

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025783.D
 Acq On : 14 Dec 2021 17:43
 Operator : JC/MD
 Sample : M4988-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20211207

Quant Time: Dec 15 07:07:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

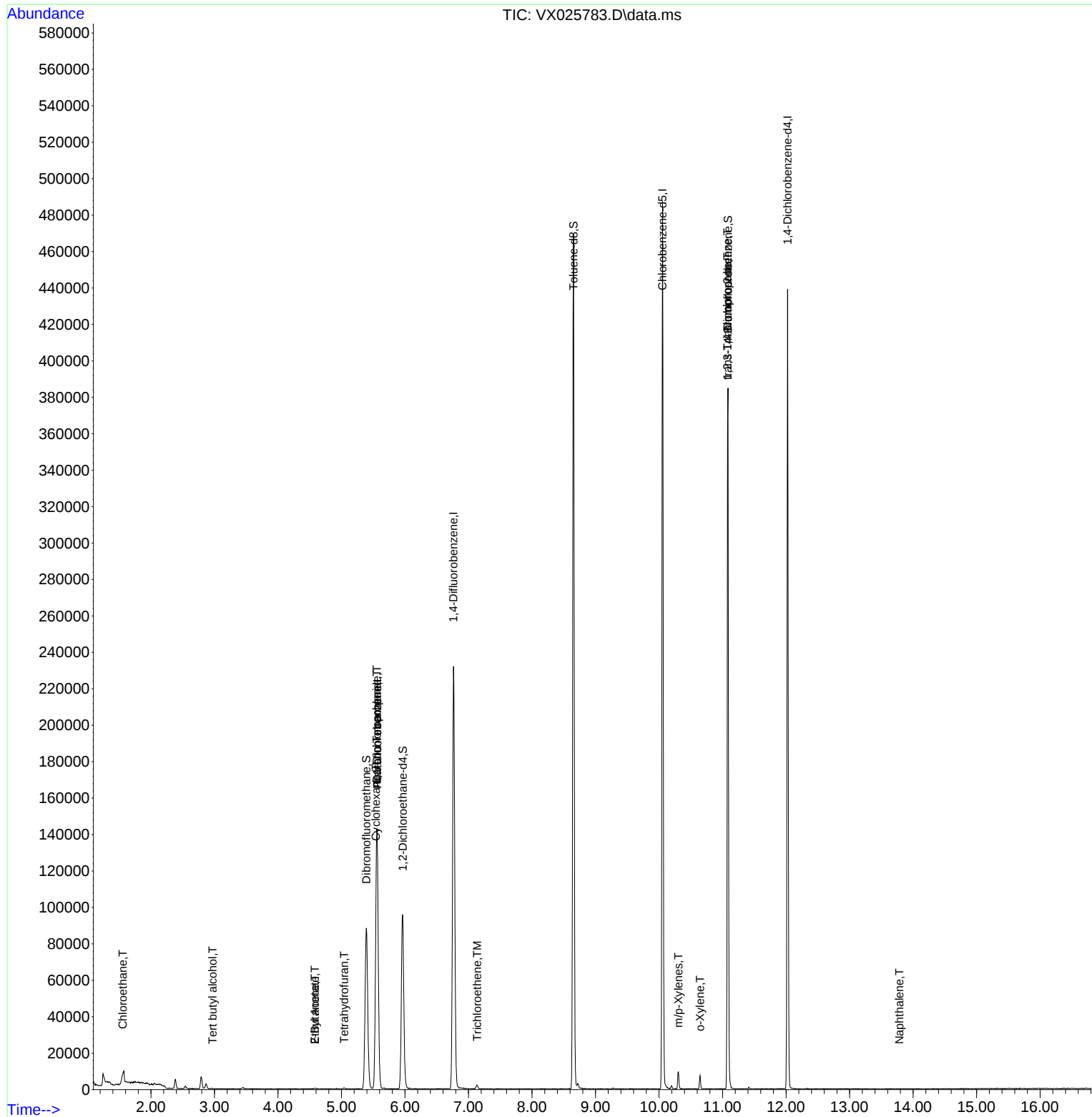
Internal Standards						
1) Pentafluorobenzene	5.562	168	136373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	91408	46.585	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.180%		
35) Dibromofluoromethane	5.391	113	76230	45.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	8.653	98	278476	46.074	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.140%		
62) 4-Bromofluorobenzene	11.085	95	104093	45.338	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.680%		
Target Compounds						Qvalue
6) Chloroethane	1.556	64	1575	1.287	ug/l #	42
11) Tert butyl alcohol	2.971	59	212	0.539	ug/l #	73
16) Acetone	2.380	43	5492	Below Cal		95
20) Methylene Chloride	2.794	84	2881	Below Cal		92
25) 2-Butanone	4.580	43	729	0.552	ug/l	92
29) Tetrahydrofuran	5.044	42	365	0.435	ug/l #	50
31) Cyclohexane	5.544	56	3302	1.384	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	11087	4.928	ug/l #	50
37) Ethyl Acetate	4.580	43	729	0.292	ug/l #	69
38) Carbon Tetrachloride	5.556	117	14058	5.371	ug/l #	17
44) Trichloroethene	7.135	130	959	0.513	ug/l	92
68) m/p-Xylenes	10.305	106	2325	0.793	ug/l	91
69) o-Xylene	10.646	106	1583	0.549	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	54296	26.861	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54296	83.276	ug/l #	10
95) Naphthalene	13.786	128	84	2.425	ug/l #	69

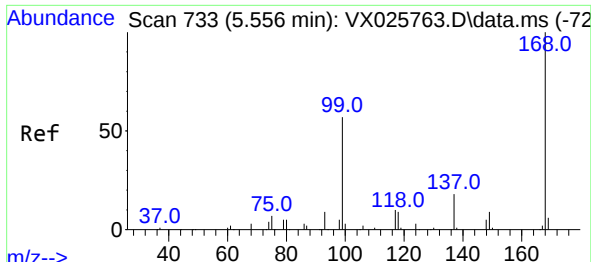
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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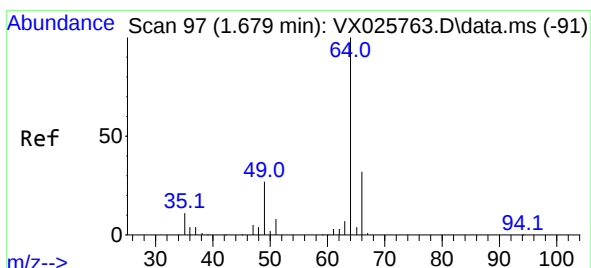
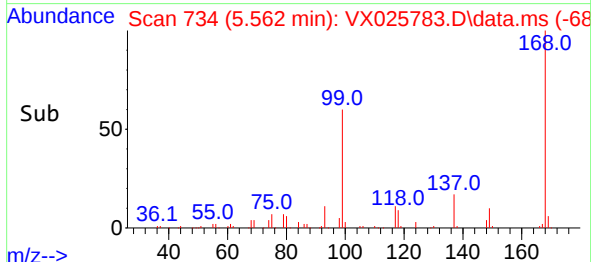
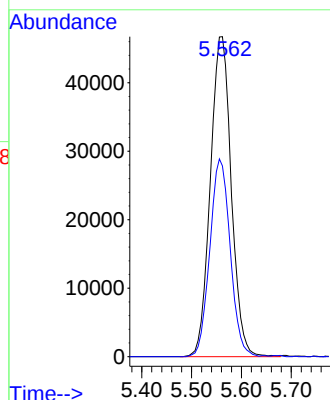
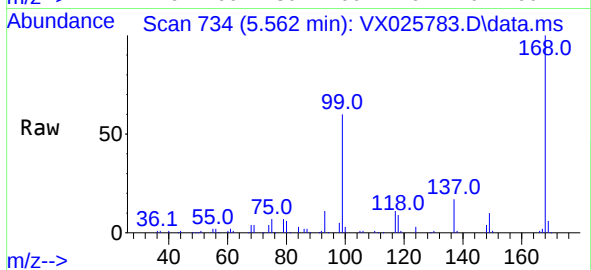




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

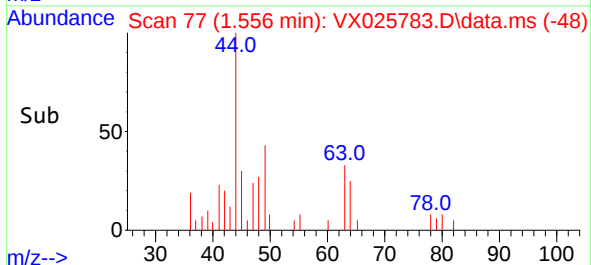
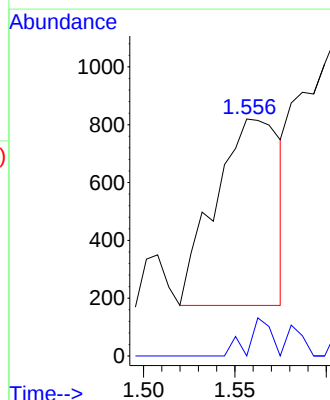
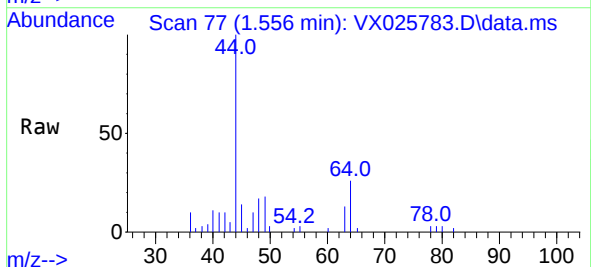
Instrument :
MSVOA_X
ClientSampleId :
FB01-20211207

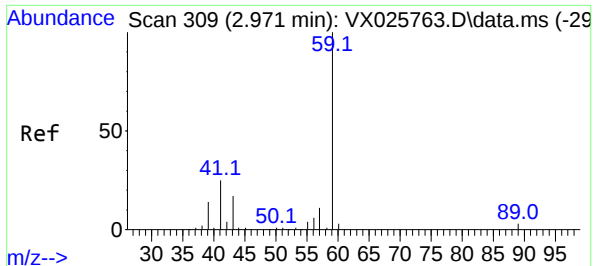
Tgt Ion:168 Resp: 136373
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.8



#6
Chloroethane
Concen: 1.287 ug/l
RT: 1.556 min Scan# 77
Delta R.T. -0.122 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion: 64 Resp: 1575
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.539 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.000 min

Lab File: VX025783.D

Acq: 14 Dec 2021 17:43

Instrument :

MSVOA_X

ClientSampleId :

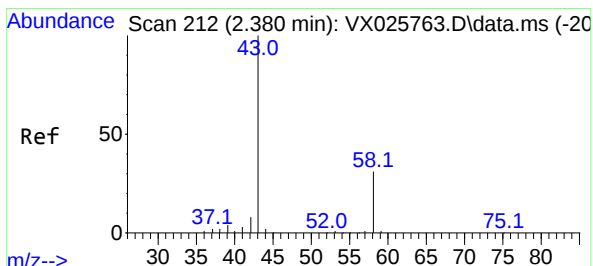
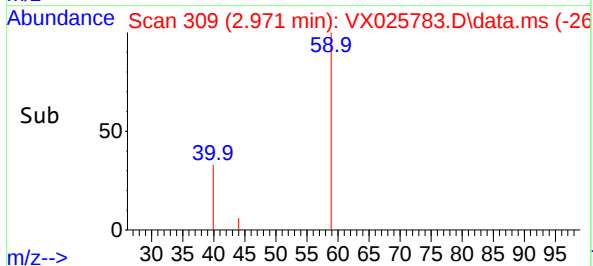
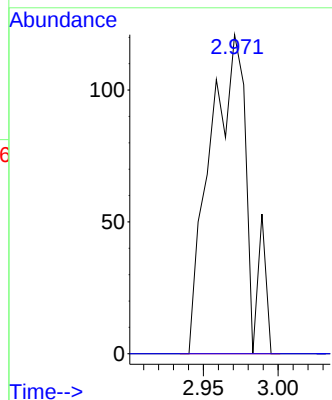
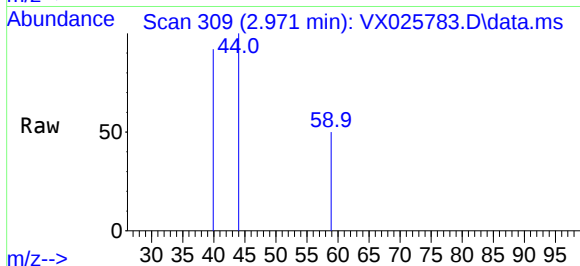
FB01-20211207

Tgt Ion: 59 Resp: 212

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025783.D

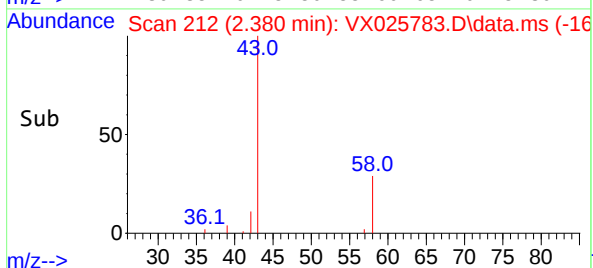
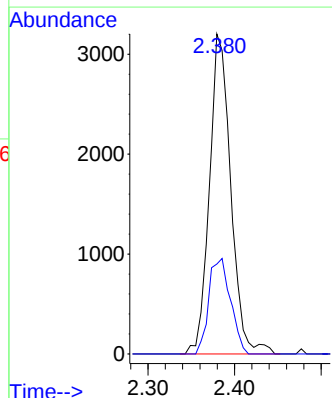
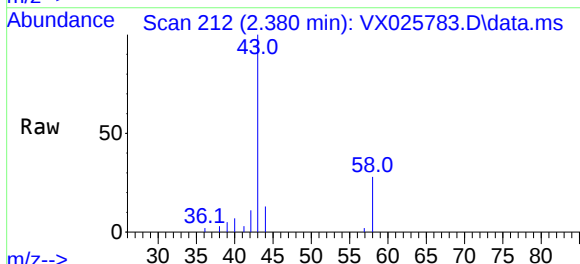
Acq: 14 Dec 2021 17:43

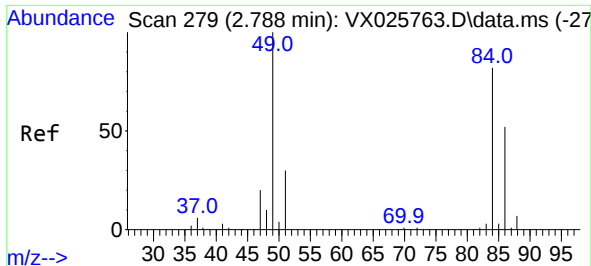
Tgt Ion: 43 Resp: 5492

Ion Ratio Lower Upper

43 100

58 28.1 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025783.D

Acq: 14 Dec 2021 17:43

Instrument :

MSVOA_X

ClientSampleId :

FB01-20211207

Tgt Ion: 84 Resp: 2881

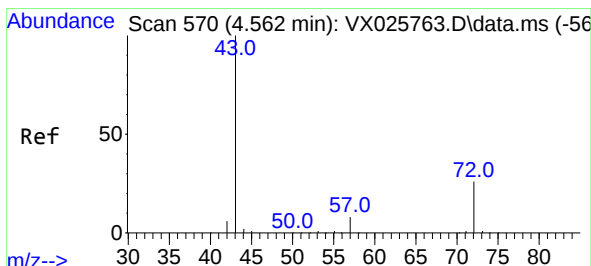
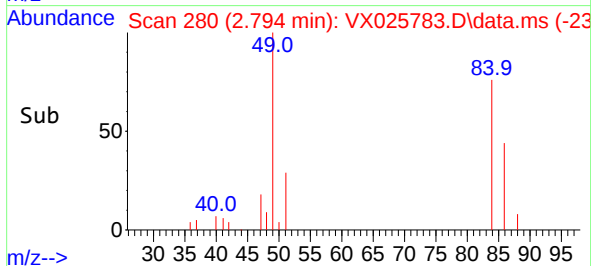
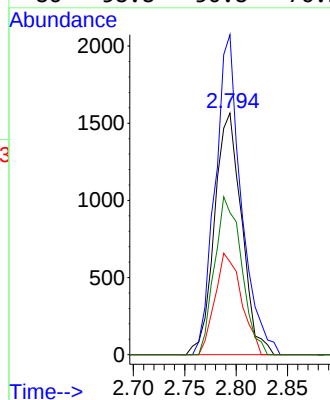
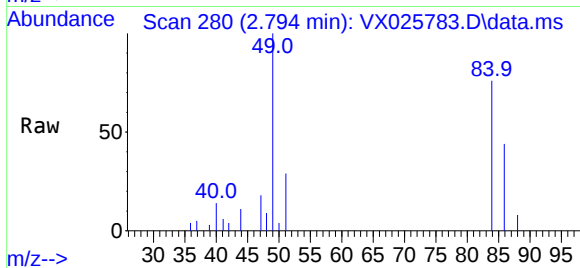
Ion Ratio Lower Upper

84 100

49 132.4 97.1 145.7

51 38.4 29.3 43.9

86 58.8 50.8 76.2



#25

2-Butanone

Concen: 0.552 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX025783.D

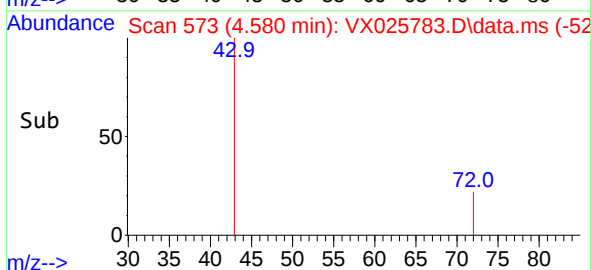
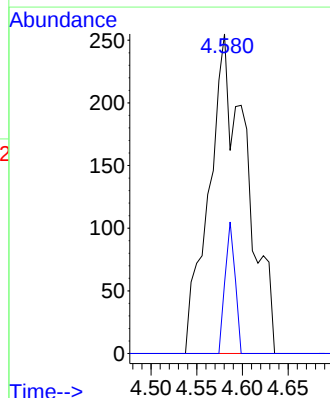
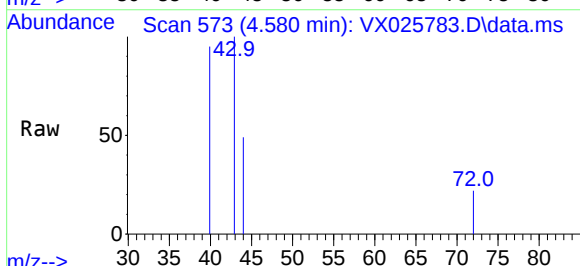
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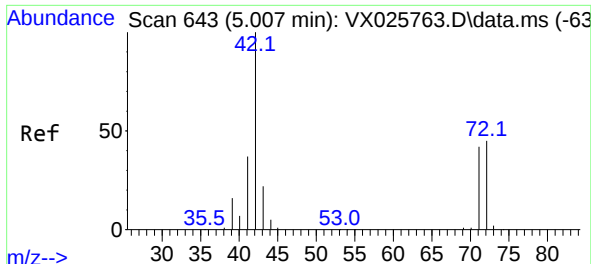
Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

72 22.0 21.0 31.4





#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.036 min

Lab File: VX025783.D

Acq: 14 Dec 2021 17:43

Instrument :

MSVOA_X

ClientSampleId :

FB01-20211207

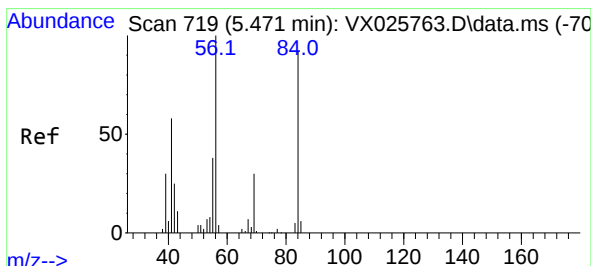
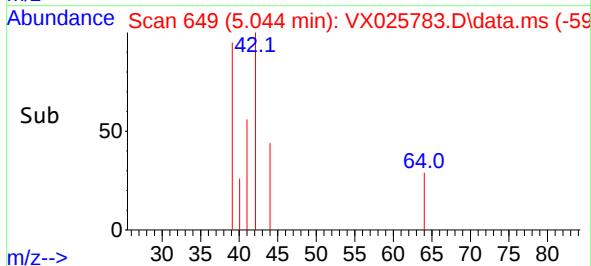
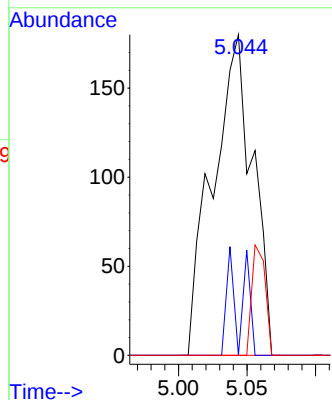
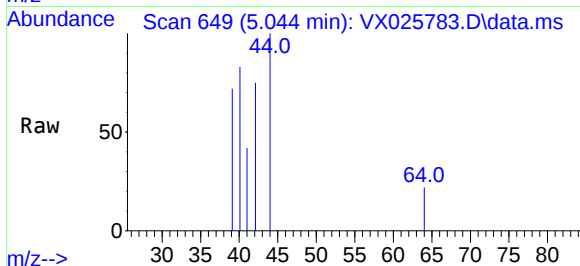
Tgt Ion: 42 Resp: 365

Ion Ratio Lower Upper

42 100

72 12.1 37.0 55.6#

71 11.5 34.1 51.1#



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX025783.D

Acq: 14 Dec 2021 17:43

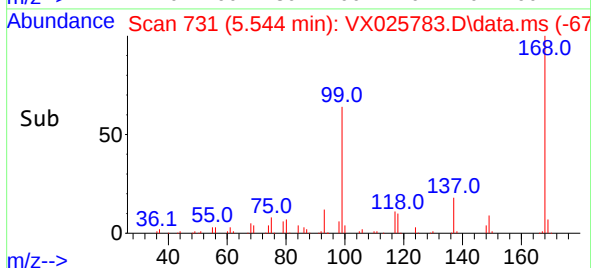
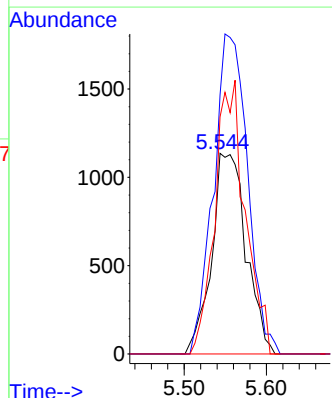
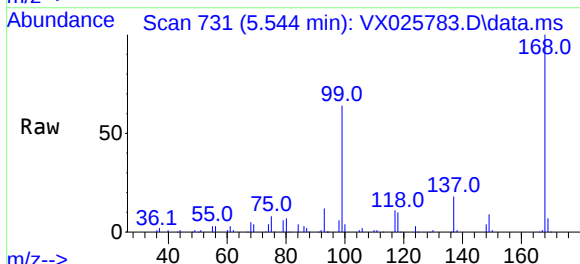
Tgt Ion: 56 Resp: 3302

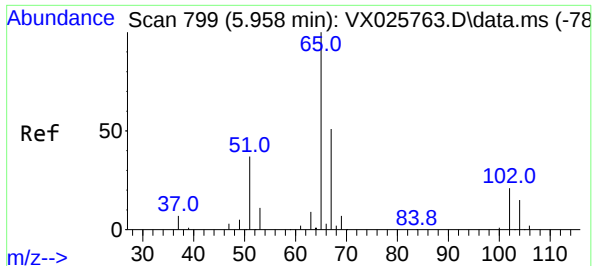
Ion Ratio Lower Upper

56 100

69 129.0 23.9 35.9#

84 118.1 73.2 109.8#

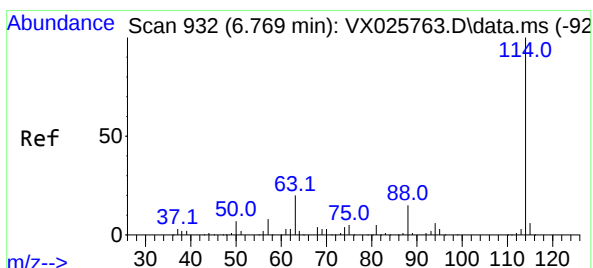
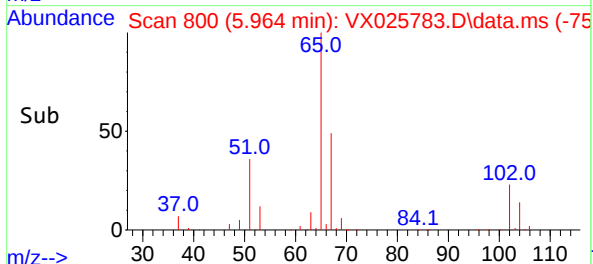
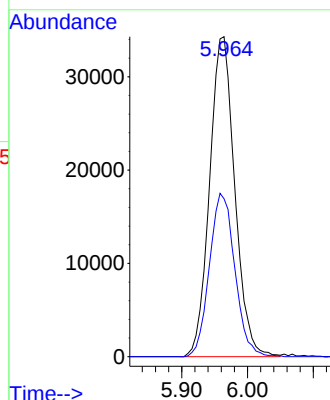
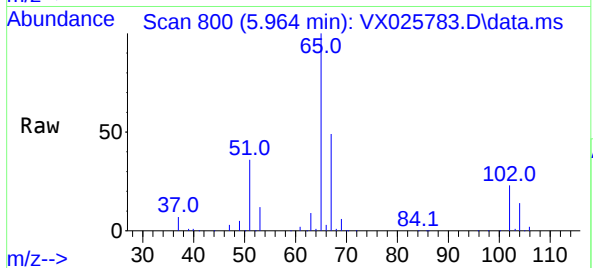




#33
1,2-Dichloroethane-d4
Concen: 46.585 ug/l
RT: 5.964 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

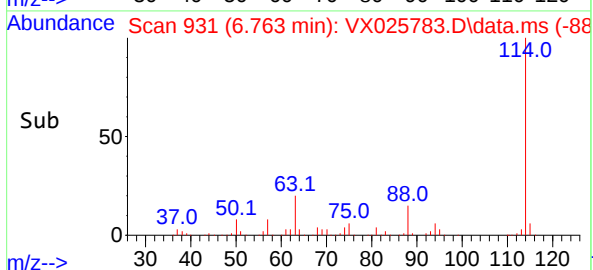
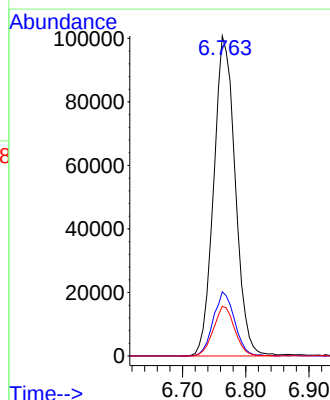
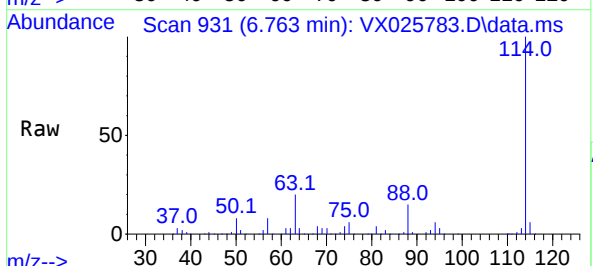
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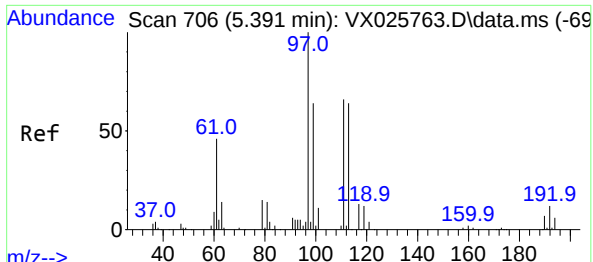
Tgt Ion: 65 Resp: 91408
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion: 114 Resp: 237861
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.5 0.0 30.6

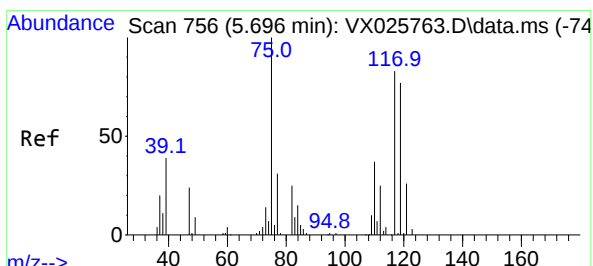
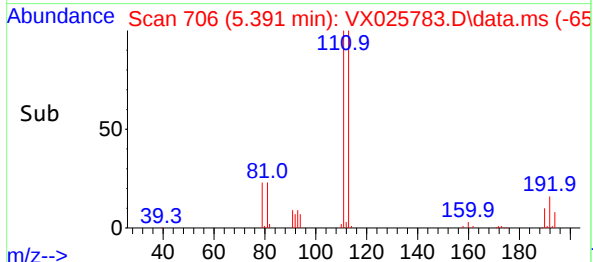
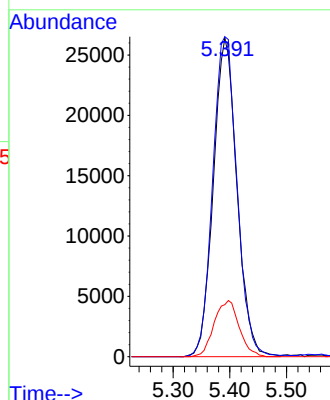
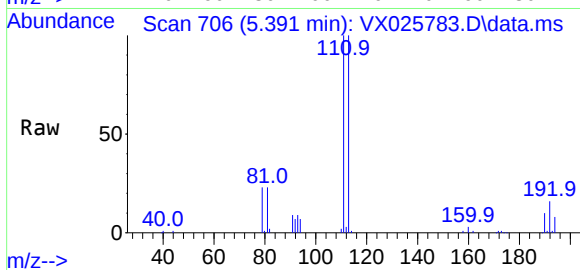




#35
Dibromofluoromethane
Concen: 45.953 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

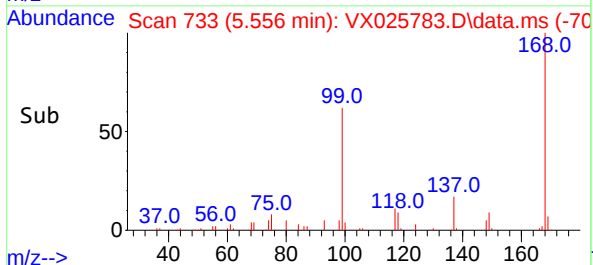
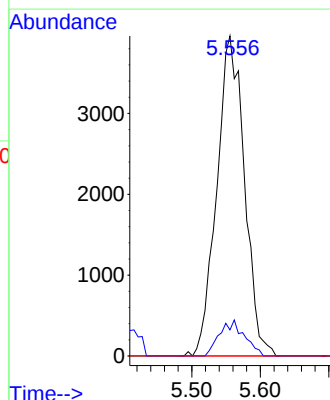
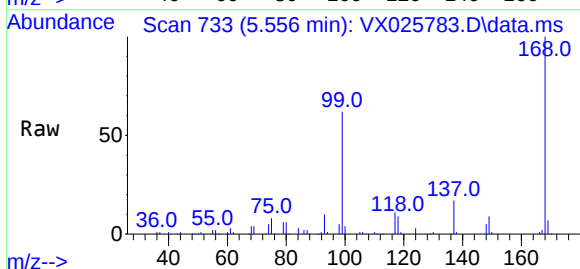
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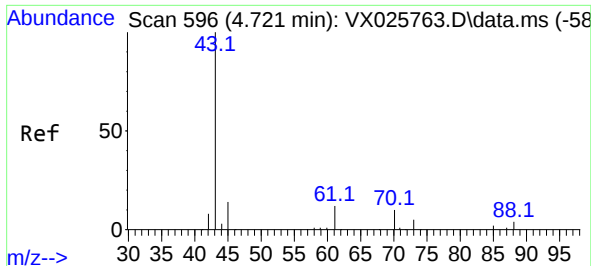
Tgt Ion:	113	Resp:	76230
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	18.6	15.0	22.4



#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion:	75	Resp:	11087
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.2	54.6#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 0.292 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX025783.D

Acq: 14 Dec 2021 17:43

Instrument :

MSVOA_X

ClientSampleId :

FB01-20211207

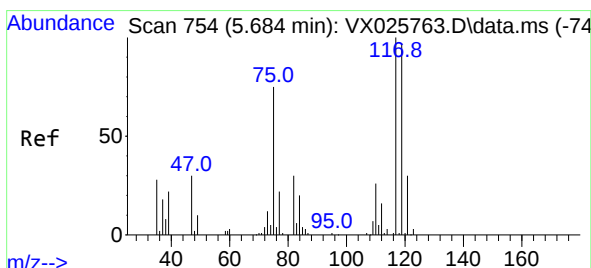
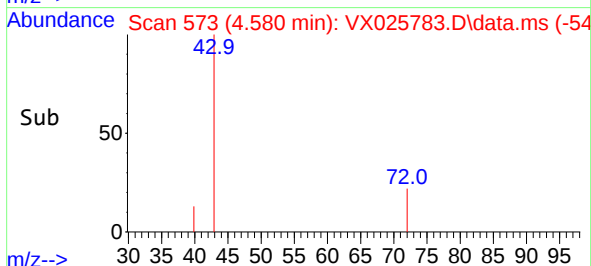
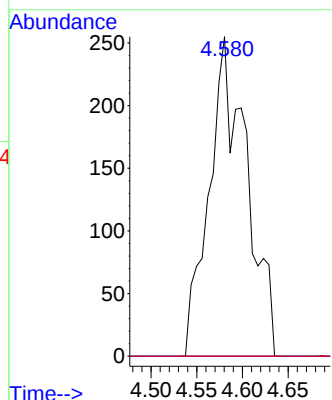
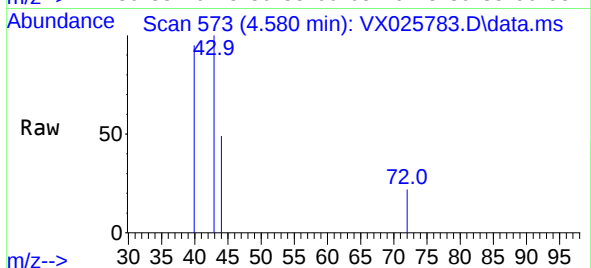
Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.371 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX025783.D

Acq: 14 Dec 2021 17:43

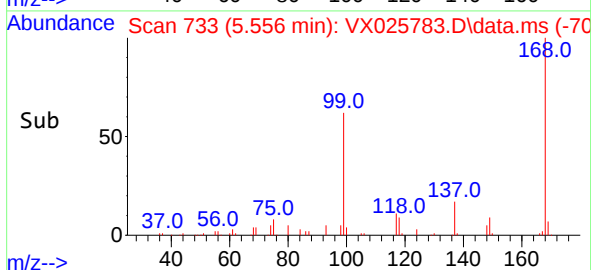
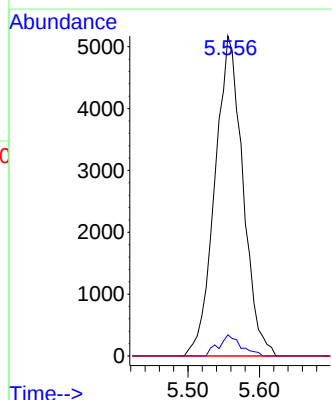
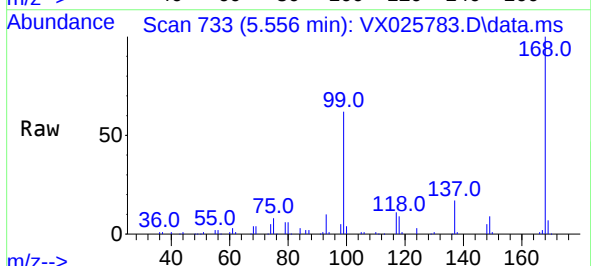
Tgt Ion: 117 Resp: 14058

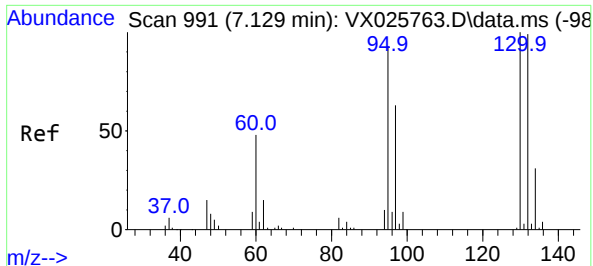
Ion Ratio Lower Upper

117 100

119 6.6 77.2 115.8#

121 0.0 23.8 35.8#

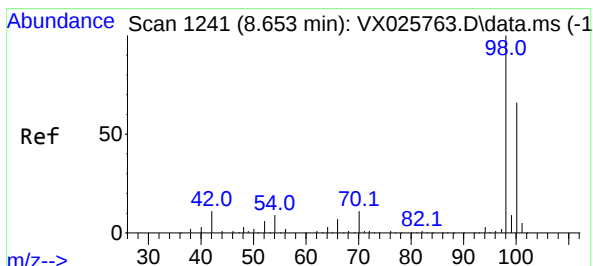
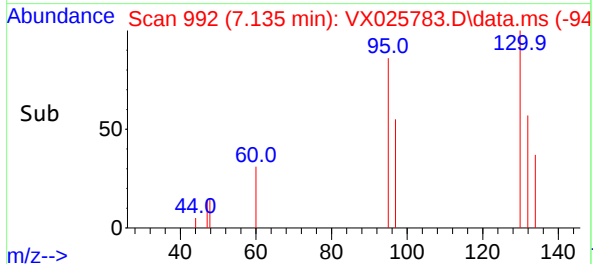
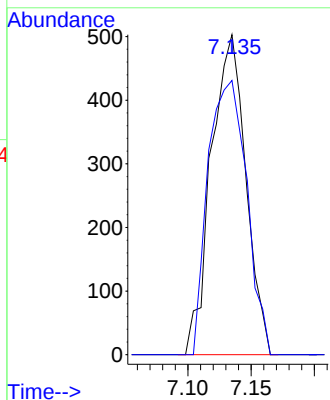
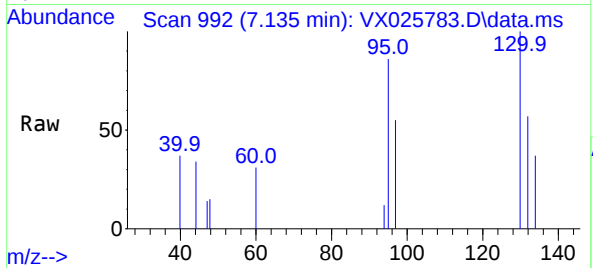




#44
Trichloroethene
Concen: 0.513 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

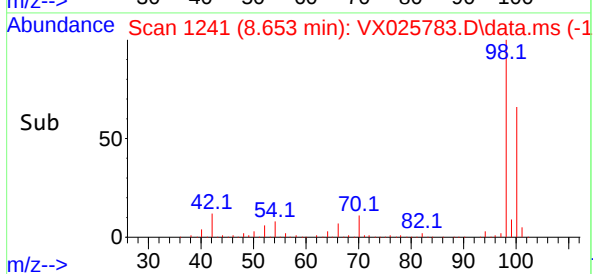
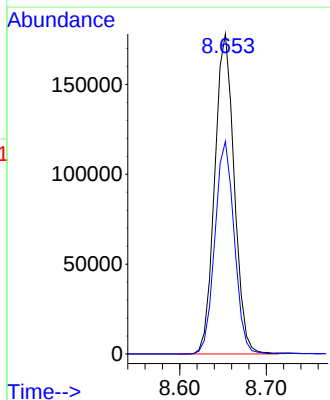
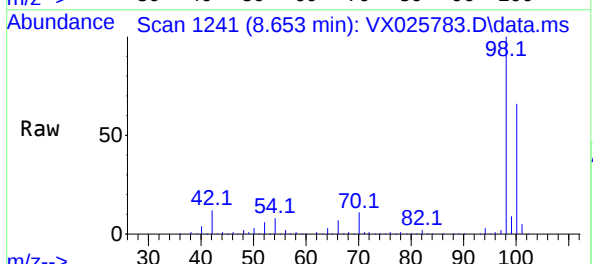
Instrument :
MSVOA_X
ClientSampleId :
FB01-20211207

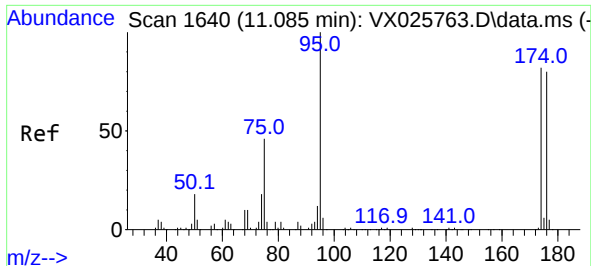
Tgt Ion:130 Resp: 959
Ion Ratio Lower Upper
130 100
95 85.7 0.0 186.4



#50
Toluene-d8
Concen: 46.074 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion: 98 Resp: 278476
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

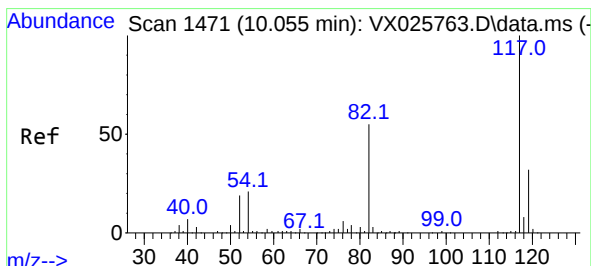
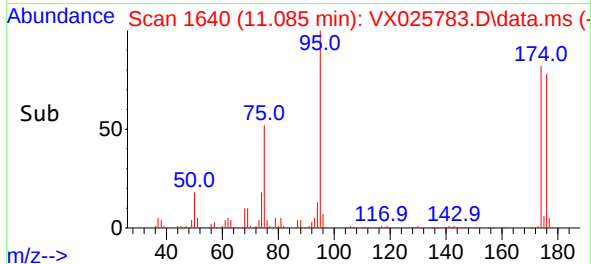
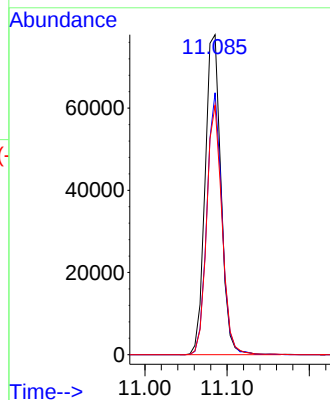
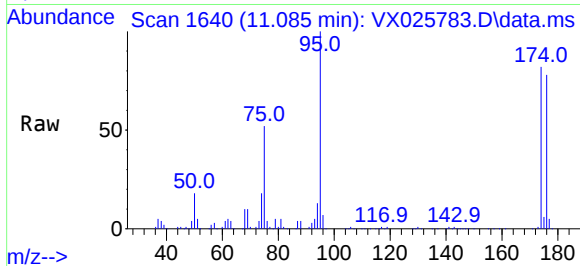




#62
4-Bromofluorobenzene
Concen: 45.338 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

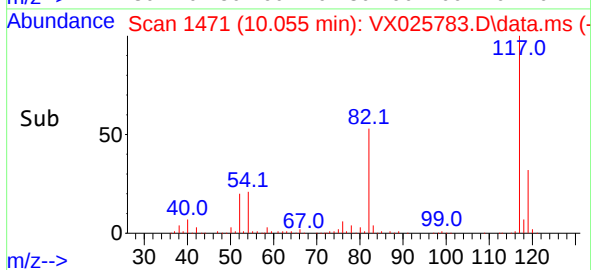
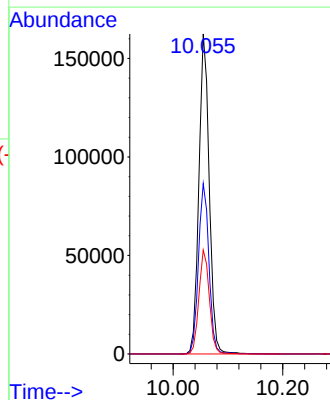
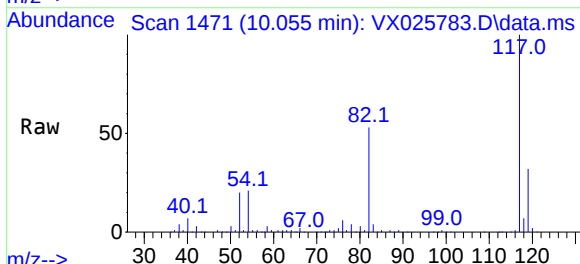
Instrument :
MSVOA_X
ClientSampleId :
FB01-20211207

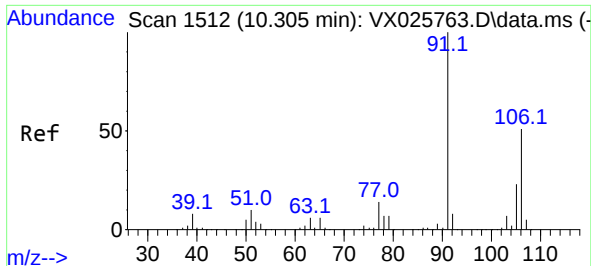
Tgt Ion: 95 Resp: 104093
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.4
176 75.6 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion: 117 Resp: 213832
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.6
119 32.5 25.2 37.8

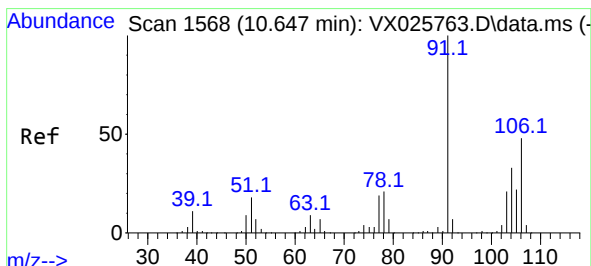
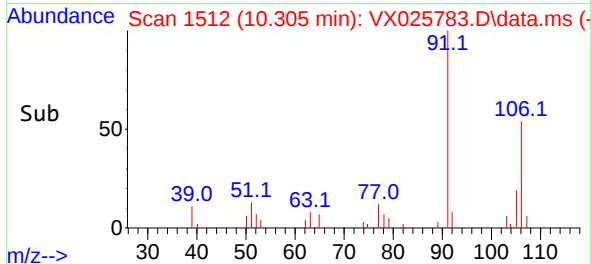
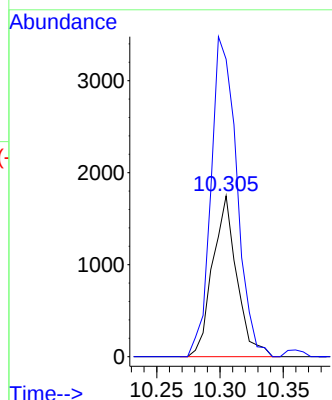
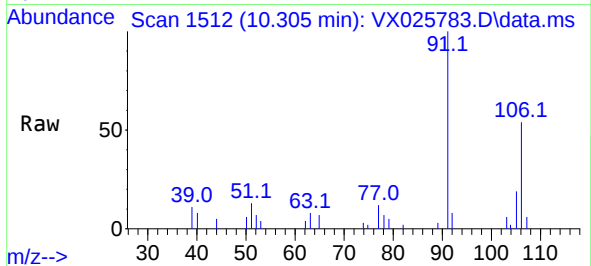




#68
m/p-Xylenes
Concen: 0.793 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

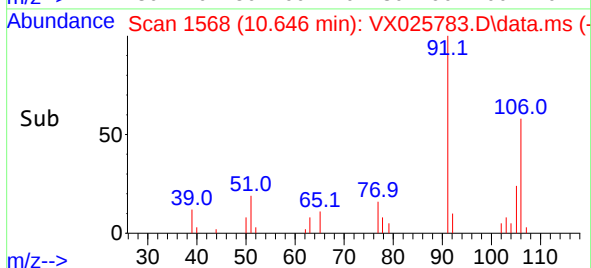
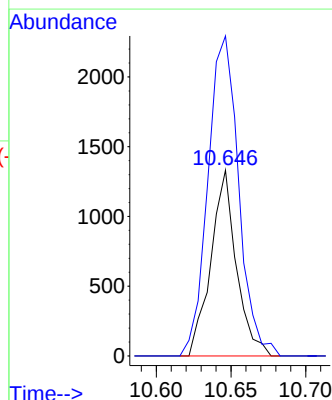
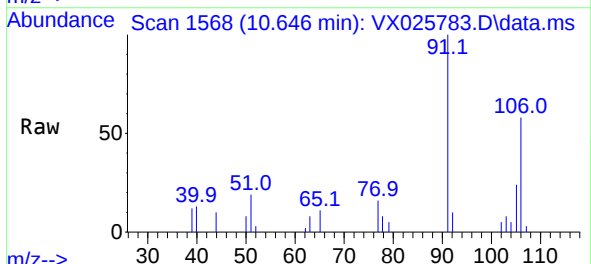
Instrument :
MSVOA_X
ClientSampleId :
FB01-20211207

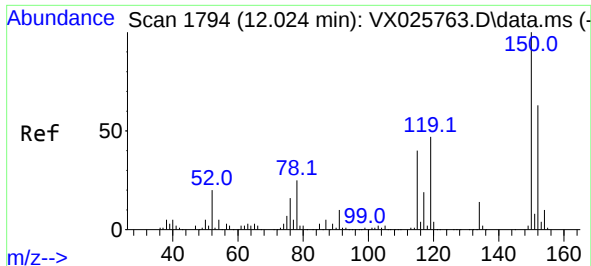
Tgt Ion:106 Resp: 2325
Ion Ratio Lower Upper
106 100
91 211.8 158.6 238.0



#69
o-Xylene
Concen: 0.549 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion:106 Resp: 1583
Ion Ratio Lower Upper
106 100
91 207.1 105.5 316.4

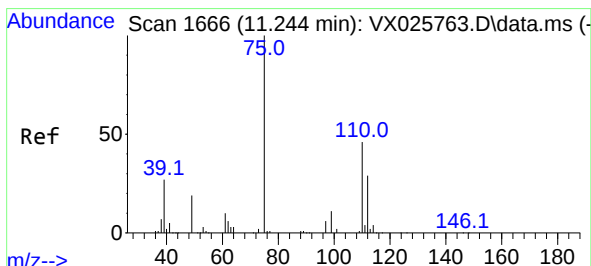
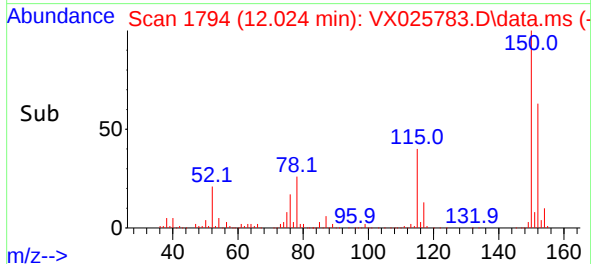
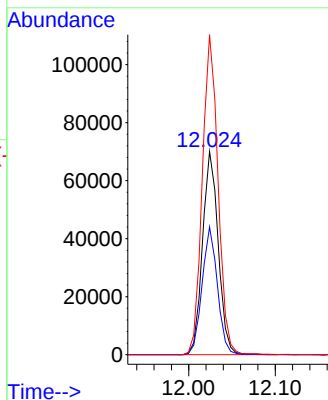
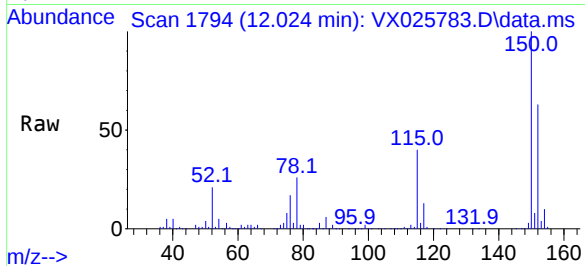




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

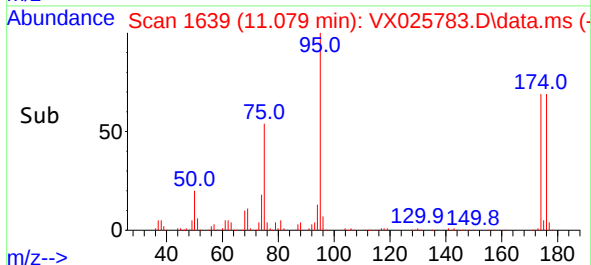
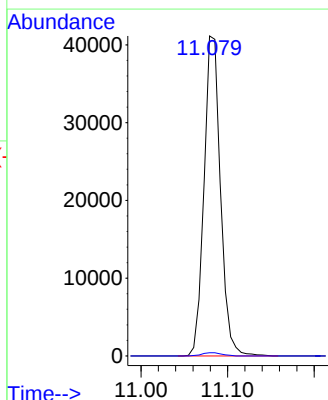
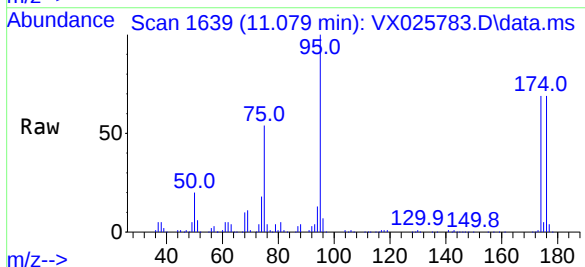
Instrument :
MSVOA_X
ClientSampleId :
FB01-20211207

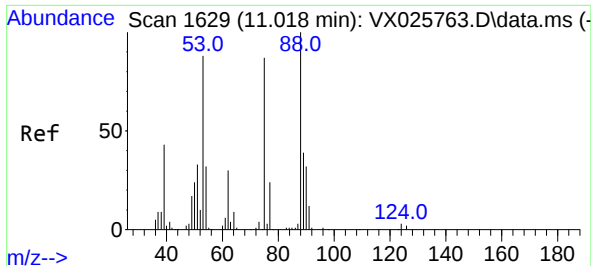
Tgt Ion:152 Resp: 88224
Ion Ratio Lower Upper
152 100
115 61.4 41.3 123.9
150 157.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 26.861 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion: 75 Resp: 54296
Ion Ratio Lower Upper
75 100
77 1.3 19.0 57.0#

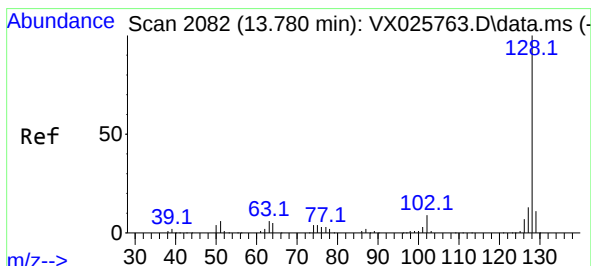
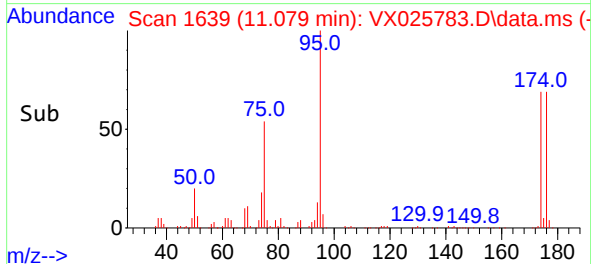
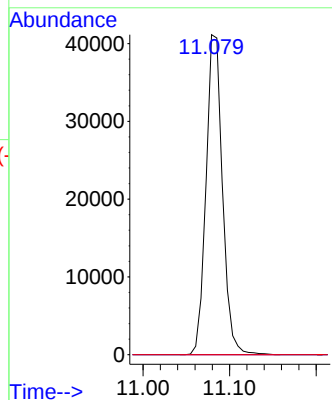
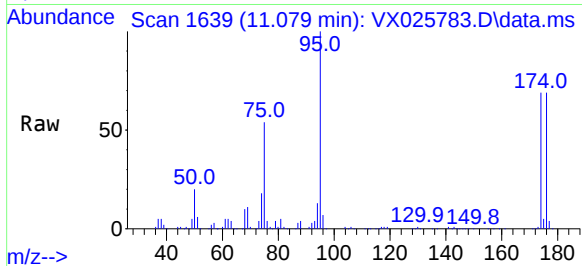




#81
trans-1,4-Dichloro-2-butene
Concen: 83.276 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Instrument :
MSVOA_X
ClientSampleId :
FB01-20211207

Tgt Ion: 75 Resp: 54296
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 2.425 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025783.D
Acq: 14 Dec 2021 17:43

Tgt Ion: 128 Resp: 84
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

