

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062821\
 Data File : VX022979.D
 Acq On : 28 Jun 2021 15:02
 Operator : JC/MD
 Sample : M2839-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB04-20210622

Quant Time: Jun 29 03:06:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

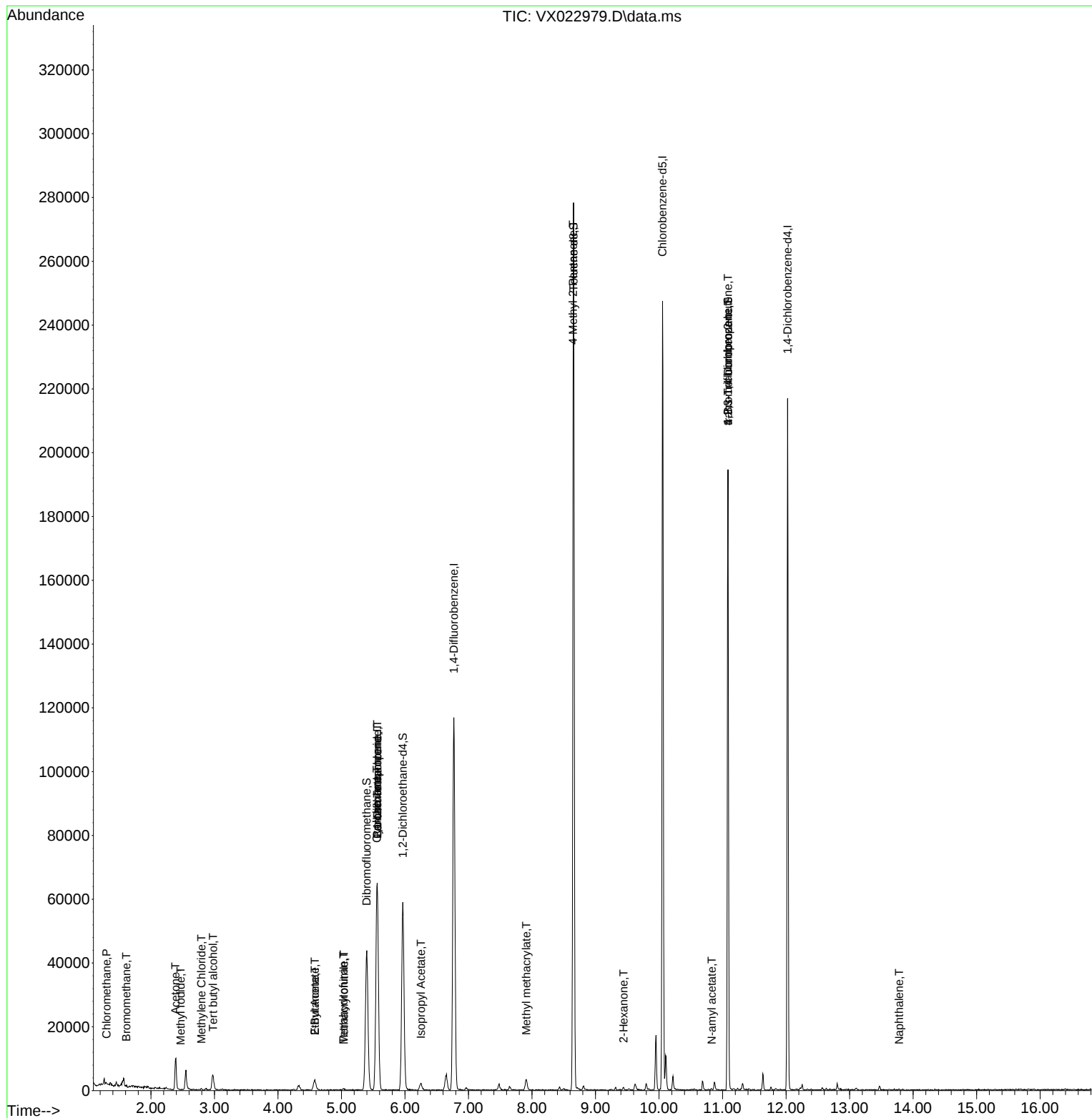
Internal Standards							
1) Pentafluorobenzene	5.562	168		52873	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114		111957	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		100382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		37921	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65		54192	56.477	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.960%	
35) Dibromofluoromethane	5.397	113		36519	51.366	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.740%	
50) Toluene-d8	8.653	98		149143	53.526	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	107.060%	
62) 4-Bromofluorobenzene	11.085	95		50683	48.739	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.480%	
Target Compounds							
						Qvalue	
3) Chloromethane	1.300	50		165	0.201	ug/l	# 42
5) Bromomethane	1.611	94		116	0.279	ug/l	# 61
10) Methyl Iodide	2.465	142		30	3.913	ug/l	# 42
11) Tert butyl alcohol	2.977	59		5291	26.458	ug/l	# 94
16) Acetone	2.386	43		10465	24.601	ug/l	# 89
20) Methylene Chloride	2.794	84		188	0.593	ug/l	# 68
25) 2-Butanone	4.580	43		5602	8.469	ug/l	# 91
29) Tetrahydrofuran	5.032	42		402	0.945	ug/l	# 31
31) Cyclohexane	5.556	56		1745	1.288	ug/l	# 41
36) 1,1-Dichloropropene	5.562	75		6148	5.170	ug/l	# 45
37) Ethyl Acetate	4.580	43		5602	4.067	ug/l	# 64
38) Carbon Tetrachloride	5.562	117		6544	6.561	ug/l	# 18
41) Methacrylonitrile	5.038	41		193	0.254	ug/l	# 38
43) Isopropyl Acetate	6.251	43		631	0.285	ug/l	# 57
48) Methyl methacrylate	7.909	41		1422	1.387	ug/l	# 38
51) 4-Methyl-2-Pentanone	8.647	43		845	0.613	ug/l	# 1
59) 2-Hexanone	9.439	43		657	0.628	ug/l	# 56
74) N-amyl acetate	10.829	43		76	2.095	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75		28430	28.383	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75		28430	73.193	ug/l	# 12
95) Naphthalene	13.780	128		219	1.991	ug/l	# 69

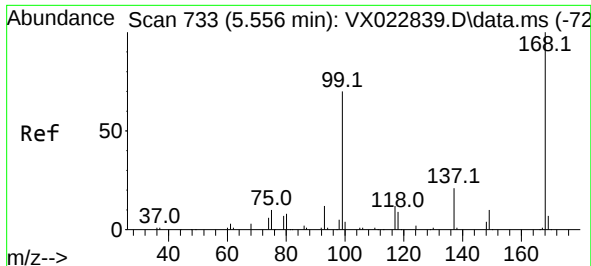
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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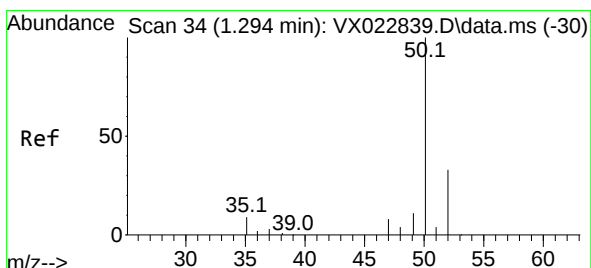
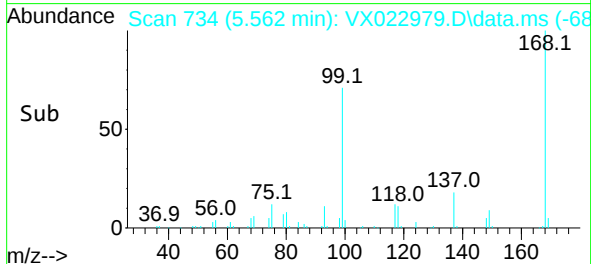
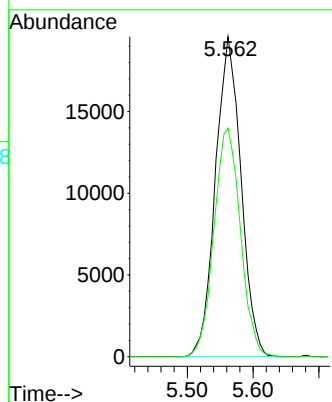
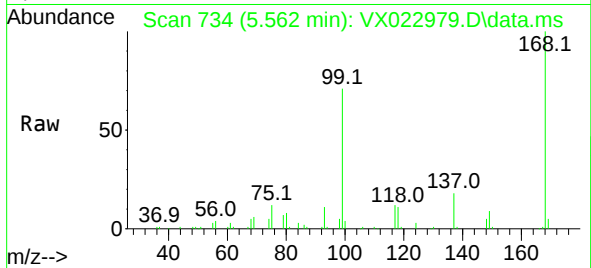




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

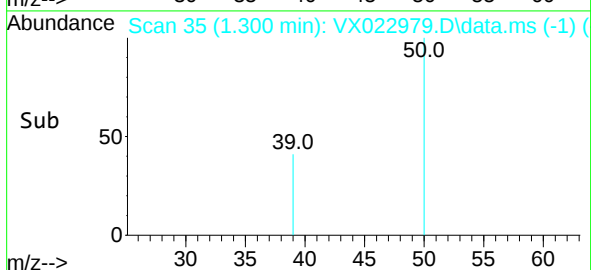
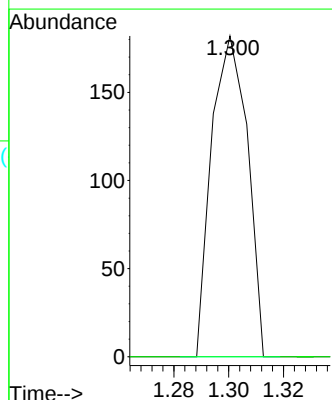
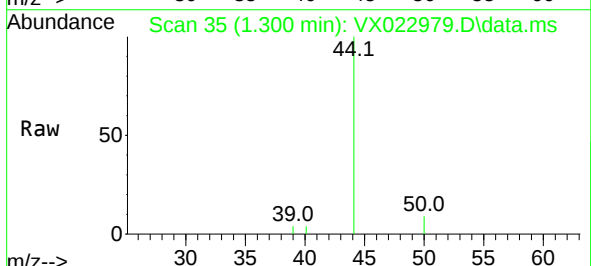
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

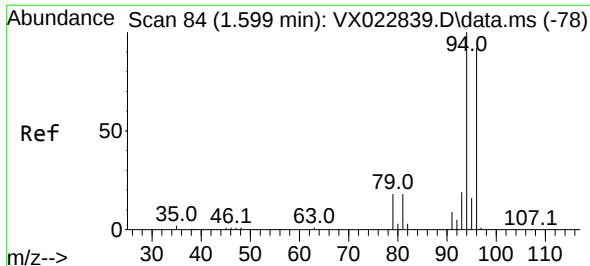
Tgt Ion:168 Resp: 52873
Ion Ratio Lower Upper
168 100
99 71.5 45.8 68.6#



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 50 Resp: 165
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

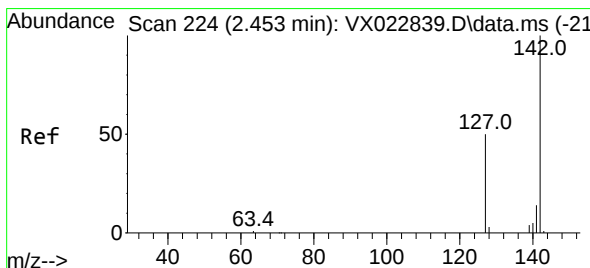
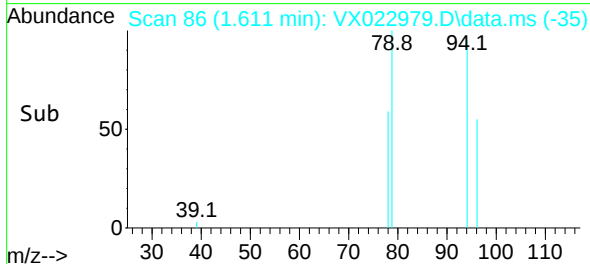
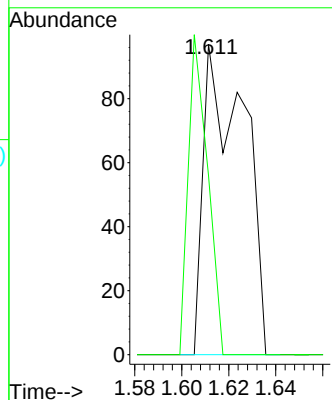
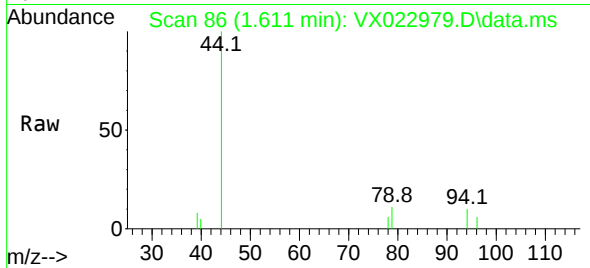




#5
Bromomethane
Concen: 0.279 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

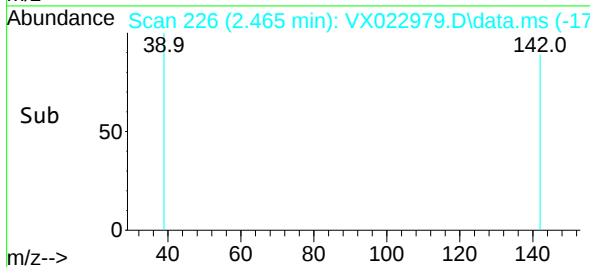
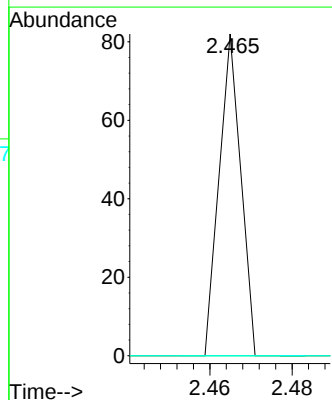
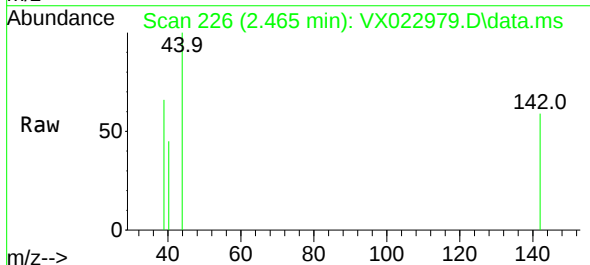
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

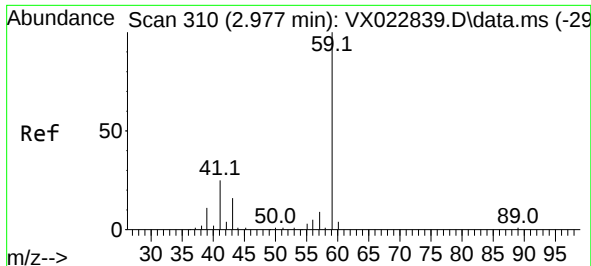
Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 57.7 76.4 114.6#



#10
Methyl Iodide
Concen: 3.913 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 142 Resp: 30
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



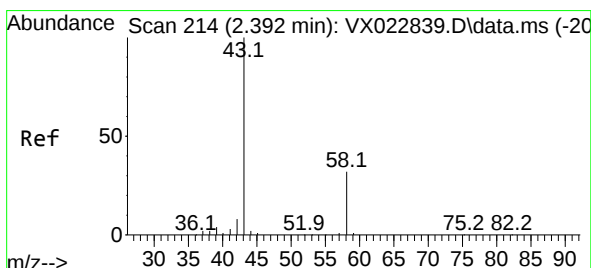
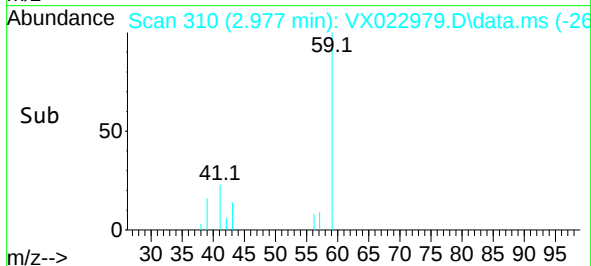
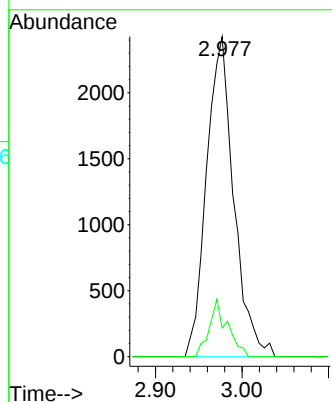
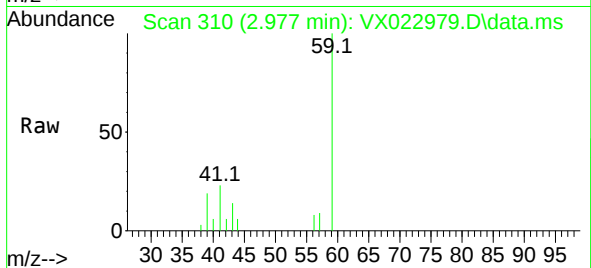


#11

Tert butyl alcohol
Concen: 26.458 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

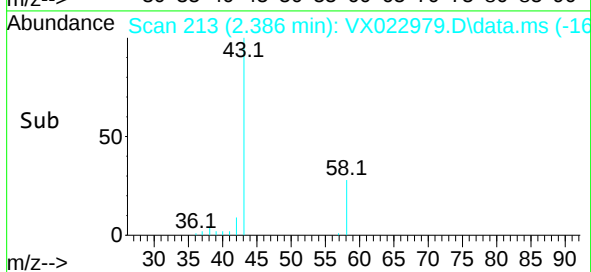
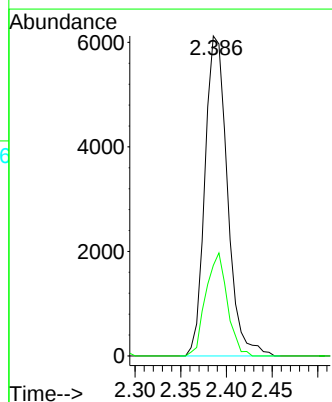
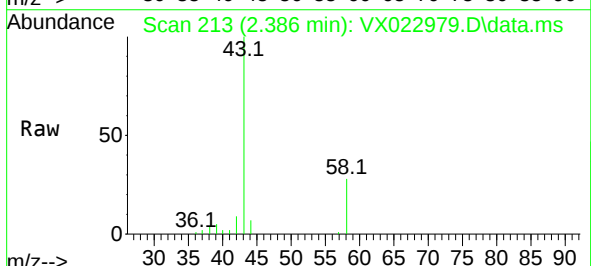
Tgt Ion: 59 Resp: 5291
Ion Ratio Lower Upper
59 100
57 12.0 7.8 11.8#

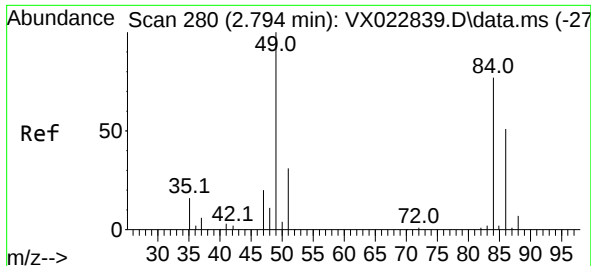


#16

Acetone
Concen: 24.601 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 43 Resp: 10465
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8

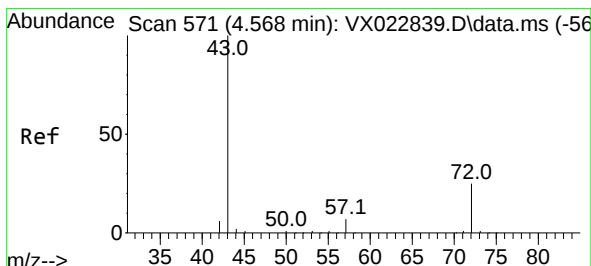
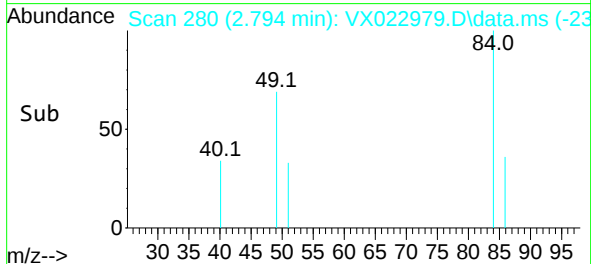
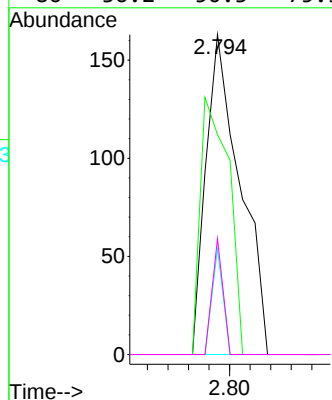
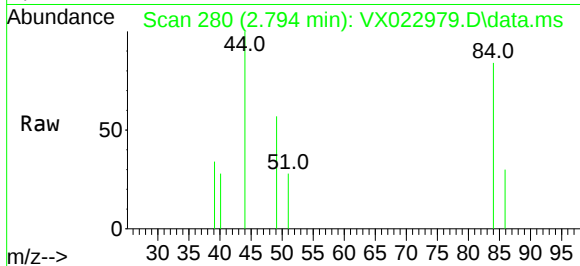




#20
Methylene Chloride
Concen: 0.593 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

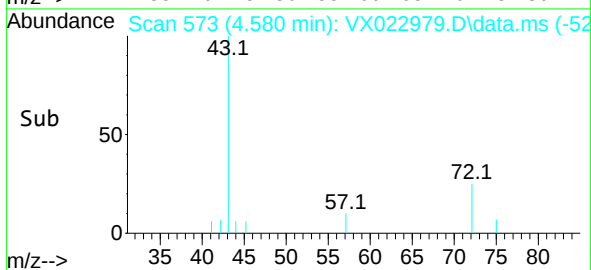
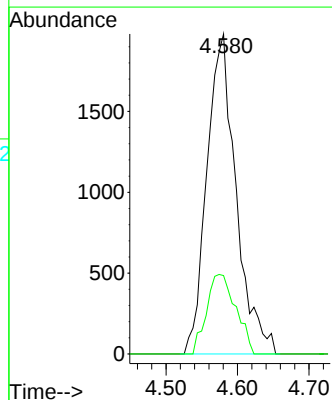
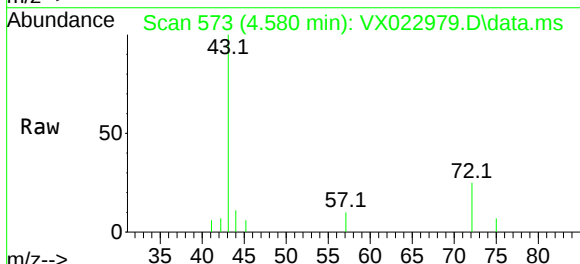
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

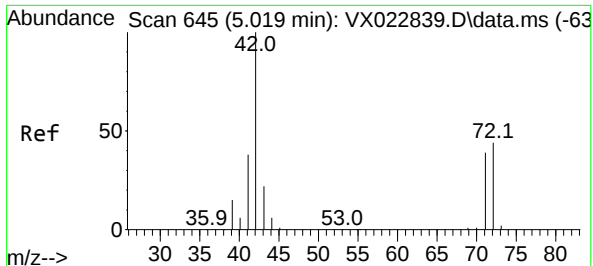
Tgt Ion: 84	Resp: 188
Ion Ratio	Lower Upper
84 100	
49 68.7	88.6 132.8#
51 33.1	27.0 40.6
86 36.2	50.3 75.5#



#25
2-Butanone
Concen: 8.469 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 43	Resp: 5602		
Ion Ratio	Lower	Upper	
43 100			
72 24.5	23.7	35.5	





#29

Tetrahydrofuran

Concen: 0.945 ug/l

RT: 5.032 min Scan# 647

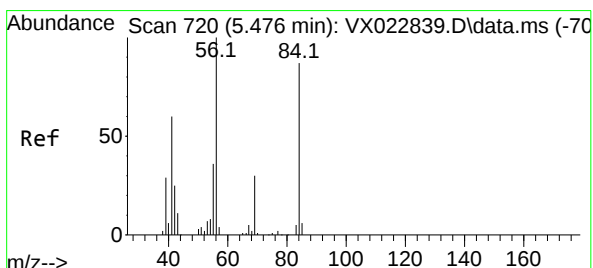
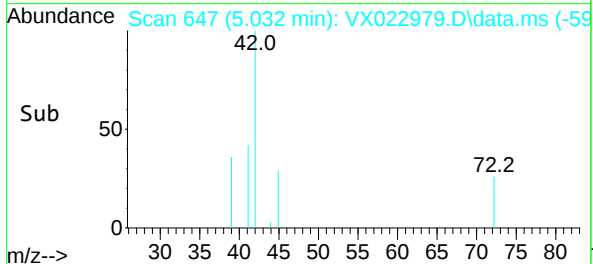
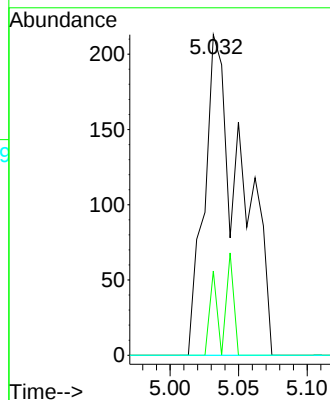
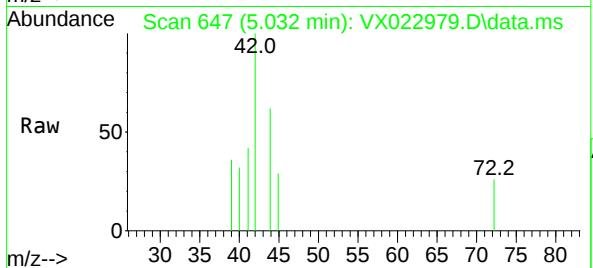
Delta R.T. 0.013 min

Lab File: VX022979.D

Acq: 28 Jun 2021 15:02

Tgt Ion:	42	Resp:	402
Ion	Ratio	Lower	Upper
42	100		
72	5.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622



#31

Cyclohexane

Concen: 1.288 ug/l

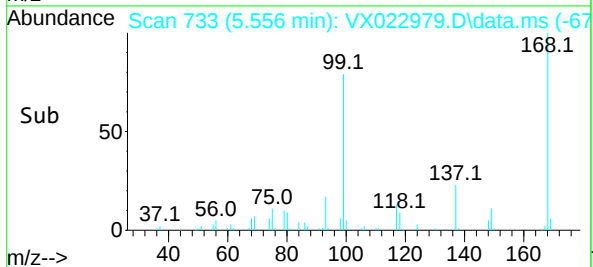
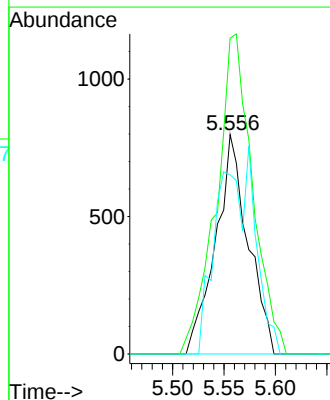
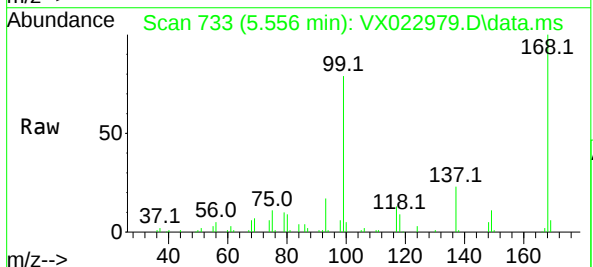
RT: 5.556 min Scan# 733

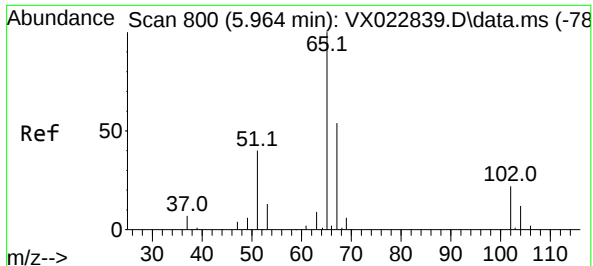
Delta R.T. 0.080 min

Lab File: VX022979.D

Acq: 28 Jun 2021 15:02

Tgt Ion:	56	Resp:	1745
Ion	Ratio	Lower	Upper
56	100		
69	144.0	25.3	37.9#
84	81.7	71.4	107.0



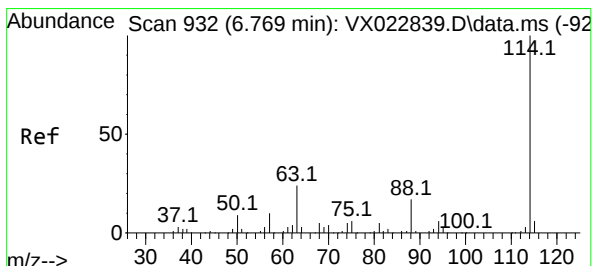
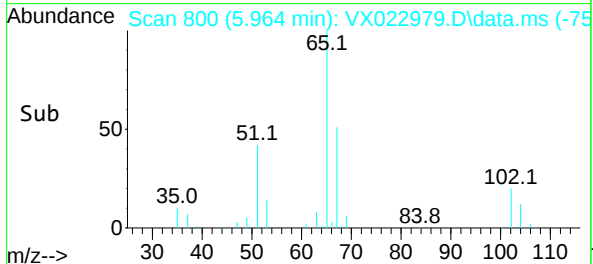
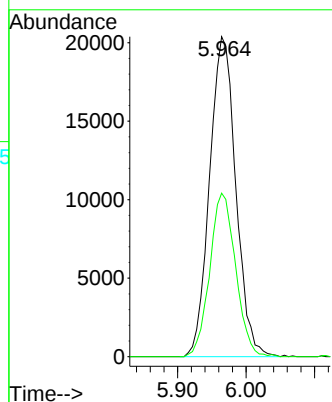
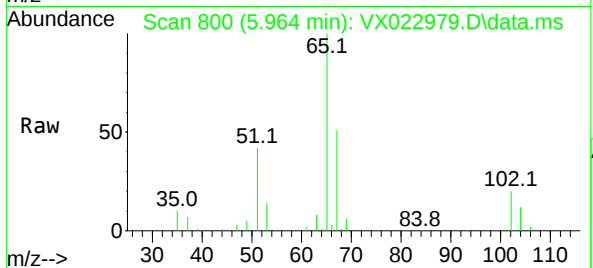


#33

1,2-Dichloroethane-d4
Concen: 56.477 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

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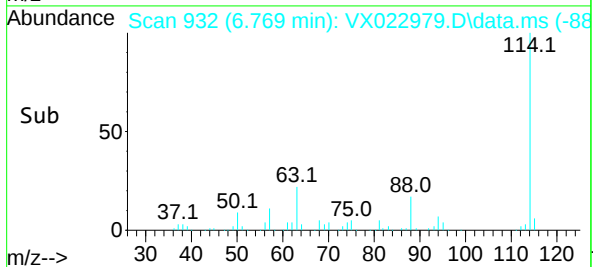
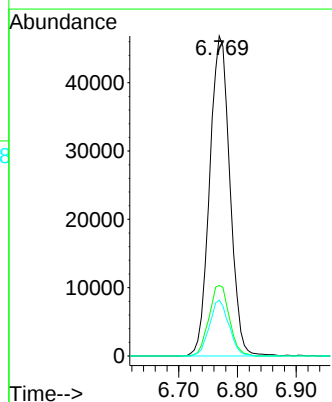
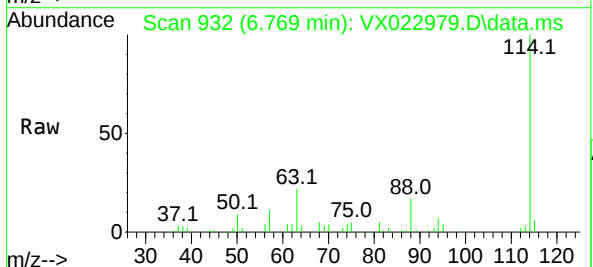
Tgt Ion: 65 Resp: 54192
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

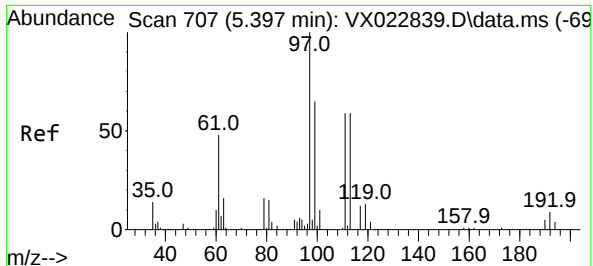


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 114 Resp: 111957
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.8
88 17.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.366 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022979.D

Acq: 28 Jun 2021 15:02

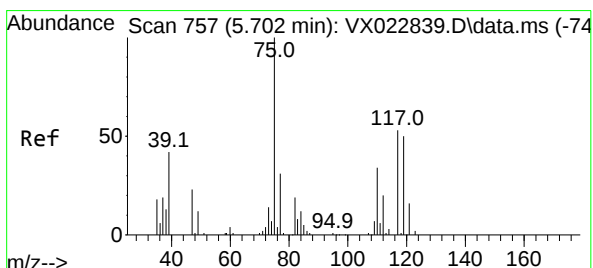
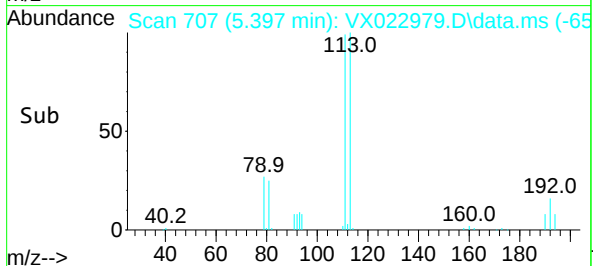
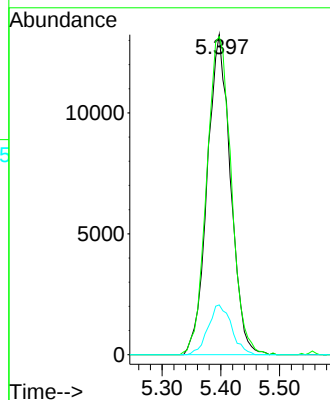
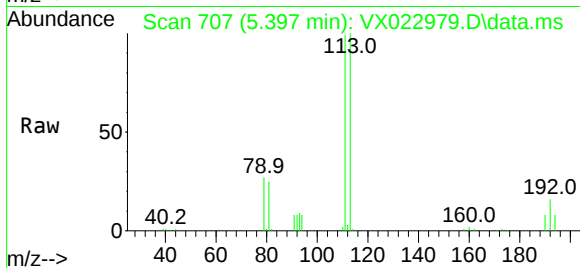
Tgt Ion:113 Resp: 36519

Ion Ratio Lower Upper

113 100

111 104.8 81.9 122.9

192 15.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.170 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022979.D

Acq: 28 Jun 2021 15:02

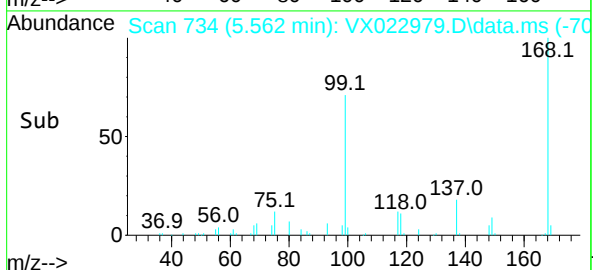
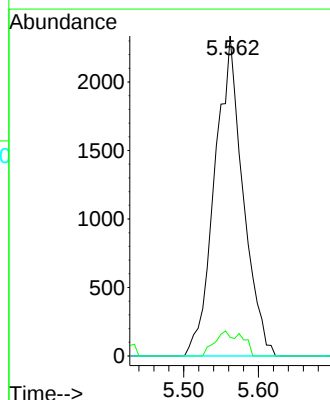
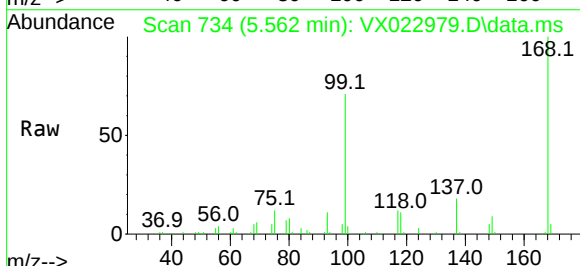
Tgt Ion: 75 Resp: 6148

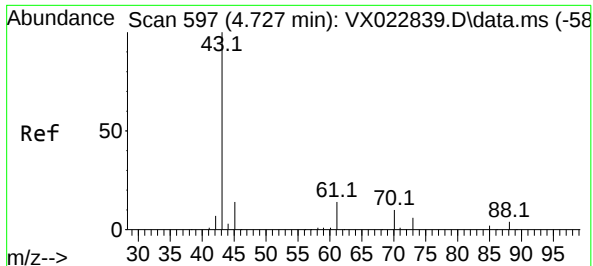
Ion Ratio Lower Upper

75 100

110 5.1 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 4.067 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.147 min

Lab File: VX022979.D

Acq: 28 Jun 2021 15:02

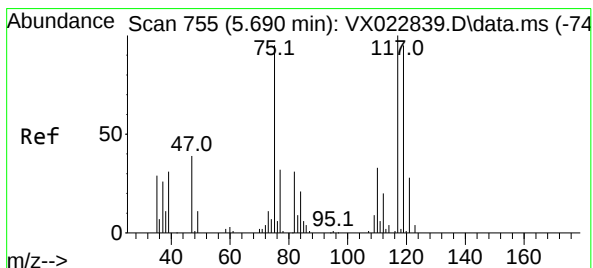
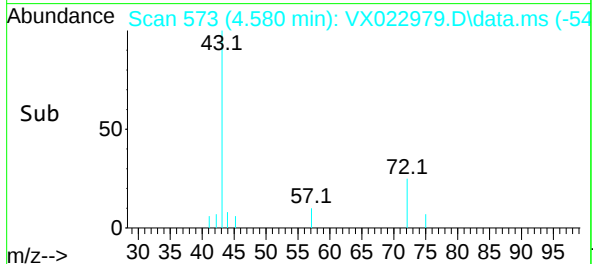
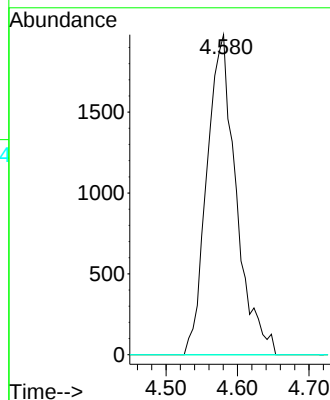
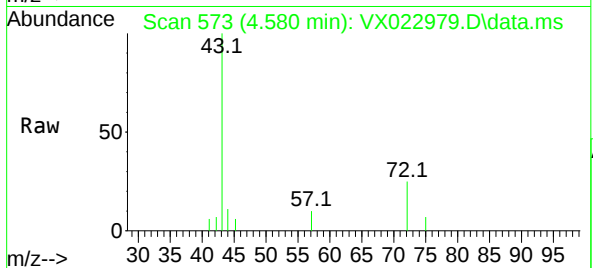
Instrument :

MSVOA_X

ClientSampleId :

FB04-20210622

Tgt Ion: 43	Resp: 5602
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.561 ug/l

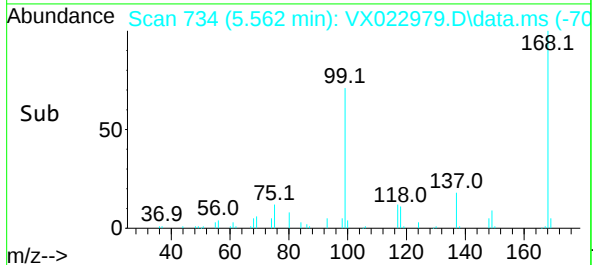
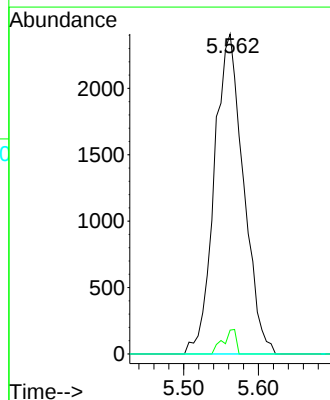
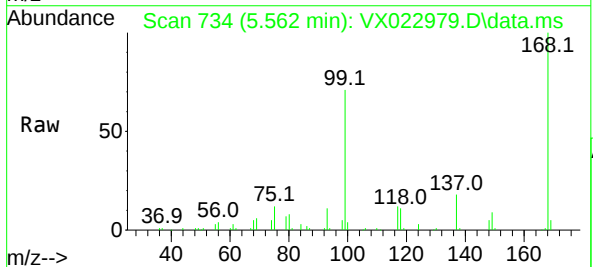
RT: 5.562 min Scan# 734

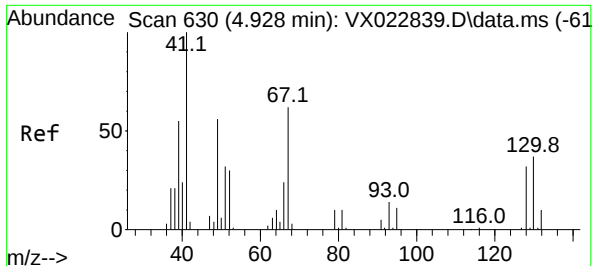
Delta R.T. -0.128 min

Lab File: VX022979.D

Acq: 28 Jun 2021 15:02

Tgt Ion: 117	Resp: 6544
Ion Ratio	Lower Upper
117 100	
119 7.5	76.2 114.2#
121 0.0	24.8 37.2#

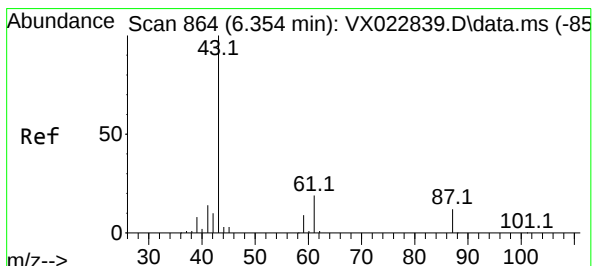
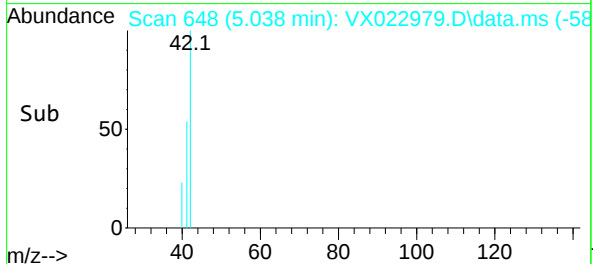
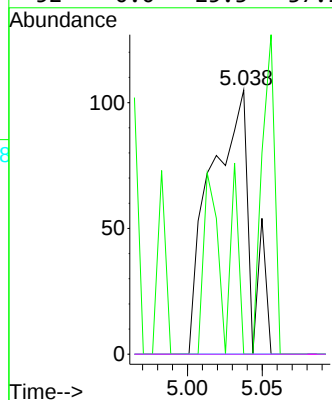
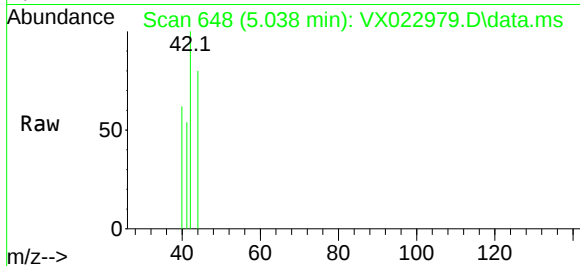




#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

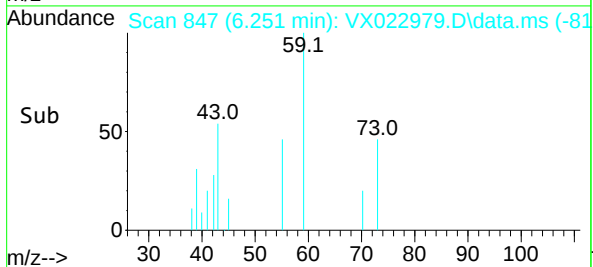
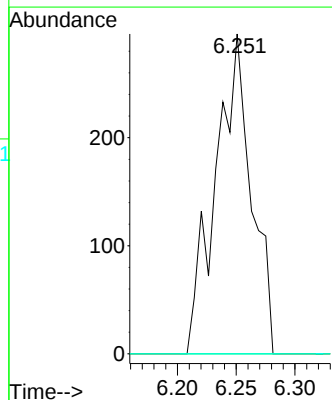
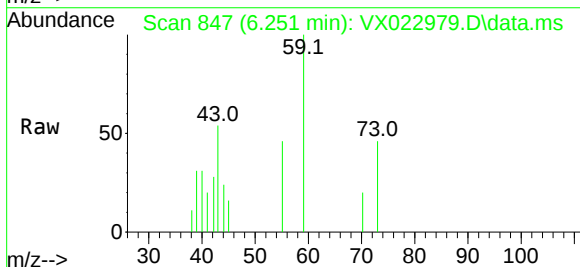
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

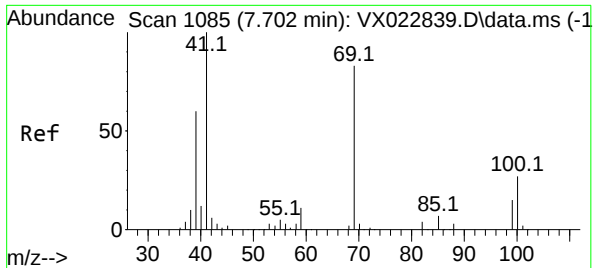
Tgt Ion:	41	Resp:	193
Ion	Ratio	Lower	Upper
41	100		
39	39.4	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 0.285 ug/l
RT: 6.251 min Scan# 847
Delta R.T. -0.103 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion:	43	Resp:	631
Ion	Ratio	Lower	Upper
43	100		
61	0.0	18.2	27.4#
87	0.0	12.5	18.7#

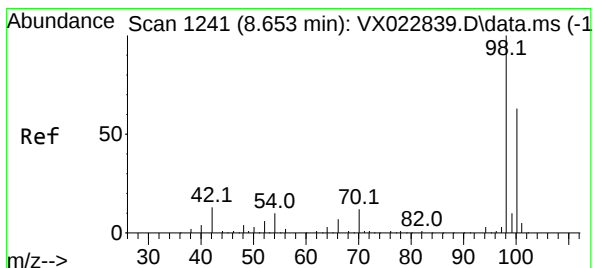
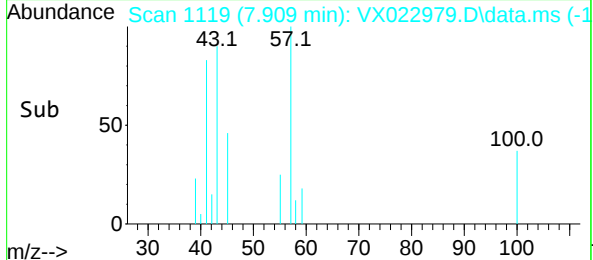
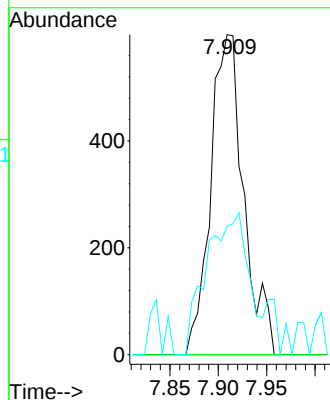
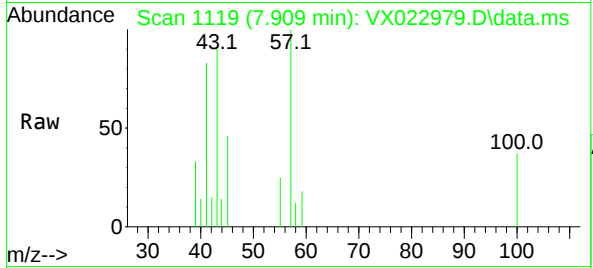




#48
Methyl methacrylate
Concen: 1.387 ug/l
RT: 7.909 min Scan# 1119
Delta R.T. 0.207 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

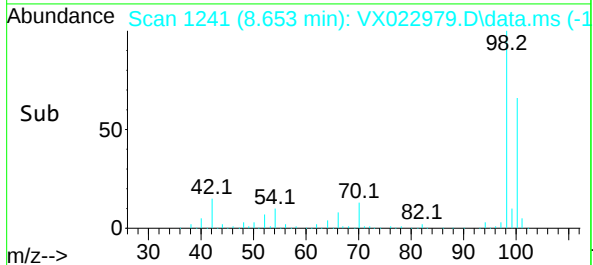
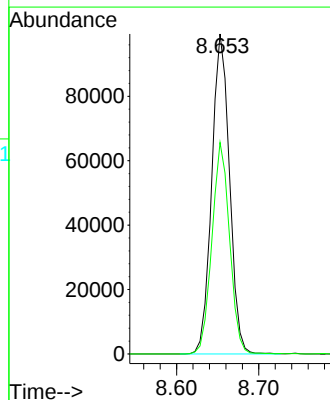
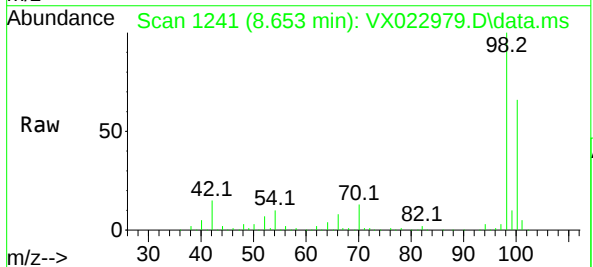
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

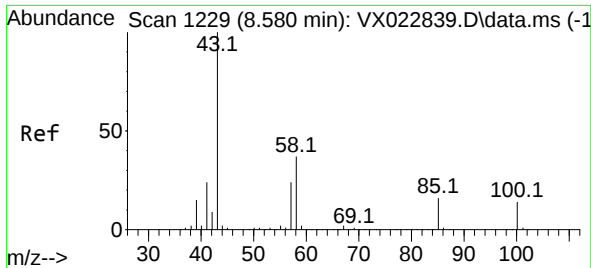
Tgt Ion: 41 Resp: 1422
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 57.1 44.6 67.0



#50
Toluene-d8
Concen: 53.526 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 98 Resp: 149143
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

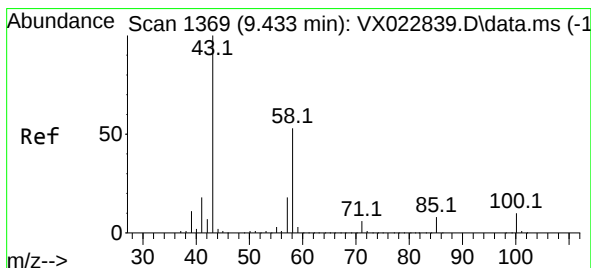
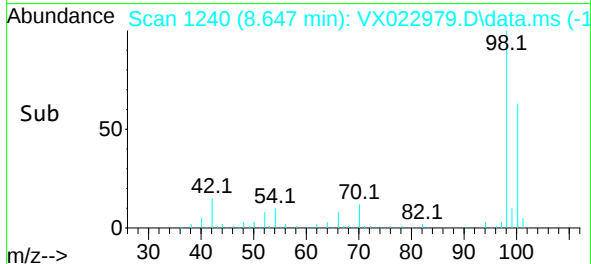
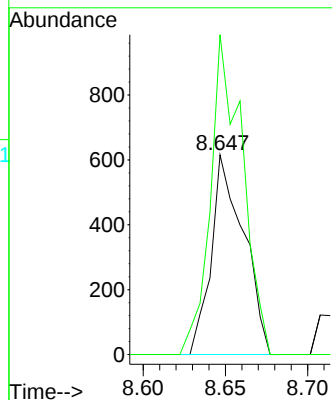
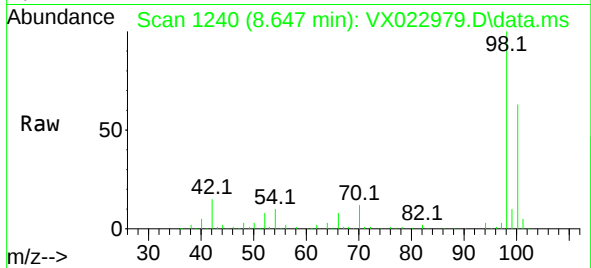




#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

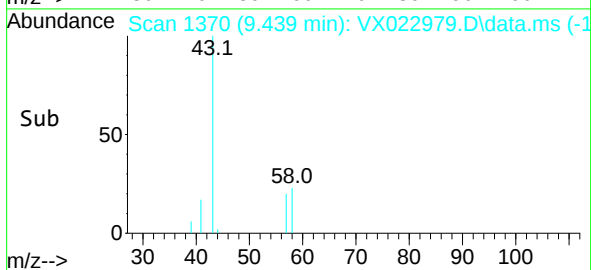
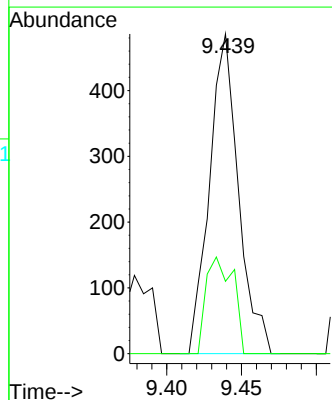
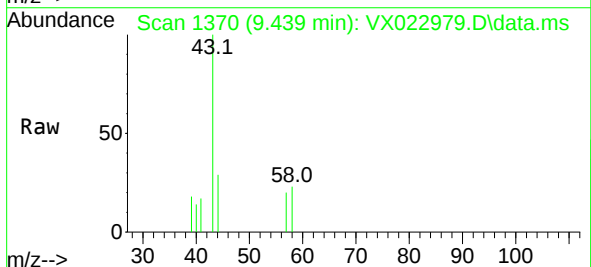
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

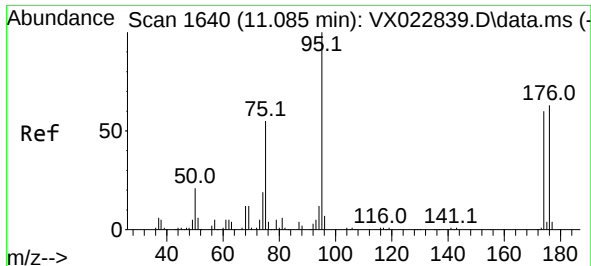
Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
58 157.6 35.4 53.0#



#59
2-Hexanone
Concen: 0.628 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 28.2 30.9 92.8#

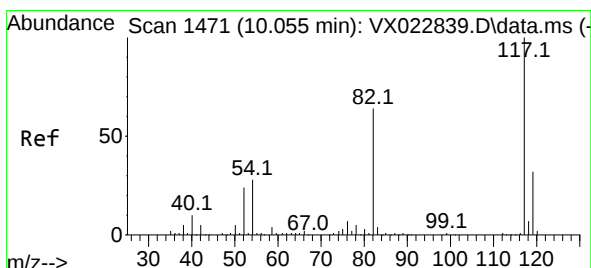
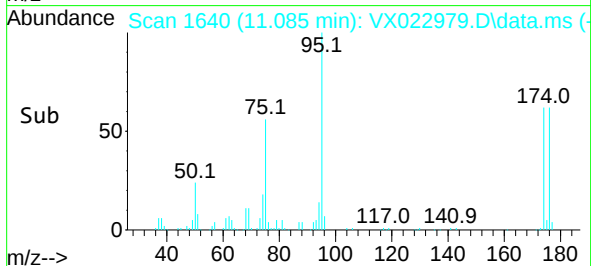
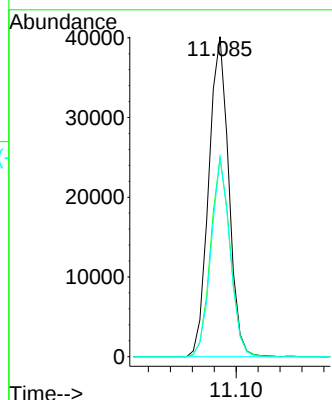
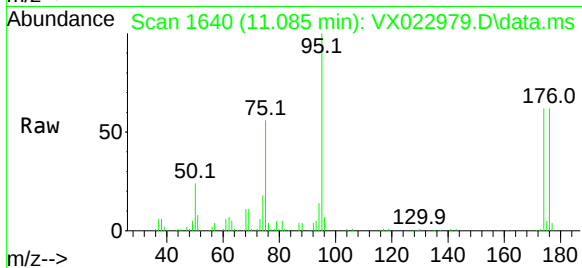




#62
4-Bromofluorobenzene
Concen: 48.739 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

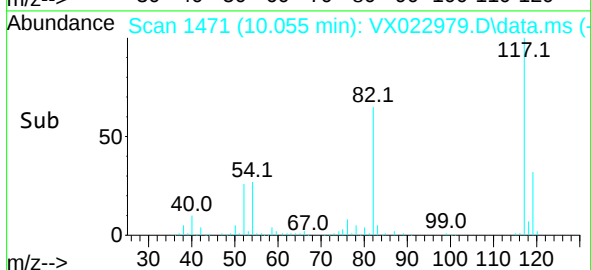
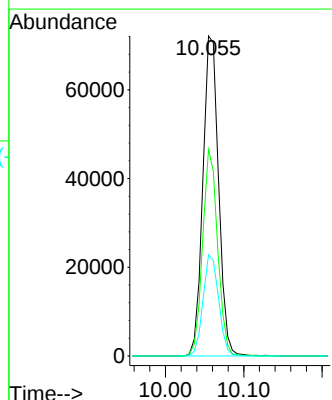
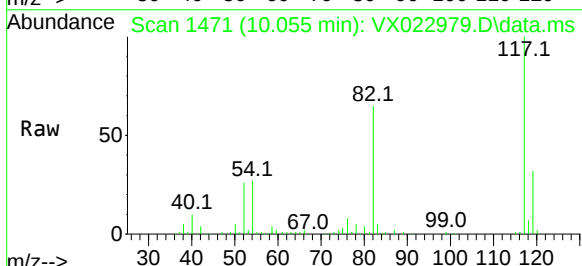
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

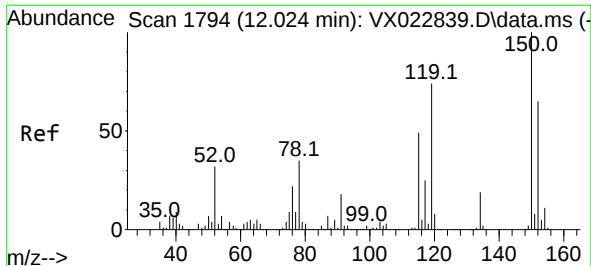
Tgt Ion: 95 Resp: 50683
Ion Ratio Lower Upper
95 100
174 61.0 0.0 154.6
176 59.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 117 Resp: 100382
Ion Ratio Lower Upper
117 100
82 64.6 47.4 71.2
119 31.6 26.6 39.8

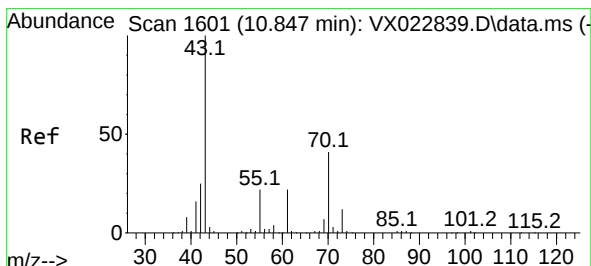
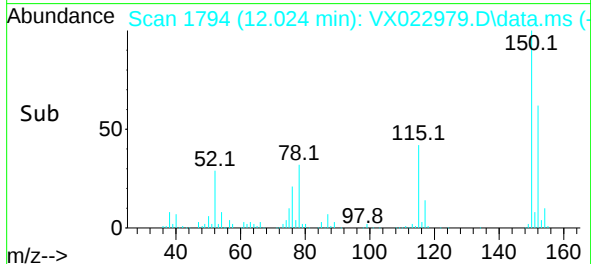
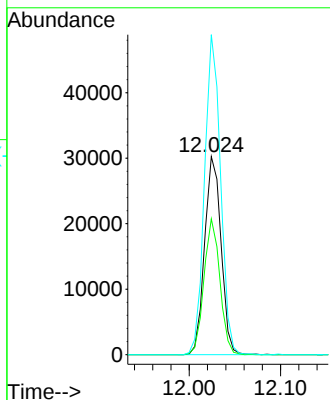
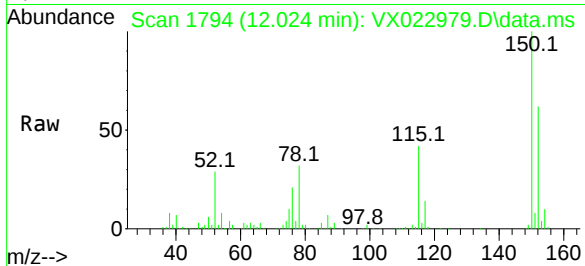




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

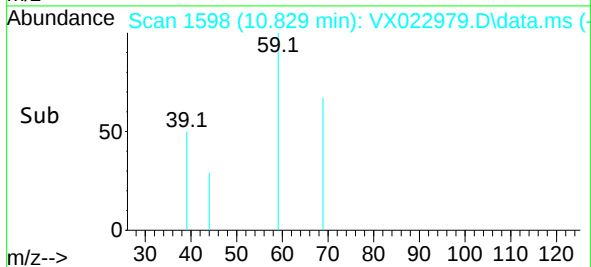
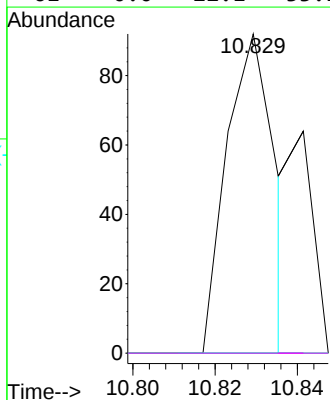
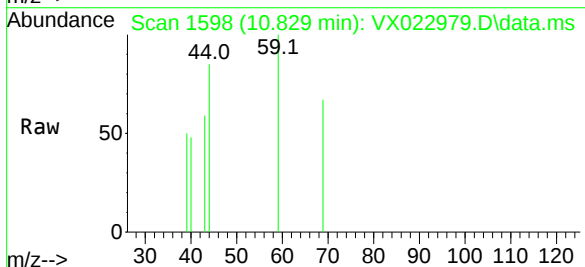
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

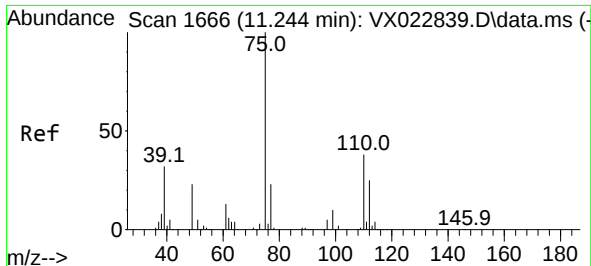
Tgt Ion:152 Resp: 37921
Ion Ratio Lower Upper
152 100
115 66.2 41.1 123.3
150 157.1 0.0 349.0



#74
N-ethyl acetate
Concen: 2.095 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.018 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

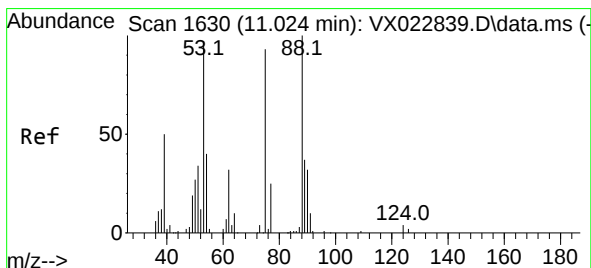
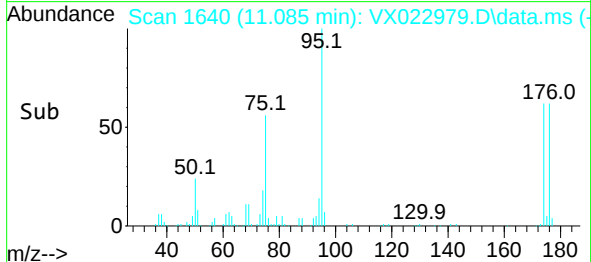
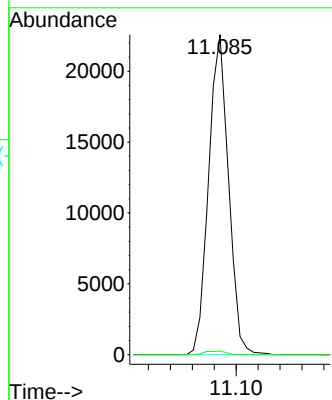
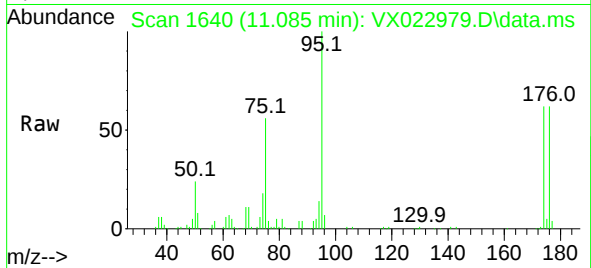




#76
1,2,3-Trichloropropane
Concen: 28.383 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

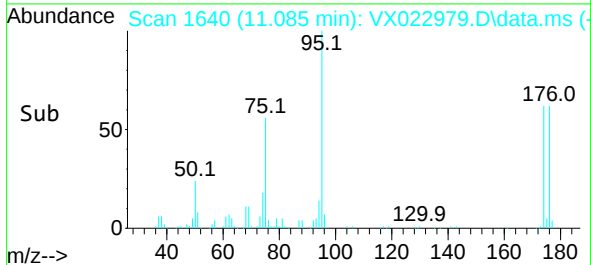
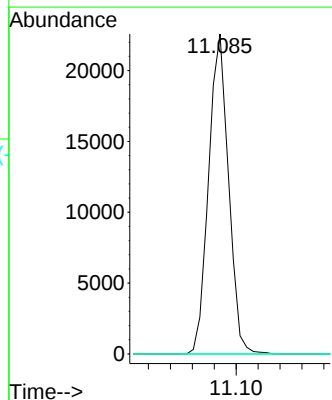
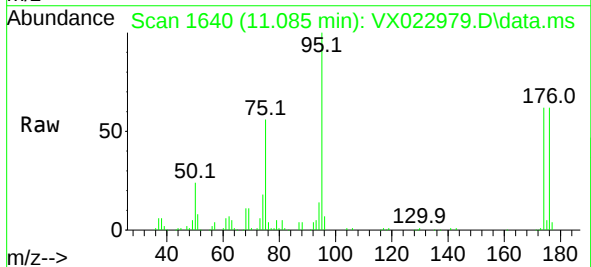
Instrument :
MSVOA_X
ClientSampleId :
FB04-20210622

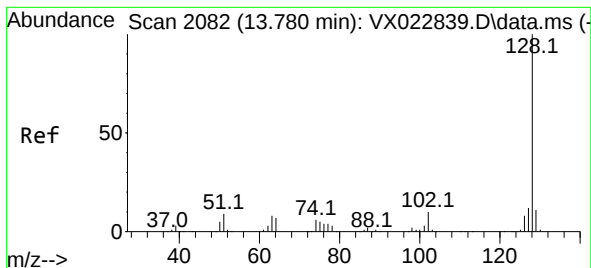
Tgt Ion: 75 Resp: 28430
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.193 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022979.D
Acq: 28 Jun 2021 15:02

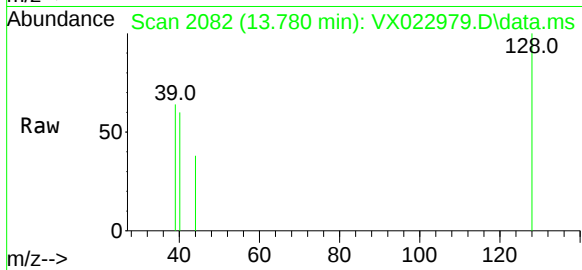
Tgt Ion: 75 Resp: 28430
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 1.991 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX022979.D
 Acq: 28 Jun 2021 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 FB04-20210622



Tgt Ion:128 Resp: 219
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.8 13.2#

