

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033531.D
 Acq On : 21 Dec 2022 13:34
 Operator : JC/MD
 Sample : N6151-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FS-01-(0-2)

Quant Time: Dec 22 03:57:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	153415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240977	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42933	43.622	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.240%
35) Dibromofluoromethane	5.391	113	53910	49.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.480%
50) Toluene-d8	8.647	98	109490	48.289	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.580%
62) 4-Bromofluorobenzene	11.079	95	86284	49.769	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	594	1.974	ug/l #	72
16) Acetone	2.386	43	9433	12.952	ug/l	97
18) Methyl Acetate	2.709	43	1076	0.510	ug/l	95
20) Methylene Chloride	2.788	84	6599	4.063	ug/l #	89
25) 2-Butanone	4.599	43	787	0.753	ug/l	95
31) Cyclohexane	5.556	56	2587	1.106	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10442	4.941	ug/l #	50
37) Ethyl Acetate	4.715	43	14225	7.121	ug/l	99
38) Carbon Tetrachloride	5.550	117	15168	6.406	ug/l #	14
43) Isopropyl Acetate	6.342	43	60491	18.821	ug/l	95
48) Methyl methacrylate	7.799	41	42130	25.398	ug/l #	40
49) 1,4-Dioxane	7.787	88	24	0.634	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	47010	23.129	ug/l #	50
52) Toluene	8.720	92	2653	0.666	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	264	2.605	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25166	10.107	ug/l #	52
56) Ethyl methacrylate	9.250	69	529	0.224	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2174	0.808	ug/l #	42
59) 2-Hexanone	9.482	43	29308	19.567	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	41444	20.245	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41444	62.976	ug/l #	6

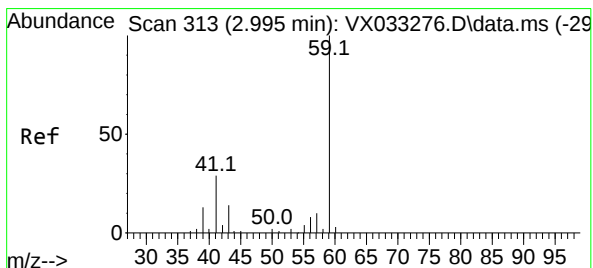
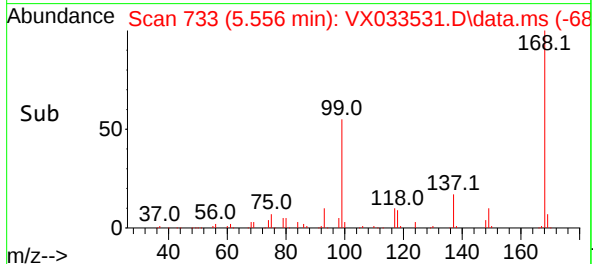
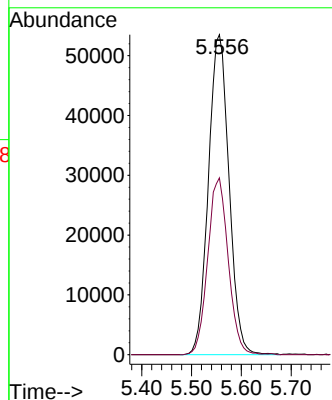
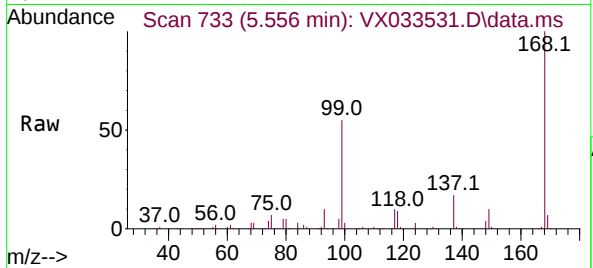
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

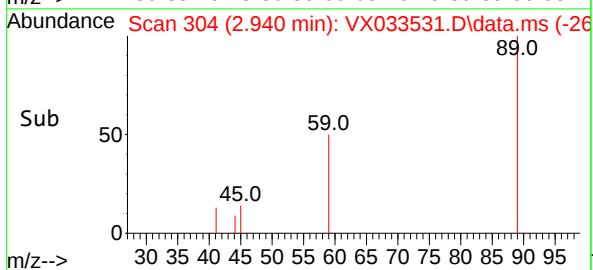
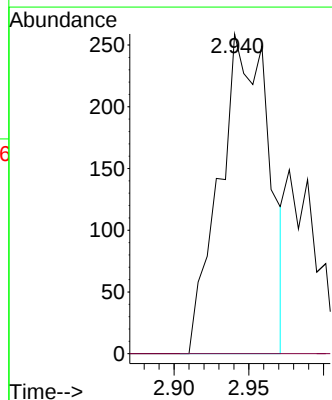
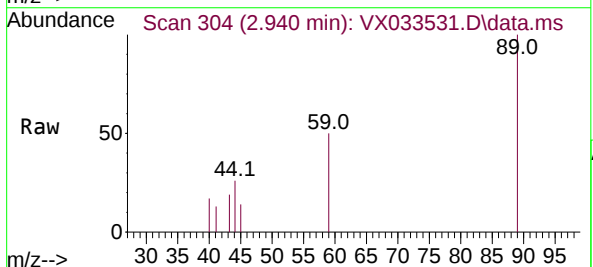
Instrument :
MSVOA_X
ClientSampleId :
FS-01-(0-2)

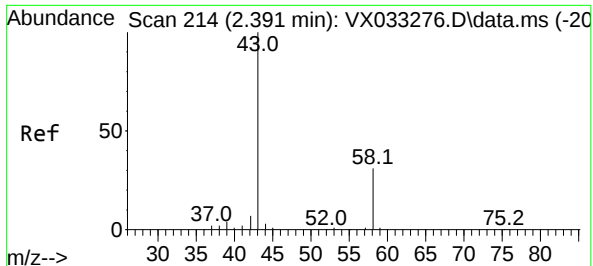
Tgt Ion:168 Resp: 153415
Ion Ratio Lower Upper
168 100
99 55.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 1.974 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 59 Resp: 594
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

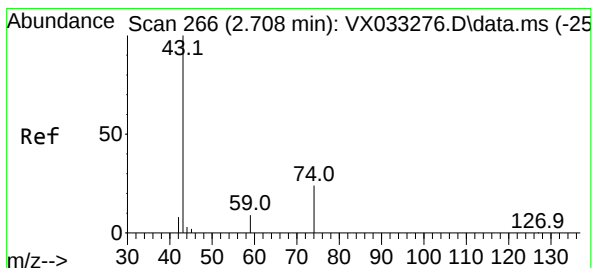
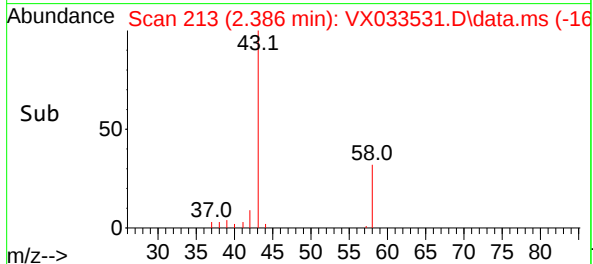
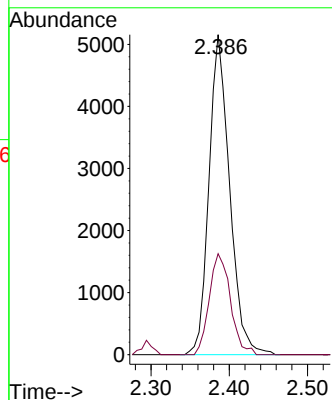
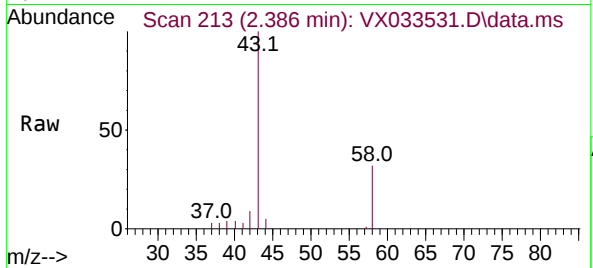




#16
Acetone
Concen: 12.952 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

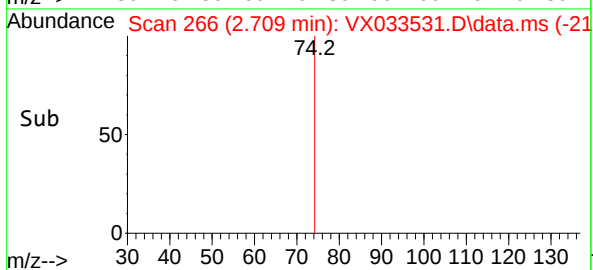
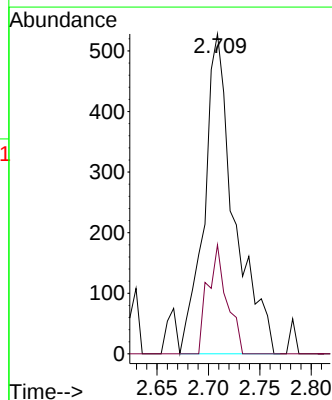
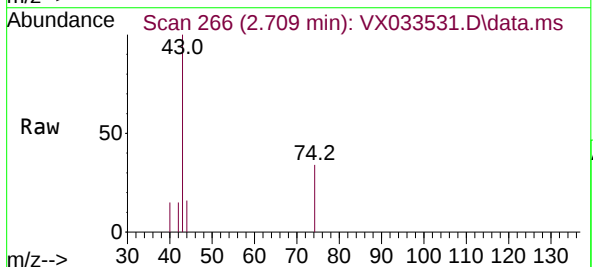
Instrument :
MSVOA_X
ClientSampleId :
FS-01-(0-2)

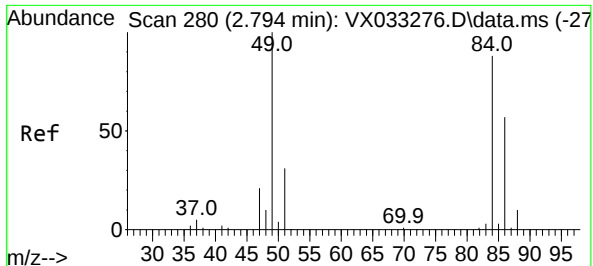
Tgt Ion: 43 Resp: 9433
Ion Ratio Lower Upper
43 100
58 31.6 23.8 35.8



#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.0





#20

Methylene Chloride

Concen: 4.063 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX033531.D

Acq: 21 Dec 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

FS-01-(0-2)

Tgt Ion: 84 Resp: 6599

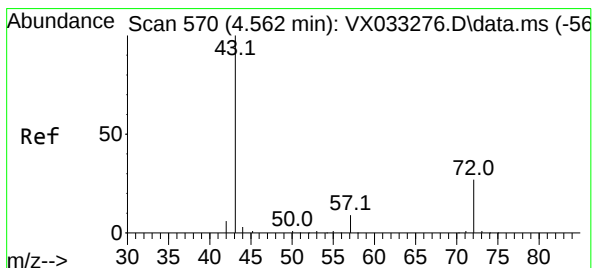
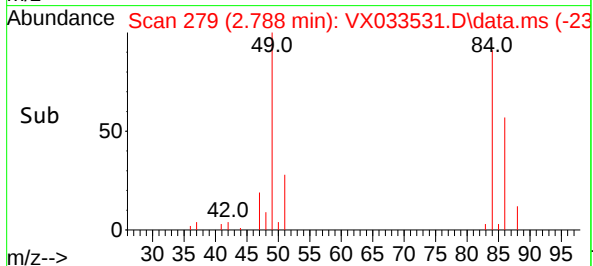
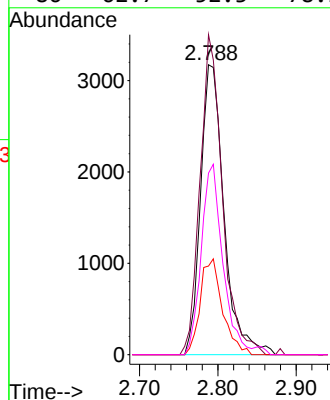
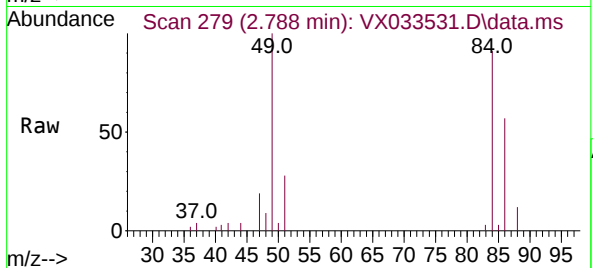
Ion Ratio Lower Upper

84 100

49 110.4 101.0 151.6

51 30.6 31.1 46.7#

86 62.7 52.3 78.5



#25

2-Butanone

Concen: 0.753 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.037 min

Lab File: VX033531.D

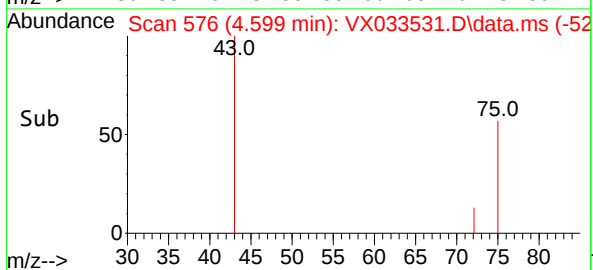
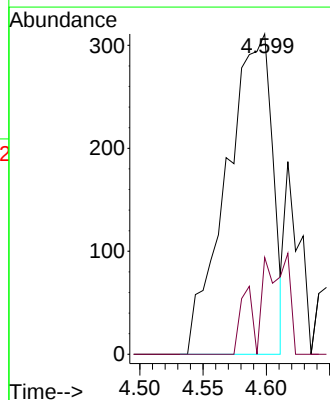
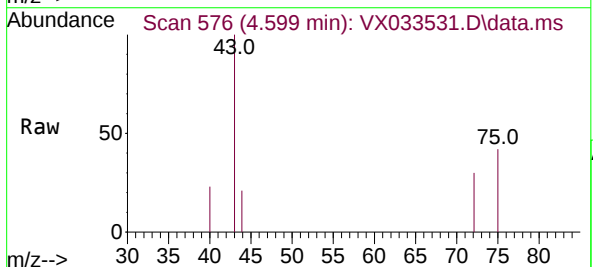
Acq: 21 Dec 2022 13:34

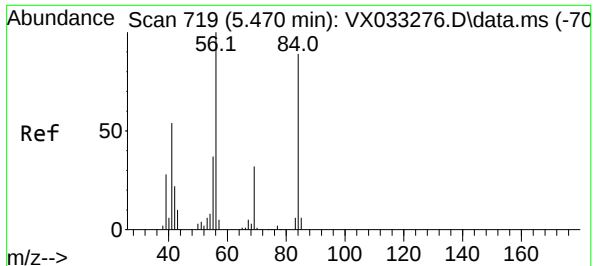
Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

72 30.2 22.2 33.2





#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

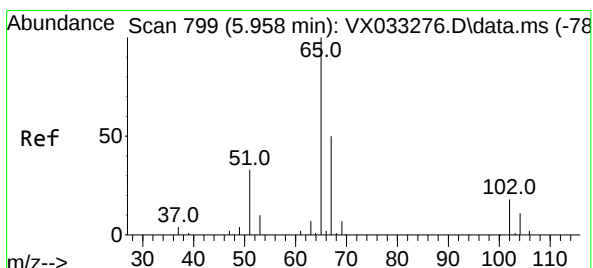
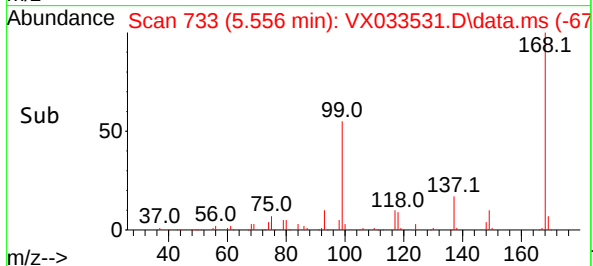
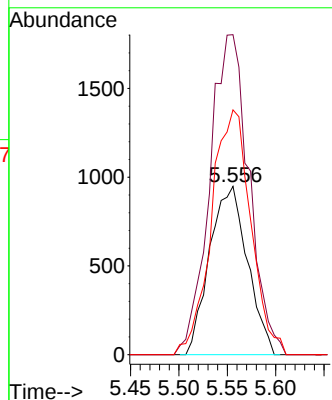
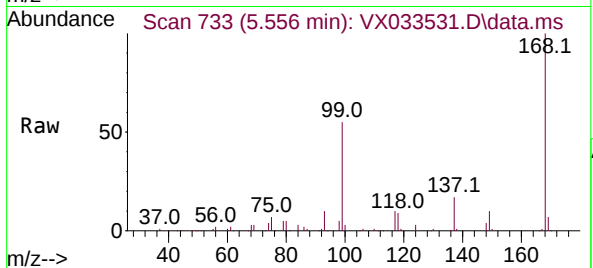
Instrument :

MSVOA_X

ClientSampleId :

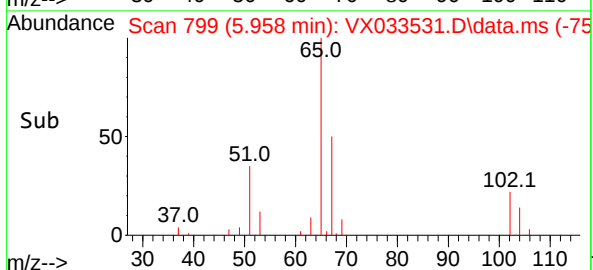
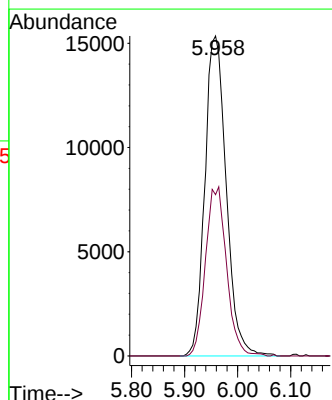
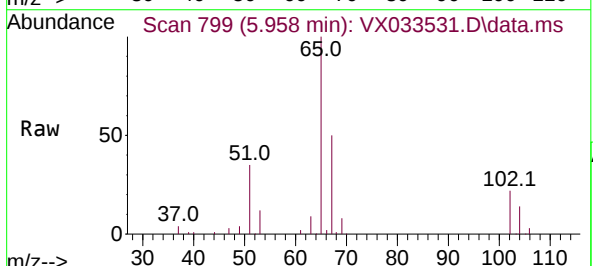
FS-01-(0-2)

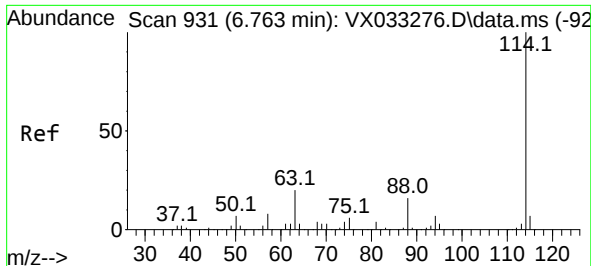
Tgt Ion: 56 Resp: 2587
Ion Ratio Lower Upper
56 100
69 184.8 24.1 36.1#
84 139.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 43.622 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 65 Resp: 42933
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8

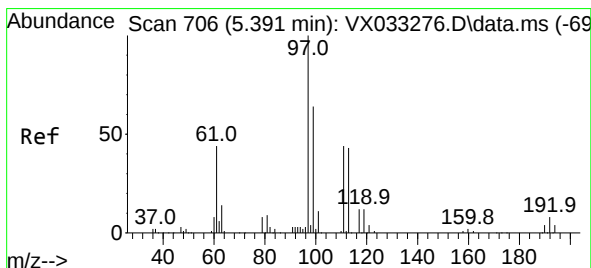
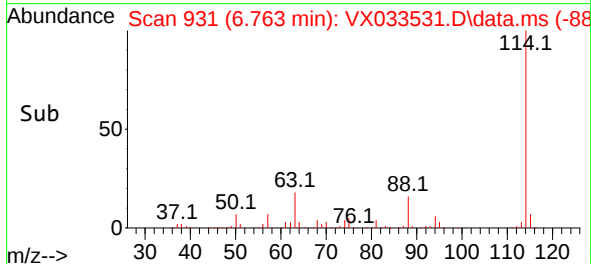
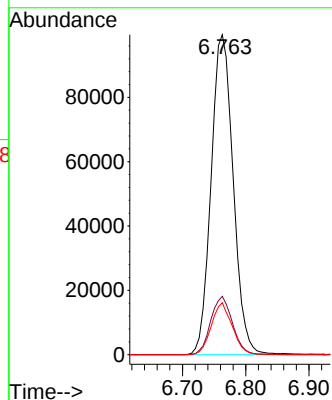
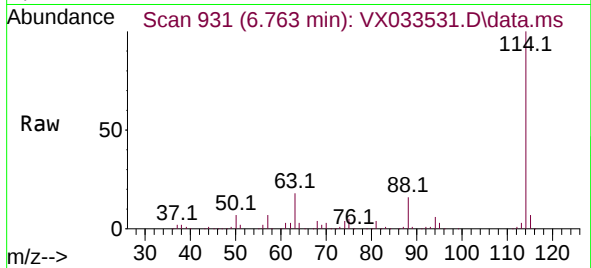




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

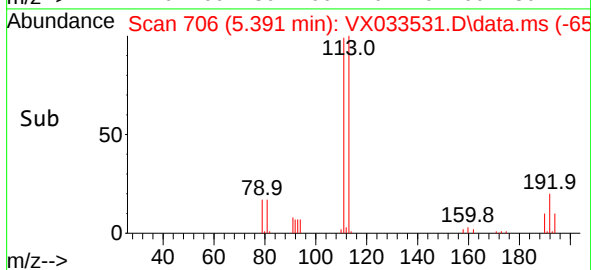
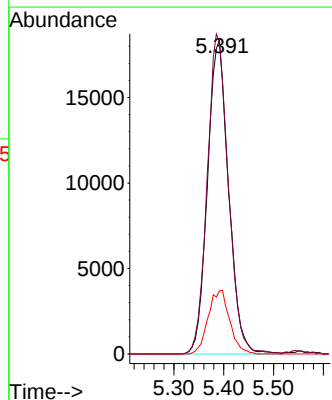
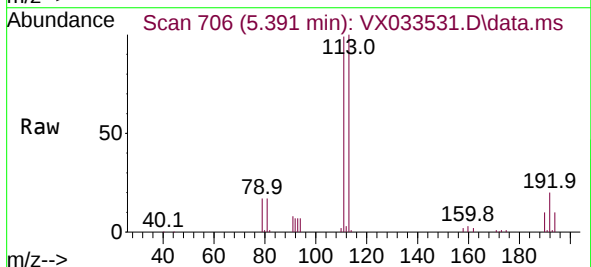
Instrument :
MSVOA_X
ClientSampleId :
FS-01-(0-2)

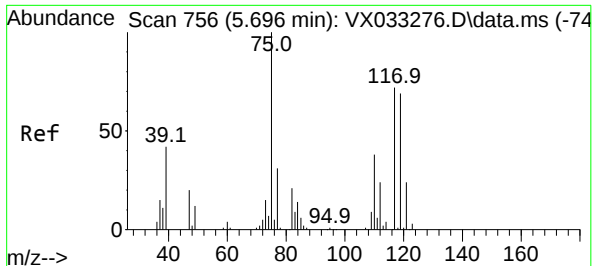
Tgt Ion:114 Resp: 240977
Ion Ratio Lower Upper
114 100
63 18.3 0.0 41.6
88 16.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.739 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion:113 Resp: 53910
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 20.7 15.4 23.2

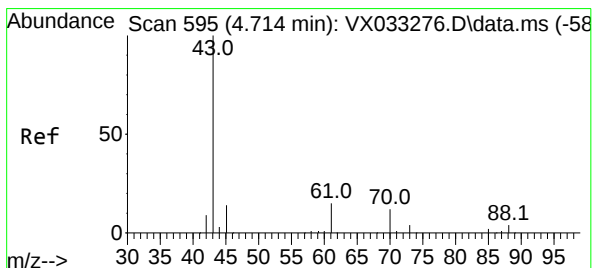
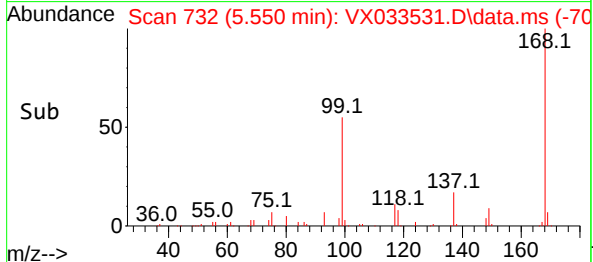
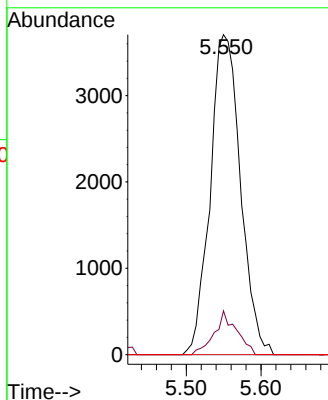
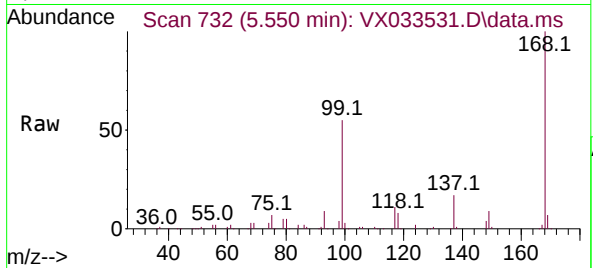




#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

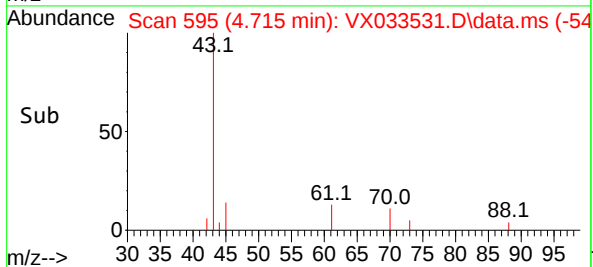
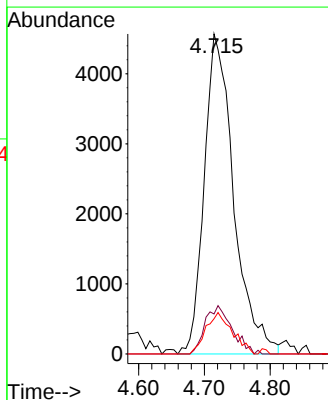
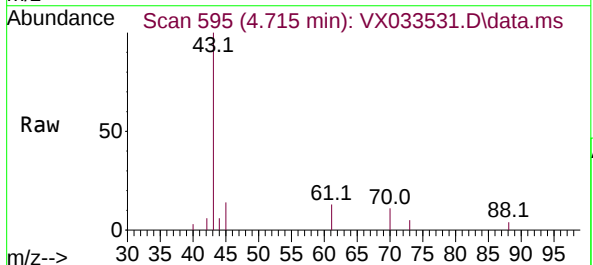
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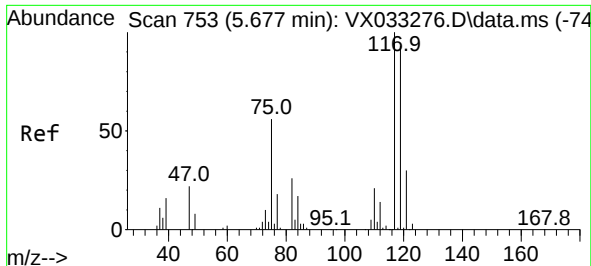
Tgt Ion: 75 Resp: 10442
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 7.121 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 43 Resp: 14225
Ion Ratio Lower Upper
43 100
61 13.8 11.5 17.3
70 11.6 9.1 13.7

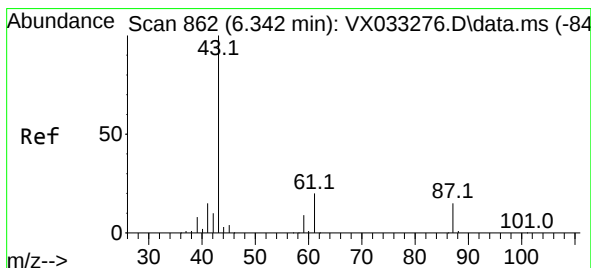
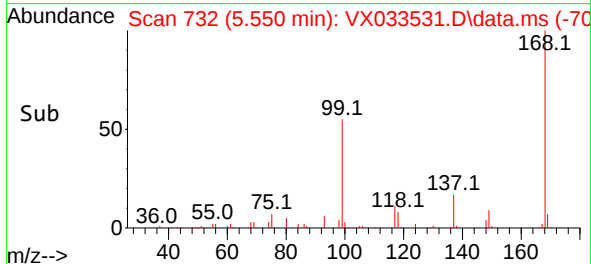
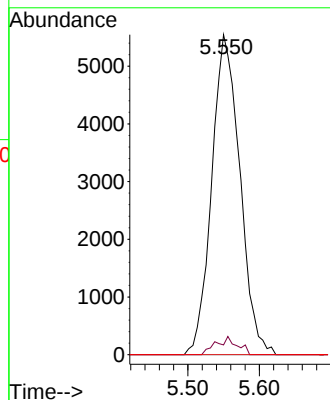
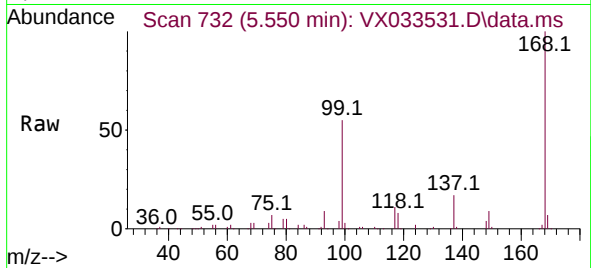




#38
Carbon Tetrachloride
Concen: 6.406 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

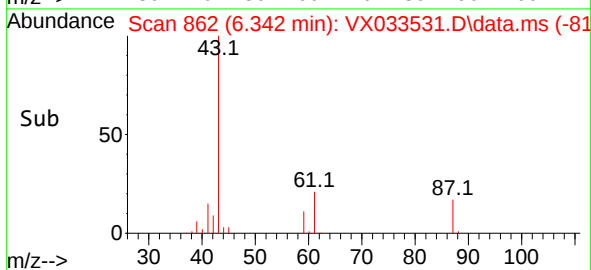
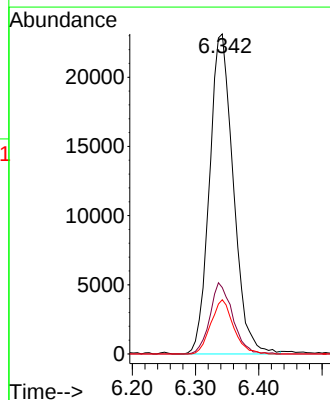
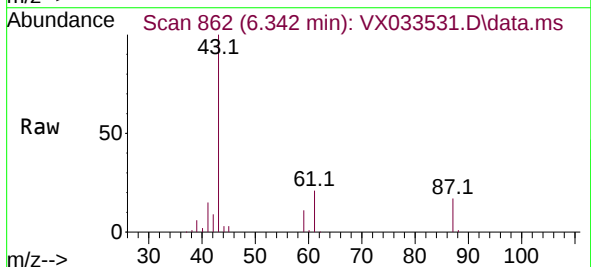
Instrument :
MSVOA_X
ClientSampleId :
FS-01-(0-2)

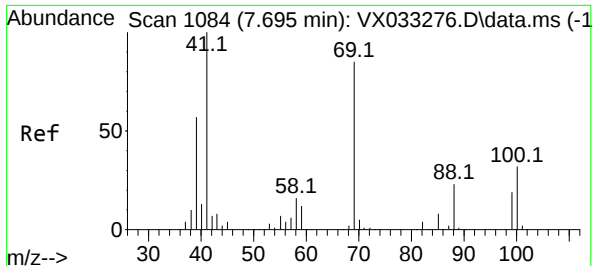
Tgt Ion:117 Resp: 15168
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 18.821 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 43 Resp: 60491
Ion Ratio Lower Upper
43 100
61 21.2 15.4 23.0
87 16.1 10.8 16.2





#48

Methyl methacrylate

Concen: 25.398 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX033531.D

Acq: 21 Dec 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

FS-01-(0-2)

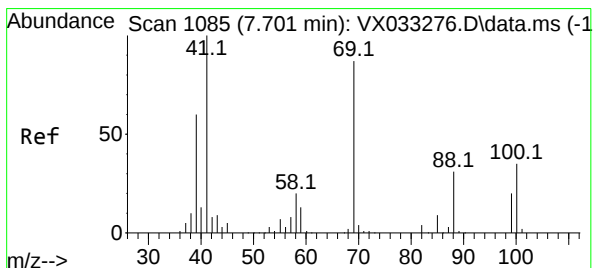
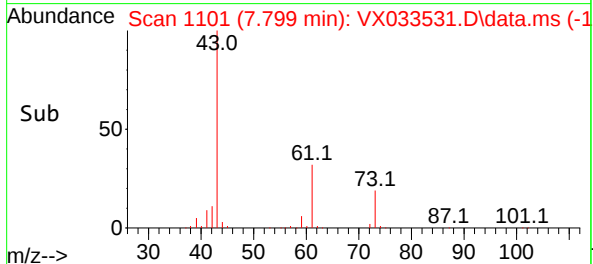
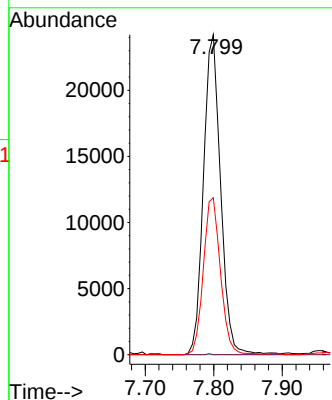
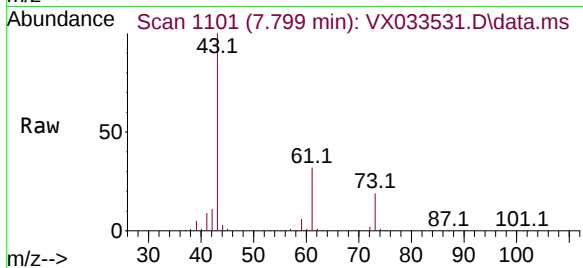
Tgt Ion: 41 Resp: 42130

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 49.1 51.9 77.9#



#49

1,4-Dioxane

Concen: 0.634 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.086 min

Lab File: VX033531.D

Acq: 21 Dec 2022 13:34

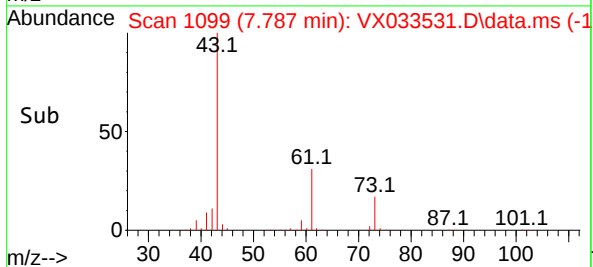
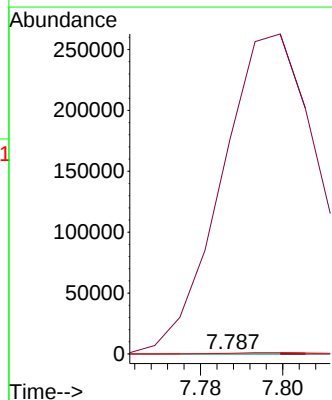
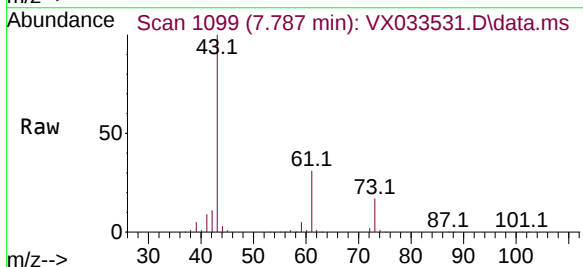
Tgt Ion: 88 Resp: 24

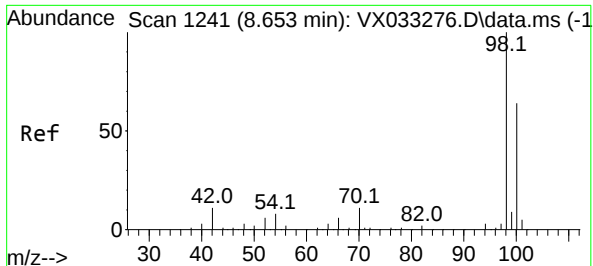
Ion Ratio Lower Upper

88 100

43 1887850.0 26.6 39.8#

58 7425.0 51.7 77.5#

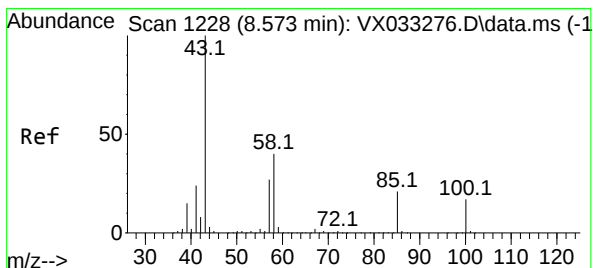
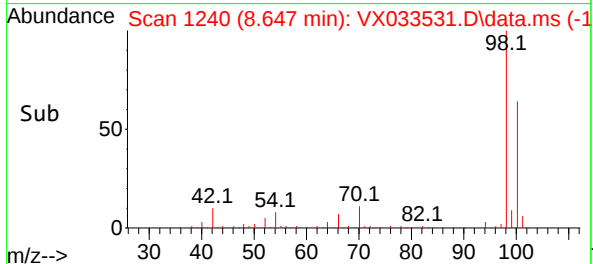
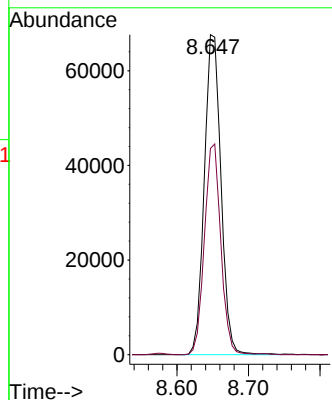
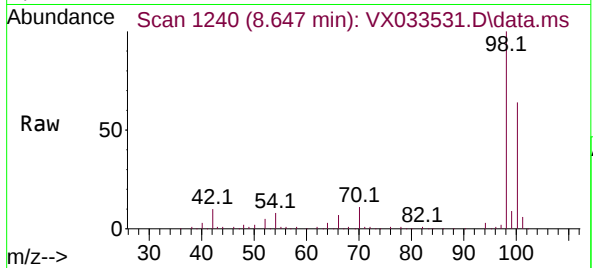




#50
Toluene-d8
Concen: 48.289 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

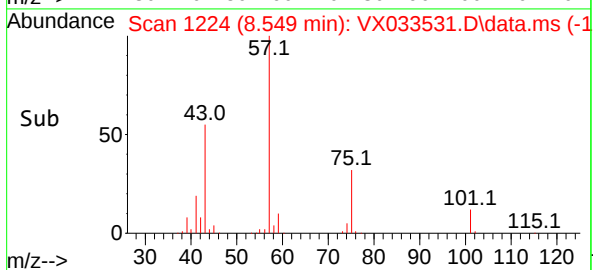
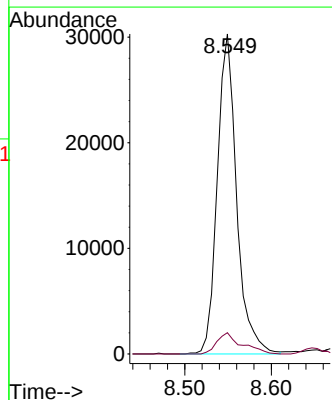
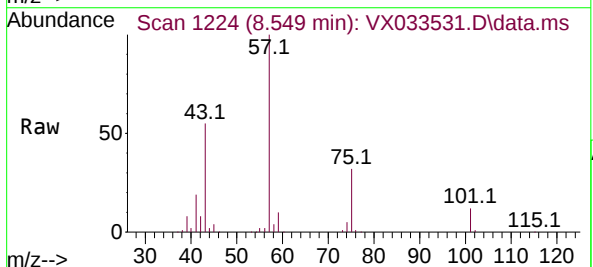
Instrument :
MSVOA_X
ClientSampleId :
FS-01-(0-2)

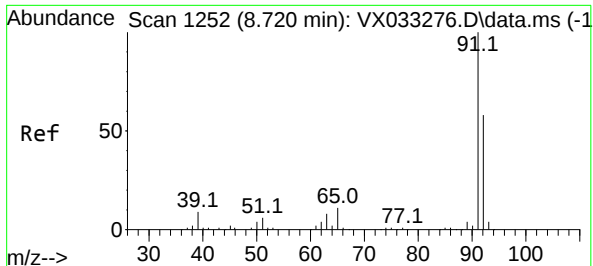
Tgt Ion: 98 Resp: 109490
Ion Ratio Lower Upper
98 100
100 64.9 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 23.129 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 43 Resp: 47010
Ion Ratio Lower Upper
43 100
58 8.5 30.9 46.3





#52

Toluene

Concen: 0.666 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033531.D

Acq: 21 Dec 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

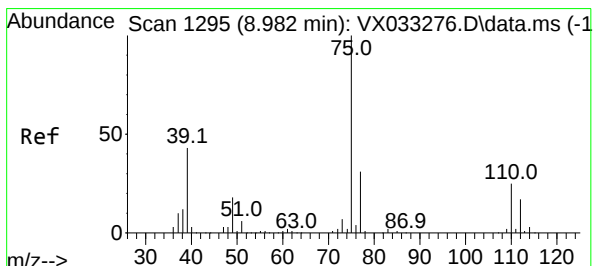
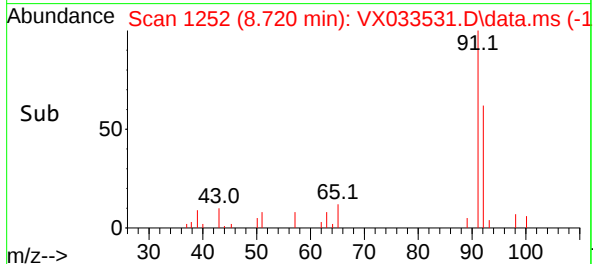
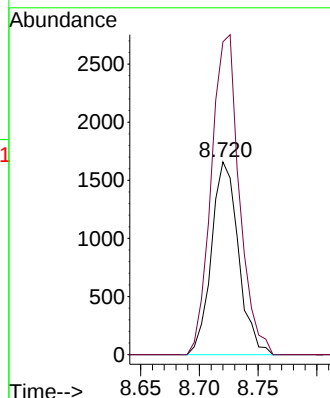
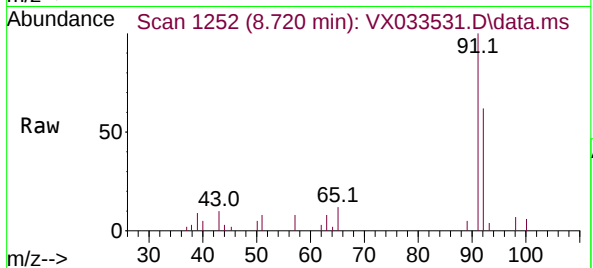
FS-01-(0-2)

Tgt Ion: 92 Resp: 2653

Ion Ratio Lower Upper

92 100

91 172.4 138.3 207.5



#53

t-1,3-Dichloropropene

Concen: 2.605 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX033531.D

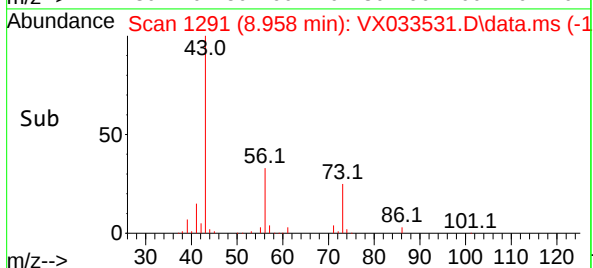
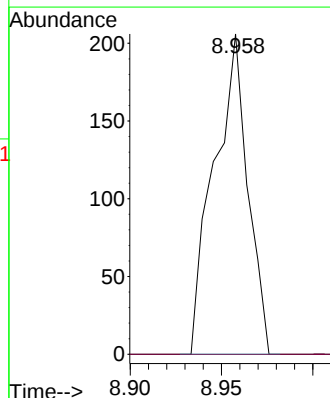
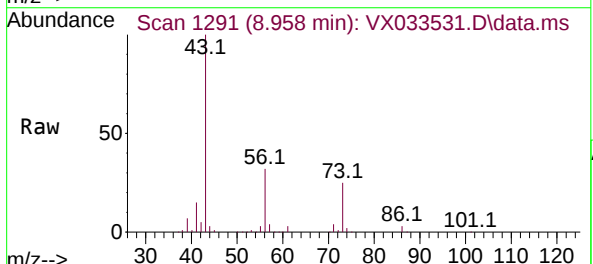
Acq: 21 Dec 2022 13:34

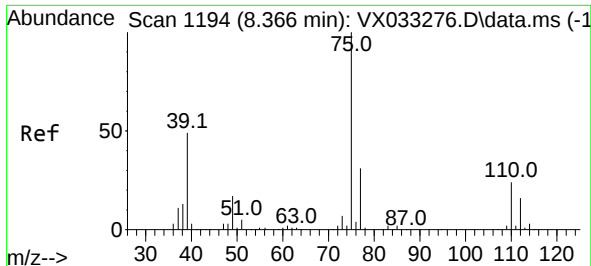
Tgt Ion: 75 Resp: 264

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

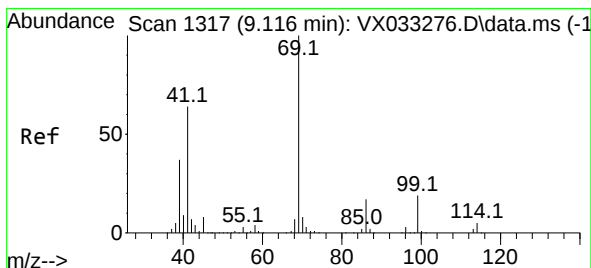
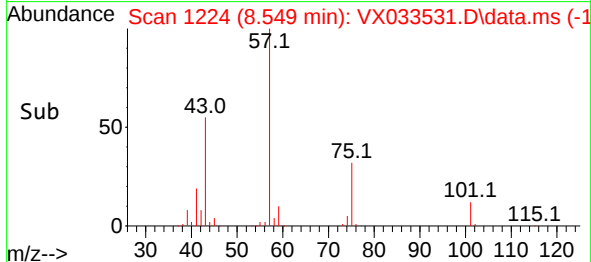
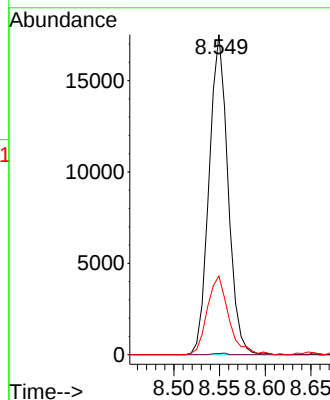
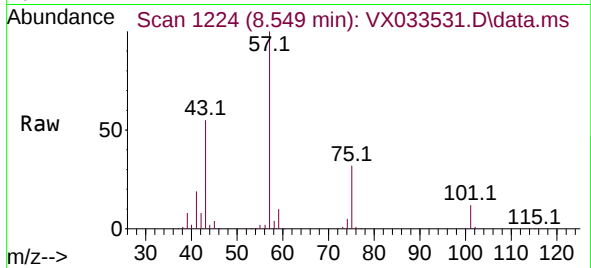




#54
 cis-1,3-Dichloropropene
 Concen: 10.107 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033531.D
 Acq: 21 Dec 2022 13:34

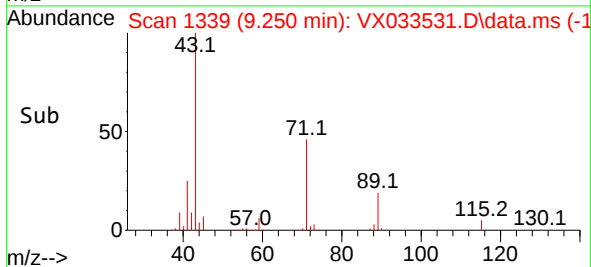
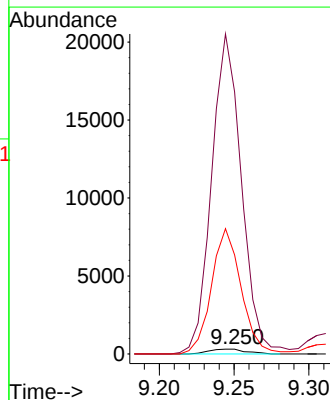
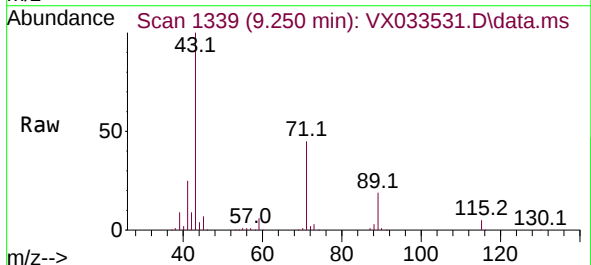
Instrument :
 MSVOA_X
 ClientSampleId :
 FS-01-(0-2)

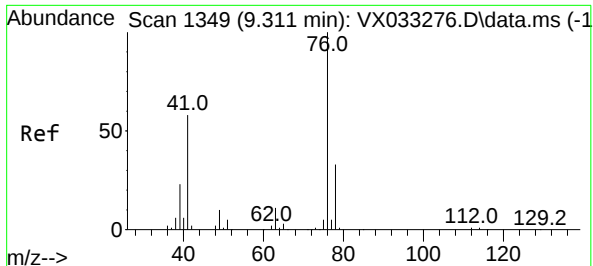
Tgt Ion: 75 Resp: 25166
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 24.6 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.224 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX033531.D
 Acq: 21 Dec 2022 13:34

Tgt Ion: 69 Resp: 529
 Ion Ratio Lower Upper
 69 100
 41 5394.9 54.3 81.5#
 39 2091.5 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.808 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033531.D

Acq: 21 Dec 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

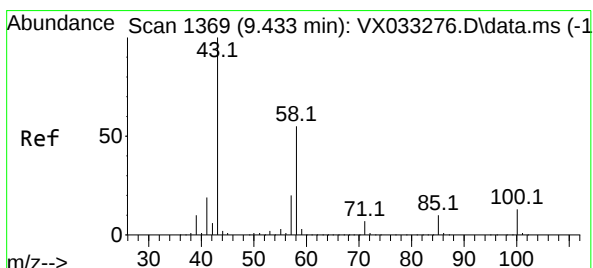
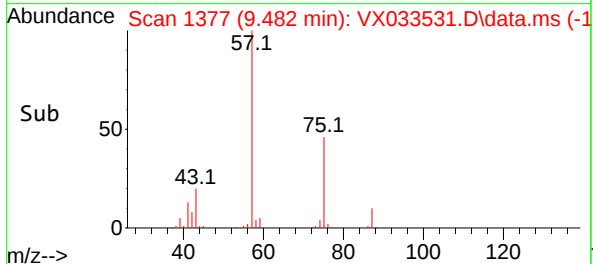
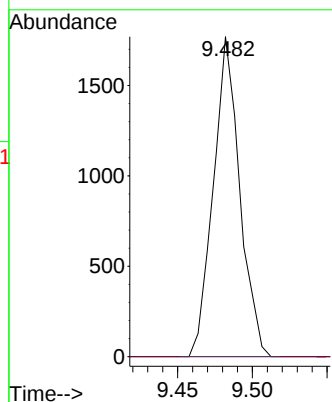
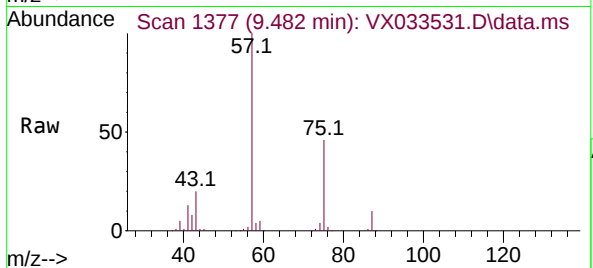
FS-01-(0-2)

Tgt Ion: 76 Resp: 2174

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 19.567 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033531.D

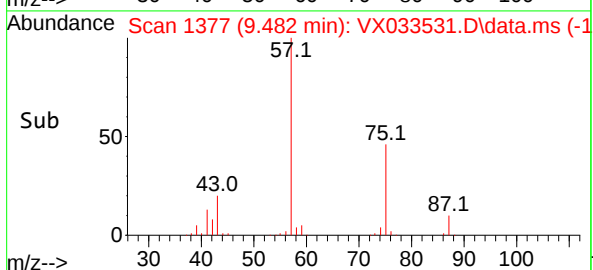
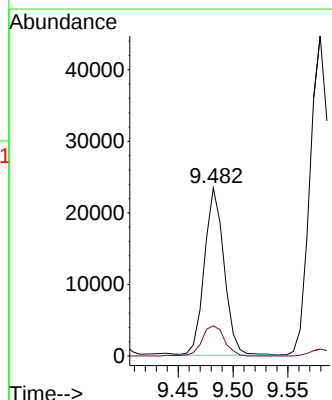
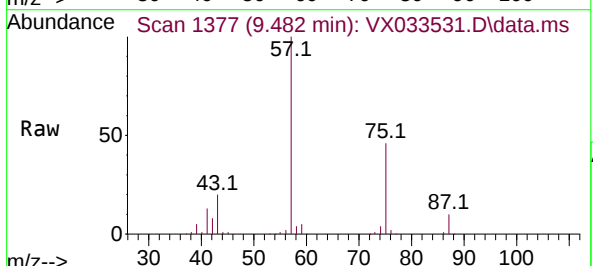
Acq: 21 Dec 2022 13:34

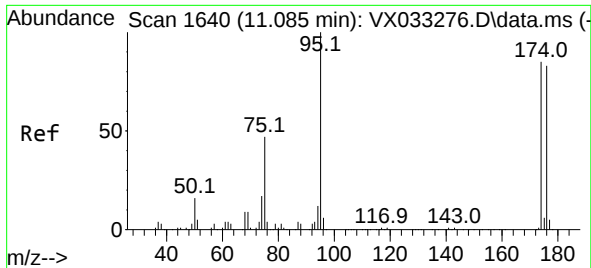
Tgt Ion: 43 Resp: 29308

Ion Ratio Lower Upper

43 100

58 20.5 26.5 79.5#

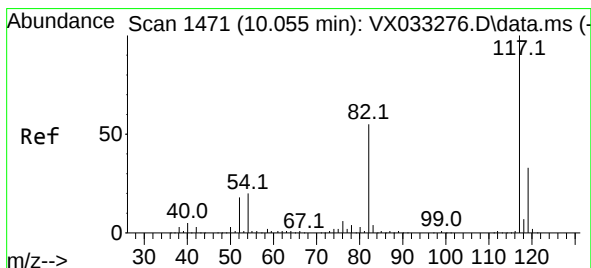
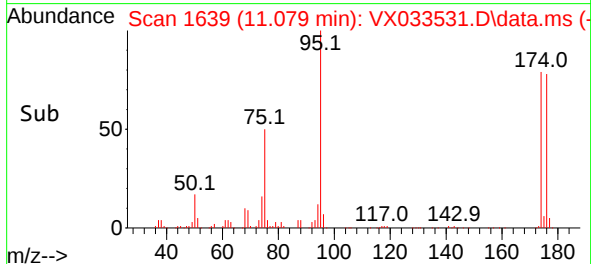
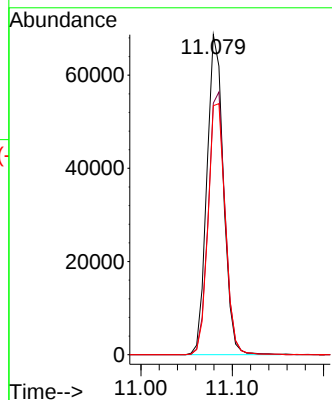
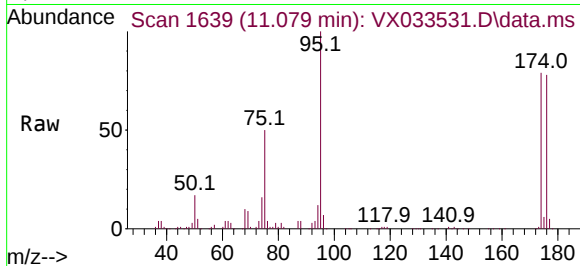




#62
4-Bromofluorobenzene
Concen: 49.769 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

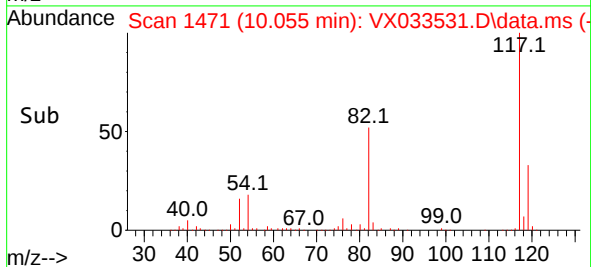
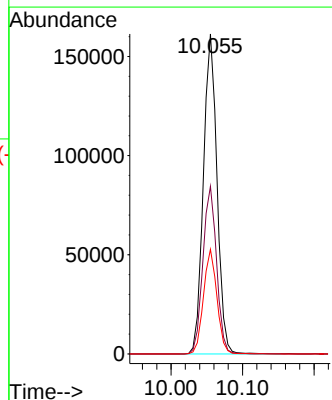
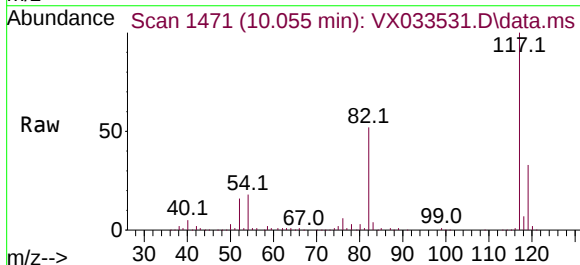
Instrument :
MSVOA_X
ClientSampleId :
FS-01-(0-2)

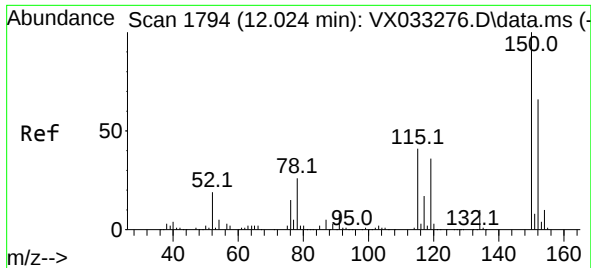
Tgt Ion: 95 Resp: 86284
Ion Ratio Lower Upper
95 100
174 83.6 0.0 164.0
176 81.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033531.D
Acq: 21 Dec 2022 13:34

Tgt Ion: 117 Resp: 213794
Ion Ratio Lower Upper
117 100
82 52.4 44.3 66.5
119 32.7 25.7 38.5

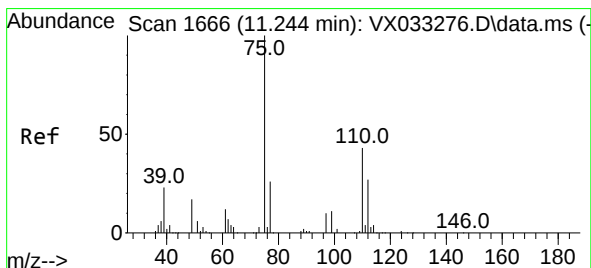
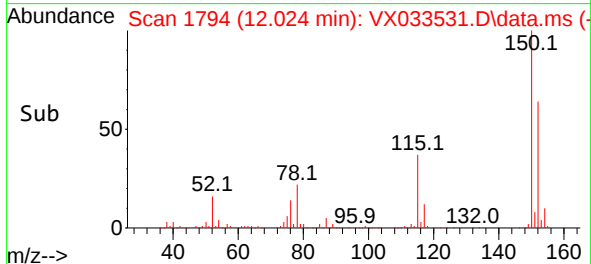
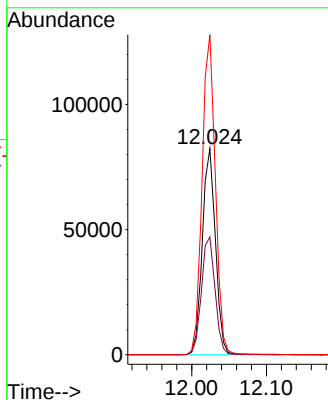
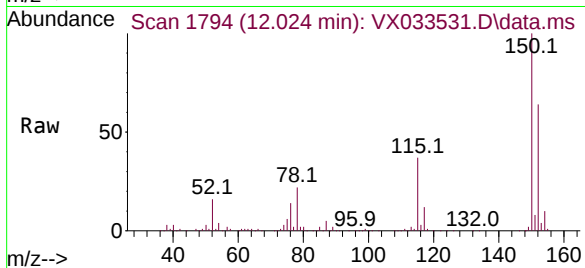




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033531.D
 Acq: 21 Dec 2022 13:34

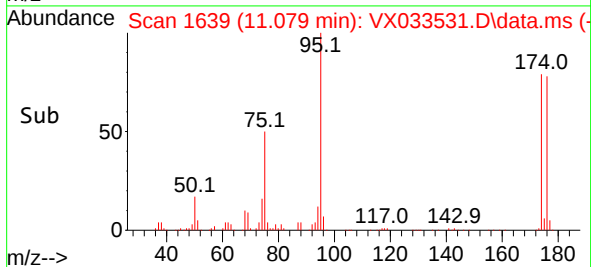
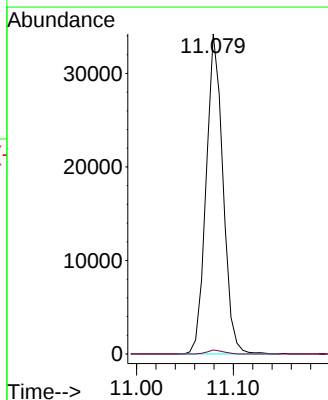
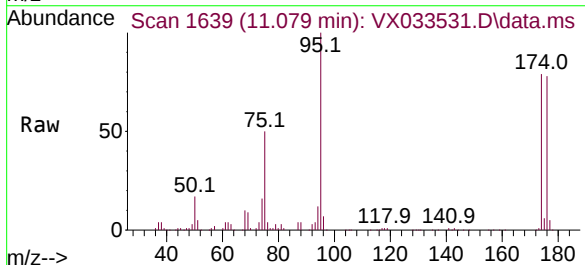
Instrument :
 MSVOA_X
 ClientSampleId :
 FS-01-(0-2)

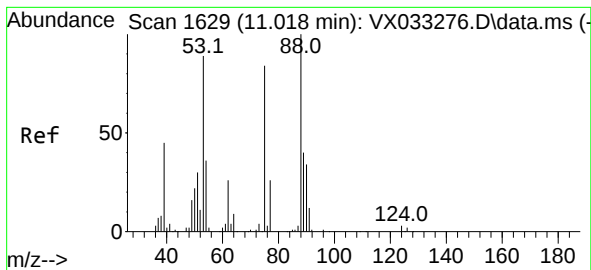
Tgt Ion:152 Resp: 100620
 Ion Ratio Lower Upper
 152 100
 115 59.3 44.0 132.0
 150 156.6 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 20.245 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX033531.D
 Acq: 21 Dec 2022 13:34

Tgt Ion: 75 Resp: 41444
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.976 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033531.D
 Acq: 21 Dec 2022 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 FS-01-(0-2)

Tgt Ion: 75 Resp: 41444
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

