

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060621\
 Data File : VX022514.D
 Acq On : 07 Jun 2021 06:17
 Operator : JC/MD
 Sample : PB136857ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136857ZHE#08

Quant Time: Jun 07 07:03:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

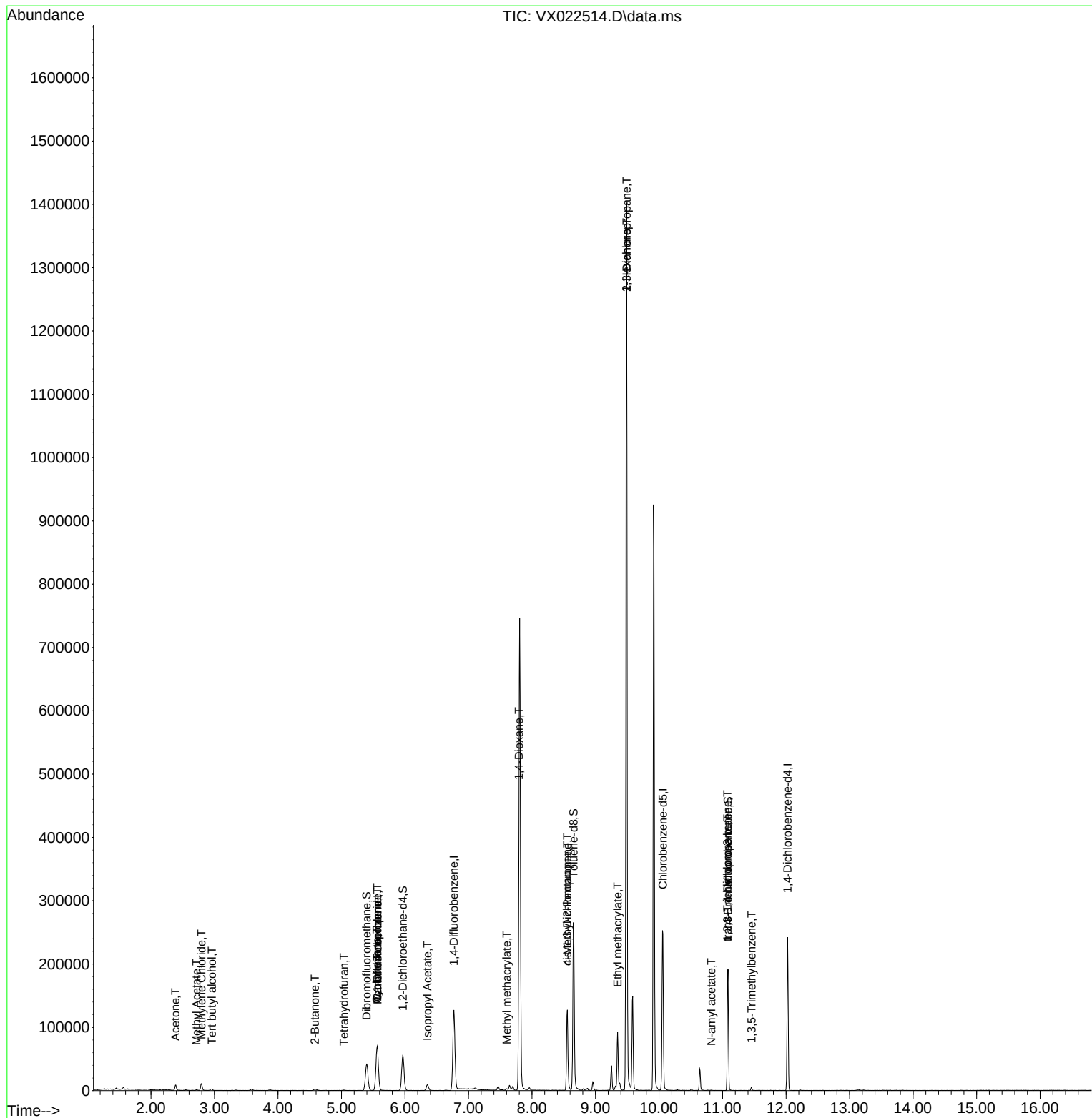
Internal Standards						
1) Pentafluorobenzene	5.568	168	57615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	122559	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	110117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50679	57.023	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.040%			
35) Dibromofluoromethane	5.397	113	36406	46.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.680%			
50) Toluene-d8	8.653	98	150761	50.356	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.085	95	52378	47.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.660%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	1493	7.345	ug/l #	73
16) Acetone	2.386	43	8908	23.019	ug/l #	87
18) Methyl Acetate	2.715	43	1565	1.521	ug/l #	81
20) Methylene Chloride	2.794	84	4476	5.209	ug/l	93
25) 2-Butanone	4.580	43	1890	3.019	ug/l	93
29) Tetrahydrofuran	5.038	42	598	1.605	ug/l #	42
31) Cyclohexane	5.556	56	1735	1.553	ug/l #	25
36) 1,1-Dichloropropene	5.562	75	5732	5.058	ug/l #	48
38) Carbon Tetrachloride	5.562	117	7134	6.435	ug/l #	16
43) Isopropyl Acetate	6.354	43	12184	5.362	ug/l	93
48) Methyl methacrylate	7.604	41	3528	3.369	ug/l #	10
49) 1,4-Dioxane	7.793	88	33	1.618	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	44438	32.647	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	20012	13.354	ug/l #	67
56) Ethyl methacrylate	9.348	69	415	0.286	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	11954	7.810	ug/l #	42
59) 2-Hexanone	9.488	43	161499	157.754	ug/l #	44
74) N-amyl acetate	10.823	43	377	0.219	ug/l #	38
76) 1,2,3-Trichloropropane	11.079	75	27837	26.334	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	2326	0.774	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	27837	62.395	ug/l #	12

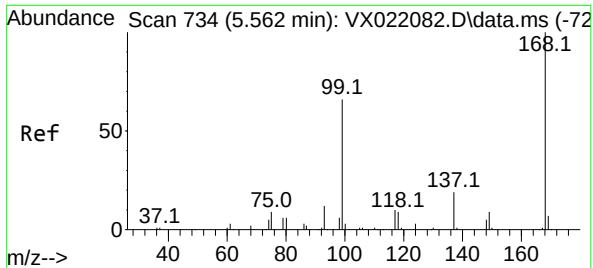
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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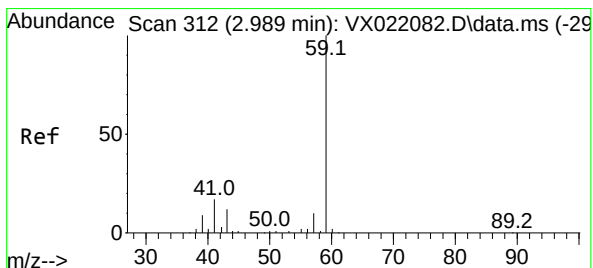
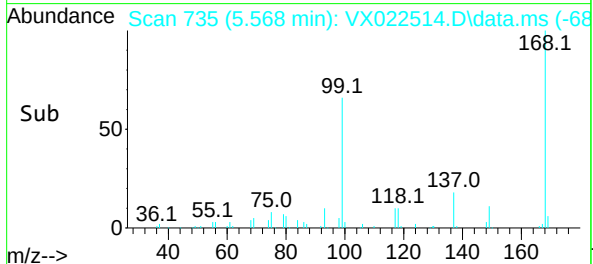
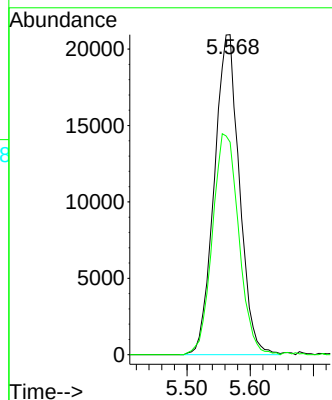
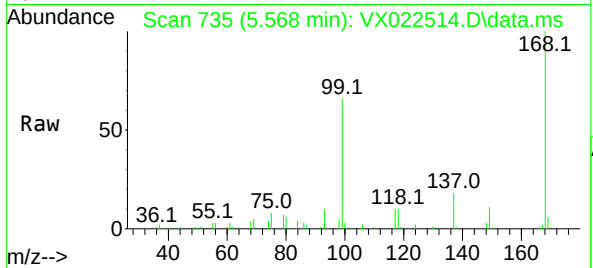




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

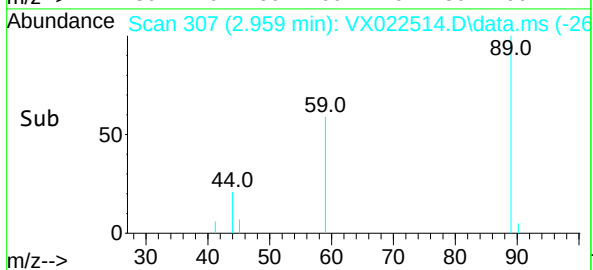
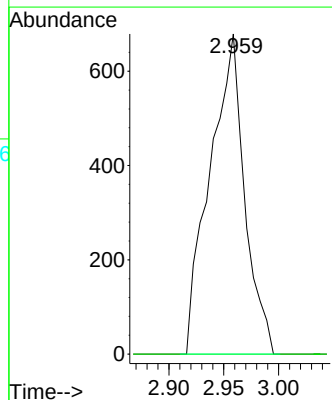
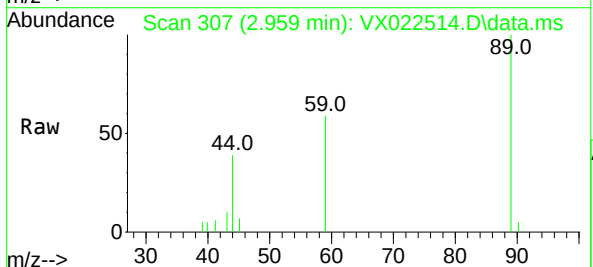
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

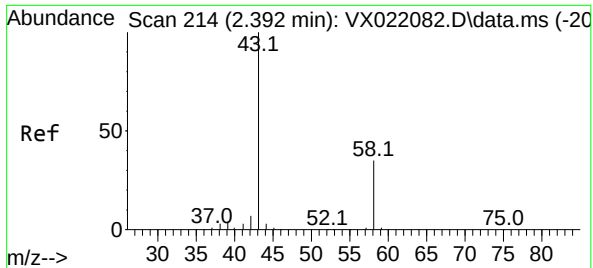
Tgt Ion:168 Resp: 57615
Ion Ratio Lower Upper
168 100
99 66.4 45.8 68.6



#11
Tert butyl alcohol
Concen: 7.345 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 59 Resp: 1493
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

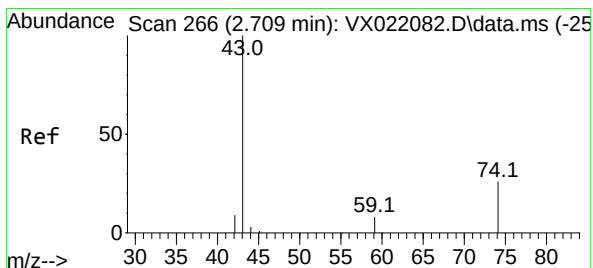
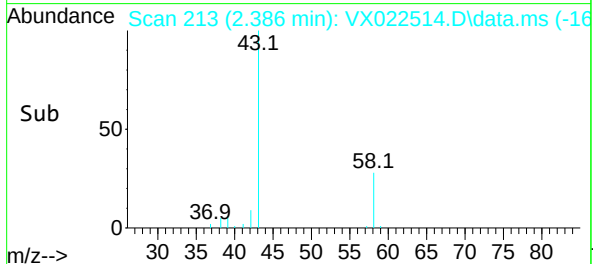
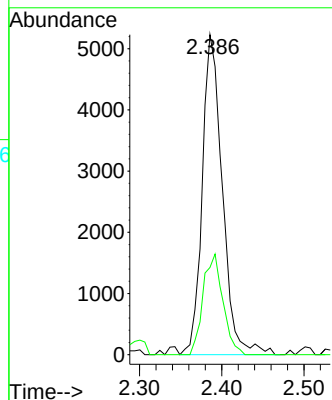
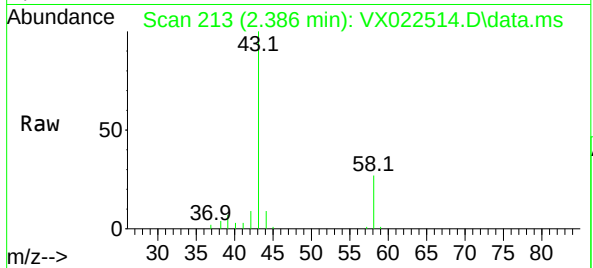




#16
Acetone
Concen: 23.019 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

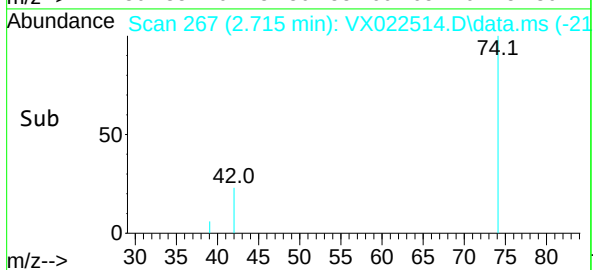
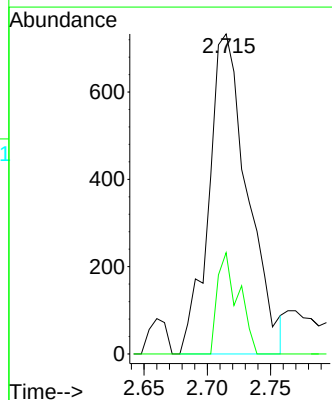
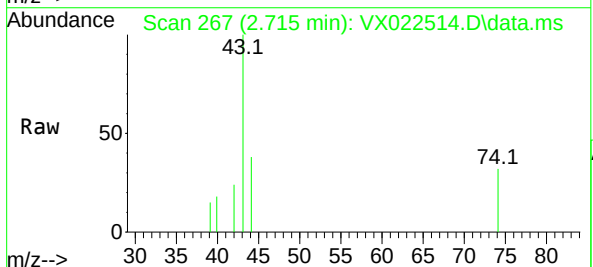
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

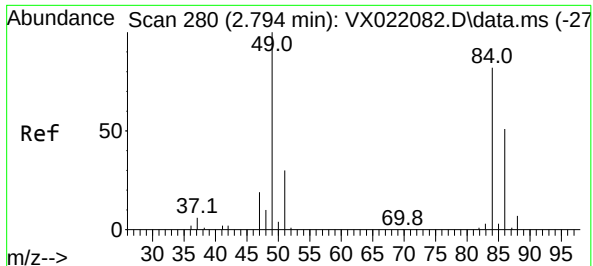
Tgt Ion: 43 Resp: 8908
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#



#18
Methyl Acetate
Concen: 1.521 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
74 17.3 21.9 32.9#





#20

Methylene Chloride

Concen: 5.209 ug/l

RT: 2.794 min Scan# 280

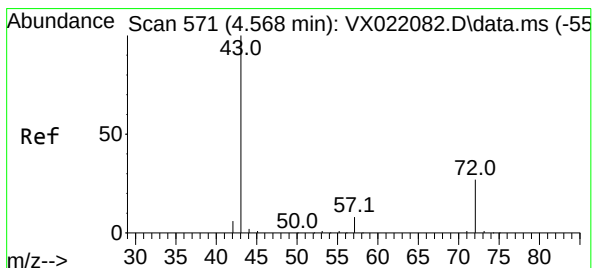
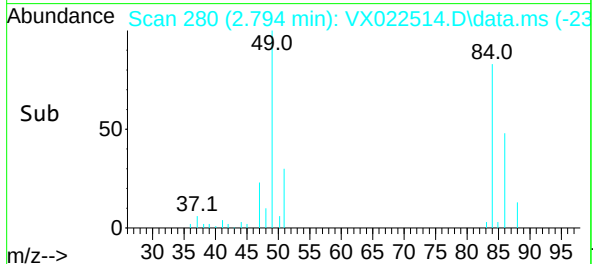
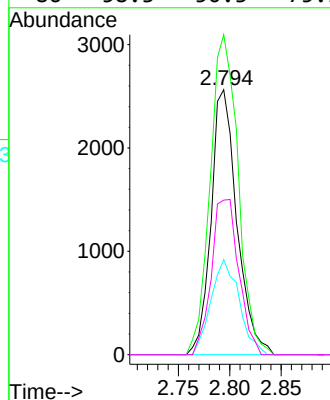
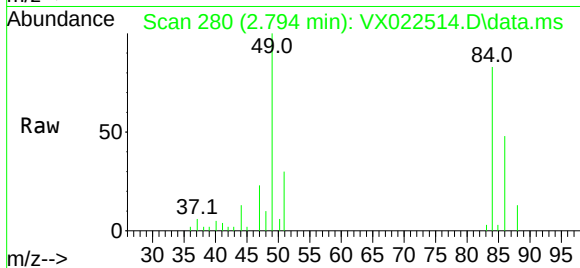
Delta R.T. 0.000 min

Lab File: VX022514.D

Acq: 07 Jun 2021 06:17

Tgt Ion: 84 Resp: 4476

Ion	Ratio	Lower	Upper
84	100		
49	120.7	88.6	132.8
51	35.8	27.0	40.6
86	58.3	50.3	75.5



#25

2-Butanone

Concen: 3.019 ug/l

RT: 4.580 min Scan# 573

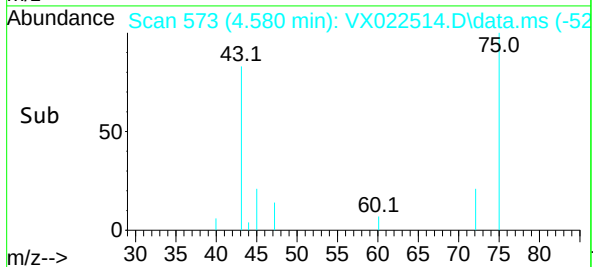
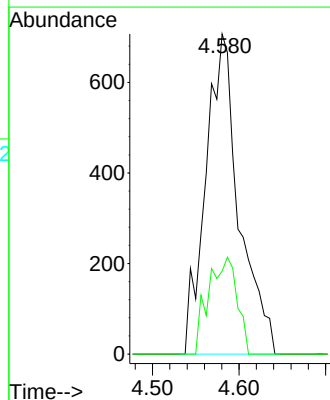
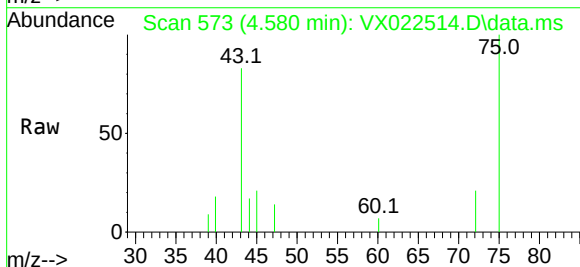
Delta R.T. 0.012 min

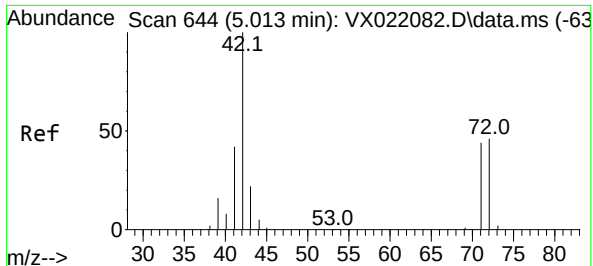
Lab File: VX022514.D

Acq: 07 Jun 2021 06:17

Tgt Ion: 43 Resp: 1890

Ion	Ratio	Lower	Upper
43	100		
72	25.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.605 ug/l

RT: 5.038 min Scan# 648

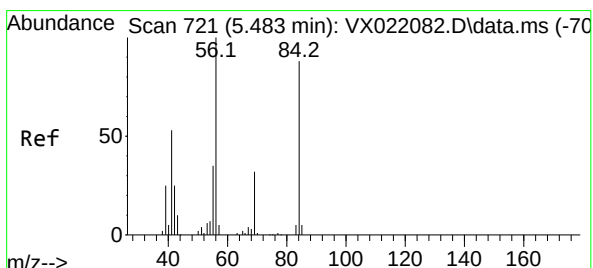
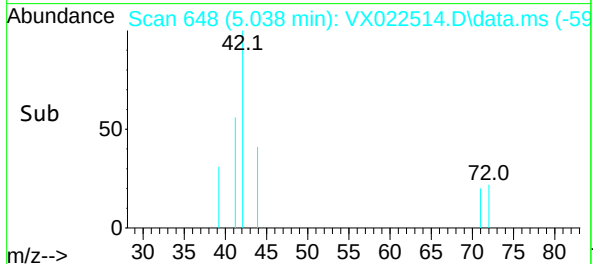
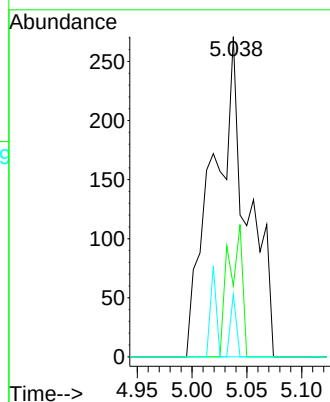
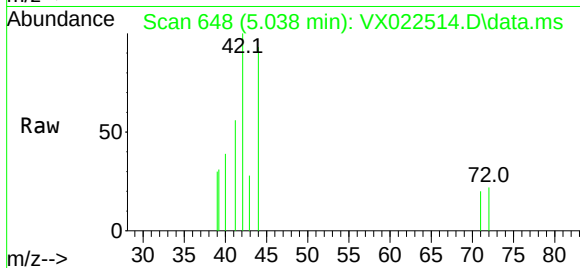
Delta R.T. 0.025 min

Lab File: VX022514.D

Acq: 07 Jun 2021 06:17

Tgt Ion:	42	Resp:	598
Ion	Ratio	Lower	Upper
42	100		
72	16.2	41.7	62.5#
71	3.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08



#31

Cyclohexane

Concen: 1.553 ug/l

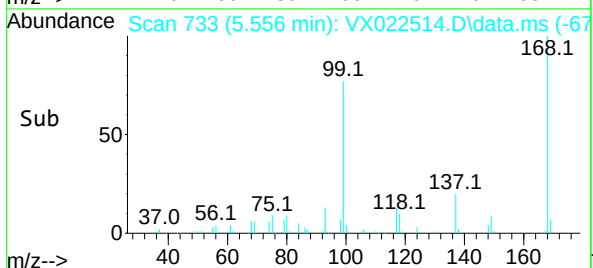
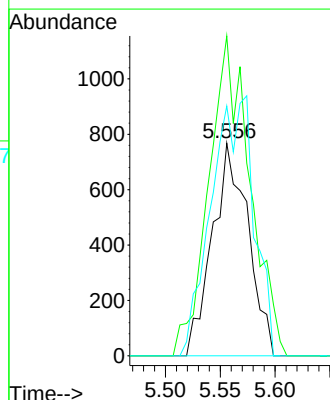
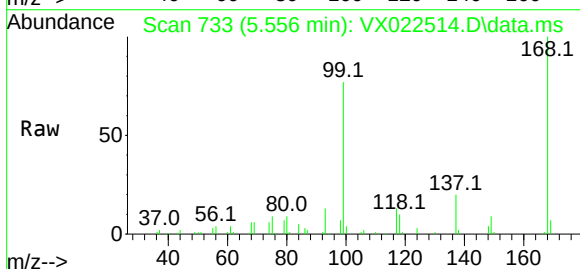
RT: 5.556 min Scan# 733

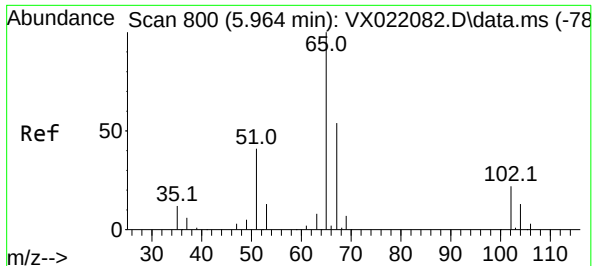
Delta R.T. 0.073 min

Lab File: VX022514.D

Acq: 07 Jun 2021 06:17

Tgt Ion:	56	Resp:	1735
Ion	Ratio	Lower	Upper
56	100		
69	143.6	25.3	37.9#
84	117.4	71.4	107.0#



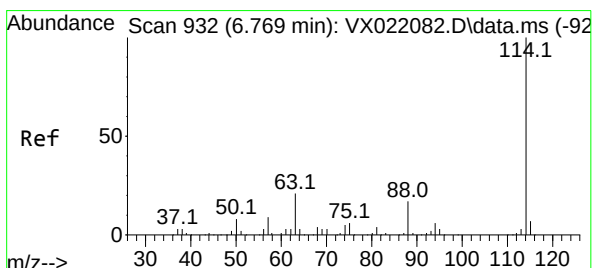
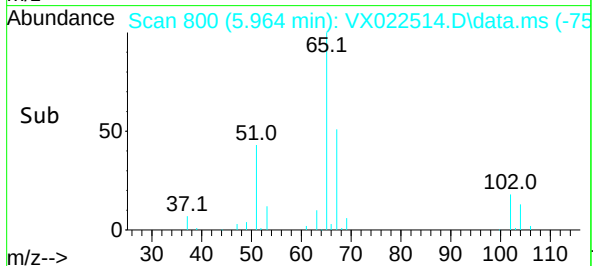
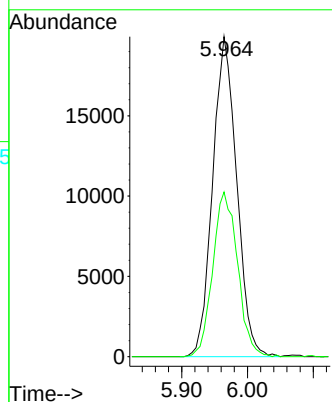
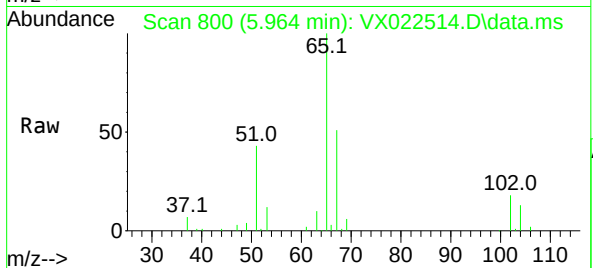


#33

1,2-Dichloroethane-d4
Concen: 57.023 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Instrument :
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ClientSampleId :
PB136857ZHE#08

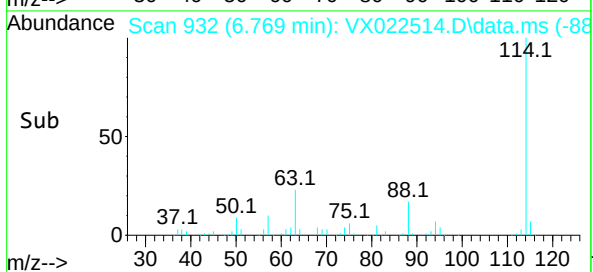
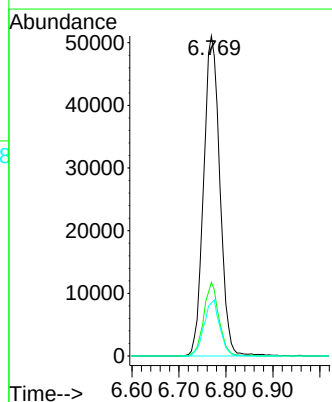
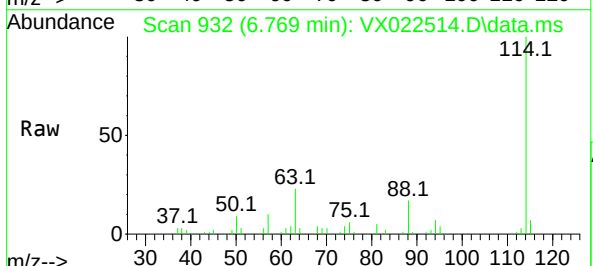
Tgt Ion: 65 Resp: 50679
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

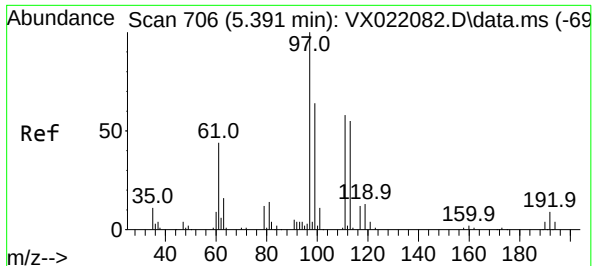


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

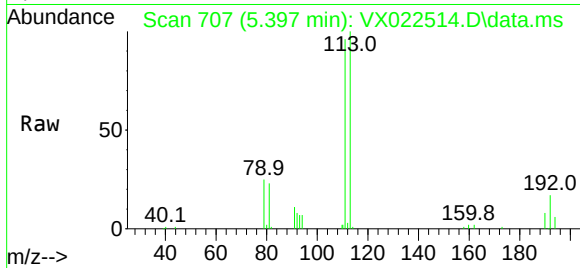
Tgt Ion: 114 Resp: 122559
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.8
88 16.5 0.0 32.8



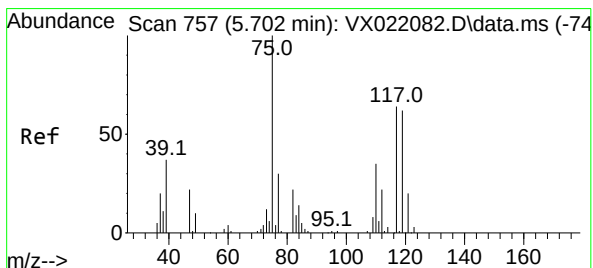
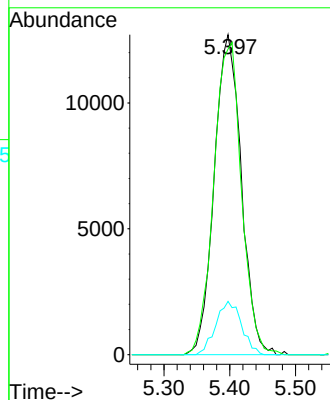
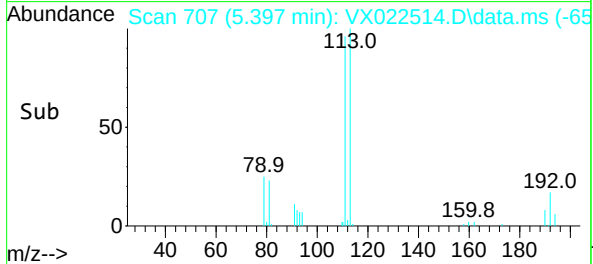


#35
Dibromofluoromethane
Concen: 46.842 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

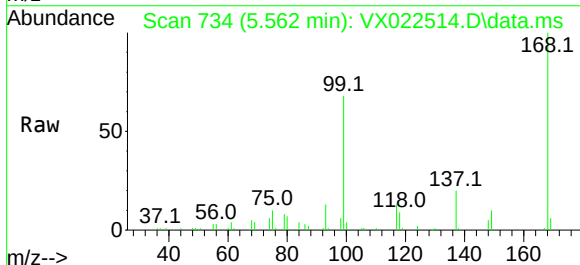
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08



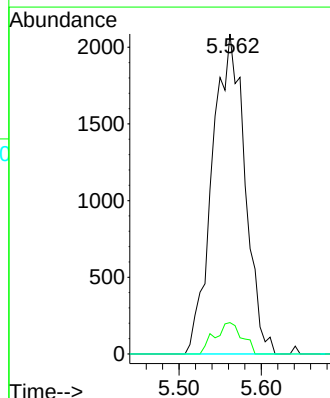
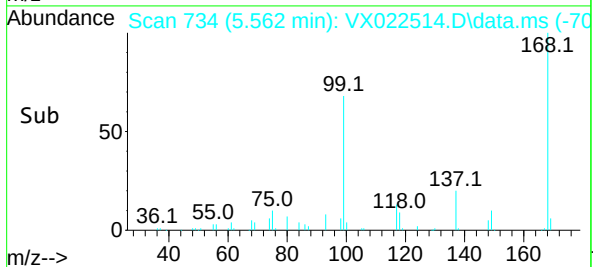
Tgt Ion:113 Resp: 36406
Ion Ratio Lower Upper
113 100
111 99.9 81.9 122.9
192 15.9 16.7 25.1#

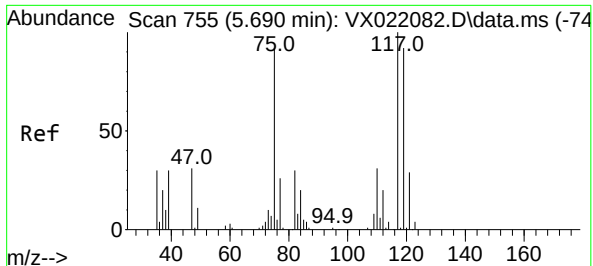


#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17



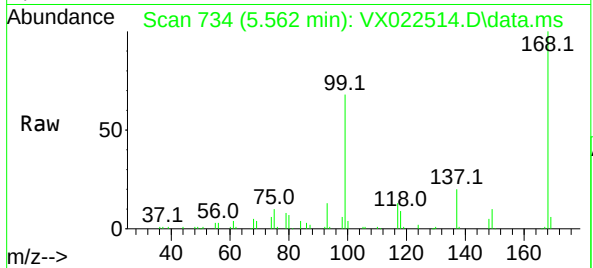
Tgt Ion: 75 Resp: 5732
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



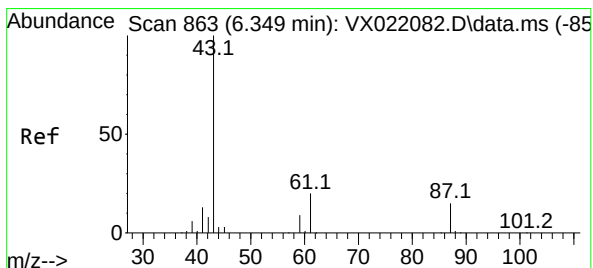
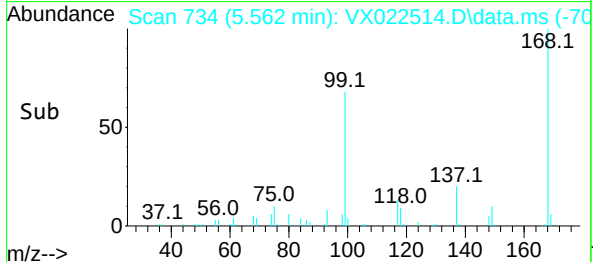
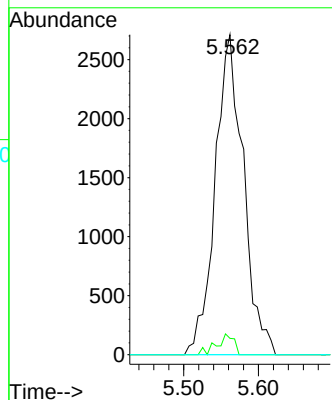


#38
Carbon Tetrachloride
Concen: 6.435 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

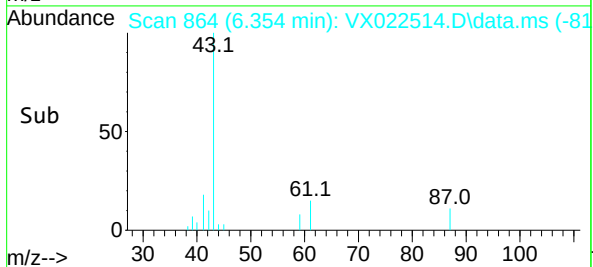
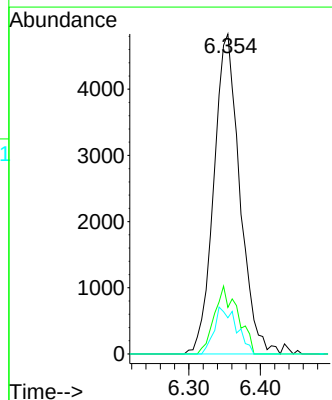
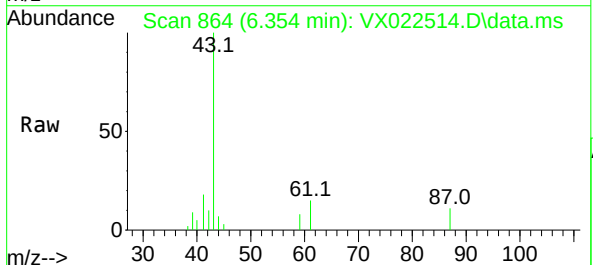


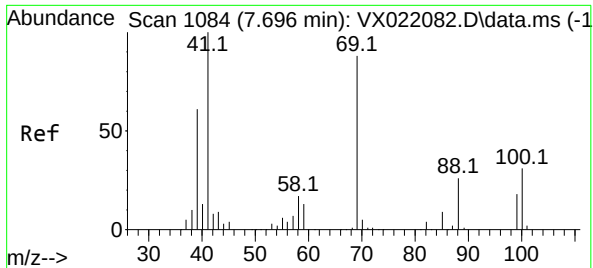
Tgt Ion:117 Resp: 7134
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 5.362 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 43 Resp: 12184
Ion Ratio Lower Upper
43 100
61 19.3 18.2 27.4
87 12.6 12.5 18.7

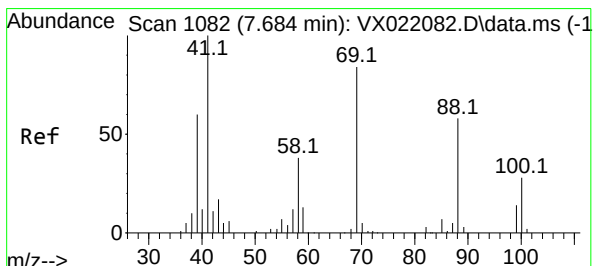
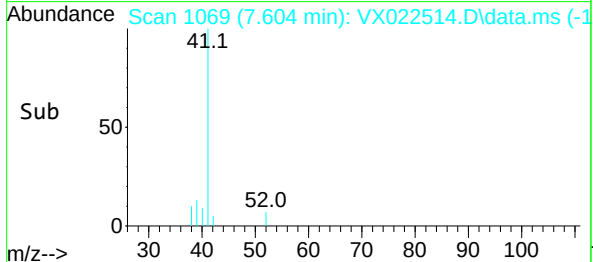
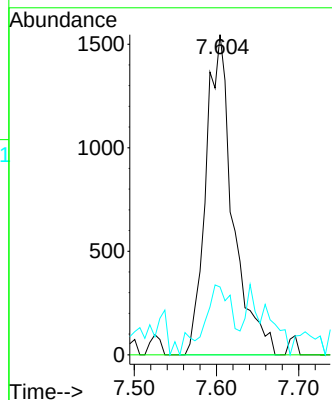
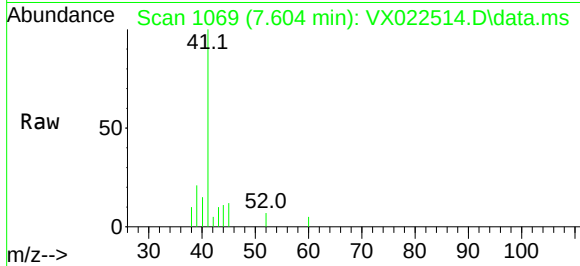




#48
Methyl methacrylate
Concen: 3.369 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

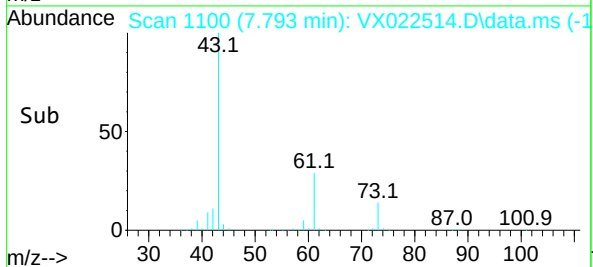
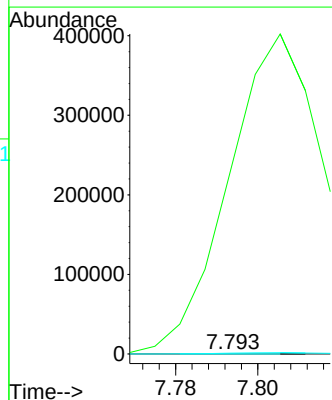
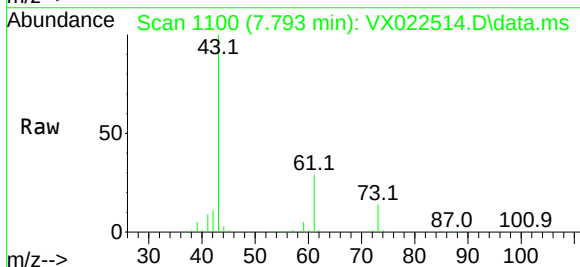
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

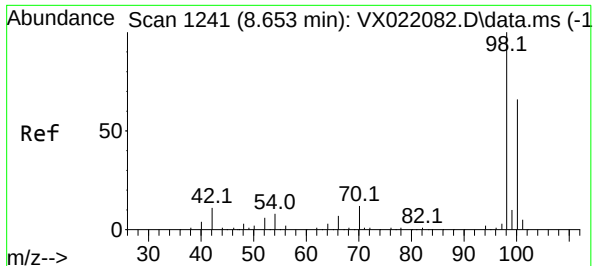
Tgt Ion: 41 Resp: 3528
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.618 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.109 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 2050130.3 23.2 34.8#
58 8630.3 55.0 82.4#

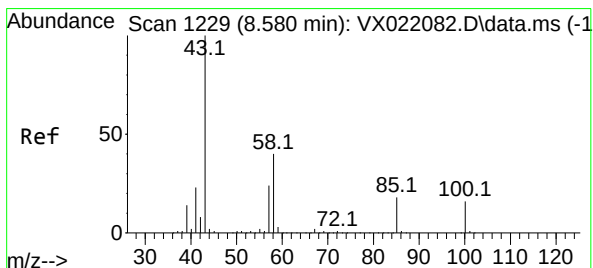
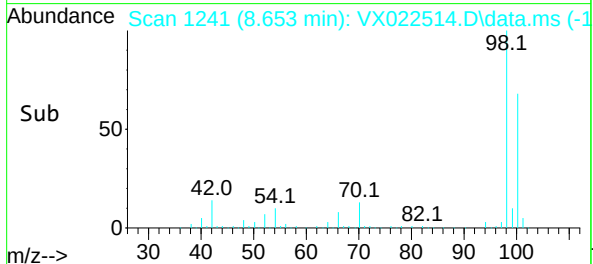
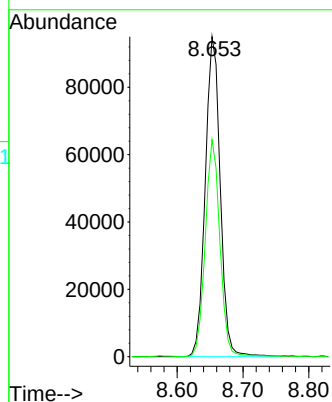
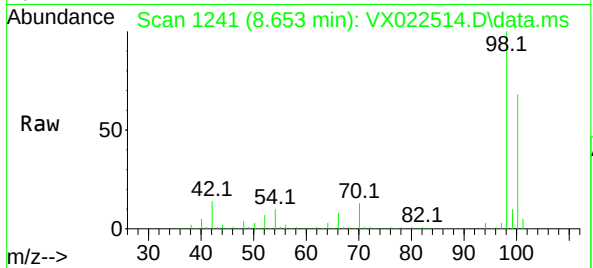




#50
Toluene-d8
Concen: 50.356 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

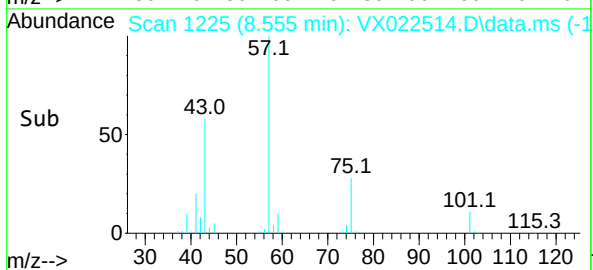
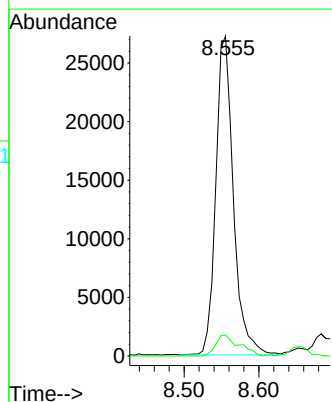
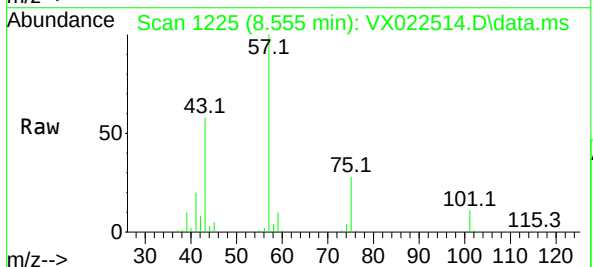
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

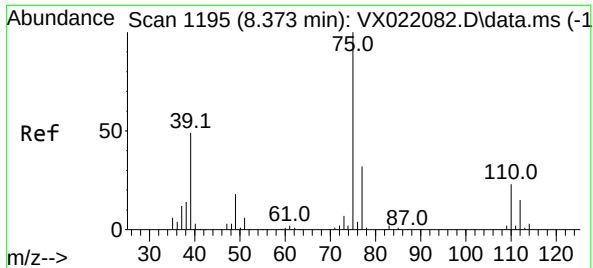
Tgt Ion: 98 Resp: 150761
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.647 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 43 Resp: 44438
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#

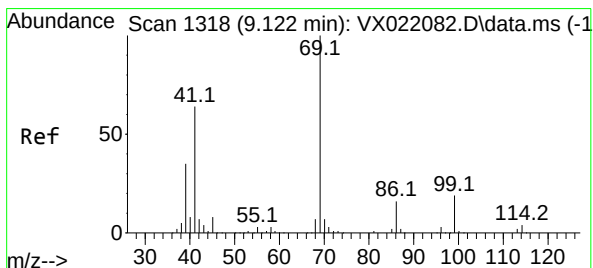
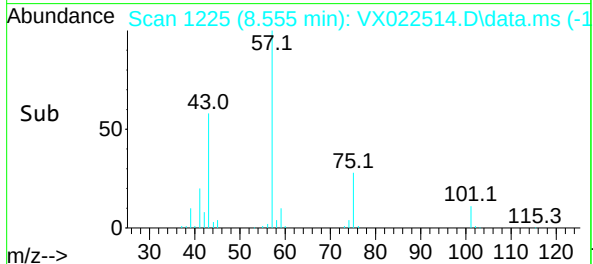
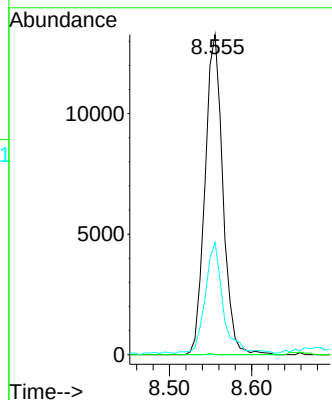
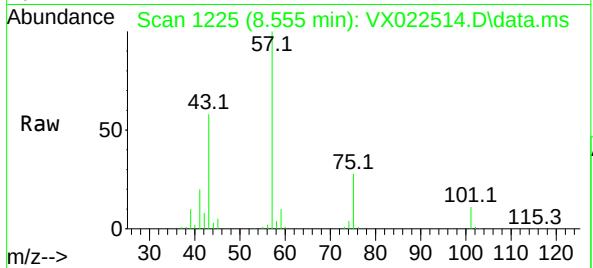




#54
 cis-1,3-Dichloropropene
 Concen: 13.354 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.182 min
 Lab File: VX022514.D
 Acq: 07 Jun 2021 06:17

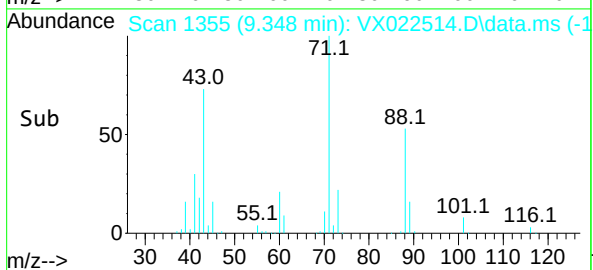
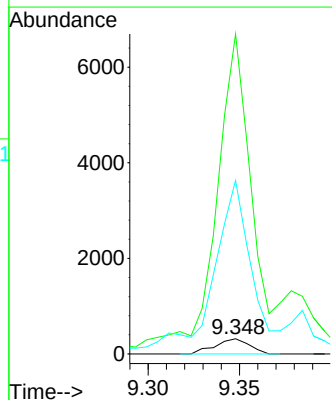
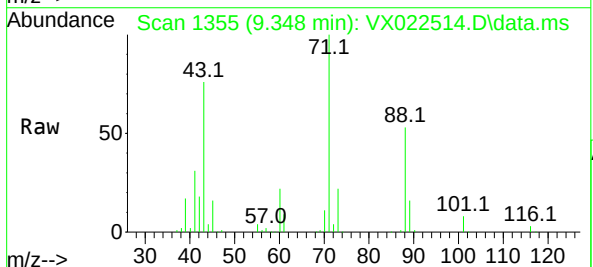
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136857ZHE#08

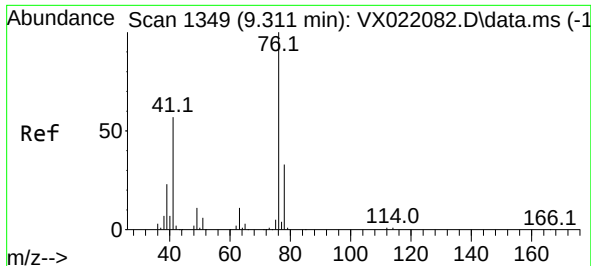
Tgt Ion: 75 Resp: 20012
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 34.4 35.1 52.7#



#56
 Ethyl methacrylate
 Concen: 0.286 ug/l
 RT: 9.348 min Scan# 1355
 Delta R.T. 0.226 min
 Lab File: VX022514.D
 Acq: 07 Jun 2021 06:17

Tgt Ion: 69 Resp: 415
 Ion Ratio Lower Upper
 69 100
 41 2074.9 46.8 70.2#
 39 1146.5 24.7 37.1#



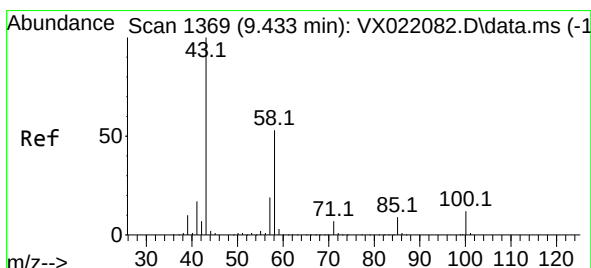
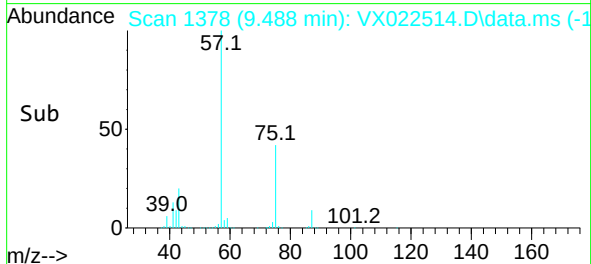
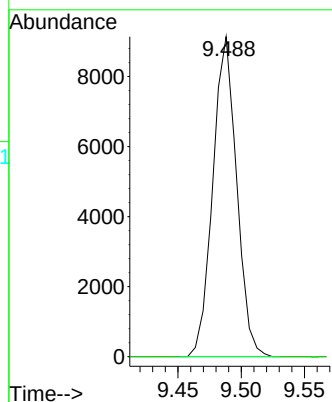
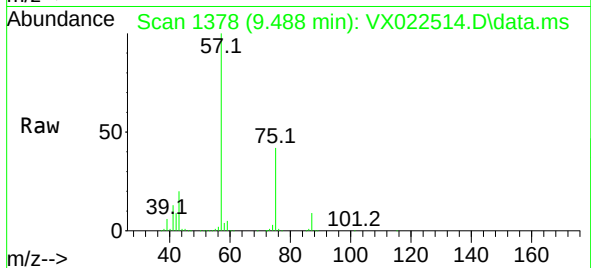


#57

1,3-Dichloropropane
Concen: 7.810 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

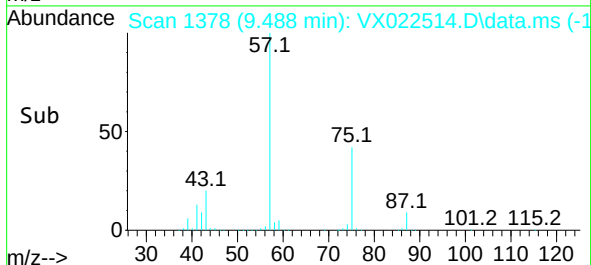
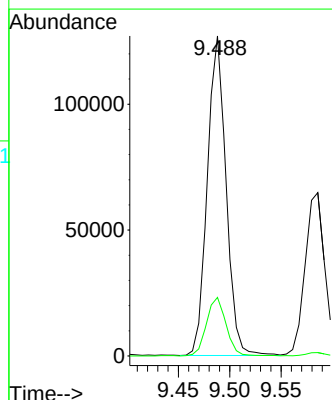
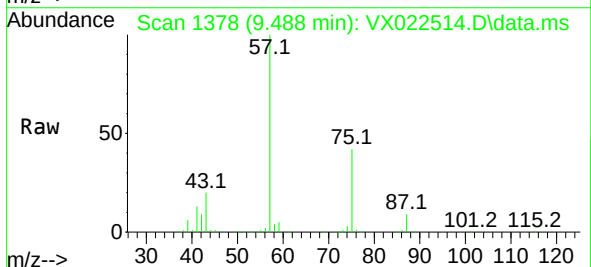
Tgt Ion: 76 Resp: 11954
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

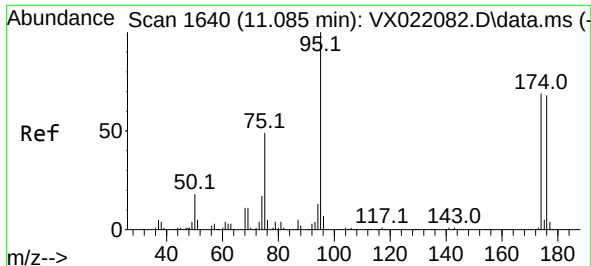


#59

2-Hexanone
Concen: 157.754 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 43 Resp: 161499
Ion Ratio Lower Upper
43 100
58 19.2 30.9 92.8#

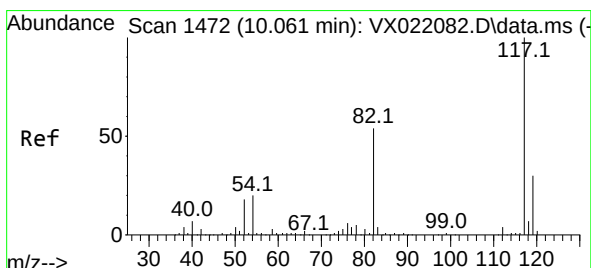
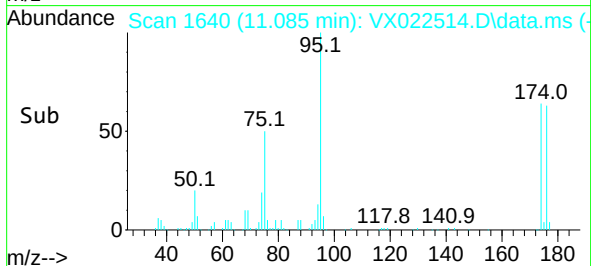
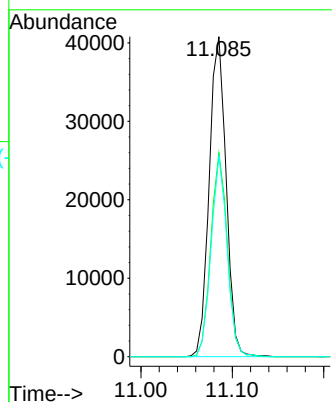
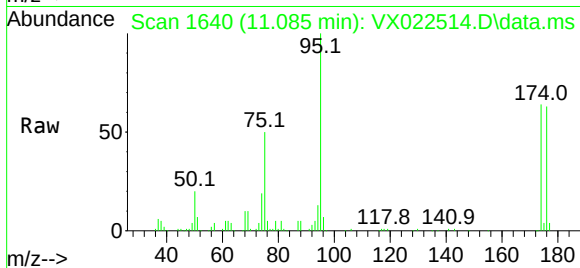




#62
4-Bromofluorobenzene
Concen: 47.332 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

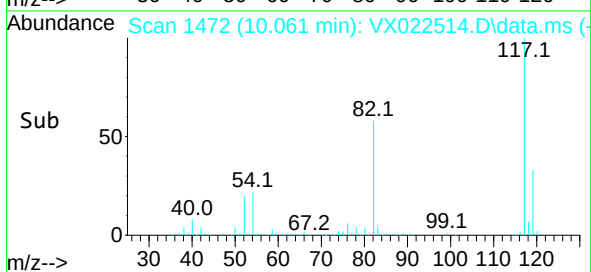
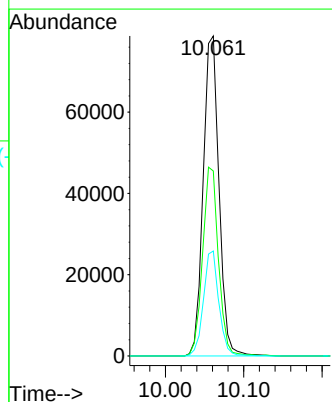
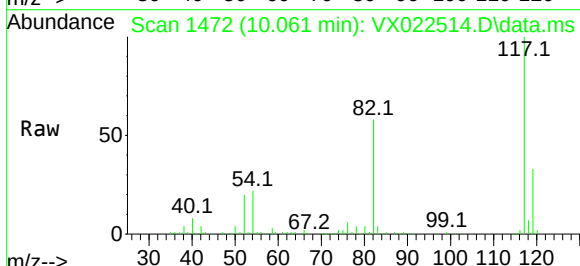
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

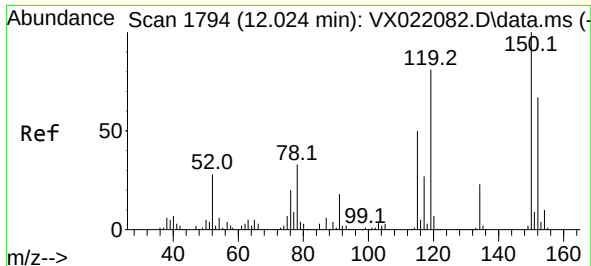
Tgt Ion: 95 Resp: 52378
Ion Ratio Lower Upper
95 100
174 62.0 0.0 154.6
176 59.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 117 Resp: 110117
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.8 26.6 39.8

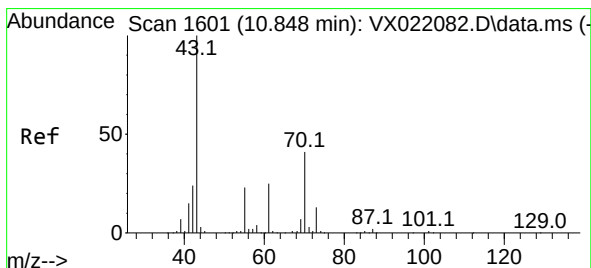
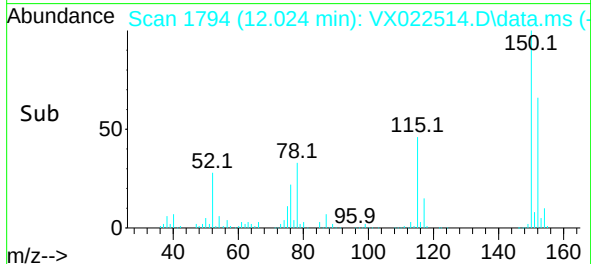
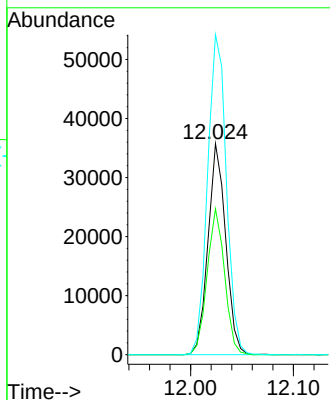
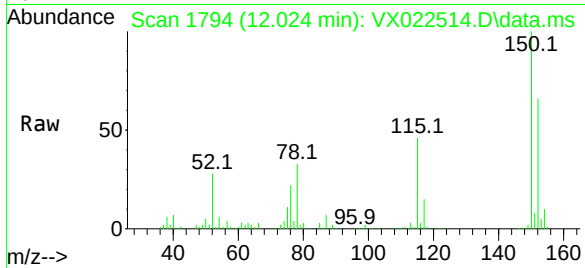




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

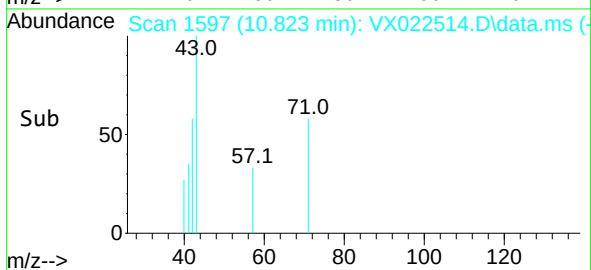
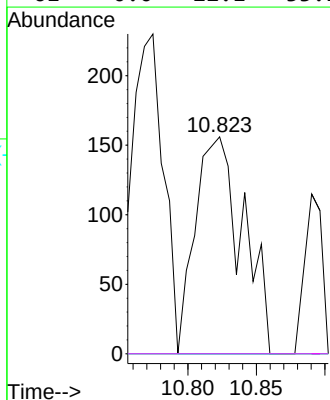
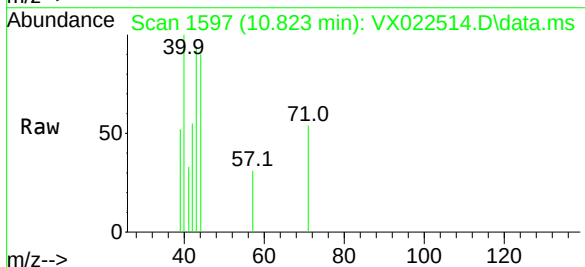
Instrument :
MSVOA_X
ClientSampleId :
PB136857ZHE#08

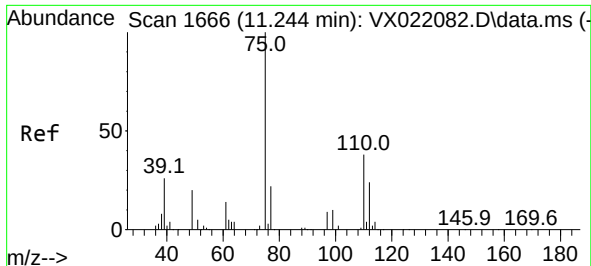
Tgt Ion:152 Resp: 42848
Ion Ratio Lower Upper
152 100
115 68.3 41.1 123.3
150 160.8 0.0 349.0



#74
N-ethyl acetate
Concen: 0.219 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.025 min
Lab File: VX022514.D
Acq: 07 Jun 2021 06:17

Tgt Ion: 43 Resp: 377
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#

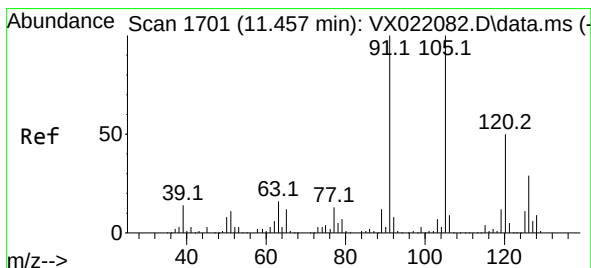
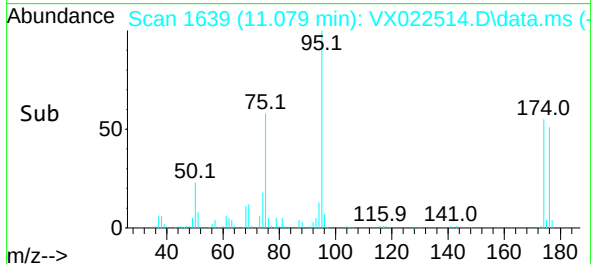
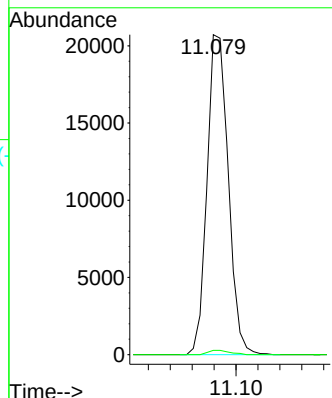
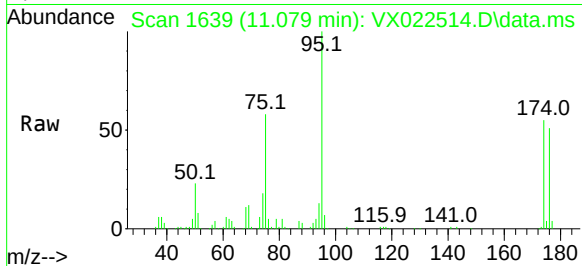




#76
 1,2,3-Trichloropropane
 Concen: 26.334 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX022514.D
 Acq: 07 Jun 2021 06:17

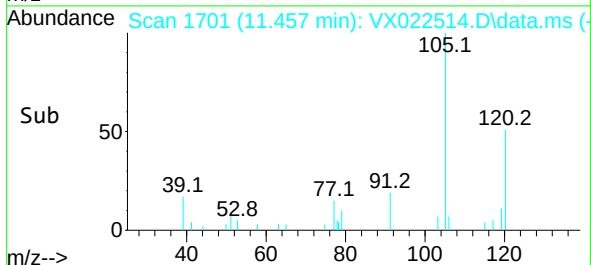
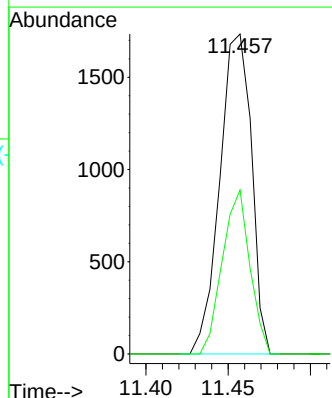
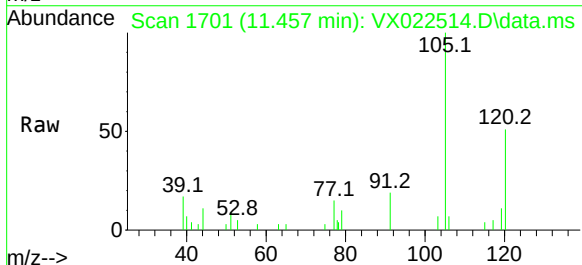
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136857ZHE#08

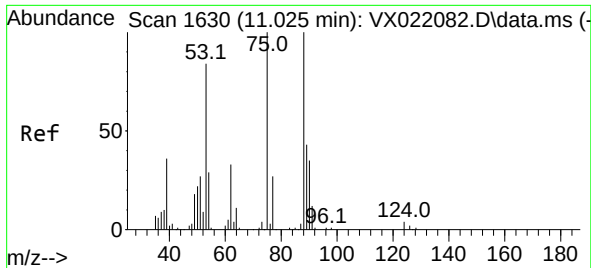
Tgt Ion: 75 Resp: 27837
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.774 ug/l
 RT: 11.457 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VX022514.D
 Acq: 07 Jun 2021 06:17

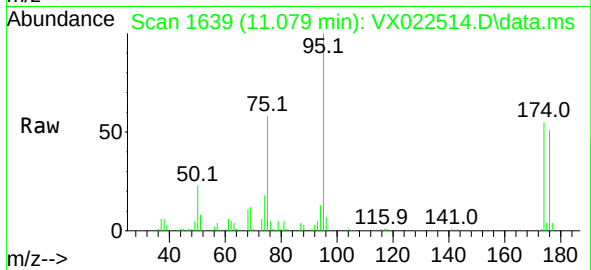
Tgt Ion: 105 Resp: 2326
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.395 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.054 min
 Lab File: VX022514.D
 Acq: 07 Jun 2021 06:17

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136857ZHE#08



Tgt Ion: 75 Resp: 27837
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

