

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033873.D
 Acq On : 24 Jan 2023 17:30
 Operator : JC/MD
 Sample : 01266-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-219

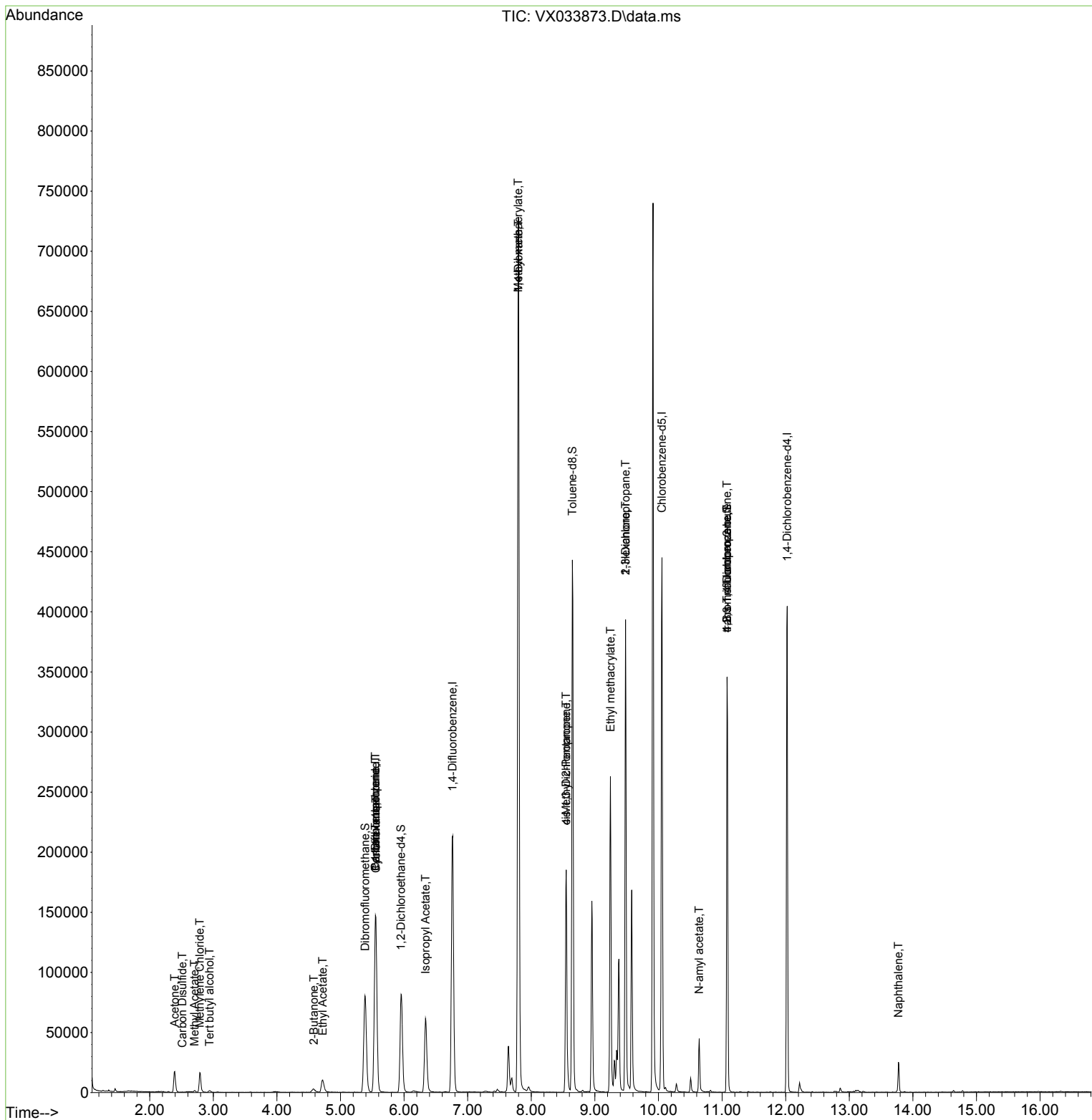
Quant Time: Jan 25 03:19:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

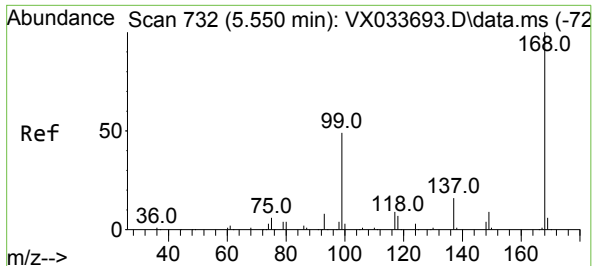
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	161293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77867	45.851	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.700%
35) Dibromofluoromethane	5.385	113	71814	48.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	8.647	98	268252	50.170	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.340%
62) 4-Bromofluorobenzene	11.079	95	89756	45.213	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1073	3.637	ug/l #	86
16) Acetone	2.392	43	22018	24.501	ug/l	96
17) Carbon Disulfide	2.514	76	169	1.871	ug/l #	76
18) Methyl Acetate	2.703	43	1782	0.752	ug/l #	90
20) Methylene Chloride	2.788	84	8045	3.098	ug/l	92
25) 2-Butanone	4.580	43	2769	2.495	ug/l	99
31) Cyclohexane	5.556	56	2396	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9458	4.416	ug/l #	49
37) Ethyl Acetate	4.721	43	18979	6.819	ug/l	98
38) Carbon Tetrachloride	5.550	117	13598	6.130	ug/l #	15
43) Isopropyl Acetate	6.336	43	86804	25.673	ug/l	100
48) Methyl methacrylate	7.793	41	62629	36.771	ug/l #	44
49) 1,4-Dioxane	7.799	88	87	2.309	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65802	31.689	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	31606	13.399	ug/l #	59
56) Ethyl methacrylate	9.244	69	476	0.212	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3487	1.348	ug/l #	43
59) 2-Hexanone	9.482	43	46893	32.446	ug/l #	51
73) Isopropylbenzene	10.963	105	46	Below Cal	#	48
74) N-amyl acetate	10.640	43	12257	4.963	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.079	83	19	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	41581	24.065	ug/l #	34
79) 2-Chlorotoluene	11.305	91	71	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41581	74.792	ug/l #	8
82) 4-Chlorotoluene	11.305	91	71	Below Cal	#	43
95) Naphthalene	13.774	128	16822	2.831	ug/l	100

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

Quant Time: Jan 25 03:19:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

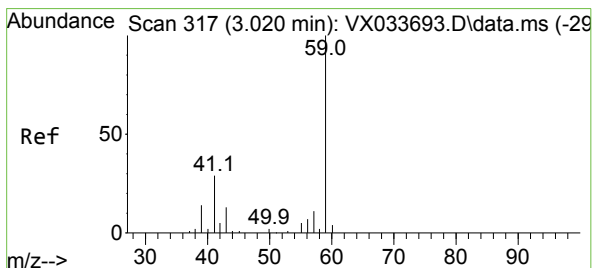
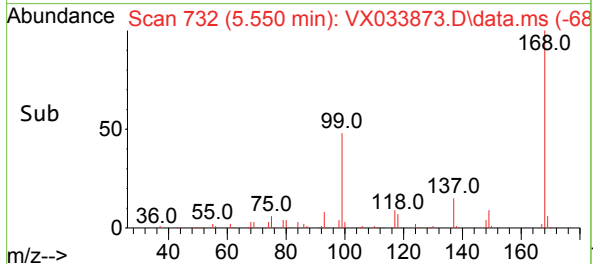
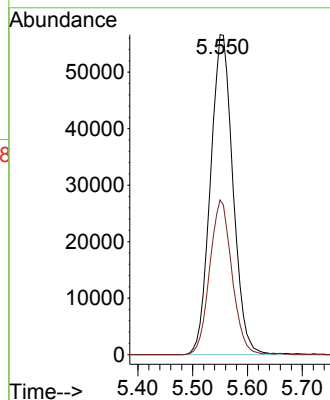
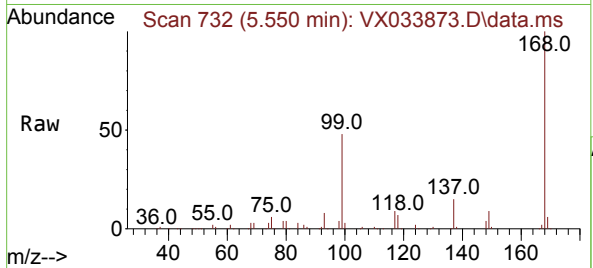




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

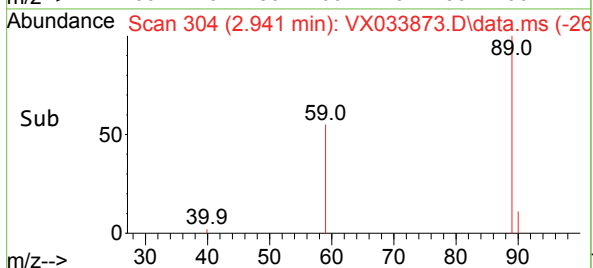
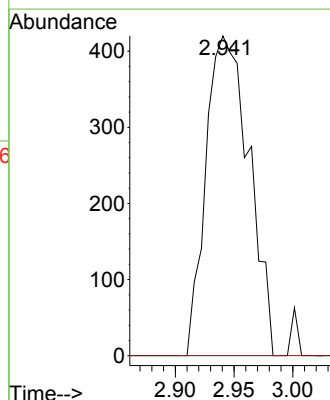
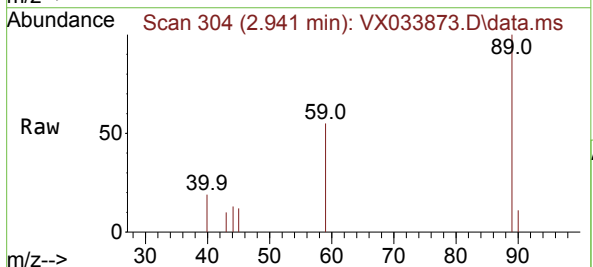
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

Tgt Ion:168 Resp: 161293
Ion Ratio Lower Upper
168 100
99 48.4 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.637 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 59 Resp: 1073
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

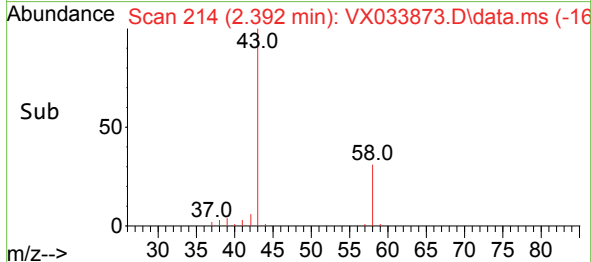
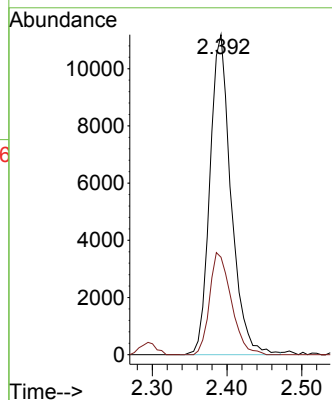
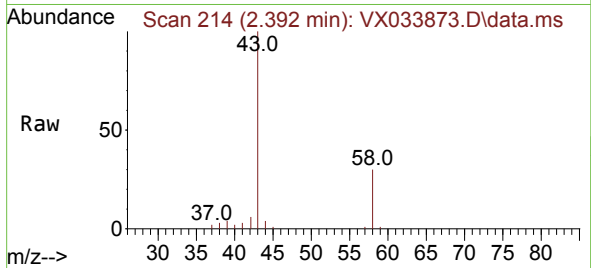




#16
Acetone
Concen: 24.501 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

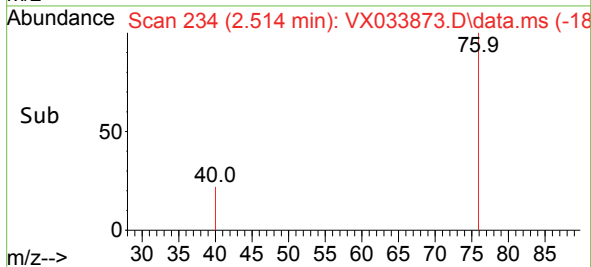
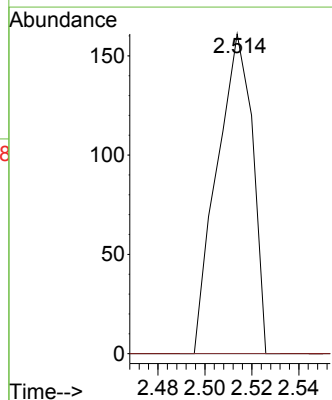
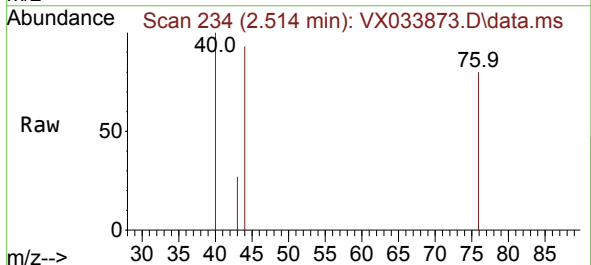
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

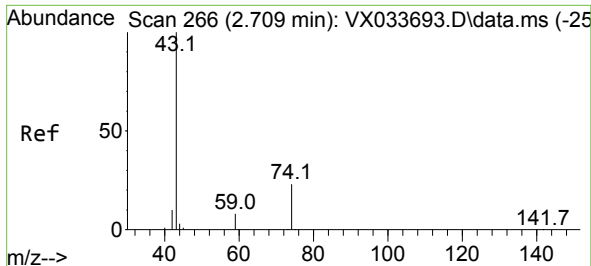
Tgt Ion: 43 Resp: 22018
Ion Ratio Lower Upper
43 100
58 30.4 22.6 33.8



#17
Carbon Disulfide
Concen: 1.871 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 76 Resp: 169
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.752 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

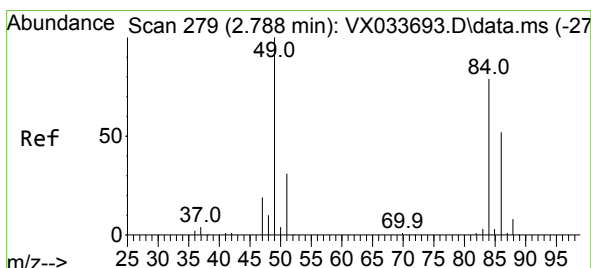
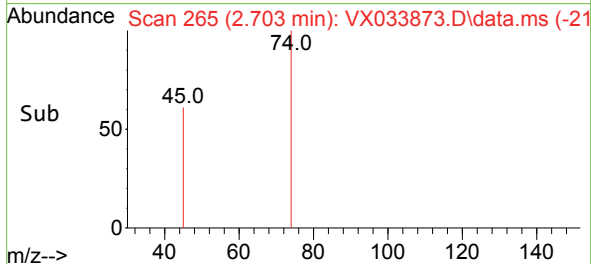
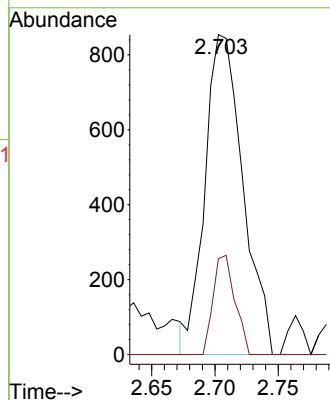
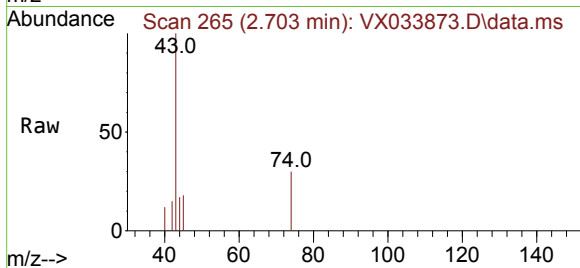
VNJ-219

Tgt Ion: 43 Resp: 1782

Ion Ratio Lower Upper

43 100

74 17.8 18.2 27.4#



#20

Methylene Chloride

Concen: 3.098 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Tgt Ion: 84 Resp: 8045

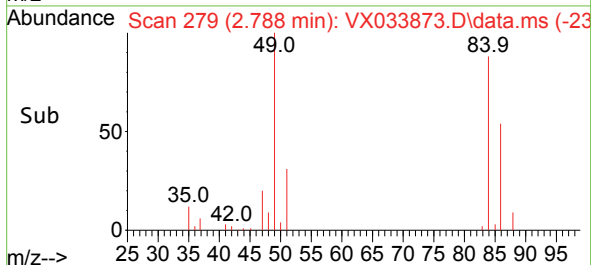
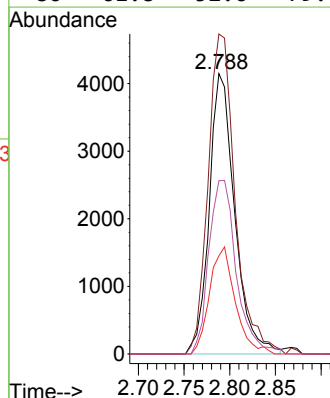
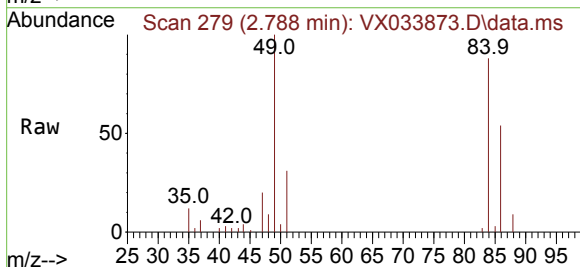
Ion Ratio Lower Upper

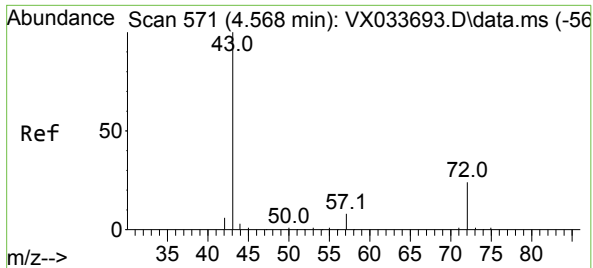
84 100

49 114.1 101.1 151.7

51 35.0 31.0 46.6

86 61.8 52.6 79.0

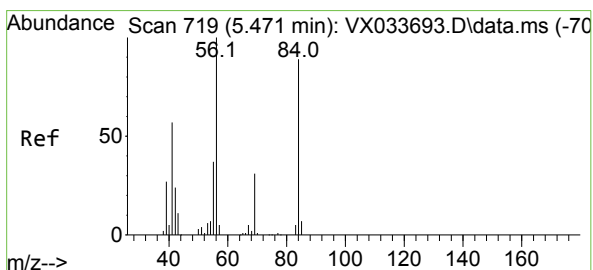
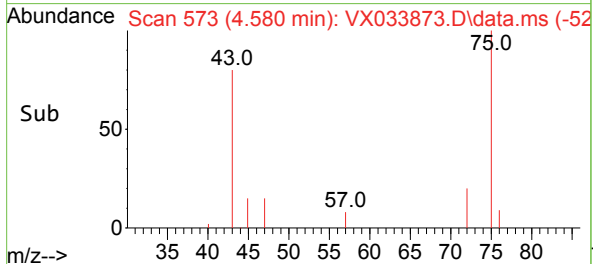
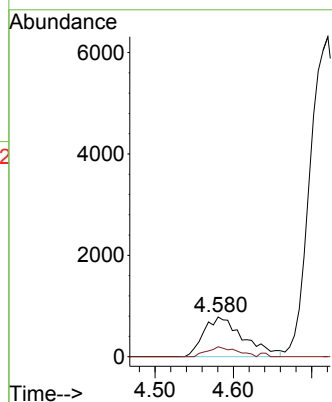
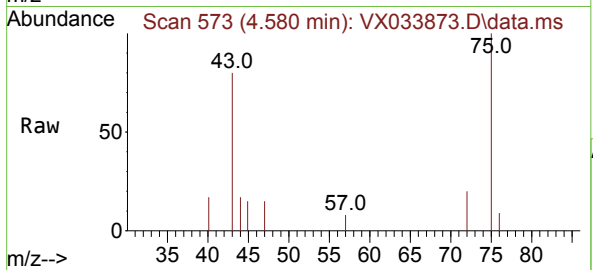




#25
2-Butanone
Concen: 2.495 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

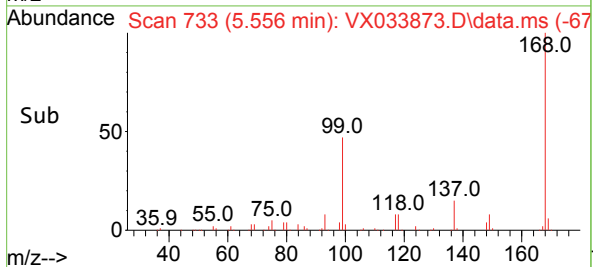
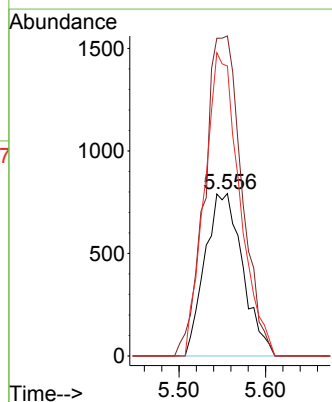
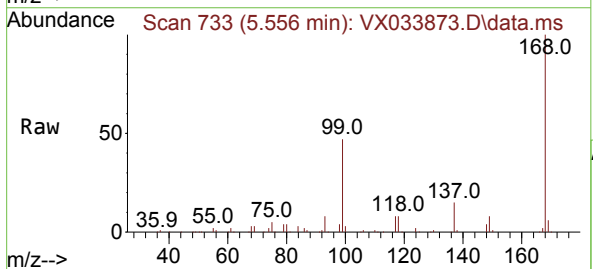
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

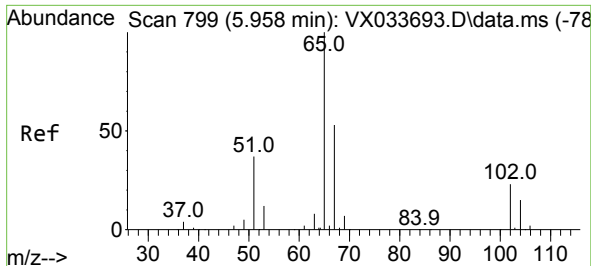
Tgt Ion: 43 Resp: 2769
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.2



#31
Cyclohexane
Concen: 0.959 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 56 Resp: 2396
Ion Ratio Lower Upper
56 100
69 197.1 24.6 37.0#
84 178.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.851 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

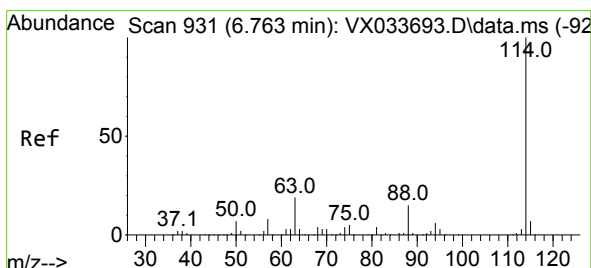
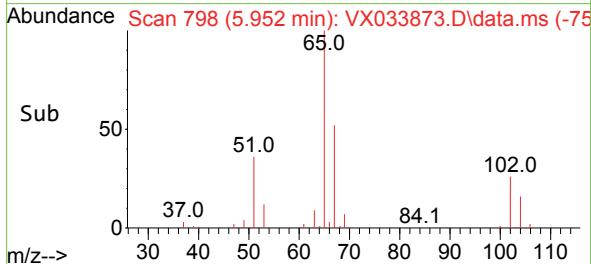
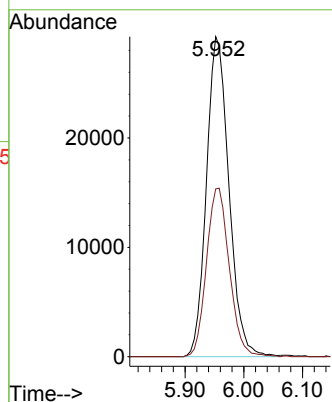
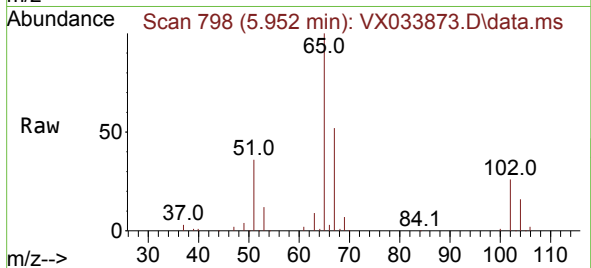
VNJ-219

Tgt Ion: 65 Resp: 77867

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

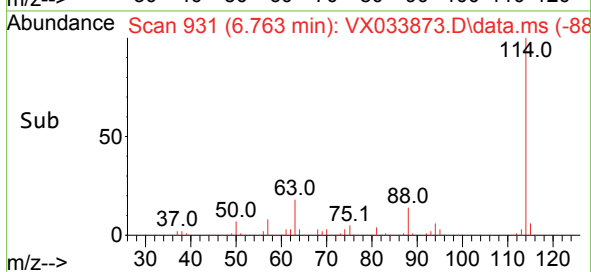
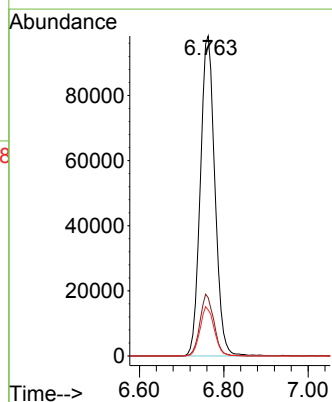
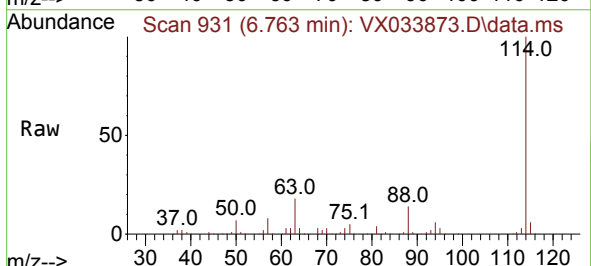
Tgt Ion: 114 Resp: 236331

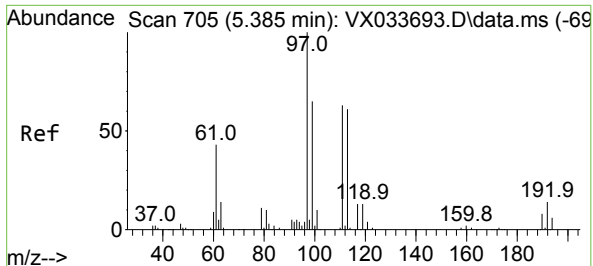
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.4

88 14.3 0.0 30.6

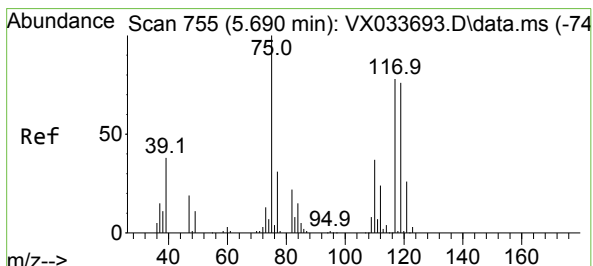
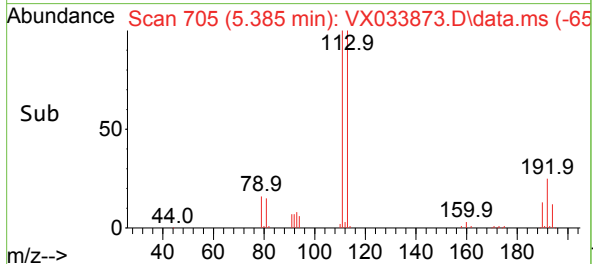
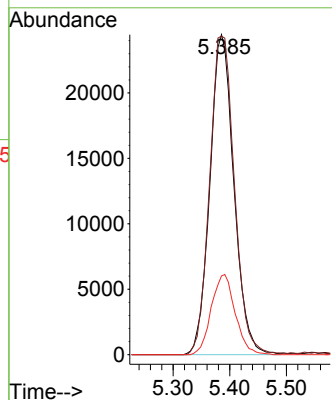
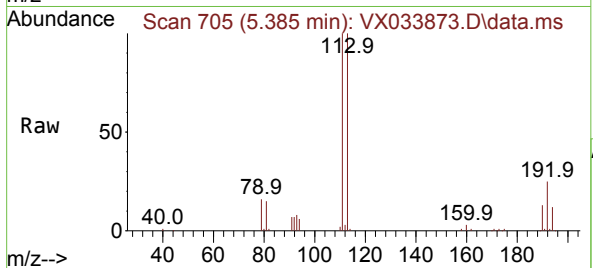




#35
Dibromofluoromethane
Concen: 48.937 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

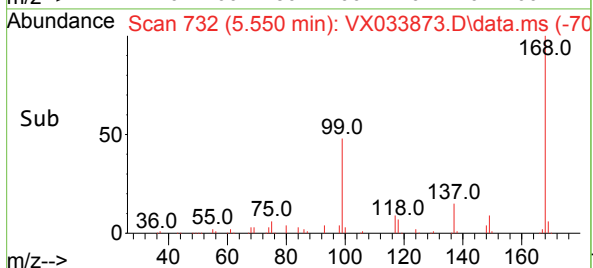
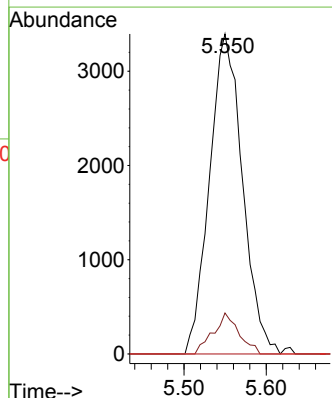
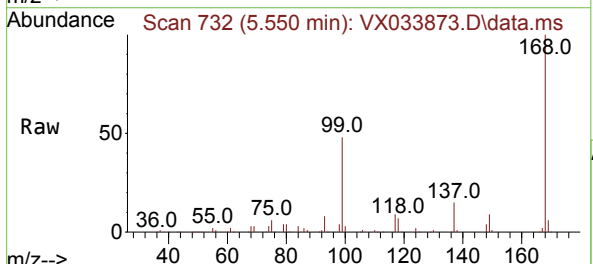
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VNJ-219

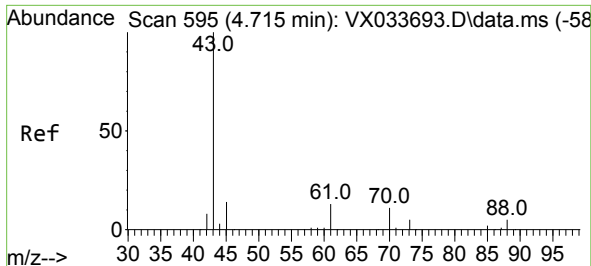
Tgt Ion:113 Resp: 71814
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.6
192 25.0 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 75 Resp: 9458
Ion Ratio Lower Upper
75 100
110 10.0 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 6.819 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

VNJ-219

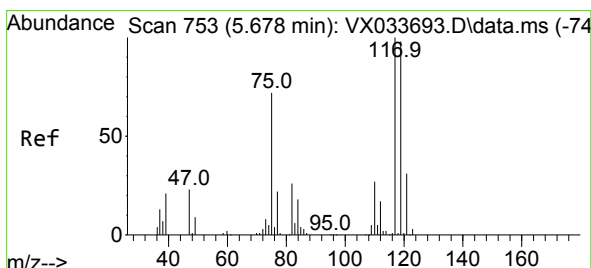
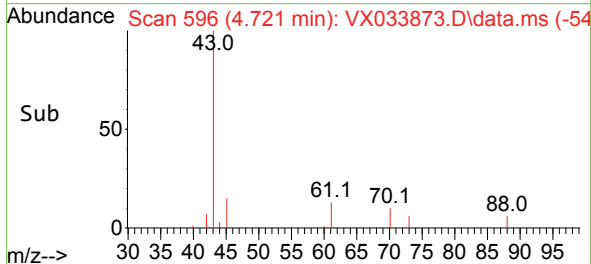
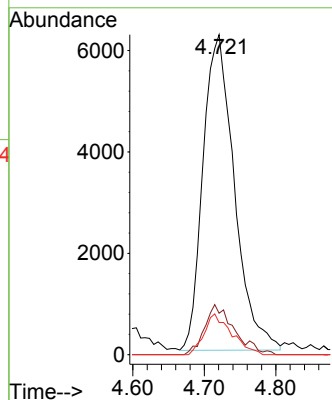
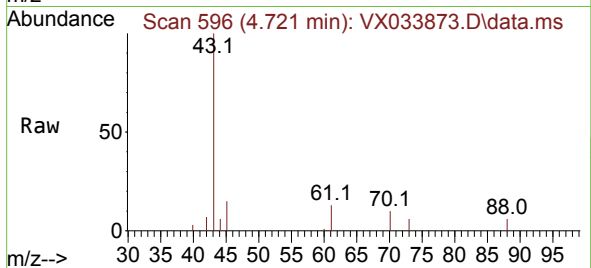
Tgt Ion: 43 Resp: 18979

Ion Ratio Lower Upper

43 100

61 15.0 11.1 16.7

70 11.3 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.130 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

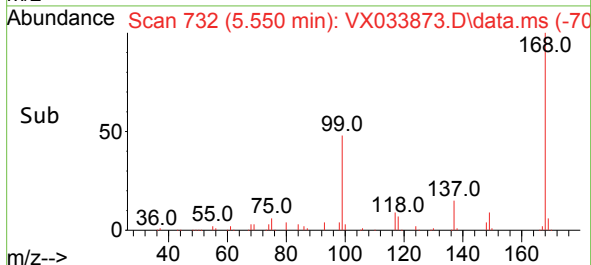
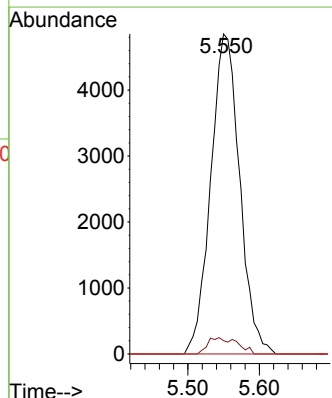
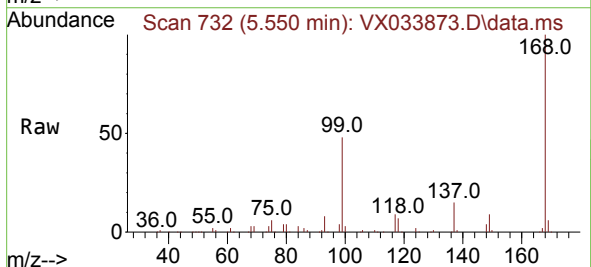
Tgt Ion: 117 Resp: 13598

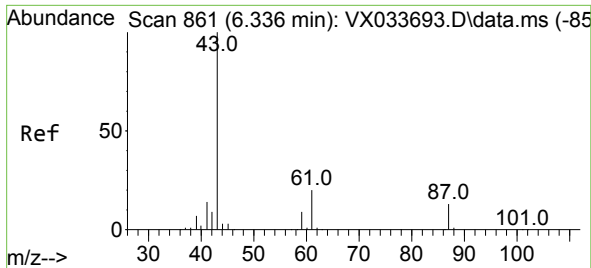
Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

121 0.0 24.4 36.6#

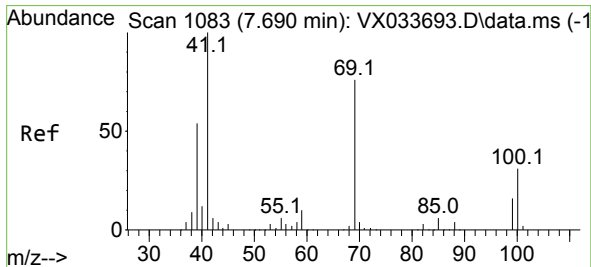
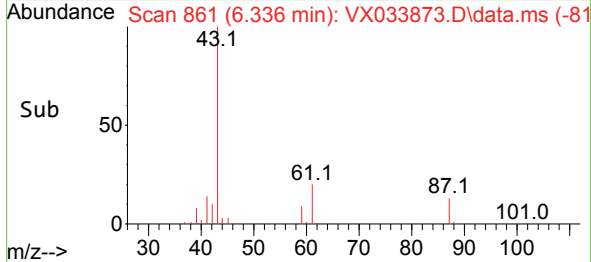
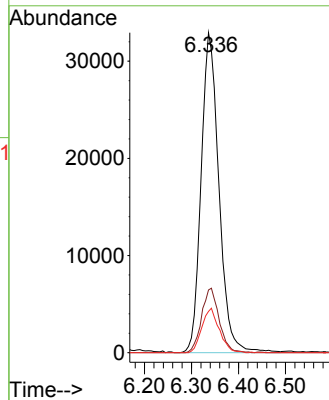
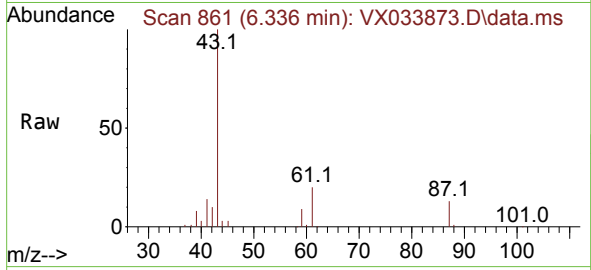




#43
Isopropyl Acetate
Concen: 25.673 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

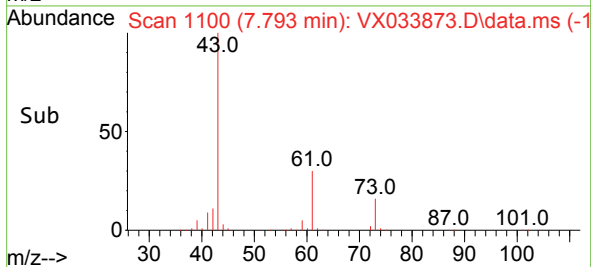
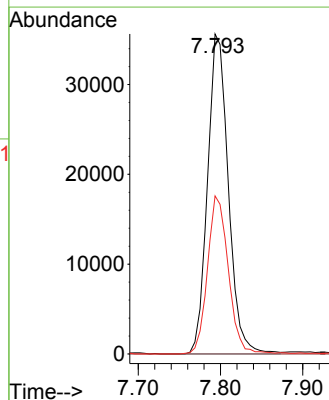
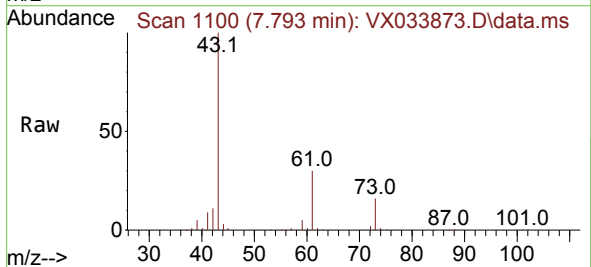
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

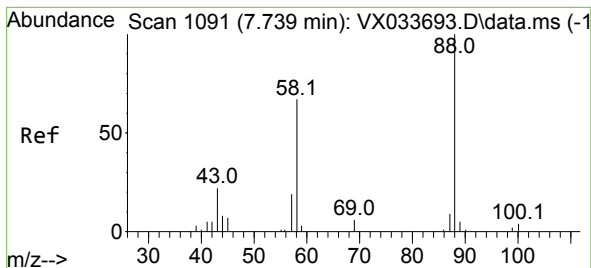
Tgt Ion: 43 Resp: 86804
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 13.5 10.6 15.8



#48
Methyl methacrylate
Concen: 36.771 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 41 Resp: 62629
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 49.4 43.2 64.8





#49

1,4-Dioxane

Concen: 2.309 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.061 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

VNJ-219

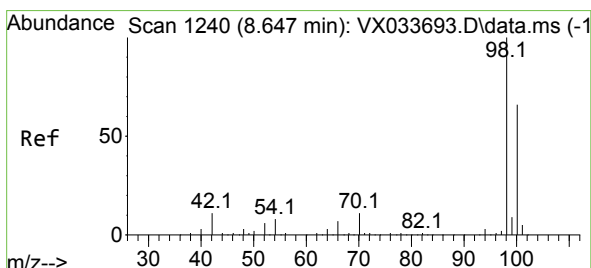
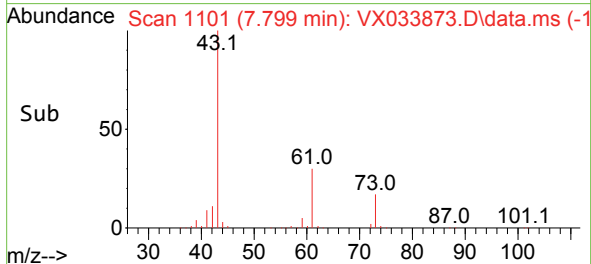
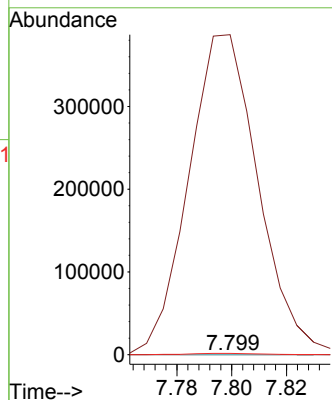
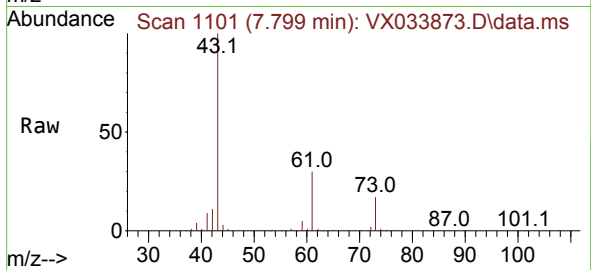
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 796408.0 0.0 0.0#

58 3329.9 56.5 84.7#



#50

Toluene-d8

Concen: 50.170 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033873.D

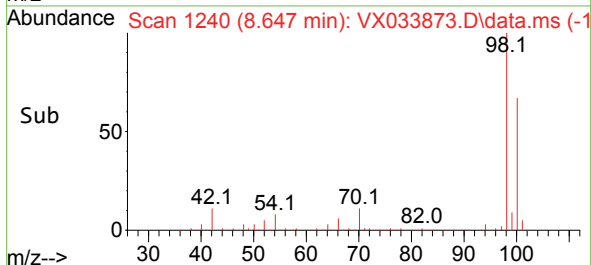
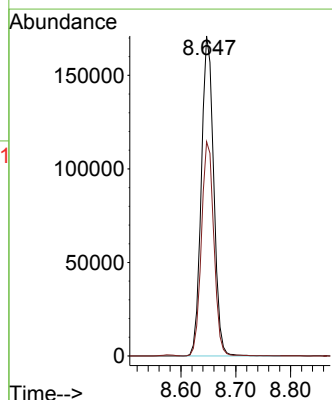
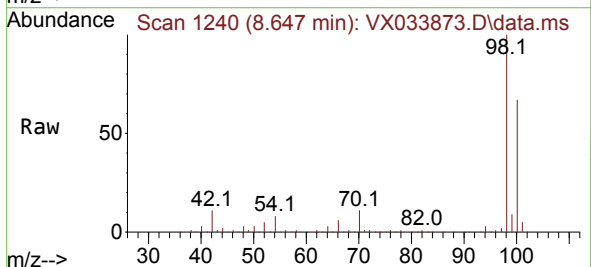
Acq: 24 Jan 2023 17:30

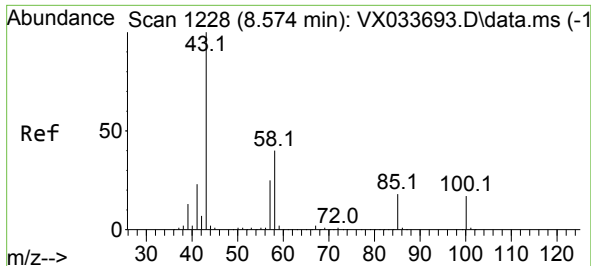
Tgt Ion: 98 Resp: 268252

Ion Ratio Lower Upper

98 100

100 67.5 53.6 80.4

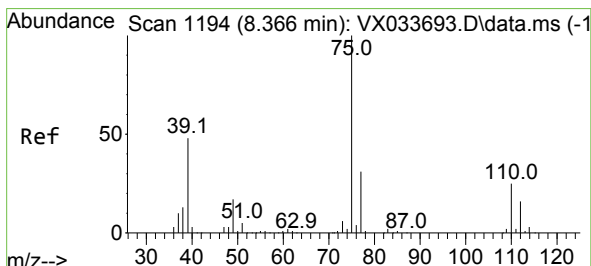
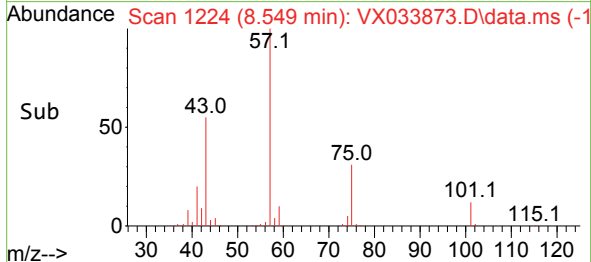
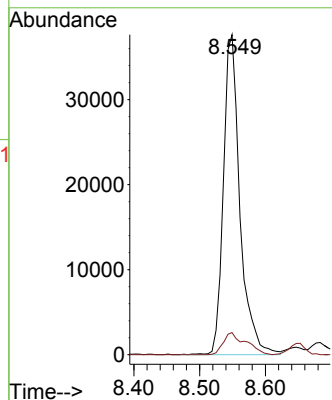
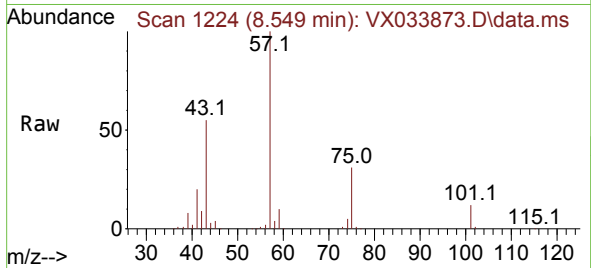




#51
4-Methyl-2-Pentanone
Concen: 31.689 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

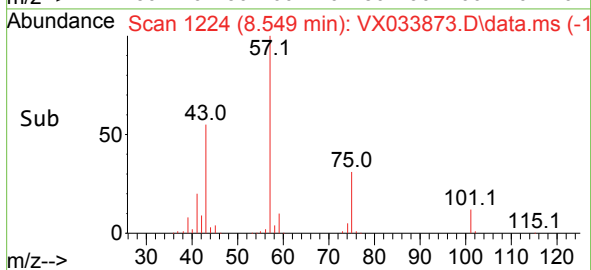
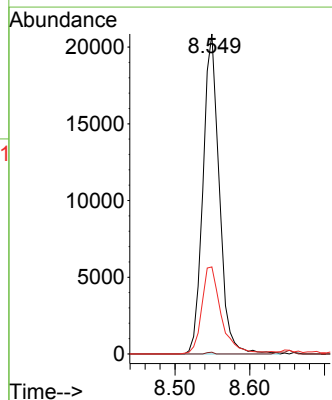
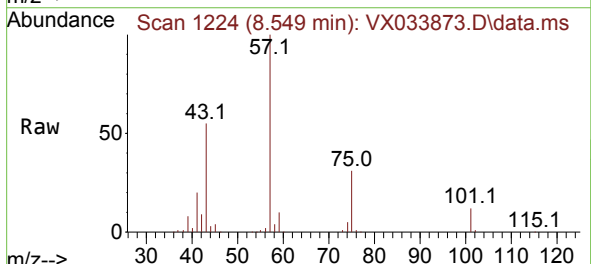
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

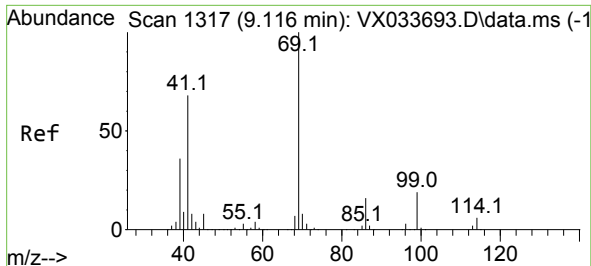
Tgt Ion: 43 Resp: 65802
Ion Ratio Lower Upper
43 100
58 9.4 31.2 46.8#



#54
cis-1,3-Dichloropropene
Concen: 13.399 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 75 Resp: 31606
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 27.2 38.6 58.0#

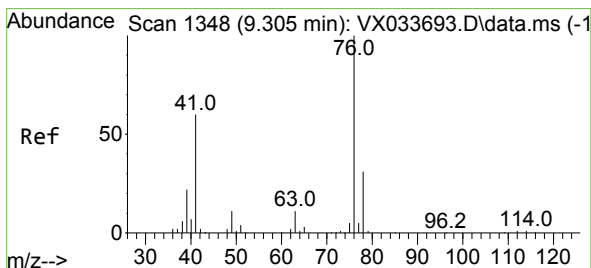
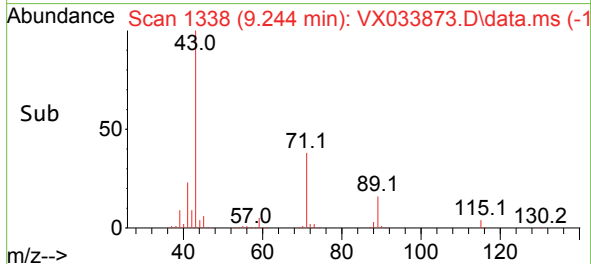
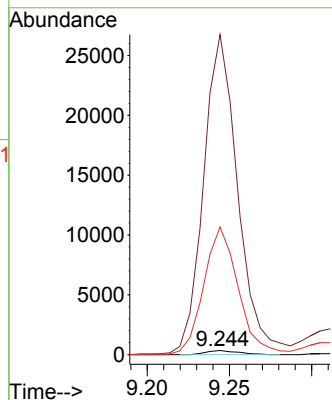
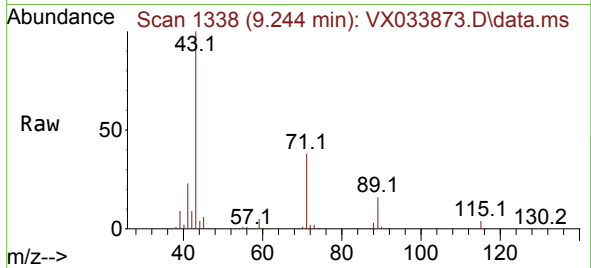




#56
Ethyl methacrylate
Concen: 0.212 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

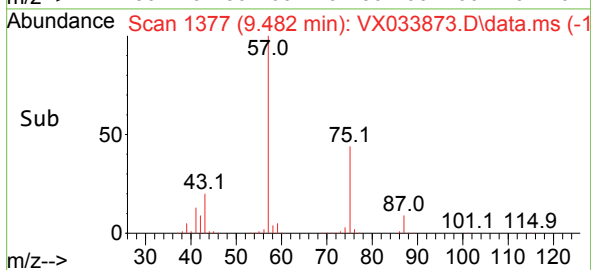
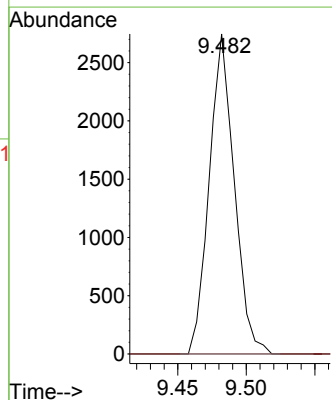
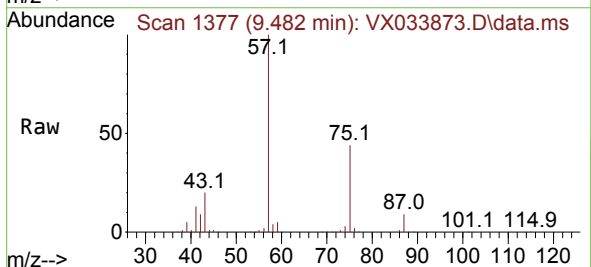
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

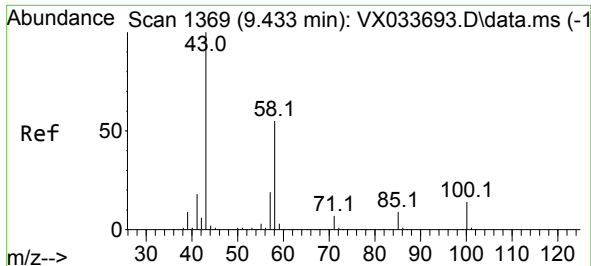
Tgt Ion: 69 Resp: 476
Ion Ratio Lower Upper
69 100
41 8196.0 55.1 82.7#
39 3281.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.348 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 76 Resp: 3487
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

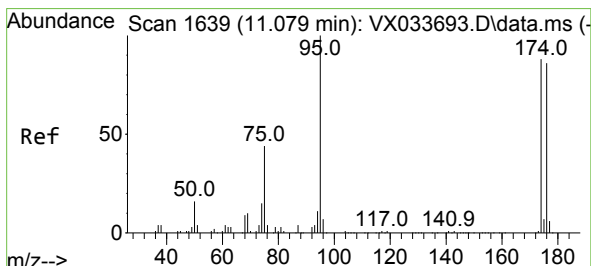
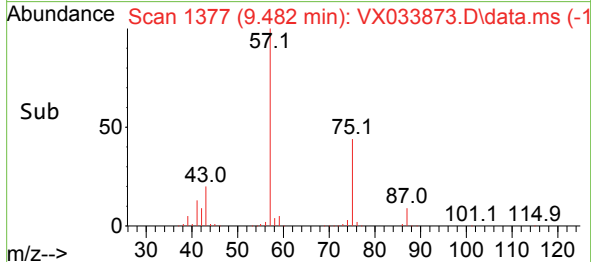
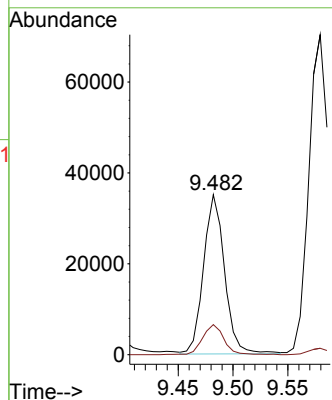
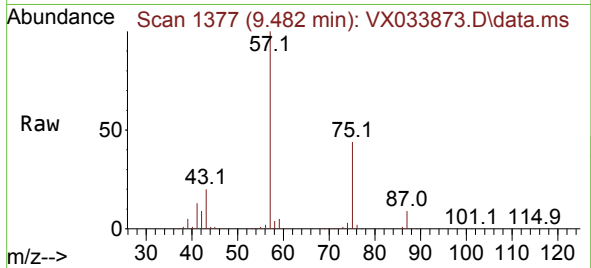




#59
2-Hexanone
Concen: 32.446 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

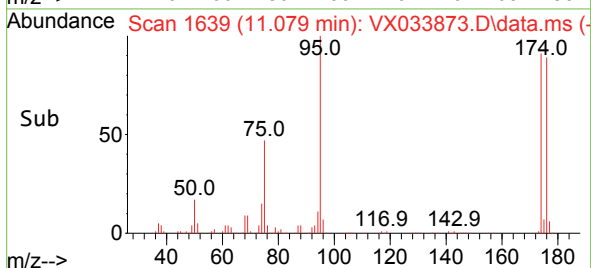
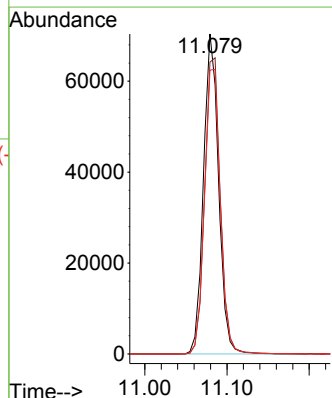
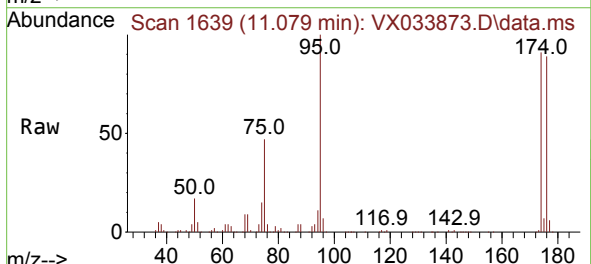
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

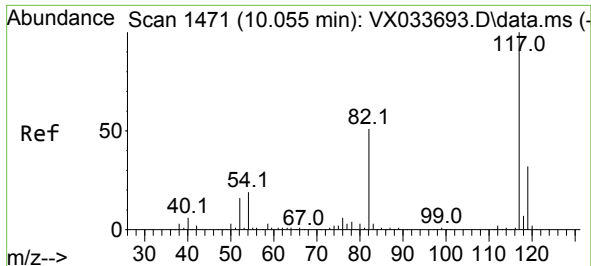
Tgt Ion: 43 Resp: 46893
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 45.213 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 95 Resp: 89756
Ion Ratio Lower Upper
95 100
174 95.9 0.0 184.4
176 93.7 0.0 178.8

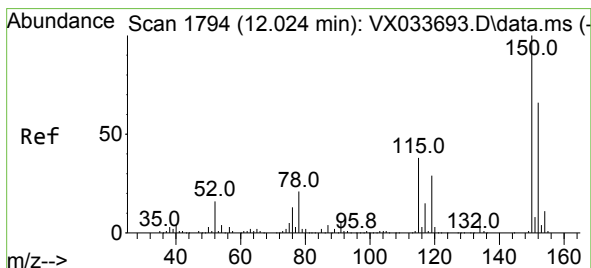
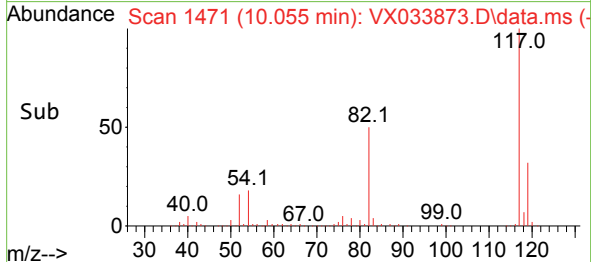
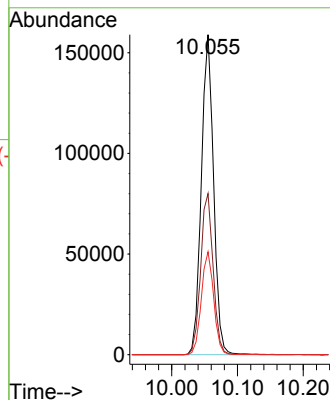
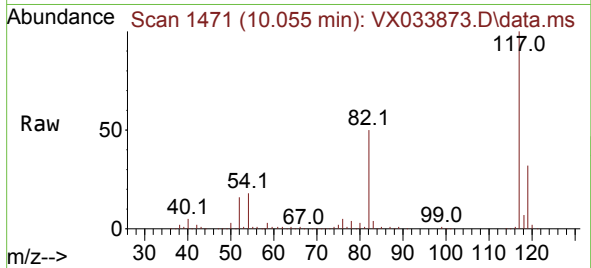




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

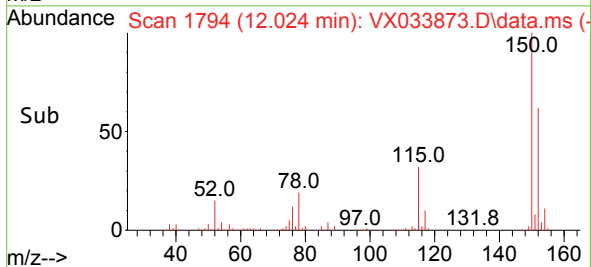
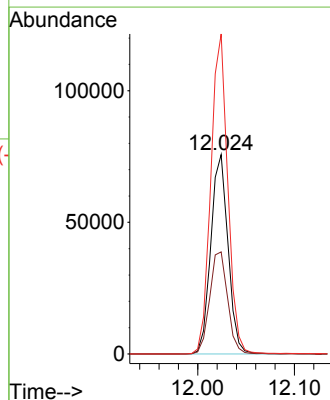
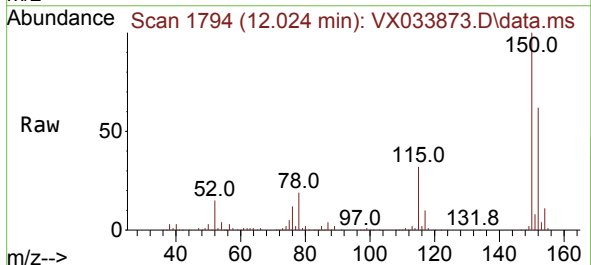
Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

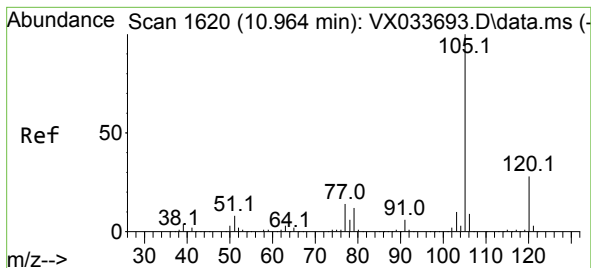
Tgt Ion:117 Resp: 205706
Ion Ratio Lower Upper
117 100
82 50.4 40.6 60.8
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion:152 Resp: 94040
Ion Ratio Lower Upper
152 100
115 53.3 38.7 116.1
150 157.4 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 10.963 min Scan# 1

Delta R.T. -0.001 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

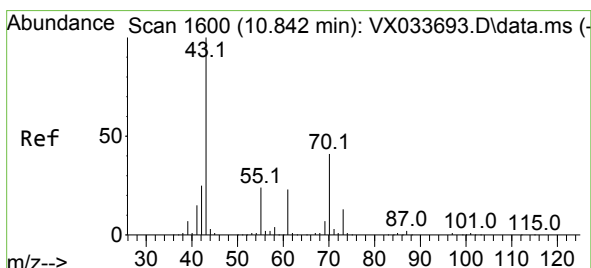
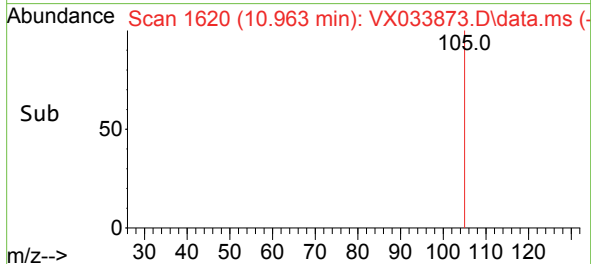
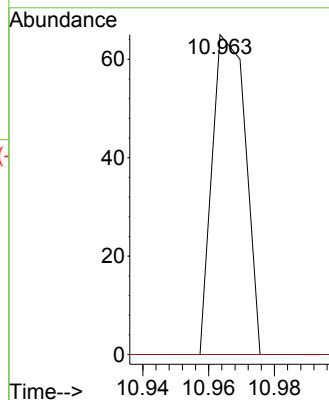
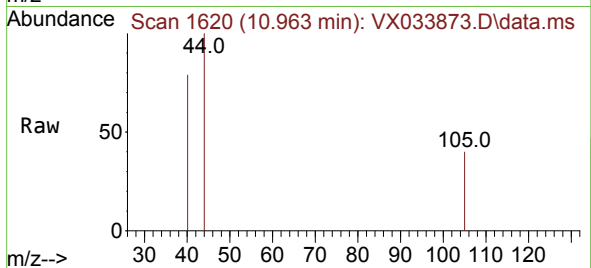
VNJ-219

Tgt Ion:105 Resp: 46

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 4.963 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Tgt Ion: 43 Resp: 12257

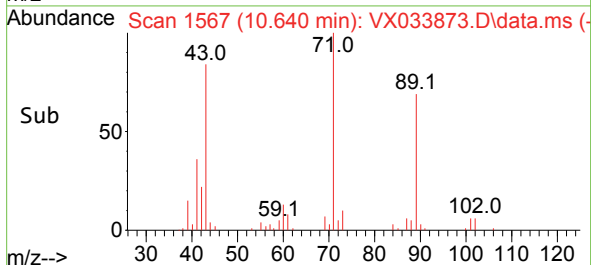
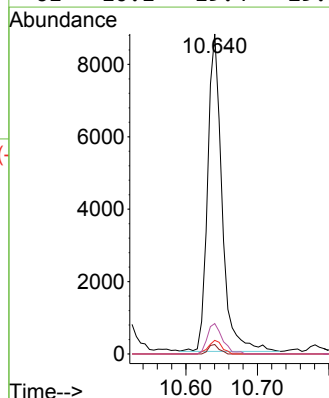
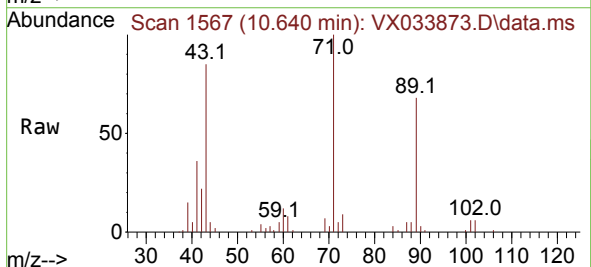
Ion Ratio Lower Upper

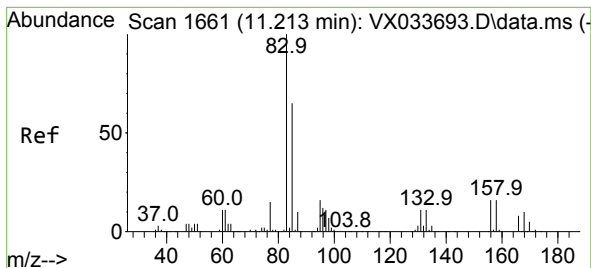
43 100

70 2.2 34.8 52.2#

55 4.1 19.4 29.0#

61 10.1 19.4 29.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. -0.134 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

VNJ-219

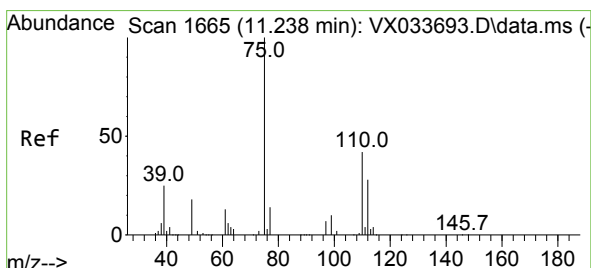
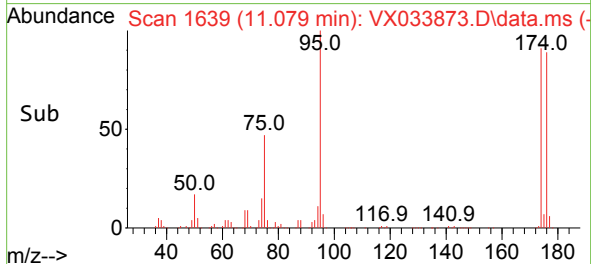
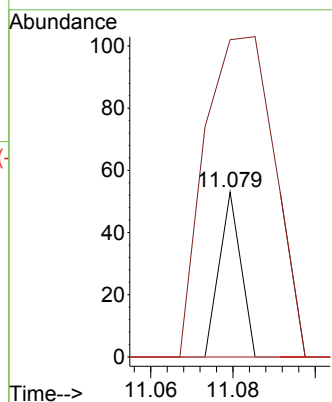
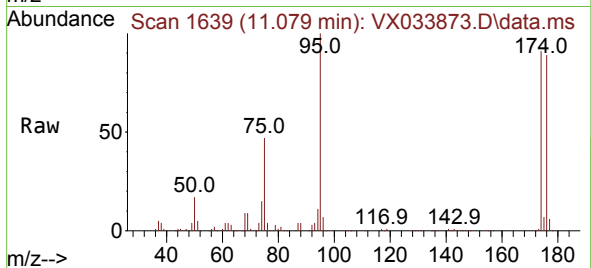
Tgt Ion: 83 Resp: 19

Ion Ratio Lower Upper

83 100

131 636.8 5.5 16.7#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 24.065 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033873.D

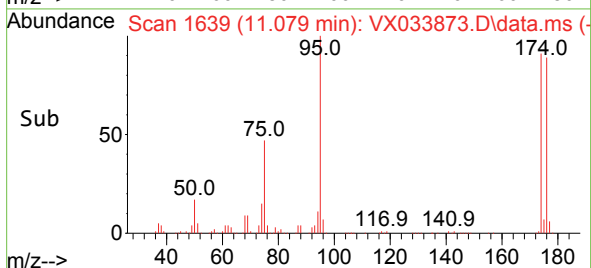
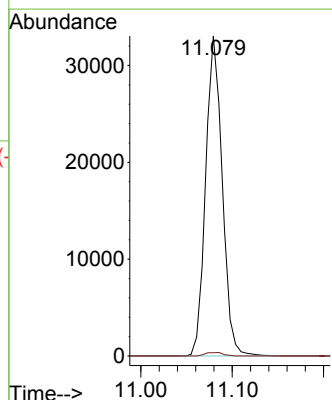
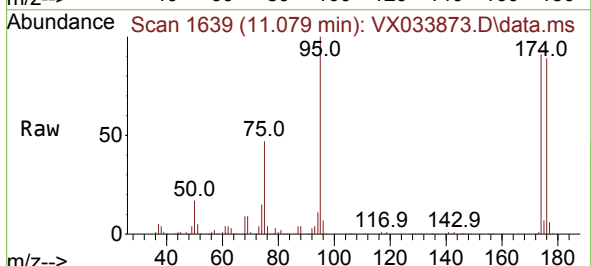
Acq: 24 Jan 2023 17:30

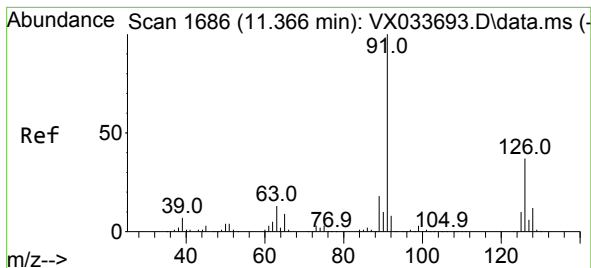
Tgt Ion: 75 Resp: 41581

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.305 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

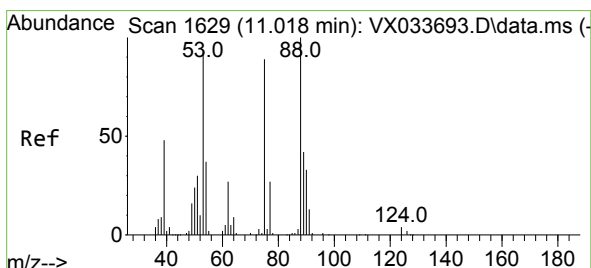
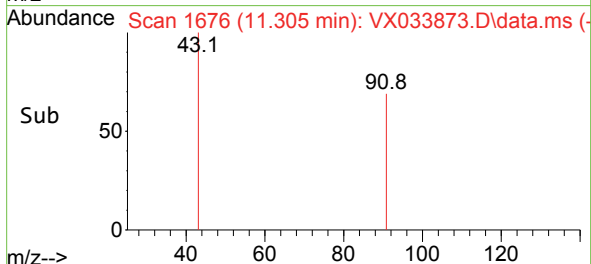
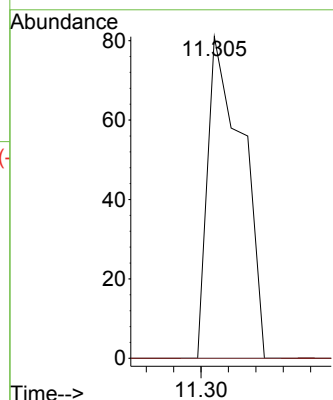
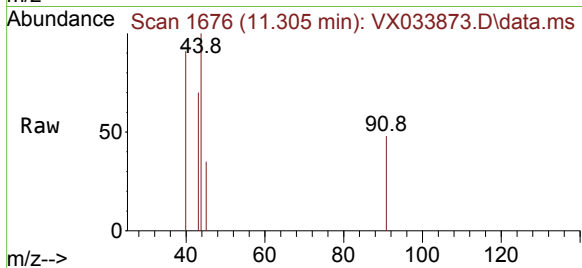
VNJ-219

Tgt Ion: 91 Resp: 71

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.792 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033873.D

Acq: 24 Jan 2023 17:30

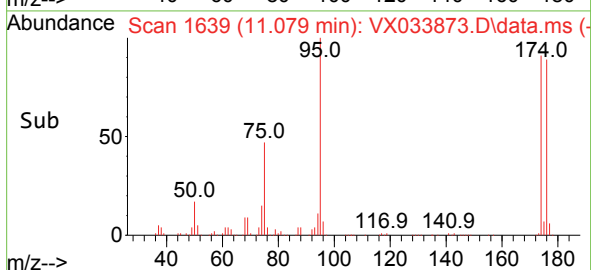
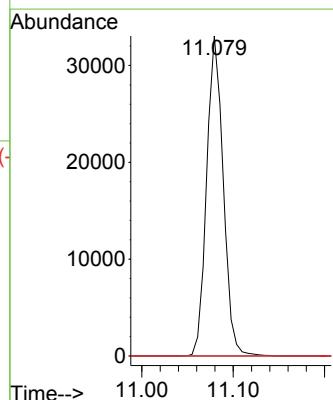
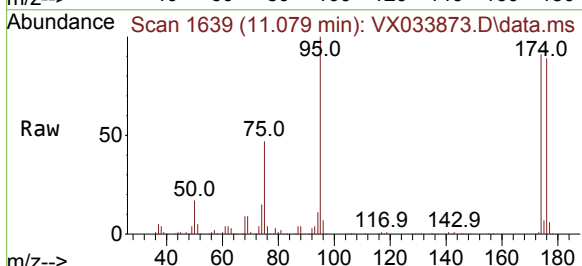
Tgt Ion: 75 Resp: 41581

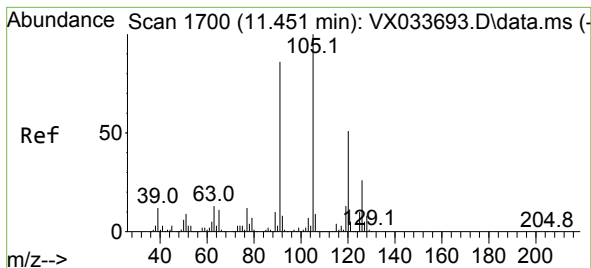
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#

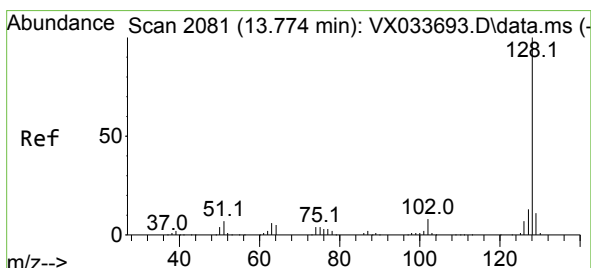
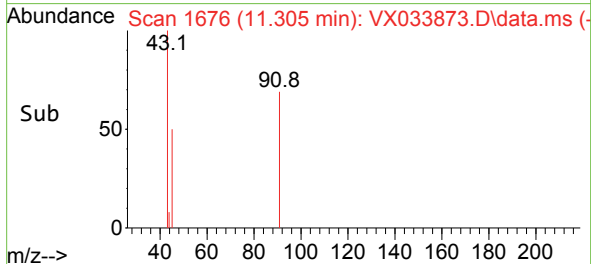
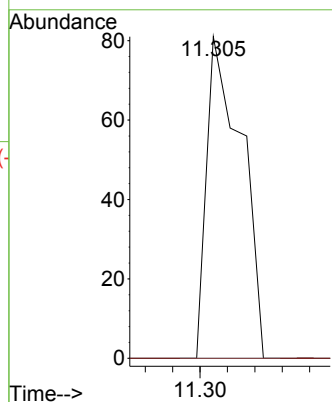
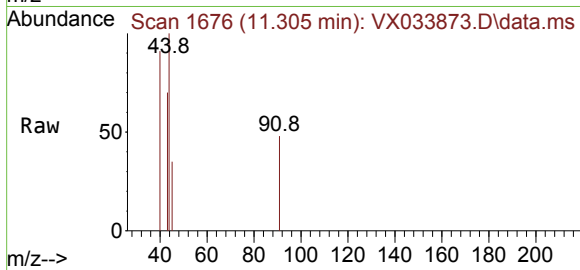




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1
Delta R.T. -0.146 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :
VNJ-219

Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#



#95
Naphthalene
Concen: 2.831 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX033873.D
Acq: 24 Jan 2023 17:30

Tgt Ion: 128 Resp: 16822
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1

