

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033532.D
 Acq On : 21 Dec 2022 14:19
 Operator : JC/MD
 Sample : N6151-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FS-02-(0-2)

Quant Time: Dec 22 03:58:18 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)

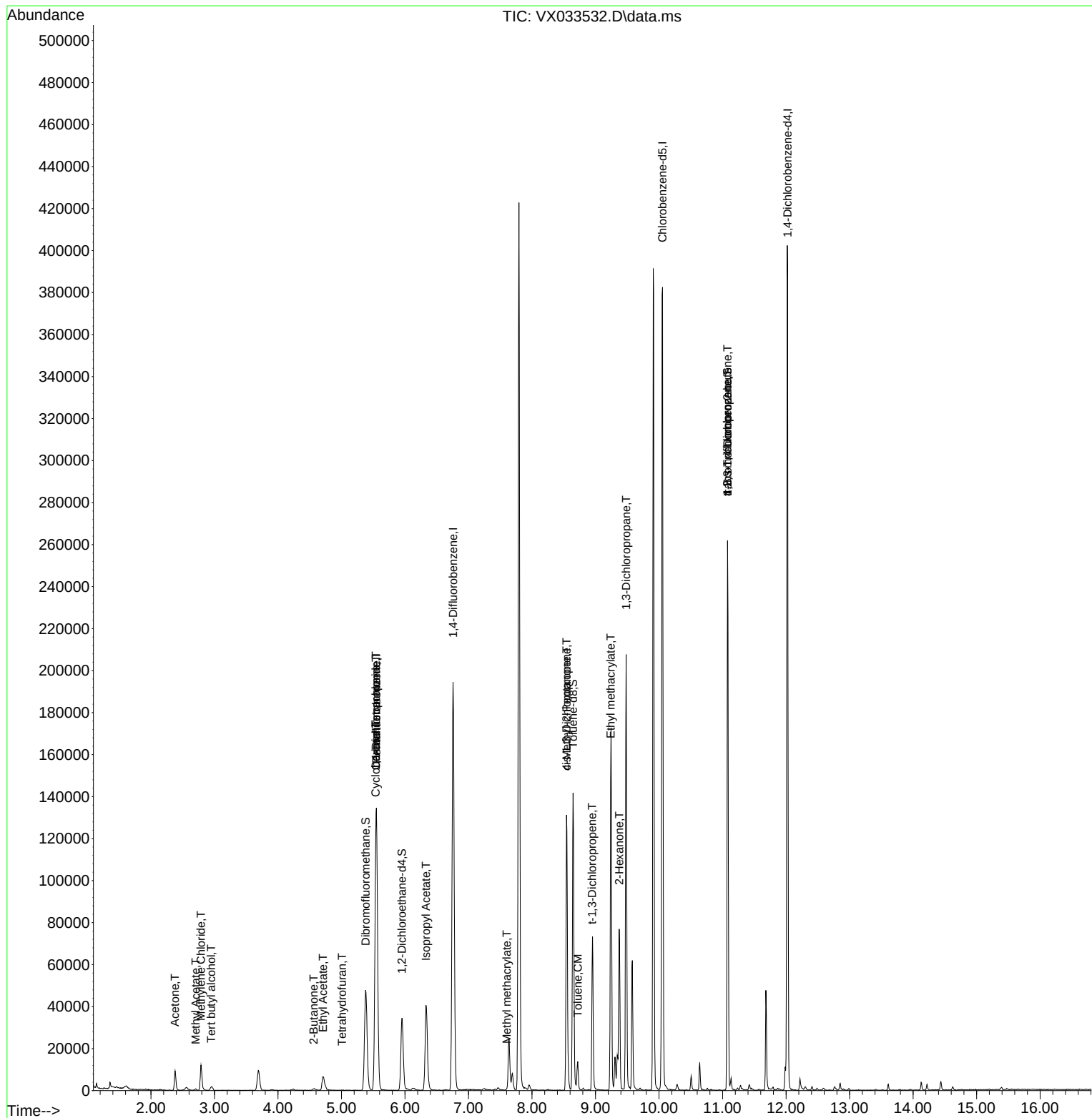
Internal Standards						
1) Pentafluorobenzene	5.550	168	136248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209797	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	34854	39.875	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.760%
35) Dibromofluoromethane	5.379	113	43232	45.815	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	8.647	98	88521	44.843	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.680%#
62) 4-Bromofluorobenzene	11.079	95	70788	46.899	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	929	3.476	ug/l #	72
16) Acetone	2.380	43	10283	15.898	ug/l	95
18) Methyl Acetate	2.703	43	991	0.529	ug/l #	89
20) Methylene Chloride	2.788	84	6420	4.451	ug/l	92
25) 2-Butanone	4.562	43	891	0.960	ug/l #	47
29) Tetrahydrofuran	5.007	42	187	0.311	ug/l #	31
31) Cyclohexane	5.538	56	2311	1.113	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9505	5.166	ug/l #	50
37) Ethyl Acetate	4.709	43	12183	7.005	ug/l	98
38) Carbon Tetrachloride	5.544	117	13489	6.544	ug/l #	15
43) Isopropyl Acetate	6.330	43	54700	19.548	ug/l	96
48) Methyl methacrylate	7.604	41	1687	1.168	ug/l #	13
51) 4-Methyl-2-Pentanone	8.543	43	43224	24.427	ug/l #	51
52) Toluene	8.720	92	5118	1.476	ug/l	95
53) t-1,3-Dichloropropene	8.946	75	170	2.579	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	22649	10.448	ug/l #	54
56) Ethyl methacrylate	9.238	69	477	0.232	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1904	0.813	ug/l #	42
59) 2-Hexanone	9.372	43	54757	41.990	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	33603	18.762	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33603	58.362	ug/l #	6

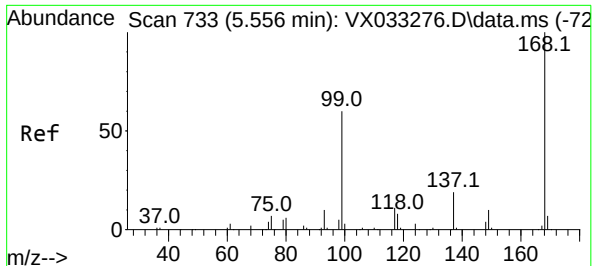
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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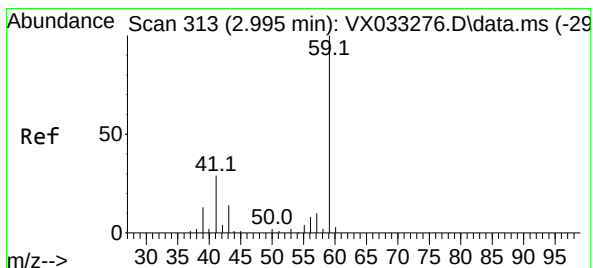
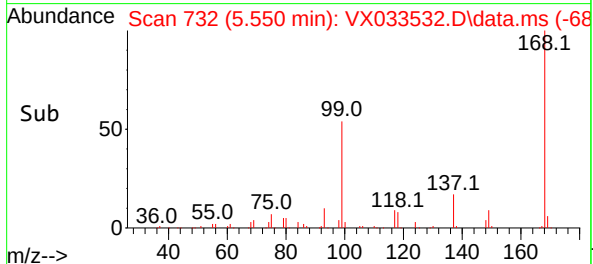
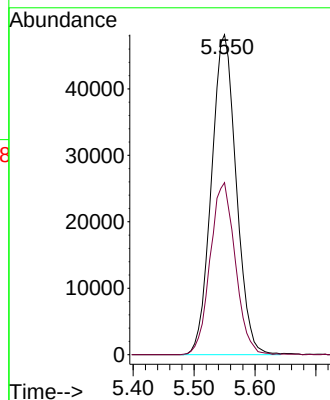
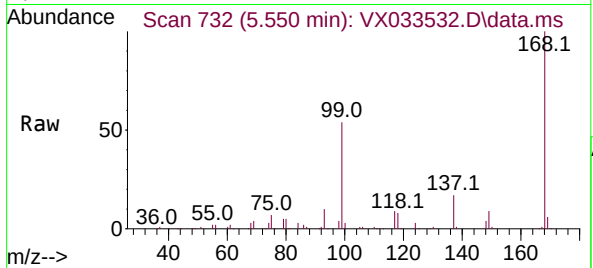




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

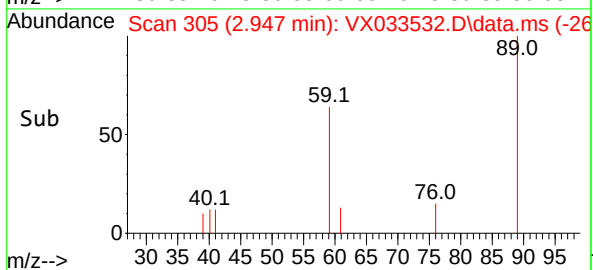
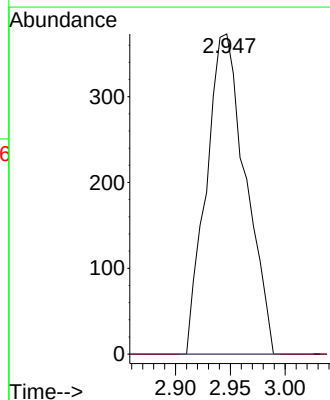
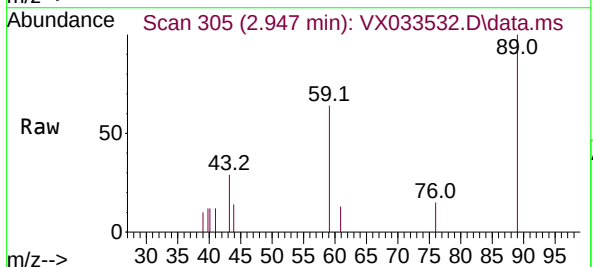
Instrument :
MSVOA_X
ClientSampleId :
FS-02-(0-2)

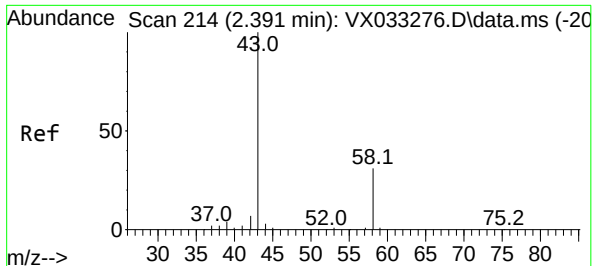
Tgt Ion:168 Resp: 136248
Ion Ratio Lower Upper
168 100
99 53.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 3.476 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

Tgt Ion: 59 Resp: 929
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

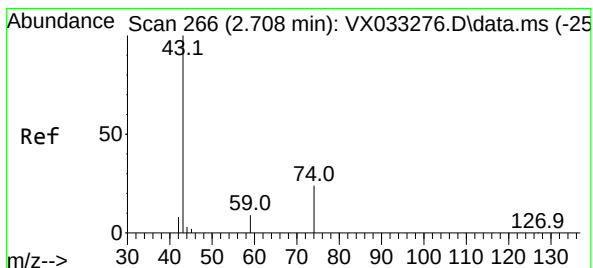
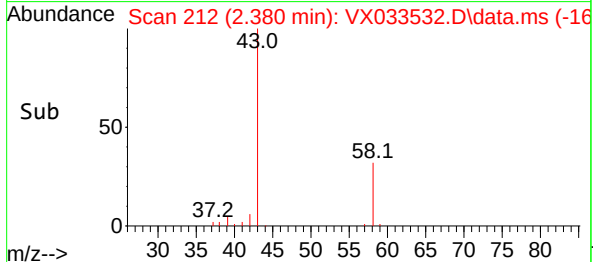
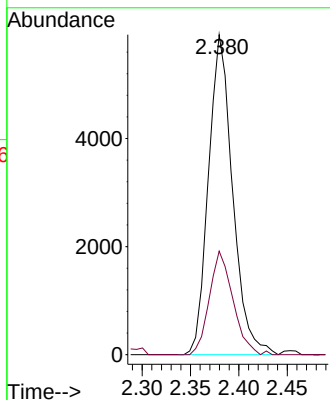
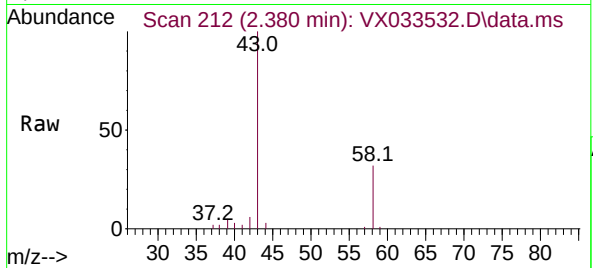




#16
Acetone
Concen: 15.898 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

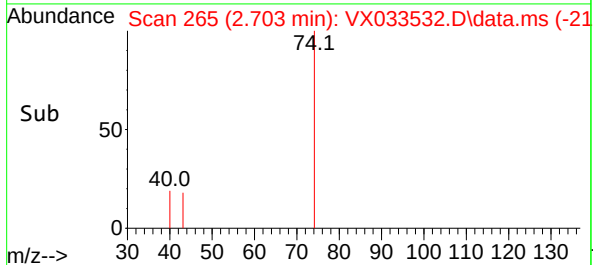
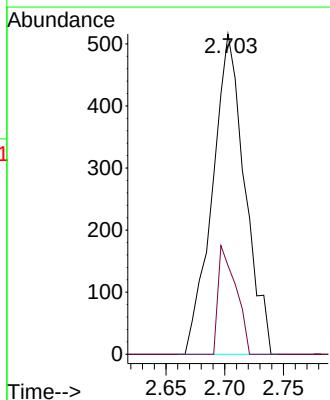
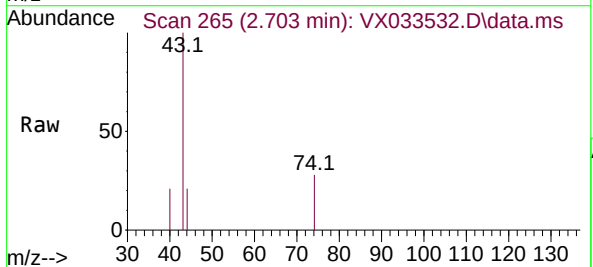
Instrument :
MSVOA_X
ClientSampleId :
FS-02-(0-2)

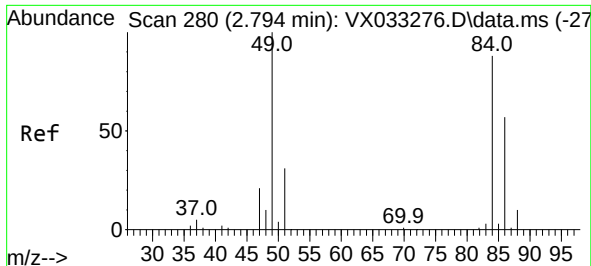
Tgt Ion: 43 Resp: 10283
Ion Ratio Lower Upper
43 100
58 32.3 23.8 35.8



#18
Methyl Acetate
Concen: 0.529 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
74 18.6 19.4 29.0#





#20

Methylene Chloride

Concen: 4.451 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

MSVOA_X

ClientSampleId :

FS-02-(0-2)

Tgt Ion: 84 Resp: 6420

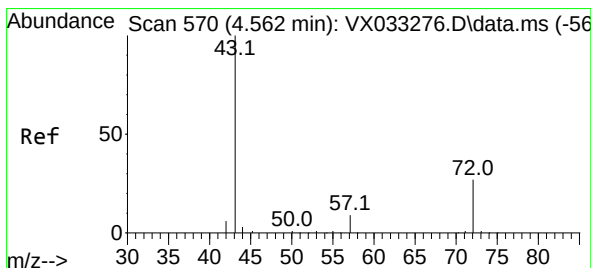
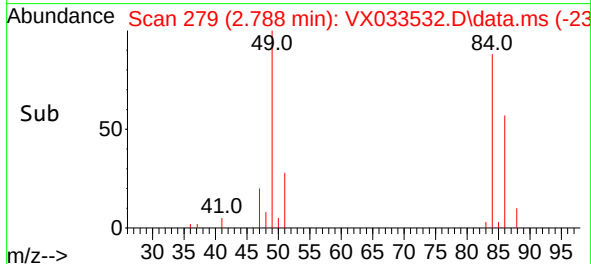
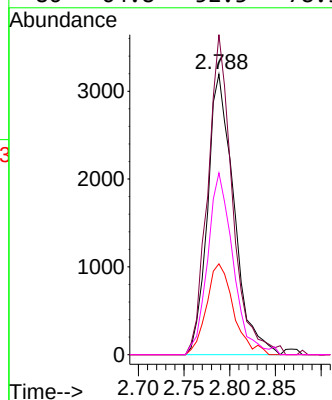
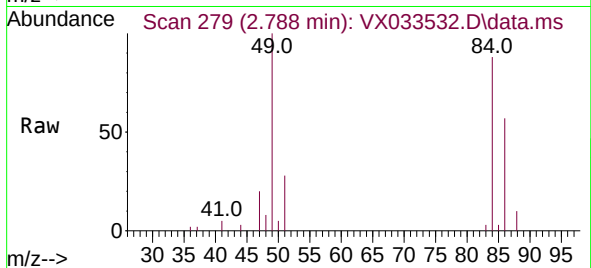
Ion Ratio Lower Upper

84 100

49 114.1 101.0 151.6

51 32.4 31.1 46.7

86 64.8 52.3 78.5



#25

2-Butanone

Concen: 0.960 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX033532.D

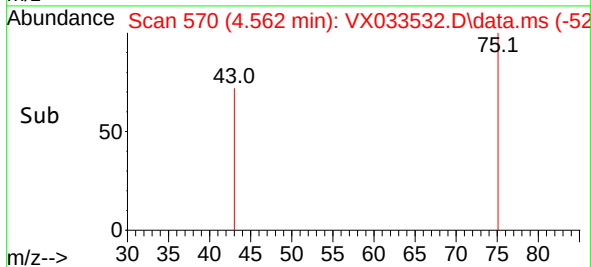
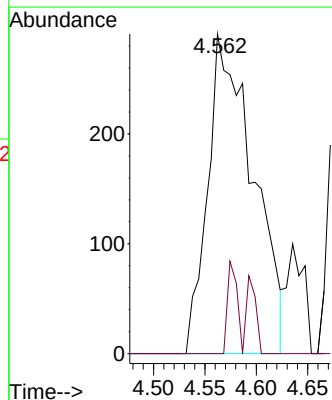
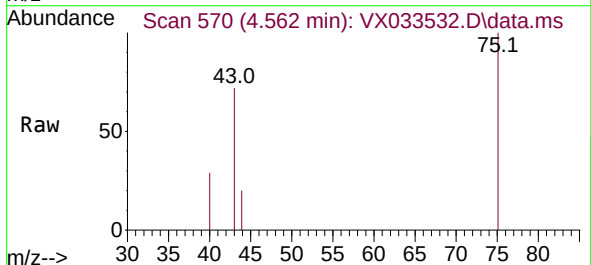
Acq: 21 Dec 2022 14:19

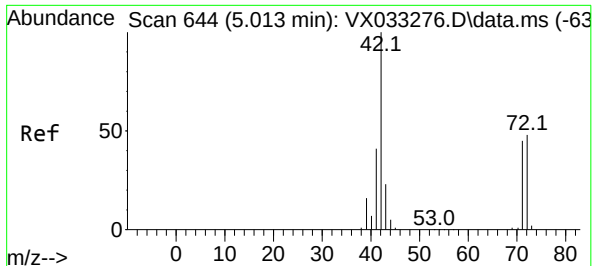
Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#





#29

Tetrahydrofuran

Concen: 0.311 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

MSVOA_X

ClientSampleId :

FS-02-(0-2)

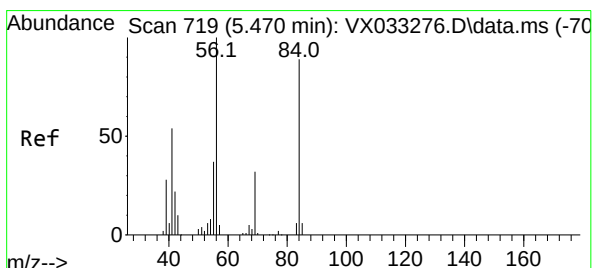
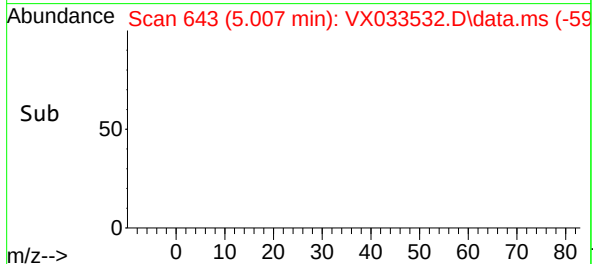
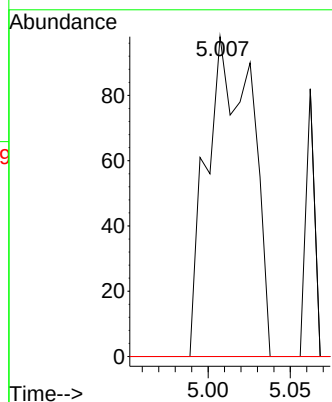
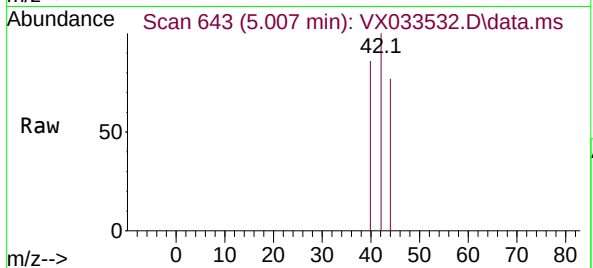
Tgt Ion: 42 Resp: 187

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.113 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.067 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

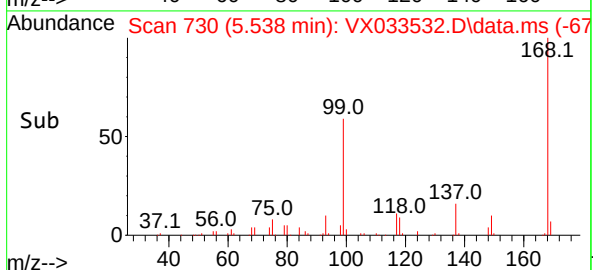
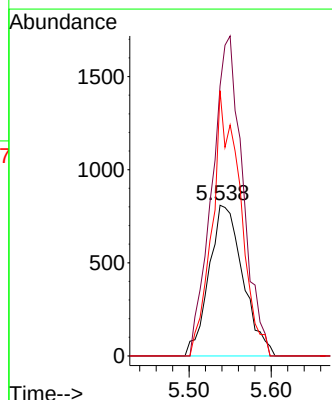
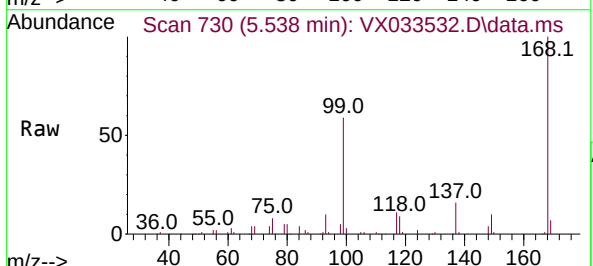
Tgt Ion: 56 Resp: 2311

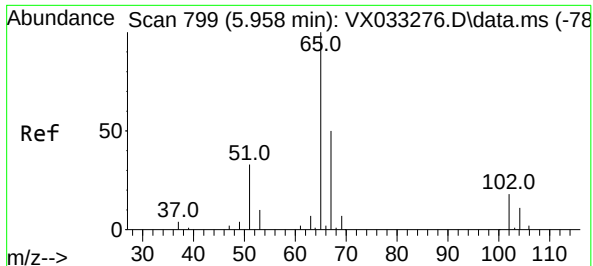
Ion Ratio Lower Upper

56 100

69 179.1 24.1 36.1#

84 176.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 39.875 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

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ClientSampleId :

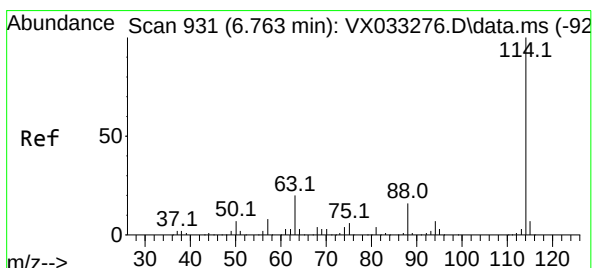
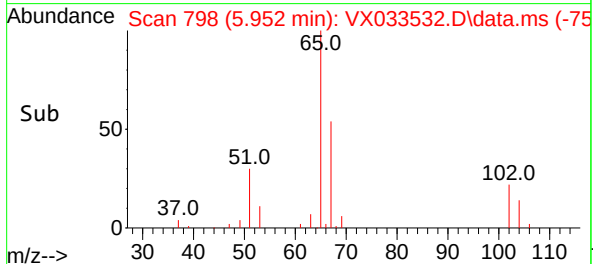
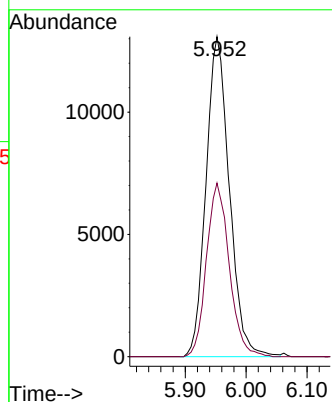
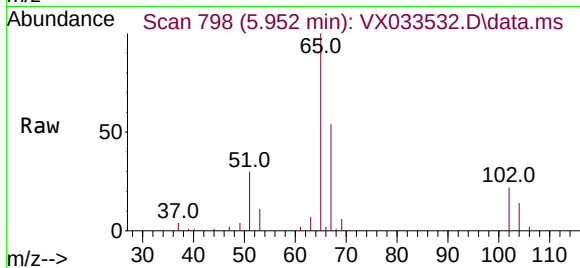
FS-02-(0-2)

Tgt Ion: 65 Resp: 34854

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

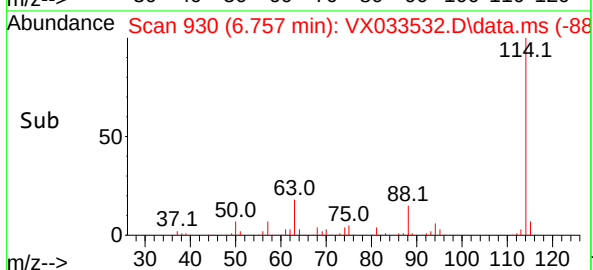
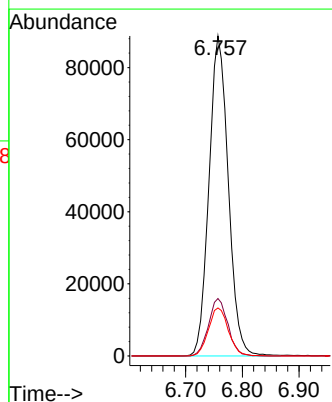
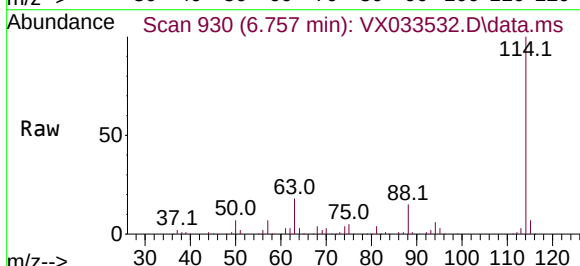
Tgt Ion: 114 Resp: 209797

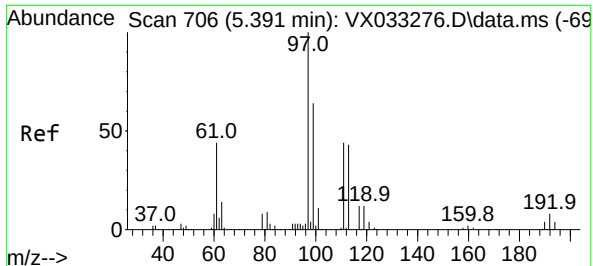
Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.6

88 15.0 0.0 33.4

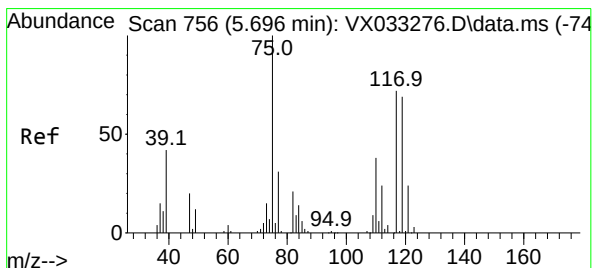
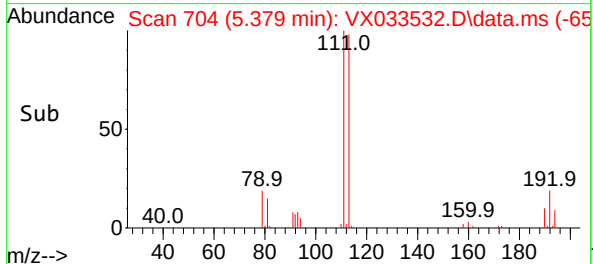
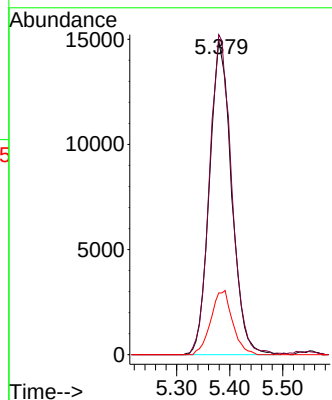
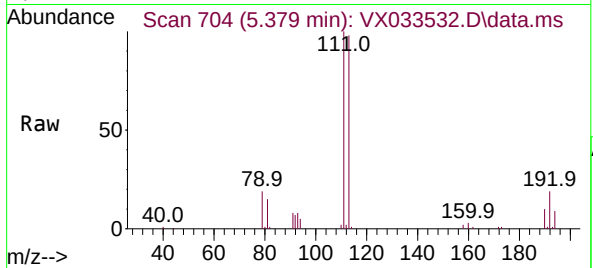




#35
Dibromofluoromethane
Concen: 45.815 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

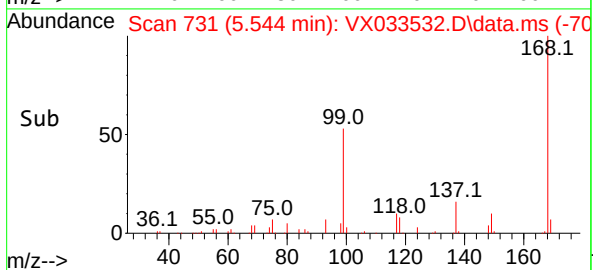
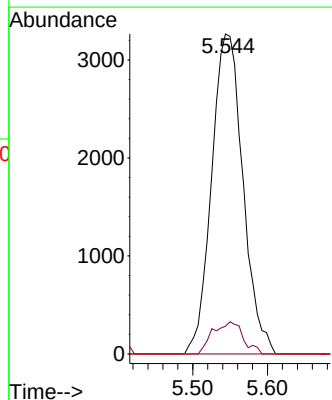
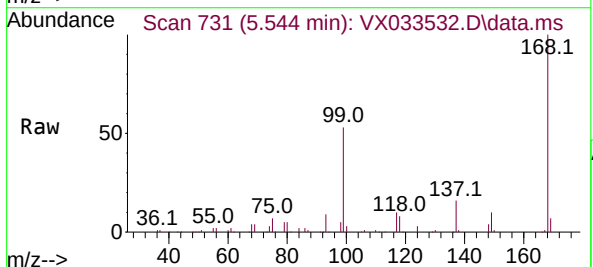
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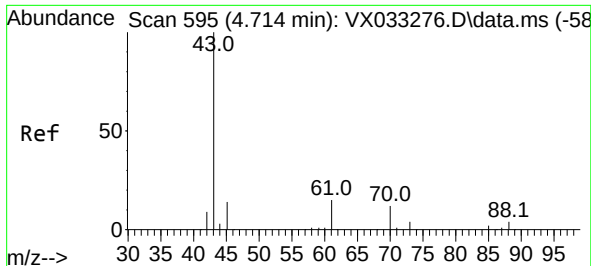
Tgt Ion:113 Resp: 43232
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 20.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

Tgt Ion: 75 Resp: 9505
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 7.005 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

MSVOA_X

ClientSampleId :

FS-02-(0-2)

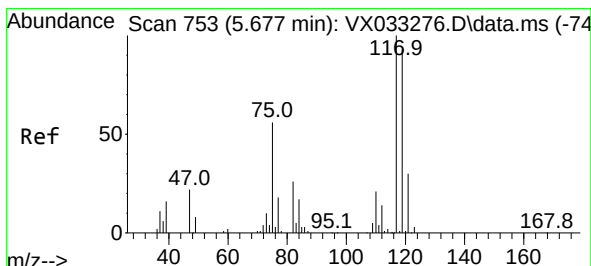
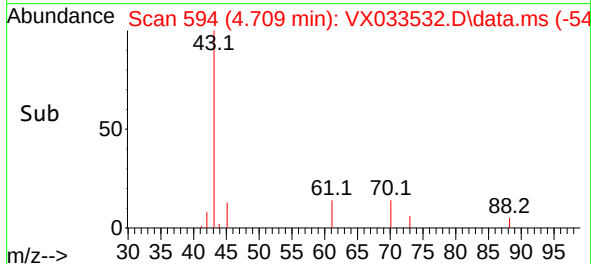
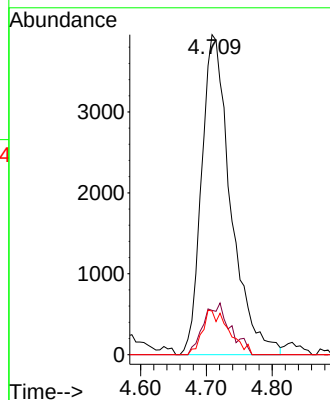
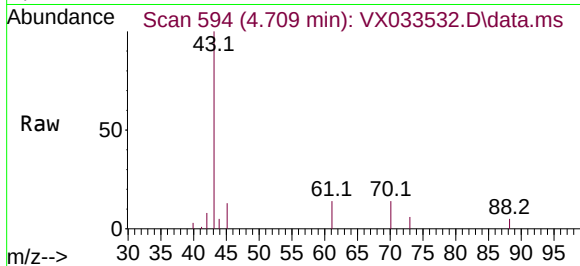
Tgt Ion: 43 Resp: 12183

Ion Ratio Lower Upper

43 100

61 14.8 11.5 17.3

70 12.6 9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.544 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

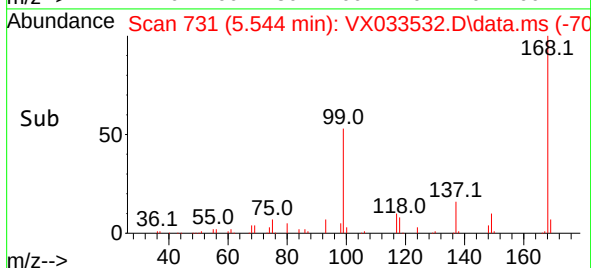
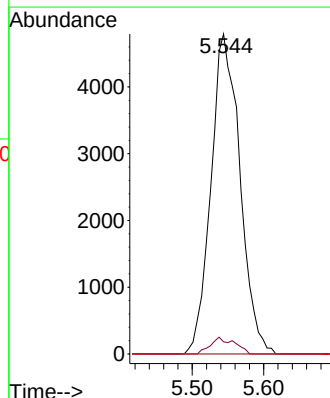
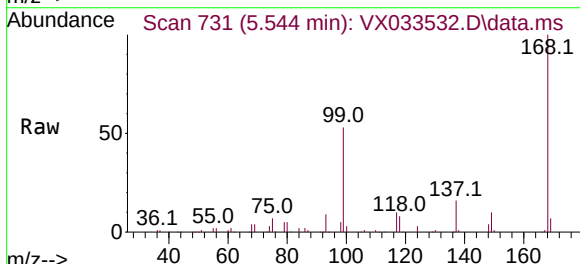
Tgt Ion: 117 Resp: 13489

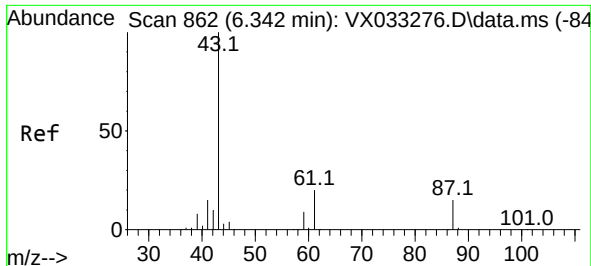
Ion Ratio Lower Upper

117 100

119 3.8 77.2 115.8#

121 0.0 25.8 38.6#

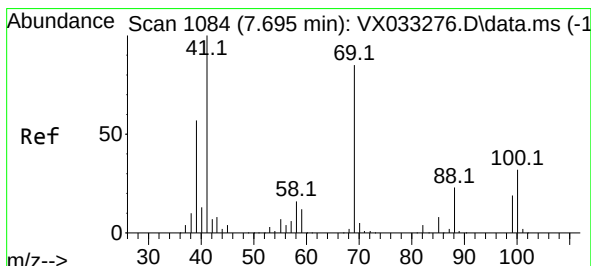
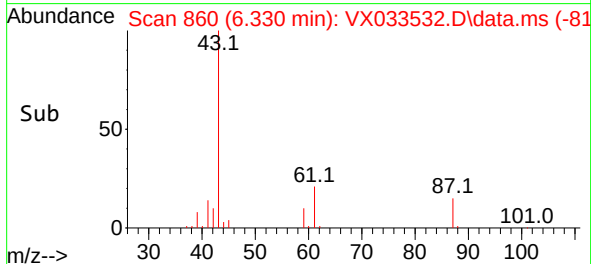
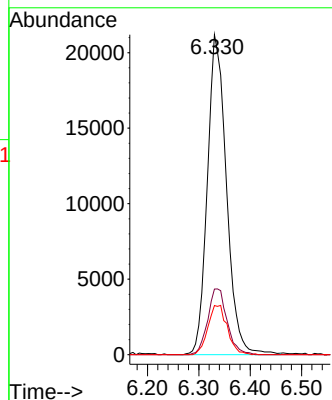
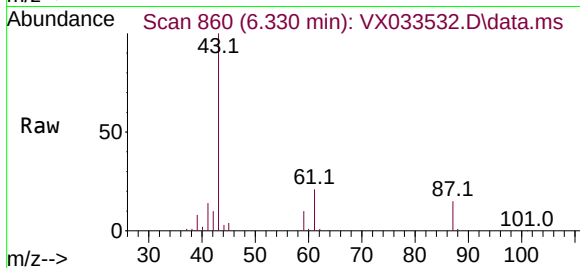




#43
Isopropyl Acetate
Concen: 19.548 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

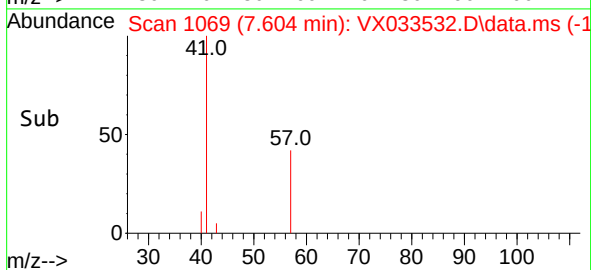
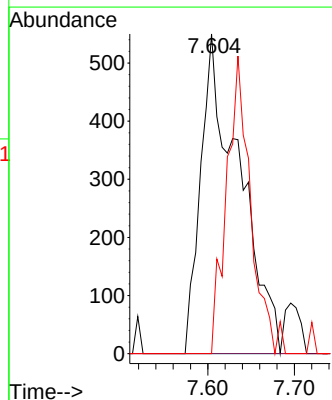
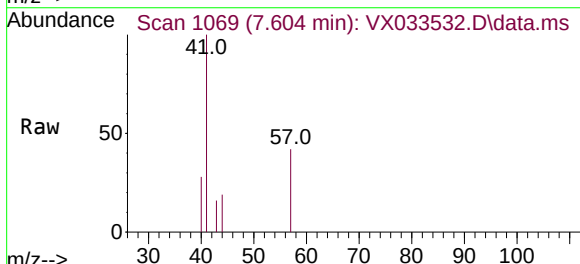
Instrument :
MSVOA_X
ClientSampleId :
FS-02-(0-2)

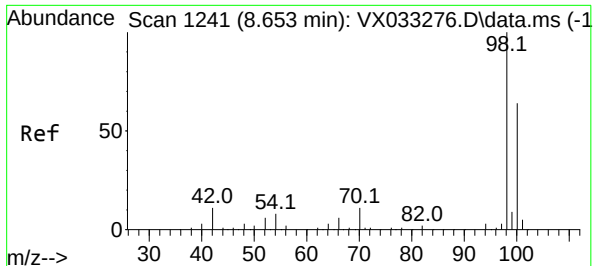
Tgt Ion: 43 Resp: 54700
Ion Ratio Lower Upper
43 100
61 20.8 15.4 23.0
87 15.6 10.8 16.2



#48
Methyl methacrylate
Concen: 1.168 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

Tgt Ion: 41 Resp: 1687
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 0.0 51.9 77.9#

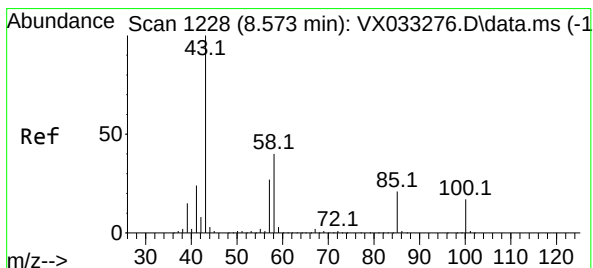
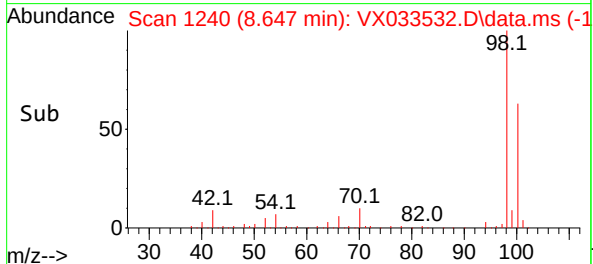
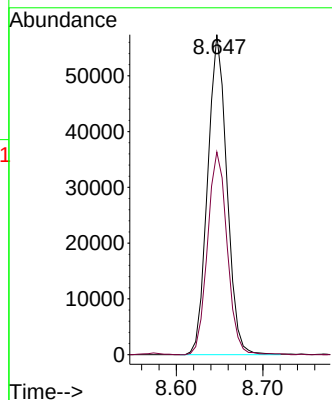
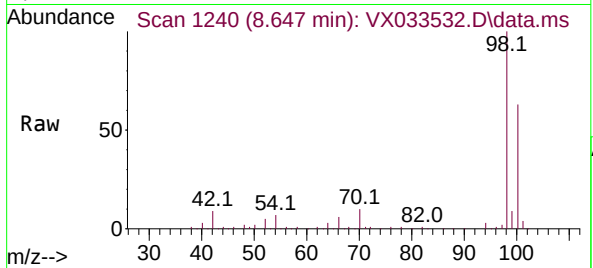




#50
Toluene-d8
Concen: 44.843 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

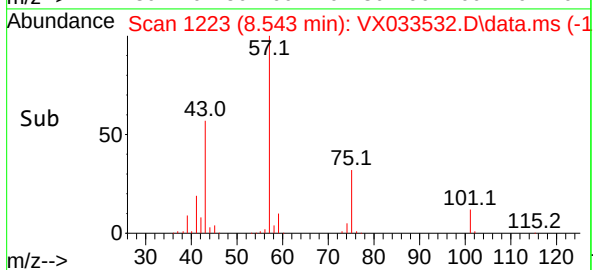
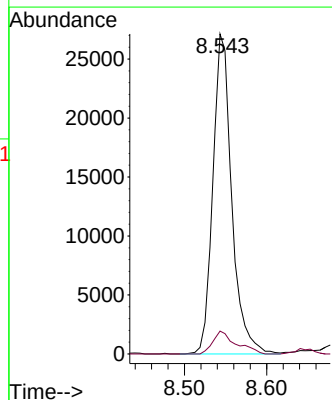
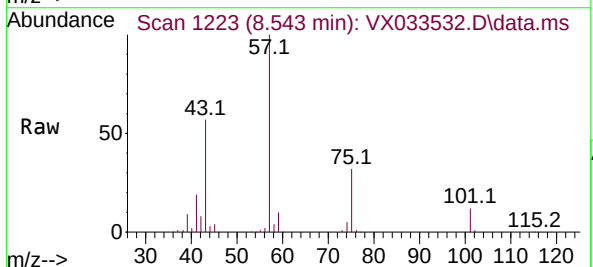
Instrument :
MSVOA_X
ClientSampleId :
FS-02-(0-2)

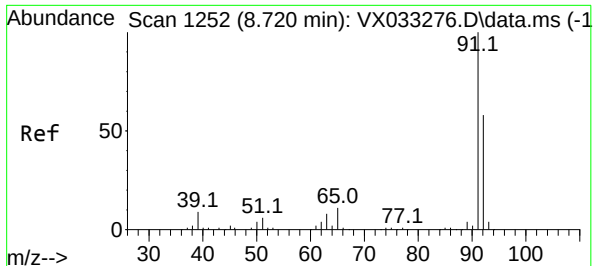
Tgt Ion: 98 Resp: 88521
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 24.427 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

Tgt Ion: 43 Resp: 43224
Ion Ratio Lower Upper
43 100
58 8.7 30.9 46.3





#52

Toluene

Concen: 1.476 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

MSVOA_X

ClientSampleId :

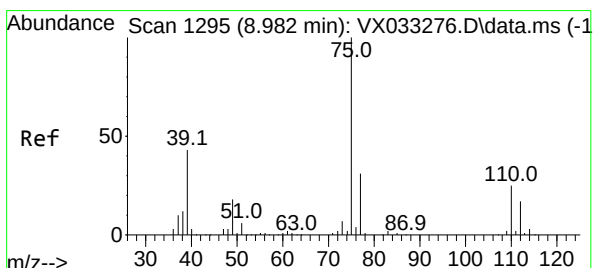
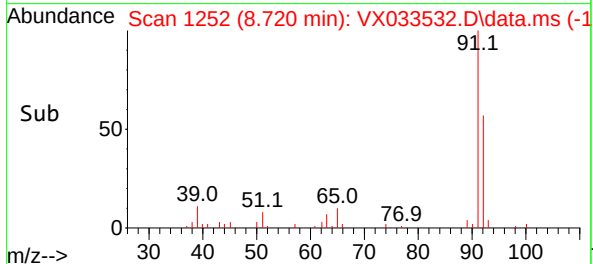
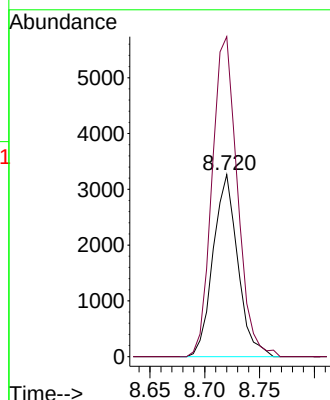
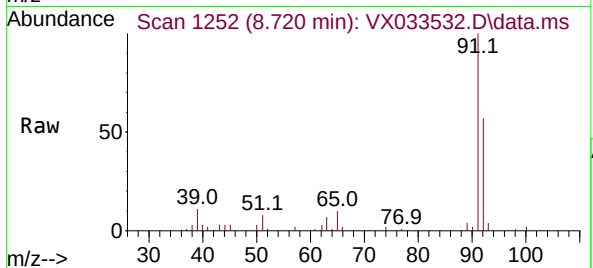
FS-02-(0-2)

Tgt Ion: 92 Resp: 5118

Ion Ratio Lower Upper

92 100

91 180.1 138.3 207.5



#53

t-1,3-Dichloropropene

Concen: 2.579 ug/l

RT: 8.946 min Scan# 1289

Delta R.T. -0.036 min

Lab File: VX033532.D

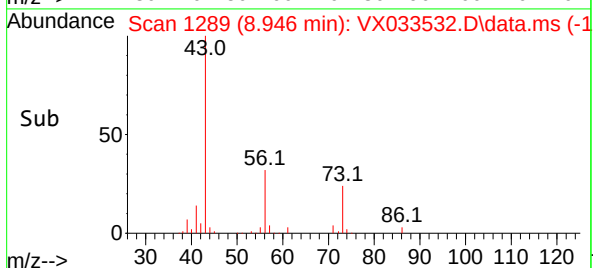
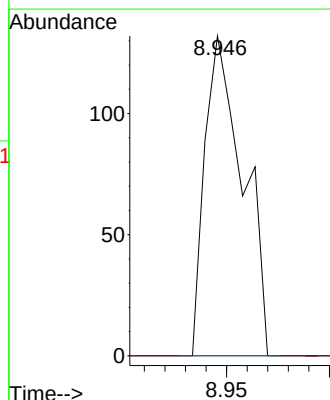
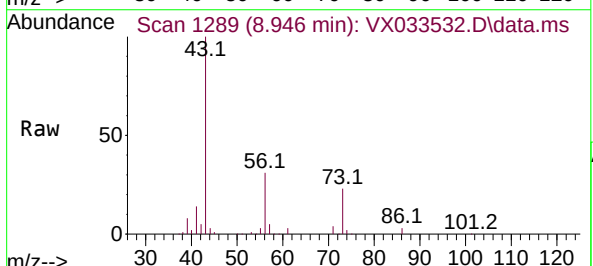
Acq: 21 Dec 2022 14:19

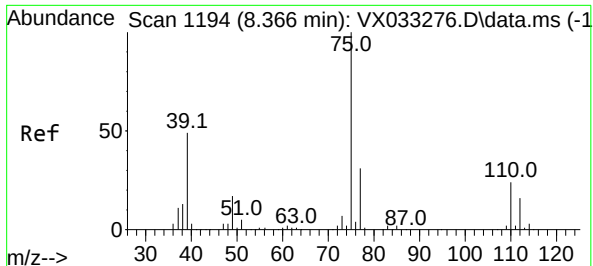
Tgt Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

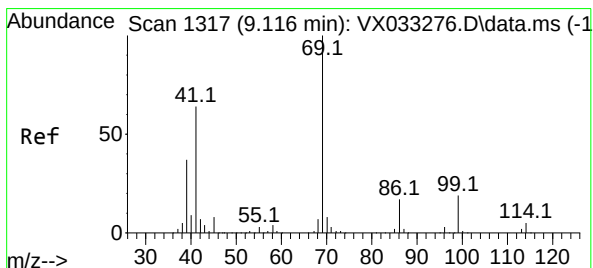
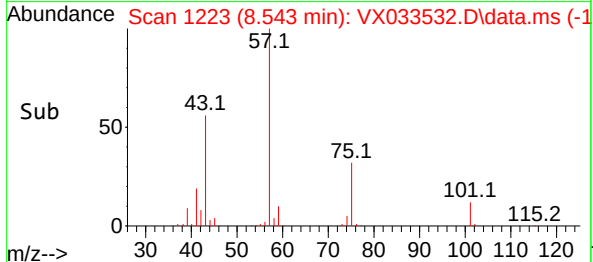
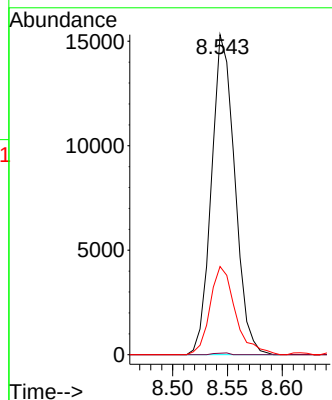
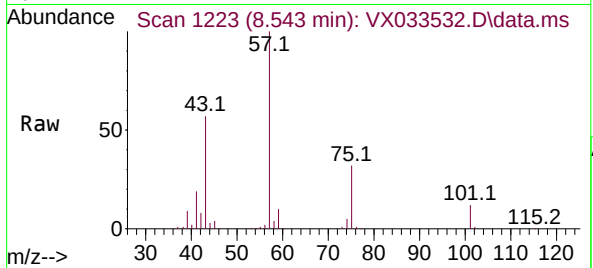




#54
 cis-1,3-Dichloropropene
 Concen: 10.448 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX033532.D
 Acq: 21 Dec 2022 14:19

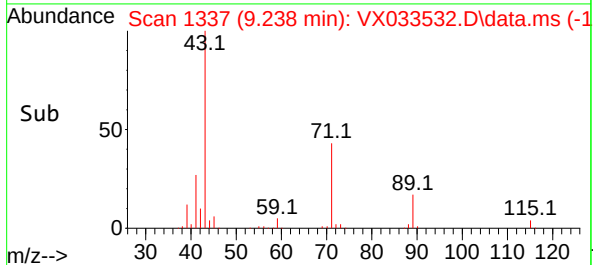
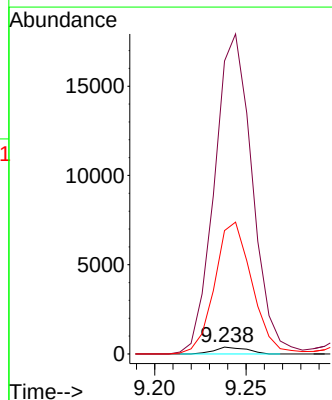
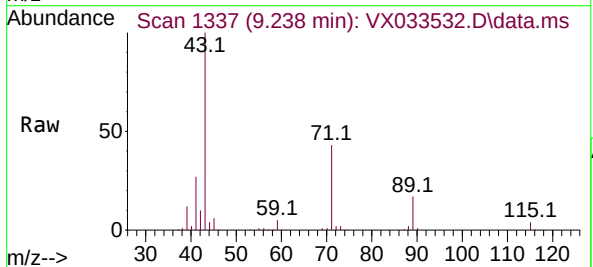
Instrument :
 MSVOA_X
 ClientSampleId :
 FS-02-(0-2)

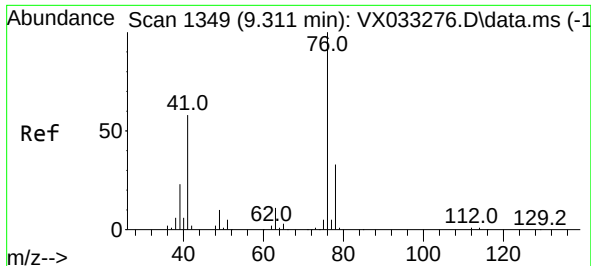
Tgt Ion: 75 Resp: 22649
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 27.5 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.232 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX033532.D
 Acq: 21 Dec 2022 14:19

Tgt Ion: 69 Resp: 477
 Ion Ratio Lower Upper
 69 100
 41 5414.5 54.3 81.5#
 39 2210.5 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.813 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

MSVOA_X

ClientSampleId :

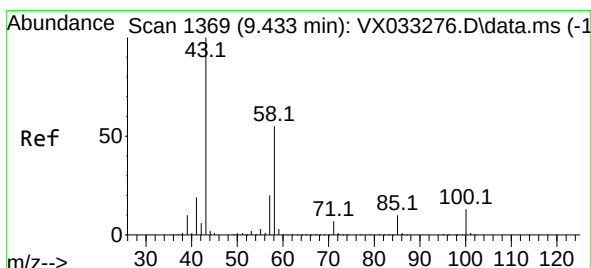
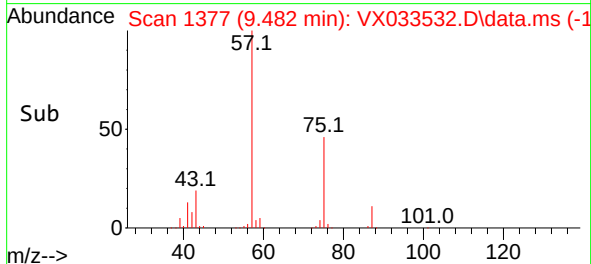
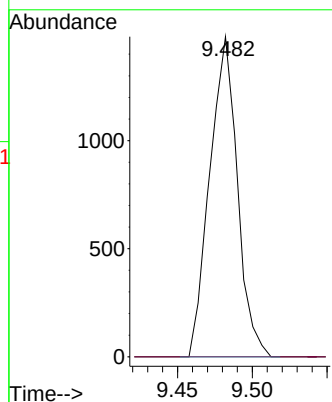
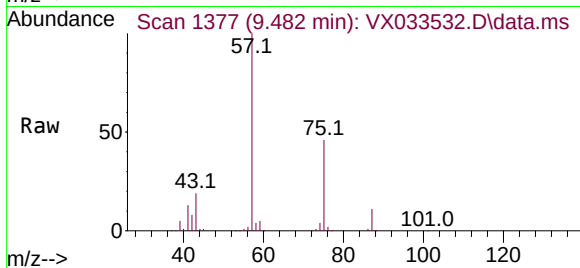
FS-02-(0-2)

Tgt Ion: 76 Resp: 1904

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 41.990 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.061 min

Lab File: VX033532.D

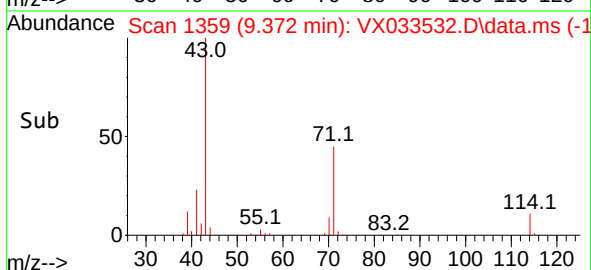
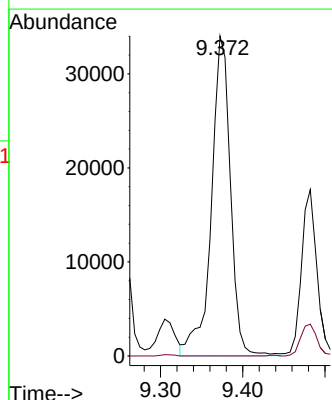
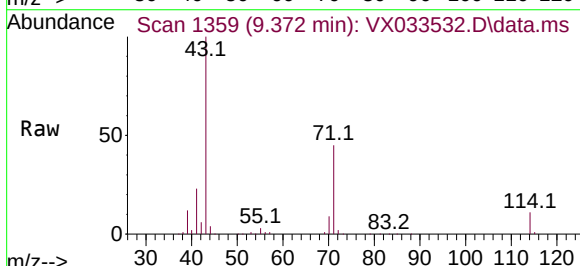
Acq: 21 Dec 2022 14:19

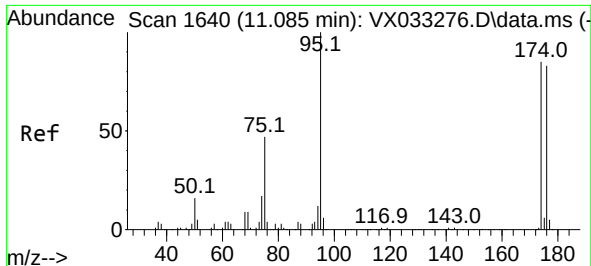
Tgt Ion: 43 Resp: 54757

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

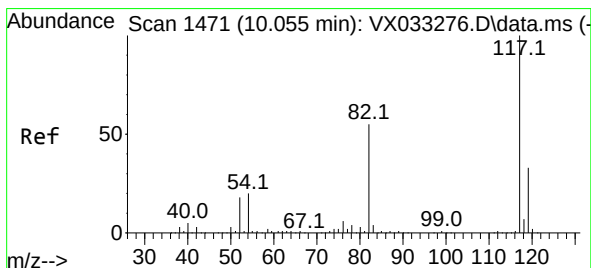
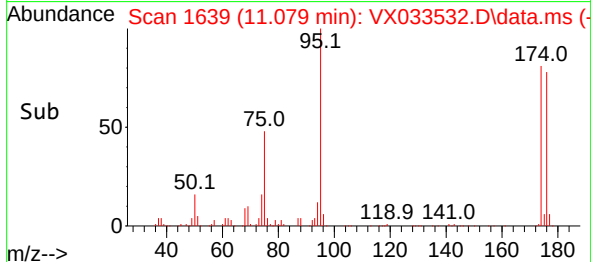
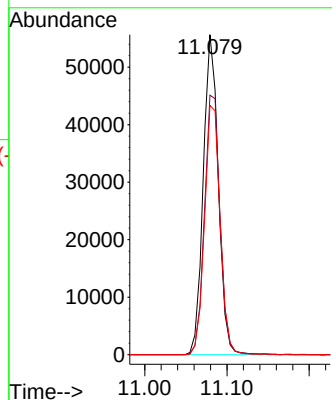
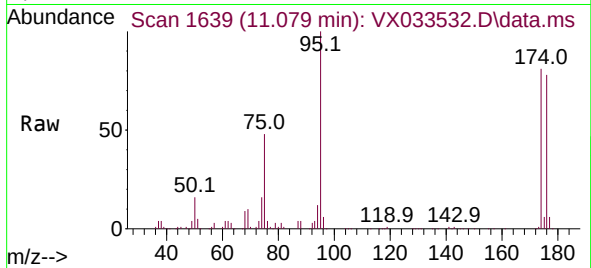




#62
4-Bromofluorobenzene
Concen: 46.899 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

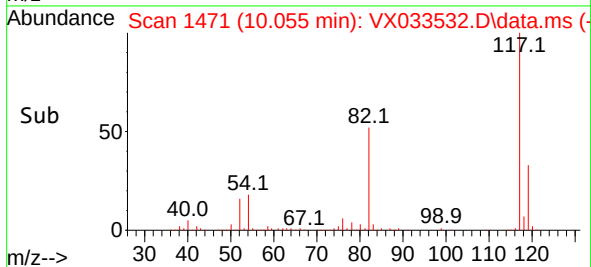
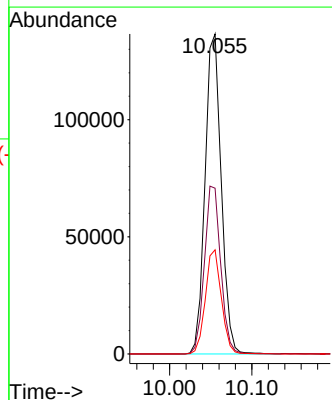
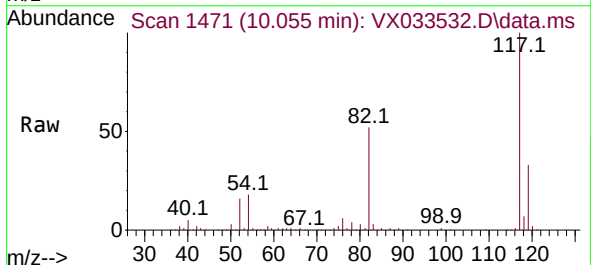
Instrument :
MSVOA_X
ClientSampleId :
FS-02-(0-2)

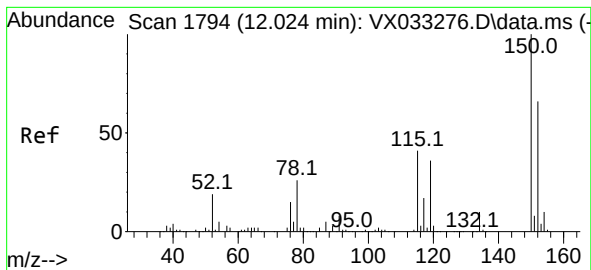
Tgt Ion: 95 Resp: 70788
Ion Ratio Lower Upper
95 100
174 84.0 0.0 164.0
176 80.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033532.D
Acq: 21 Dec 2022 14:19

Tgt Ion: 117 Resp: 186922
Ion Ratio Lower Upper
117 100
82 51.8 44.3 66.5
119 32.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033532.D

Acq: 21 Dec 2022 14:19

Instrument :

MSVOA_X

ClientSampleId :

FS-02-(0-2)

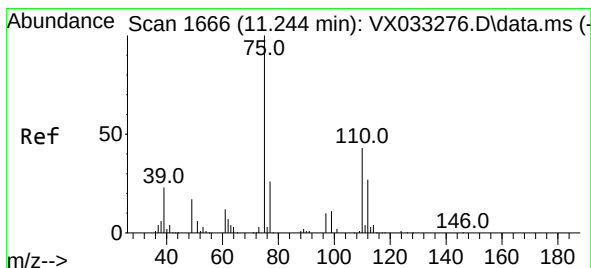
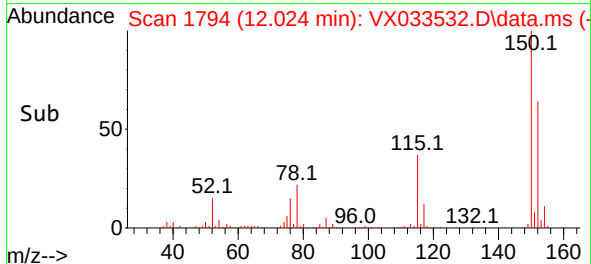
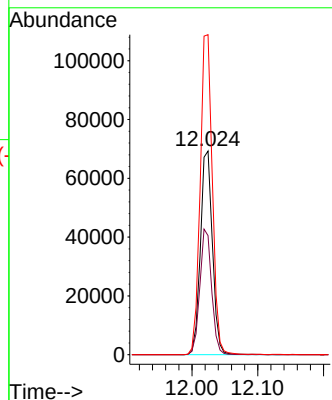
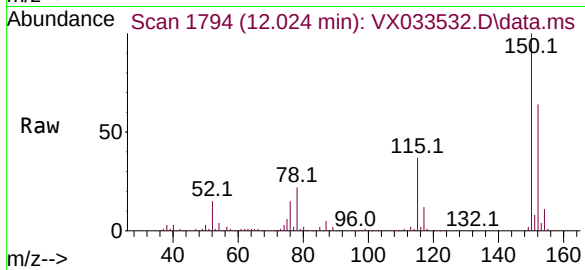
Tgt Ion:152 Resp: 88032

Ion Ratio Lower Upper

152 100

115 60.4 44.0 132.0

150 158.7 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 18.762 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX033532.D

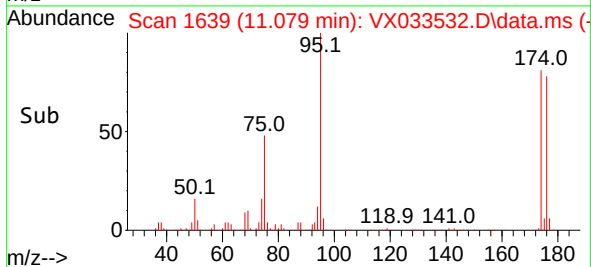
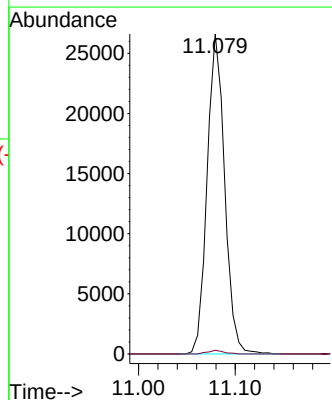
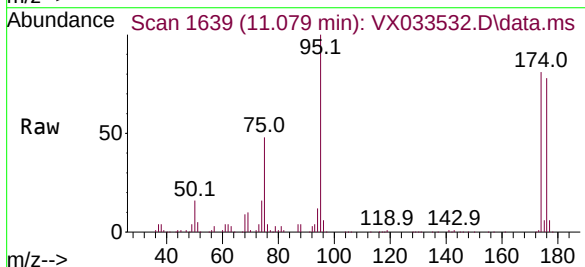
Acq: 21 Dec 2022 14:19

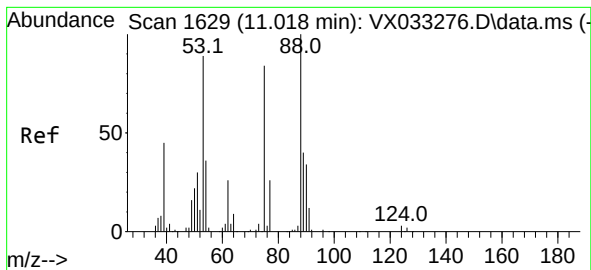
Tgt Ion: 75 Resp: 33603

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.362 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033532.D
 Acq: 21 Dec 2022 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FS-02-(0-2)

Tgt Ion: 75 Resp: 33603
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

