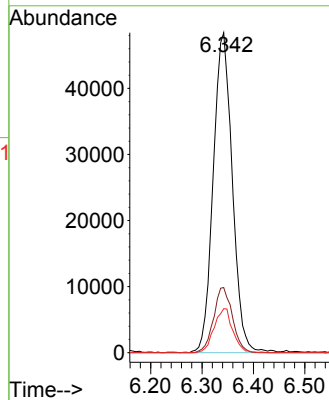
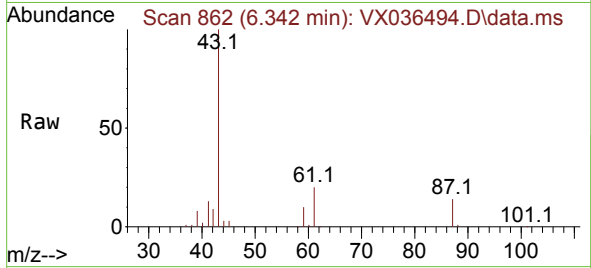




#43
Isopropyl Acetate
Concen: 25.107 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

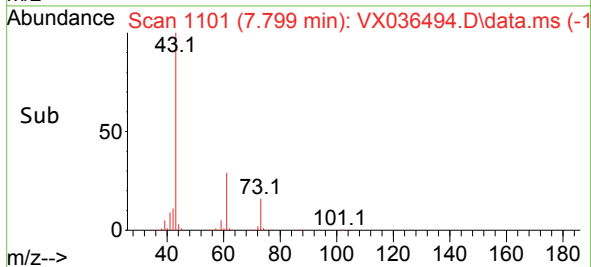
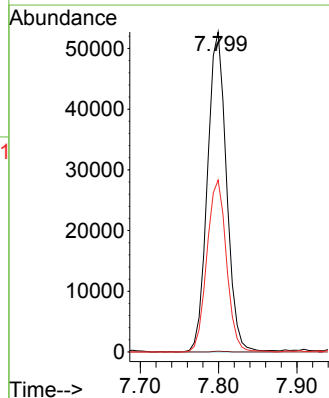
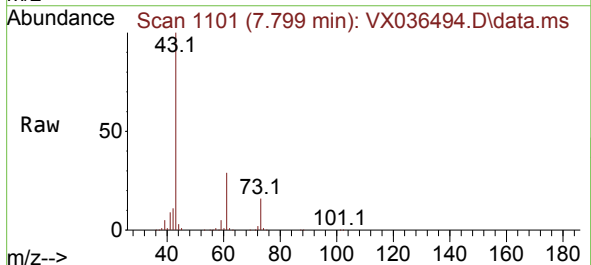
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

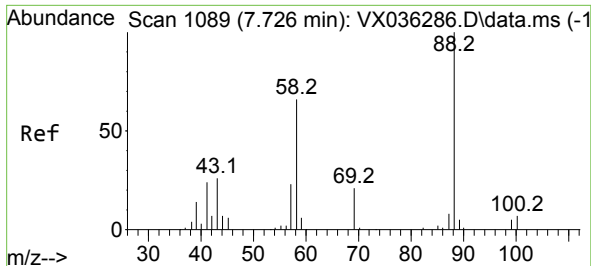
Tgt Ion: 43 Resp: 124946
Ion Ratio Lower Upper
43 100
61 20.1 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 35.940 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 41 Resp: 89180
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.9 47.7 71.5

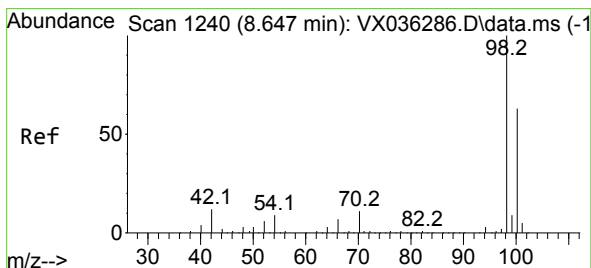
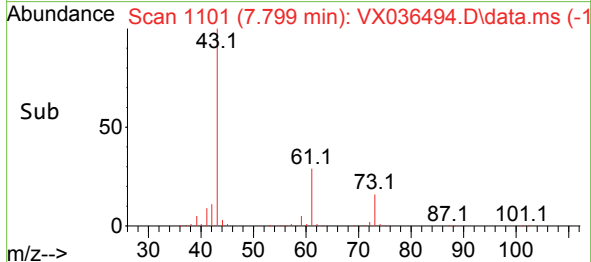
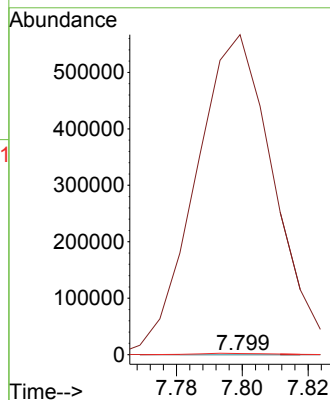
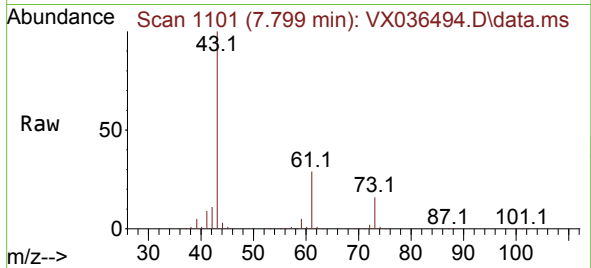




#49
1,4-Dioxane
Concen: 1.073 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.067 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

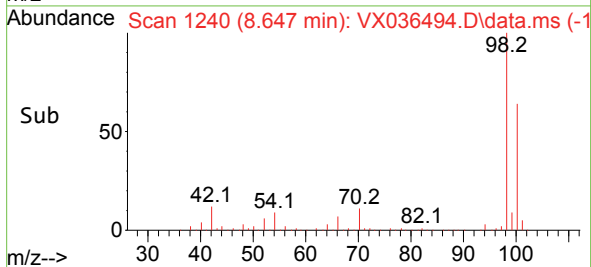
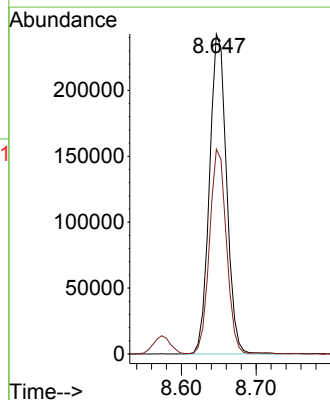
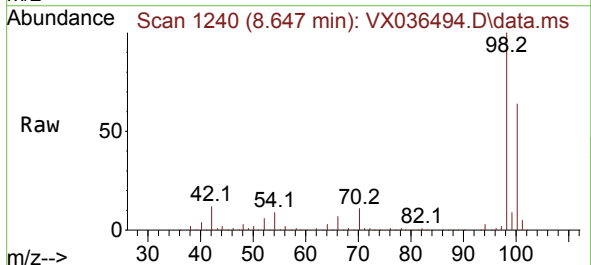
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

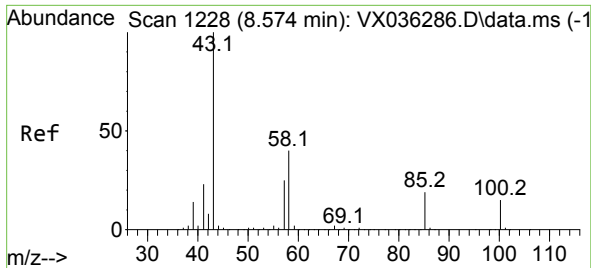
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1609910.2 0.0 0.0#
58 6801.7 60.1 90.1#



#50
Toluene-d8
Concen: 50.164 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 98 Resp: 384723
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

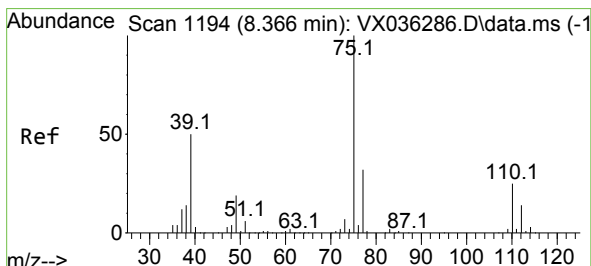
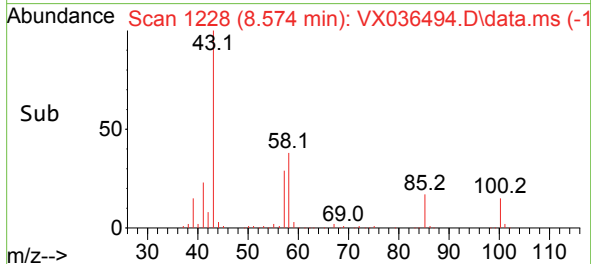
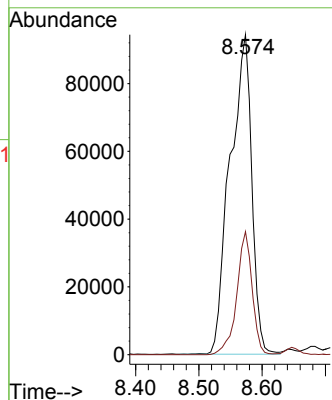
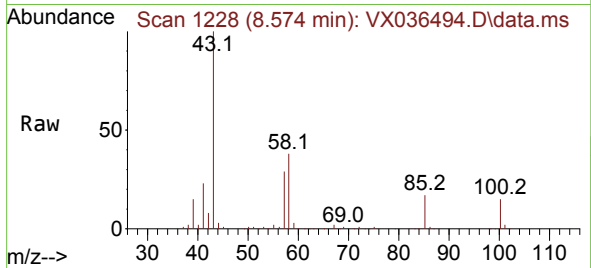




#51
4-Methyl-2-Pentanone
Concen: 70.105 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

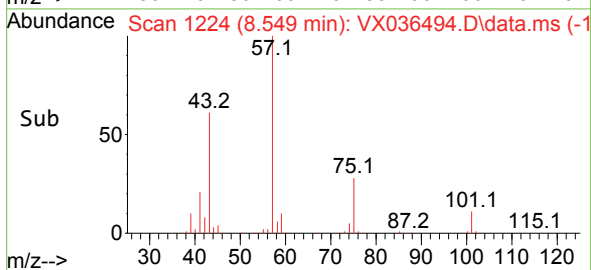
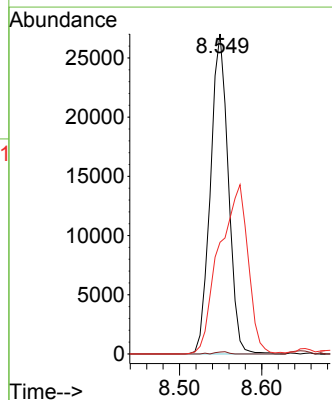
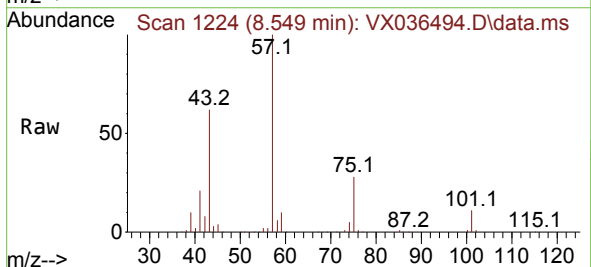
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

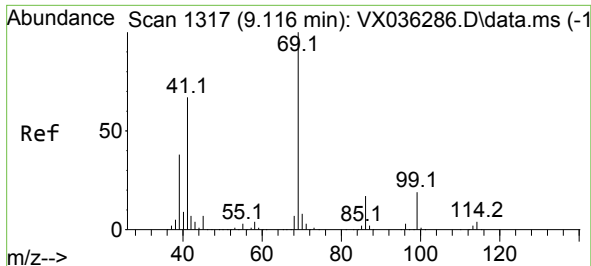
Tgt Ion: 43 Resp: 224776
Ion Ratio Lower Upper
43 100
58 27.4 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 12.036 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 75 Resp: 40741
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 34.9 46.7 70.1#

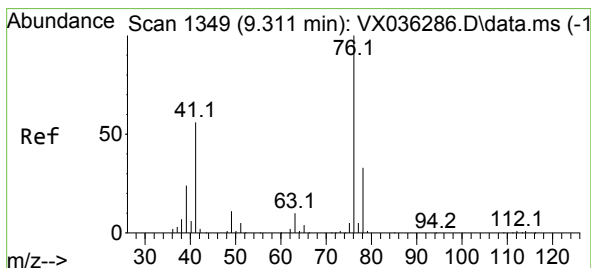
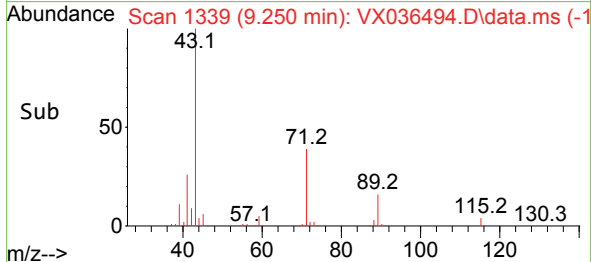
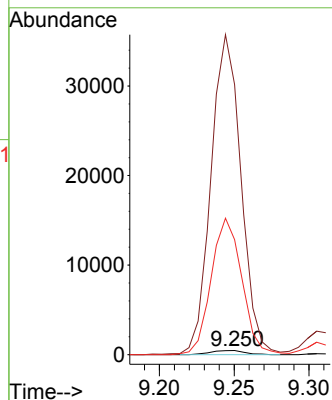
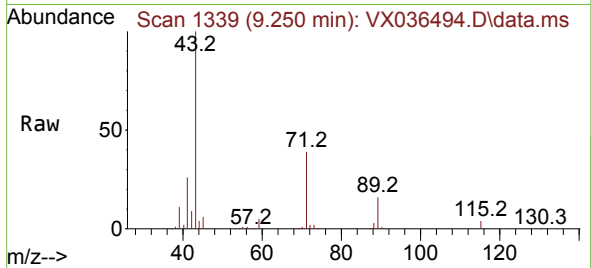




#56
Ethyl methacrylate
Concen: 0.223 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

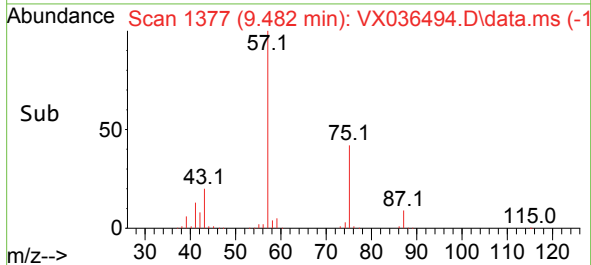
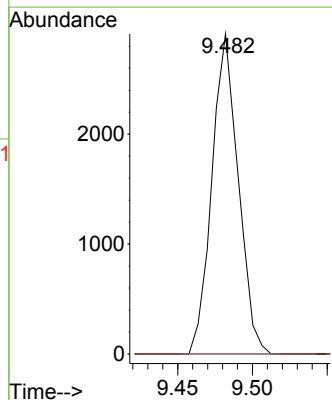
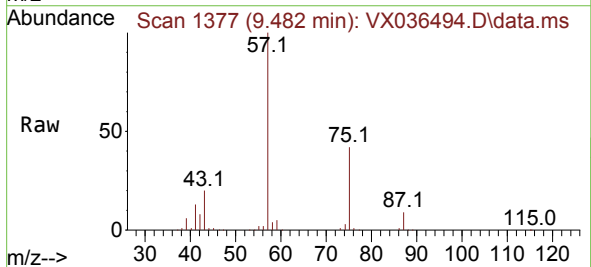
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

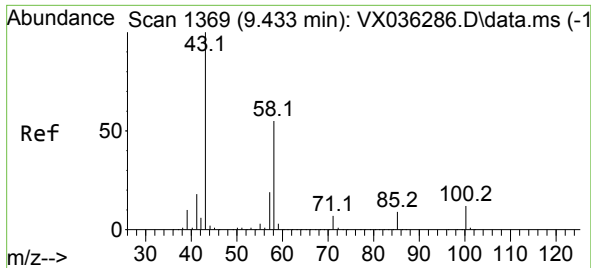
Tgt Ion: 69 Resp: 750
Ion Ratio Lower Upper
69 100
41 6671.9 56.8 85.2#
39 2906.5 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 0.924 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 76 Resp: 3567
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

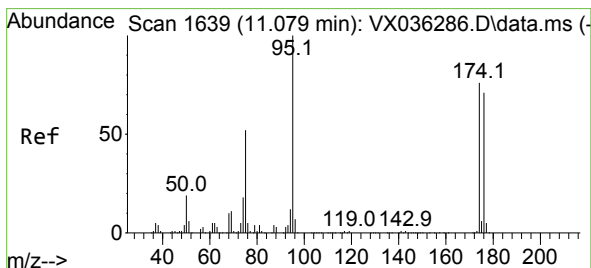
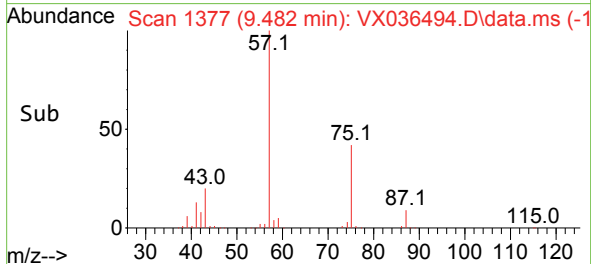
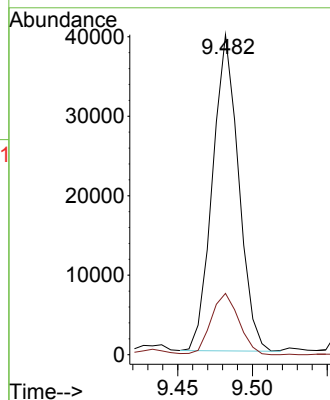
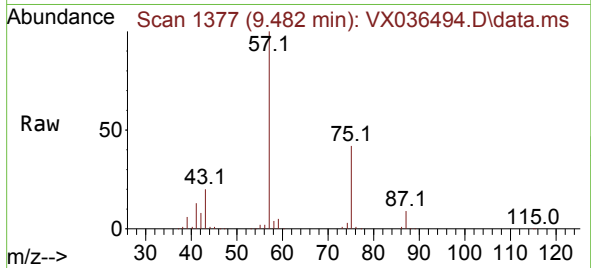




#59
2-Hexanone
Concen: 20.665 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

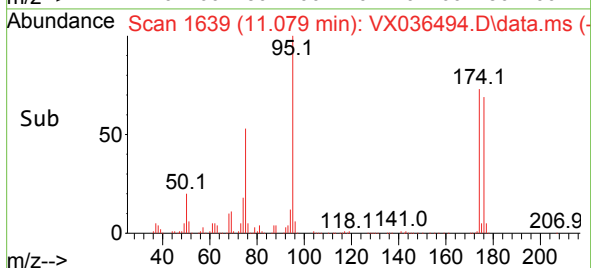
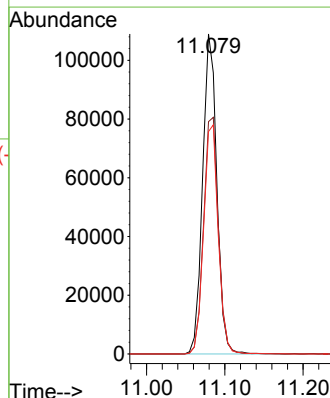
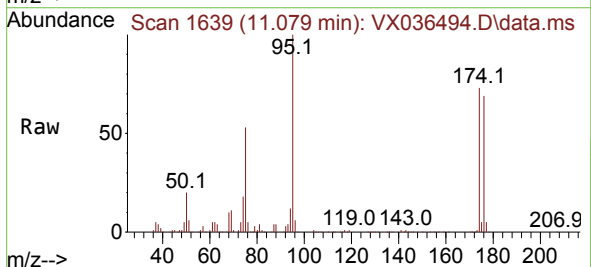
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

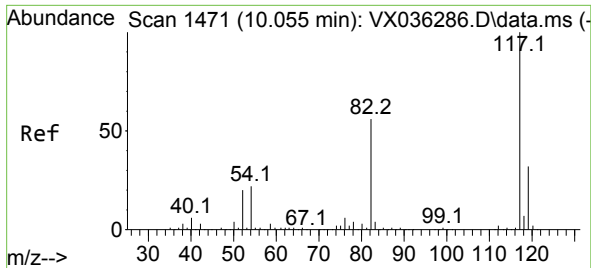
Tgt Ion: 43 Resp: 48385
Ion Ratio Lower Upper
43 100
58 20.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 95 Resp: 136964
Ion Ratio Lower Upper
95 100
174 77.2 0.0 135.6
176 73.7 0.0 131.0

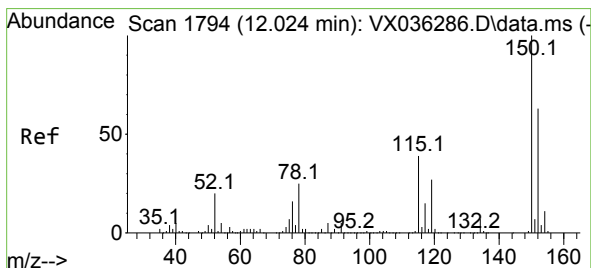
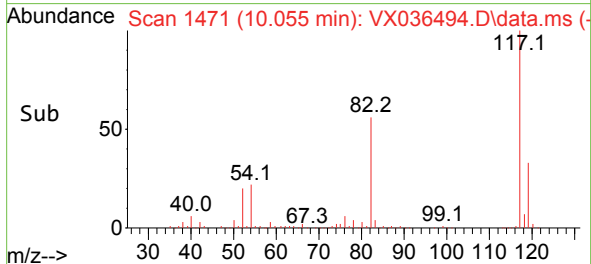
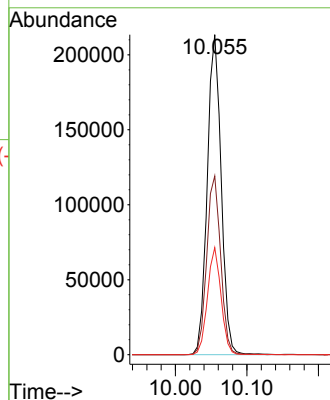
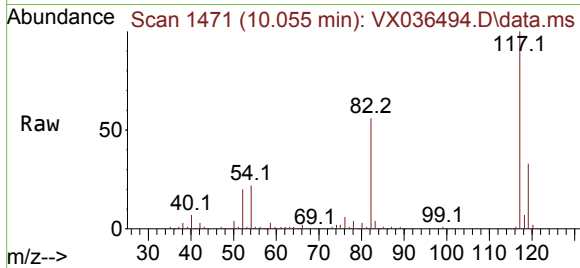




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

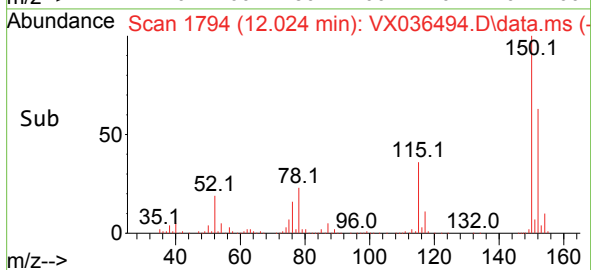
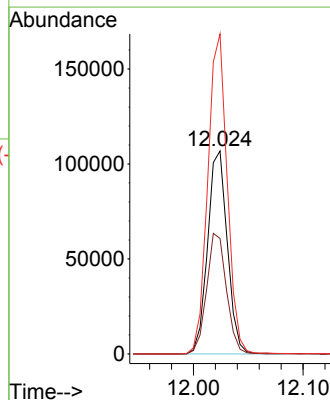
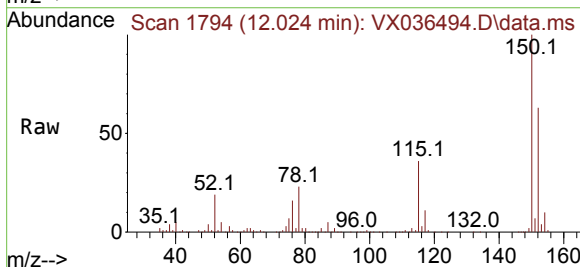
Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

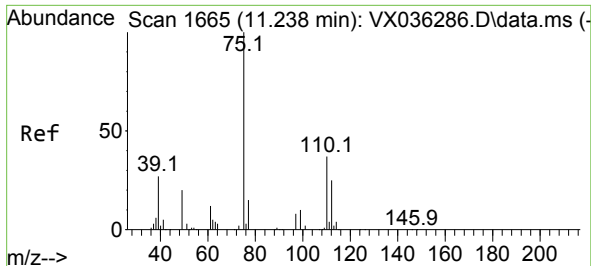
Tgt Ion:117 Resp: 288834
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 33.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion:152 Resp: 133549
Ion Ratio Lower Upper
152 100
115 59.7 43.3 129.9
150 155.2 0.0 345.0

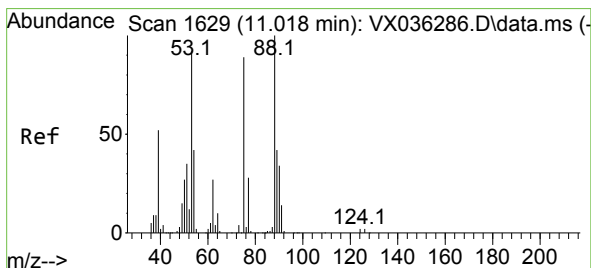
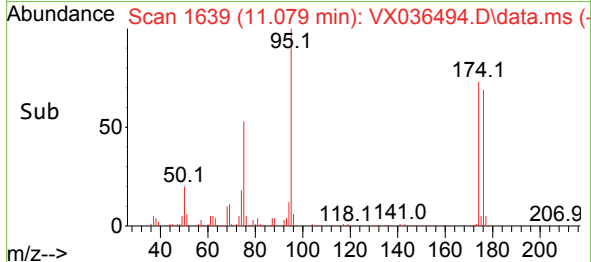
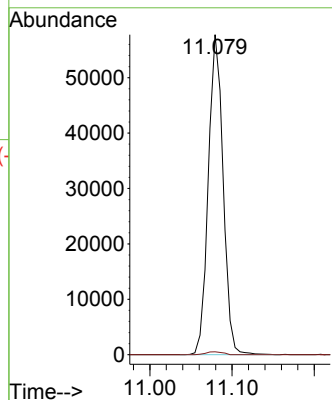
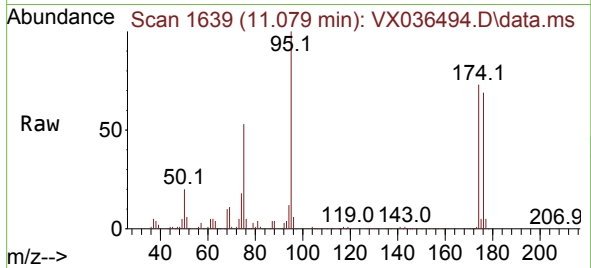




#76
1,2,3-Trichloropropane
Concen: 25.320 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Instrument :
MSVOA_X
ClientSampleId :
VNJ-240

Tgt Ion: 75 Resp: 72128
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036494.D
Acq: 10 Jul 2023 19:41

Tgt Ion: 75 Resp: 72128
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

