

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031440.D
 Acq On : 17 Sep 2022 03:19
 Operator : JC/MD
 Sample : PB147603ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#09

Quant Time: Sep 17 04:30:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

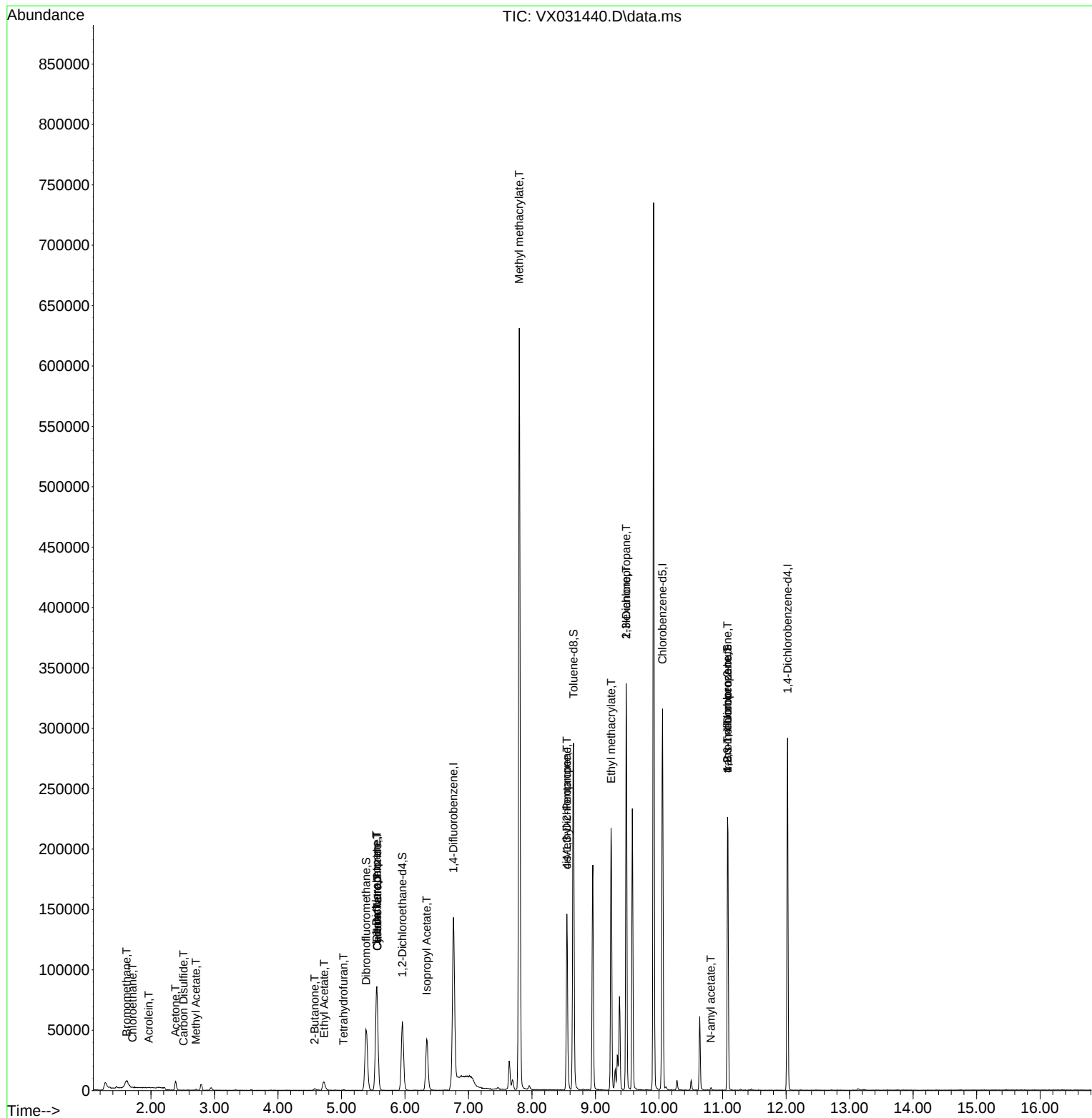
Internal Standards						
1) Pentafluorobenzene	5.556	168	80746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50170	25.314	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	50.620%#		
35) Dibromofluoromethane	5.385	113	42155	28.708	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	57.420%#		
50) Toluene-d8	8.653	98	166115	30.158	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	60.320%#		
62) 4-Bromofluorobenzene	11.079	95	51750	25.656	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	51.320%#		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	298	Below Cal	#	41
5) Bromomethane	1.617	94	486	0.459	ug/l	83
6) Chloroethane	1.709	64	288	0.279	ug/l #	53
11) Tert butyl alcohol	2.940	59	1335	Below Cal	#	73
13) Acrolein	1.965	56	77	0.337	ug/l #	60
16) Acetone	2.386	43	8444	9.980	ug/l	94
17) Carbon Disulfide	2.514	76	48	0.897	ug/l #	75
18) Methyl Acetate	2.709	43	1262	0.503	ug/l	97
20) Methylene Chloride	2.794	84	2267	Below Cal		91
21) trans-1,2-Dichloroethene	2.928	96	22	Below Cal	#	1
25) 2-Butanone	4.574	43	697	0.499	ug/l	92
29) Tetrahydrofuran	5.031	42	552	0.639	ug/l #	46
31) Cyclohexane	5.562	56	2148	1.009	ug/l #	62
36) 1,1-Dichloropropene	5.550	75	6614	3.291	ug/l #	50
37) Ethyl Acetate	4.727	43	12434	4.708	ug/l #	91
38) Carbon Tetrachloride	5.562	117	7836	3.587	ug/l #	15
43) Isopropyl Acetate	6.342	43	57995	12.864	ug/l	97
48) Methyl methacrylate	7.799	41	54436	26.524	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	48134	17.565	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	21126	7.838	ug/l #	66
56) Ethyl methacrylate	9.244	69	537	0.206	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2738	0.989	ug/l #	43
59) 2-Hexanone	9.482	43	38028	18.182	ug/l #	52
74) N-amyl acetate	10.817	43	637	0.312	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	29675	21.183	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	29675	58.614	ug/l #	11

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

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QLast Update : Thu Sep 15 01:50:07 2022
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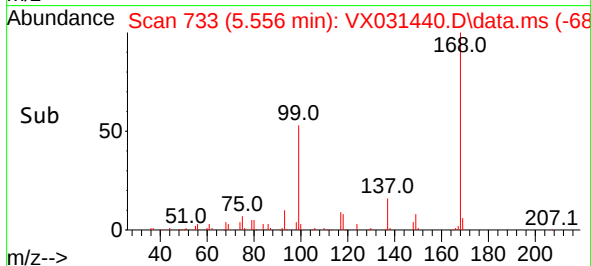
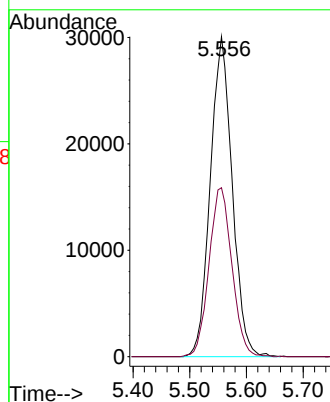
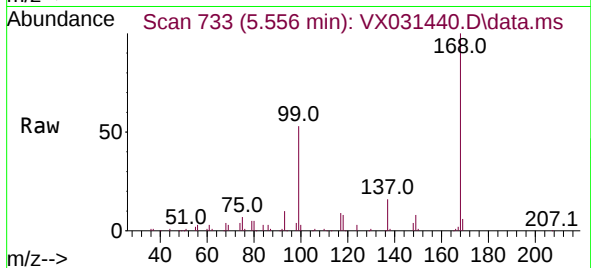




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

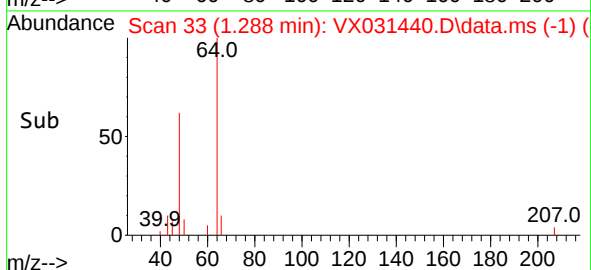
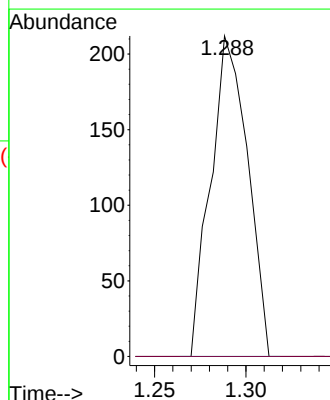
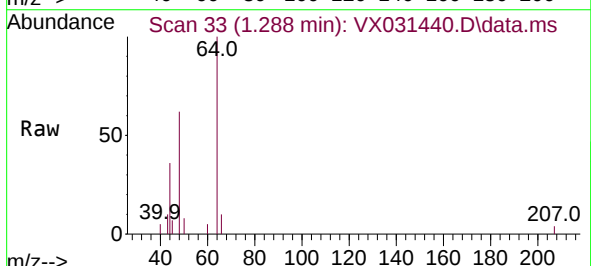
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

Tgt Ion:168 Resp: 80746
Ion Ratio Lower Upper
168 100
99 52.8 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 50 Resp: 298
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

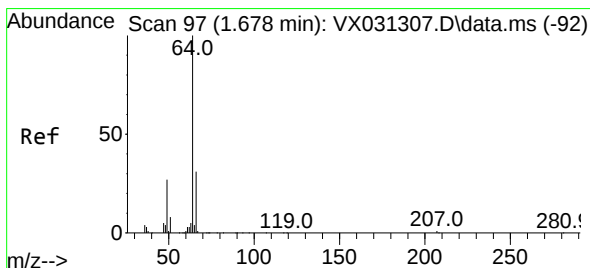
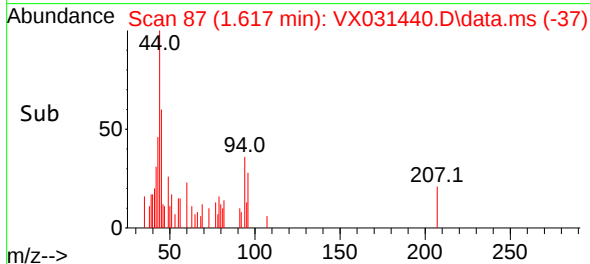
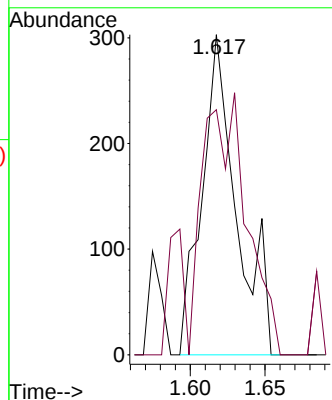
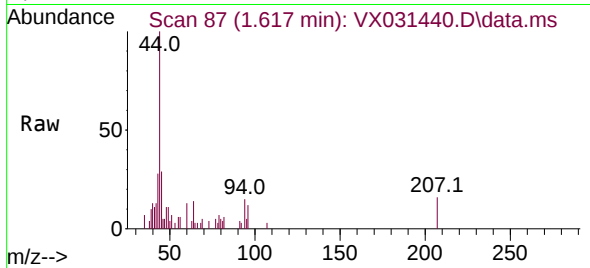




#5
Bromomethane
Concen: 0.459 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

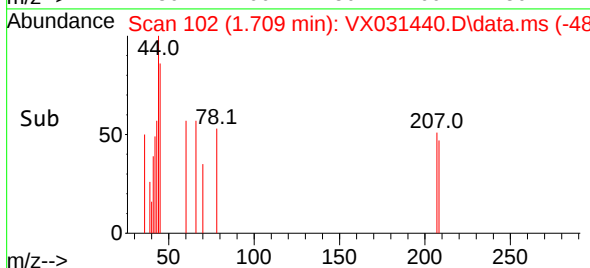
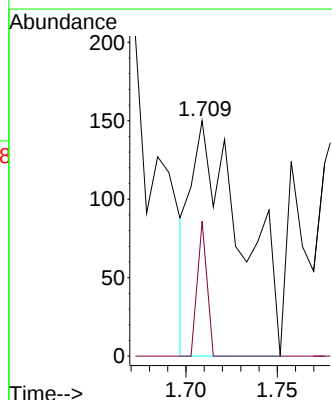
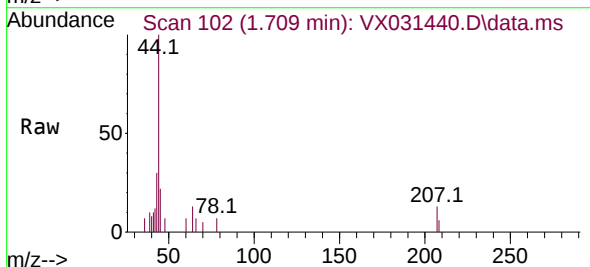
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 76.6 74.4 111.6



#6
Chloroethane
Concen: 0.279 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 57.3 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

Instrument :

MSVOA_X

ClientSampleId :

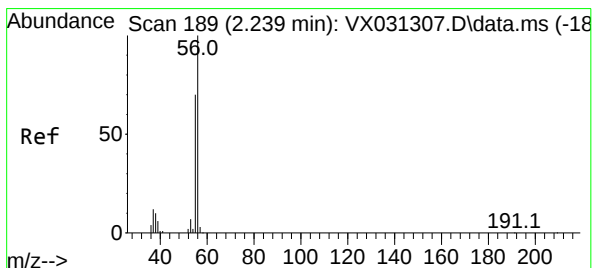
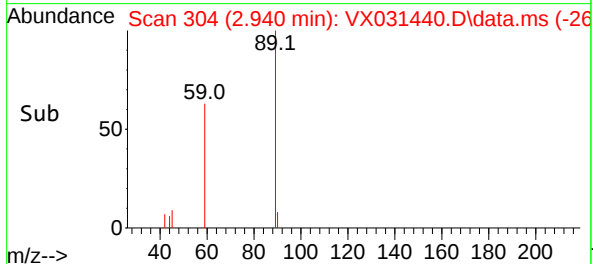
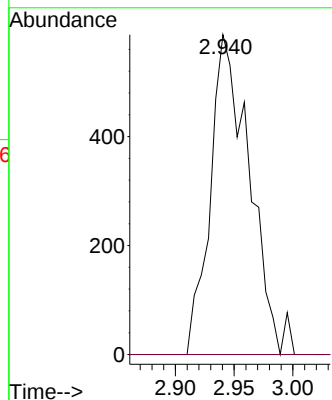
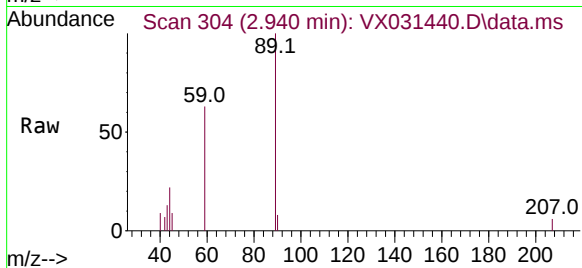
PB147603ZHE#09

Tgt Ion: 59 Resp: 1335

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.337 ug/l

RT: 1.965 min Scan# 144

Delta R.T. -0.274 min

Lab File: VX031440.D

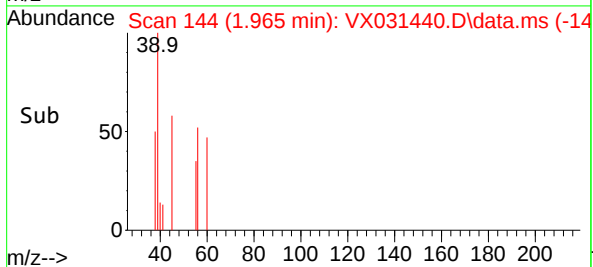
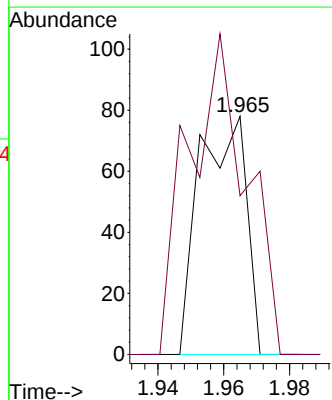
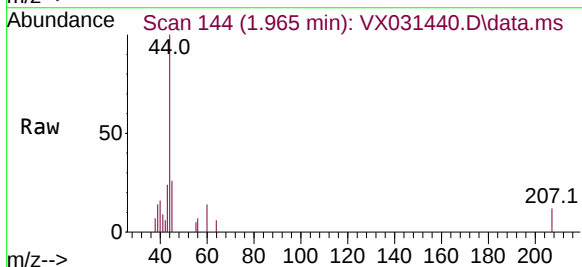
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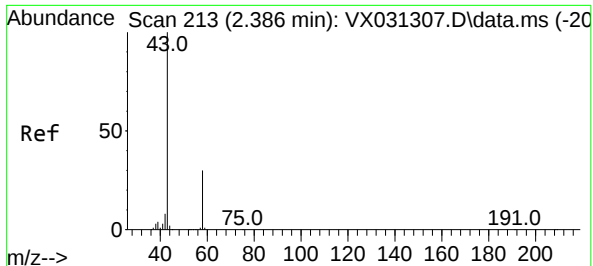
Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 102.6 56.0 84.0#

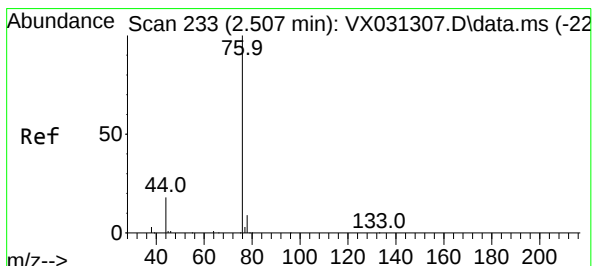
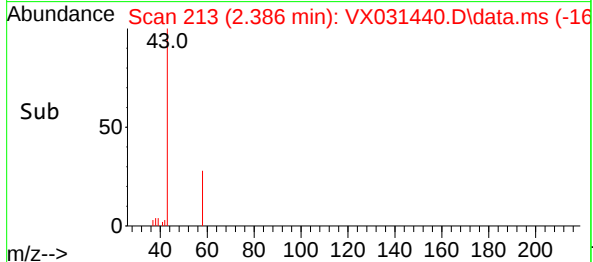
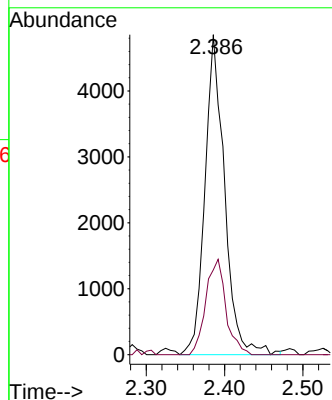
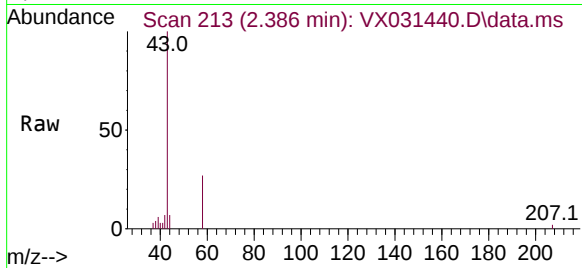




#16
Acetone
Concen: 9.980 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

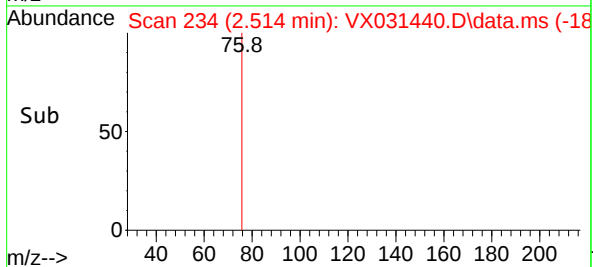
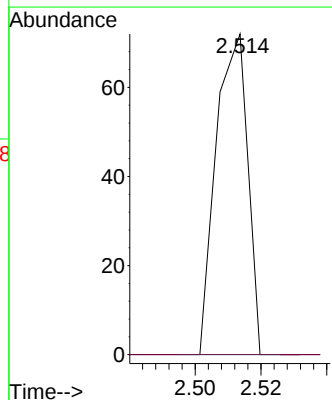
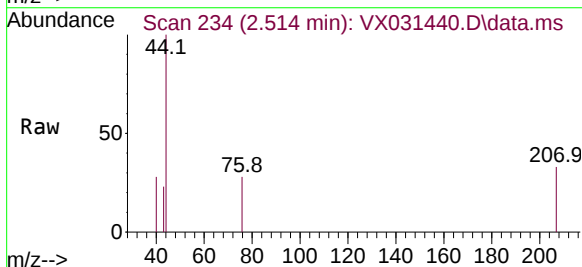
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

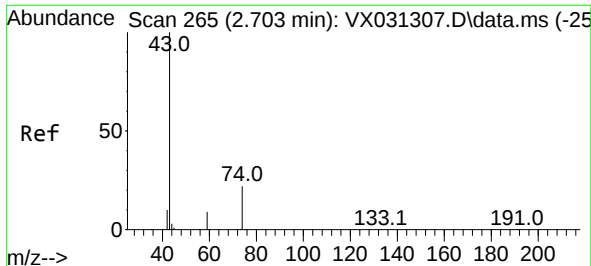
Tgt Ion: 43 Resp: 8444
Ion Ratio Lower Upper
43 100
58 26.5 23.8 35.8



#17
Carbon Disulfide
Concen: 0.897 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 76 Resp: 48
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

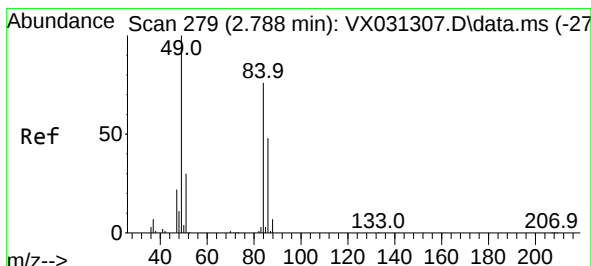
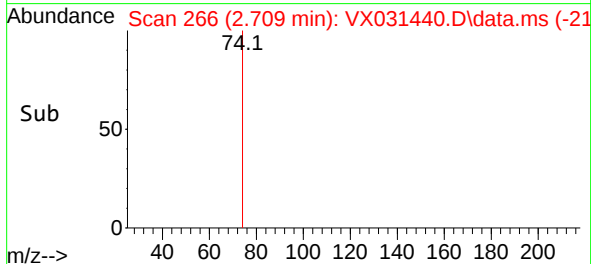
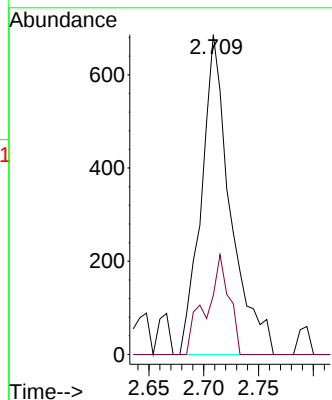
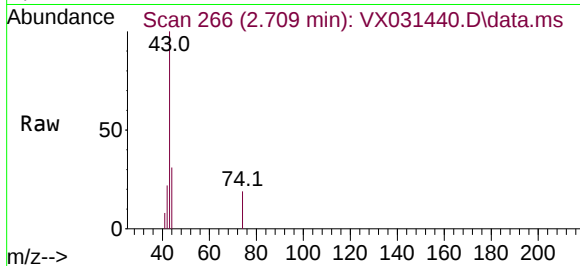




#18
Methyl Acetate
Concen: 0.503 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

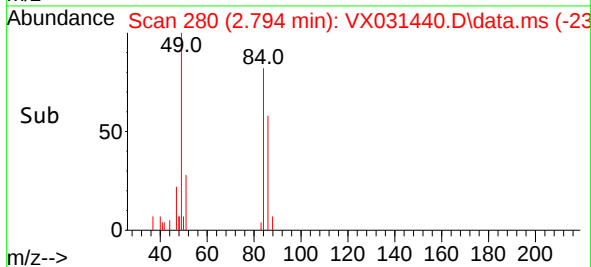
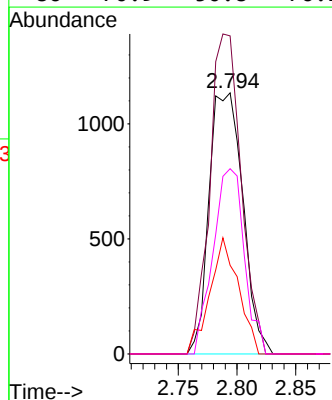
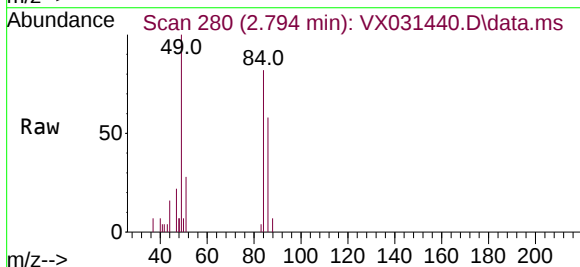
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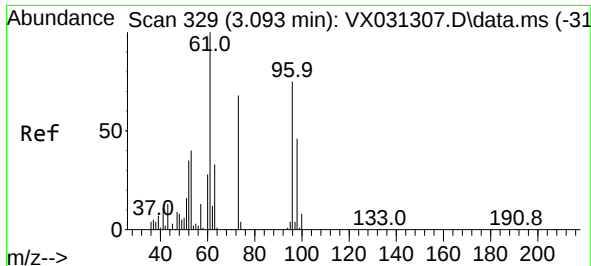
Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
74 24.7 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 84 Resp: 2267
Ion Ratio Lower Upper
84 100
49 121.9 105.9 158.9
51 33.9 32.2 48.2
86 70.9 50.8 76.2

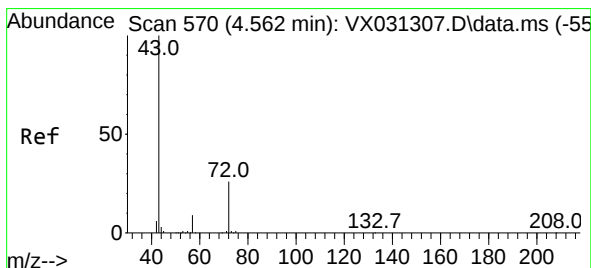
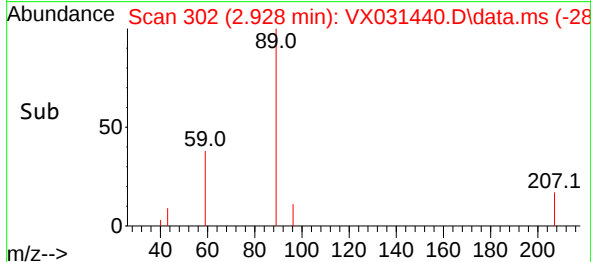
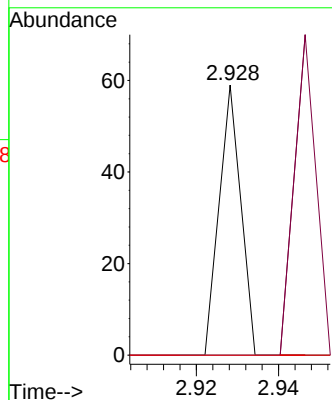
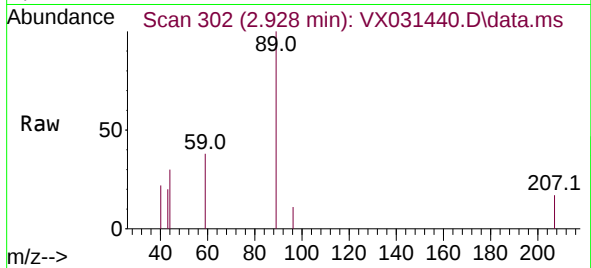




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.928 min Scan# 30
Delta R.T. -0.165 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

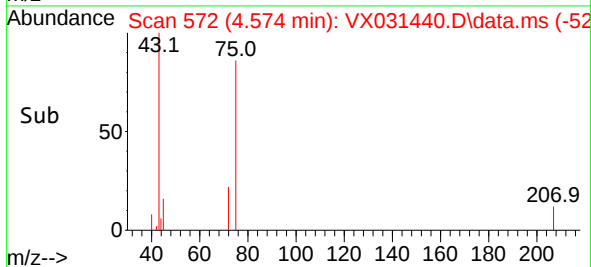
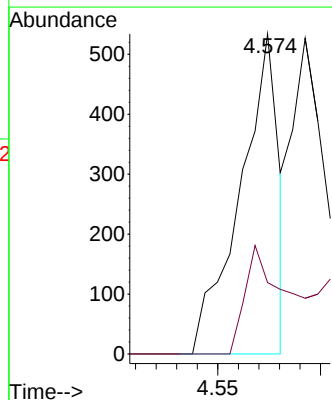
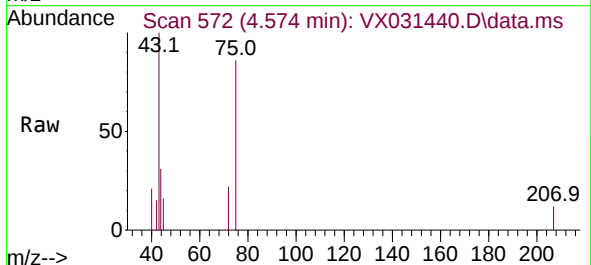
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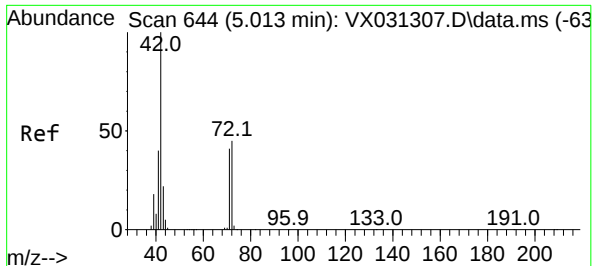
Tgt Ion: 96 Resp: 22
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 0.499 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
72 22.3 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.639 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

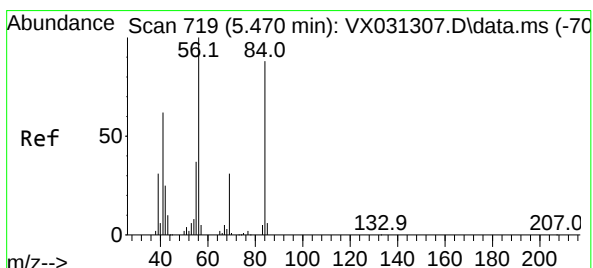
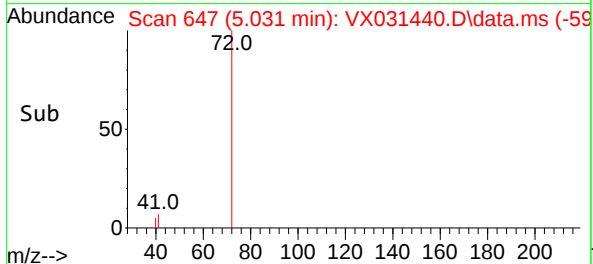
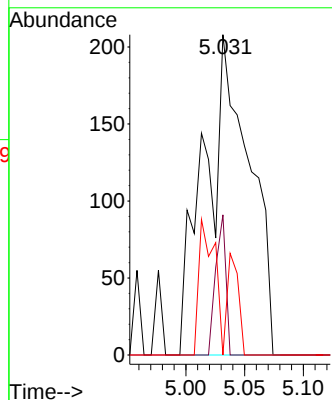
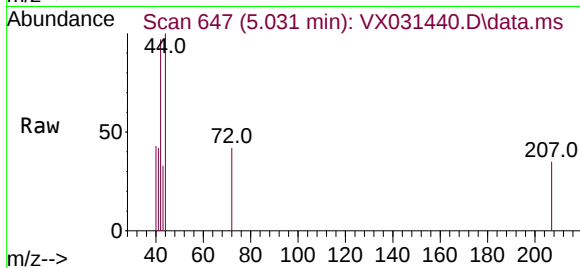
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#09

Tgt Ion:	42	Resp:	552
Ion	Ratio	Lower	Upper
42	100		
72	9.8	36.4	54.6#
71	8.0	33.5	50.3#



#31

Cyclohexane

Concen: 1.009 ug/l

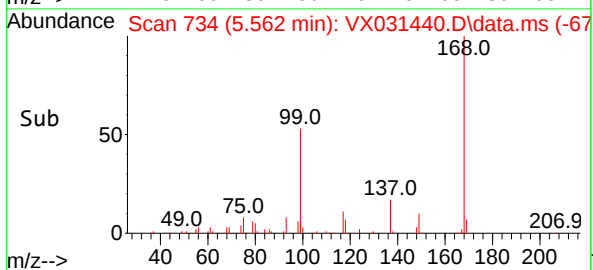
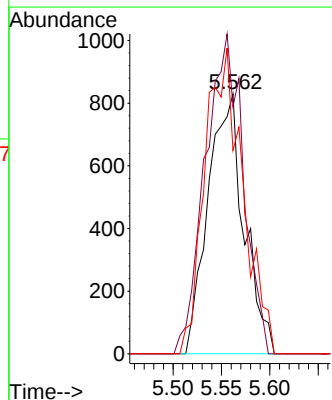
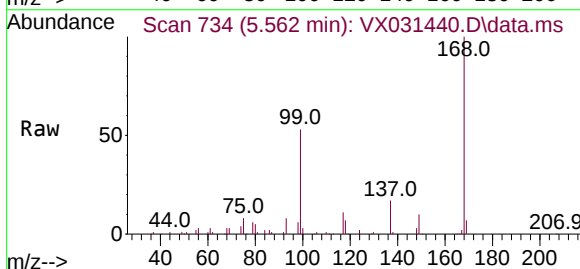
RT: 5.562 min Scan# 734

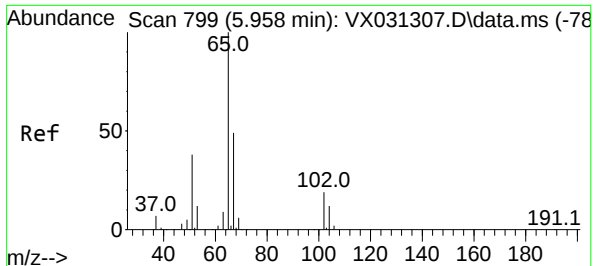
Delta R.T. 0.091 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

Tgt Ion:	56	Resp:	2148
Ion	Ratio	Lower	Upper
56	100		
69	95.1	25.1	37.7#
84	78.2	70.2	105.4

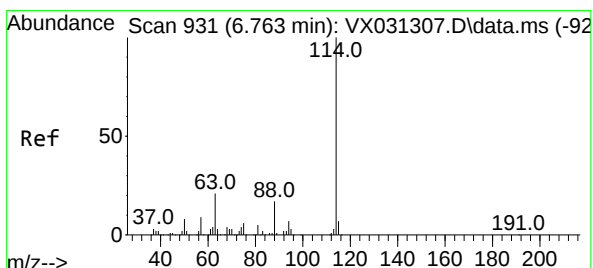
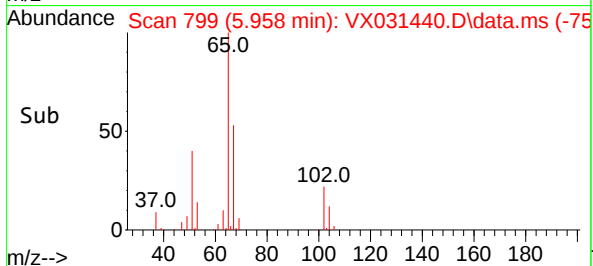
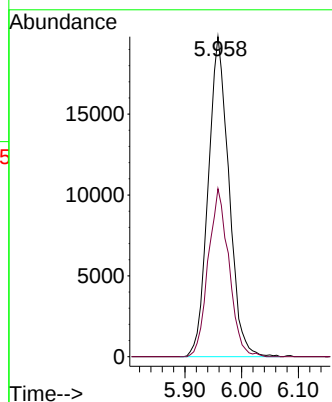
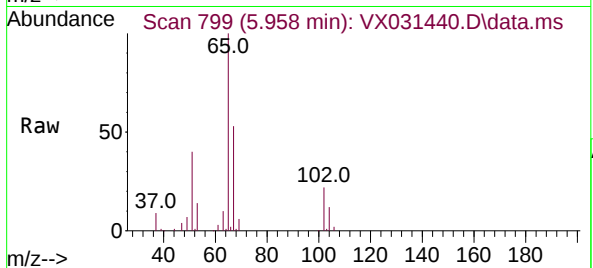




#33
 1,2-Dichloroethane-d4
 Concen: 25.314 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031440.D
 Acq: 17 Sep 2022 03:19

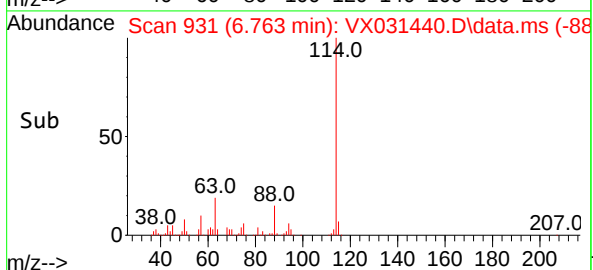
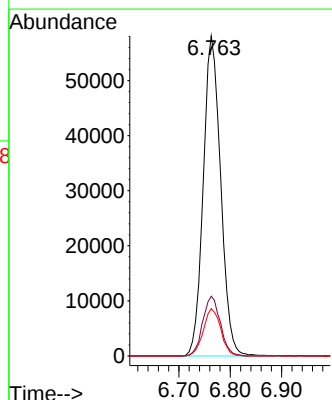
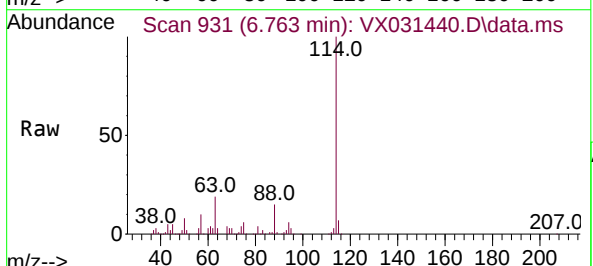
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#09

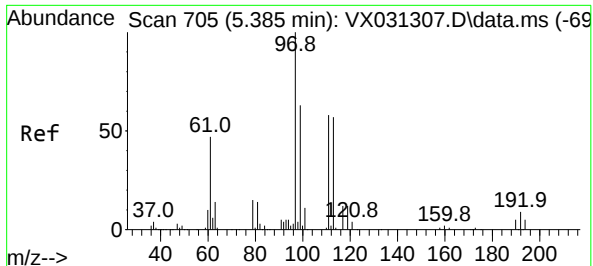
Tgt Ion: 65 Resp: 50170
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031440.D
 Acq: 17 Sep 2022 03:19

Tgt Ion: 114 Resp: 136604
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.6
 88 14.8 0.0 33.0

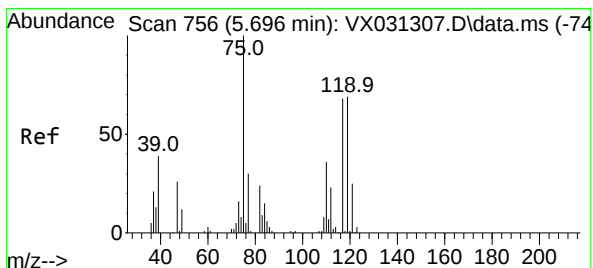
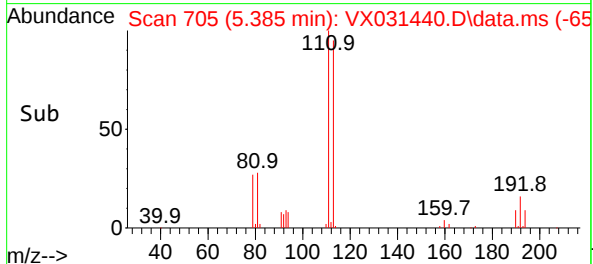
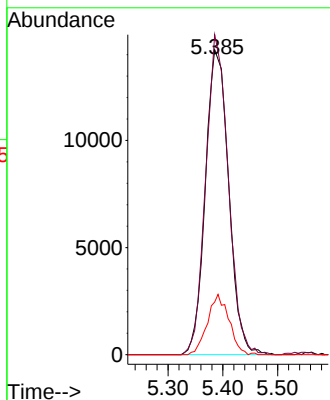
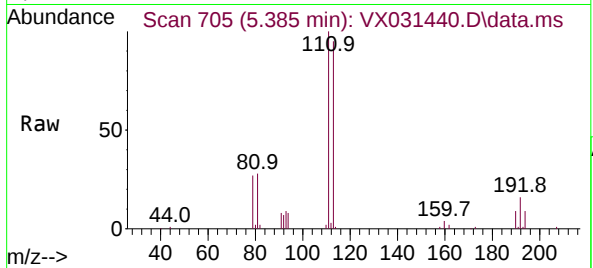




#35
 Dibromofluoromethane
 Concen: 28.708 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX031440.D
 Acq: 17 Sep 2022 03:19

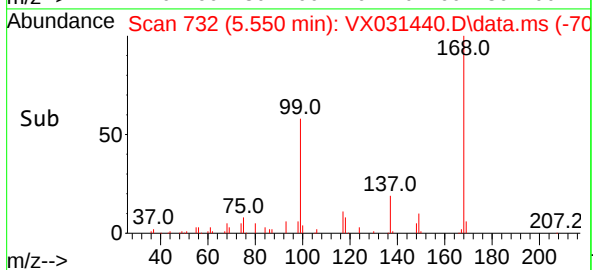
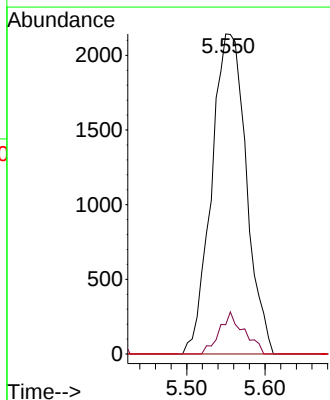
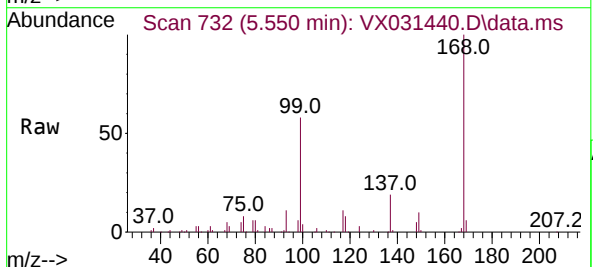
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#09

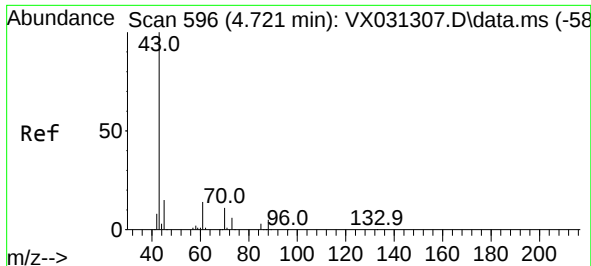
Tgt Ion:113 Resp: 42155
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.4 123.6
 192 18.2 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 3.291 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX031440.D
 Acq: 17 Sep 2022 03:19

Tgt Ion: 75 Resp: 6614
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.5 52.5#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.708 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.006 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

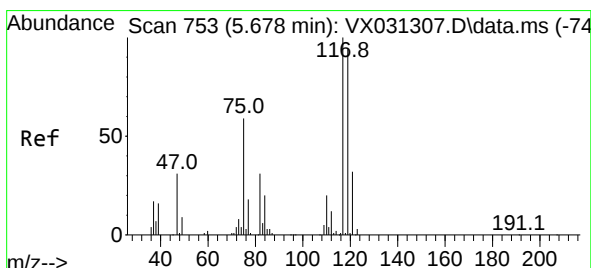
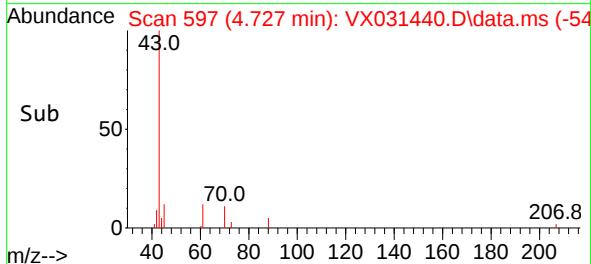
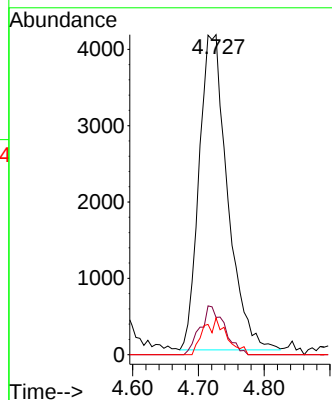
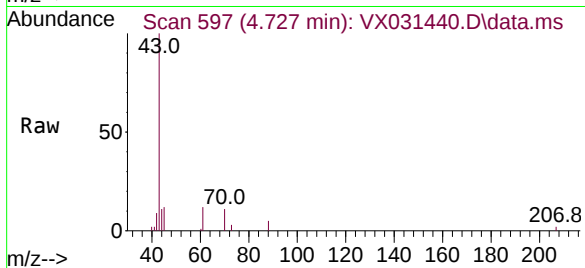
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#09

Tgt Ion:	43	Resp:	12434
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.1	16.7
70	4.2	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.587 ug/l

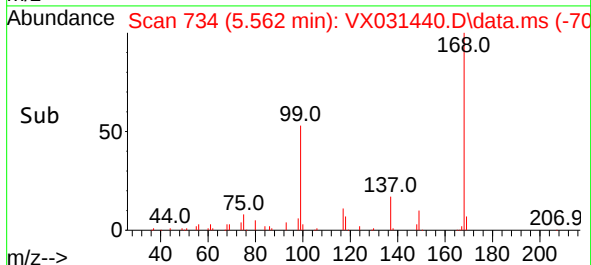
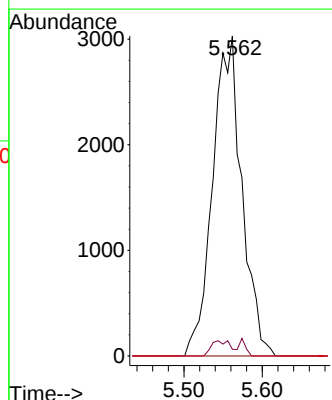
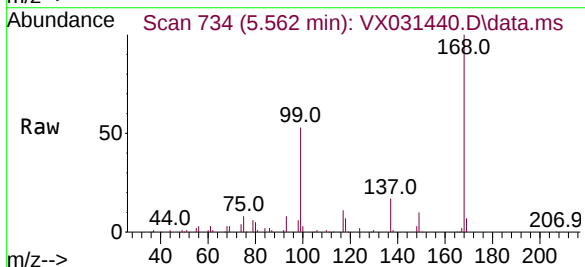
RT: 5.562 min Scan# 734

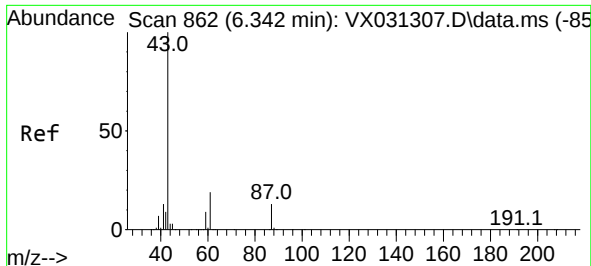
Delta R.T. -0.116 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

Tgt Ion:	117	Resp:	7836
Ion	Ratio	Lower	Upper
117	100		
119	2.1	74.6	112.0
121	0.0	25.3	37.9

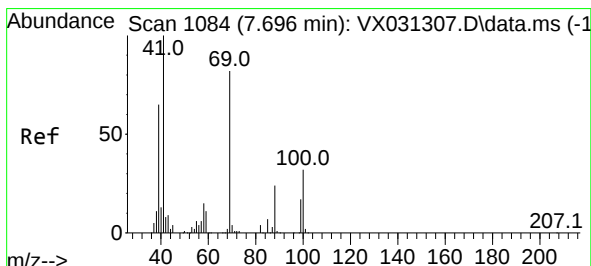
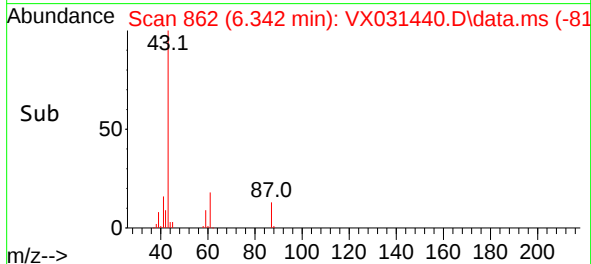
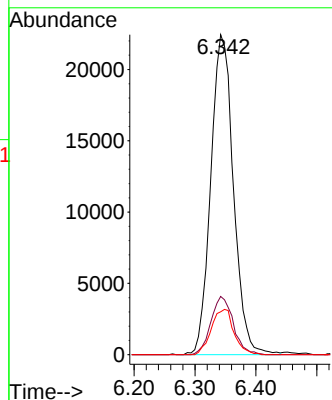
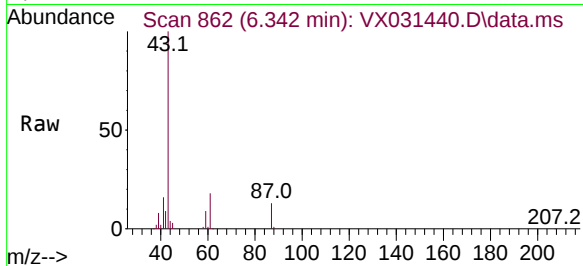




#43
Isopropyl Acetate
Concen: 12.864 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

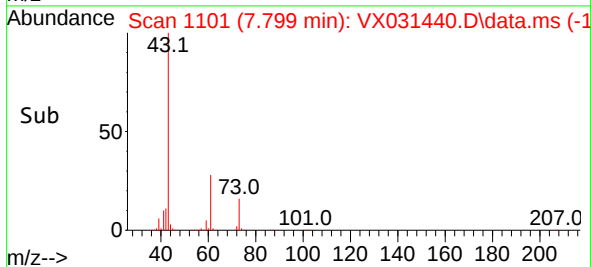
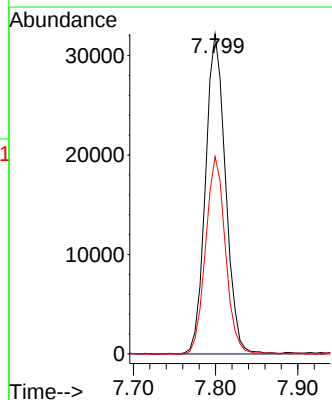
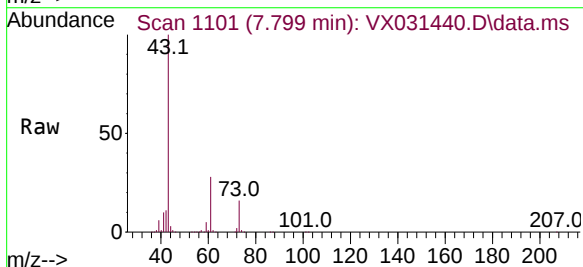
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

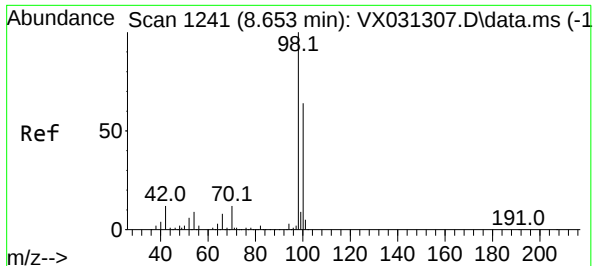
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.3	22.9
87	14.2	10.6	15.8



#48
Methyl methacrylate
Concen: 26.524 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	61.1	51.4	77.0





#50

Toluene-d8

Concen: 30.158 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

Instrument :

MSVOA_X

ClientSampleId :

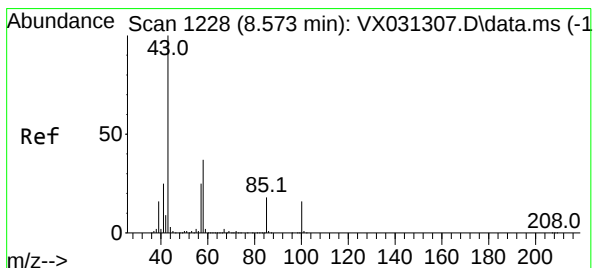
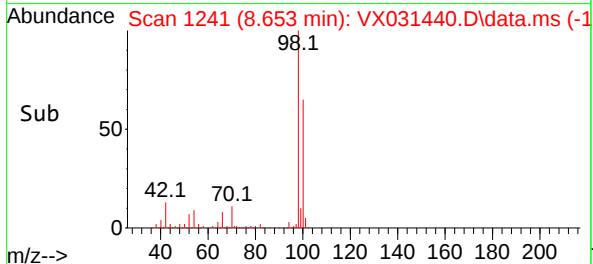
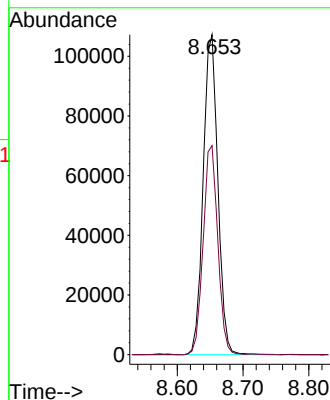
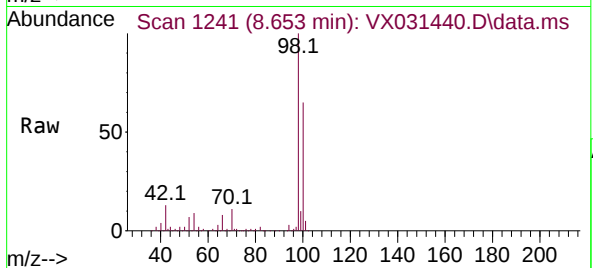
PB147603ZHE#09

Tgt Ion: 98 Resp: 166115

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 17.565 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX031440.D

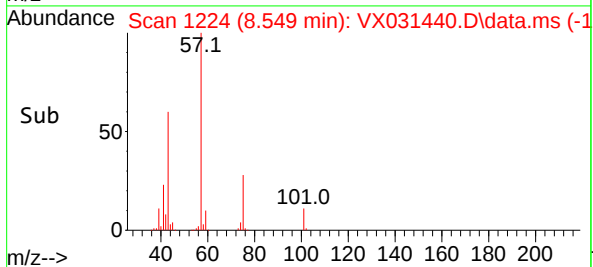
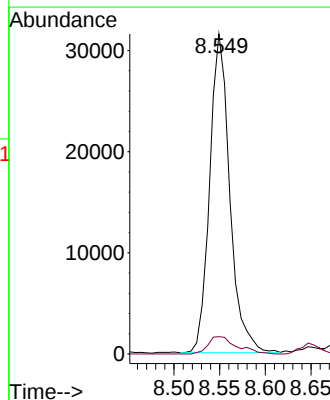
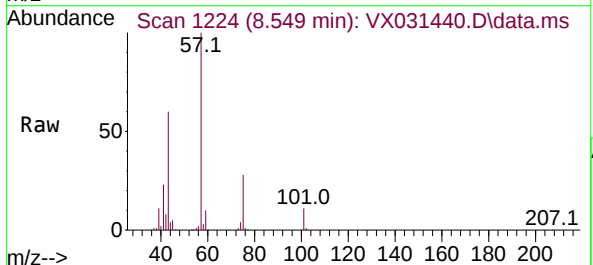
Acq: 17 Sep 2022 03:19

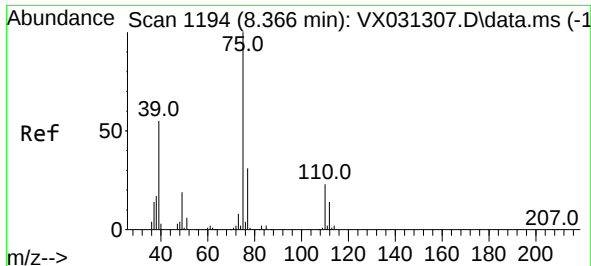
Tgt Ion: 43 Resp: 48134

Ion Ratio Lower Upper

43 100

58 7.7 30.6 46.0#

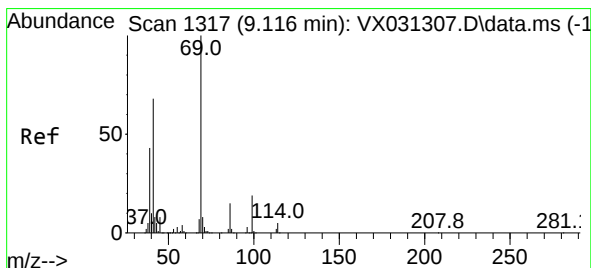
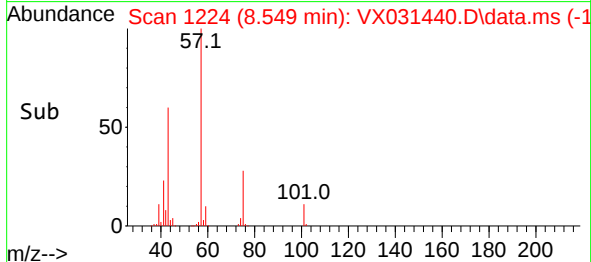
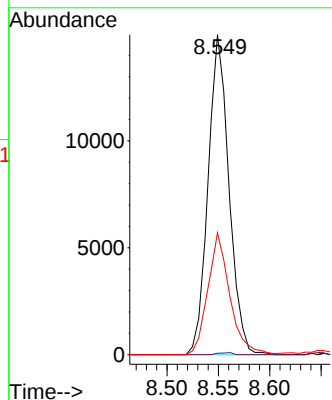
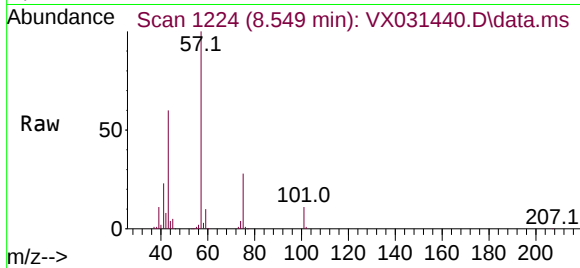




#54
cis-1,3-Dichloropropene
Concen: 7.838 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

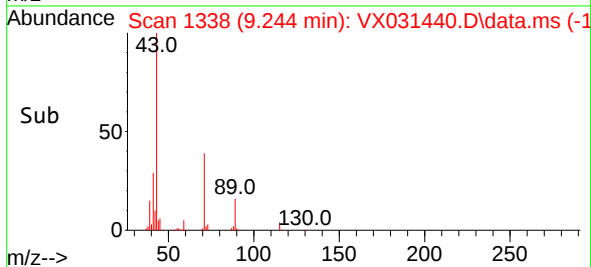
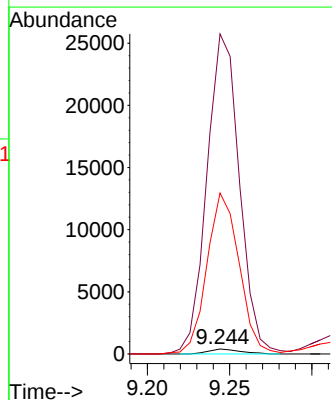
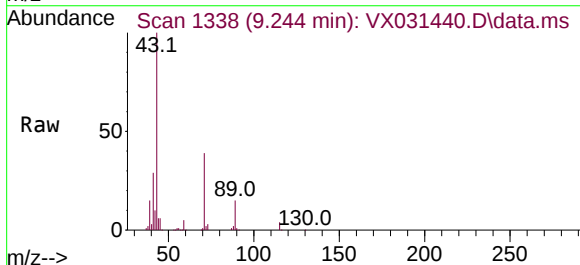
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

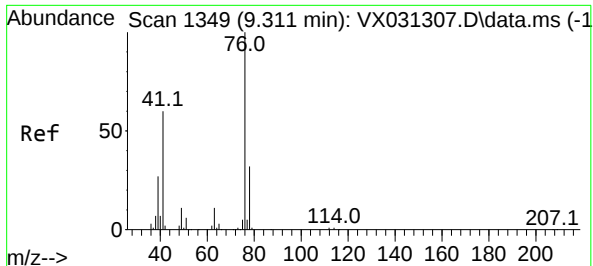
Tgt Ion: 75 Resp: 21126
Ion Ratio Lower Upper
75 100
77 0.5 24.4 36.6#
39 38.1 43.7 65.5#



#56
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 69 Resp: 537
Ion Ratio Lower Upper
69 100
41 6620.5 54.2 81.4#
39 3283.2 34.2 51.2#

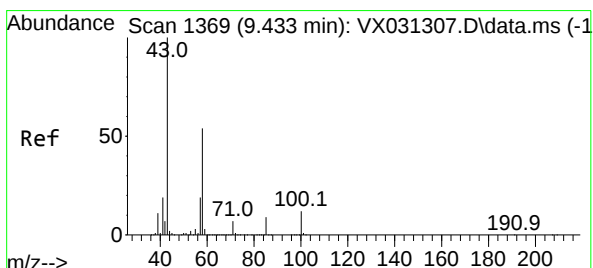
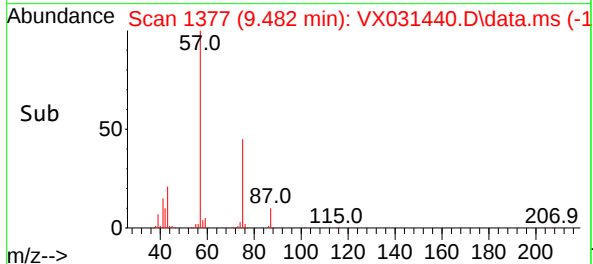
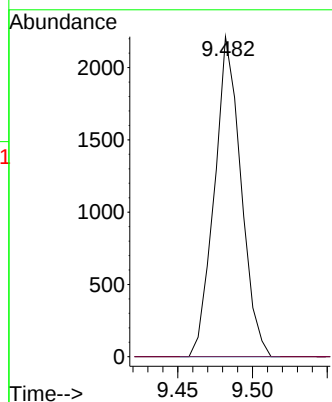
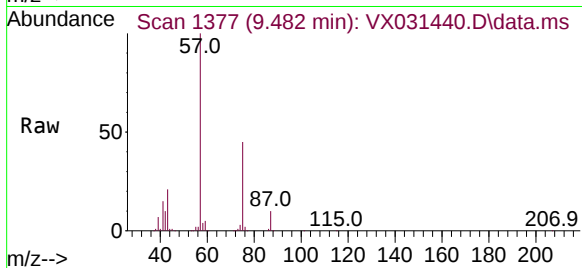




#57
1,3-Dichloropropane
Concen: 0.989 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

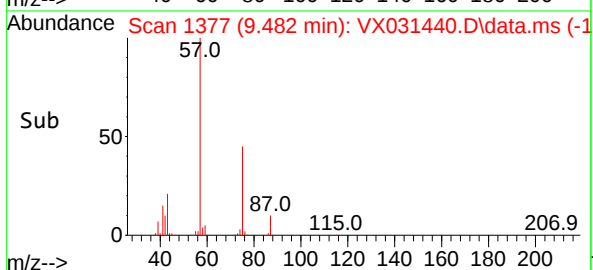
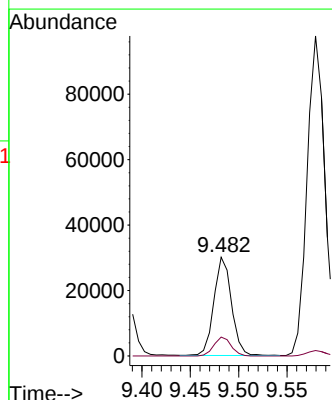
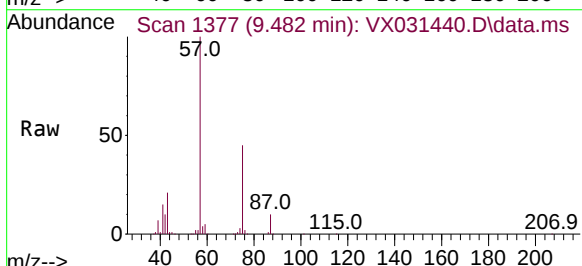
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

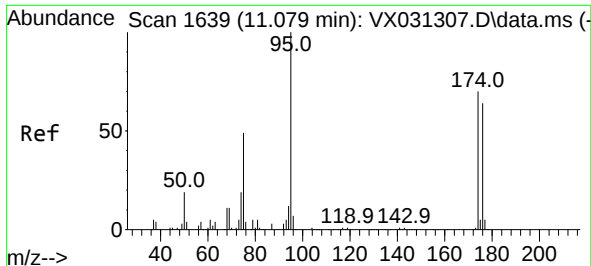
Tgt Ion: 76 Resp: 2738
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 18.182 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 43 Resp: 38028
Ion Ratio Lower Upper
43 100
58 18.9 26.7 80.0#

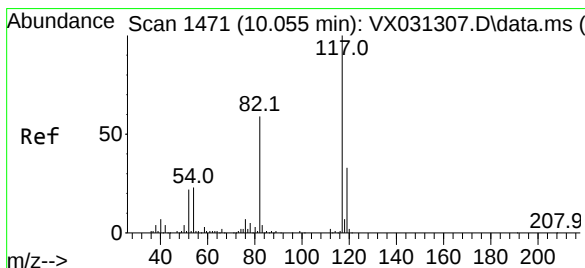
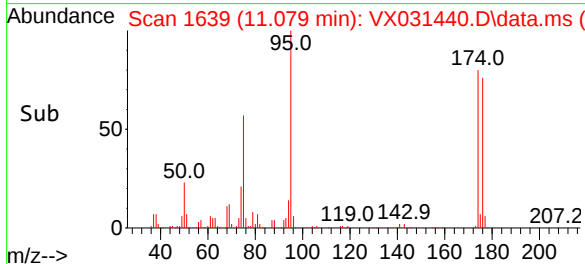
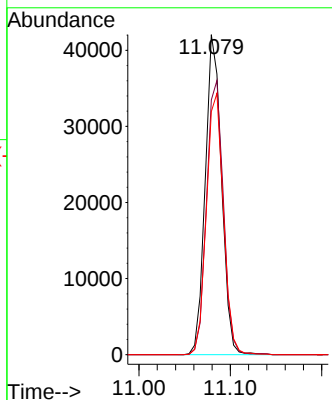
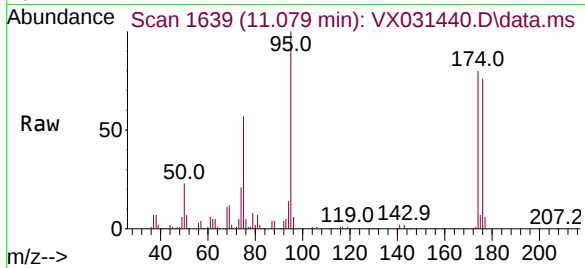




#62
4-Bromofluorobenzene
Concen: 25.656 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

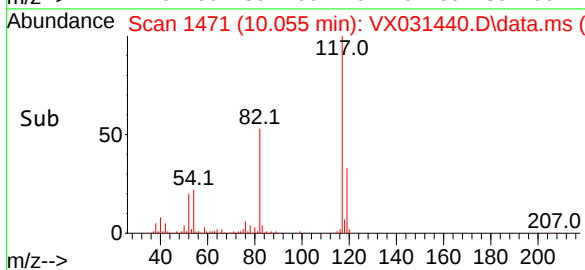
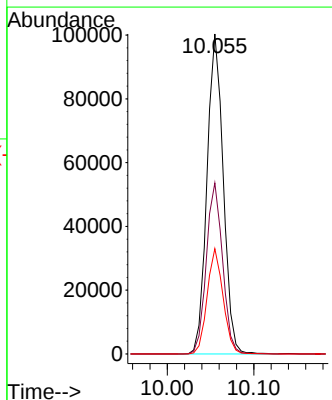
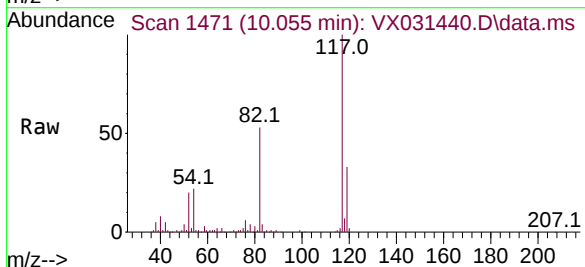
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

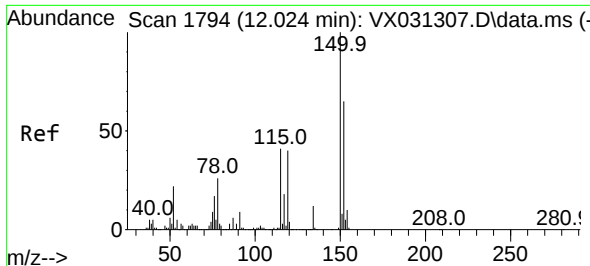
Tgt Ion: 95 Resp: 51750
Ion Ratio Lower Upper
95 100
174 89.0 0.0 153.2
176 85.7 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 117 Resp: 130879
Ion Ratio Lower Upper
117 100
82 53.4 46.8 70.2
119 32.9 26.4 39.6

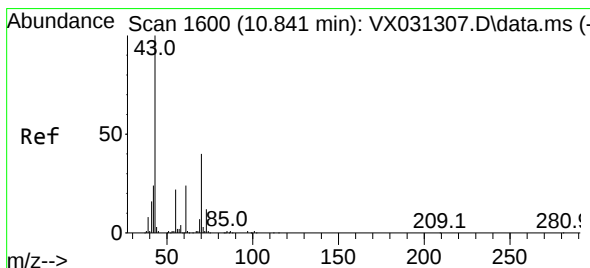
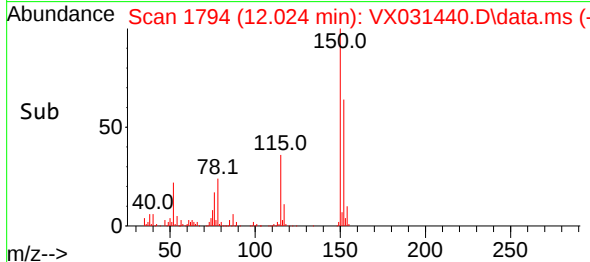
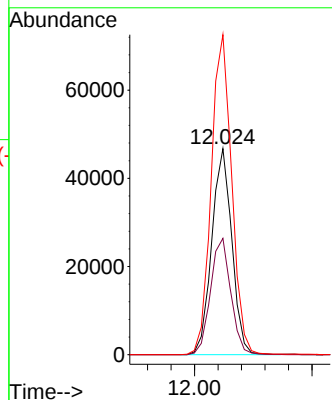
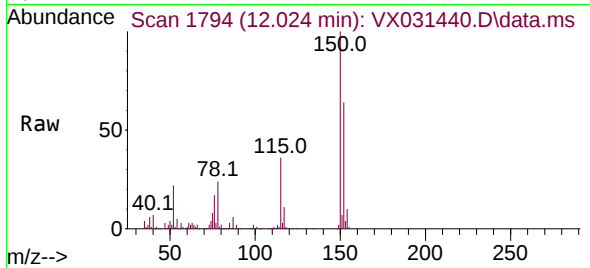




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

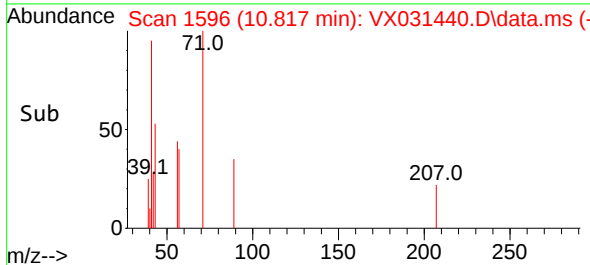
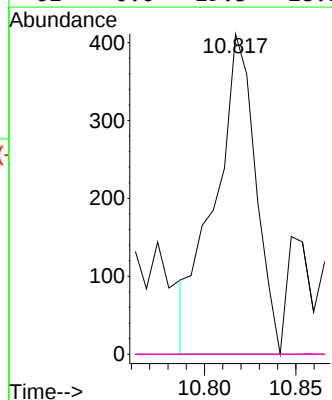
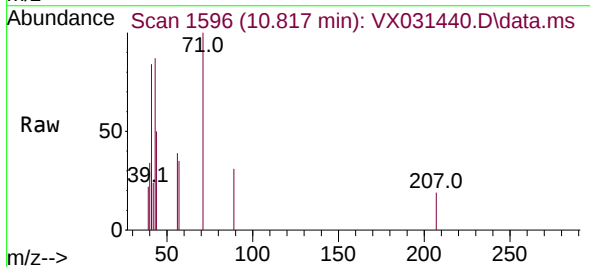
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#09

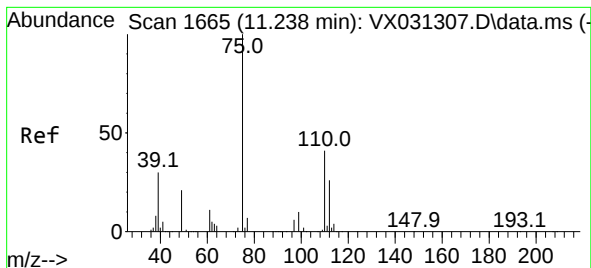
Tgt Ion:152 Resp: 55590
Ion Ratio Lower Upper
152 100
115 56.9 43.4 130.1
150 158.5 0.0 346.8



#74
N-ethyl acetate
Concen: 0.312 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX031440.D
Acq: 17 Sep 2022 03:19

Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#





#76

1,2,3-Trichloropropane

Concen: 21.183 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

Instrument :

MSVOA_X

ClientSampleId :

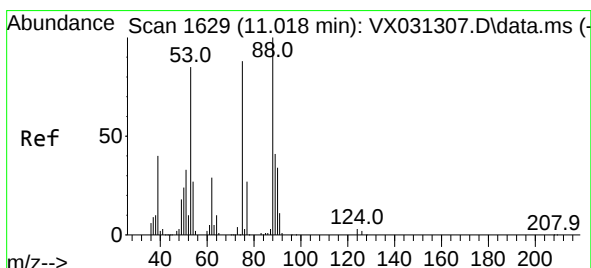
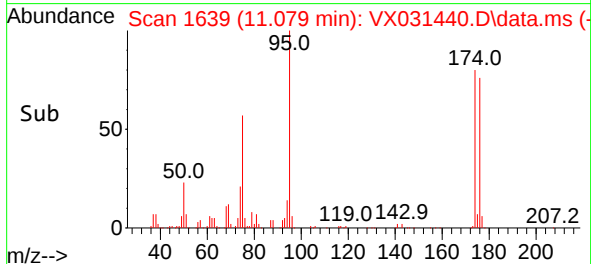
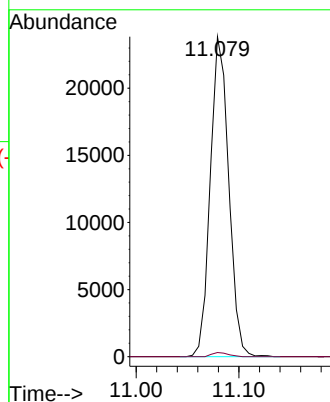
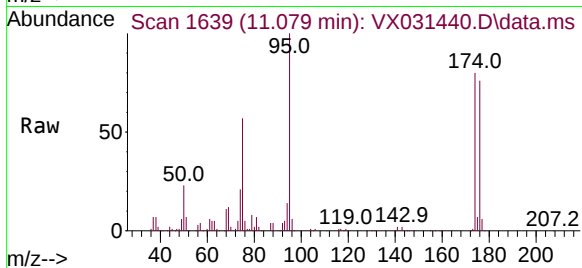
PB147603ZHE#09

Tgt Ion: 75 Resp: 29675

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.614 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031440.D

Acq: 17 Sep 2022 03:19

Tgt Ion: 75 Resp: 29675

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.2 37.4 56.0#

