

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029629.D
 Acq On : 20 Jun 2022 17:36
 Operator : JC/MD
 Sample : N3166-28
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20220531

Quant Time: Jun 21 01:52:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	256551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	431394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	377300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164656	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148435	43.708	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.420%
35) Dibromofluoromethane	5.391	113	128715	45.784	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.560%
50) Toluene-d8	8.653	98	490068	47.717	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.440%
62) 4-Bromofluorobenzene	11.079	95	176222	45.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.000%

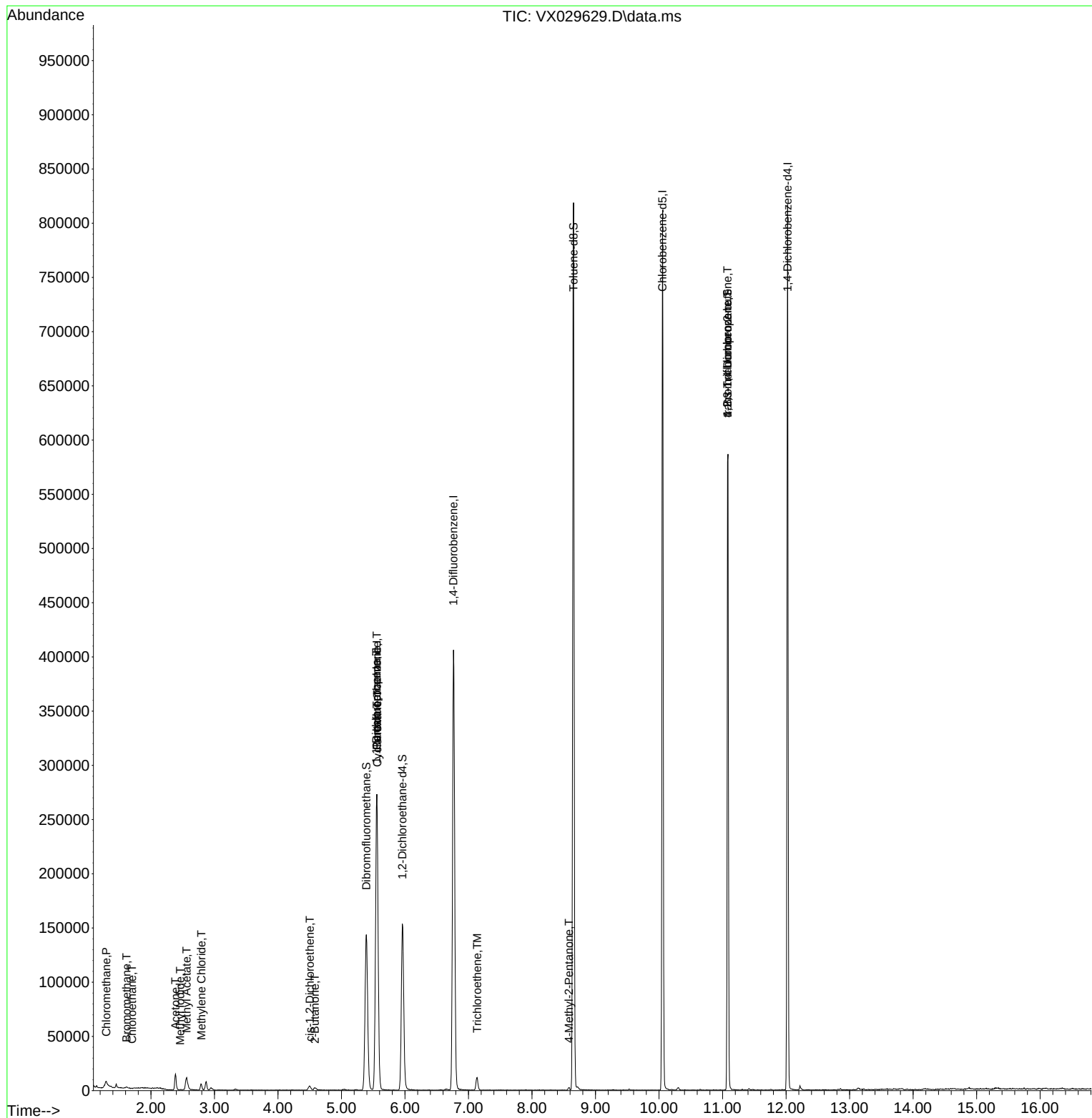
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.294	50	981	0.293	ug/l	89
5) Bromomethane	1.618	94	559	0.356	ug/l #	69
6) Chloroethane	1.703	64	79	1.325	ug/l #	43
10) Methyl Iodide	2.459	142	342	3.122	ug/l #	89
11) Tert butyl alcohol	2.947	59	1615	Below Cal	#	72
16) Acetone	2.386	43	15482	11.437	ug/l	91
18) Methyl Acetate	2.563	43	4653	1.300	ug/l #	46
20) Methylene Chloride	2.794	84	2697	0.895	ug/l #	89
25) 2-Butanone	4.580	43	3488	1.630	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	2754	0.830	ug/l	85
31) Cyclohexane	5.562	56	4756	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19271	5.065	ug/l #	46
38) Carbon Tetrachloride	5.556	117	26766	7.153	ug/l #	16
44) Trichloroethene	7.135	130	4747	0.364	ug/l	84
51) 4-Methyl-2-Pentanone	8.580	43	1608	0.411	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	86414	24.091	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	86414	80.144	ug/l #	15

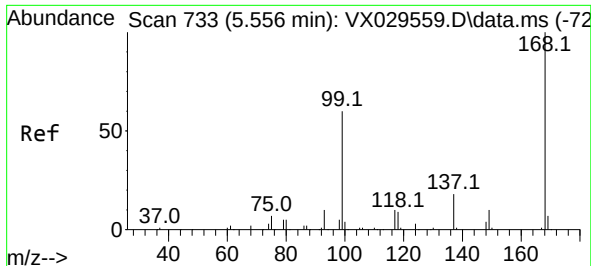
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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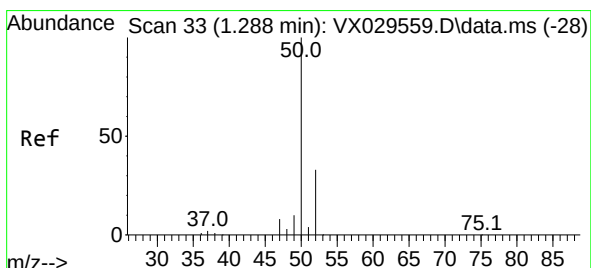
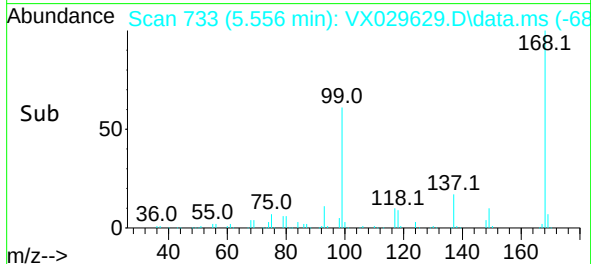
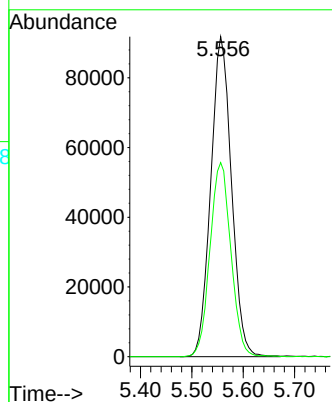
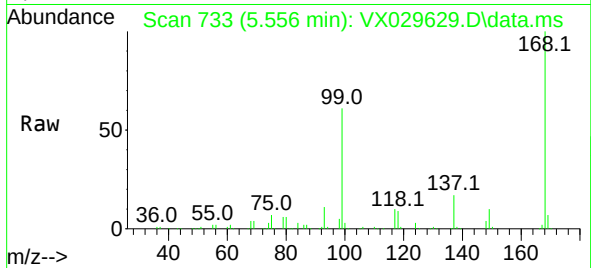




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

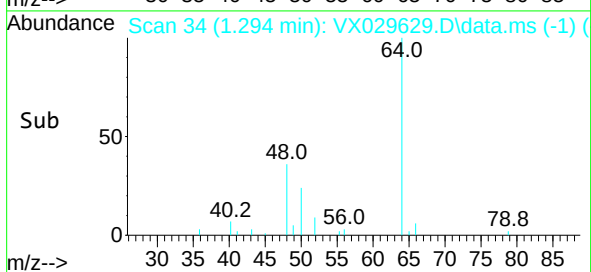
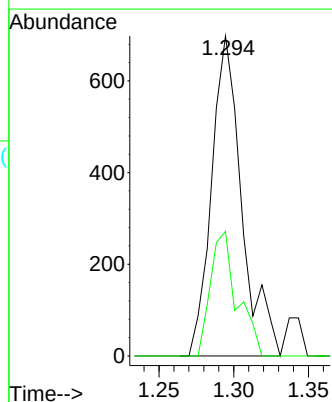
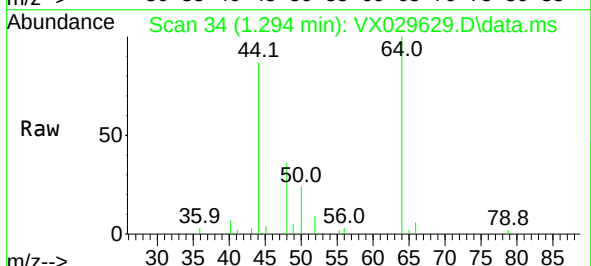
Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

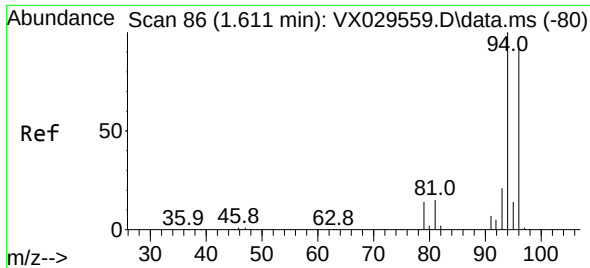
Tgt Ion:168 Resp: 256551
Ion Ratio Lower Upper
168 100
99 60.6 41.7 62.5



#3
Chloromethane
Concen: 0.293 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion: 50 Resp: 981
Ion Ratio Lower Upper
50 100
52 39.0 26.4 39.6

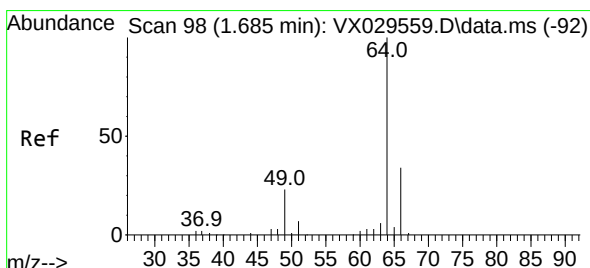
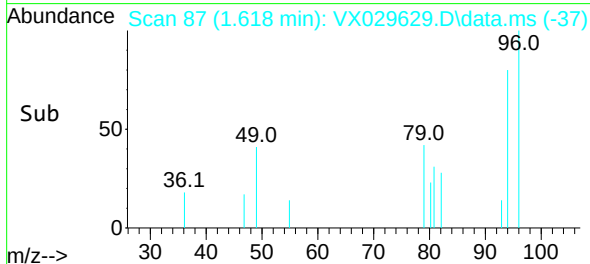
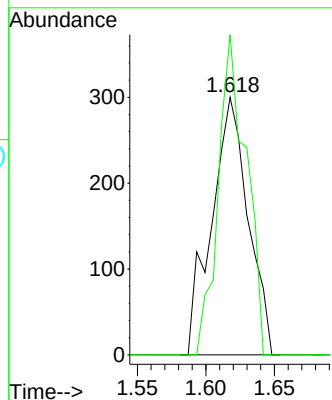
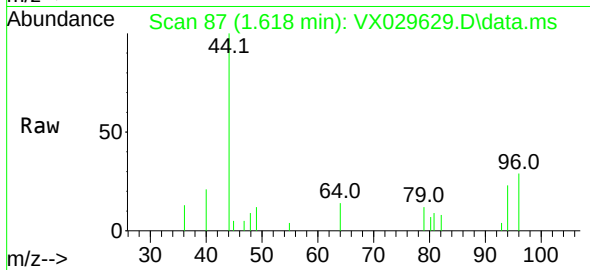




#5
Bromomethane
Concen: 0.356 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

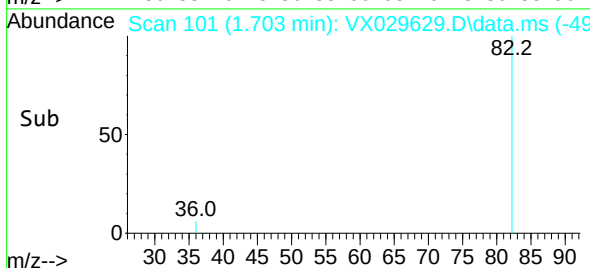
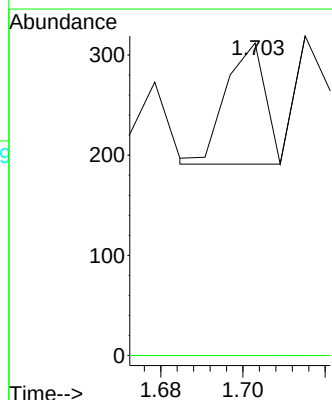
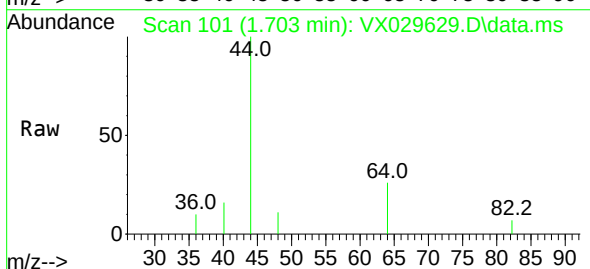
Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

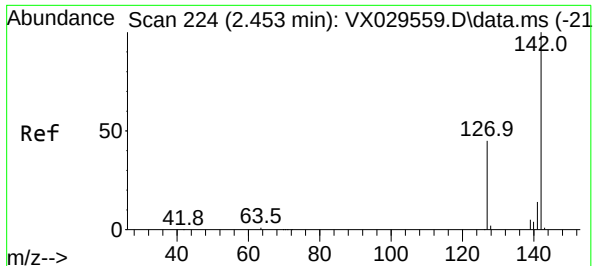
Tgt Ion: 94 Resp: 559
Ion Ratio Lower Upper
94 100
96 124.3 75.3 112.9#



#6
Chloroethane
Concen: 1.325 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

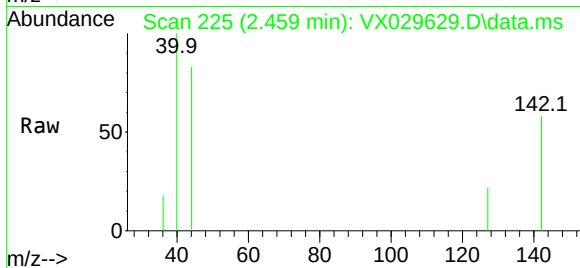
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



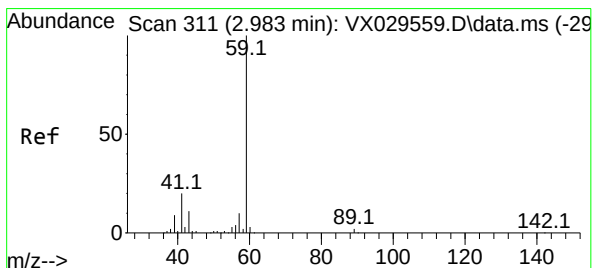
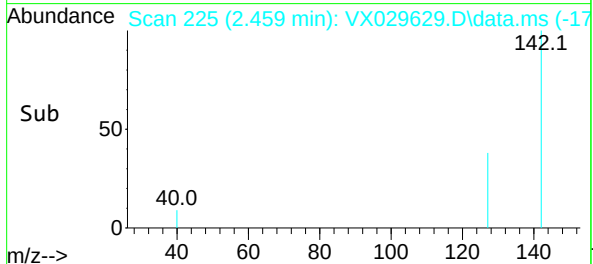
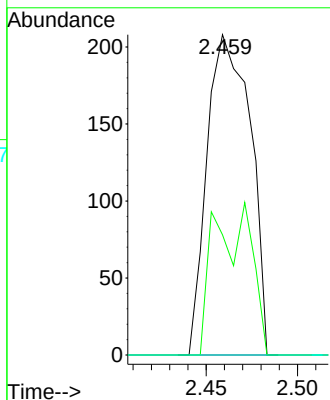


#10
Methyl Iodide
Concen: 3.122 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

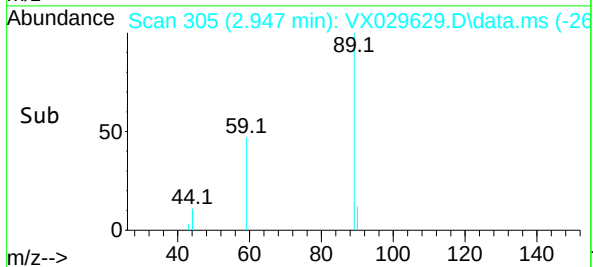
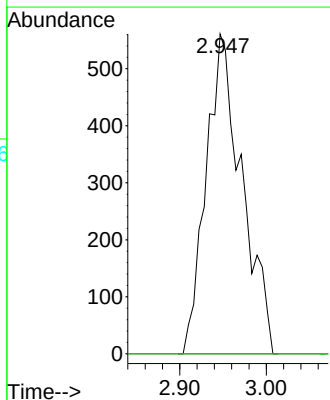
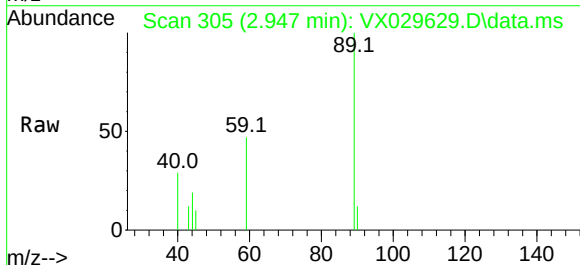


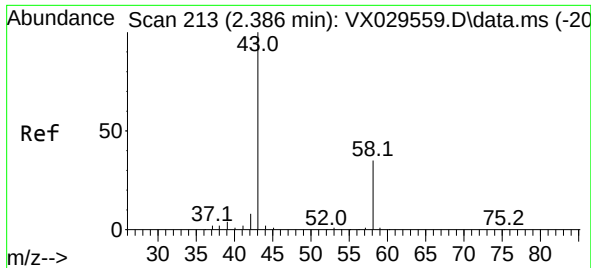
Tgt Ion:142 Resp: 342
Ion Ratio Lower Upper
142 100
127 40.9 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion: 59 Resp: 1615
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

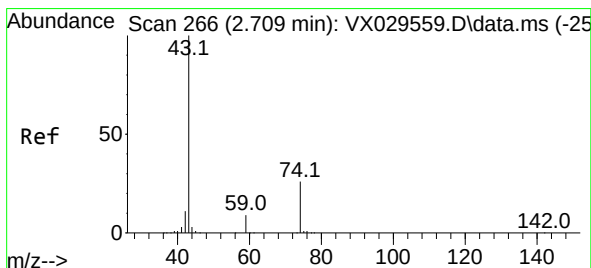
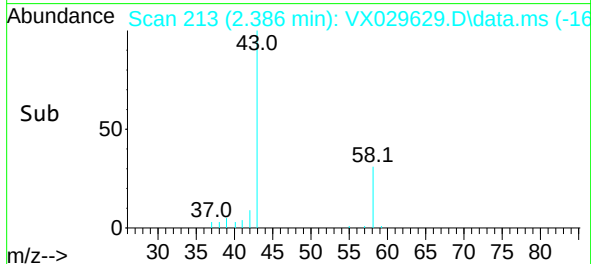
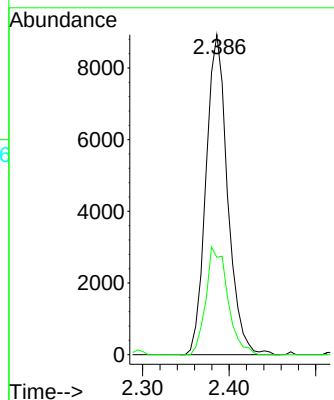
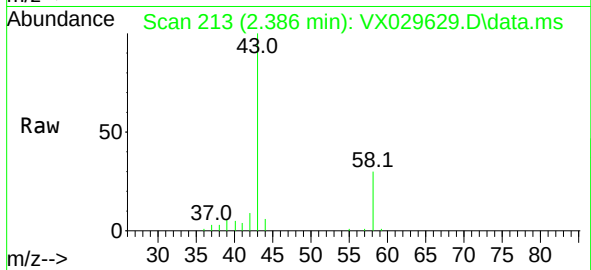




#16
 Acetone
 Concen: 11.437 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX029629.D
 Acq: 20 Jun 2022 17:36

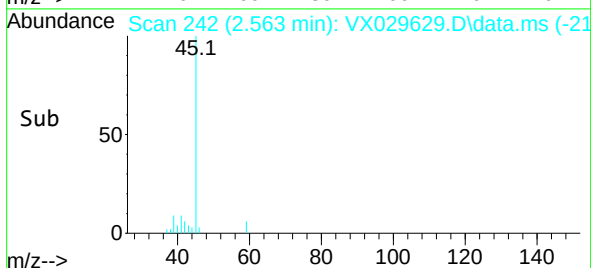
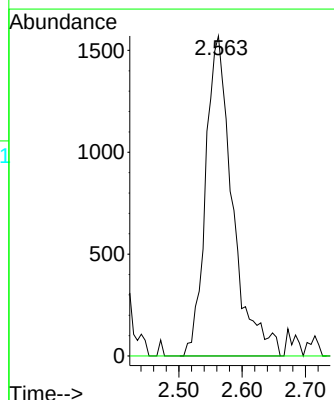
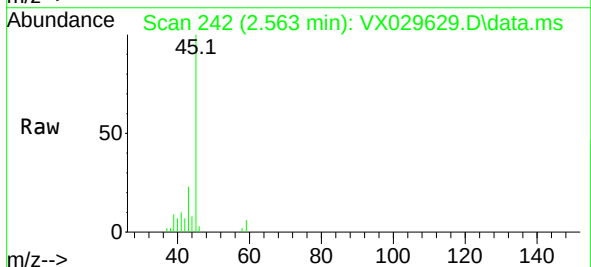
Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20220531

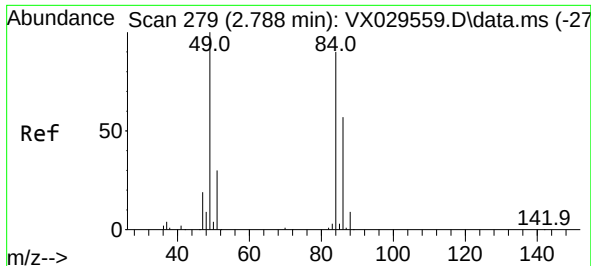
Tgt Ion: 43 Resp: 15482
 Ion Ratio Lower Upper
 43 100
 58 30.4 28.8 43.2



#18
 Methyl Acetate
 Concen: 1.300 ug/l
 RT: 2.563 min Scan# 242
 Delta R.T. -0.146 min
 Lab File: VX029629.D
 Acq: 20 Jun 2022 17:36

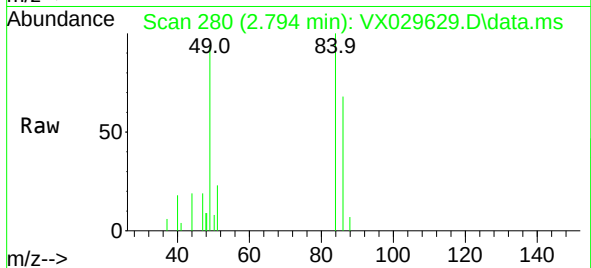
Tgt Ion: 43 Resp: 4653
 Ion Ratio Lower Upper
 43 100
 74 0.0 22.8 34.2#



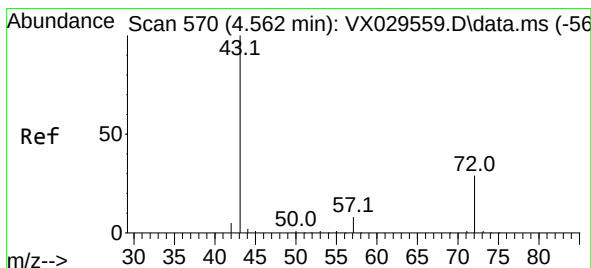
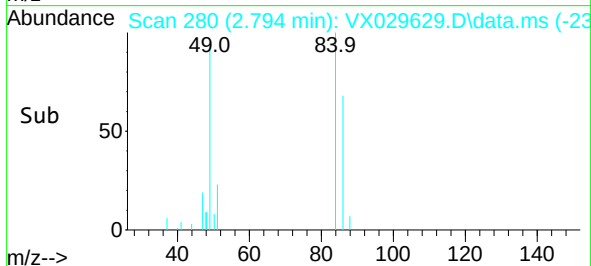
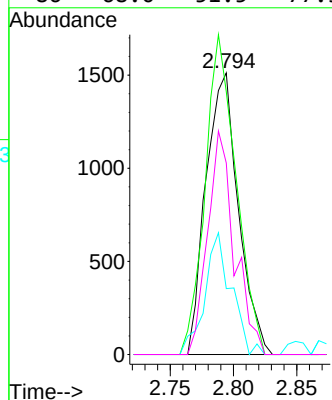


#20
Methylene Chloride
Concen: 0.895 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

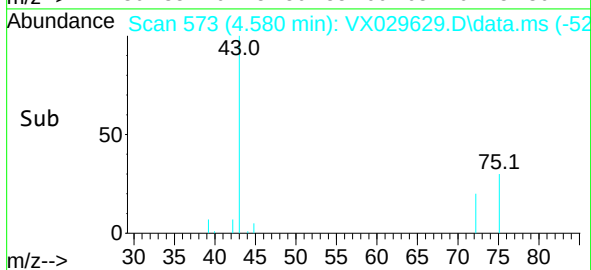
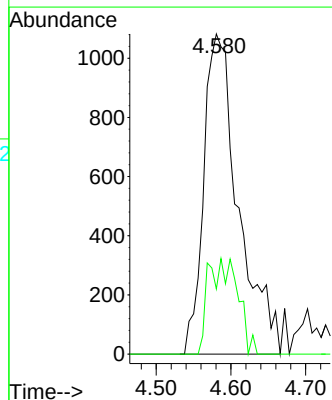
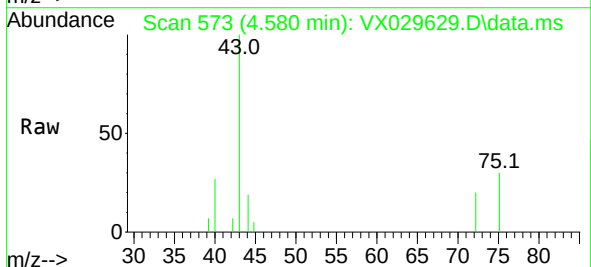


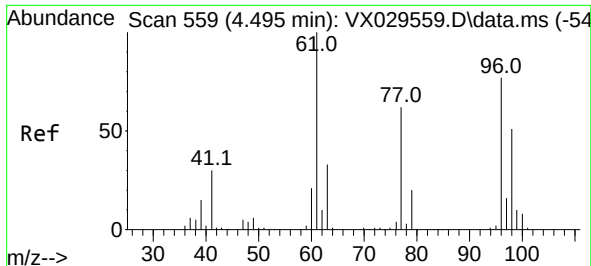
Tgt Ion: 84	Resp: 2697
Ion Ratio	Lower Upper
84 100	
49 93.3	85.5 128.3
51 23.4	26.6 39.8#
86 68.0	51.5 77.3



#25
2-Butanone
Concen: 1.630 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion: 43	Resp: 3488		
Ion Ratio	Lower	Upper	
43 100			
72 20.3	24.4	36.6#	

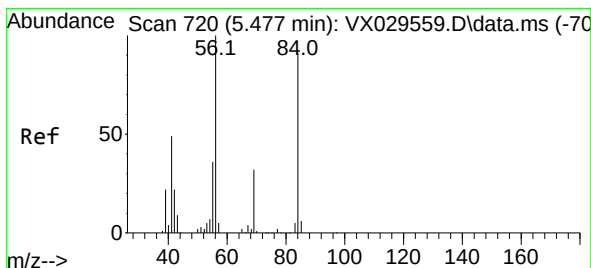
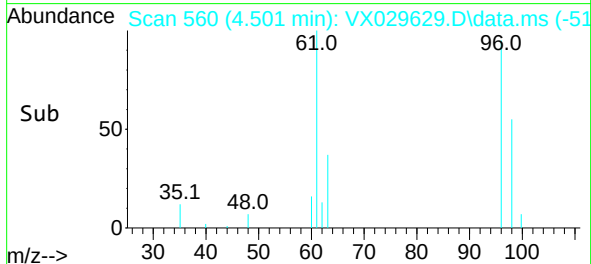
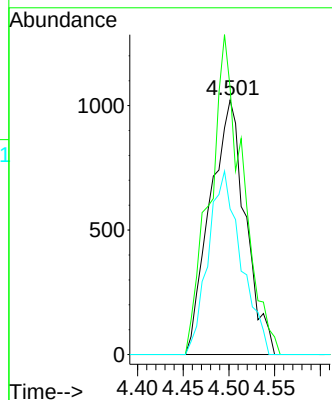
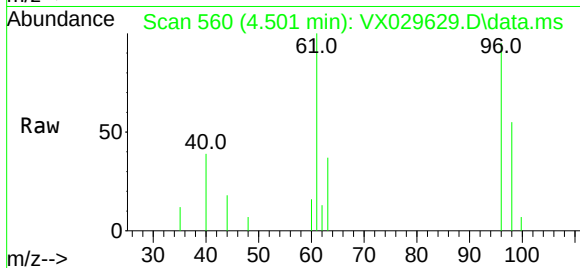




#27
cis-1,2-Dichloroethene
Concen: 0.830 ug/l
RT: 4.501 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

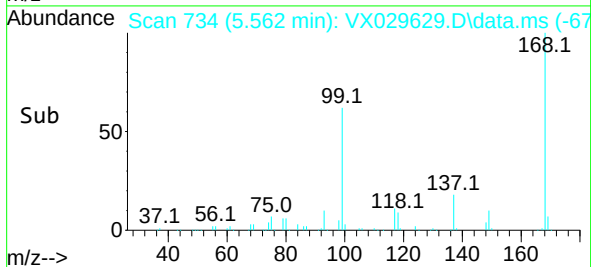
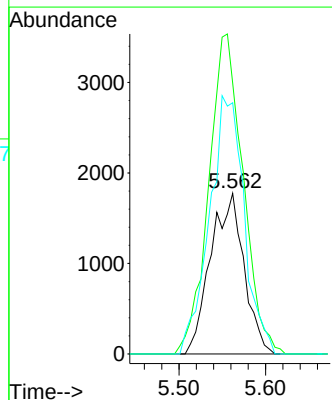
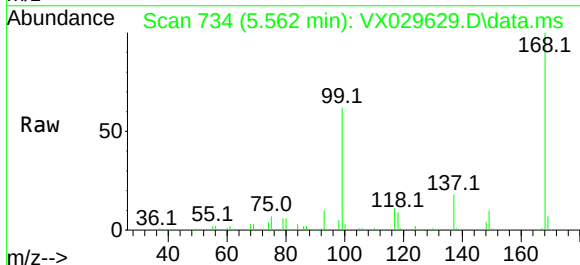
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FB01-20220531

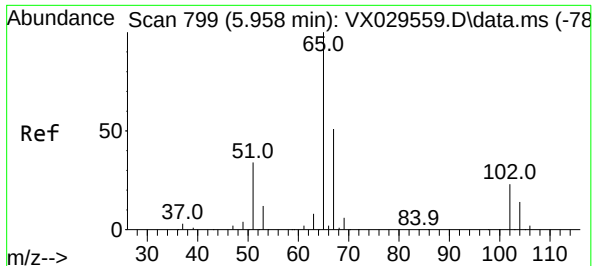
Tgt Ion: 96 Resp: 2754
Ion Ratio Lower Upper
96 100
61 117.3 0.0 283.8
98 67.0 0.0 129.8



#31
Cyclohexane
Concen: 1.043 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion: 56 Resp: 4756
Ion Ratio Lower Upper
56 100
69 165.4 26.7 40.1#
84 156.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.708 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029629.D

Acq: 20 Jun 2022 17:36

Instrument :

MSVOA_X

ClientSampleId :

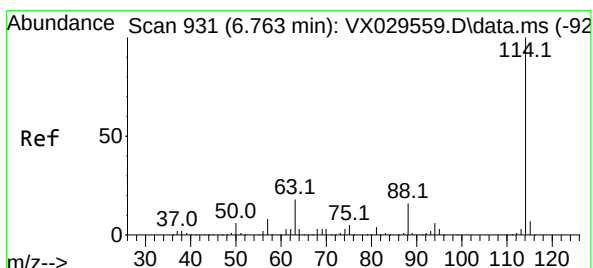
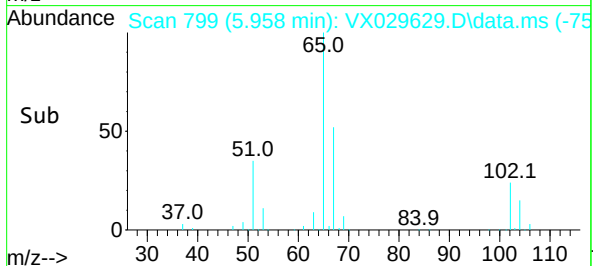
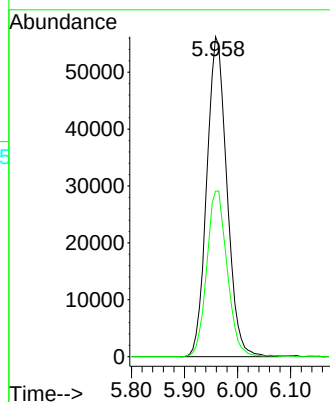
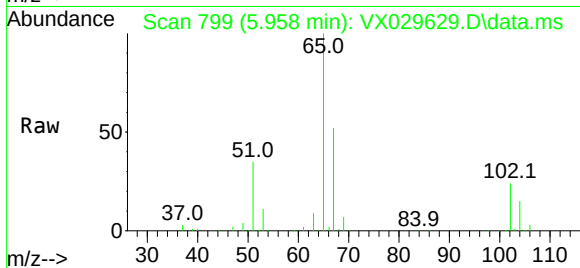
FB01-20220531

Tgt Ion: 65 Resp: 148435

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029629.D

Acq: 20 Jun 2022 17:36

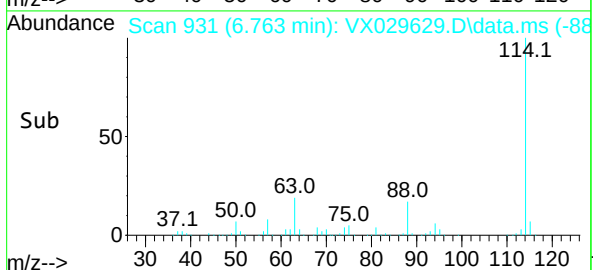
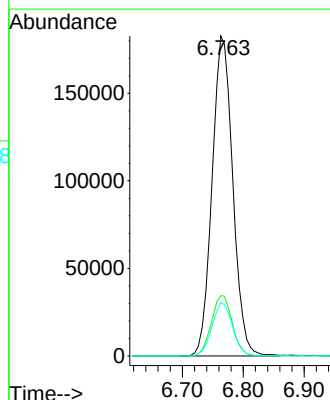
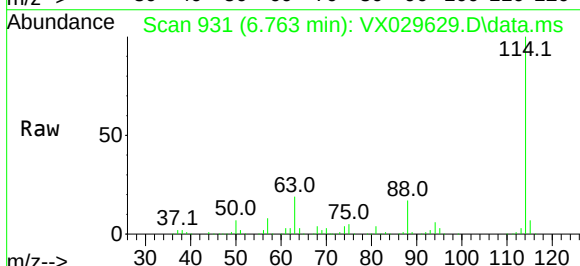
Tgt Ion: 114 Resp: 431394

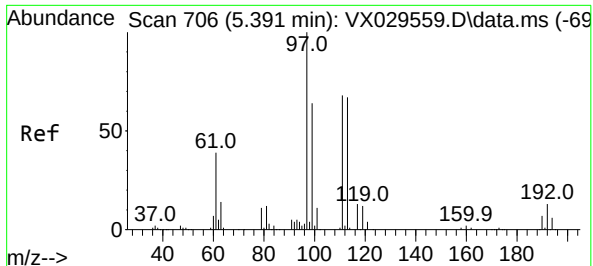
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 16.7 0.0 32.4

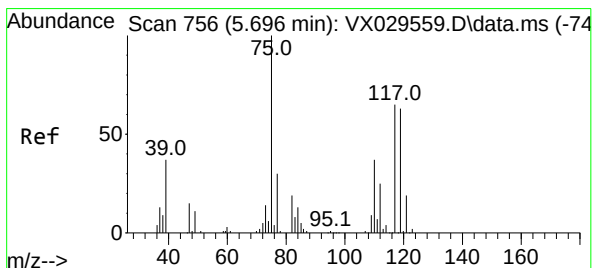
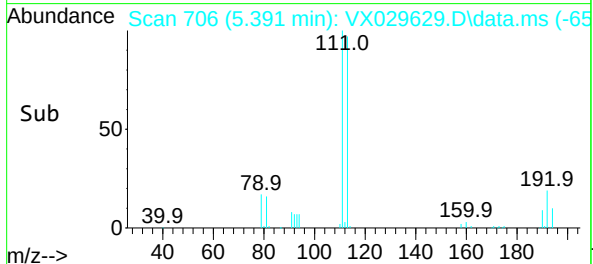
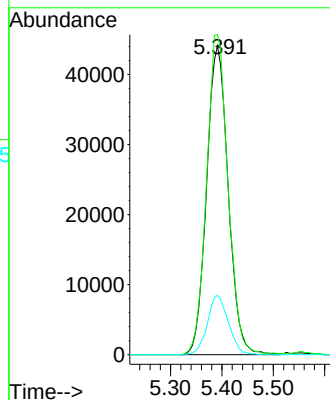
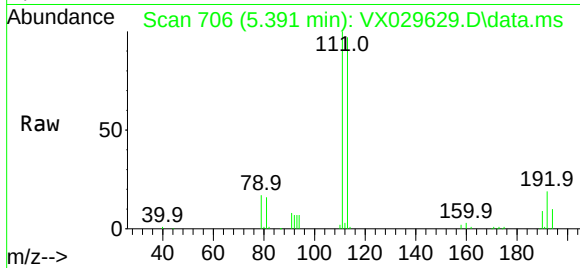




#35
Dibromofluoromethane
Concen: 45.784 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

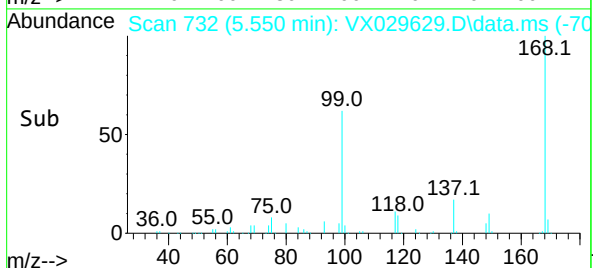
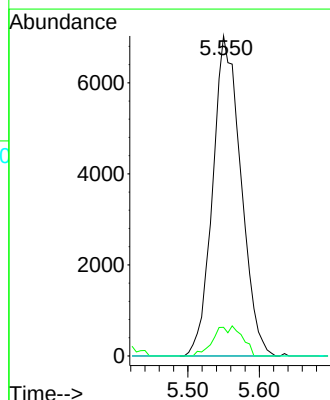
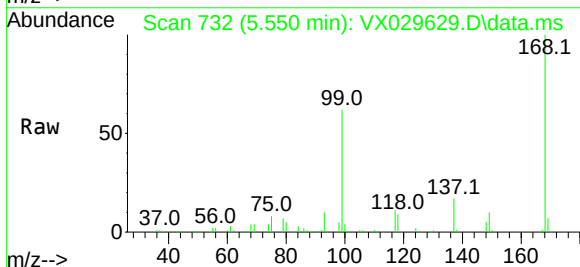
Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

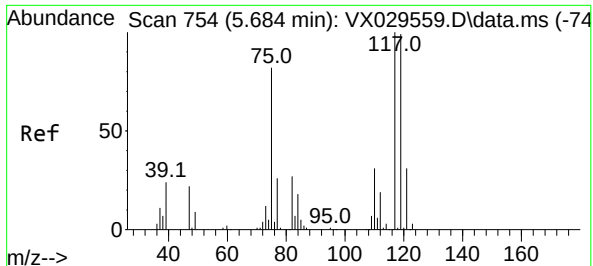
Tgt Ion:113 Resp: 128715
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

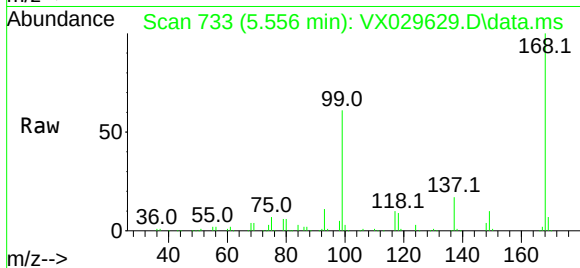
Tgt Ion: 75 Resp: 19271
Ion Ratio Lower Upper
75 100
110 5.3 18.3 54.8#
77 0.0 24.8 37.2#



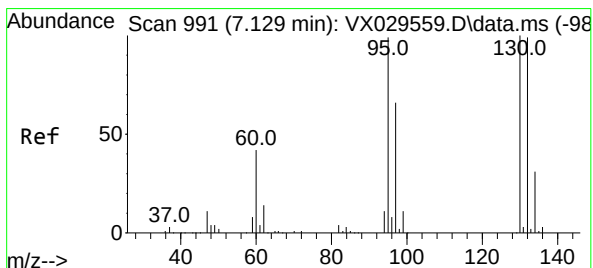
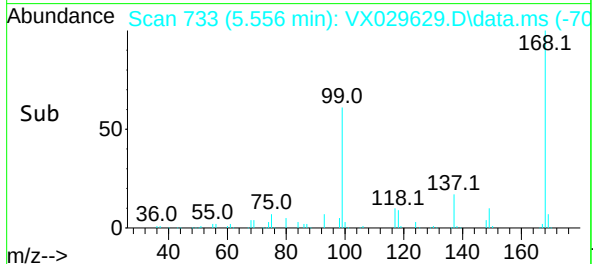
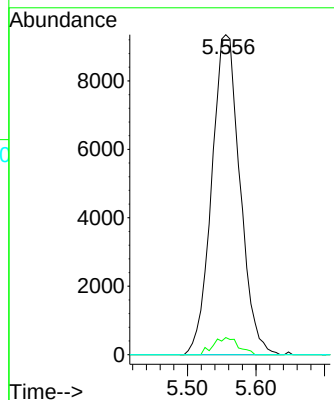


#38
Carbon Tetrachloride
Concen: 7.153 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

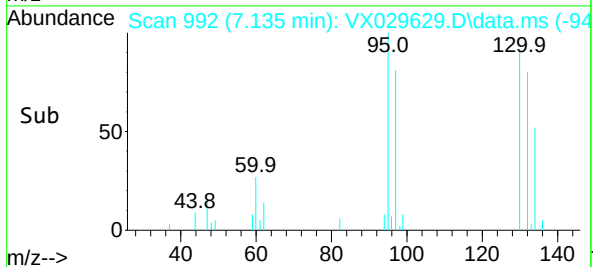
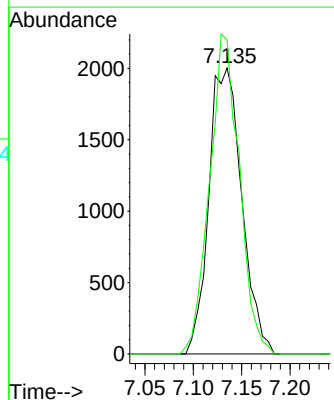
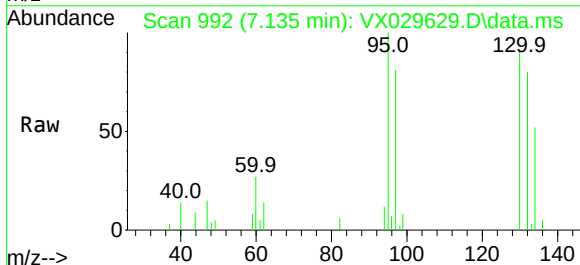


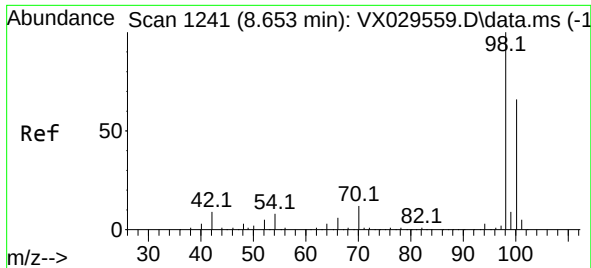
Tgt Ion:117 Resp: 26766
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.364 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion:130 Resp: 4747
Ion Ratio Lower Upper
130 100
95 109.8 0.0 188.8

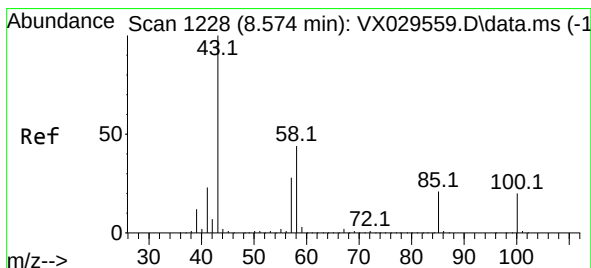
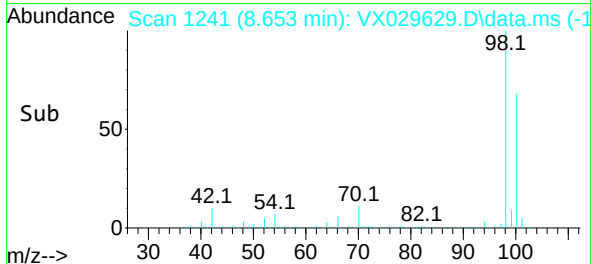
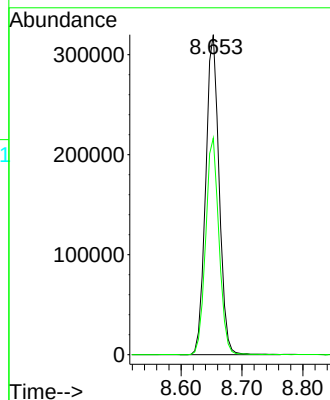
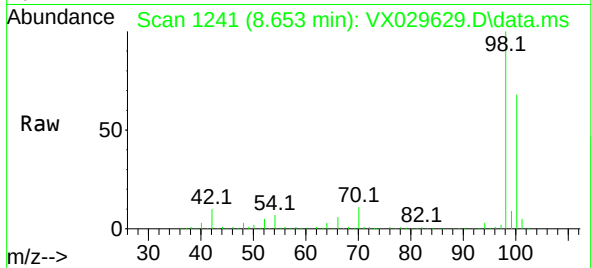




#50
Toluene-d8
Concen: 47.717 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

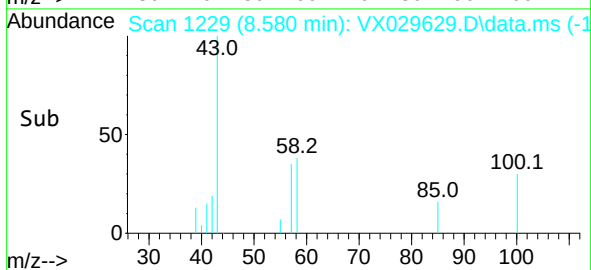
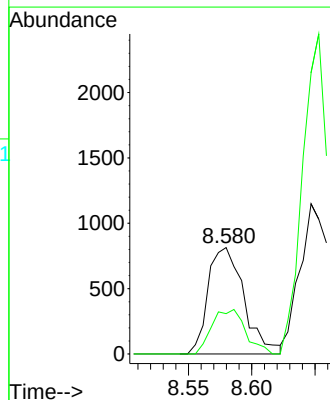
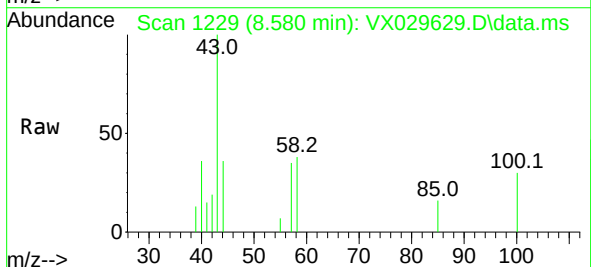
Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

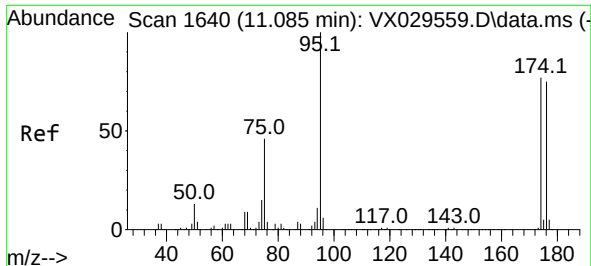
Tgt Ion: 98 Resp: 490068
Ion Ratio Lower Upper
98 100
100 67.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.411 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
58 39.2 36.1 54.1

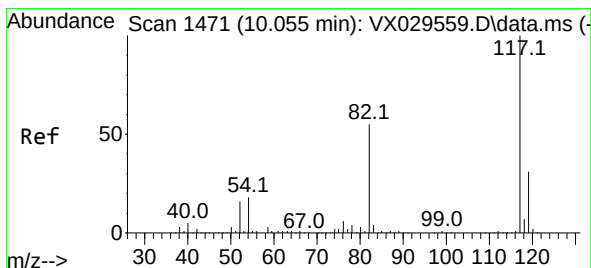
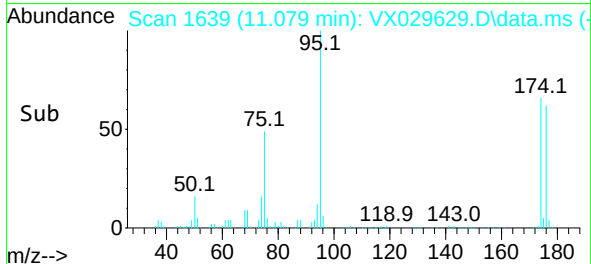
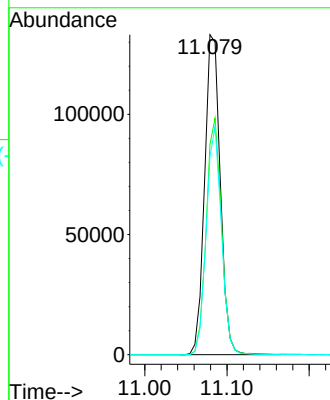
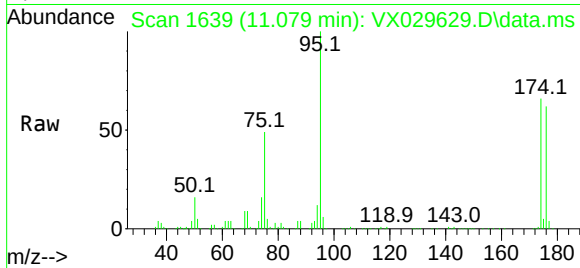




#62
4-Bromofluorobenzene
Concen: 45.499 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

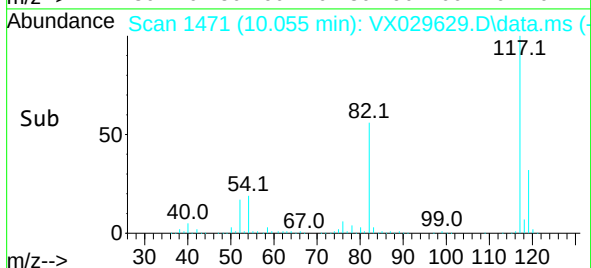
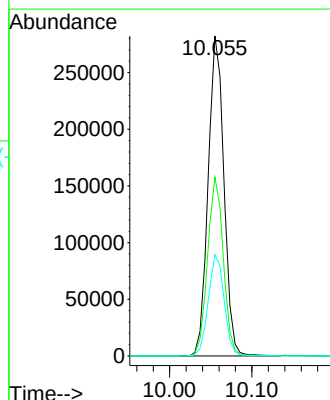
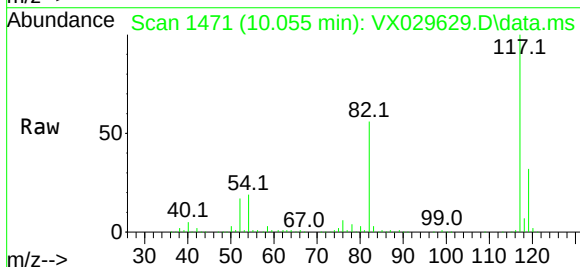
Instrument :
MSVOA_X
ClientSampleId :
FB01-20220531

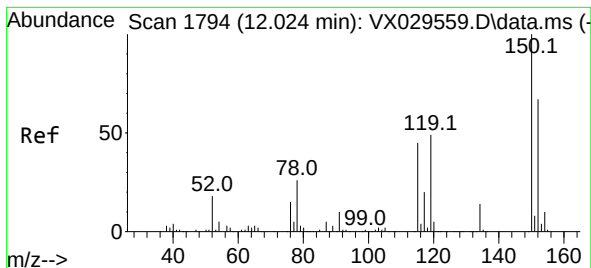
Tgt Ion: 95 Resp: 176222
Ion Ratio Lower Upper
95 100
174 72.3 0.0 163.0
176 68.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029629.D
Acq: 20 Jun 2022 17:36

Tgt Ion: 117 Resp: 377300
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 31.7 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029629.D

Acq: 20 Jun 2022 17:36

Instrument :

MSVOA_X

ClientSampleId :

FB01-20220531

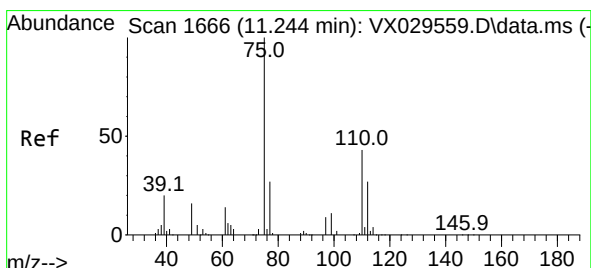
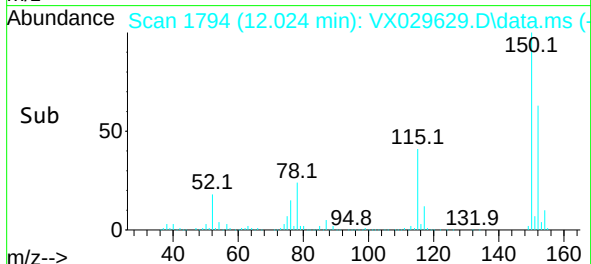
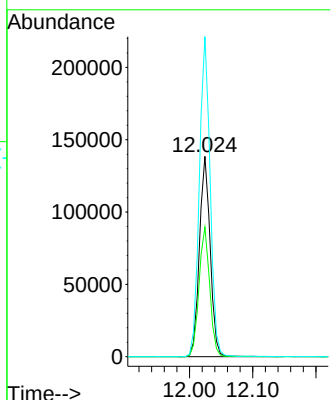
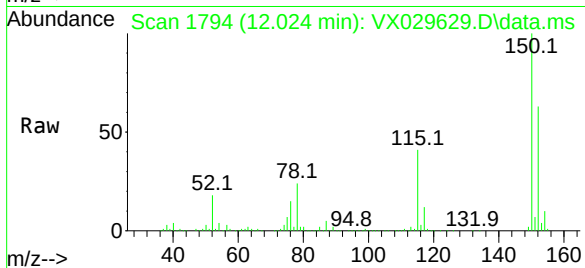
Tgt Ion:152 Resp: 164656

Ion Ratio Lower Upper

152 100

115 64.2 37.5 112.7

150 160.0 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 24.091 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029629.D

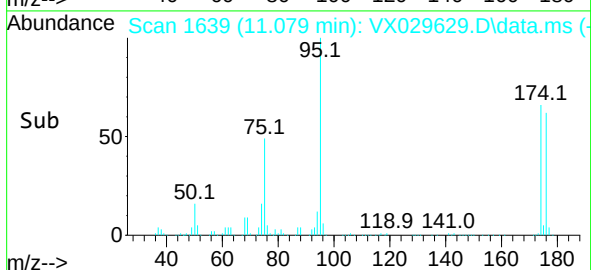
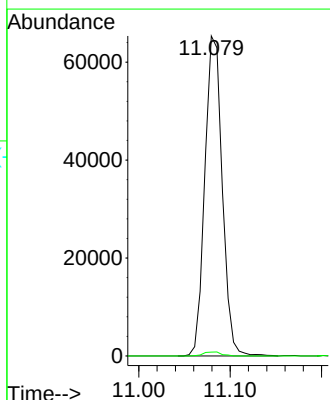
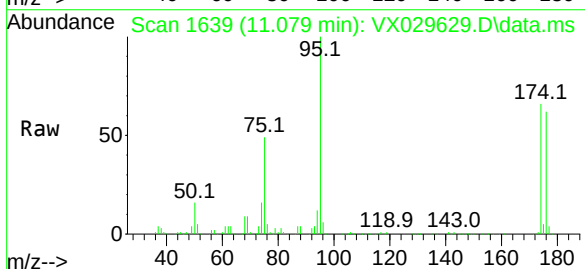
Acq: 20 Jun 2022 17:36

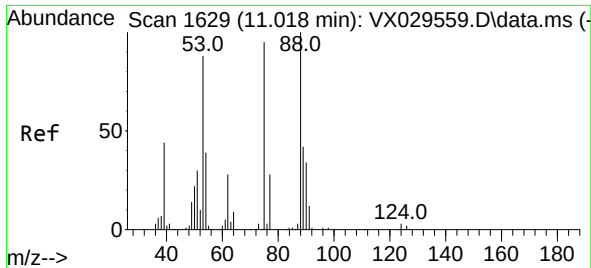
Tgt Ion: 75 Resp: 86414

Ion Ratio Lower Upper

75 100

77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.144 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029629.D
 Acq: 20 Jun 2022 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20220531

Tgt Ion: 75 Resp: 86414
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

