

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022946.D
 Acq On : 26 Jun 2021 01:27
 Operator : JC/MD
 Sample : PB137293ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 03:58:47 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.	QIon	Response	Conc	Units	Dev(Min)

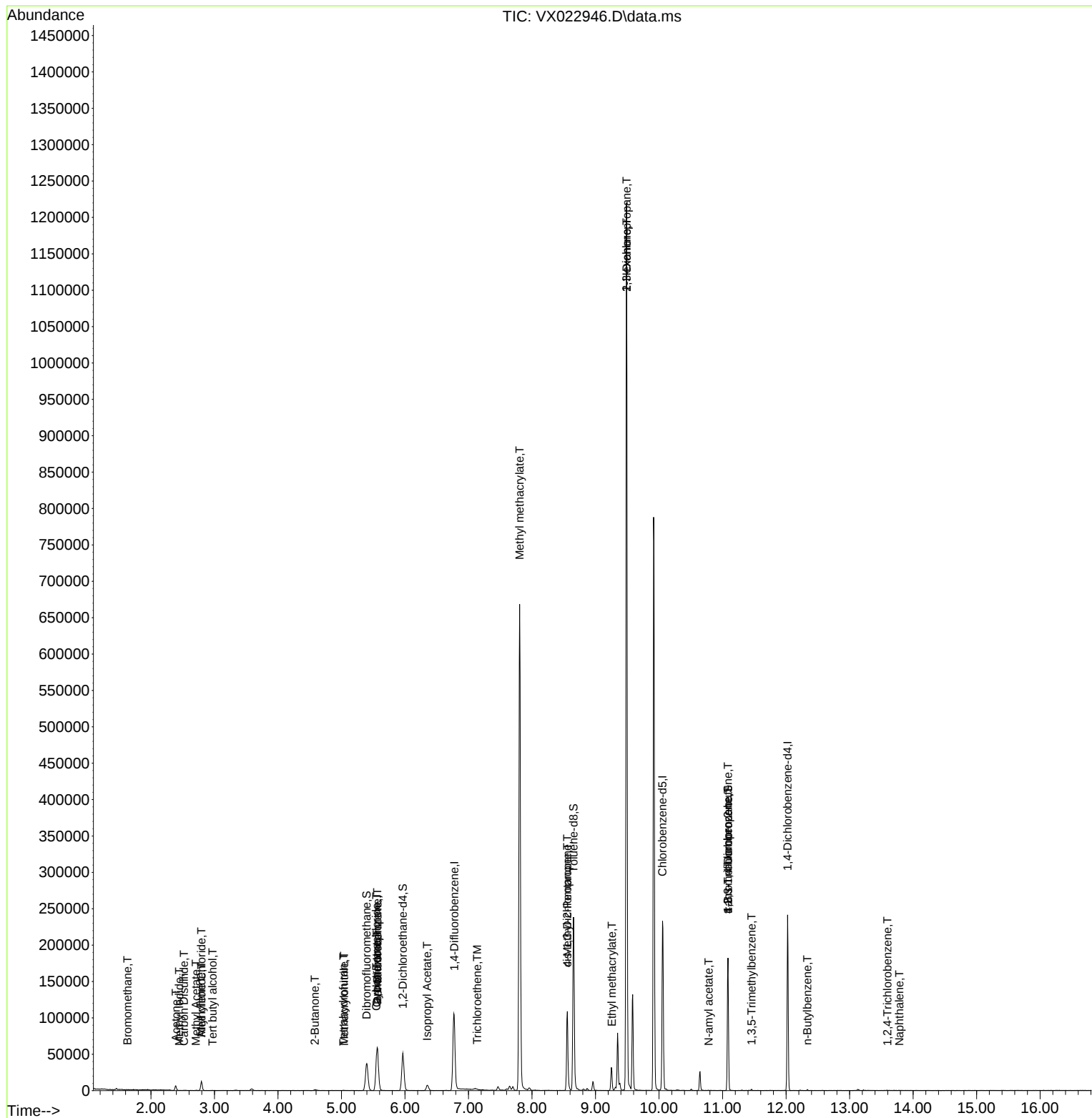
Internal Standards						
1) Pentafluorobenzene	5.568	168	48228	50.00	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.775	114	100085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41613	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	45623	52.13	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.26%			
35) Dibromofluoromethane	5.397	113	31088	48.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.82%			
50) Toluene-d8	8.653	98	130421	52.36	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.72%			
62) 4-Bromofluorobenzene	11.085	95	48639	52.32	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.64%			
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	79	0.21	ug/l	# 2
10) Methyl Iodide	2.447	142	19	3.90	ug/l	# 42
11) Tert butyl alcohol	2.971	59	108	0.59	ug/l	# 73
14) Allyl chloride	2.794	41	245	0.21	ug/l	# 73
16) Acetone	2.392	43	6634	17.10	ug/l	# 87
17) Carbon Disulfide	2.520	76	230	3.64	ug/l	# 75
18) Methyl Acetate	2.709	43	500	0.52	ug/l	# 65
20) Methylene Chloride	2.794	84	4911	6.71	ug/l	97
25) 2-Butanone	4.580	43	1101	1.82	ug/l	# 84
29) Tetrahydrofuran	5.032	42	229	0.59	ug/l	# 27
31) Cyclohexane	5.556	56	1565	1.27	ug/l	# 34
36) 1,1-Dichloropropene	5.562	75	5352	5.03	ug/l	# 47
38) Carbon Tetrachloride	5.550	117	5883	6.60	ug/l	# 17
41) Methacrylonitrile	5.044	41	194	0.29	ug/l	# 13
43) Isopropyl Acetate	6.348	43	10238	5.17	ug/l	# 92
44) Trichloroethene	7.135	130	151	0.21	ug/l	63
48) Methyl methacrylate	7.805	41	57893	63.18	ug/l	# 38
51) 4-Methyl-2-Pentanone	8.555	43	38026	30.86	ug/l	# 45
54) cis-1,3-Dichloropropene	8.555	75	16304	14.08	ug/l	# 69
56) Ethyl methacrylate	9.256	69	83	2.64	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	10420	7.71	ug/l	# 42
59) 2-Hexanone	9.488	43	145514	155.67	ug/l	# 43
74) N-amyl acetate	10.781	43	321	2.21	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	26540	24.15	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.457	105	587	0.20	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	26540	63.24	ug/l	# 12
89) n-Butylbenzene	12.335	91	595	0.21	ug/l	# 69
93) 1,2,4-Trichlorobenzene	13.597	180	181	0.24	ug/l	# 33
95) Naphthalene	13.786	128	291	2.01	ug/l	# 69

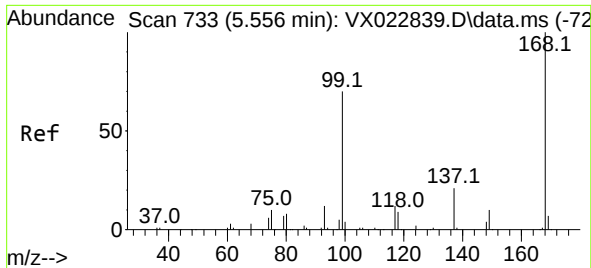
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
Data File : VX022946.D
Acq On : 26 Jun 2021 01:27
Operator : JC/MD
Sample : PB137293ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

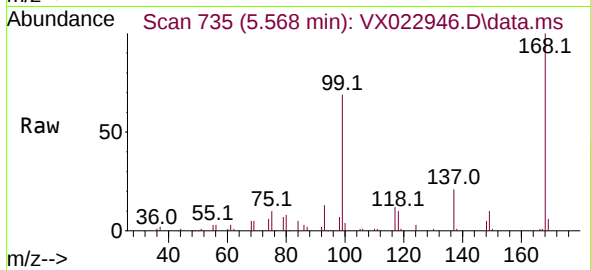
Quant Time: Jun 26 03:58:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
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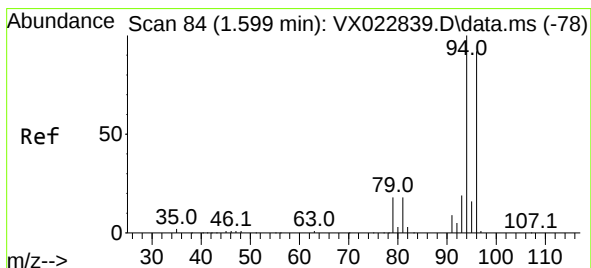
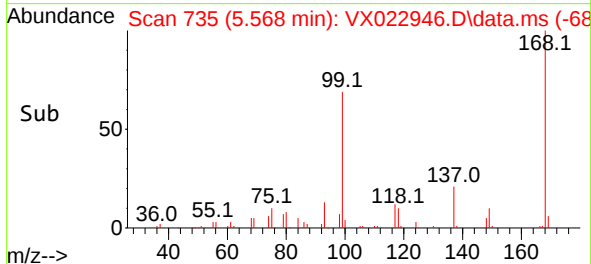
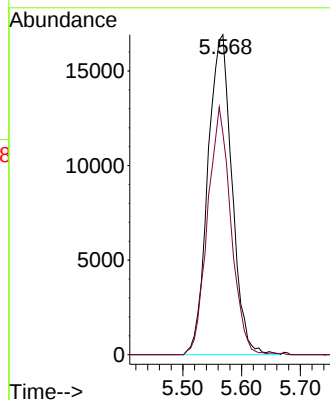


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :

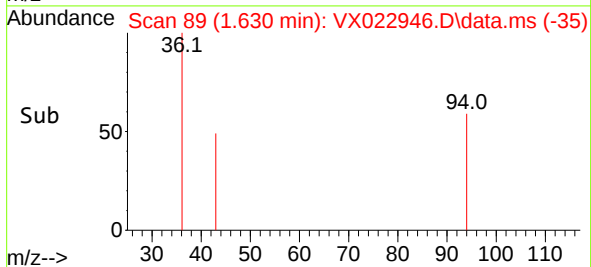
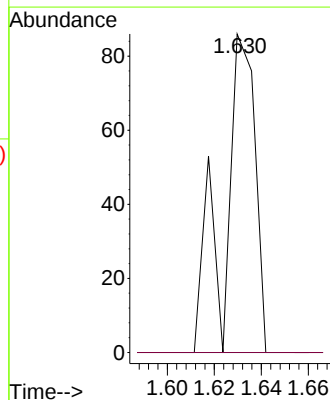
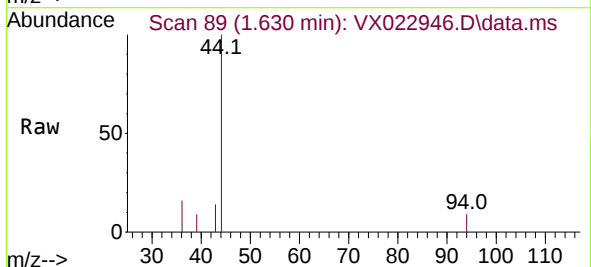


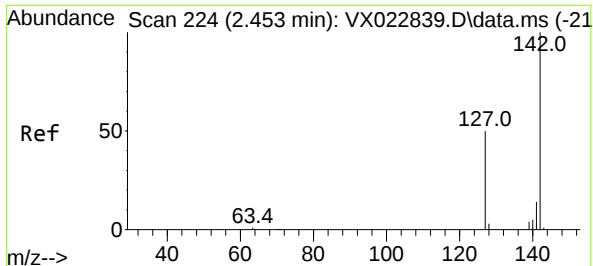
Tgt Ion:168 Resp: 48228
Ion Ratio Lower Upper
168 100
99 69.1 45.8 68.6#



#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#





#10

Methyl Iodide

Concen: 3.90 ug/l

RT: 2.447 min Scan# 223

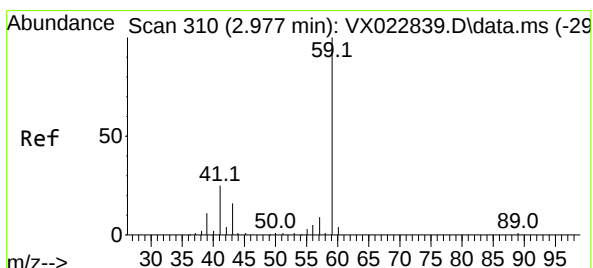
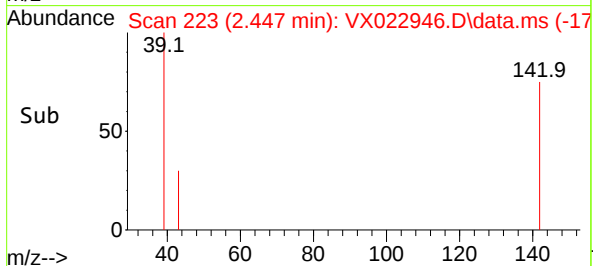
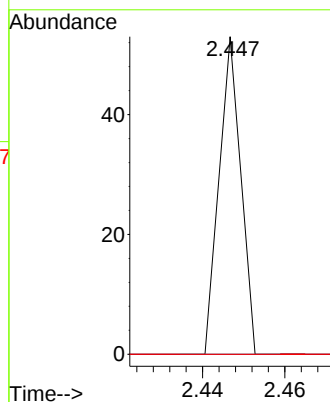
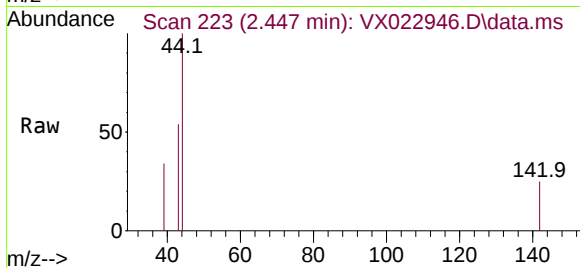
Delta R.T. -0.006 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

Tgt Ion:	142	Resp:	19
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.3	49.9#
141	0.0	11.4	17.0#

Instrument :
MSVOA_X
ClientSampled :



#11

Tert butyl alcohol

Concen: 0.59 ug/l

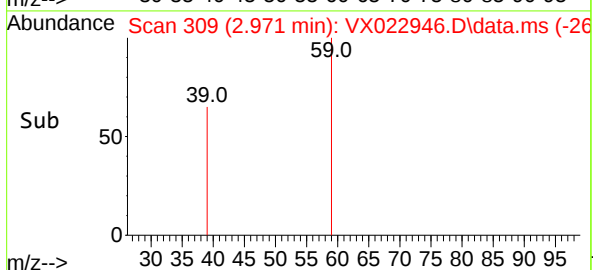
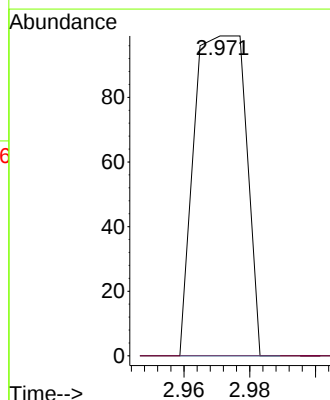
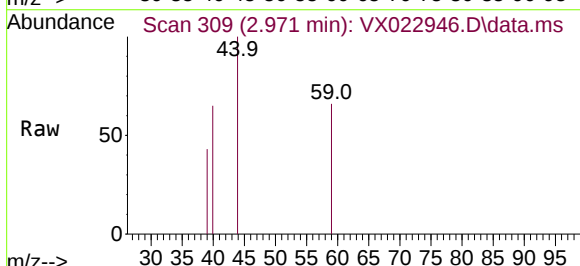
RT: 2.971 min Scan# 309

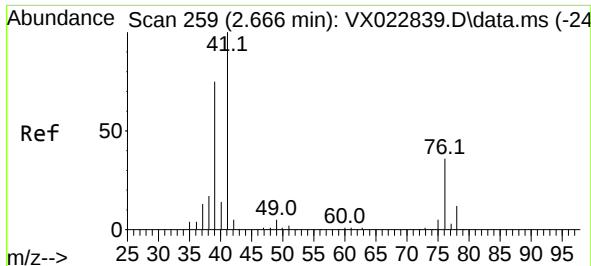
Delta R.T. -0.006 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

Tgt Ion:	59	Resp:	108
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#





#14

Allyl chloride

Concen: 0.21 ug/l

RT: 2.794 min Scan# 280

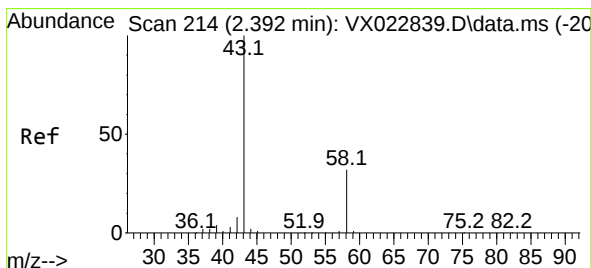
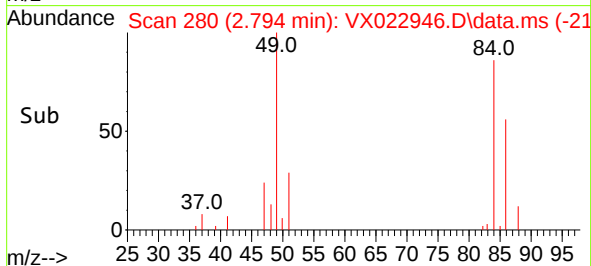
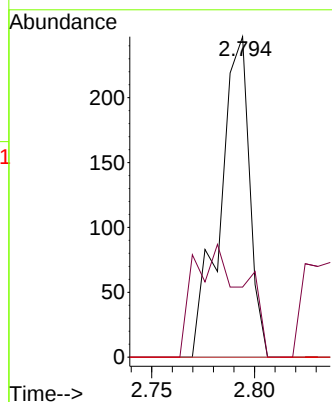
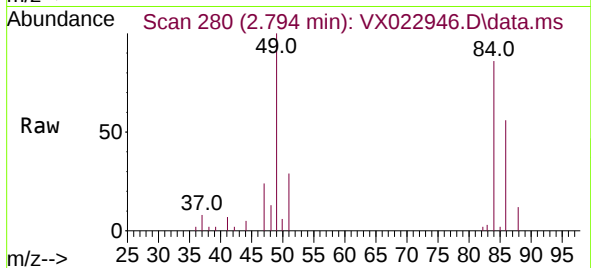
Delta R.T. 0.128 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

Tgt Ion: 41	Resp: 245
Ion Ratio	Lower Upper
41	100
39	59.6 51.6 77.4
76	0.0 30.5 45.7#

Instrument :
MSVOA_X
ClientSampled :



#16

Acetone

Concen: 17.10 ug/l

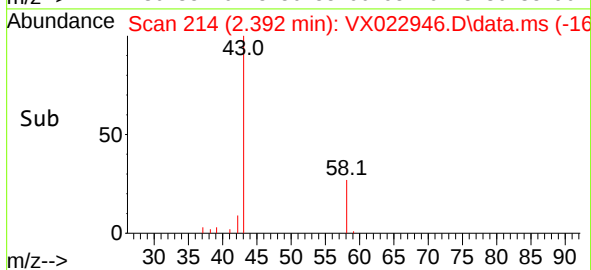
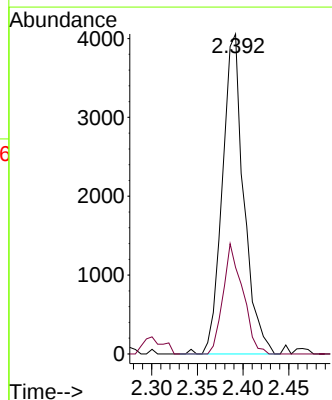
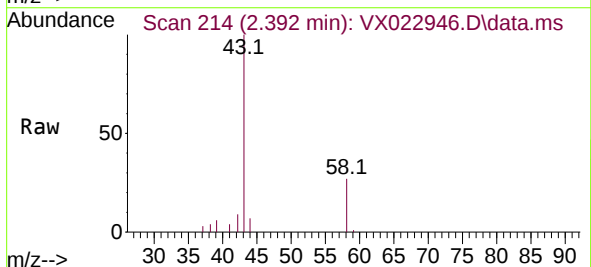
RT: 2.392 min Scan# 214

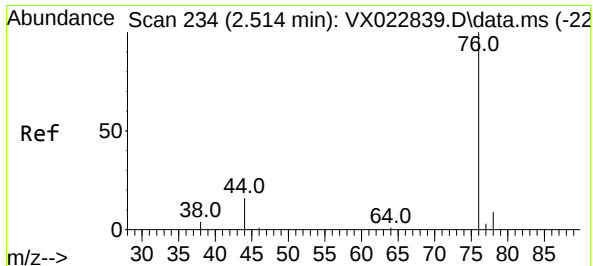
Delta R.T. -0.000 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

Tgt Ion: 43	Resp: 6634
Ion Ratio	Lower Upper
43	100
58	27.0 27.8 41.8#

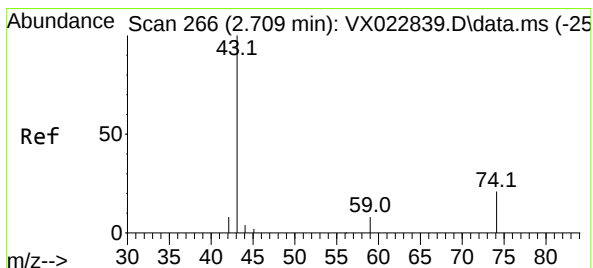
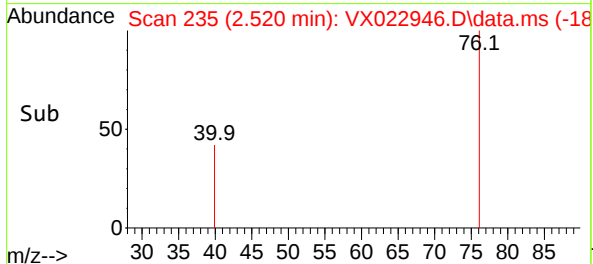
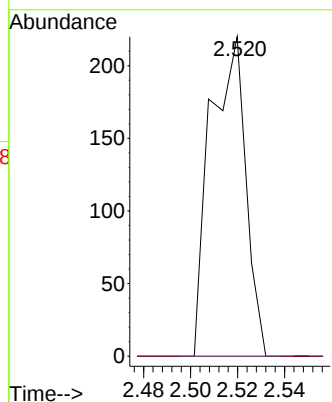
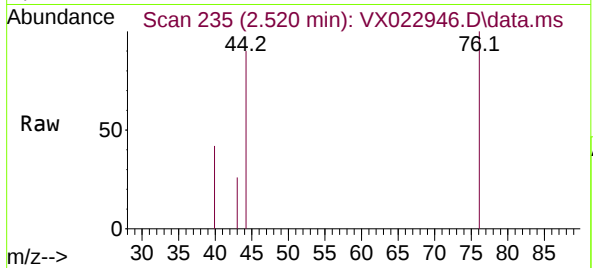




#17
Carbon Disulfide
Concen: 3.64 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

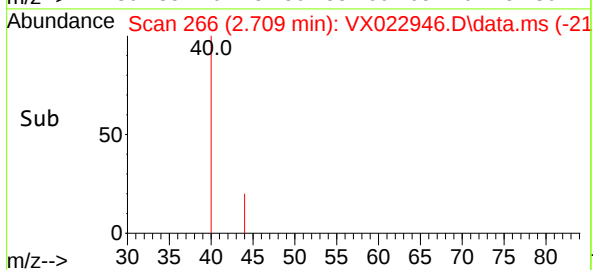
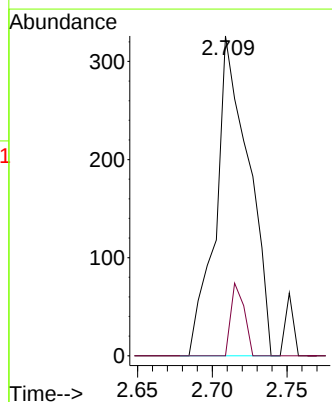
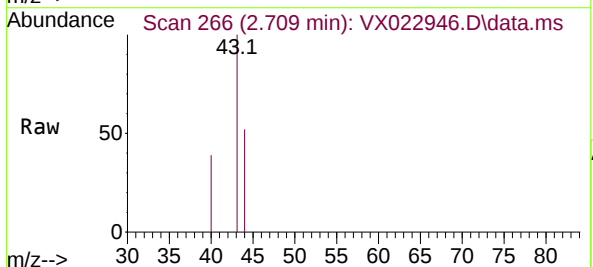
Instrument :
MSVOA_X
ClientSampled :

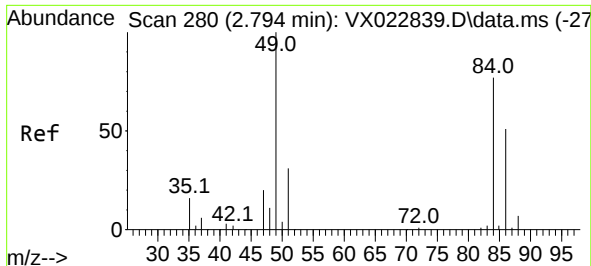
Tgt Ion: 76 Resp: 230
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
74 9.2 21.9 32.9#





#20

Methylene Chloride

Concen: 6.71 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

Tgt Ion: 84 Resp: 4911

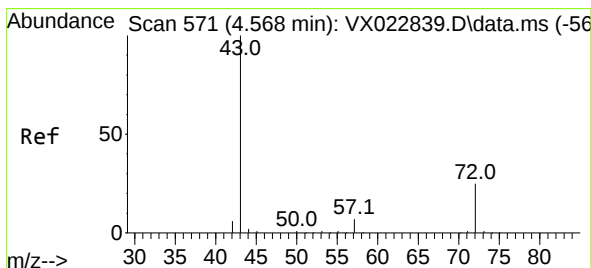
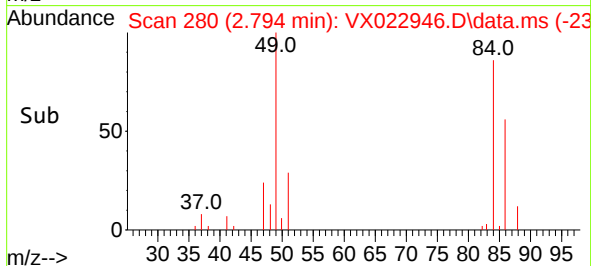
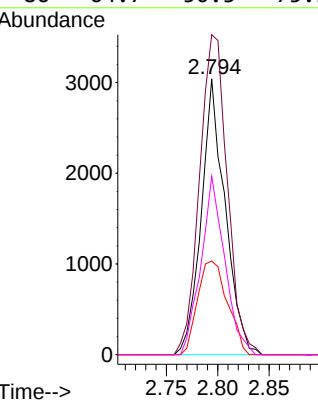
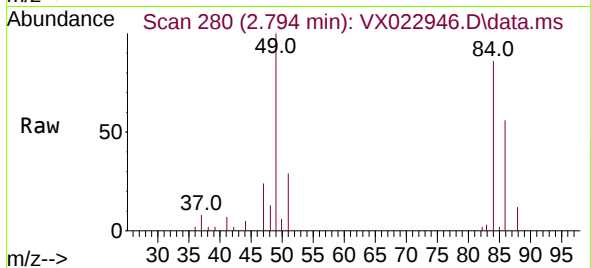
Ion Ratio Lower Upper

84 100

49 116.0 88.6 132.8

51 33.9 27.0 40.6

86 64.7 50.3 75.5



#25

2-Butanone

Concen: 1.82 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX022946.D

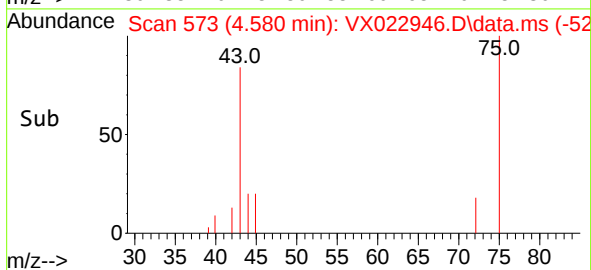
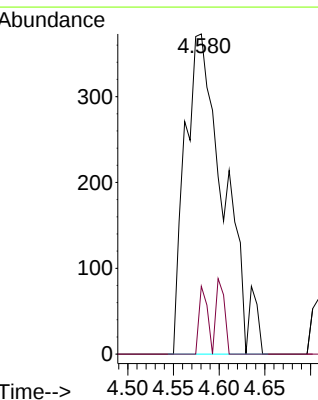
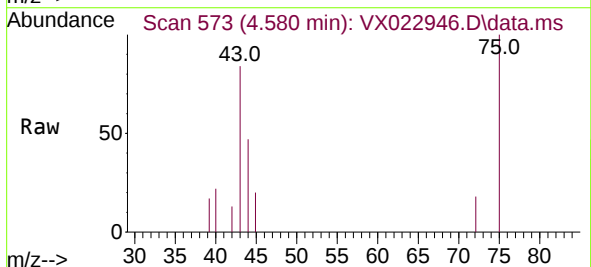
Acq: 26 Jun 2021 01:27

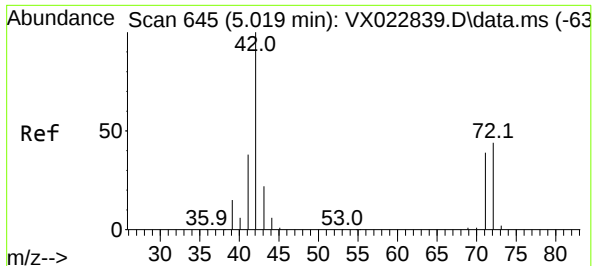
Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

72 21.2 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

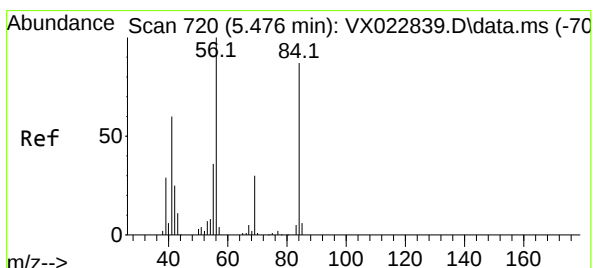
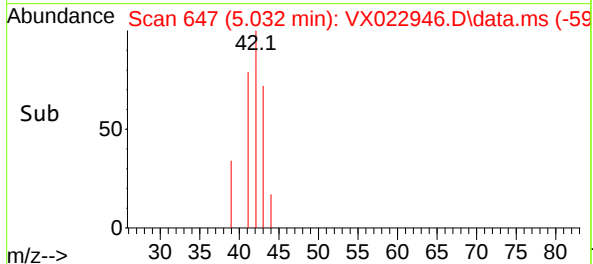
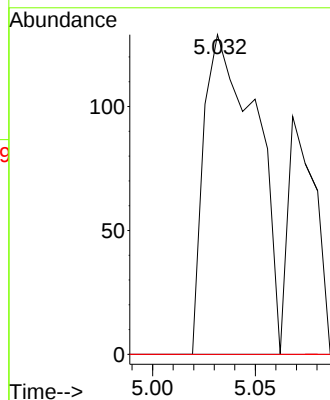
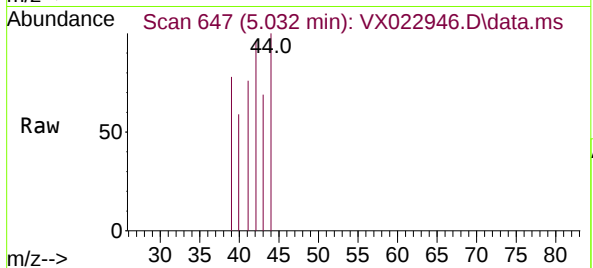
72 0.0 41.7 62.5#

71 0.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.27 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

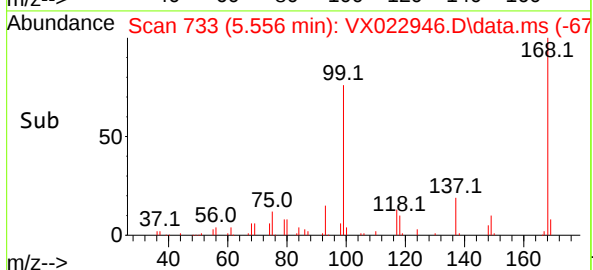
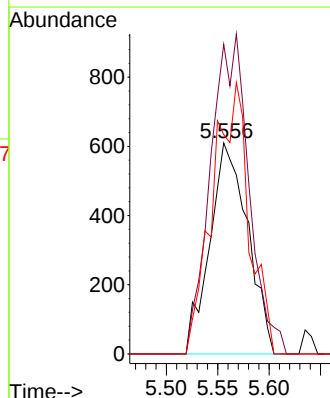
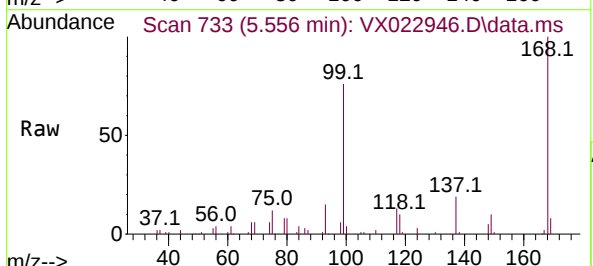
Tgt Ion: 56 Resp: 1565

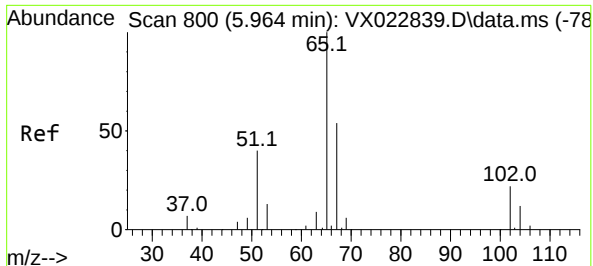
Ion Ratio Lower Upper

56 100

69 146.7 25.3 37.9#

84 103.9 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.13 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022946.D

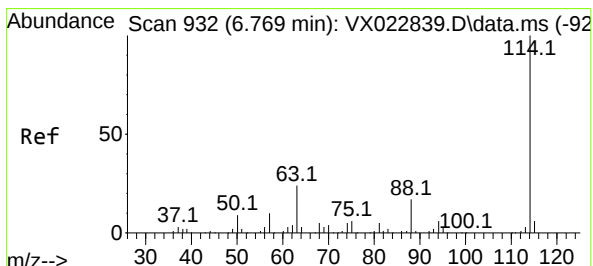
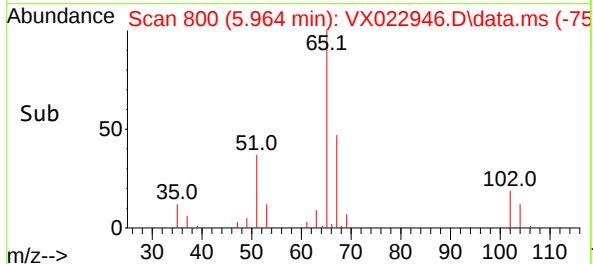
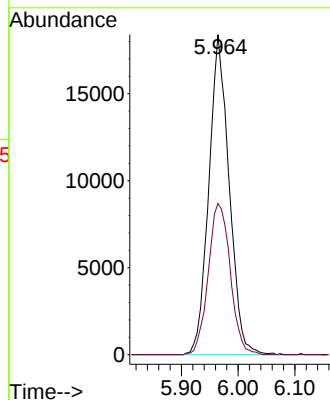
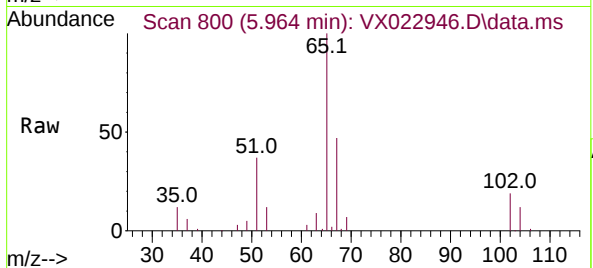
Acq: 26 Jun 2021 01:27

Tgt Ion: 65 Resp: 45623

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

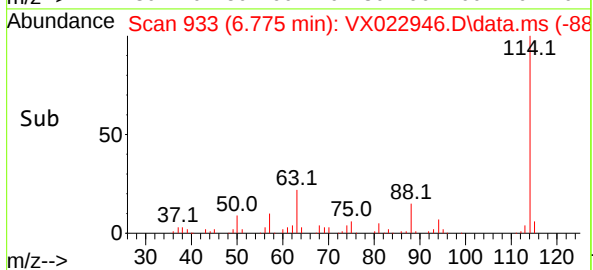
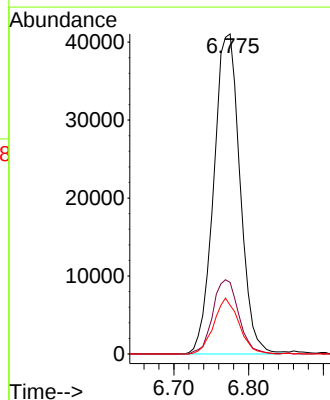
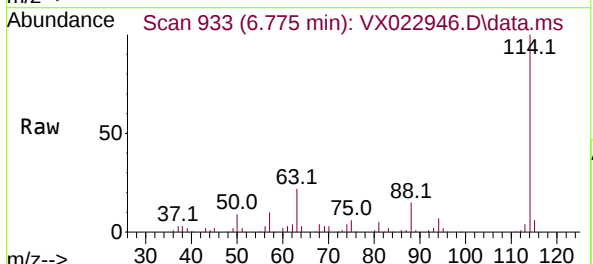
Tgt Ion: 114 Resp: 100085

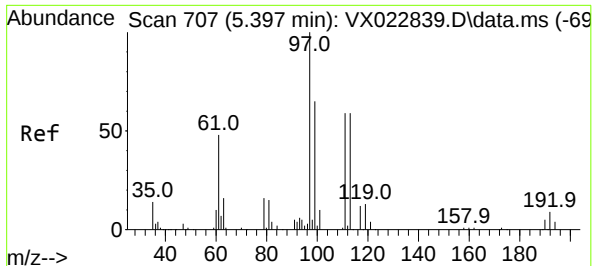
Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.8

88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.91 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

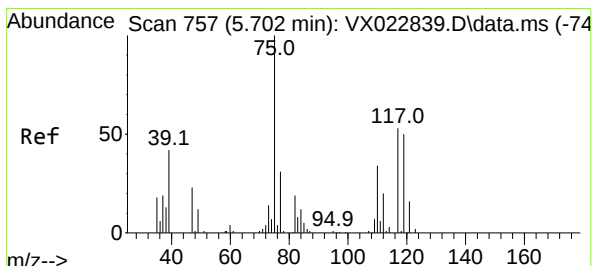
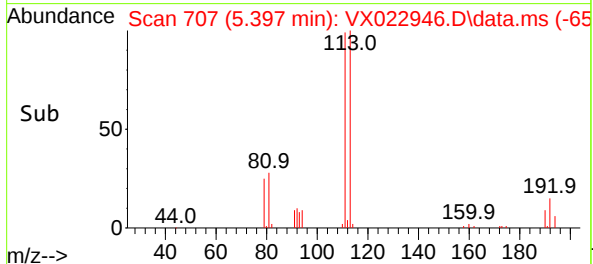
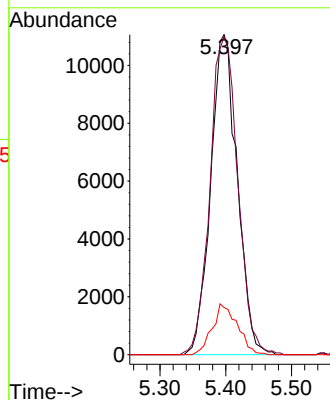
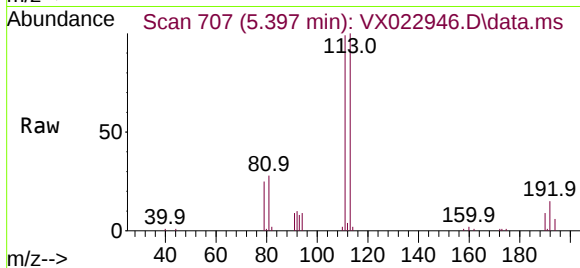
Tgt Ion:113 Resp: 31088

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

192 15.1 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.03 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022946.D

Acq: 26 Jun 2021 01:27

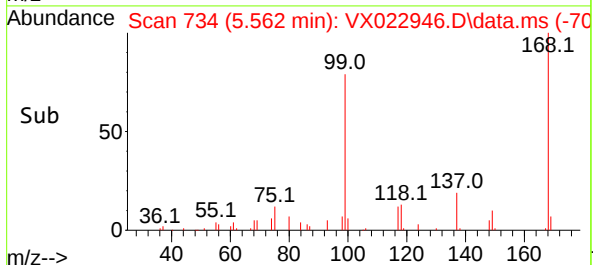
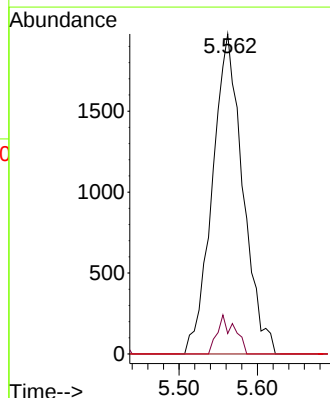
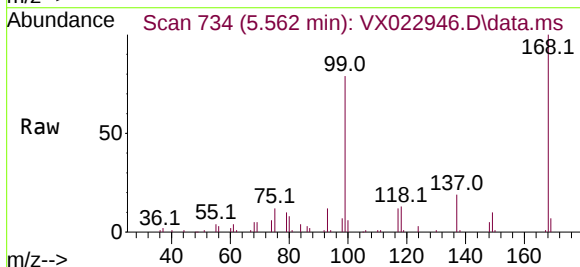
Tgt Ion: 75 Resp: 5352

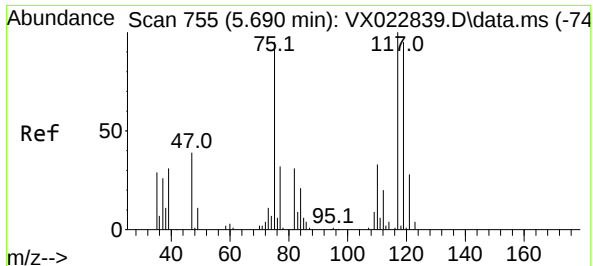
Ion Ratio Lower Upper

75 100

110 6.9 18.1 54.4#

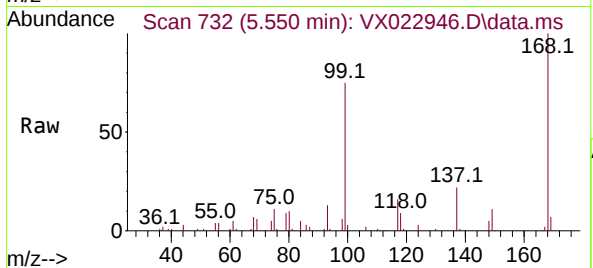
77 0.0 25.3 37.9#



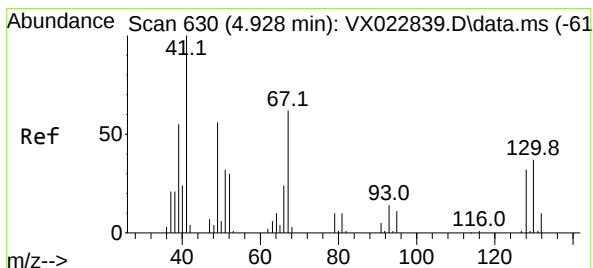
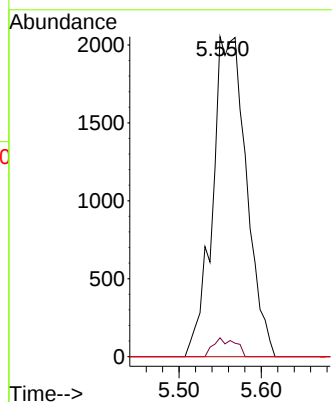
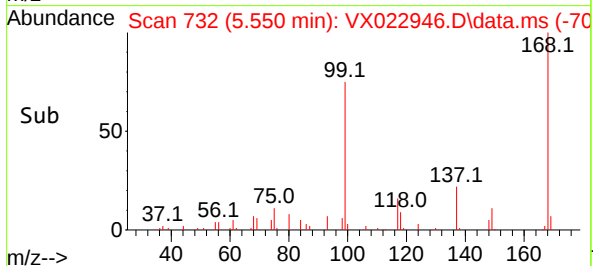


#38
Carbon Tetrachloride
Concen: 6.60 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

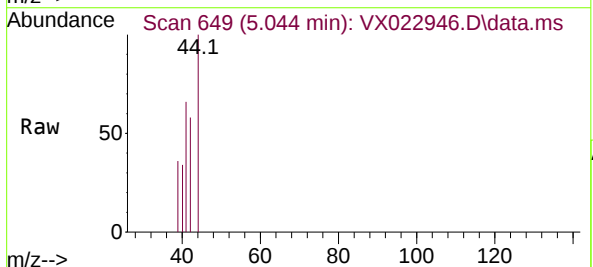
Instrument :
MSVOA_X
ClientSampleId :



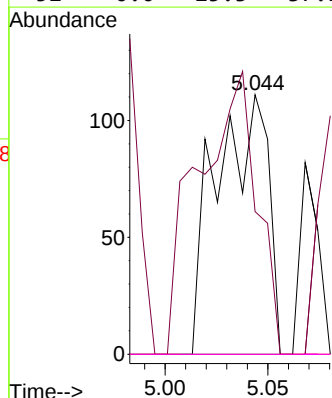
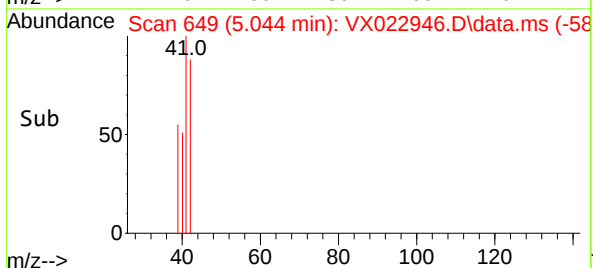
Tgt Ion:117 Resp: 5883
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#

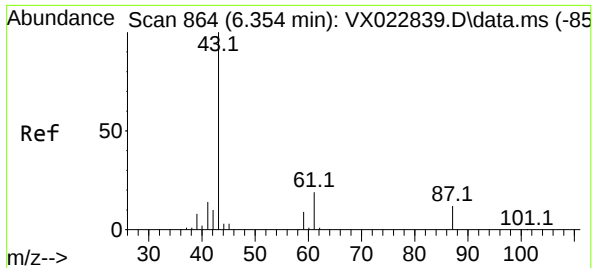


#41
Methacrylonitrile
Concen: 0.29 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27



Tgt Ion: 41 Resp: 194
Ion Ratio Lower Upper
41 100
39 123.7 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

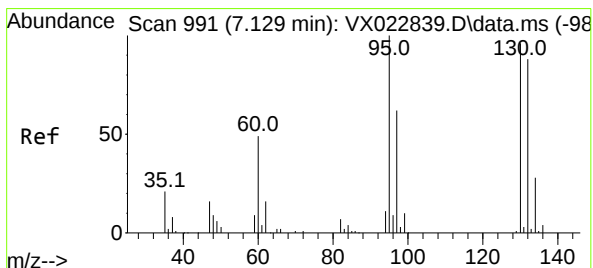
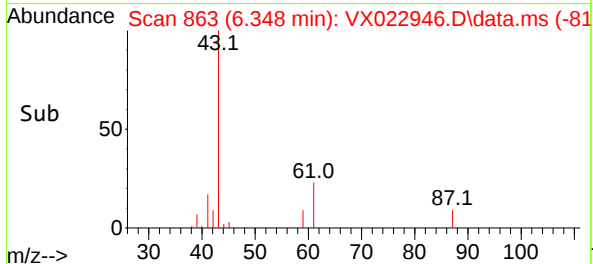
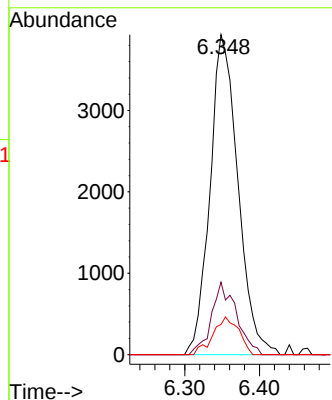
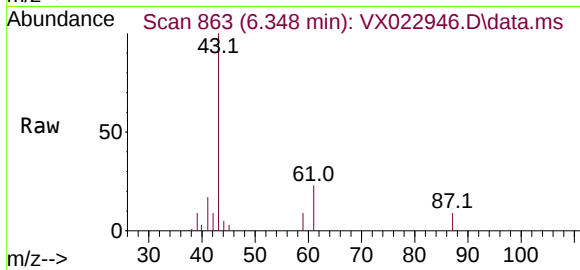




#43
Isopropyl Acetate
Concen: 5.17 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

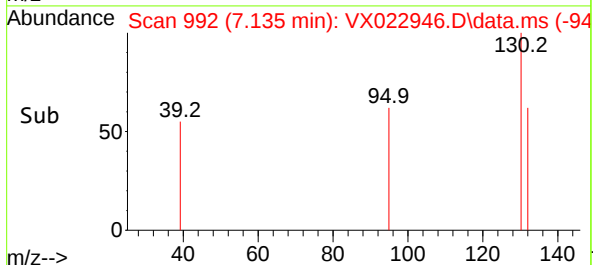
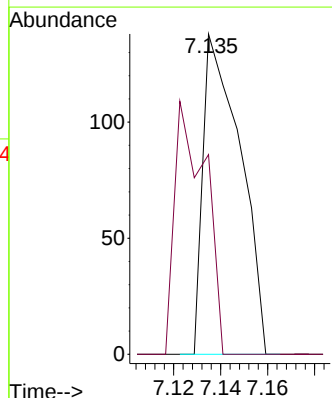
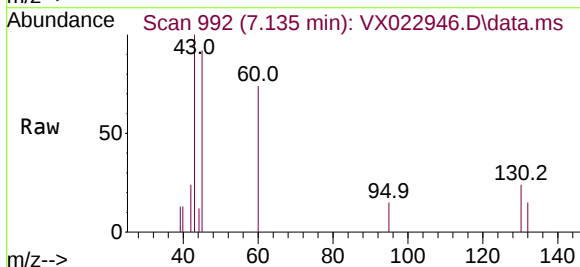
Instrument :
MSVOA_X
ClientSampled :

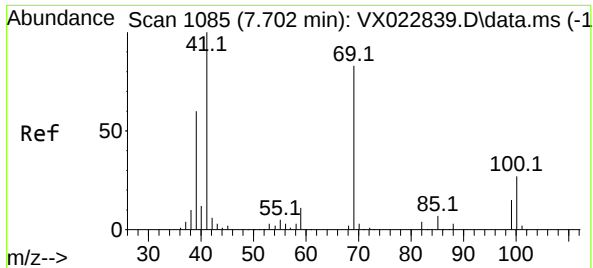
Tgt Ion: 43 Resp: 10238
Ion Ratio Lower Upper
43 100
61 20.3 18.2 27.4
87 10.8 12.5 18.7#



#44
Trichloroethene
Concen: 0.21 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion:130 Resp: 151
Ion Ratio Lower Upper
130 100
95 62.3 0.0 198.0

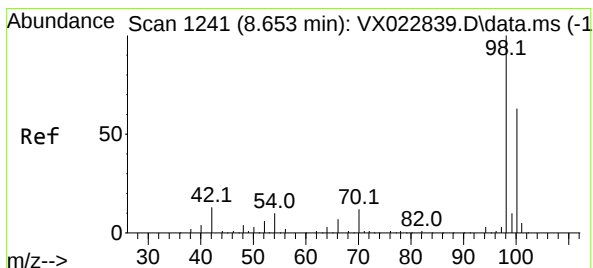
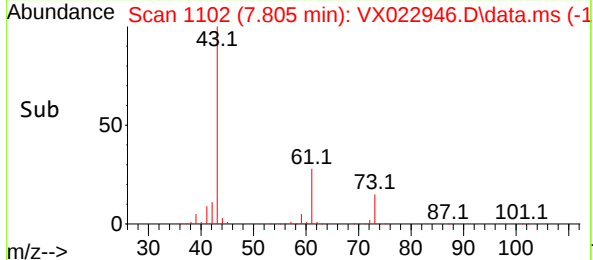
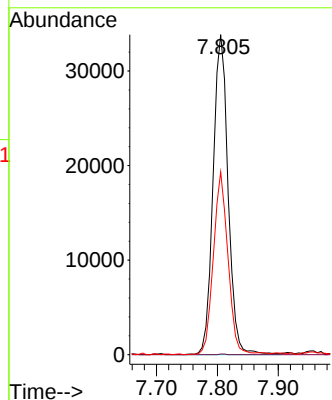
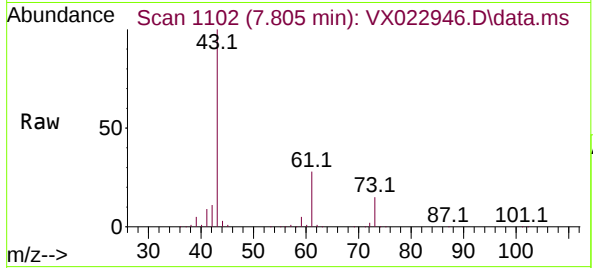




#48
Methyl methacrylate
Concen: 63.18 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

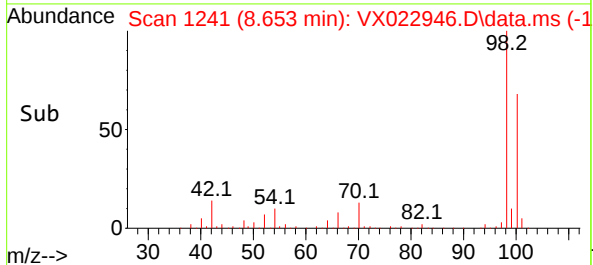
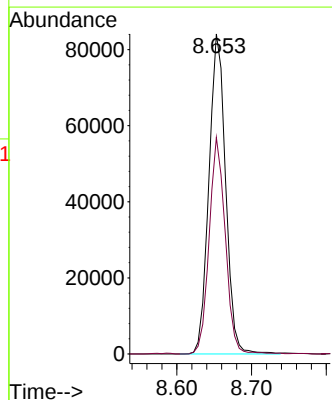
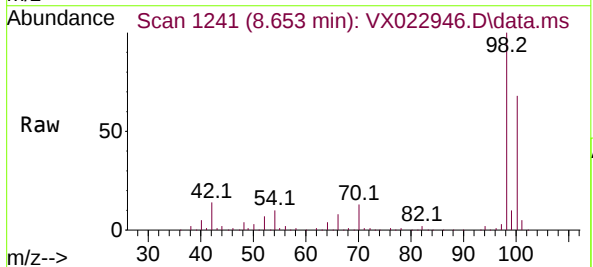
Instrument :
MSVOA_X
ClientSampled :

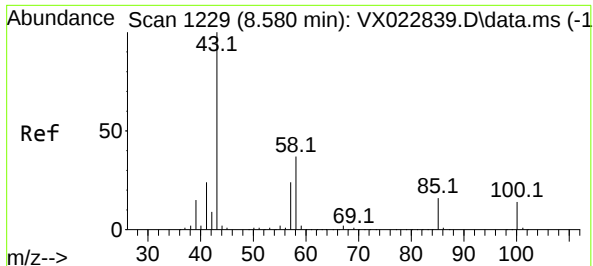
Tgt Ion: 41 Resp: 57893
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 55.3 44.6 67.0



#50
Toluene-d8
Concen: 52.36 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 98 Resp: 130421
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

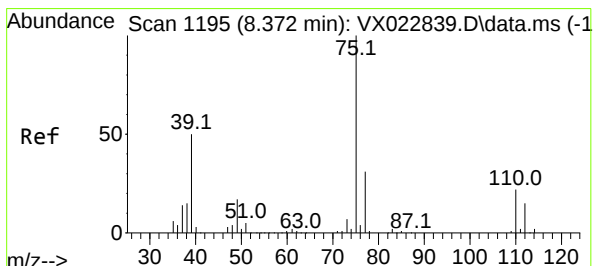
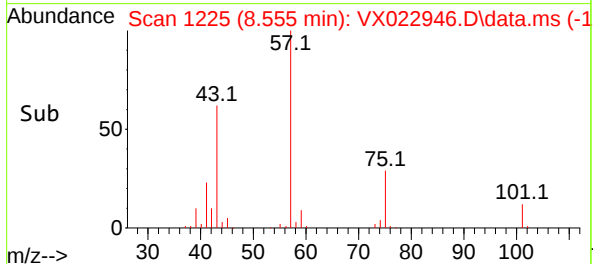
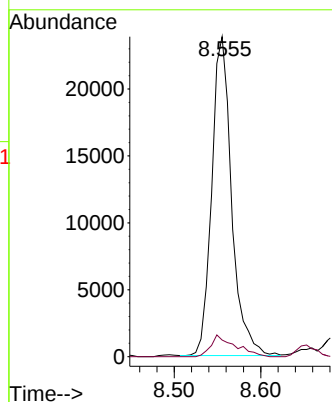
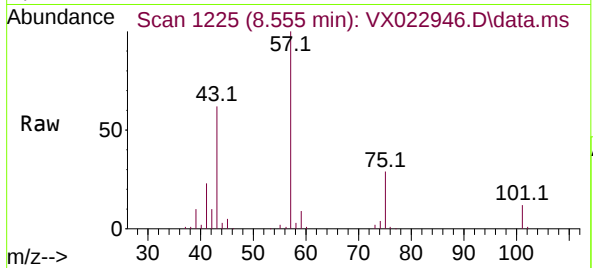




#51
4-Methyl-2-Pentanone
Concen: 30.86 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

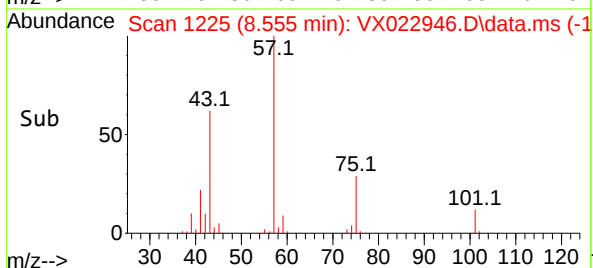
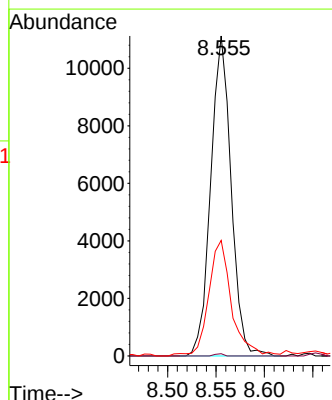
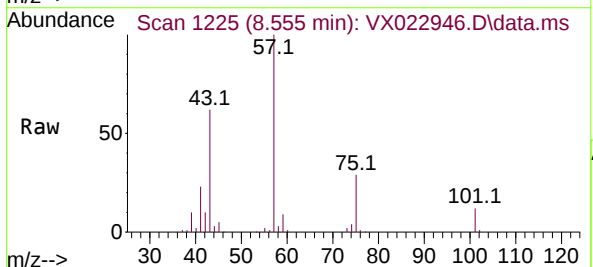
Instrument :
MSVOA_X
ClientSampled :

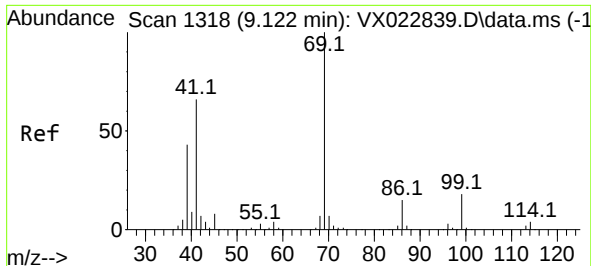
Tgt Ion: 43 Resp: 38026
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 14.08 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 75 Resp: 16304
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 35.6 35.1 52.7

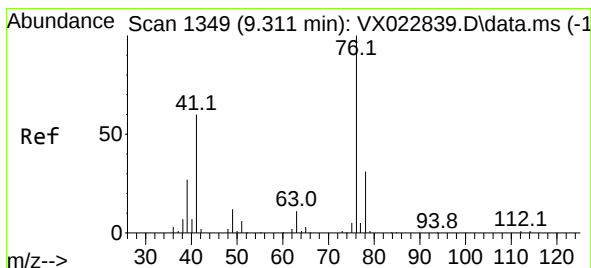
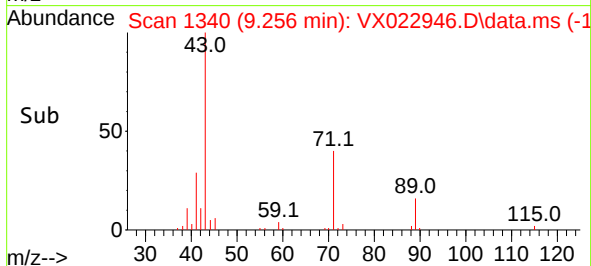
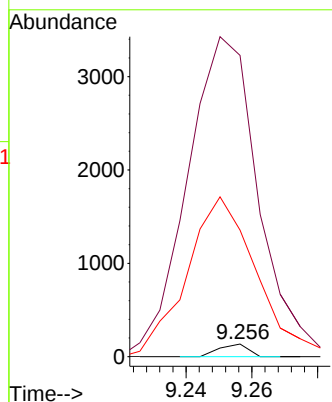
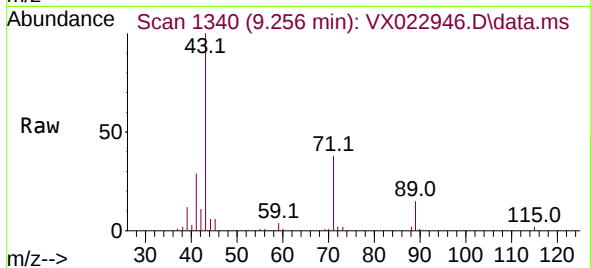




#56
Ethyl methacrylate
Concen: 2.64 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.134 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

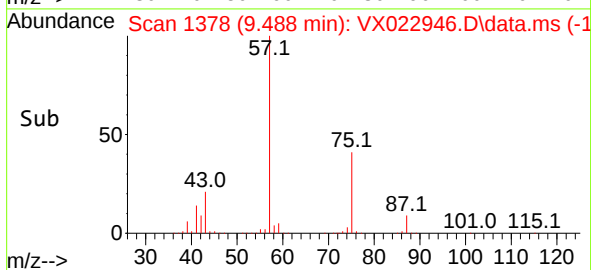
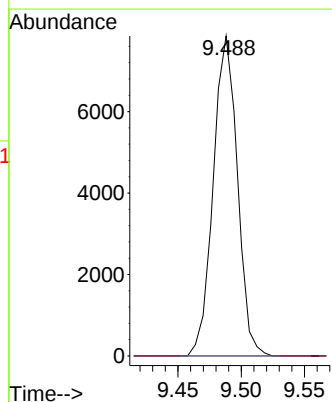
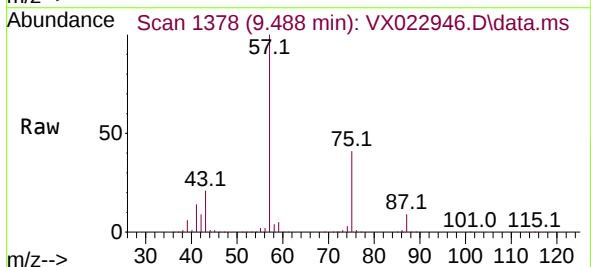
Instrument :
MSVOA_X
ClientSampleId :

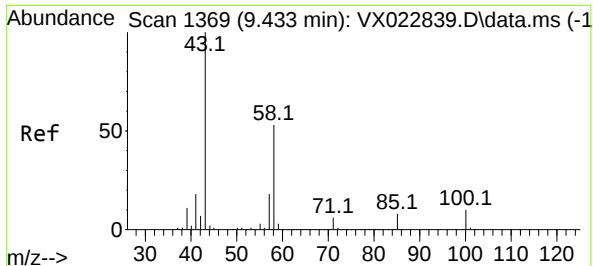
Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 6242.2 46.8 70.2#
39 3089.2 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.71 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 76 Resp: 10420
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

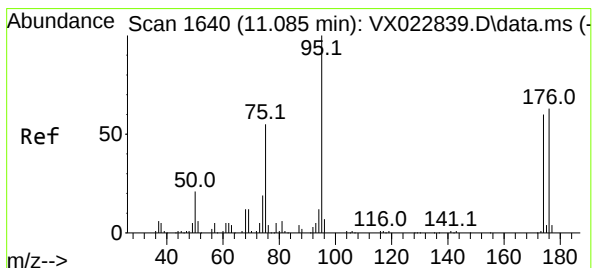
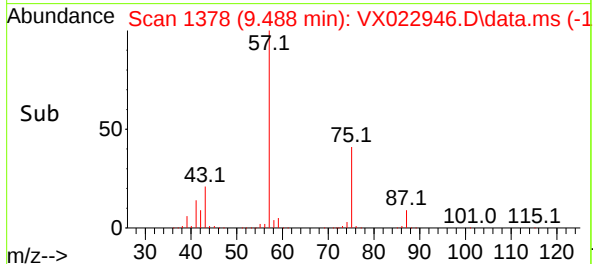
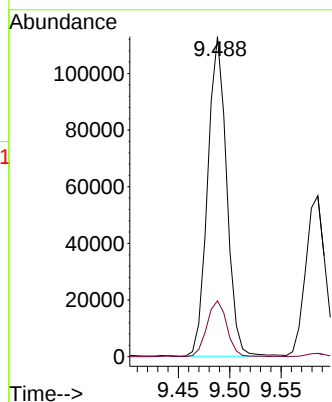
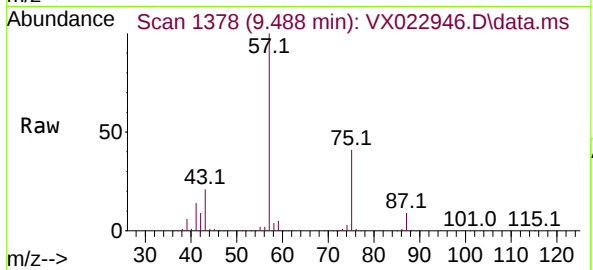




#59
2-Hexanone
Concen: 155.67 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

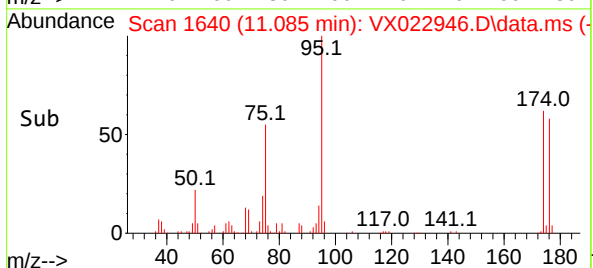
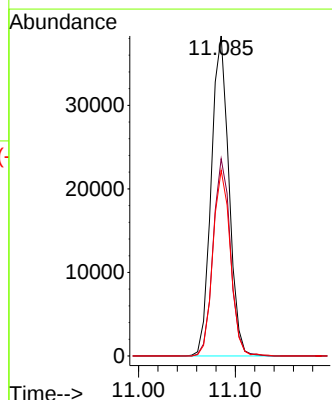
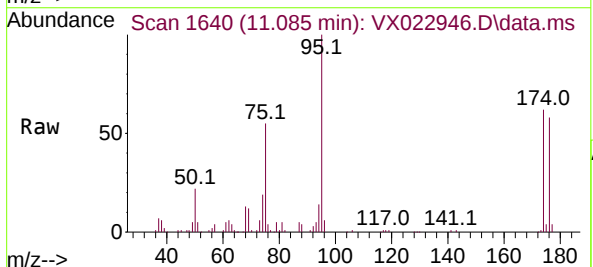
Instrument :
MSVOA_X
ClientSampled :

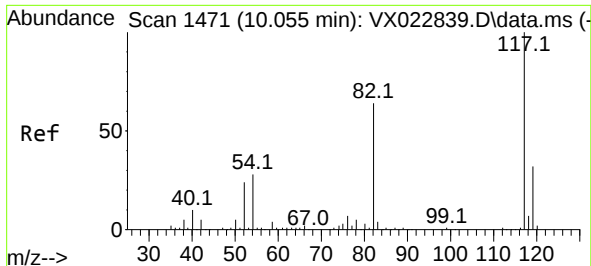
Tgt Ion: 43 Resp: 145514
Ion Ratio Lower Upper
43 100
58 18.3 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.32 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 95 Resp: 48639
Ion Ratio Lower Upper
95 100
174 60.2 0.0 154.6
176 57.7 0.0 155.8

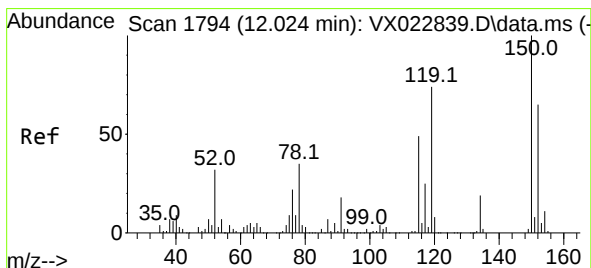
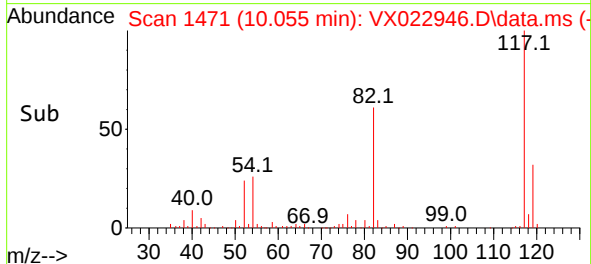
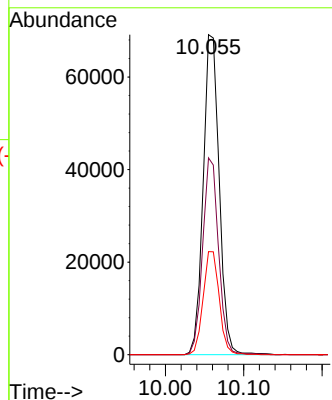
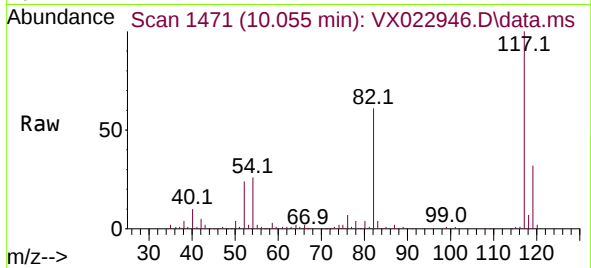




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

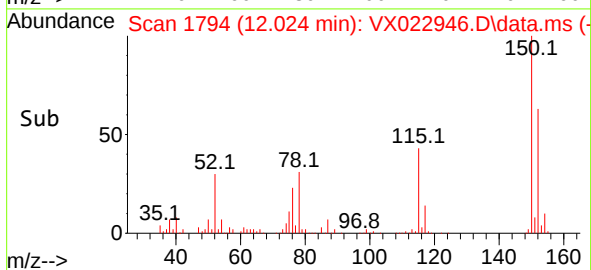
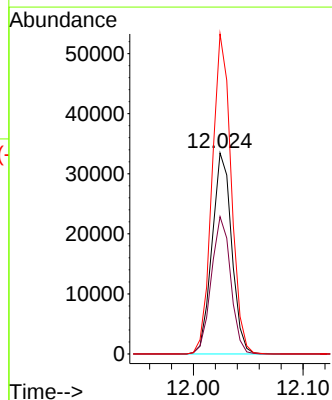
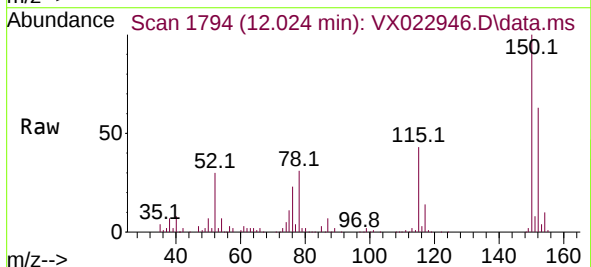
Instrument :
MSVOA_X
ClientSampled :

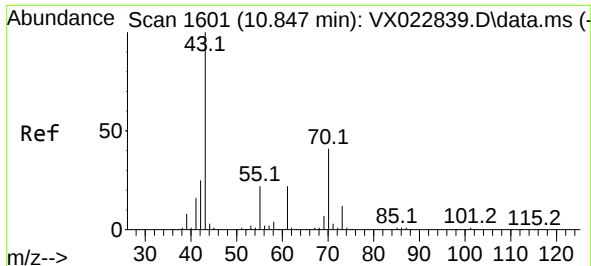
Tgt Ion:117 Resp: 98155
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion:152 Resp: 41613
Ion Ratio Lower Upper
152 100
115 67.2 41.1 123.3
150 154.5 0.0 349.0

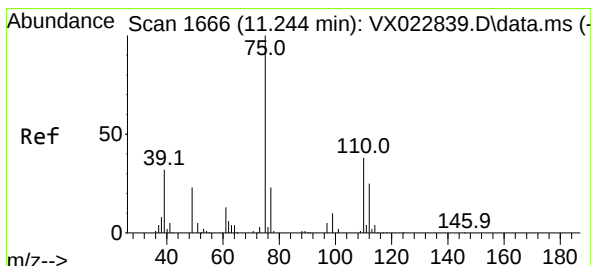
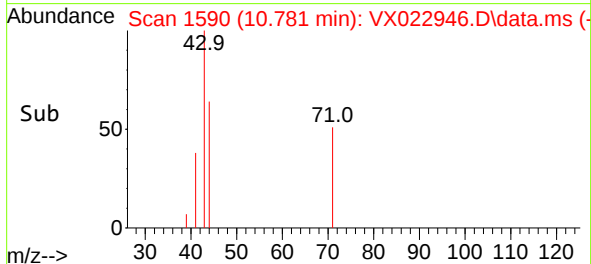
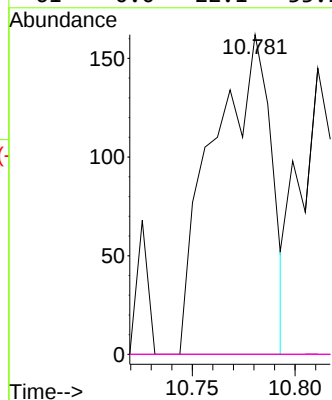
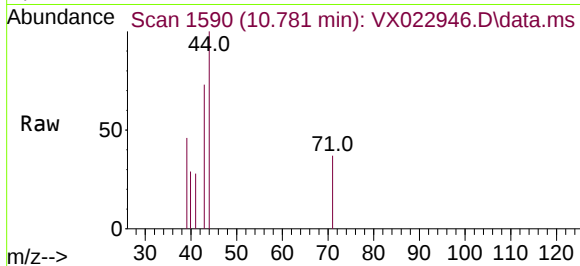




#74
N-amy1 acetate
Concen: 2.21 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.066 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

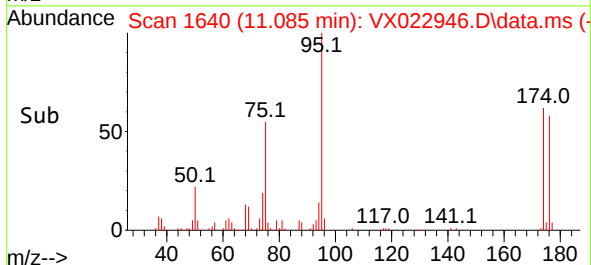
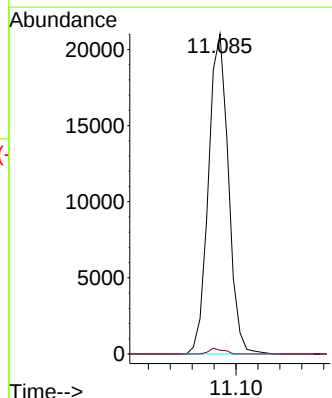
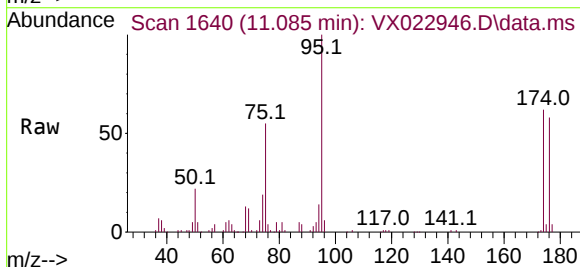
Instrument :
MSVOA_X
ClientSampleId :

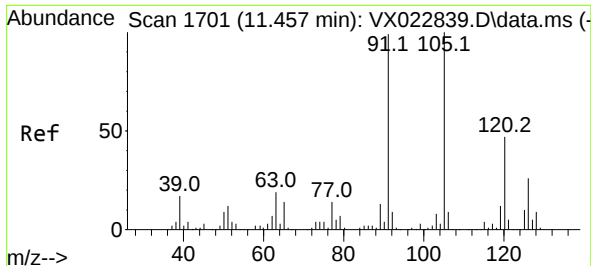
Tgt Ion: 43	Resp:	321
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 24.15 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 75	Resp:	26540
Ion	Ratio	Lower Upper
75	100	
77	1.3	19.1 57.5#

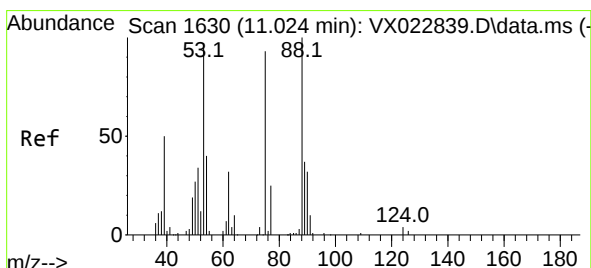
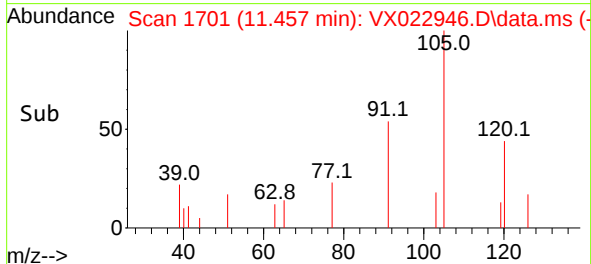
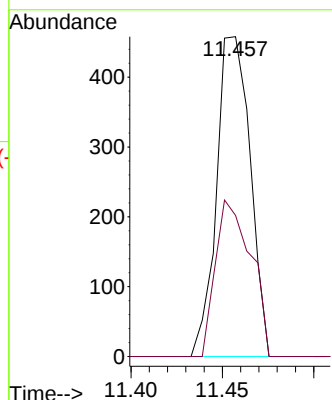
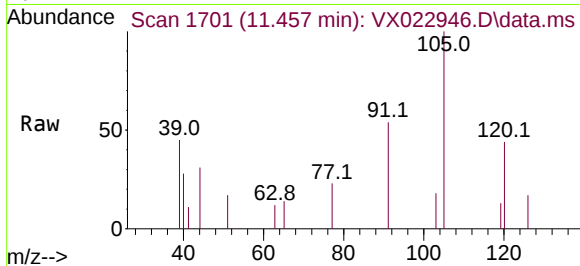




#80
1,3,5-Trimethylbenzene
Concen: 0.20 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

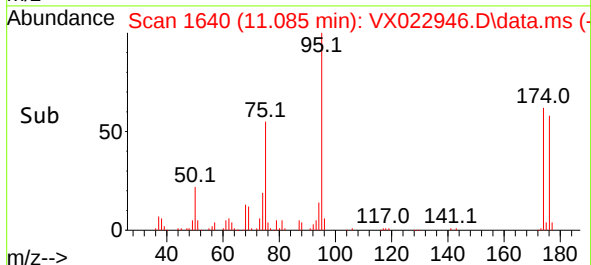
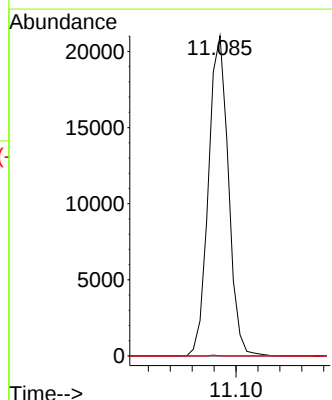
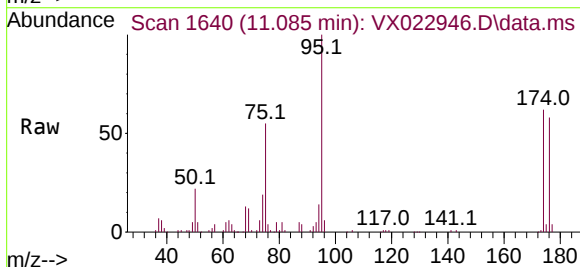
Instrument :
MSVOA_X
ClientSampled :

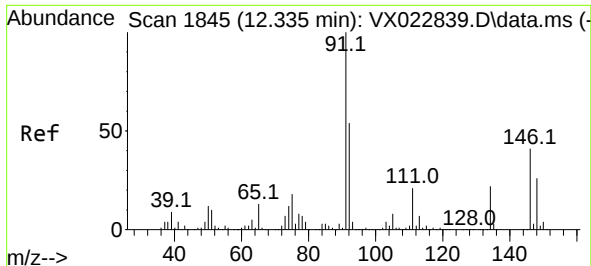
Tgt Ion:105 Resp: 587
Ion Ratio Lower Upper
105 100
120 51.3 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 63.24 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Tgt Ion: 75 Resp: 26540
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

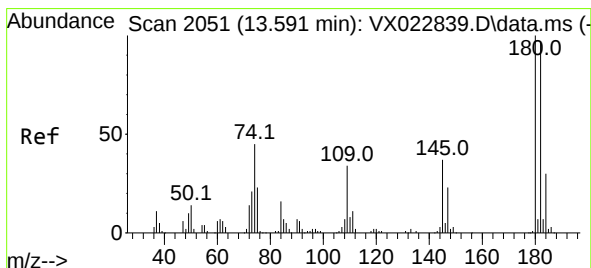
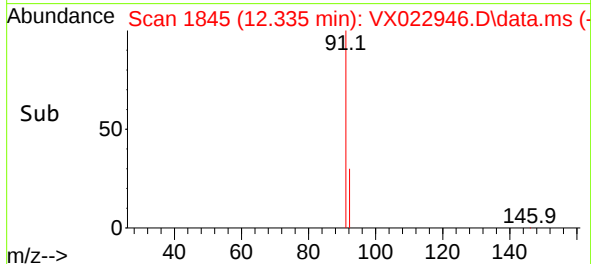
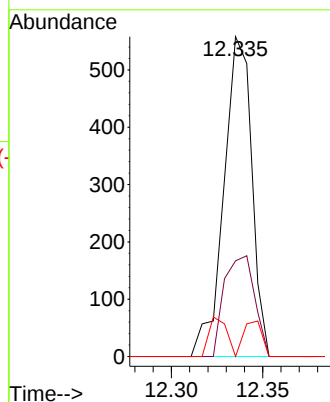
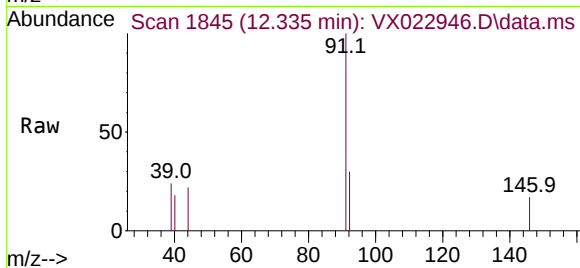




#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

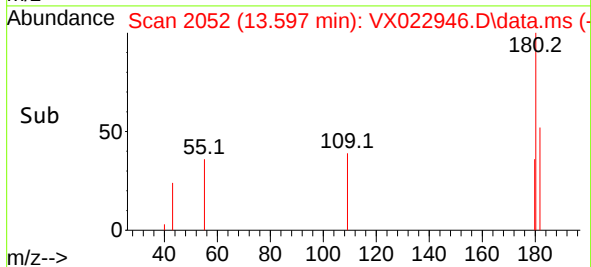
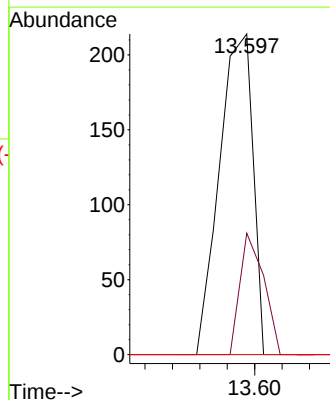
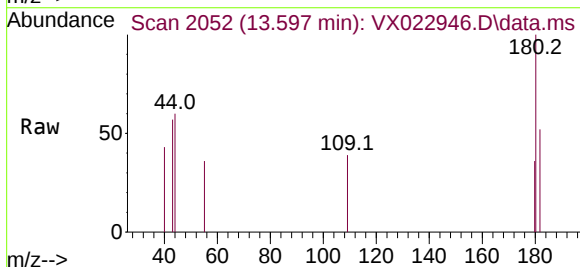
Instrument :
MSVOA_X
ClientSampled :

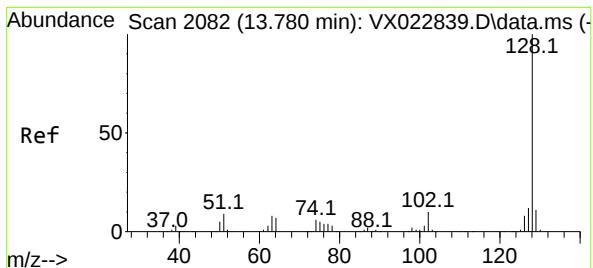
Tgt Ion: 91	Resp:	595
Ion	Ratio	Lower Upper
91	100	
92	34.1	27.4 82.0
134	7.4	13.2 39.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

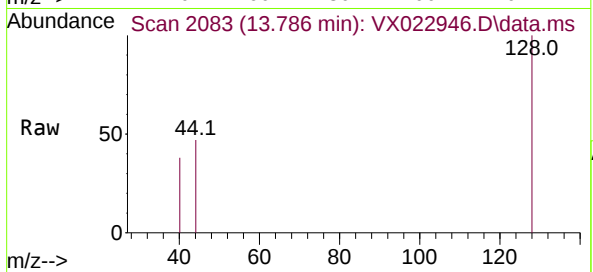
Tgt Ion: 180	Resp:	181
Ion	Ratio	Lower Upper
180	100	
182	27.1	47.7 143.1#
145	0.0	15.0 45.0#





#95
Naphthalene
Concen: 2.01 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022946.D
Acq: 26 Jun 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 291
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

