

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023344.D
 Acq On : 19 Jul 2021 16:27
 Operator : JC/MD
 Sample : PB137749ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#09

Quant Time: Jul 20 05:26:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

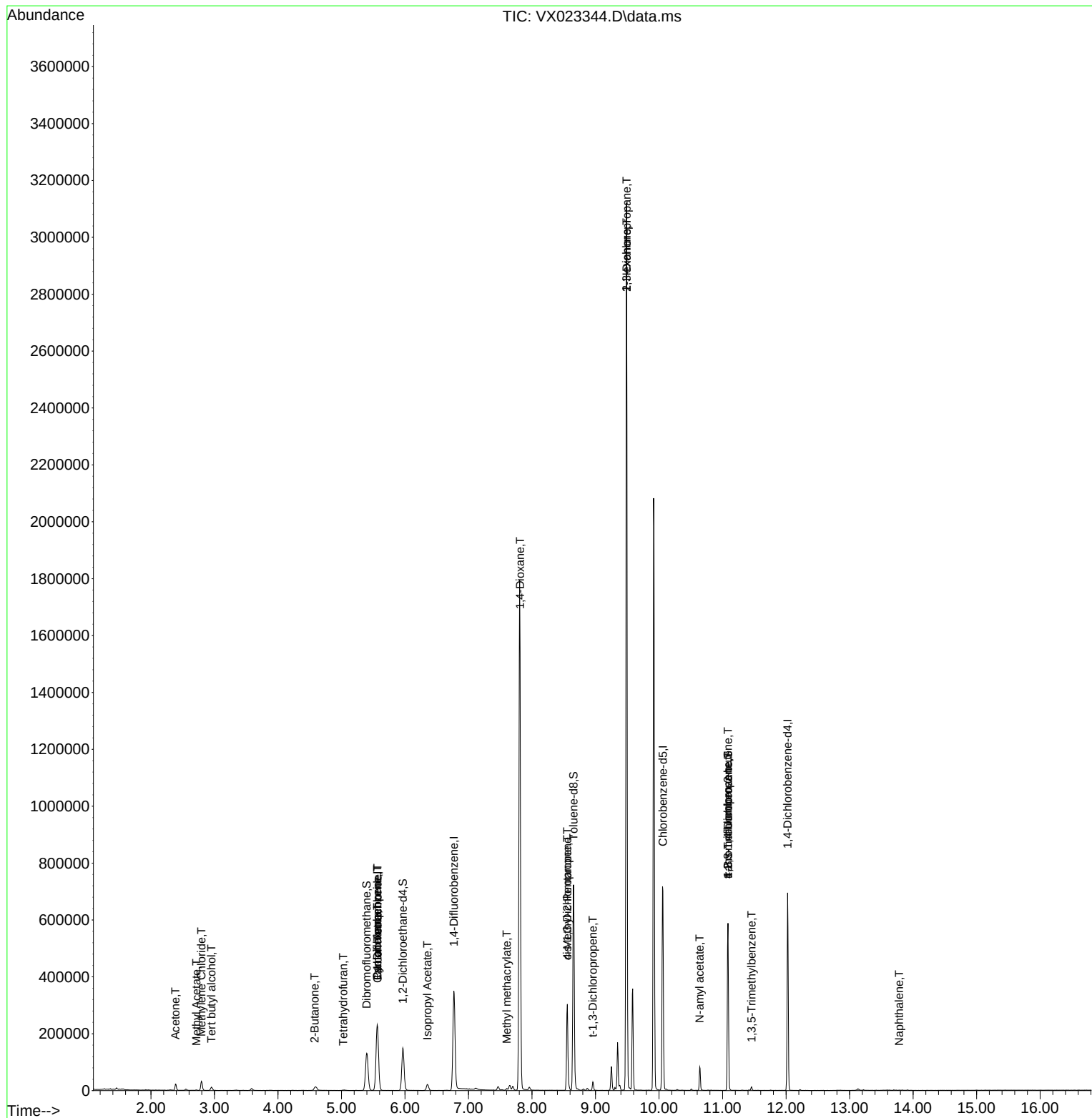
Internal Standards						
1) Pentafluorobenzene	5.562	168	214150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	326865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151548	52.654	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.300%			
35) Dibromofluoromethane	5.397	113	113724	50.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.653	98	425940	50.371	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.740%			
62) 4-Bromofluorobenzene	11.085	95	157317	48.190	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.380%			
Target Compounds					Qvalue	
5) Bromomethane	1.569	94	53	Below Cal	#	2
11) Tert butyl alcohol	2.952	59	6579	10.866	ug/l #	76
16) Acetone	2.385	43	23093	20.280	ug/l	88
18) Methyl Acetate	2.715	43	2441	0.883	ug/l #	86
20) Methylene Chloride	2.794	84	14499	5.914	ug/l	95
25) 2-Butanone	4.574	43	5783	3.368	ug/l #	78
29) Tetrahydrofuran	5.025	42	1919	1.739	ug/l #	58
31) Cyclohexane	5.562	56	4541	1.318	ug/l #	7
36) 1,1-Dichloropropene	5.562	75	16801	5.369	ug/l #	45
38) Carbon Tetrachloride	5.568	117	22619	6.924	ug/l #	16
43) Isopropyl Acetate	6.354	43	28989	5.105	ug/l	94
48) Methyl methacrylate	7.604	41	8057	2.892	ug/l #	10
49) 1,4-Dioxane	7.811	88	336	5.358	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	104037	29.567	ug/l #	45
53) t-1,3-Dichloropropene	8.957	75	137	2.770	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	46369	13.069	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	28358	6.948	ug/l #	42
59) 2-Hexanone	9.488	43	332146	123.025	ug/l #	46
74) N-amyl acetate	10.640	43	19609	4.816	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	81151	29.610	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	5398	0.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	81151	79.564	ug/l #	12
95) Naphthalene	13.780	128	762	1.349	ug/l #	85

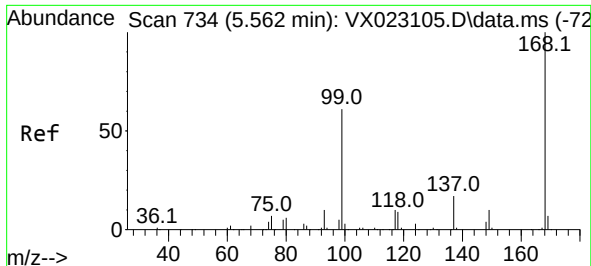
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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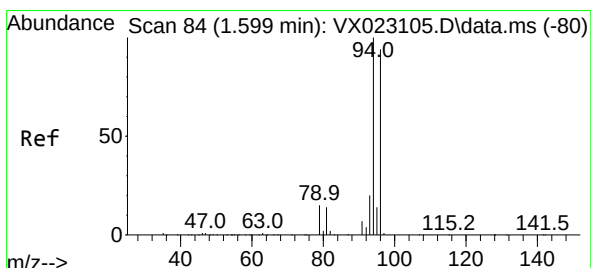
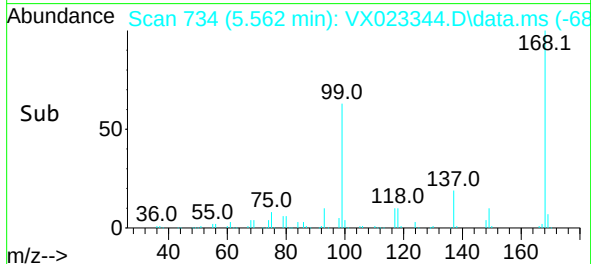
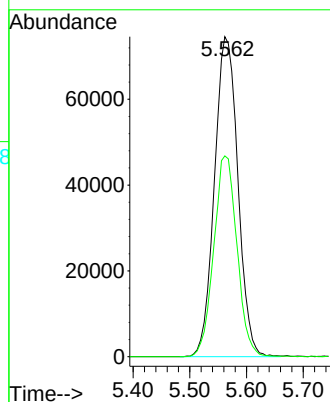
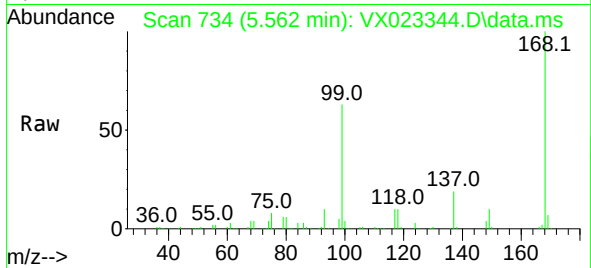




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

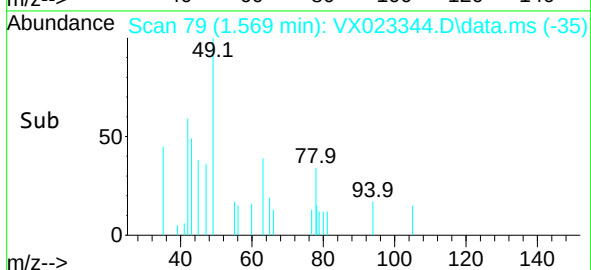
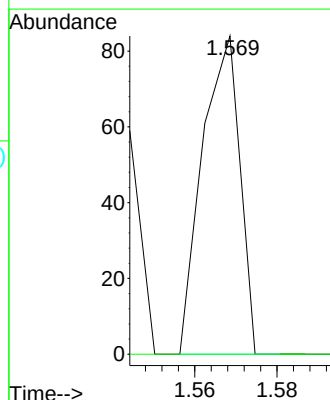
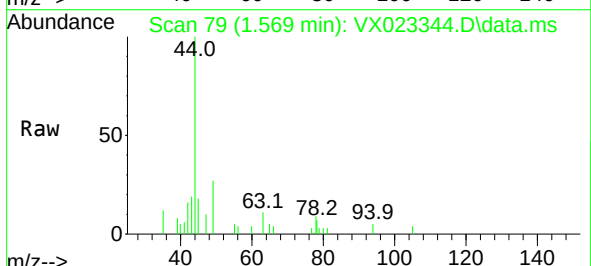
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

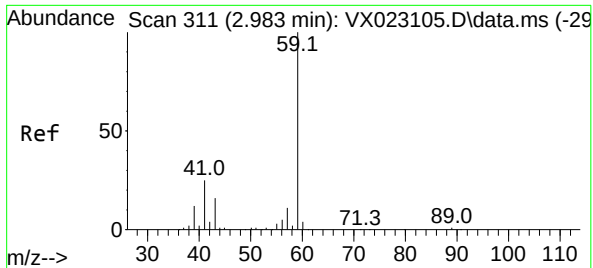
Tgt Ion:168 Resp: 214150
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.569 min Scan# 79
Delta R.T. -0.030 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

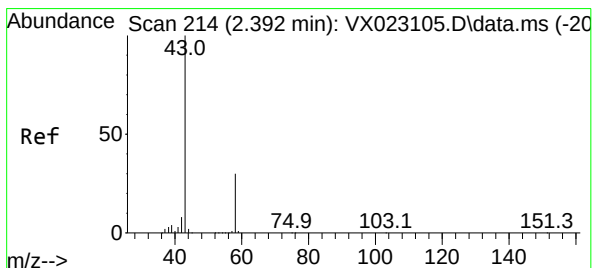
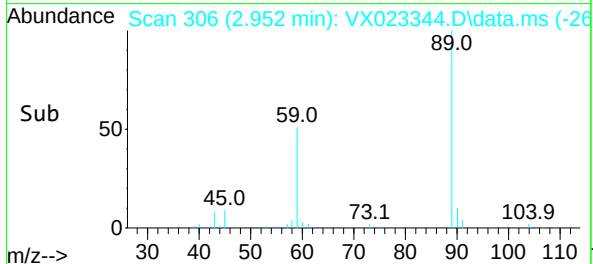
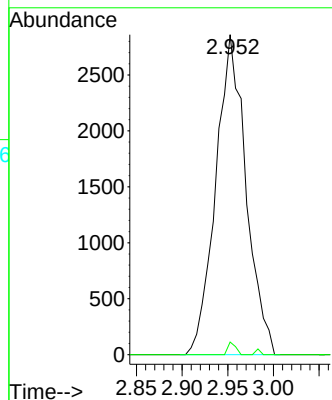
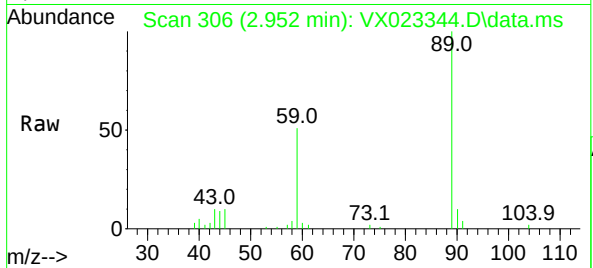




#11
Tert butyl alcohol
Concen: 10.866 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

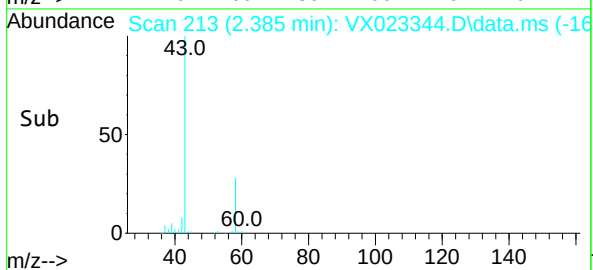
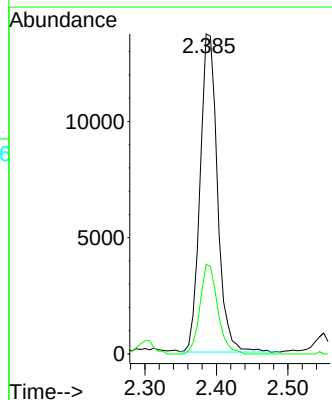
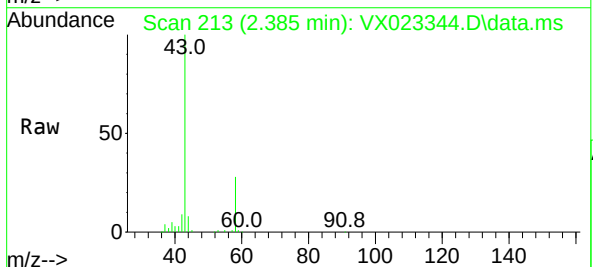
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

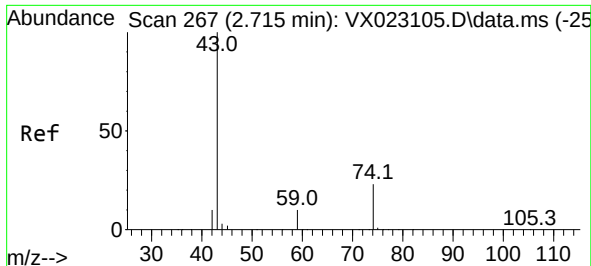
Tgt Ion: 59 Resp: 6579
Ion Ratio Lower Upper
59 100
57 1.0 7.8 11.8#



#16
Acetone
Concen: 20.280 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 43 Resp: 23093
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8

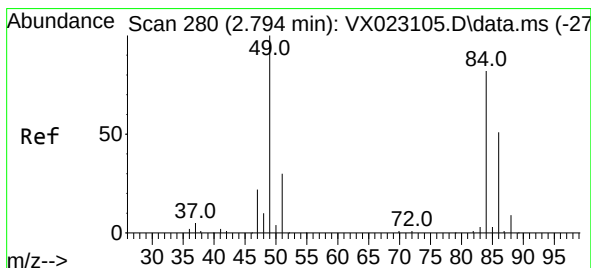
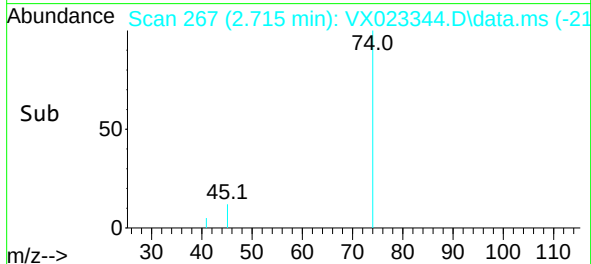
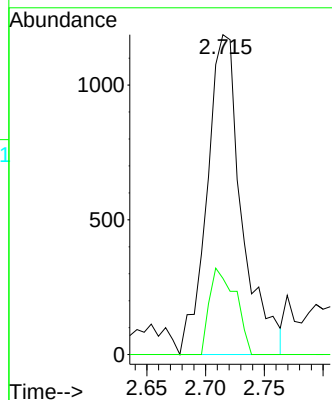
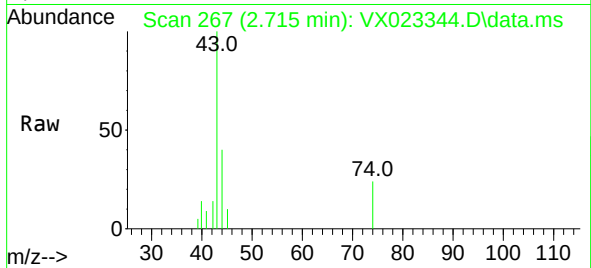




#18
Methyl Acetate
Concen: 0.883 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

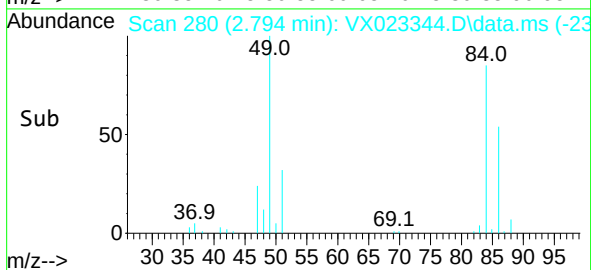
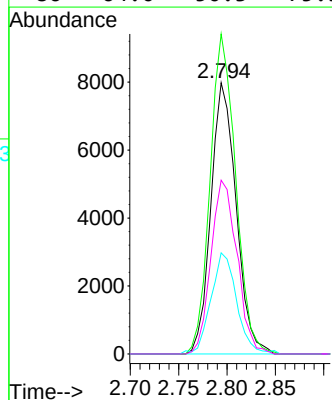
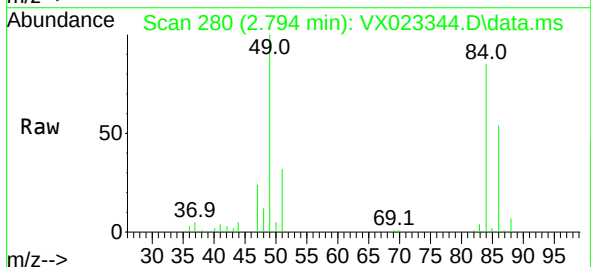
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

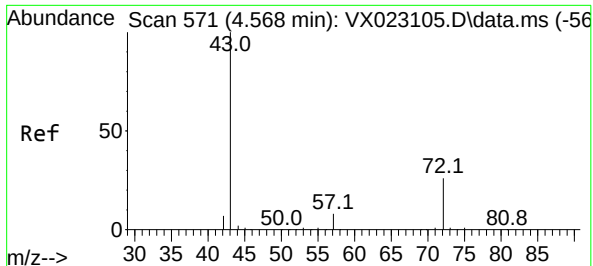
Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
74 20.3 21.9 32.9#



#20
Methylene Chloride
Concen: 5.914 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 84 Resp: 14499
Ion Ratio Lower Upper
84 100
49 118.0 88.6 132.8
51 37.2 27.0 40.6
86 64.0 50.3 75.5

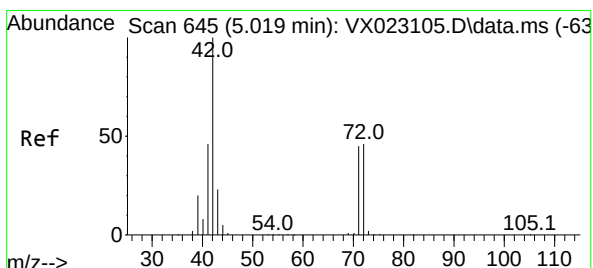
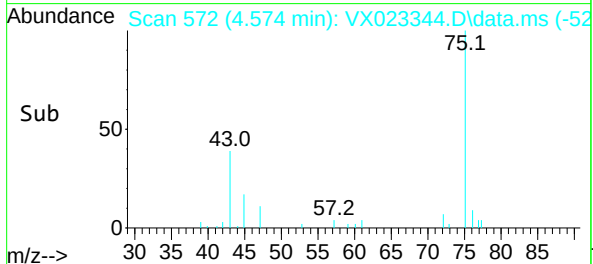
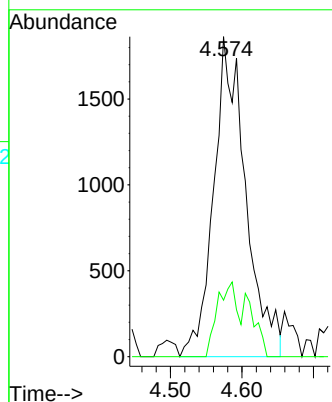
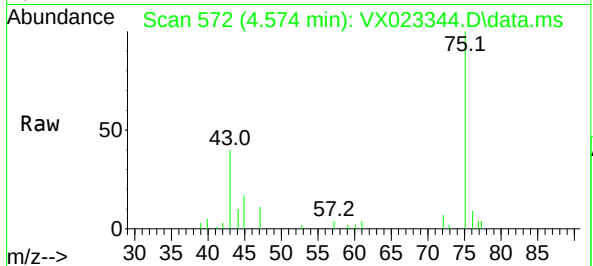




#25
2-Butanone
Concen: 3.368 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

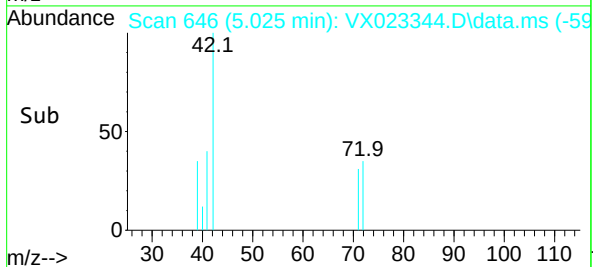
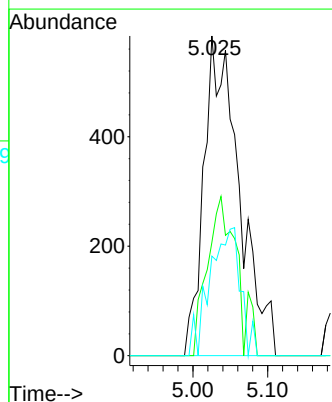
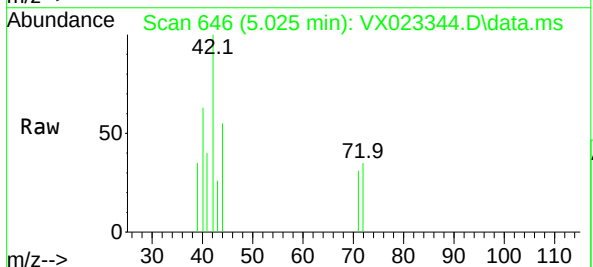
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

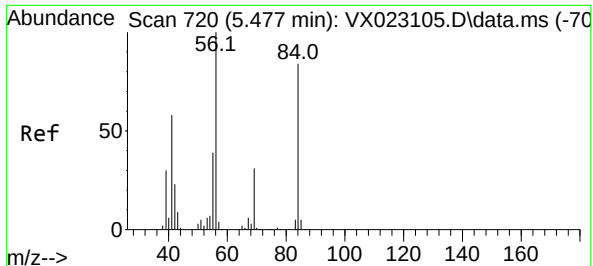
Tgt Ion: 43 Resp: 5783
Ion Ratio Lower Upper
43 100
72 17.7 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.739 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 42 Resp: 1919
Ion Ratio Lower Upper
42 100
72 41.9 41.7 62.5
71 0.0 38.4 57.6#

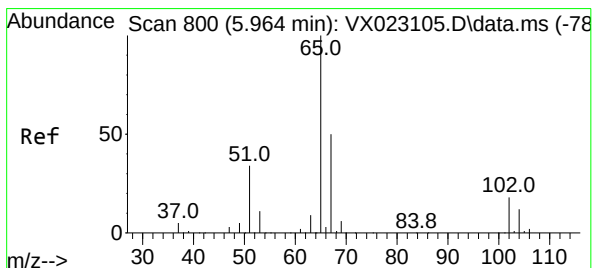
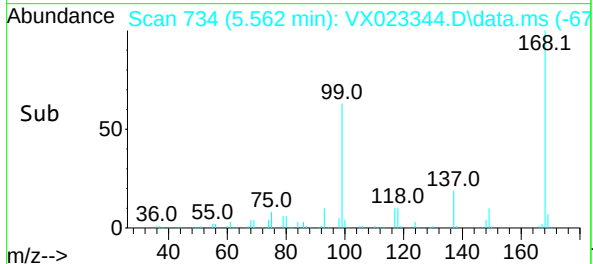
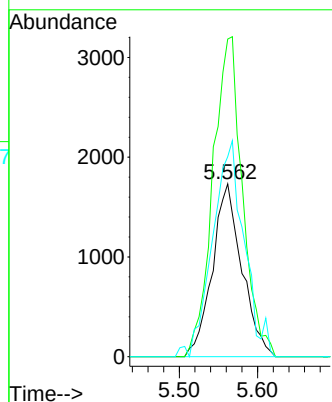
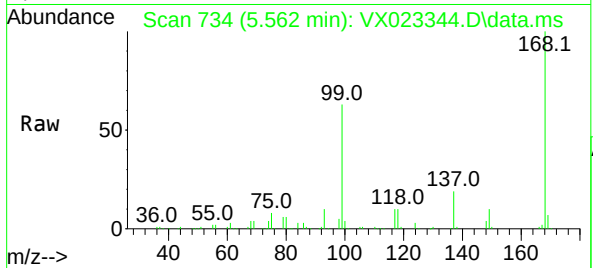




#31
Cyclohexane
Concen: 1.318 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

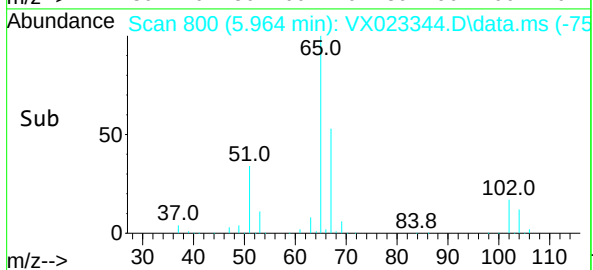
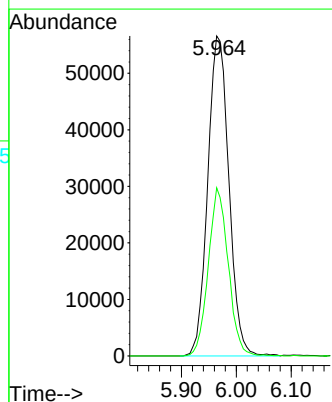
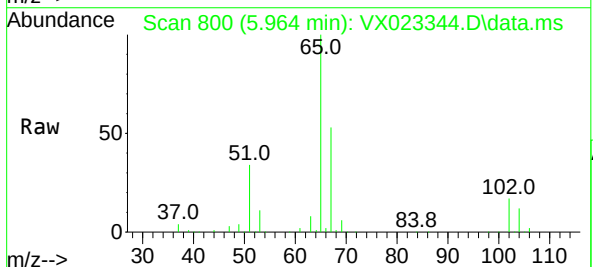
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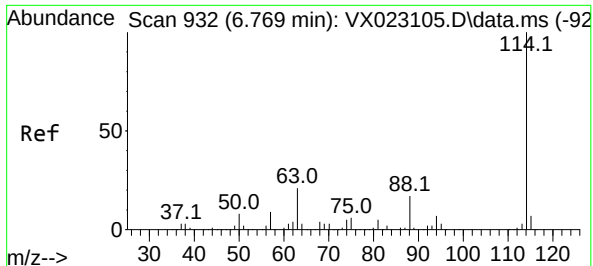
Tgt Ion: 56 Resp: 4541
Ion Ratio Lower Upper
56 100
69 183.7 25.3 37.9#
84 115.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.654 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 65 Resp: 151548
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

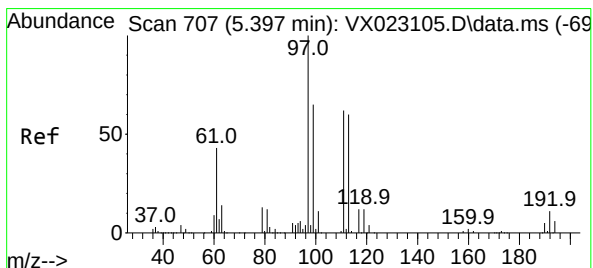
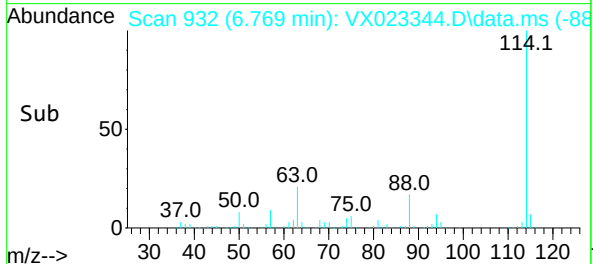
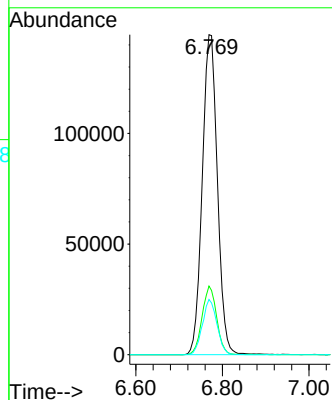
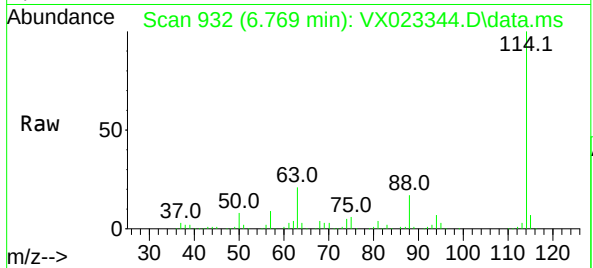




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

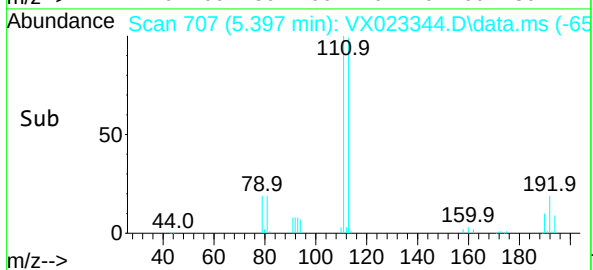
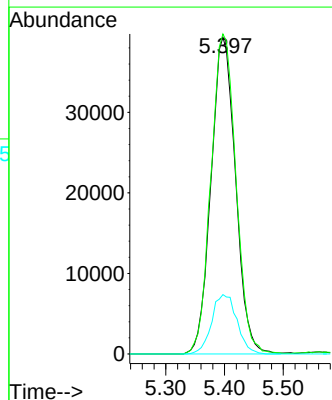
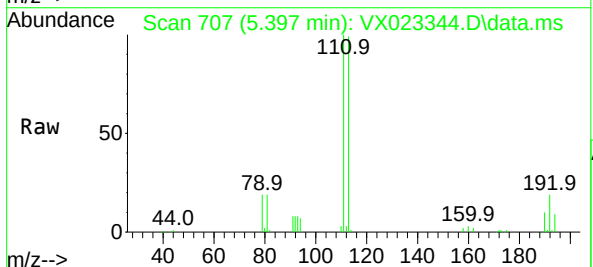
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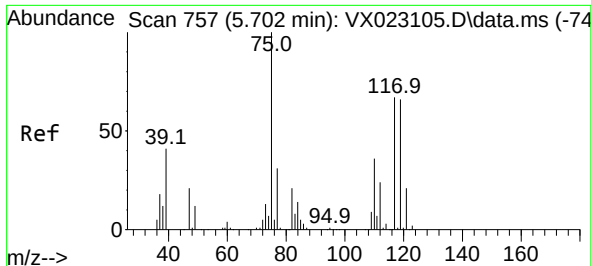
Tgt Ion:114 Resp: 351046
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.167 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion:113 Resp: 113724
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.3 16.7 25.1

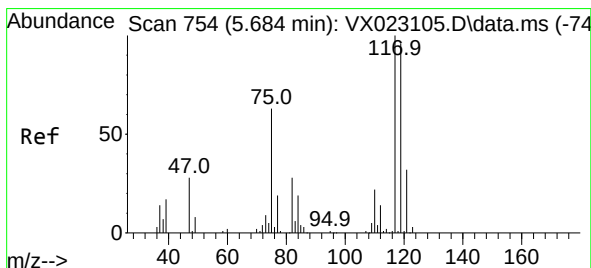
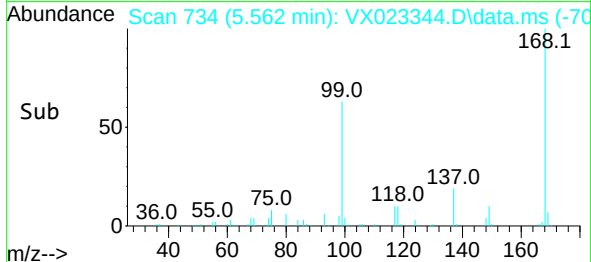
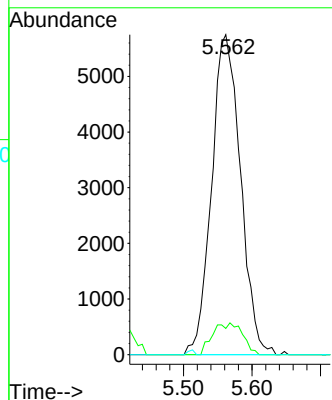
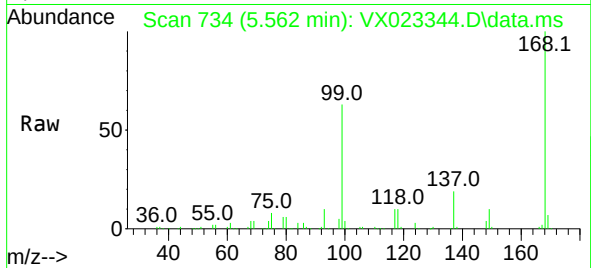




#36
1,1-Dichloropropene
Concen: 5.369 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

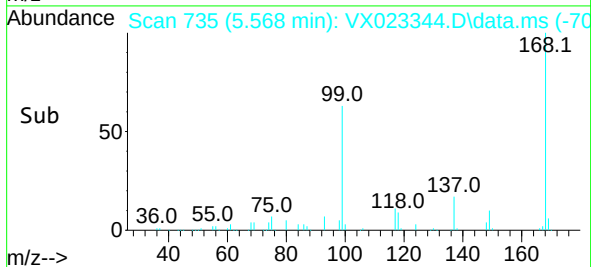
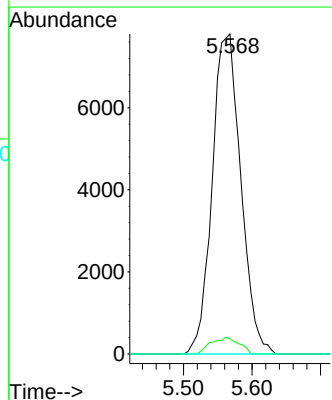
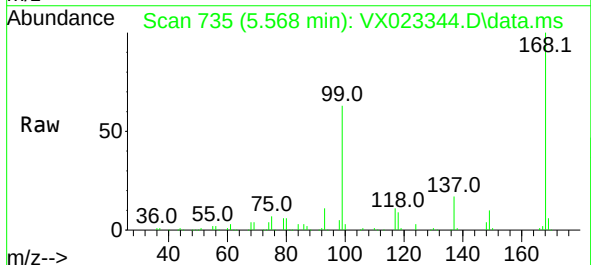
Instrument :
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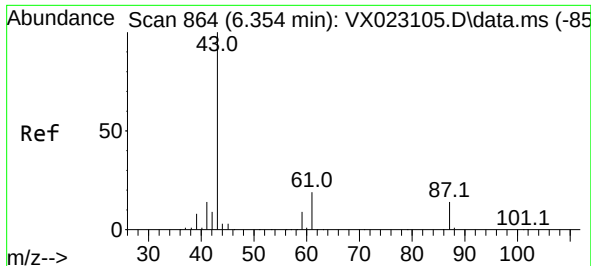
Tgt Ion: 75 Resp: 16801
Ion Ratio Lower Upper
75 100
110 5.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.924 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 117 Resp: 22619
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

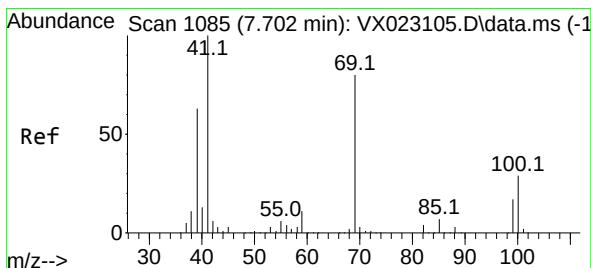
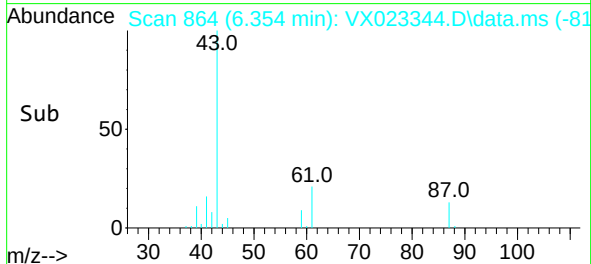
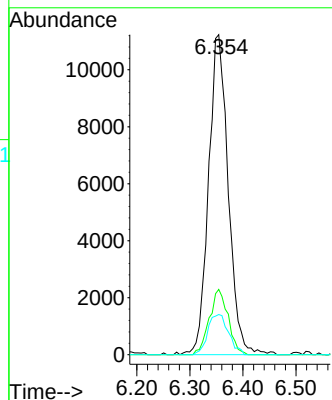
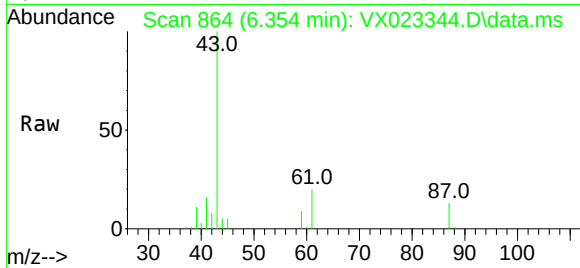




#43
Isopropyl Acetate
Concen: 5.105 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

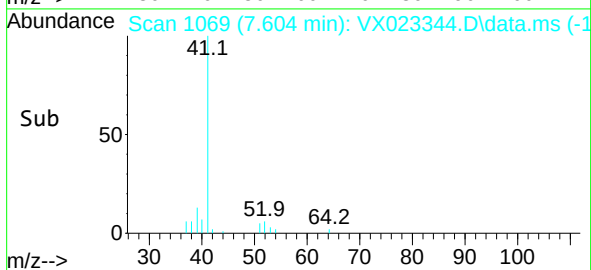
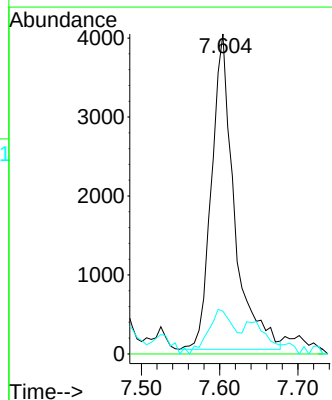
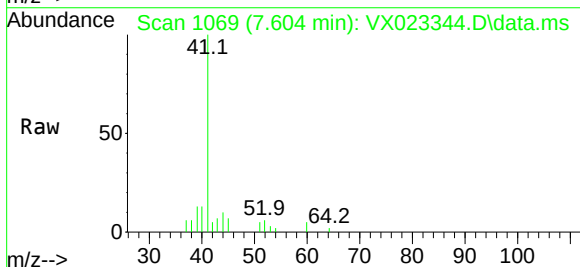
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

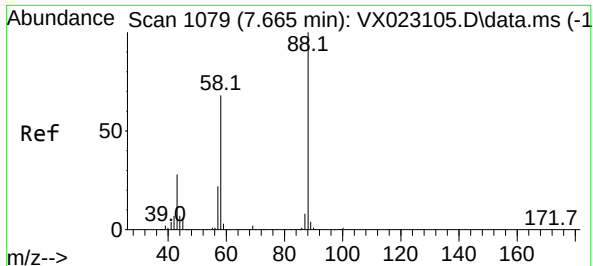
Tgt Ion:	43	Resp:	28989
Ion	Ratio	Lower	Upper
43	100		
61	19.5	18.2	27.4
87	13.2	12.5	18.7



#48
Methyl methacrylate
Concen: 2.892 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion:	41	Resp:	8057
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

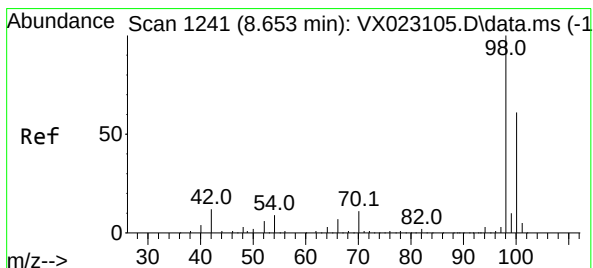
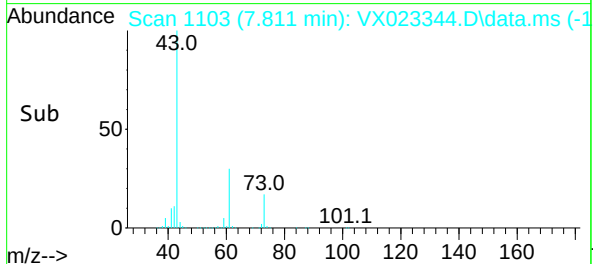
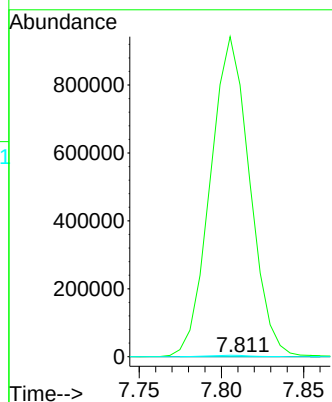
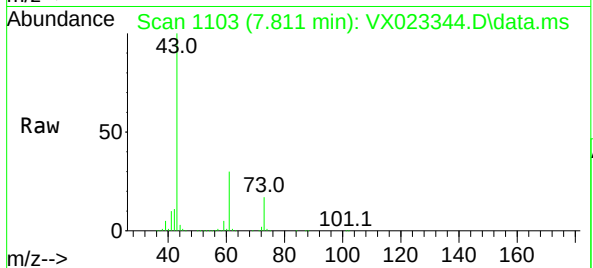




#49
1,4-Dioxane
Concen: 5.358 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.146 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

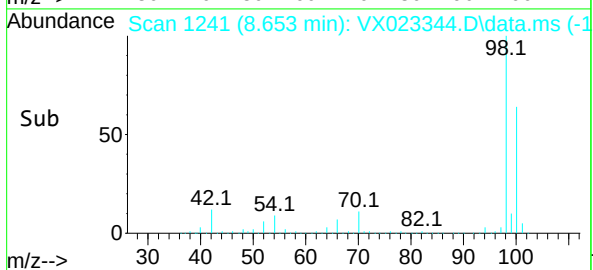
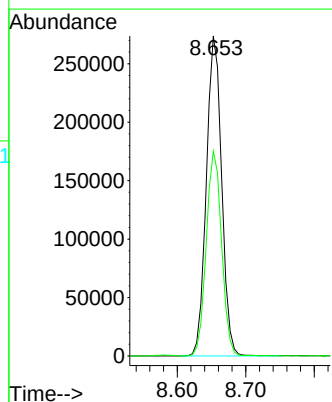
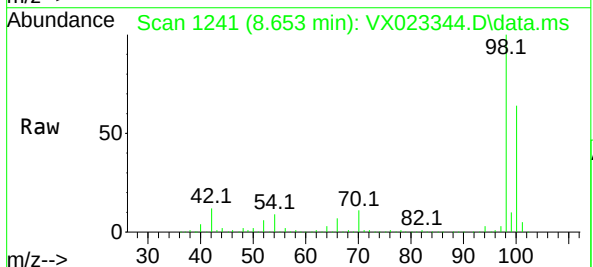
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

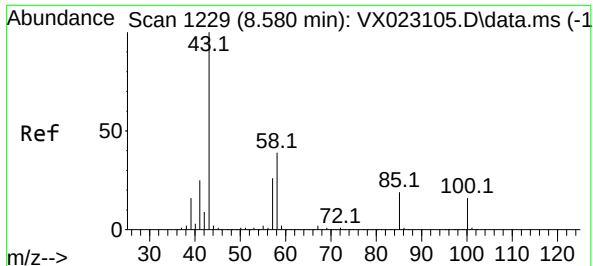
Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 469431.5 23.2 34.8#
58 2157.4 55.0 82.4#



#50
Toluene-d8
Concen: 50.371 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 98 Resp: 425940
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

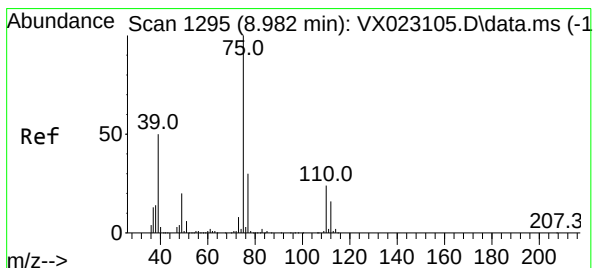
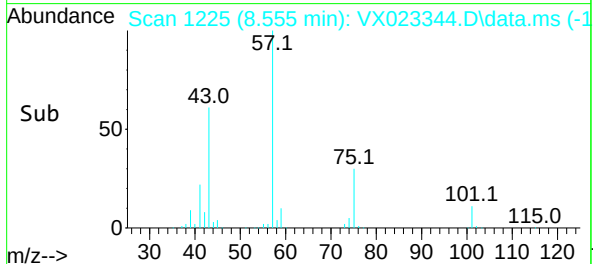
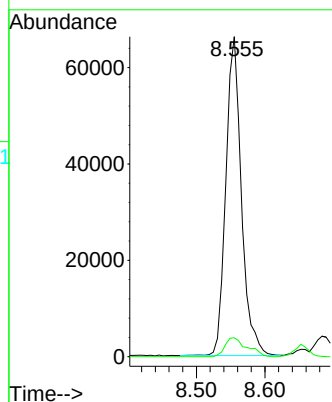
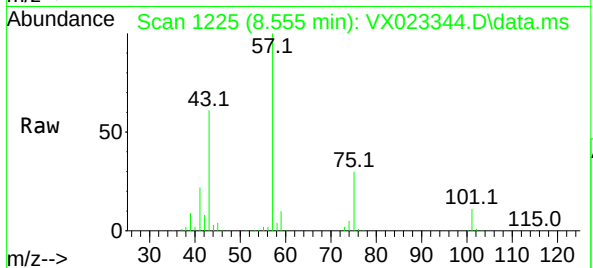




#51
4-Methyl-2-Pentanone
Concen: 29.567 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

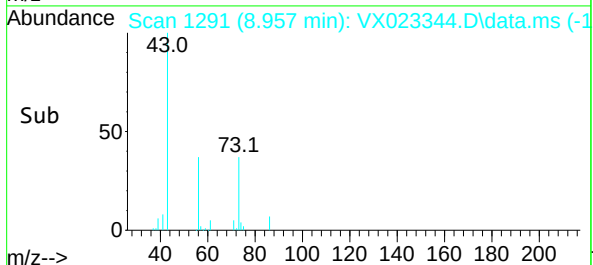
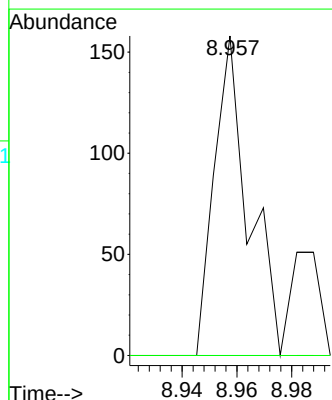
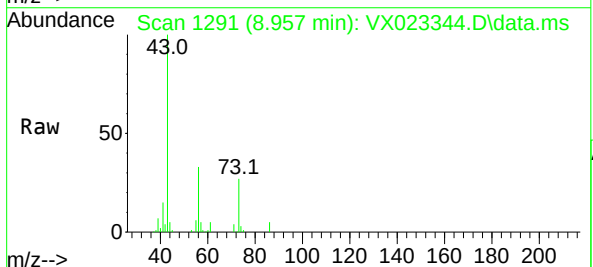
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

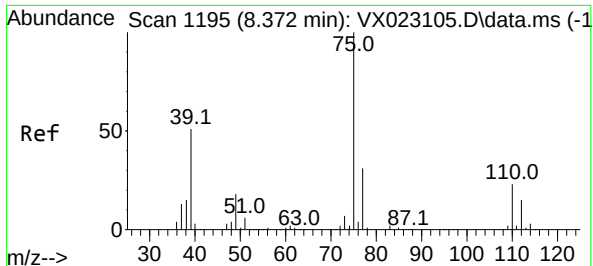
Tgt Ion: 43 Resp: 104037
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.770 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.025 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 75 Resp: 137
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

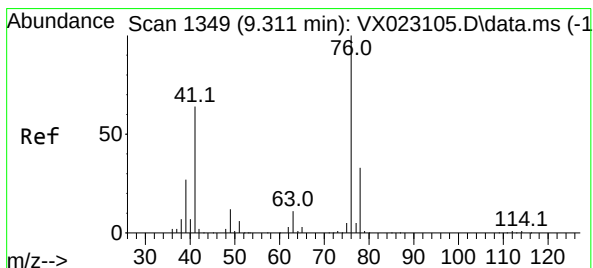
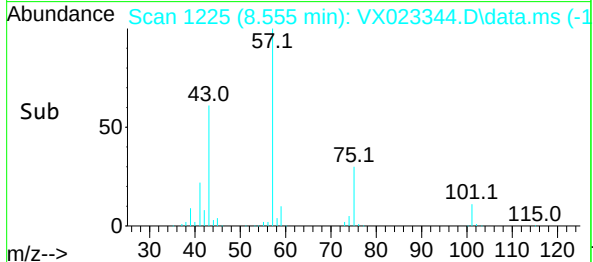
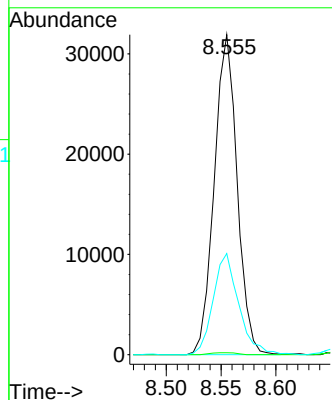
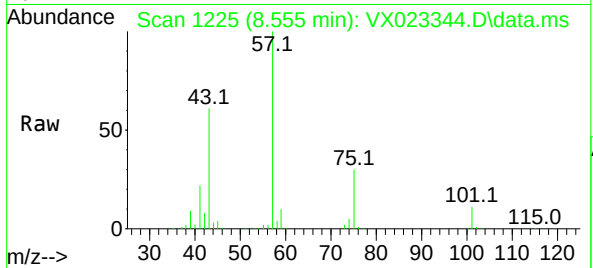




#54
 cis-1,3-Dichloropropene
 Concen: 13.069 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023344.D
 Acq: 19 Jul 2021 16:27

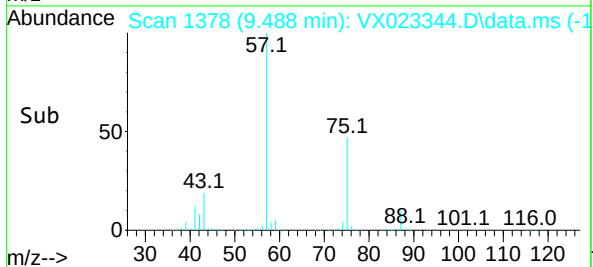
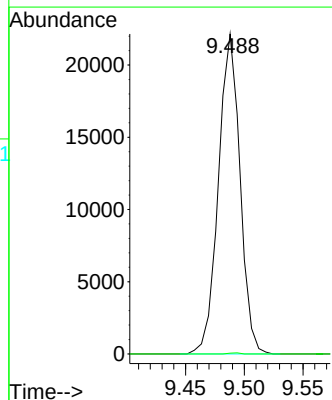
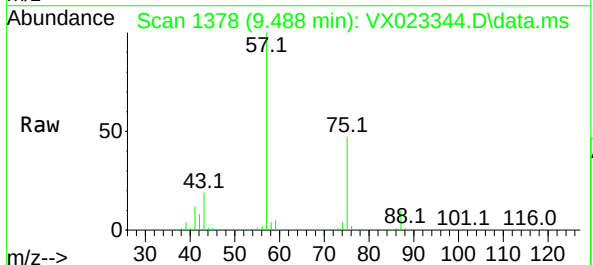
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#09

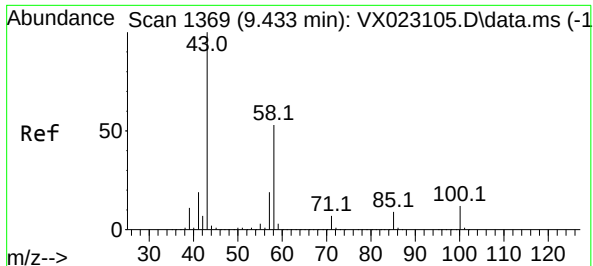
Tgt Ion: 75 Resp: 46369
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 31.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 6.948 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023344.D
 Acq: 19 Jul 2021 16:27

Tgt Ion: 76 Resp: 28358
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

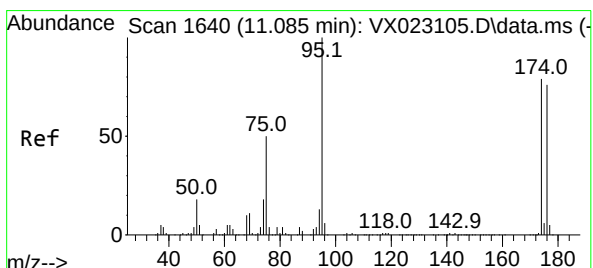
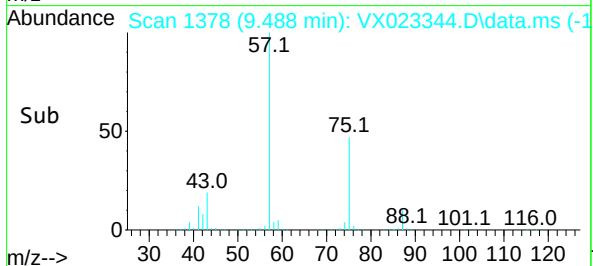
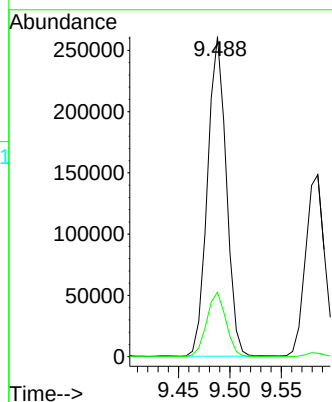
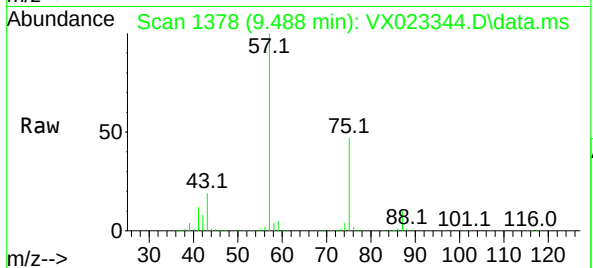




#59
2-Hexanone
Concen: 123.025 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

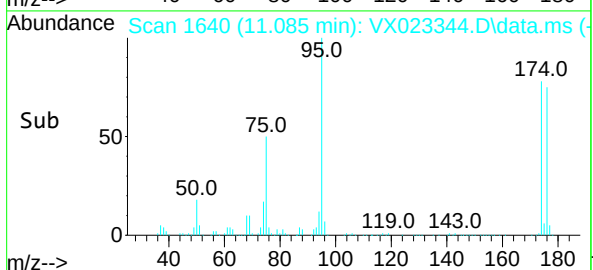
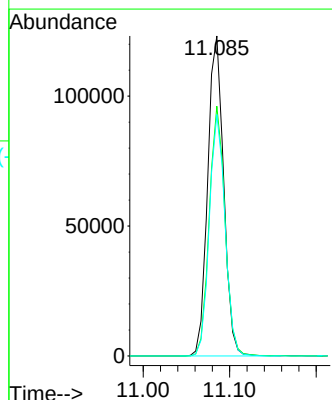
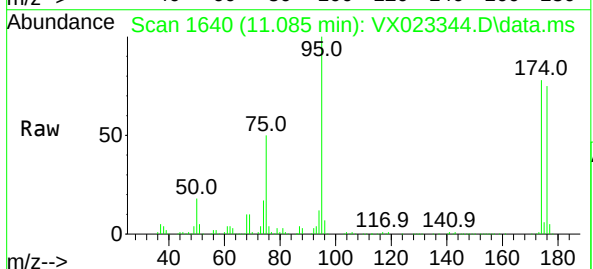
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

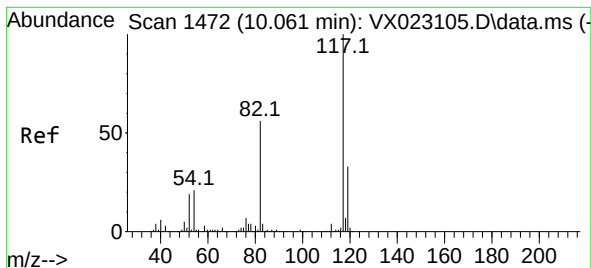
Tgt Ion: 43 Resp: 332146
Ion Ratio Lower Upper
43 100
58 20.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.190 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 95 Resp: 157317
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.6
176 74.4 0.0 155.8

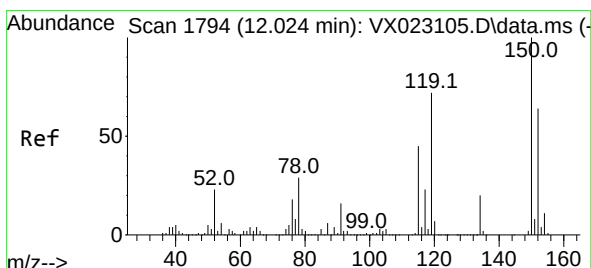
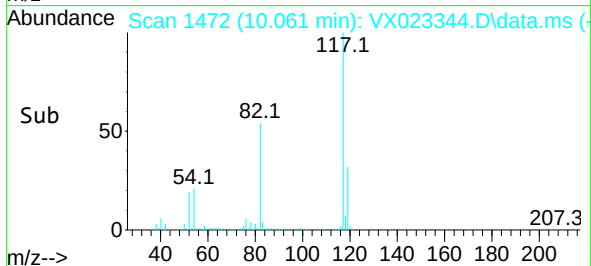
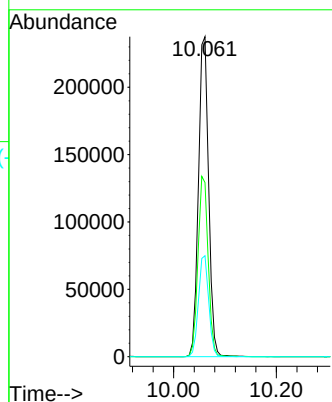
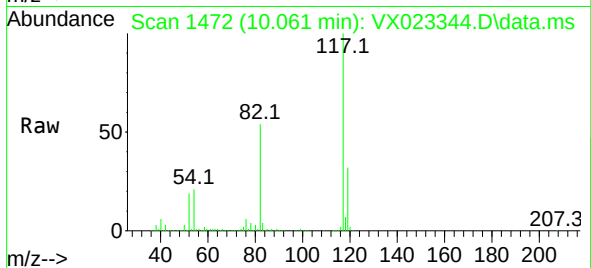




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

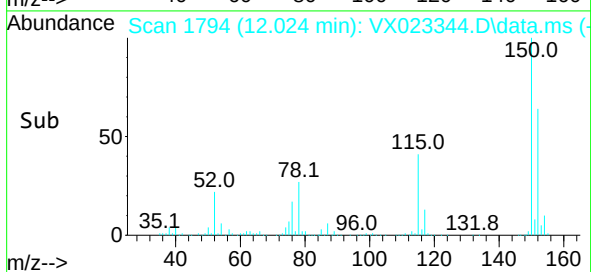
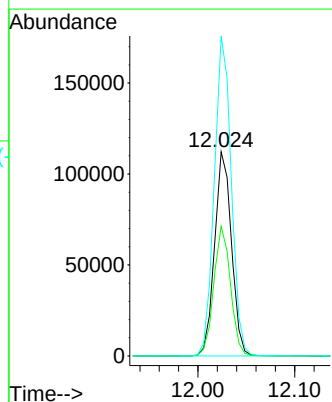
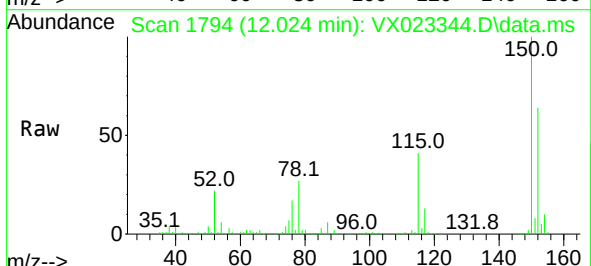
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

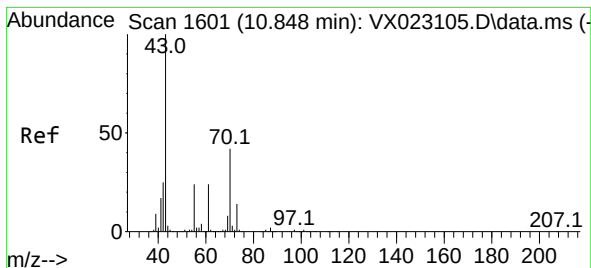
Tgt Ion:117 Resp: 326865
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

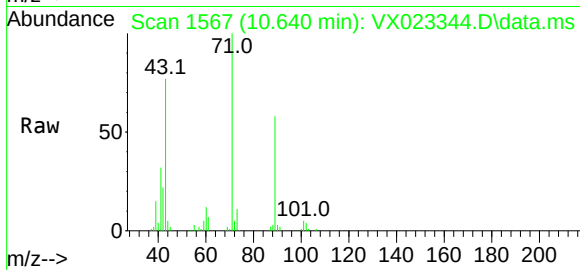
Tgt Ion:152 Resp: 136195
Ion Ratio Lower Upper
152 100
115 62.7 41.1 123.3
150 157.4 0.0 349.0



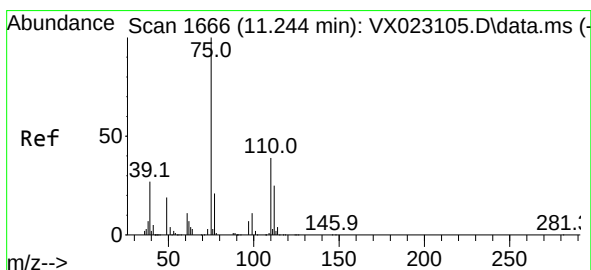
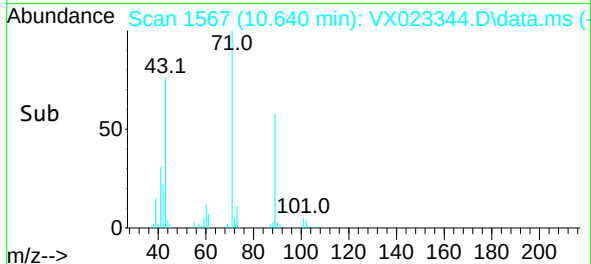
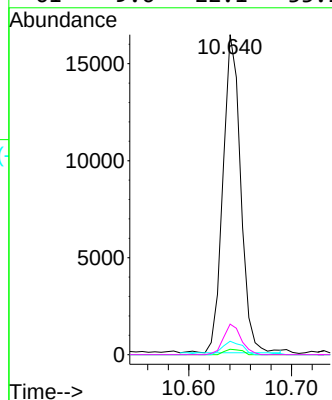


#74
N-amy1 acetate
Concen: 4.816 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09

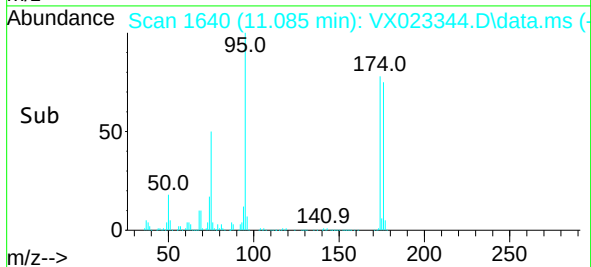
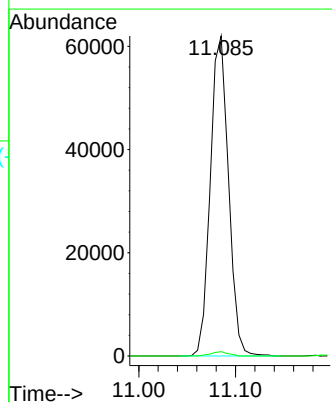
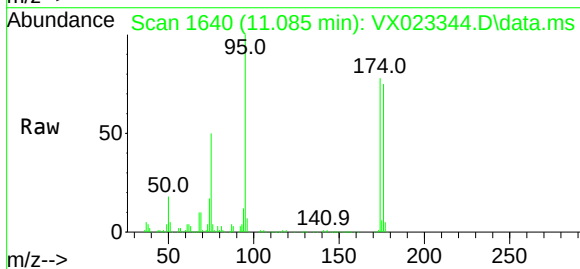


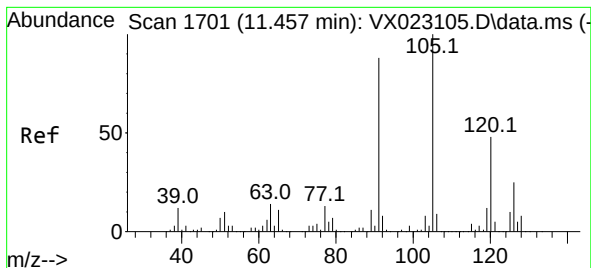
Tgt Ion: 43	Resp: 19609
Ion Ratio	Lower Upper
43	100
70	1.7 39.0 58.6#
55	4.6 21.5 32.3#
61	9.6 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 29.610 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Tgt Ion: 75	Resp: 81151
Ion Ratio	Lower Upper
75	100
77	1.3 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.653 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VX023344.D

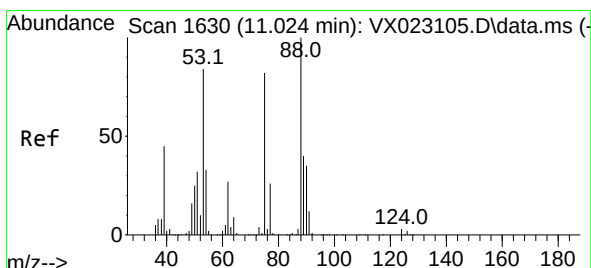
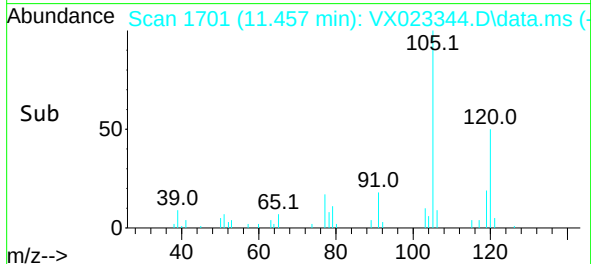
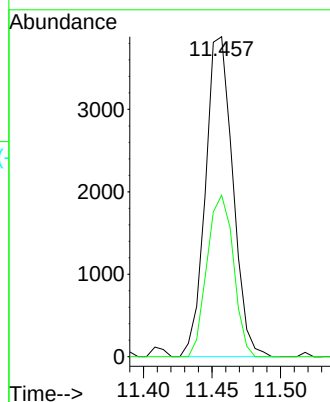
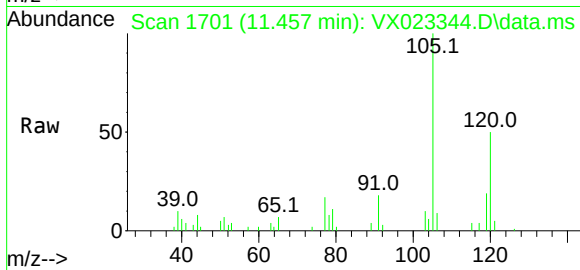
Acq: 19 Jul 2021 16:27

Tgt Ion:105 Resp: 5398

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.5



#81

trans-1,4-Dichloro-2-butene

Concen: 79.564 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX023344.D

Acq: 19 Jul 2021 16:27

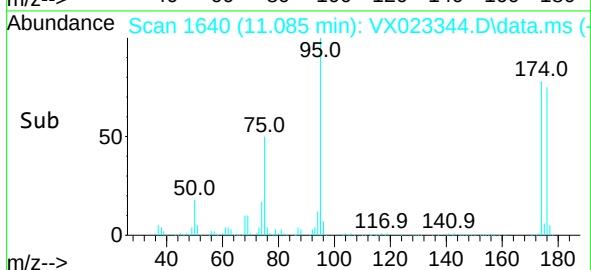
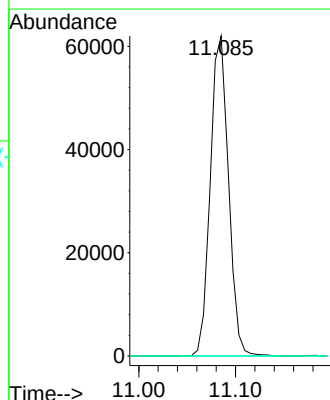
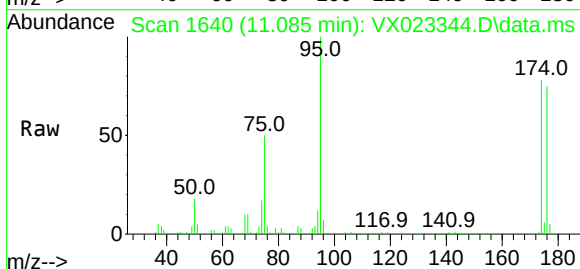
Tgt Ion: 75 Resp: 81151

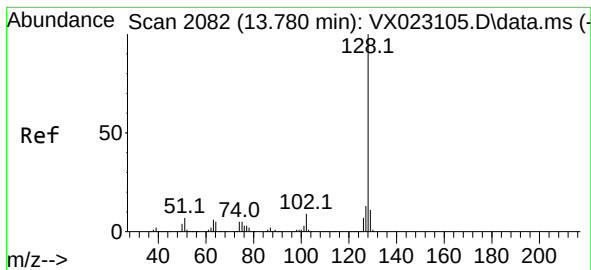
Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

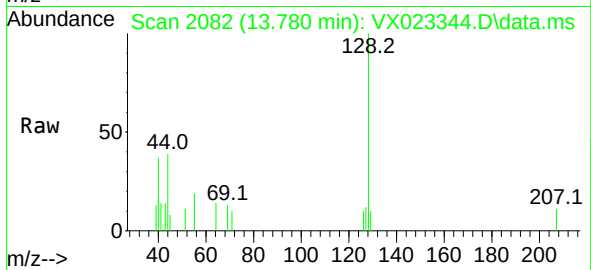
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.349 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023344.D
Acq: 19 Jul 2021 16:27

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#09



Tgt Ion:	128	Resp:	762
Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.3	15.5#
129	3.3	8.8	13.2#

