

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060621\
 Data File : VX022497.D
 Acq On : 06 Jun 2021 22:51
 Operator : JC/MD
 Sample : PB136829ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136829ZHE#06

Quant Time: Jun 07 04:29:18 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)

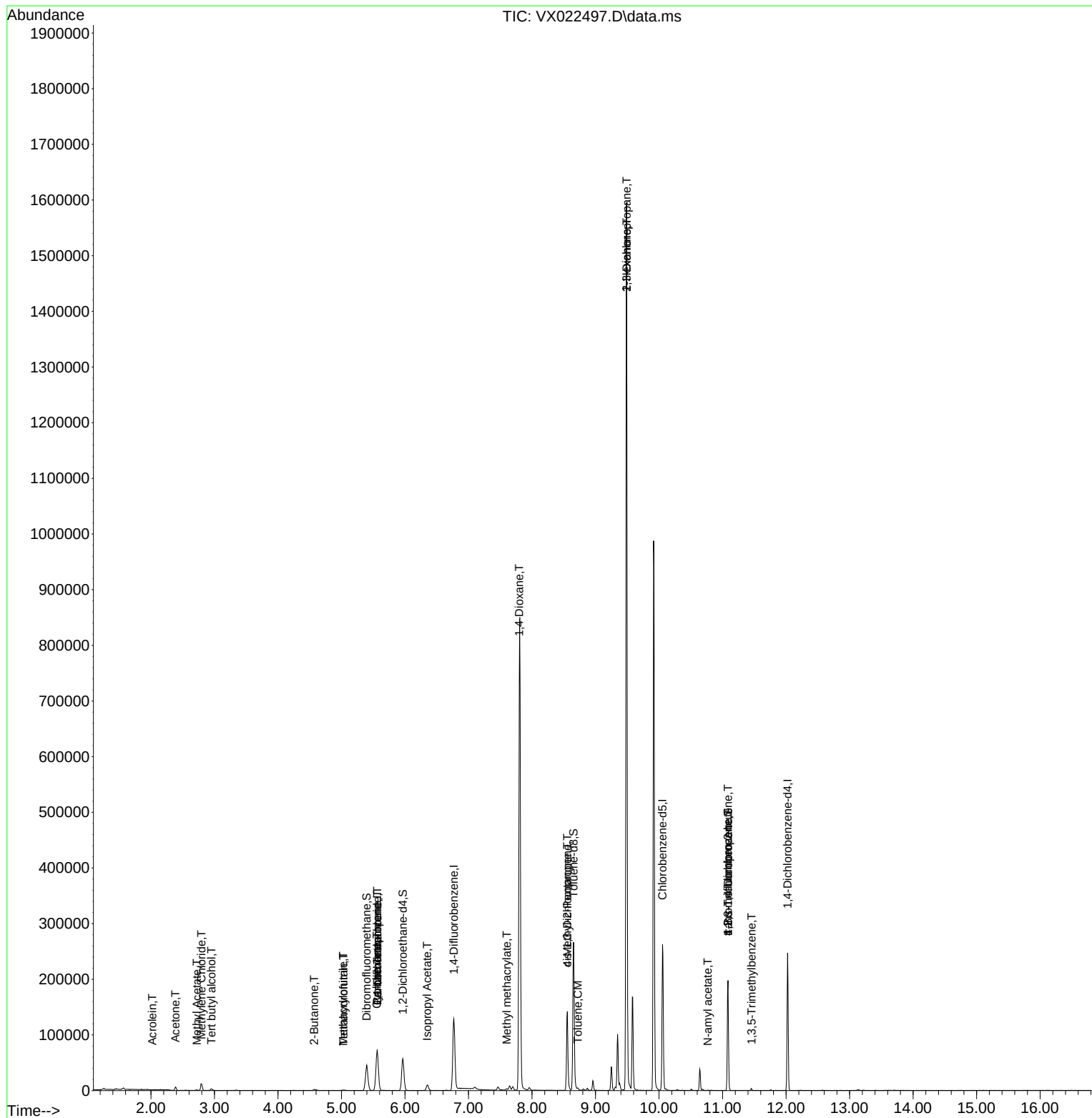
Internal Standards						
1) Pentafluorobenzene	5.562	168	59841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	124648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50759	54.988	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.980%			
35) Dibromofluoromethane	5.397	113	37301	47.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.380%			
50) Toluene-d8	8.653	98	154616	50.778	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.085	95	54631	48.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.080%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	1859	8.805	ug/l #	73
13) Acrolein	2.020	56	42	0.300	ug/l #	14
16) Acetone	2.386	43	6236	15.515	ug/l	99
18) Methyl Acetate	2.721	43	1602	1.499	ug/l	93
20) Methylene Chloride	2.794	84	5277	5.913	ug/l	94
25) 2-Butanone	4.568	43	2629	4.043	ug/l	91
29) Tetrahydrofuran	5.032	42	1033	2.669	ug/l #	51
31) Cyclohexane	5.556	56	1641	1.415	ug/l #	28
36) 1,1-Dichloropropene	5.562	75	5876	5.098	ug/l #	48
38) Carbon Tetrachloride	5.562	117	6835	6.062	ug/l #	17
41) Methacrylonitrile	5.025	41	709	0.938	ug/l #	30
43) Isopropyl Acetate	6.348	43	13919	6.023	ug/l #	91
48) Methyl methacrylate	7.604	41	3854	3.619	ug/l #	10
49) 1,4-Dioxane	7.799	88	57	2.749	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	48944	35.355	ug/l #	45
52) Toluene	8.720	92	836	0.372	ug/l	83
54) cis-1,3-Dichloropropene	8.555	75	22086	14.491	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	13375	8.592	ug/l #	42
59) 2-Hexanone	9.488	43	182053	174.851	ug/l #	44
74) N-amyl acetate	10.768	43	678	0.380	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	28462	25.975	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1543	0.495	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	28462	61.545	ug/l #	12

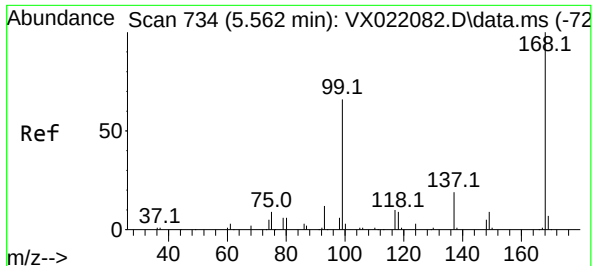
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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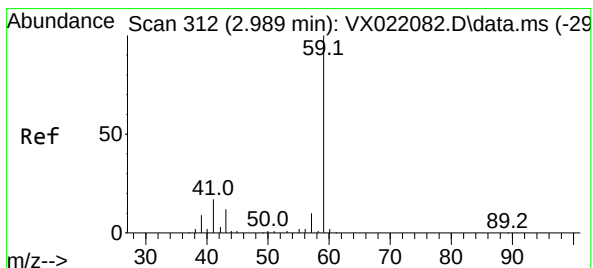
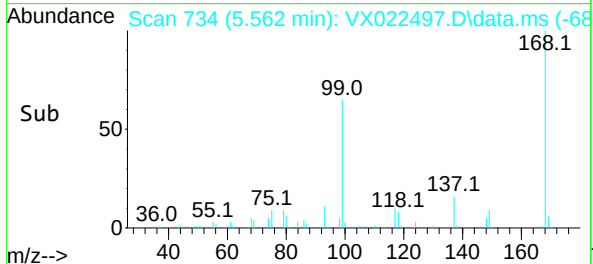
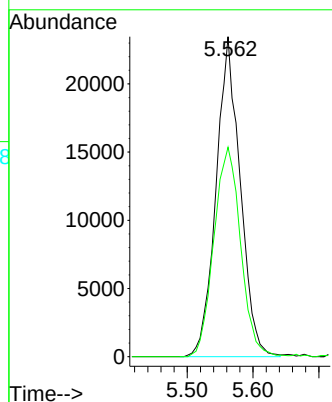
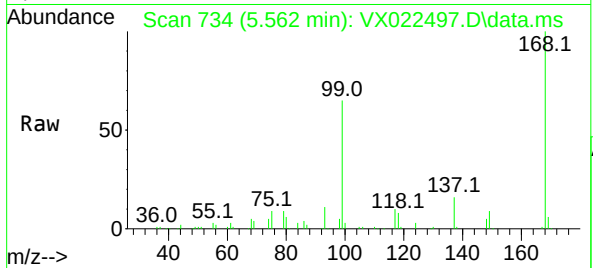




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

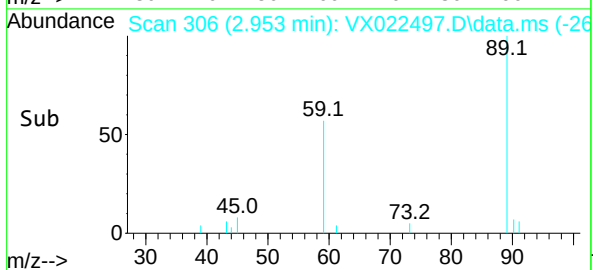
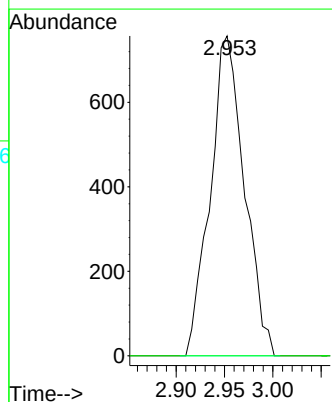
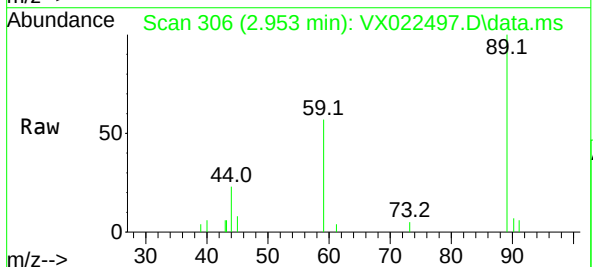
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

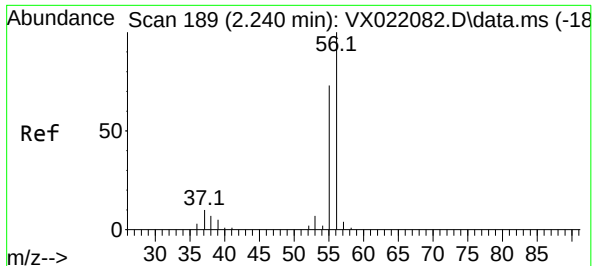
Tgt Ion:168 Resp: 59841
Ion Ratio Lower Upper
168 100
99 65.4 45.8 68.6



#11
Tert butyl alcohol
Concen: 8.805 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 59 Resp: 1859
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

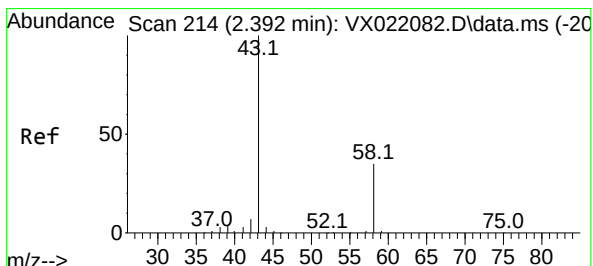
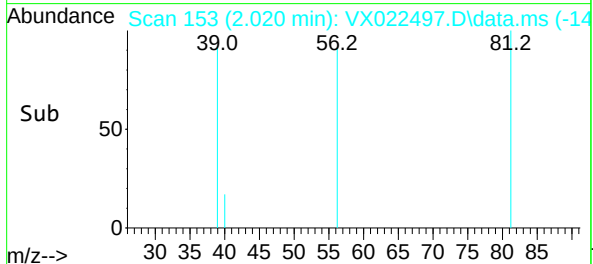
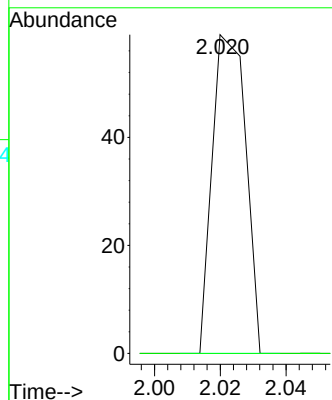
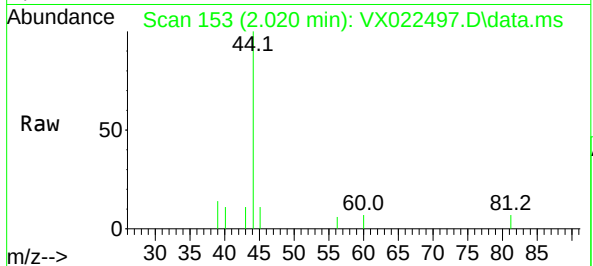




#13
Acrolein
Concen: 0.300 ug/l
RT: 2.020 min Scan# 153
Delta R.T. -0.220 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

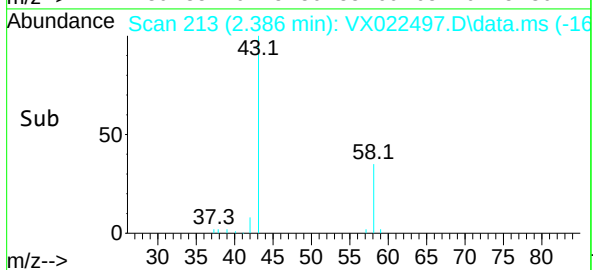
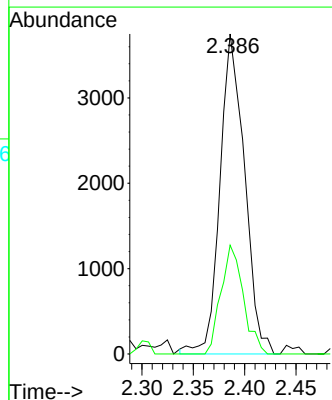
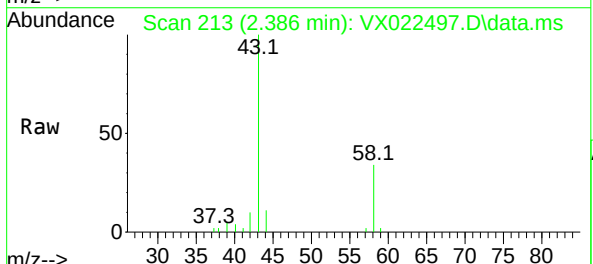
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

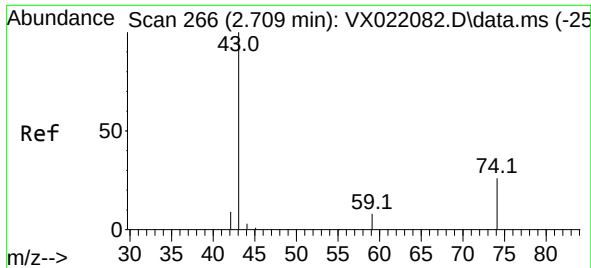
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 15.515 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 43 Resp: 6236
Ion Ratio Lower Upper
43 100
58 34.0 27.8 41.8

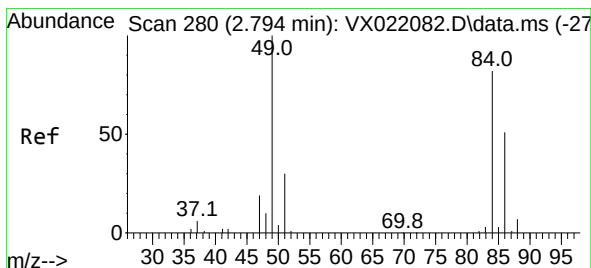
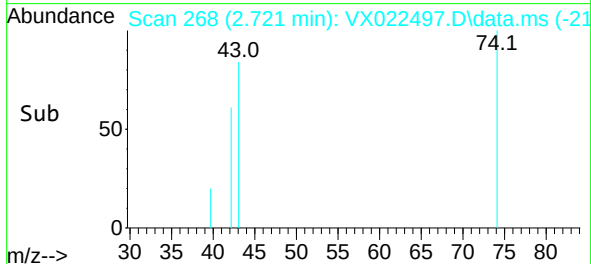
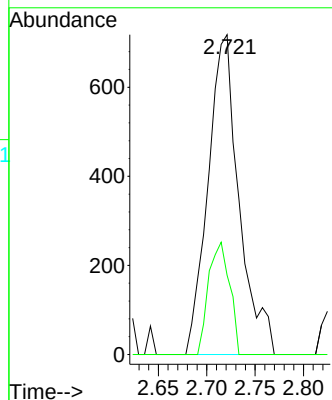
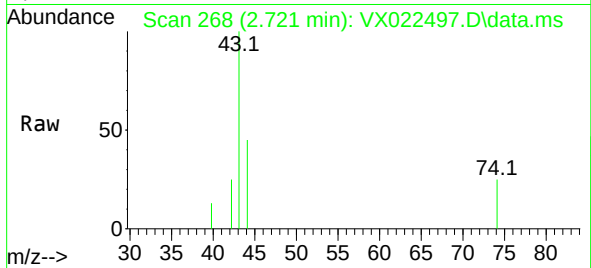




#18
Methyl Acetate
Concen: 1.499 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

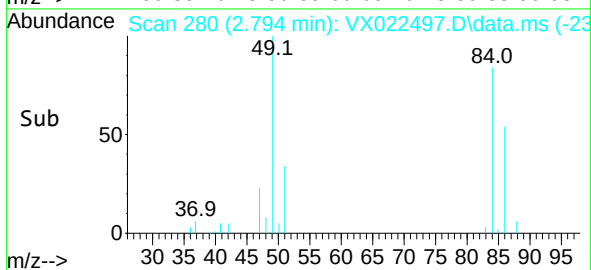
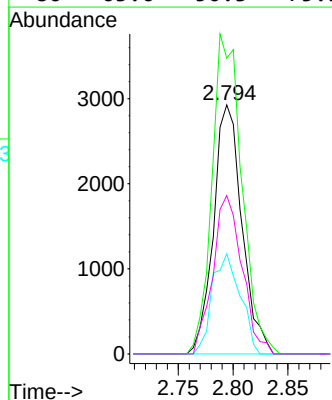
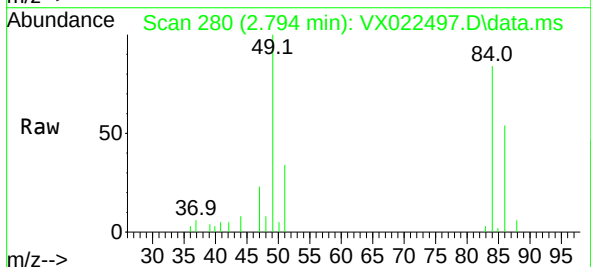
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

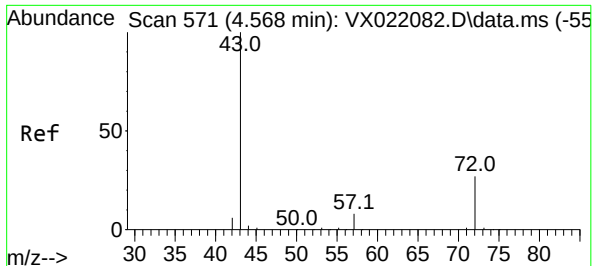
Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
74 23.7 21.9 32.9



#20
Methylene Chloride
Concen: 5.913 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 84 Resp: 5277
Ion Ratio Lower Upper
84 100
49 118.8 88.6 132.8
51 40.2 27.0 40.6
86 63.6 50.3 75.5

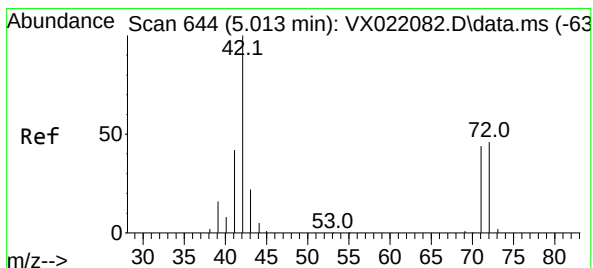
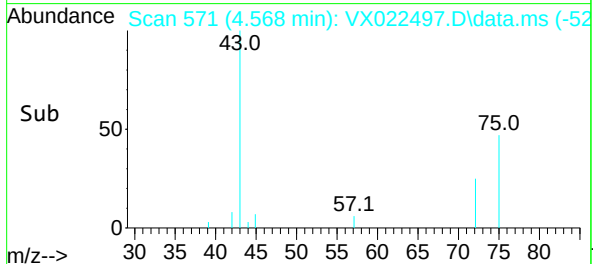
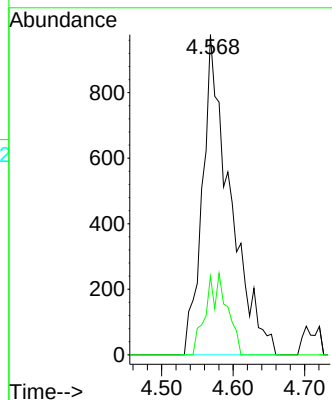
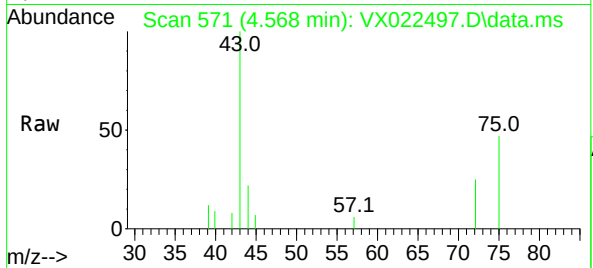




#25
2-Butanone
Concen: 4.043 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

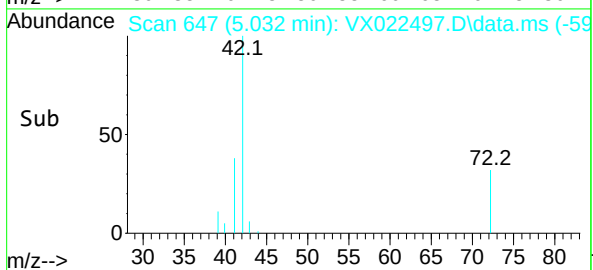
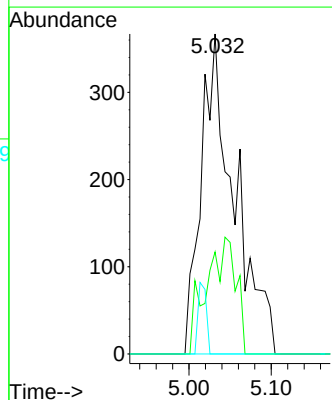
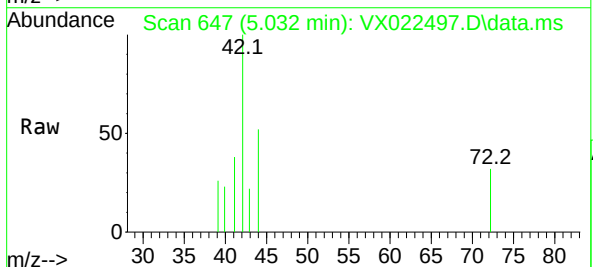
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

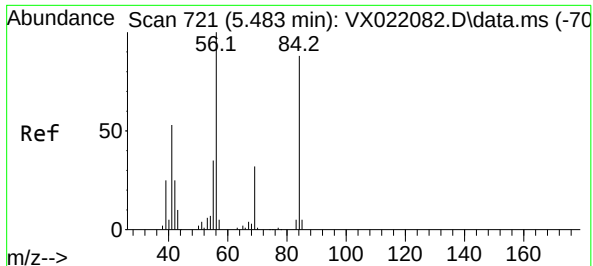
Tgt Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
72 24.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 2.669 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

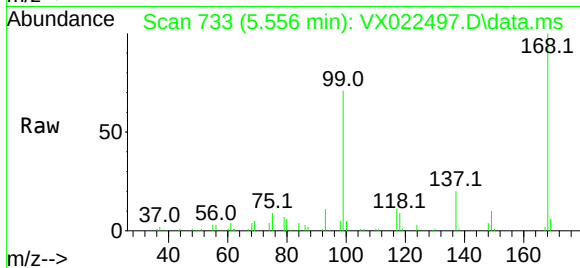
Tgt Ion: 42 Resp: 1033
Ion Ratio Lower Upper
42 100
72 32.4 41.7 62.5#
71 0.0 38.4 57.6#



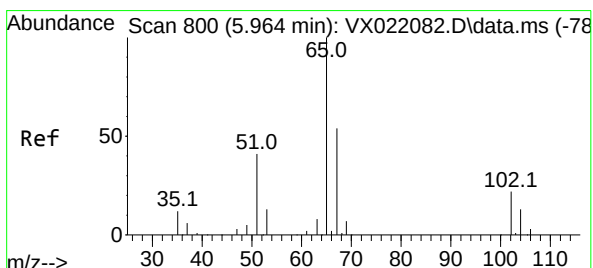
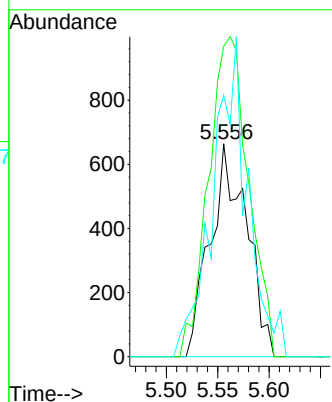
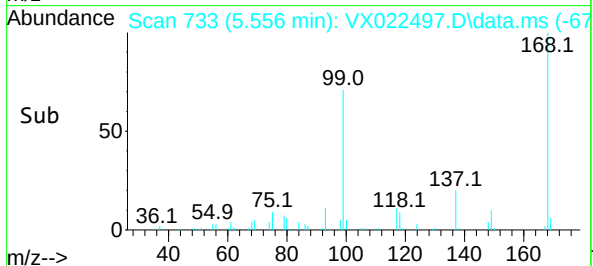


#31
Cyclohexane
Concen: 1.415 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.073 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

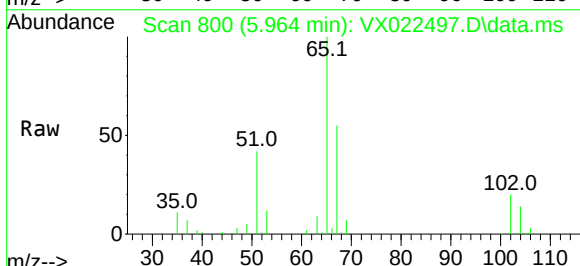
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06



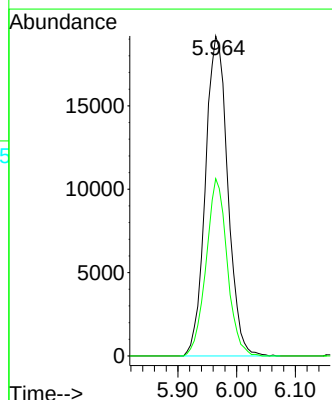
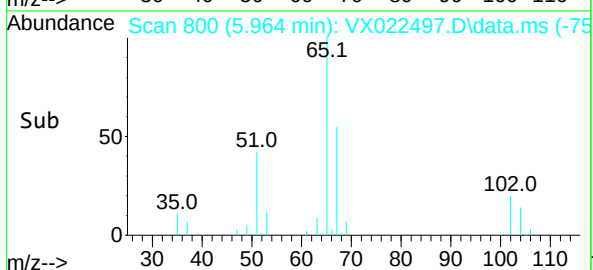
Tgt Ion: 56 Resp: 1641
Ion Ratio Lower Upper
56 100
69 145.8 25.3 37.9#
84 112.8 71.4 107.0#

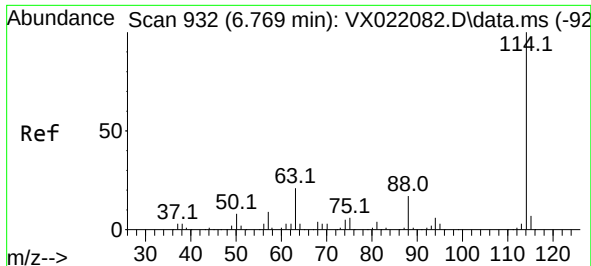


#33
1,2-Dichloroethane-d4
Concen: 54.988 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51



Tgt Ion: 65 Resp: 50759
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

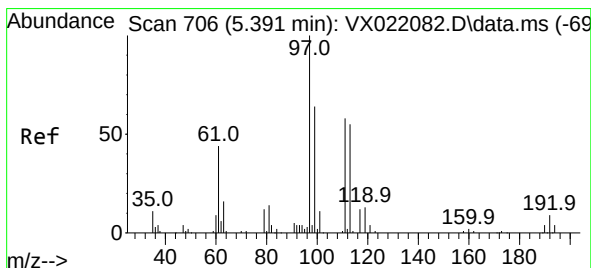
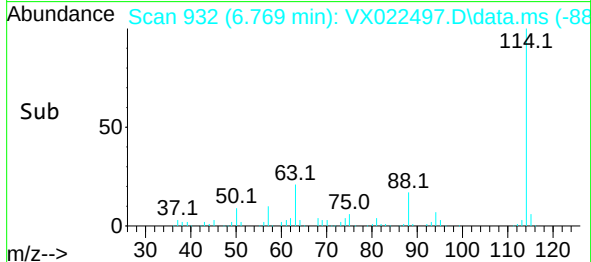
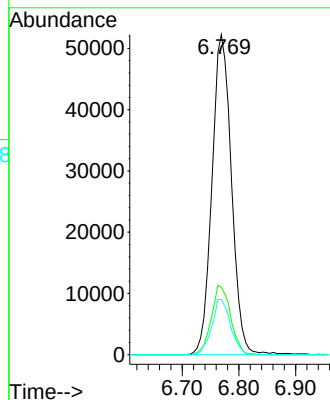
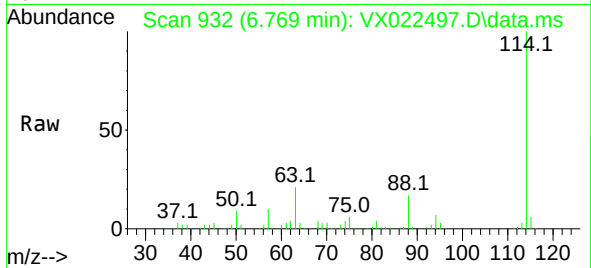




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

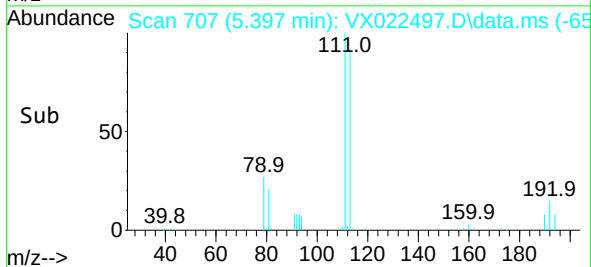
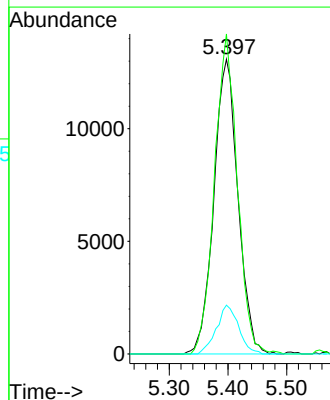
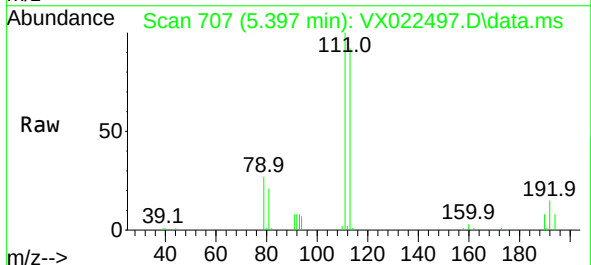
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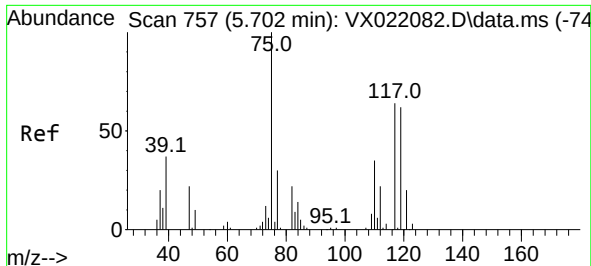
Tgt Ion:114 Resp: 124648
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.189 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion:113 Resp: 37301
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 15.2 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.098 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX022497.D

Acq: 06 Jun 2021 22:51

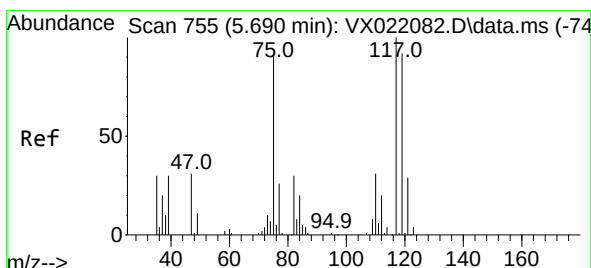
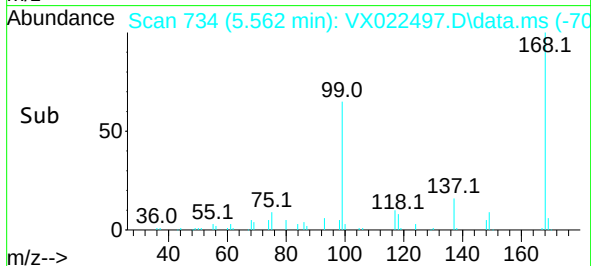
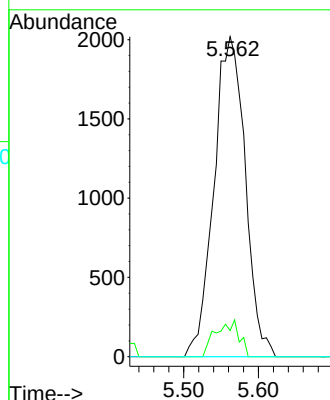
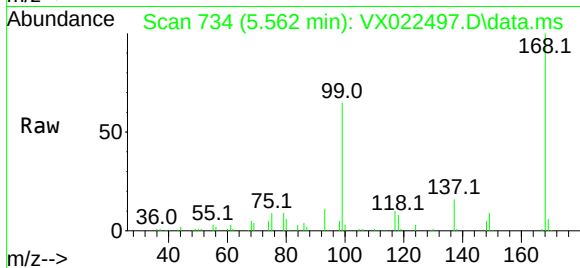
Tgt Ion:	75	Resp:	5876
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :

MSVOA_X

ClientSampleId :

PB136829ZHE#06



#38

Carbon Tetrachloride

Concen: 6.062 ug/l

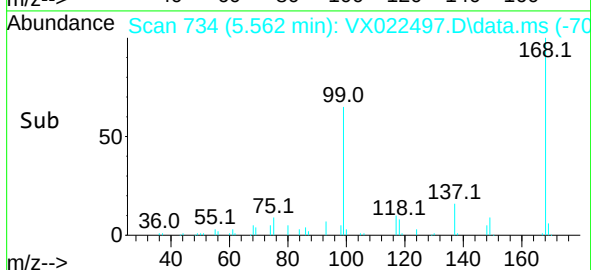
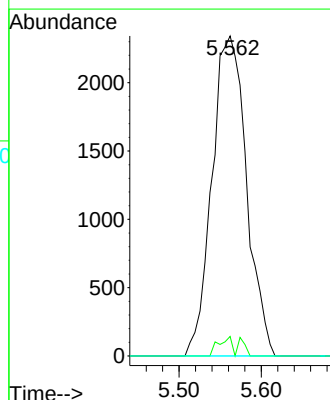
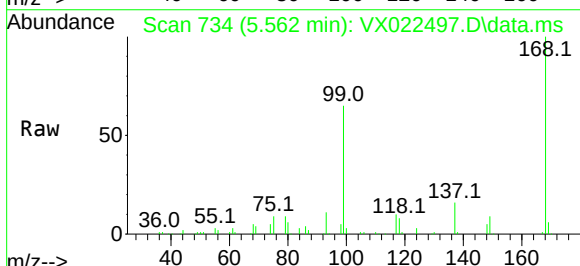
RT: 5.562 min Scan# 734

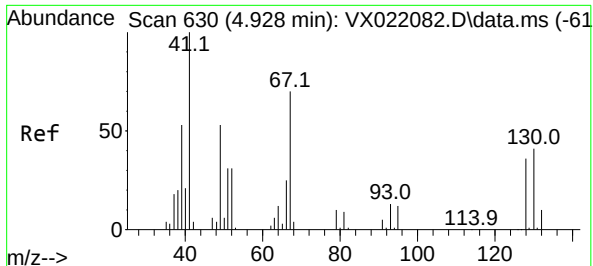
Delta R.T. -0.128 min

Lab File: VX022497.D

Acq: 06 Jun 2021 22:51

Tgt Ion:	117	Resp:	6835
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	24.8	37.2#

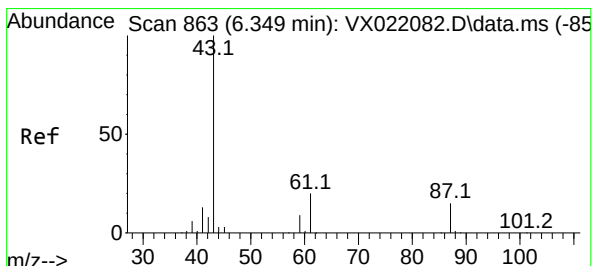
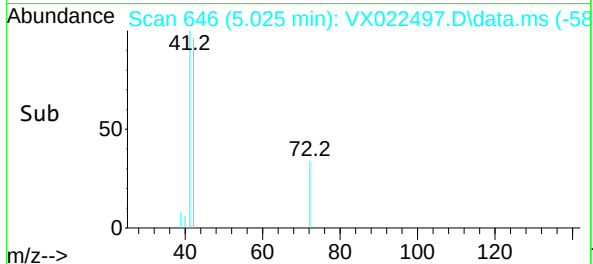
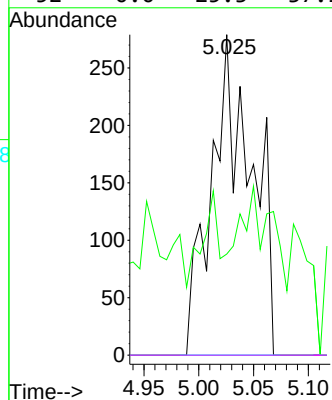
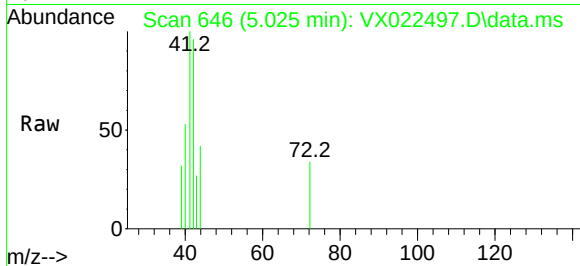




#41
Methacrylonitrile
Concen: 0.938 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

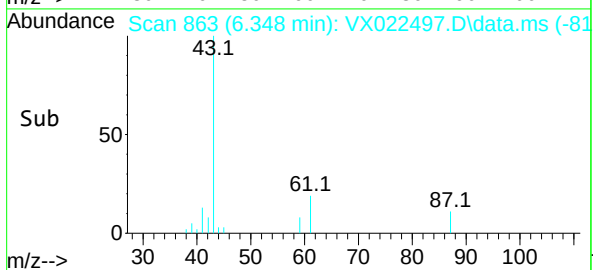
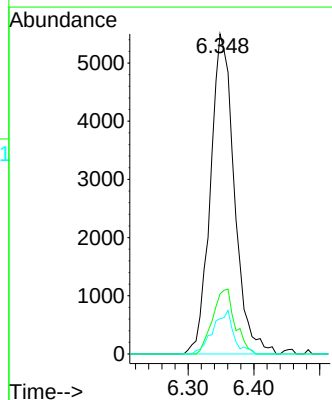
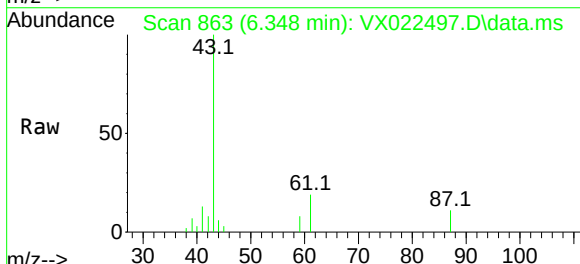
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

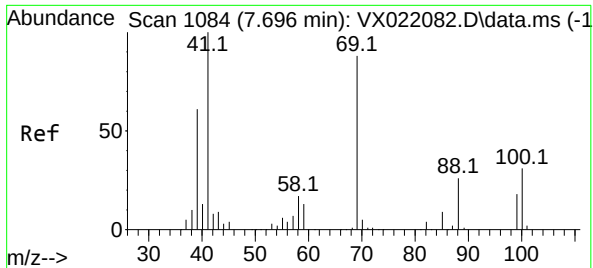
Tgt Ion:	41	Resp:	709
Ion	Ratio	Lower	Upper
41	100		
39	21.7	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 6.023 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion:	43	Resp:	13919
Ion	Ratio	Lower	Upper
43	100		
61	18.9	18.2	27.4
87	11.8	12.5	18.7#

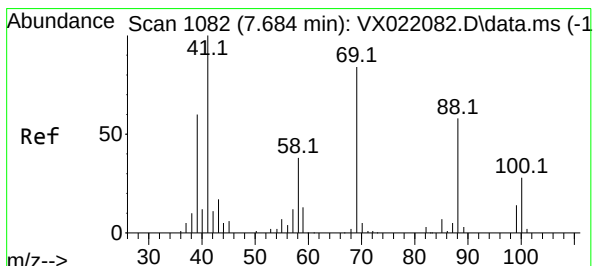
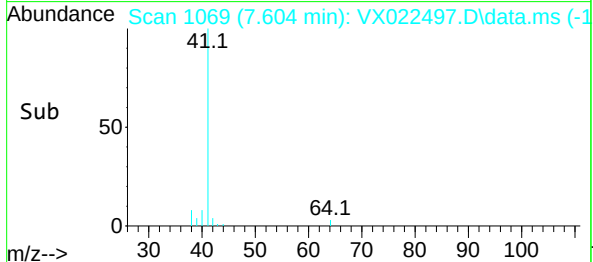
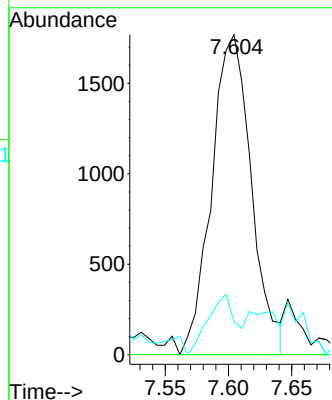
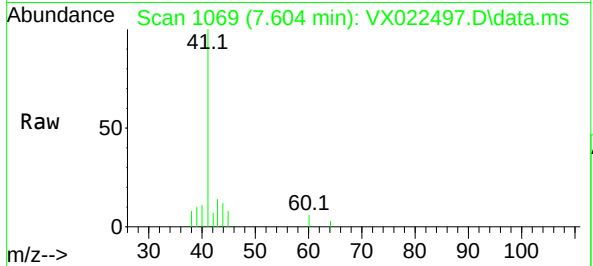




#48
Methyl methacrylate
Concen: 3.619 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

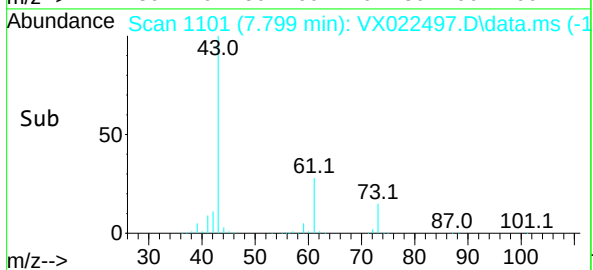
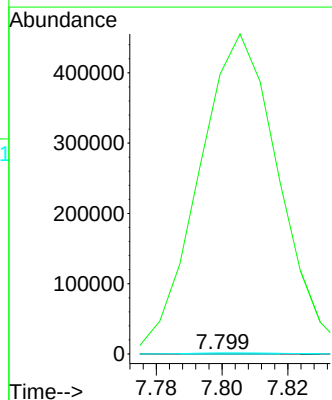
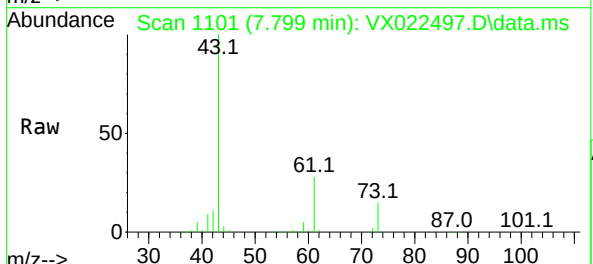
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

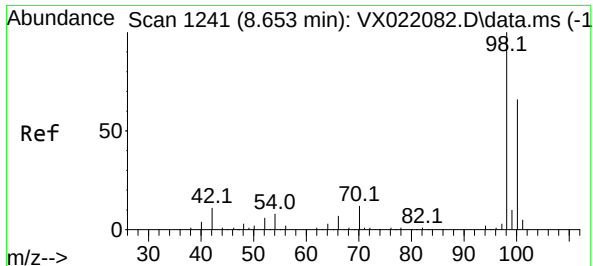
Tgt Ion: 41 Resp: 3854
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.749 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1376519.3 23.2 34.8#
58 5301.8 55.0 82.4#

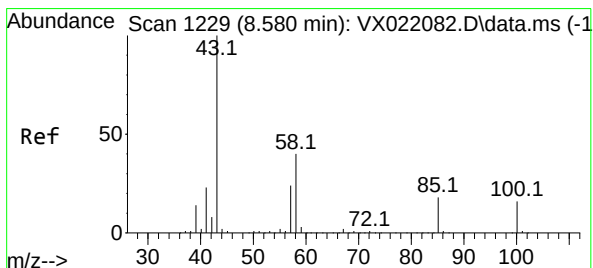
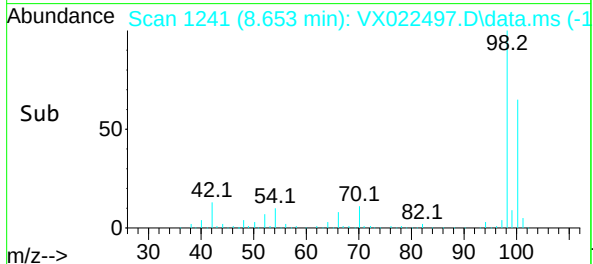
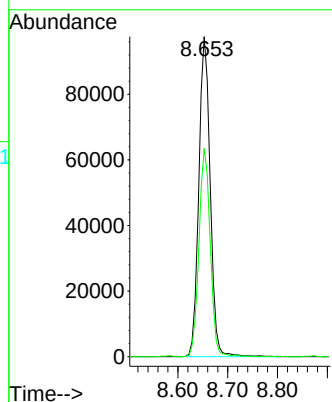
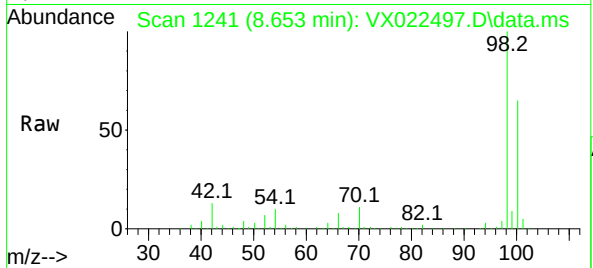




#50
Toluene-d8
Concen: 50.778 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

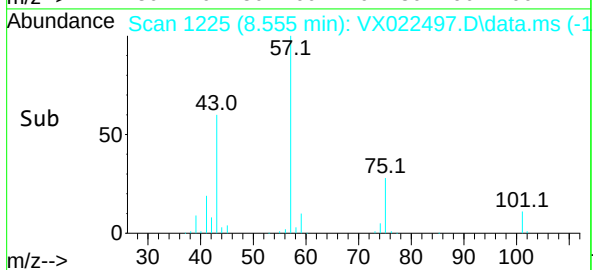
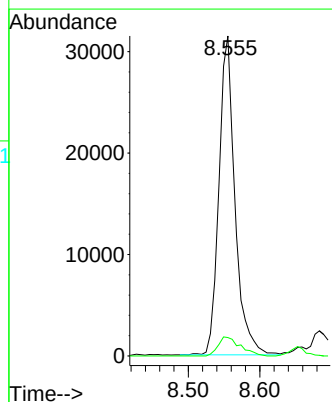
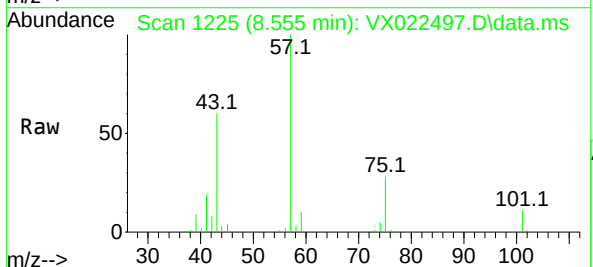
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

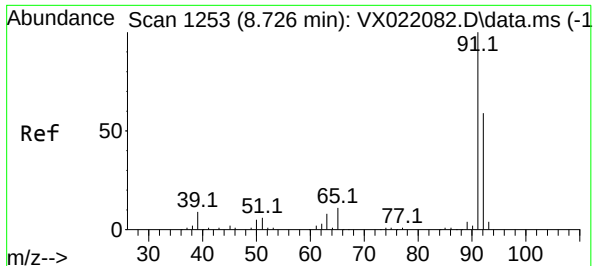
Tgt Ion: 98 Resp: 154616
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 35.355 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 43 Resp: 48944
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

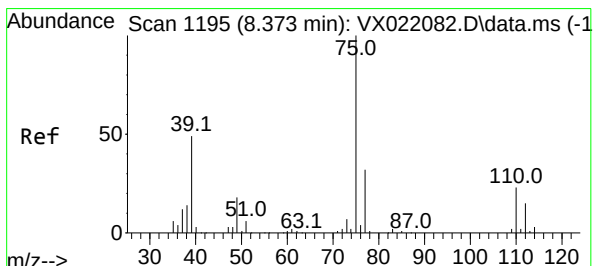
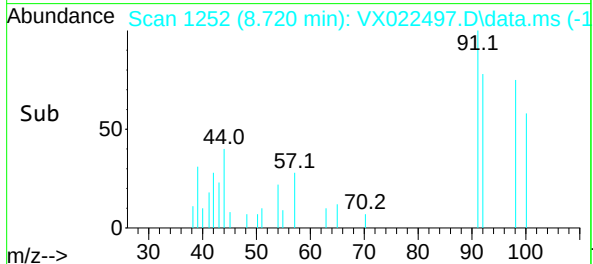
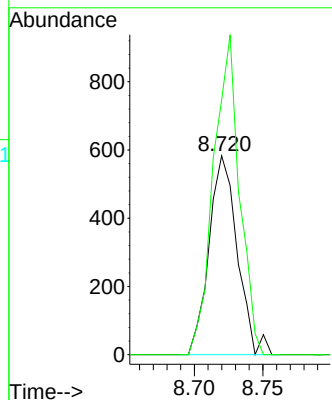
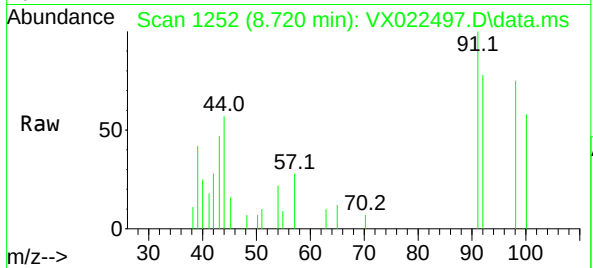




#52
Toluene
Concen: 0.372 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

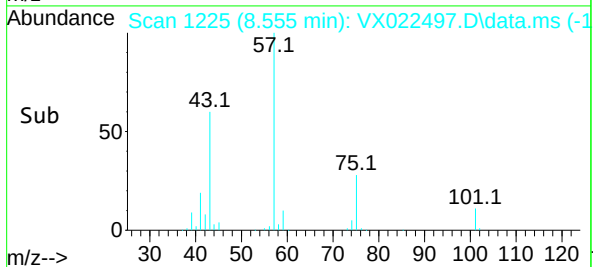
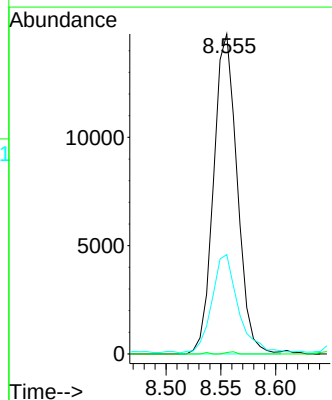
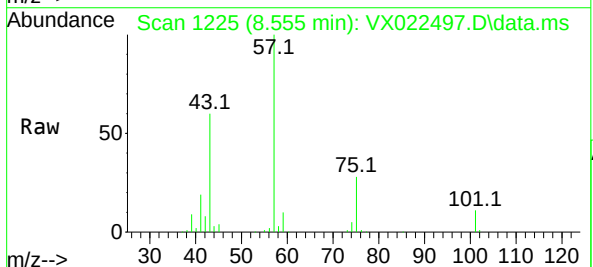
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

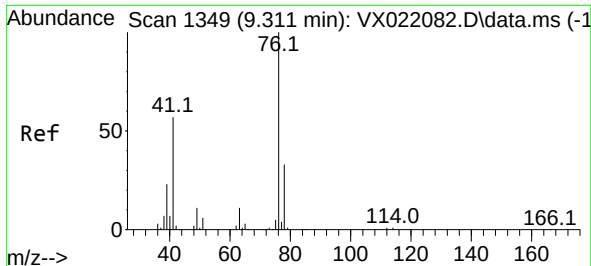
Tgt Ion: 92 Resp: 836
Ion Ratio Lower Upper
92 100
91 147.7 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 14.491 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 75 Resp: 22086
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 30.7 35.1 52.7#



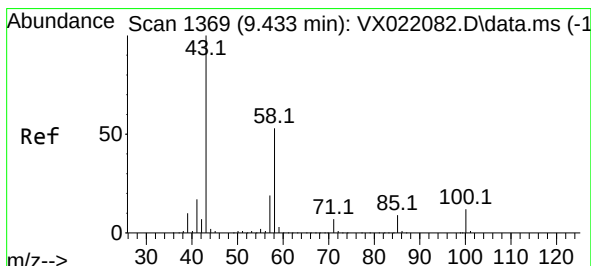
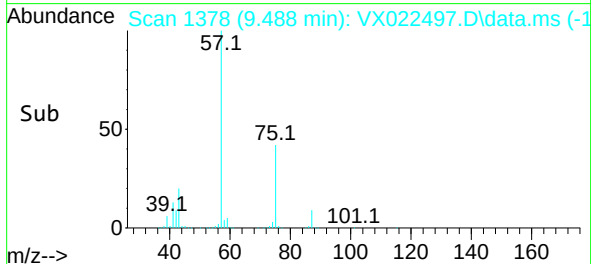
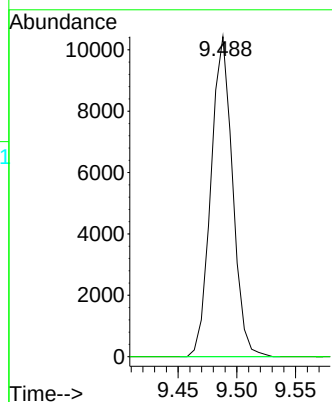
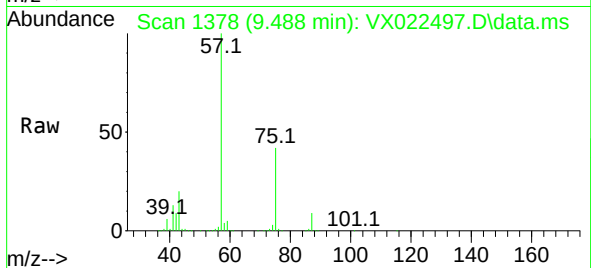


#57

1,3-Dichloropropane
Concen: 8.592 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

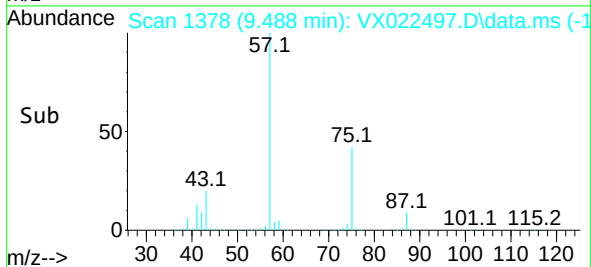
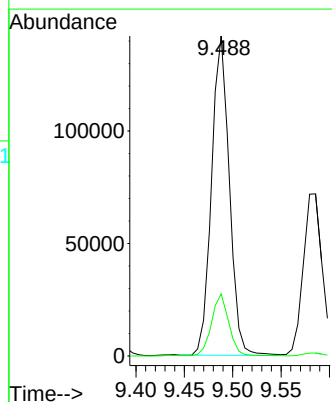
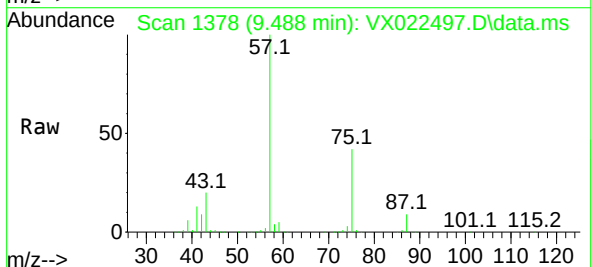
Tgt Ion: 76 Resp: 13375
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

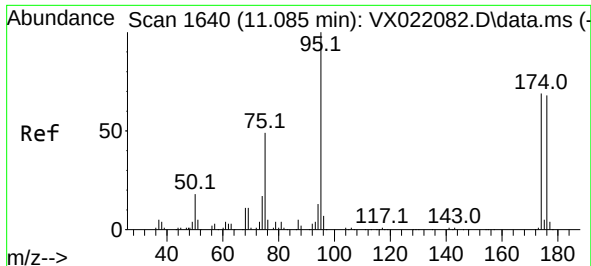


#59

2-Hexanone
Concen: 174.851 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 43 Resp: 182053
Ion Ratio Lower Upper
43 100
58 18.7 30.9 92.8#

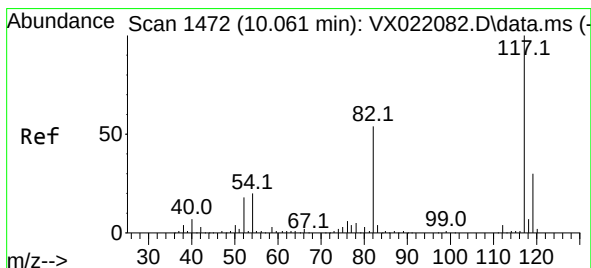
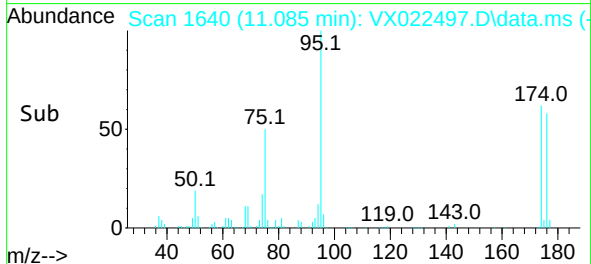
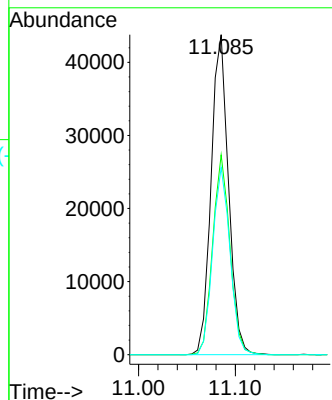
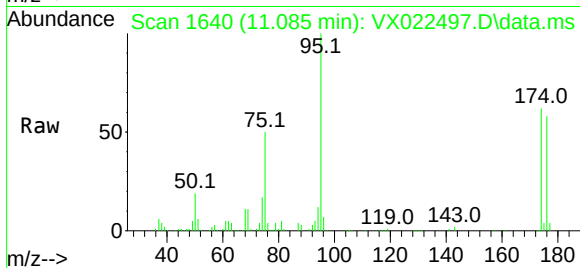




#62
4-Bromofluorobenzene
Concen: 48.541 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

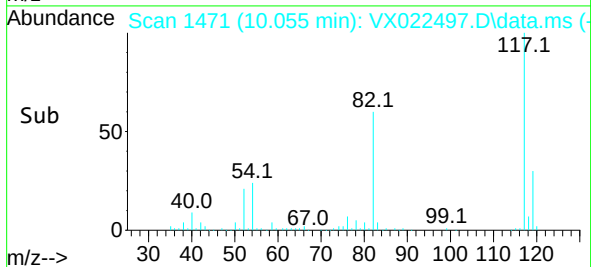
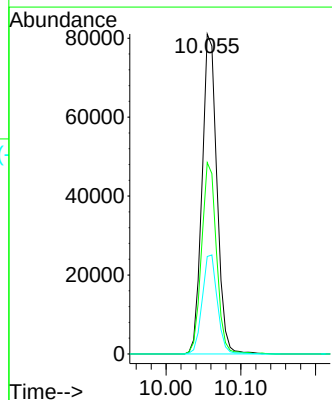
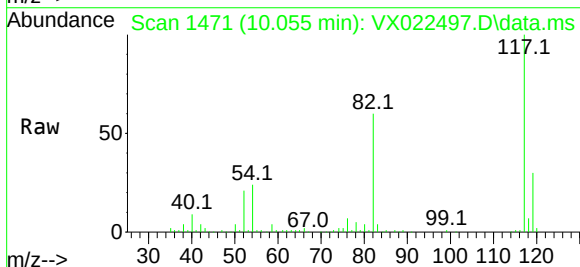
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

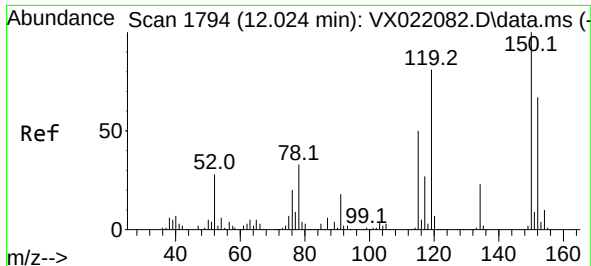
Tgt Ion: 95 Resp: 54631
Ion Ratio Lower Upper
95 100
174 62.0 0.0 154.6
176 58.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

Tgt Ion: 117 Resp: 111968
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 30.4 26.6 39.8

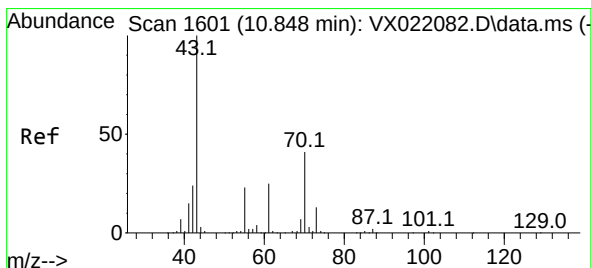
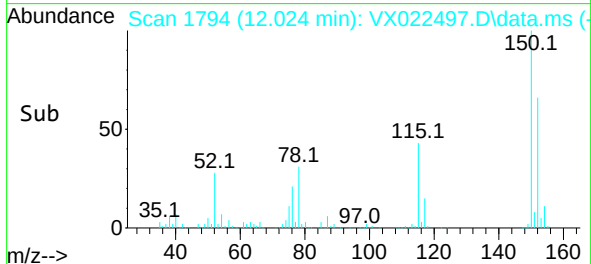
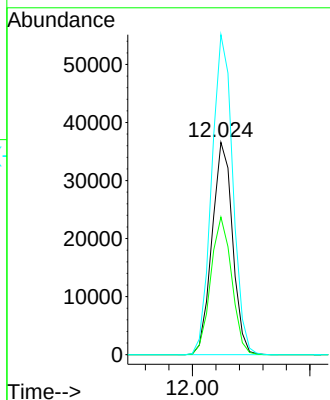
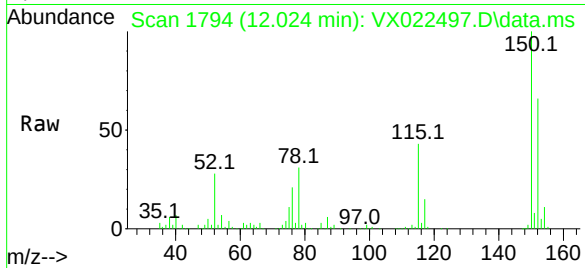




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022497.D
 Acq: 06 Jun 2021 22:51

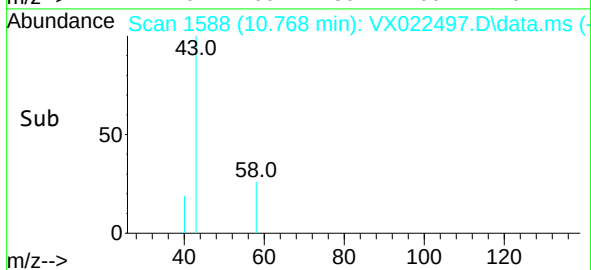
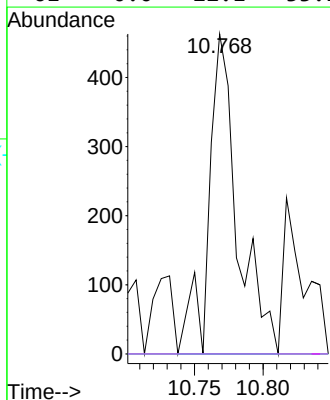
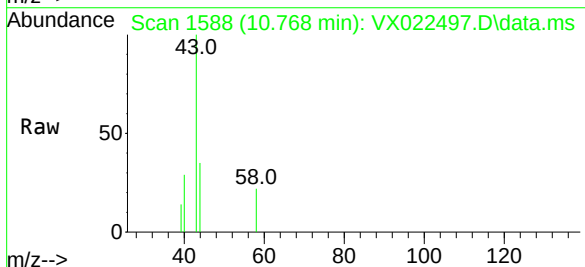
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136829ZHE#06

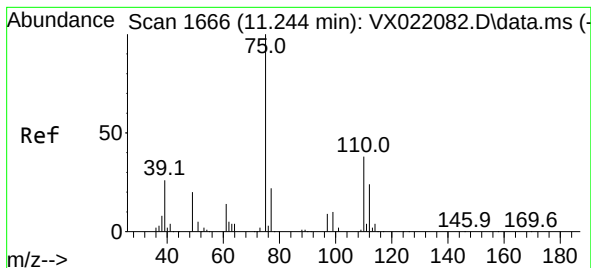
Tgt Ion:152 Resp: 44415
 Ion Ratio Lower Upper
 152 100
 115 66.2 41.1 123.3
 150 154.8 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.380 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.080 min
 Lab File: VX022497.D
 Acq: 06 Jun 2021 22:51

Tgt Ion: 43 Resp: 678
 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#

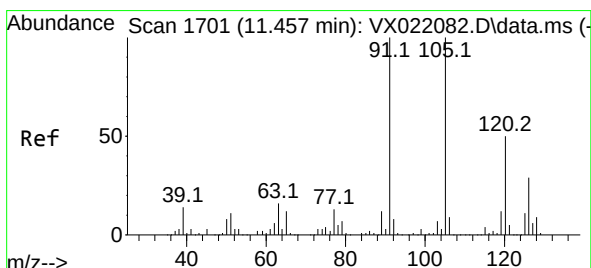
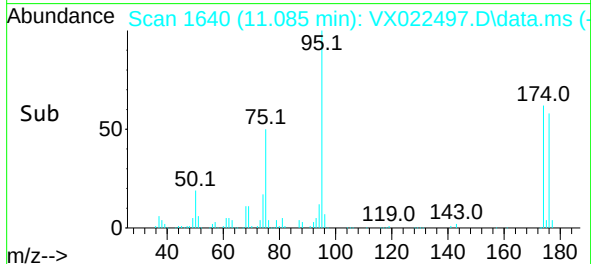
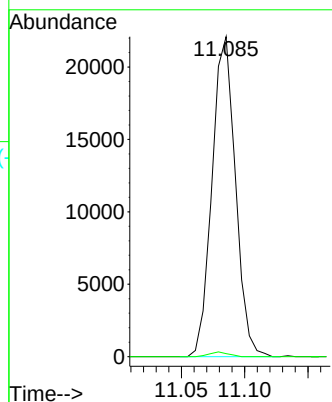
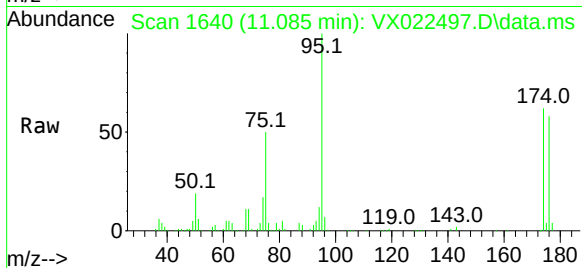




#76
1,2,3-Trichloropropane
Concen: 25.975 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

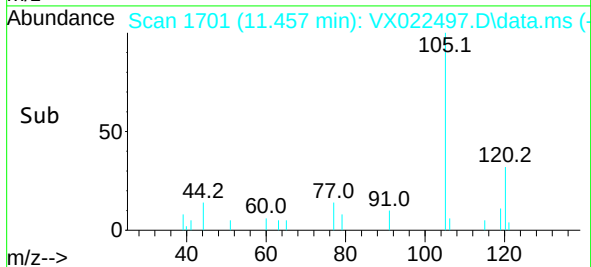
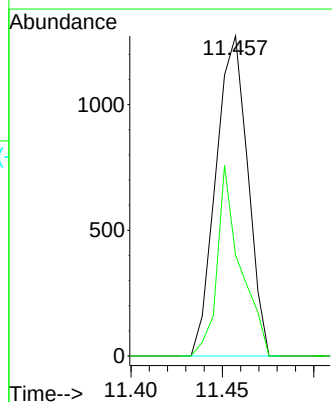
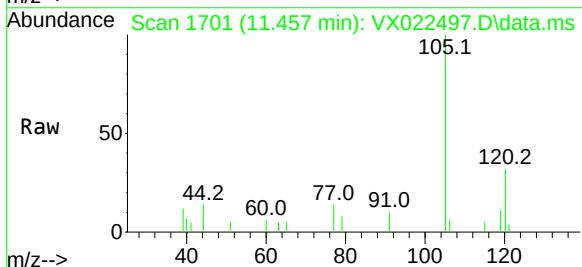
Instrument :
MSVOA_X
ClientSampleId :
PB136829ZHE#06

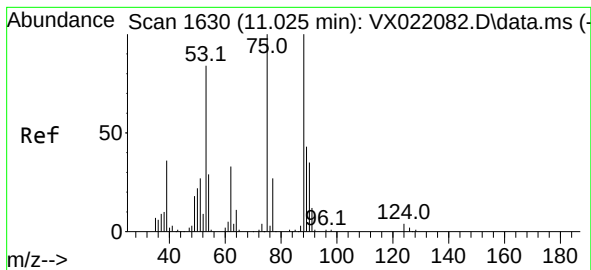
Tgt Ion: 75 Resp: 28462
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.495 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022497.D
Acq: 06 Jun 2021 22:51

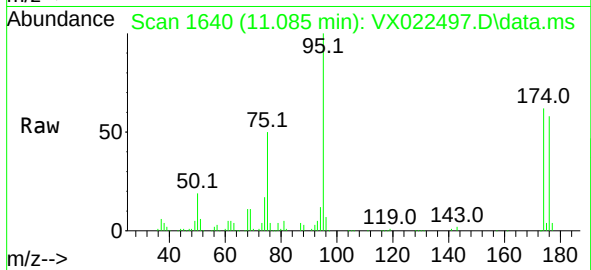
Tgt Ion: 105 Resp: 1543
Ion Ratio Lower Upper
105 100
120 43.4 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.545 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022497.D
 Acq: 06 Jun 2021 22:51

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136829ZHE#06



Tgt Ion: 75 Resp: 28462
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

