

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071921\
 Data File : VX023338.D
 Acq On : 19 Jul 2021 13:46
 Operator : JC/MD
 Sample : PB137749ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137749ZHE#02

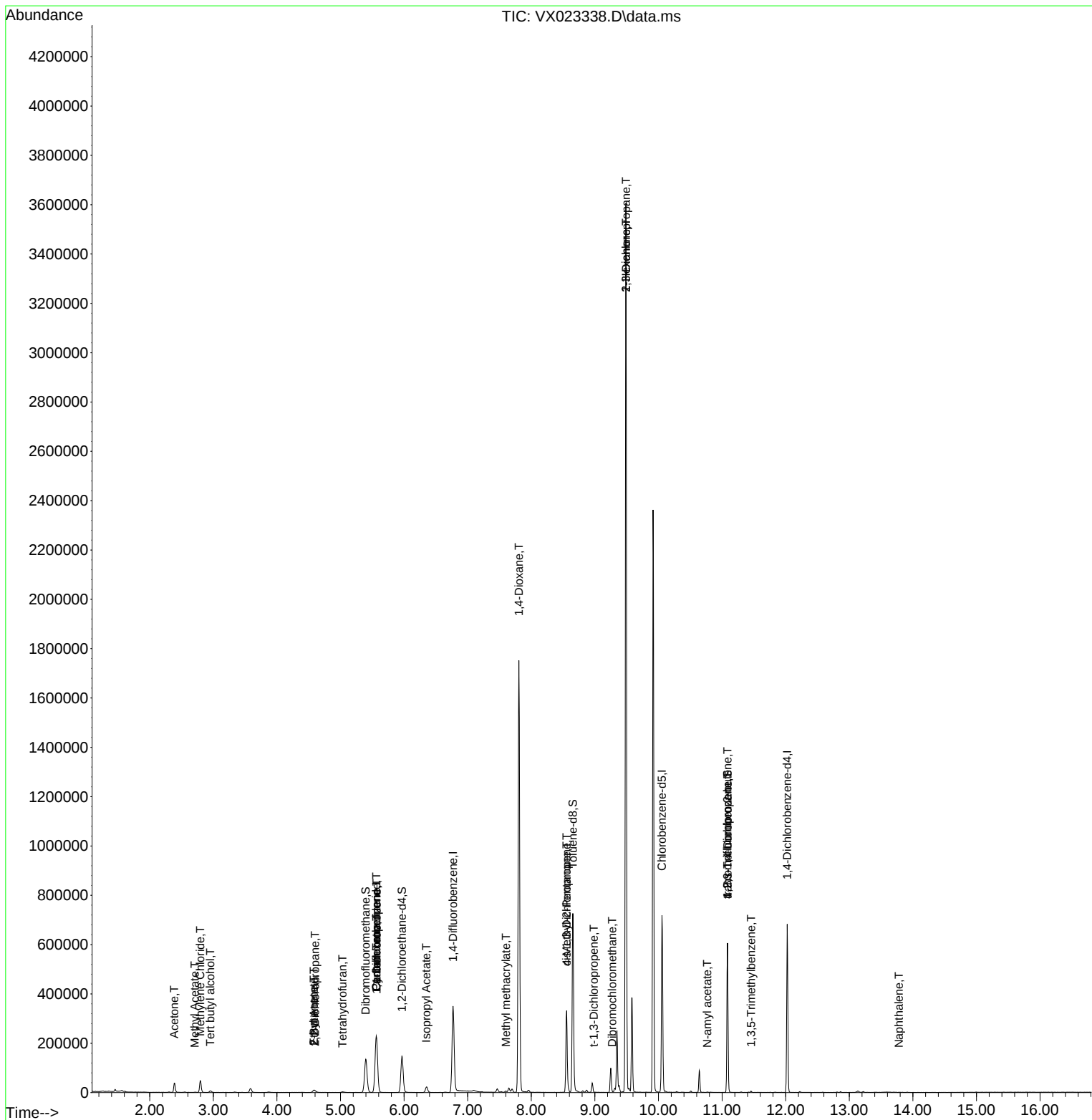
Quant Time: Jul 20 05:24:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	214119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	343832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	320202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151111	52.510	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.020%			
35) Dibromofluoromethane	5.397	113	114691	51.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	8.653	98	421019	50.833	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.085	95	154744	48.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.800%			
Target Compounds			Qvalue			
5) Bromomethane	1.617	94	497	Below Cal #	65	
11) Tert butyl alcohol	2.953	59	4170	6.888 ug/l #	76	
16) Acetone	2.386	43	40635	35.691 ug/l	91	
18) Methyl Acetate	2.709	43	1647	0.596 ug/l	90	
20) Methylene Chloride	2.794	84	22134	9.030 ug/l	97	
25) 2-Butanone	4.580	43	7041	4.101 ug/l	93	
26) 2,2-Dichloropropane	4.599	77	765	0.231 ug/l #	52	
29) Tetrahydrofuran	5.032	42	2645	2.397 ug/l #	74	
31) Cyclohexane	5.562	56	4443	1.289 ug/l #	3	
36) 1,1-Dichloropropene	5.568	75	16673	5.439 ug/l #	50	
37) Ethyl Acetate	4.580	43	7041	2.106 ug/l #	70	
38) Carbon Tetrachloride	5.562	117	22322	6.977 ug/l #	17	
43) Isopropyl Acetate	6.348	43	30572	5.497 ug/l	96	
48) Methyl methacrylate	7.604	41	6319	2.315 ug/l #	10	
49) 1,4-Dioxane	7.805	88	181	2.947 ug/l #	1	
51) 4-Methyl-2-Pentanone	8.555	43	116337	33.756 ug/l #	45	
53) t-1,3-Dichloropropene	8.982	75	20	2.741 ug/l #	1	
54) cis-1,3-Dichloropropene	8.555	75	52837	14.849 ug/l #	65	
57) 1,3-Dichloropropane	9.488	76	30882	7.725 ug/l #	43	
59) 2-Hexanone	9.488	43	419247	158.544 ug/l #	43	
60) Dibromochloromethane	9.275	129	29	3.123 ug/l #	11	
74) N-amyl acetate	10.768	43	943	0.231 ug/l #	47	
76) 1,2,3-Trichloropropane	11.085	75	79730	29.046 ug/l #	39	
80) 1,3,5-Trimethylbenzene	11.457	105	2415	0.292 ug/l	97	
81) trans-1,4-Dichloro-2-b...	11.085	75	79730	78.140 ug/l #	12	
95) Naphthalene	13.780	128	364	1.310 ug/l #	69	

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

Quant Time: Jul 20 05:24:26 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

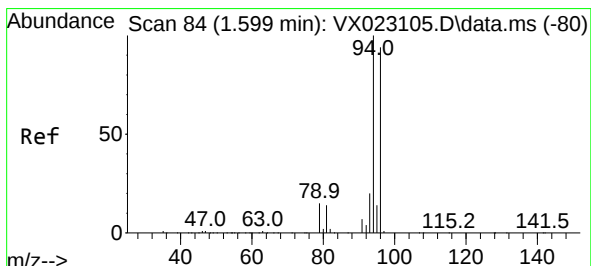
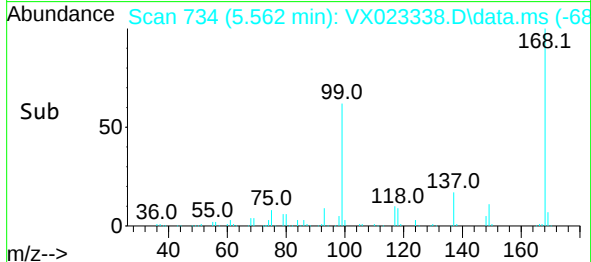
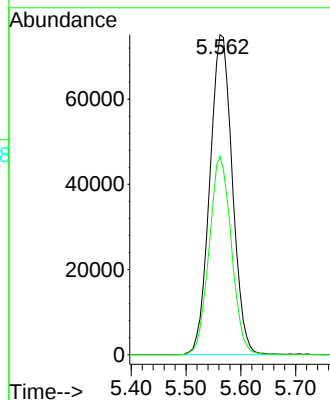
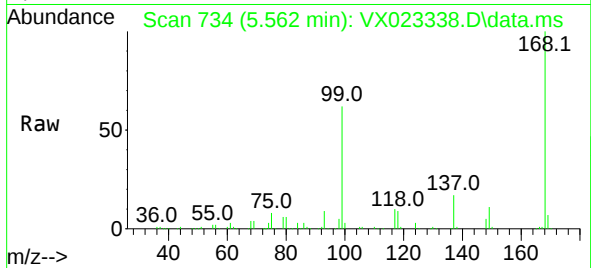




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

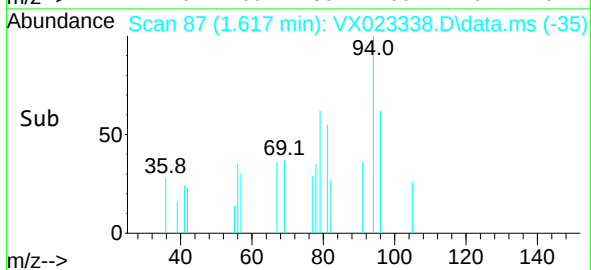
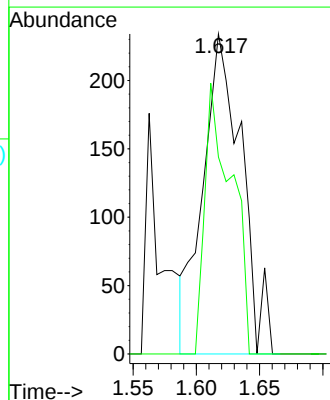
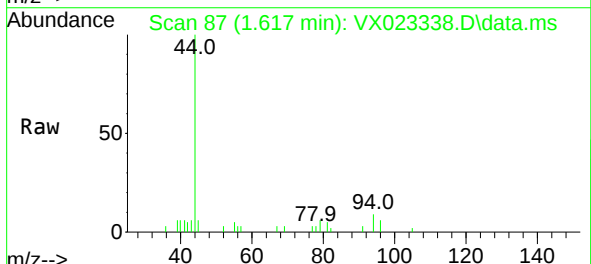
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

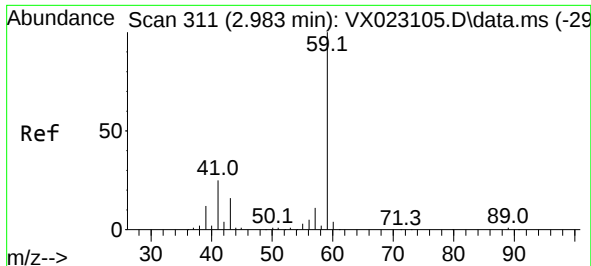
Tgt Ion:168 Resp: 214119
Ion Ratio Lower Upper
168 100
99 61.9 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 61.5 76.4 114.6#



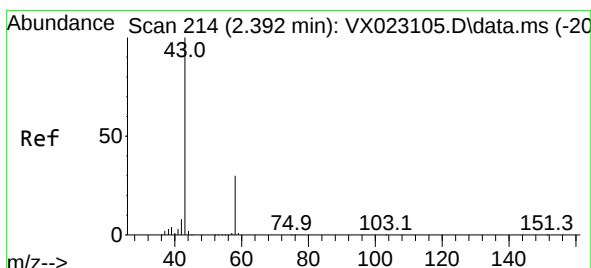
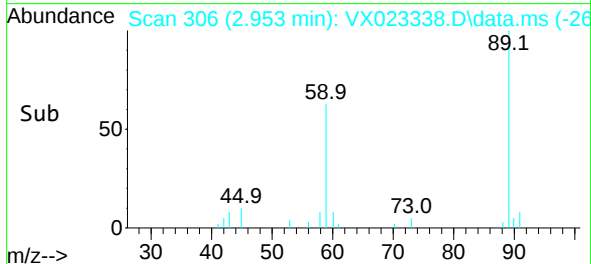
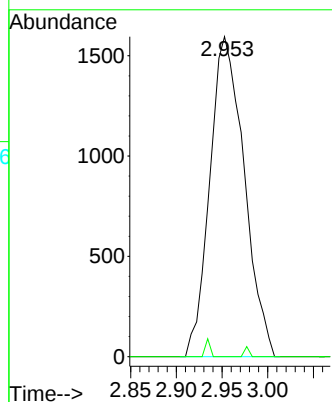
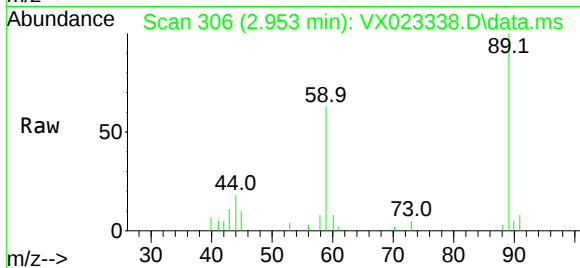


#11

Tert butyl alcohol
Concen: 6.888 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

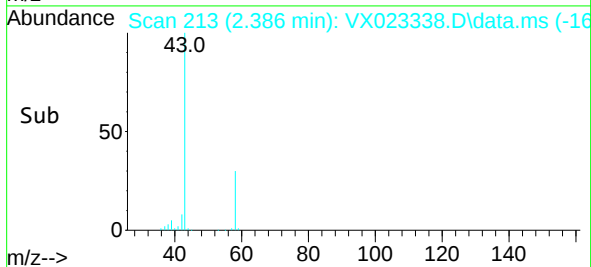
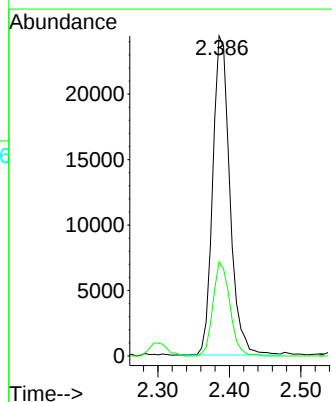
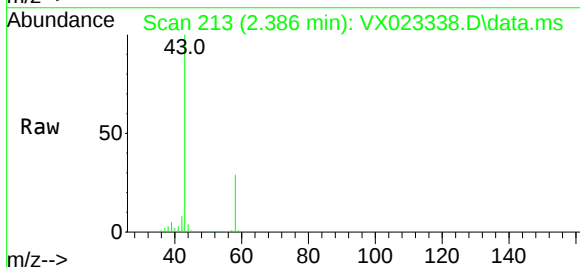
Tgt Ion: 59 Resp: 4170
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.8#

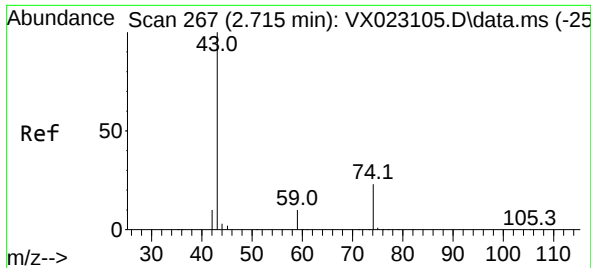


#16

Acetone
Concen: 35.691 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 43 Resp: 40635
Ion Ratio Lower Upper
43 100
58 29.5 27.8 41.8

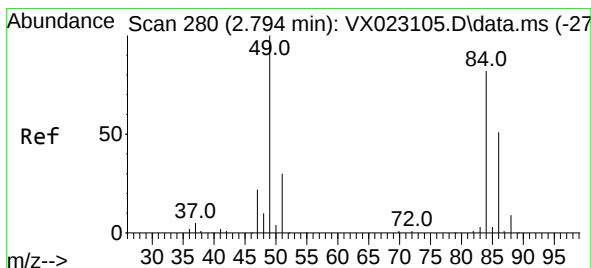
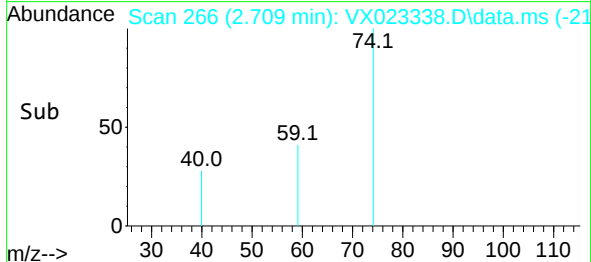
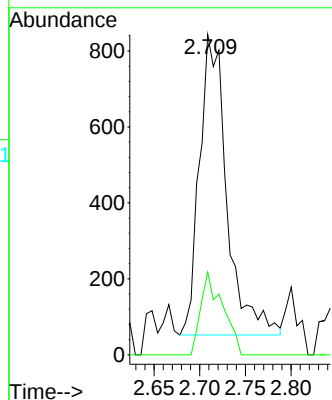
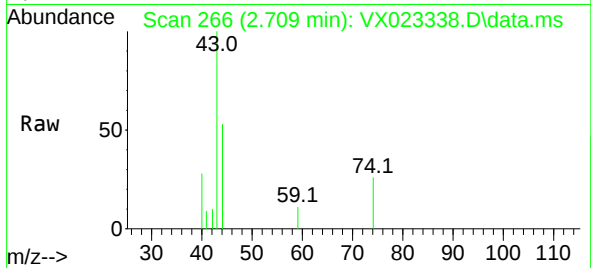




#18
Methyl Acetate
Concen: 0.596 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

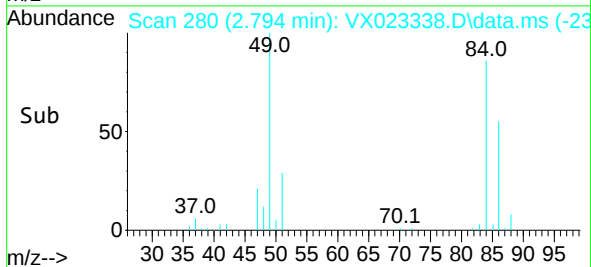
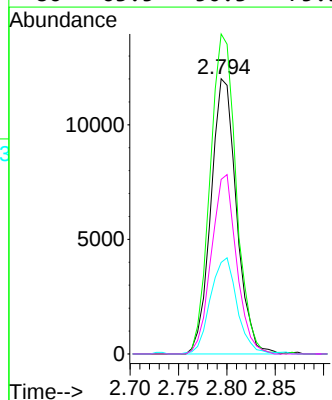
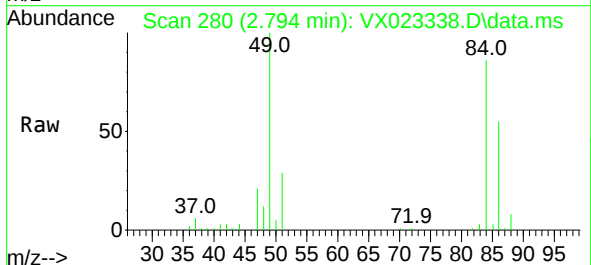
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

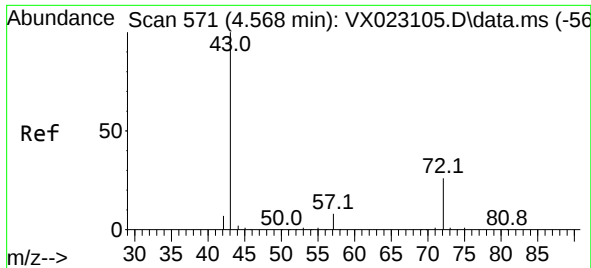
Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
74 22.1 21.9 32.9



#20
Methylene Chloride
Concen: 9.030 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 84 Resp: 22134
Ion Ratio Lower Upper
84 100
49 116.3 88.6 132.8
51 33.2 27.0 40.6
86 63.5 50.3 75.5

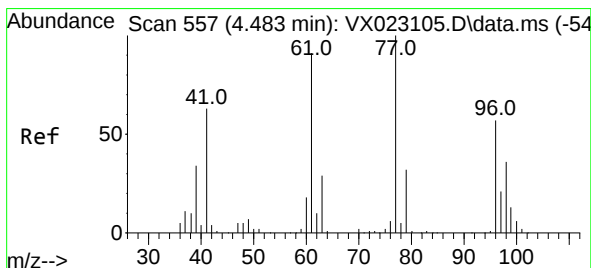
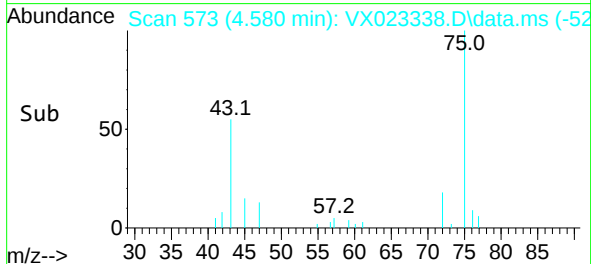
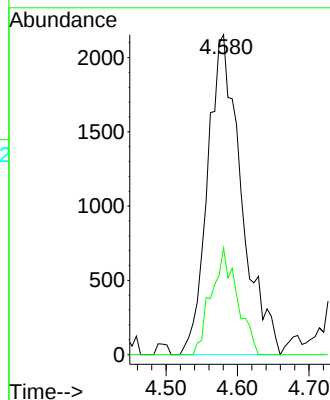
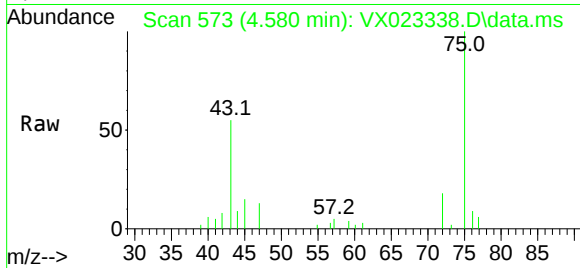




#25
2-Butanone
Concen: 4.101 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

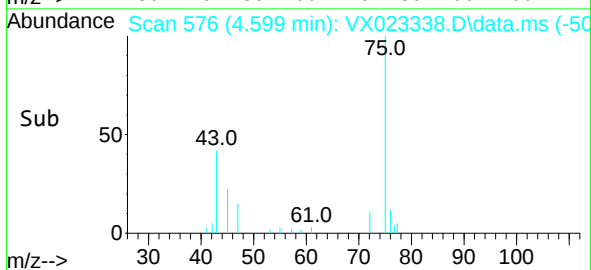
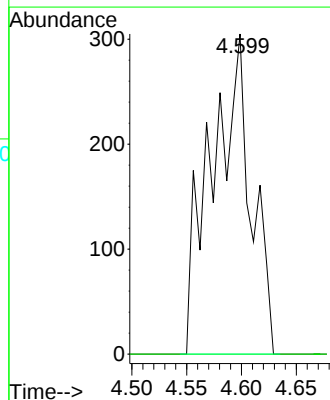
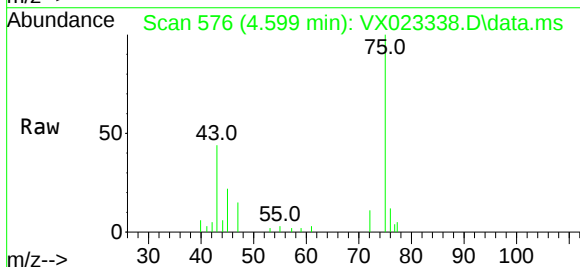
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

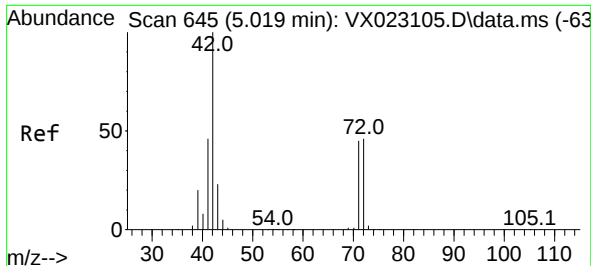
Tgt Ion: 43 Resp: 7041
Ion Ratio Lower Upper
43 100
72 33.3 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.231 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.116 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 77 Resp: 765
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 2.397 ug/l

RT: 5.032 min Scan# 647

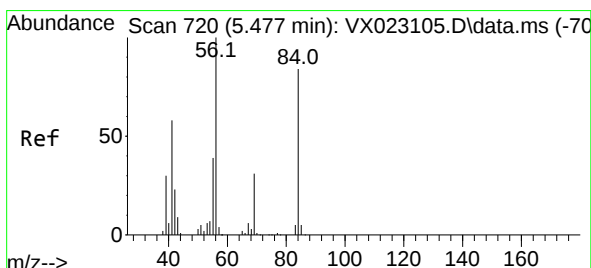
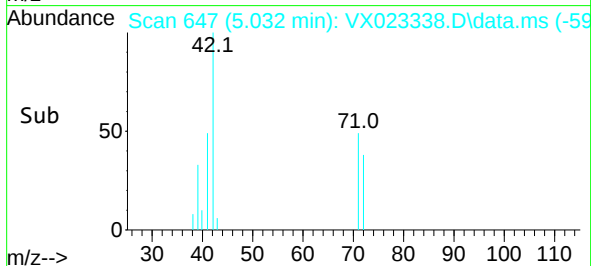
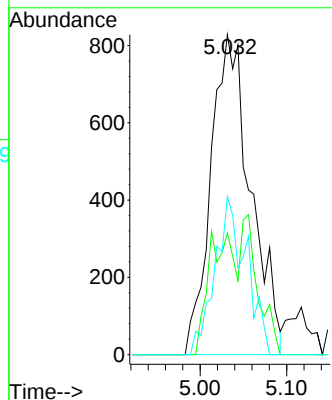
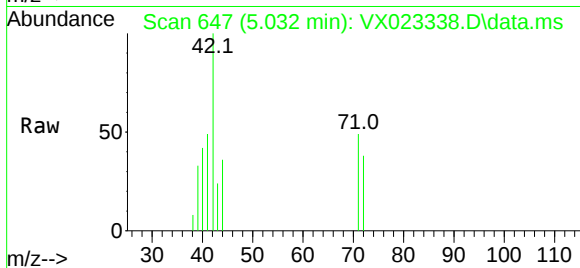
Delta R.T. 0.013 min

Lab File: VX023338.D

Acq: 19 Jul 2021 13:46

Tgt Ion:	42	Resp:	2645
Ion	Ratio	Lower	Upper
42	100		
72	25.4	41.7	62.5#
71	38.8	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02



#31

Cyclohexane

Concen: 1.289 ug/l

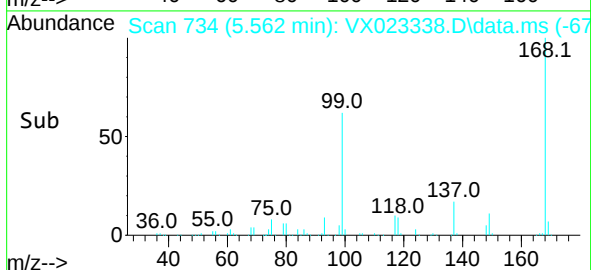
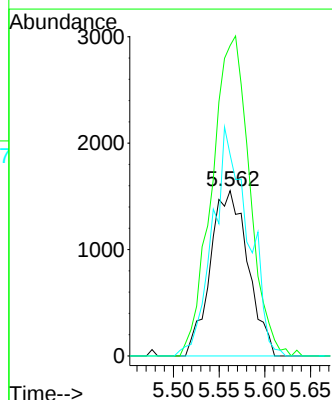
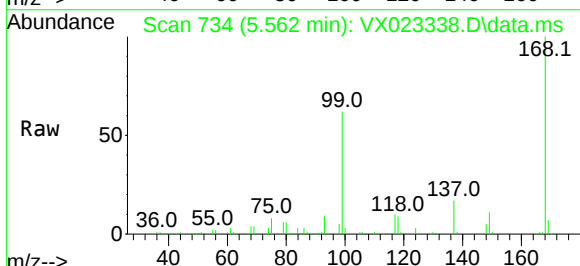
RT: 5.562 min Scan# 734

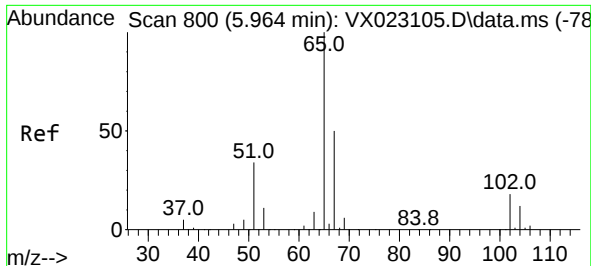
Delta R.T. 0.085 min

Lab File: VX023338.D

Acq: 19 Jul 2021 13:46

Tgt Ion:	56	Resp:	4443
Ion	Ratio	Lower	Upper
56	100		
69	187.8	25.3	37.9#
84	118.5	71.4	107.0#

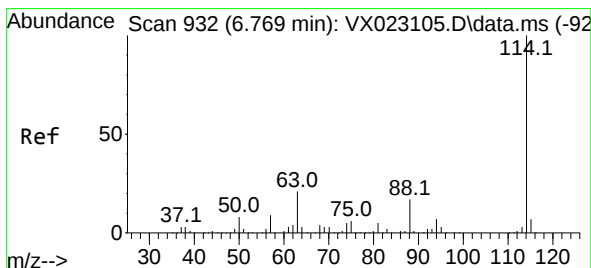
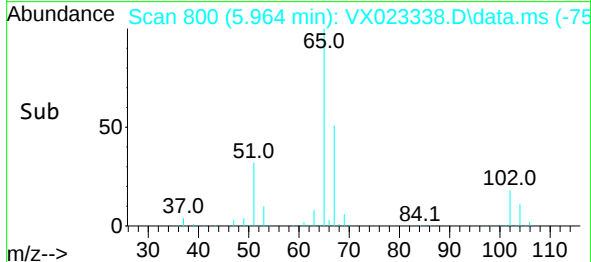
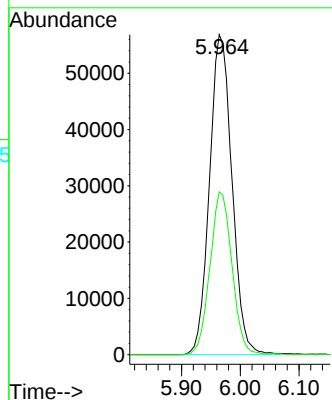
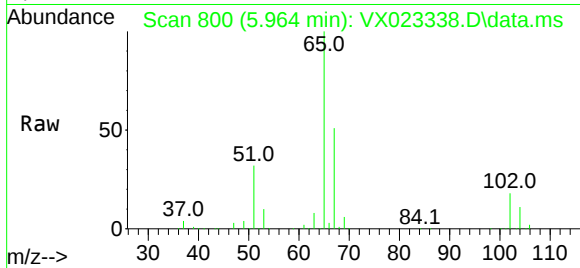




#33
 1,2-Dichloroethane-d4
 Concen: 52.510 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023338.D
 Acq: 19 Jul 2021 13:46

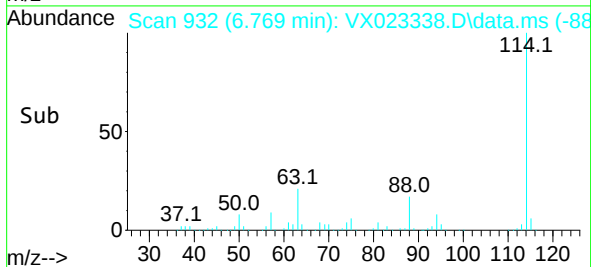
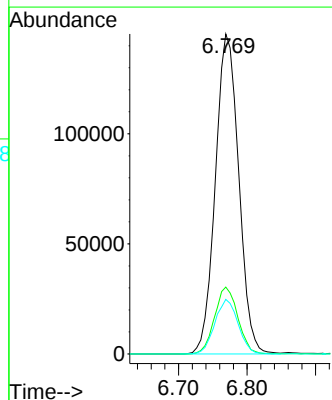
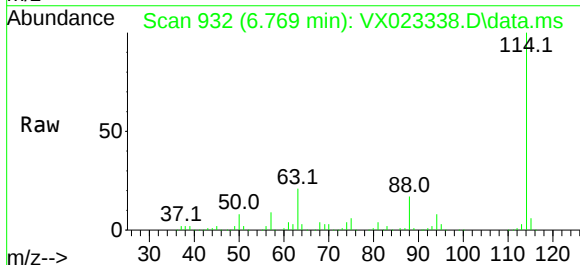
Instrument :
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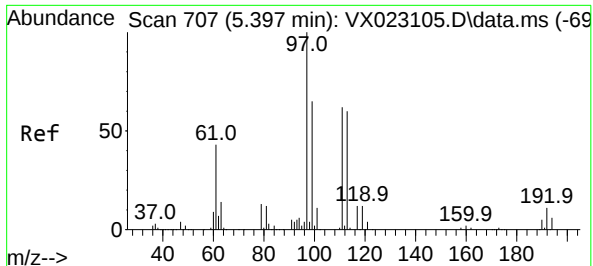
Tgt Ion: 65 Resp: 151111
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023338.D
 Acq: 19 Jul 2021 13:46

Tgt Ion: 114 Resp: 343832
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 17.1 0.0 32.8

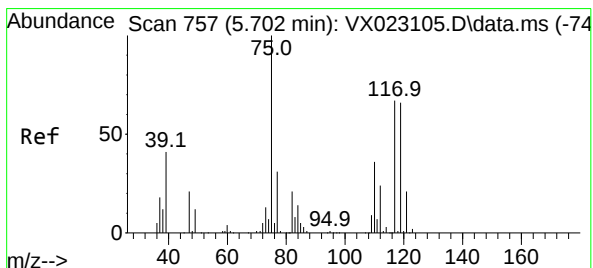
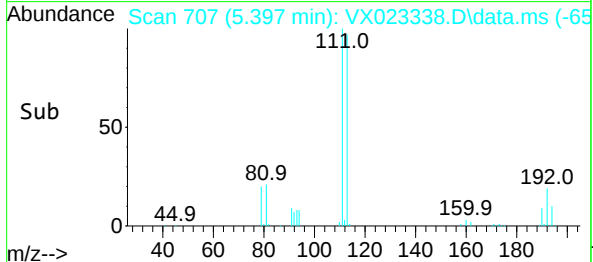
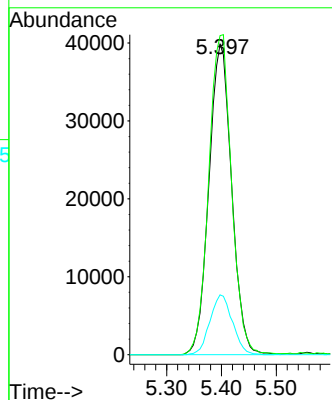
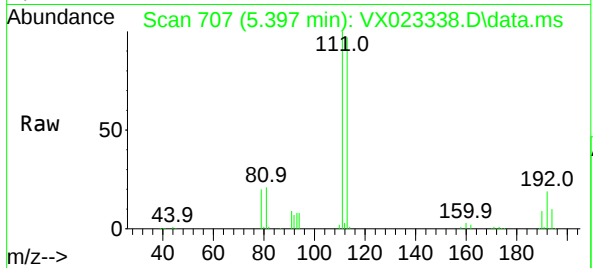




#35
Dibromofluoromethane
Concen: 51.655 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

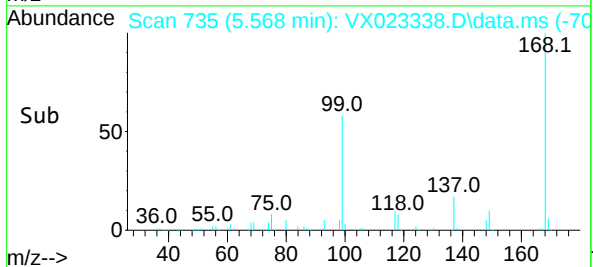
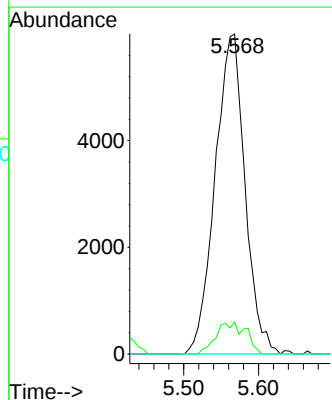
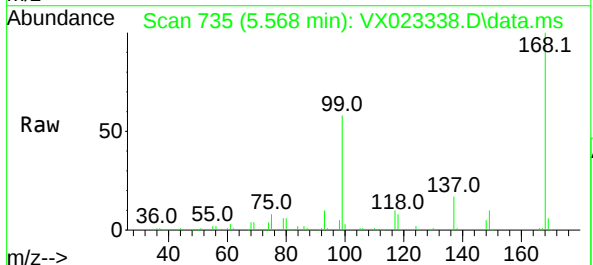
Instrument :
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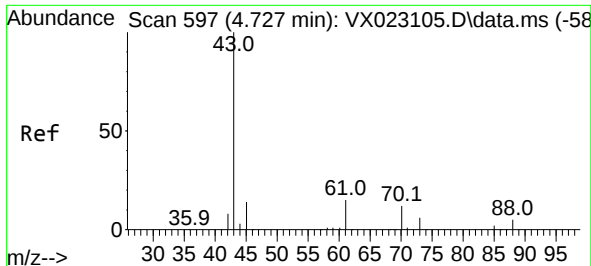
Tgt Ion:113 Resp: 114691
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.439 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 75 Resp: 16673
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.106 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.147 min

Lab File: VX023338.D

Acq: 19 Jul 2021 13:46

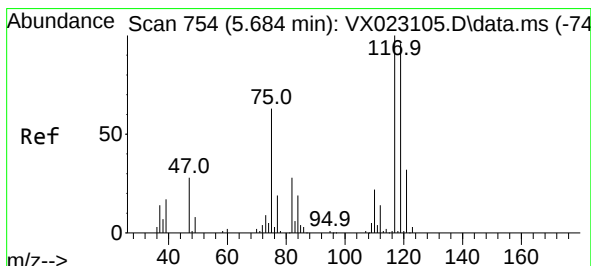
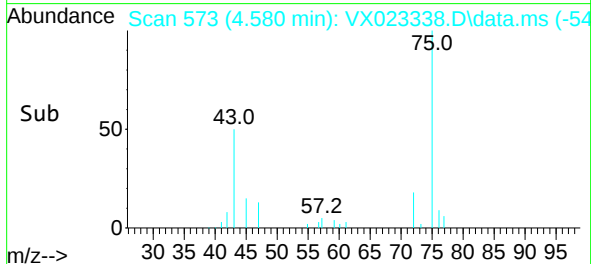
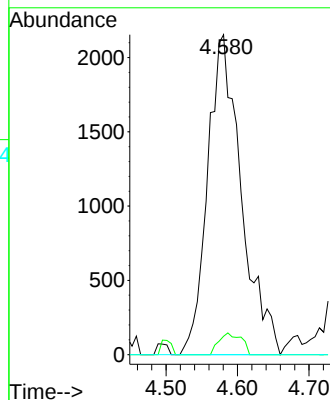
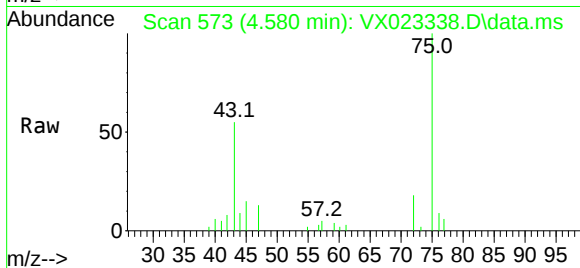
Instrument :

MSVOA_X

ClientSampleId :

PB137749ZHE#02

Tgt Ion: 43	Resp: 7041
Ion Ratio	Lower Upper
43 100	
61 4.5	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.977 ug/l

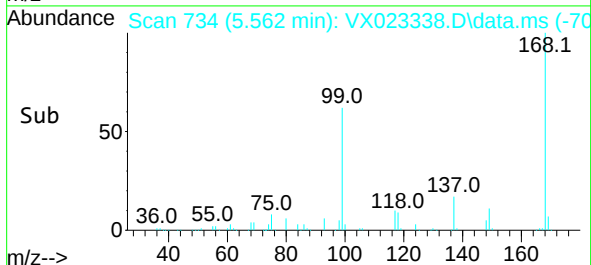
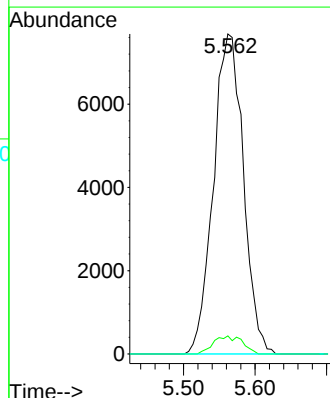
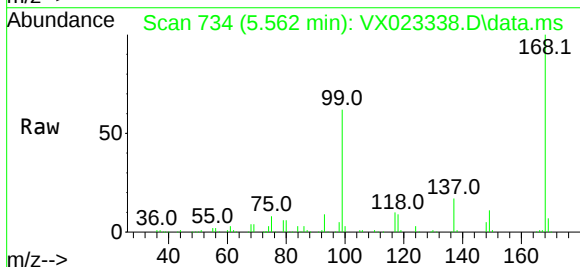
RT: 5.562 min Scan# 734

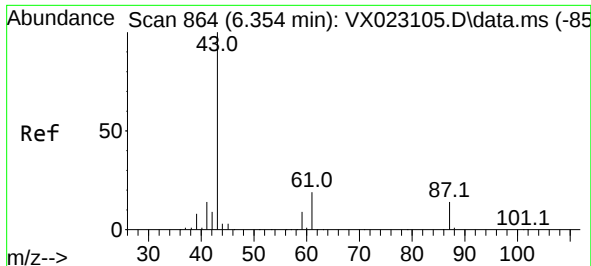
Delta R.T. -0.122 min

Lab File: VX023338.D

Acq: 19 Jul 2021 13:46

Tgt Ion: 117	Resp: 22322
Ion Ratio	Lower Upper
117 100	
119 5.7	76.2 114.2#
121 0.0	24.8 37.2#

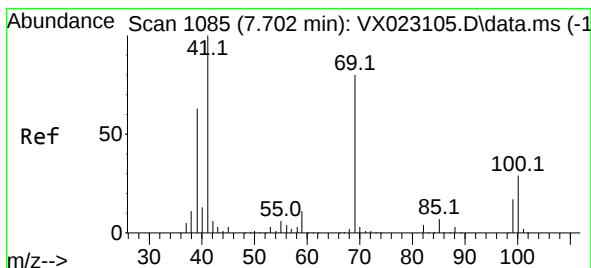
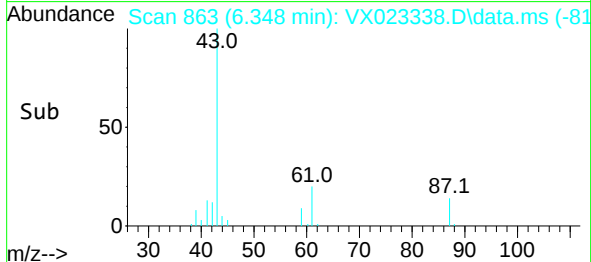
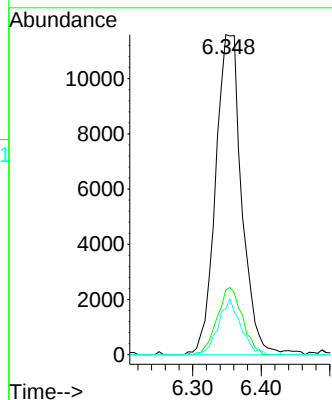
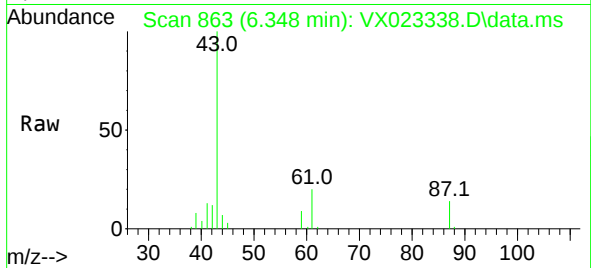




#43
Isopropyl Acetate
Concen: 5.497 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

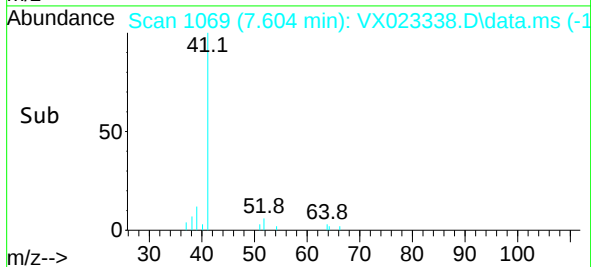
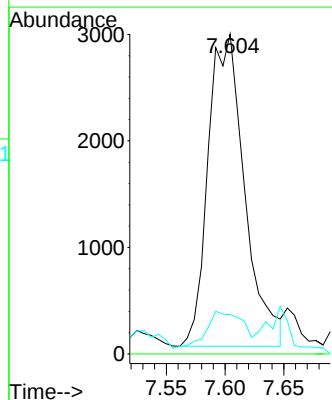
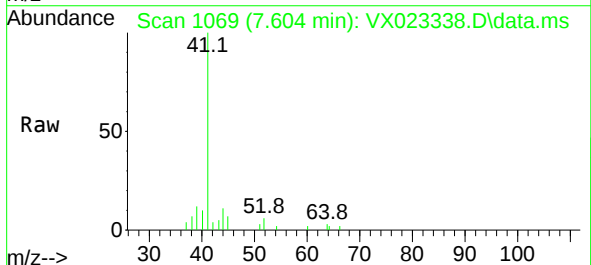
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

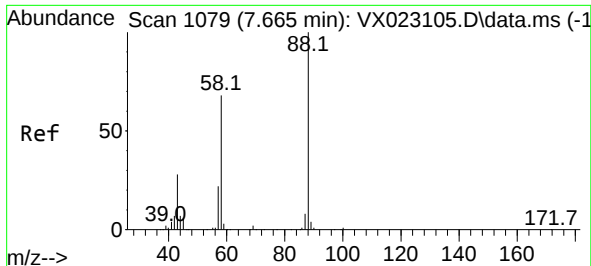
Tgt Ion: 43 Resp: 30572
Ion Ratio Lower Upper
43 100
61 20.3 18.2 27.4
87 14.9 12.5 18.7



#48
Methyl methacrylate
Concen: 2.315 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 41 Resp: 6319
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

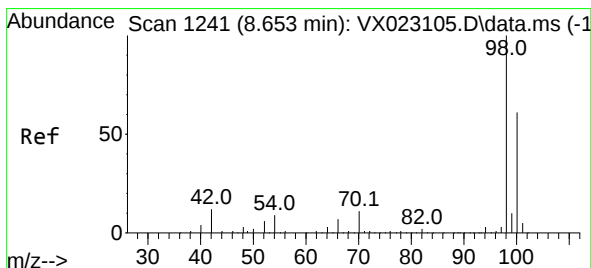
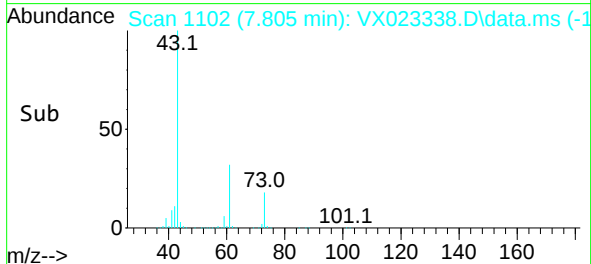
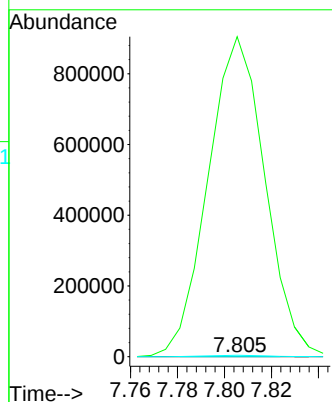
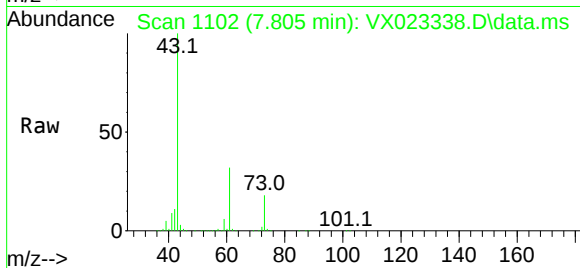




#49
1,4-Dioxane
Concen: 2.947 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

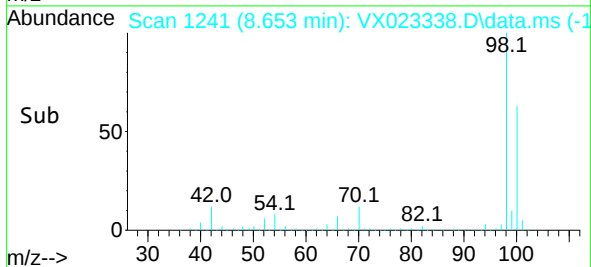
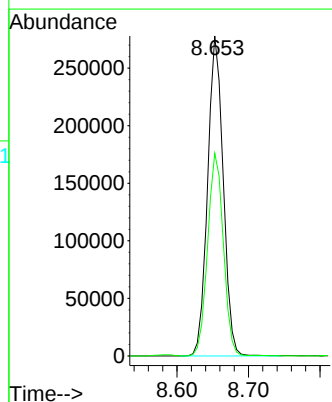
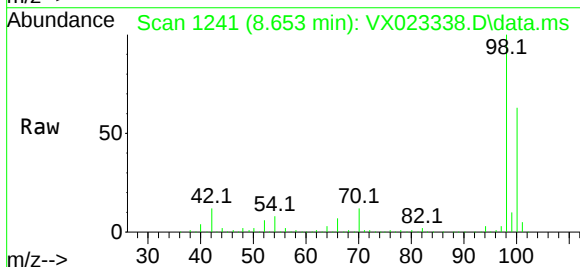
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

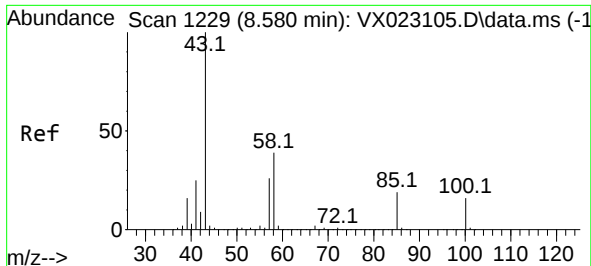
Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 848003.3 23.2 34.8#
58 3726.5 55.0 82.4#



#50
Toluene-d8
Concen: 50.833 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 98 Resp: 421019
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

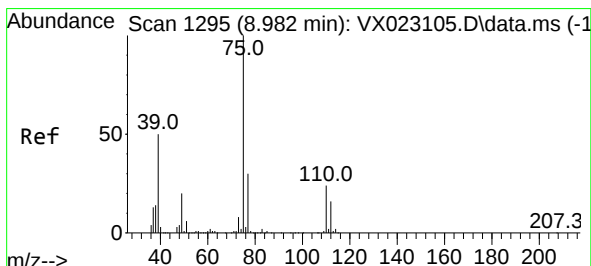
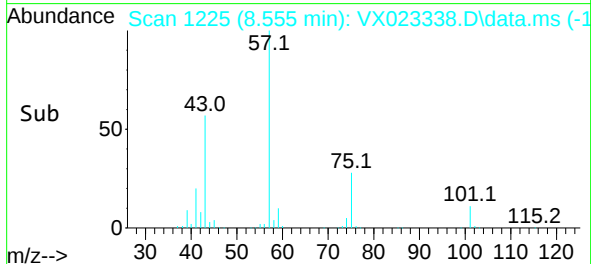
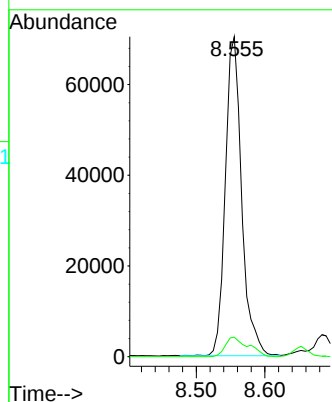
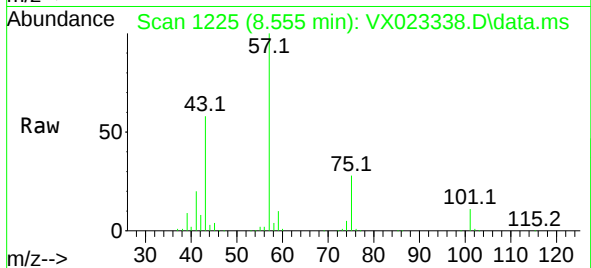




#51
4-Methyl-2-Pentanone
Concen: 33.756 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

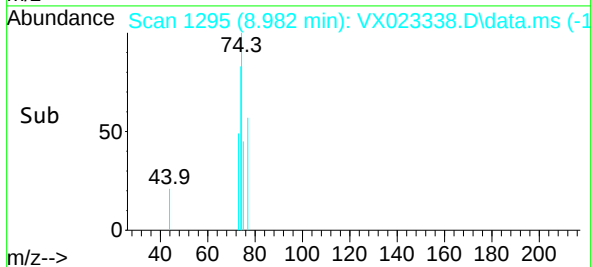
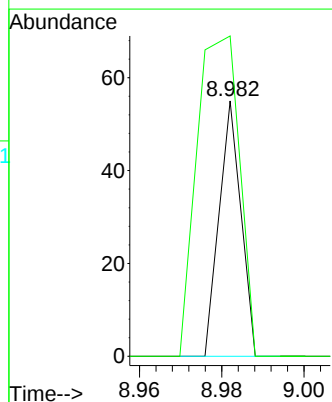
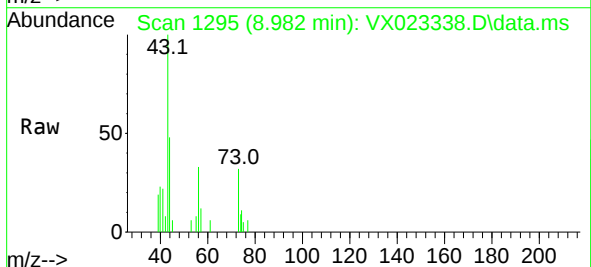
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

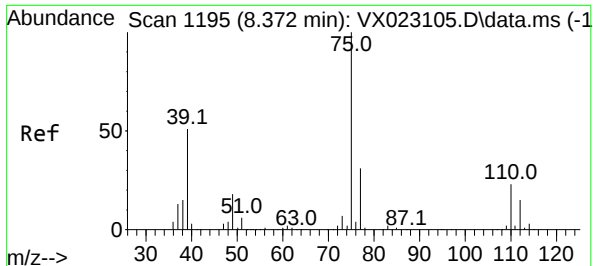
Tgt Ion: 43 Resp: 116337
Ion Ratio Lower Upper
43 100
58 8.7 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.741 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 125.5 24.9 37.3#

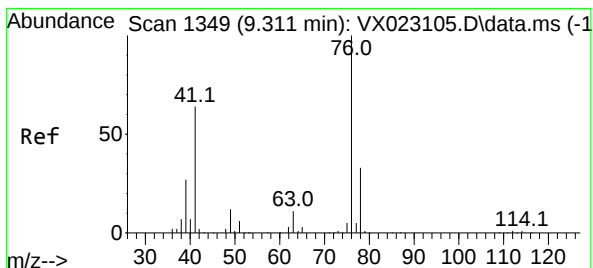
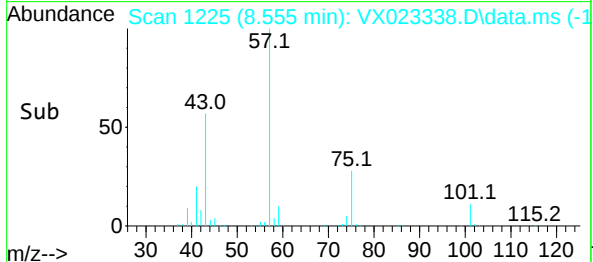
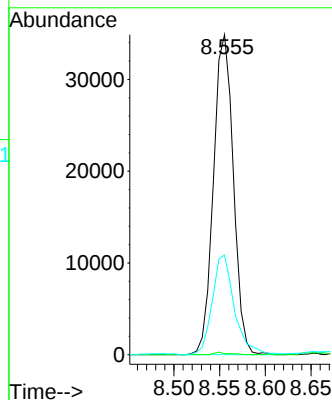
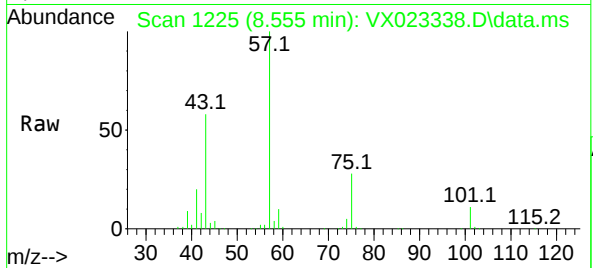




#54
cis-1,3-Dichloropropene
Concen: 14.849 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

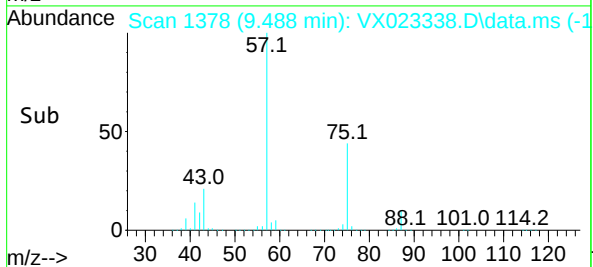
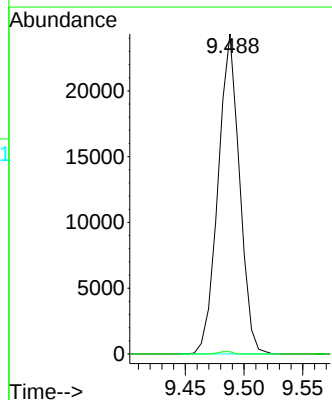
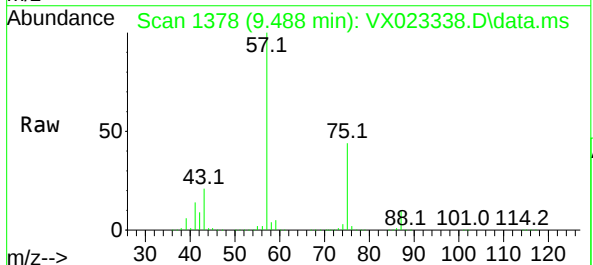
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

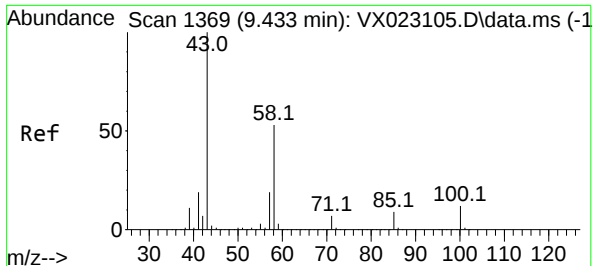
Tgt Ion: 75 Resp: 52837
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 31.1 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 7.725 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 76 Resp: 30882
Ion Ratio Lower Upper
76 100
78 0.5 26.2 39.2#

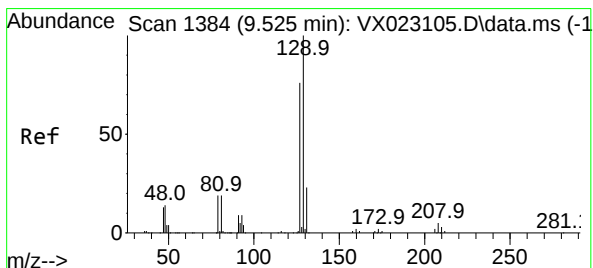
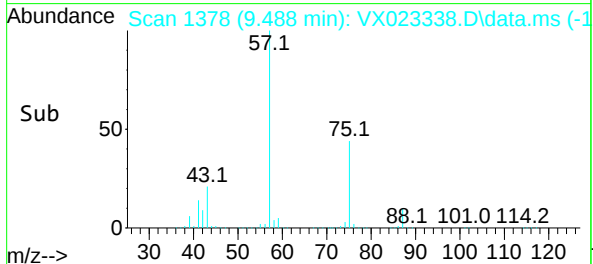
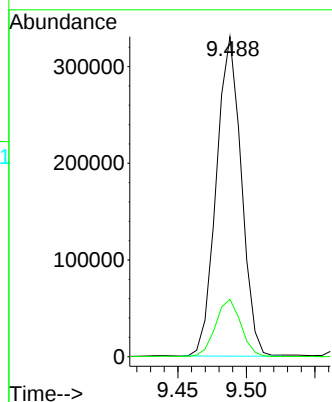
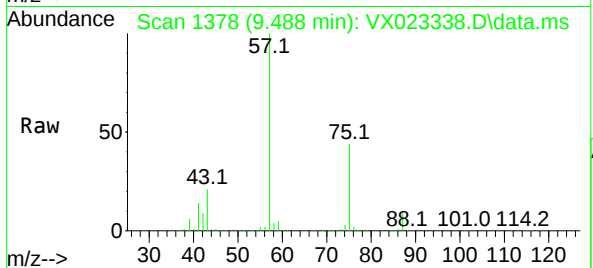




#59
2-Hexanone
Concen: 158.544 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

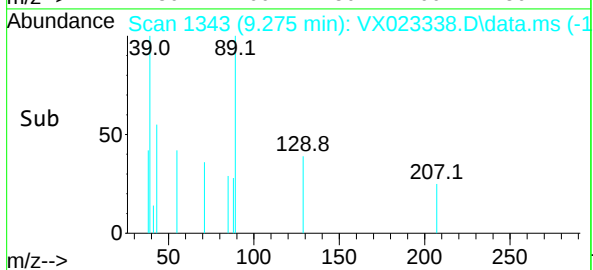
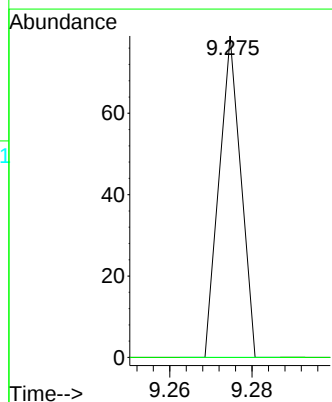
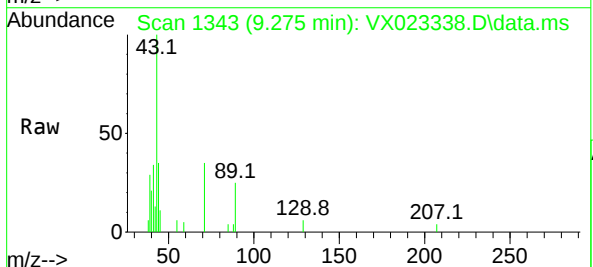
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

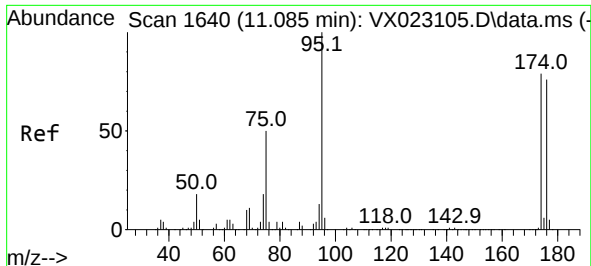
Tgt Ion: 43 Resp: 419247
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#60
Dibromochloromethane
Concen: 3.123 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 129 Resp: 29
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

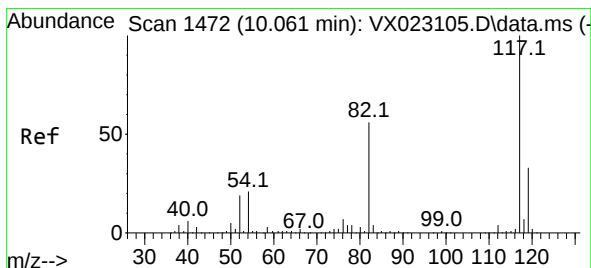
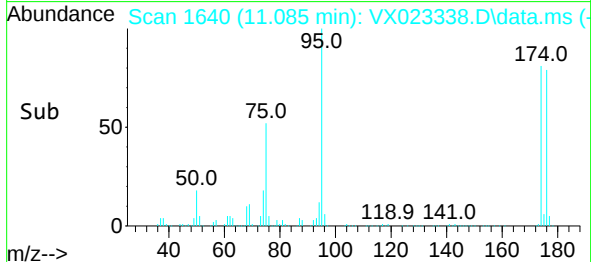
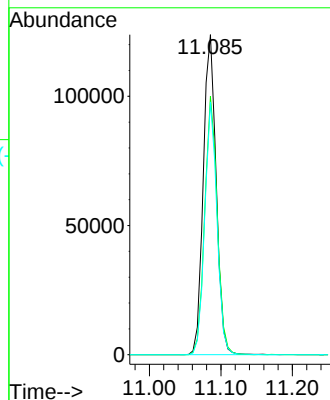
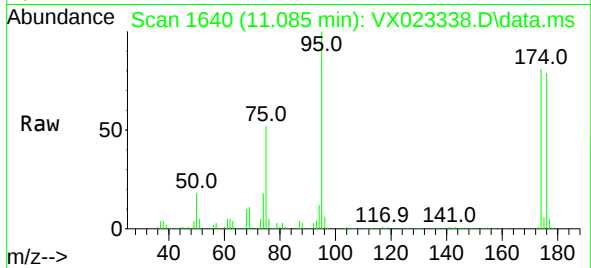




#62
4-Bromofluorobenzene
Concen: 48.396 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

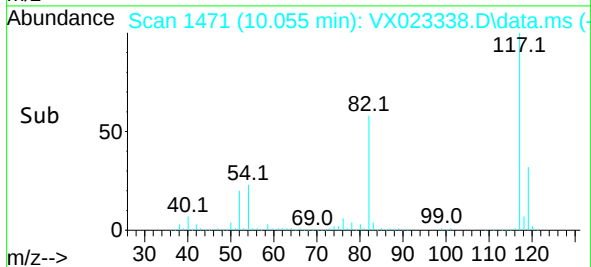
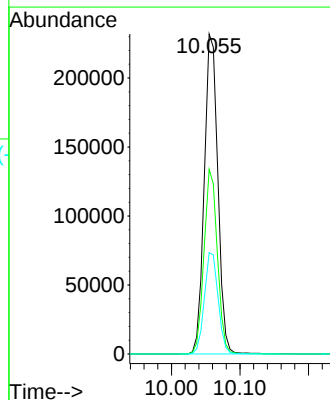
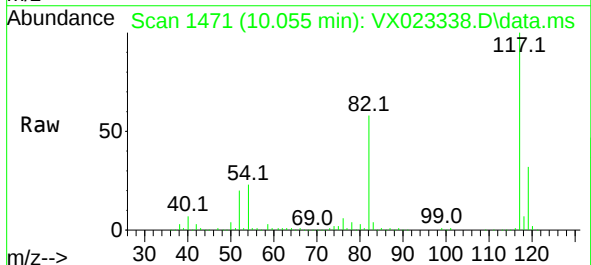
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

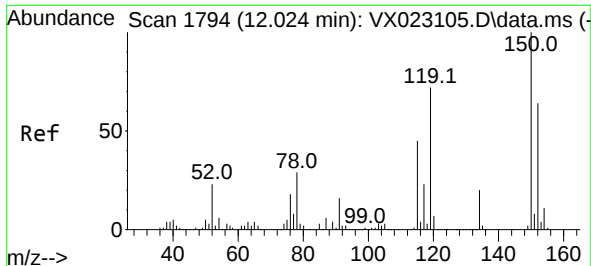
Tgt Ion: 95 Resp: 154744
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 74.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 117 Resp: 320202
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.7 26.6 39.8

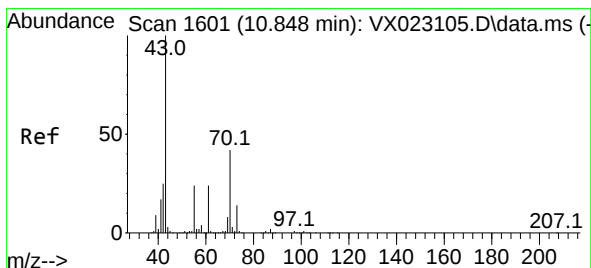
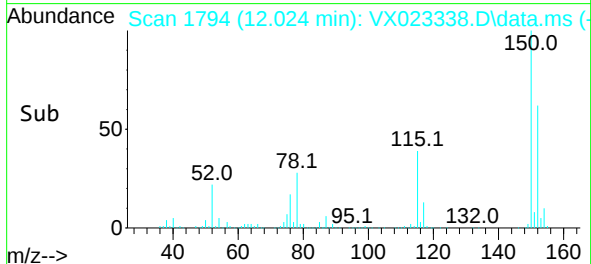
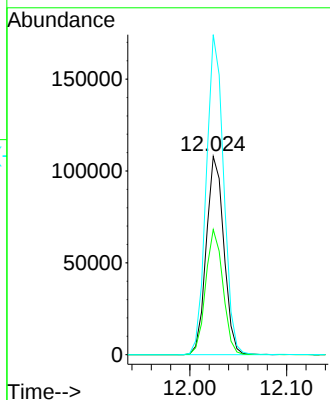
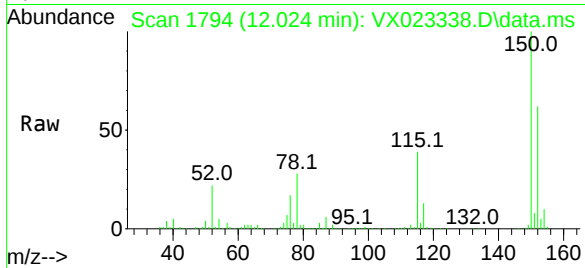




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

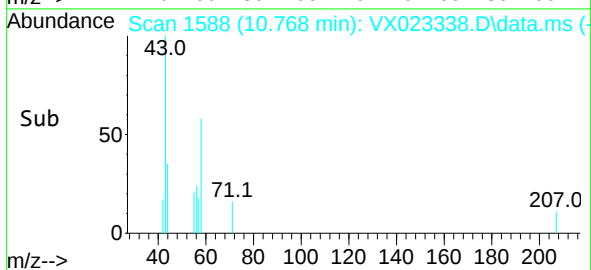
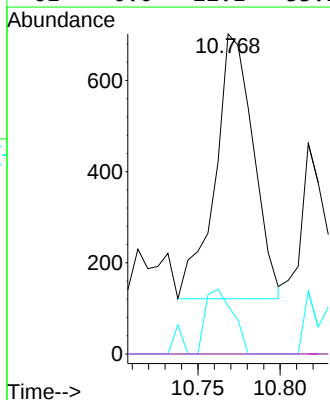
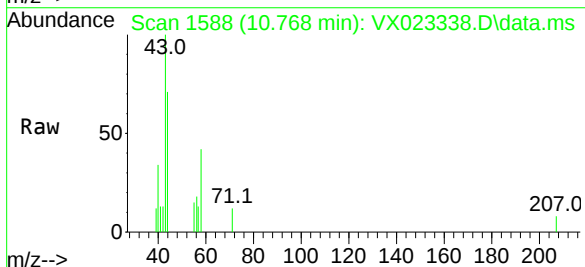
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

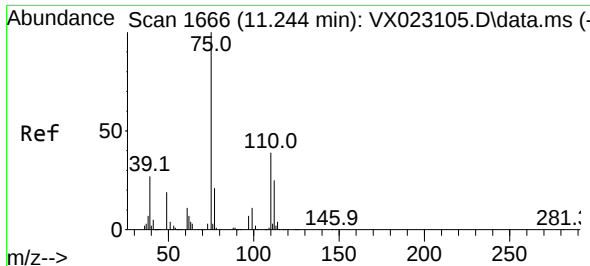
Tgt Ion:152 Resp: 136408
Ion Ratio Lower Upper
152 100
115 62.2 41.1 123.3
150 159.5 0.0 349.0



#74
N-ethyl acetate
Concen: 0.231 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 17.5 21.5 32.3#
61 0.0 22.1 33.1#

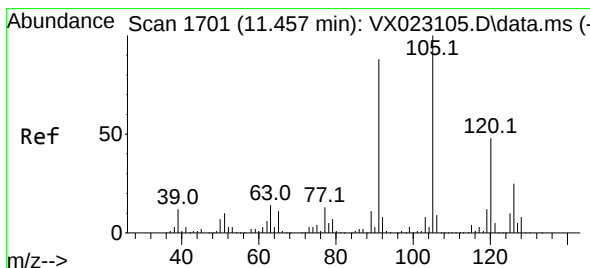
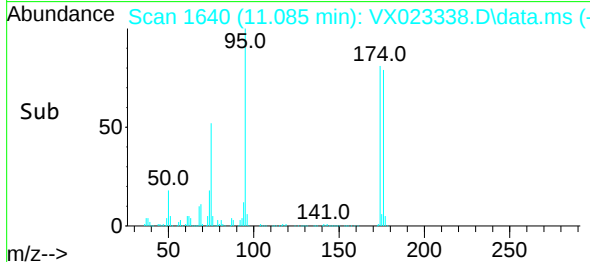
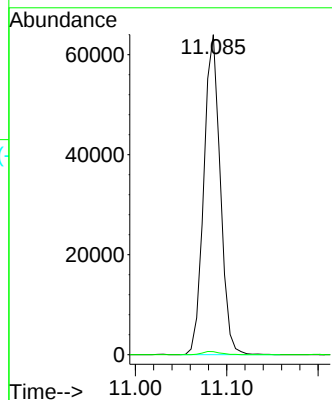
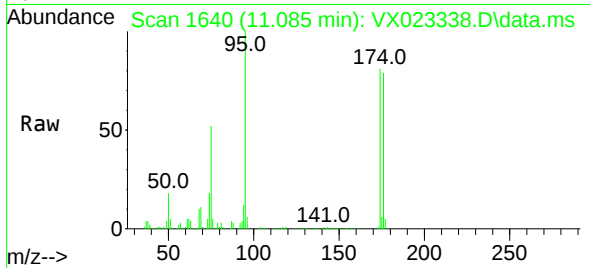




#76
1,2,3-Trichloropropane
Concen: 29.046 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

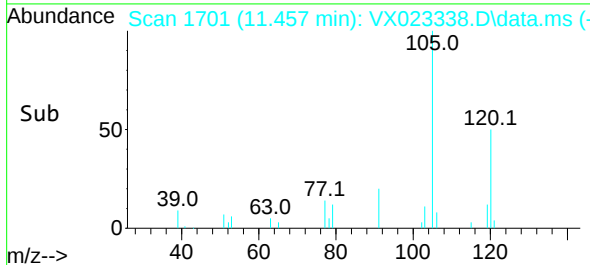
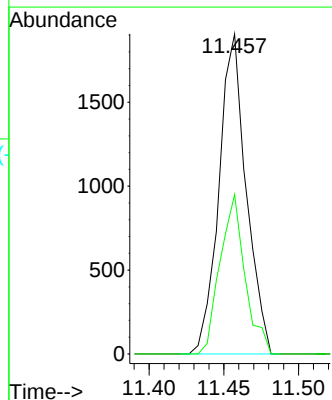
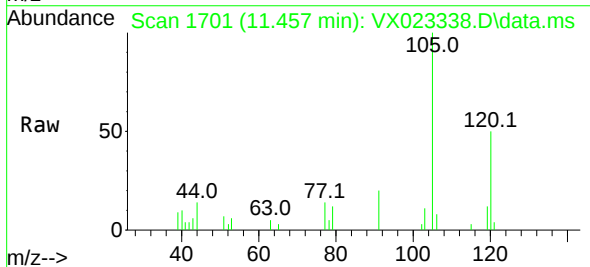
Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

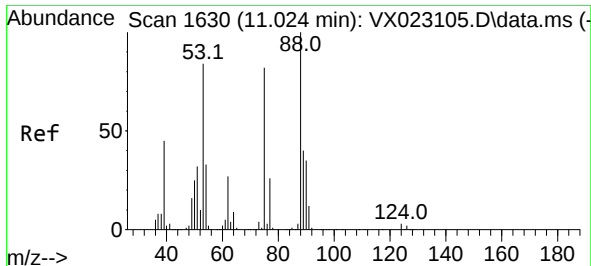
Tgt Ion: 75 Resp: 79730
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.292 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 105 Resp: 2415
Ion Ratio Lower Upper
105 100
120 45.5 23.8 71.5

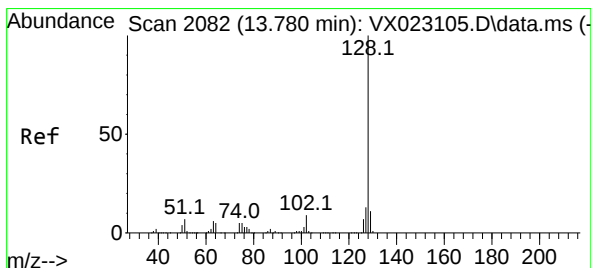
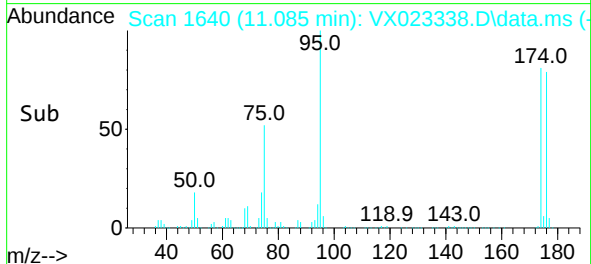
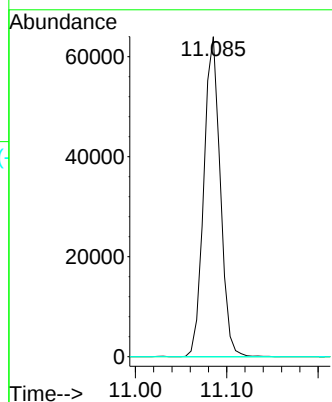
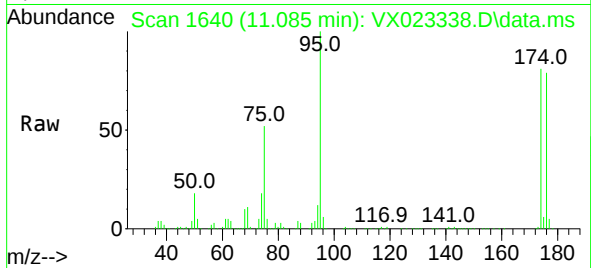




#81
trans-1,4-Dichloro-2-butene
Concen: 78.140 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Instrument :
MSVOA_X
ClientSampleId :
PB137749ZHE#02

Tgt Ion: 75 Resp: 79730
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.310 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023338.D
Acq: 19 Jul 2021 13:46

Tgt Ion: 128 Resp: 364
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

