

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031434.D
 Acq On : 17 Sep 2022 00:59
 Operator : JC/MD
 Sample : PB147603ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#03

Quant Time: Sep 17 04:28:57 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)

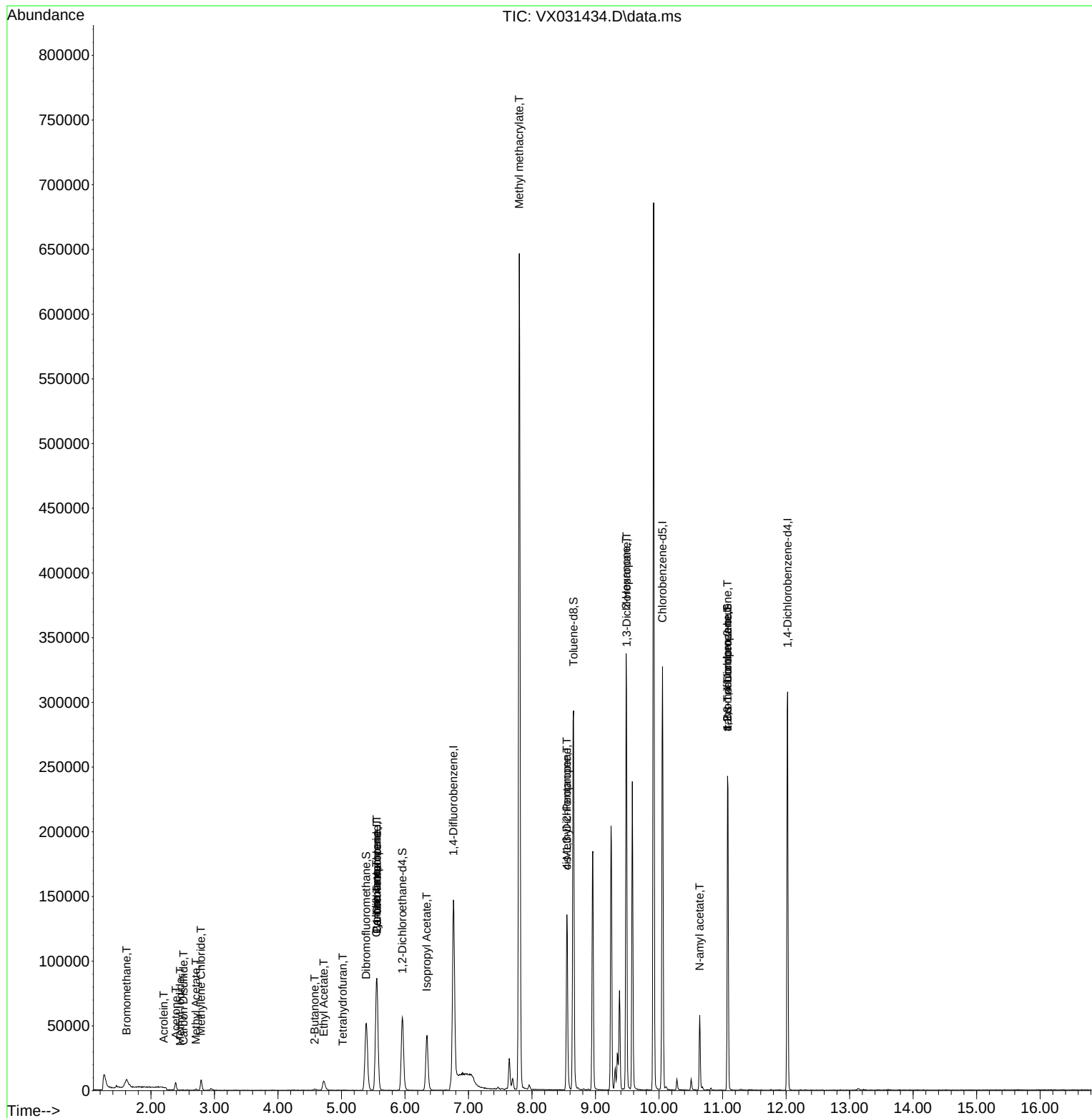
Internal Standards						
1) Pentafluorobenzene	5.556	168	82931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	138730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50841	24.976	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	49.960%#		
35) Dibromofluoromethane	5.385	113	43311	29.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	58.080%#		
50) Toluene-d8	8.653	98	169710	30.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	60.680%#		
62) 4-Bromofluorobenzene	11.079	95	55719	27.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	54.400%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	406	Below Cal	#	41
5) Bromomethane	1.617	94	689	0.634	ug/l	99
10) Methyl Iodide	2.459	142	19	0.922	ug/l #	38
11) Tert butyl alcohol	2.940	59	954	Below Cal	#	73
13) Acrolein	2.203	56	47	0.200	ug/l #	64
16) Acetone	2.392	43	6546	7.533	ug/l #	89
17) Carbon Disulfide	2.514	76	121	0.922	ug/l #	75
18) Methyl Acetate	2.709	43	1177	0.457	ug/l #	90
20) Methylene Chloride	2.788	84	3705	0.347	ug/l #	84
21) trans-1,2-Dichloroethene	3.227	96	23	Below Cal	#	1
25) 2-Butanone	4.574	43	1354	0.945	ug/l #	86
29) Tetrahydrofuran	5.019	42	210	0.237	ug/l #	32
31) Cyclohexane	5.550	56	2127	0.973	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6682	3.274	ug/l #	51
37) Ethyl Acetate	4.721	43	13295	4.957	ug/l	97
38) Carbon Tetrachloride	5.556	117	8378	3.776	ug/l #	16
43) Isopropyl Acetate	6.342	43	58349	12.744	ug/l	100
48) Methyl methacrylate	7.799	41	56767	27.236	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	47132	16.936	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21093	7.706	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	2731	0.971	ug/l #	43
59) 2-Hexanone	9.482	43	37978	17.880	ug/l #	53
74) N-amyl acetate	10.640	43	13768	6.167	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	31856	20.792	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31856	57.532	ug/l #	11

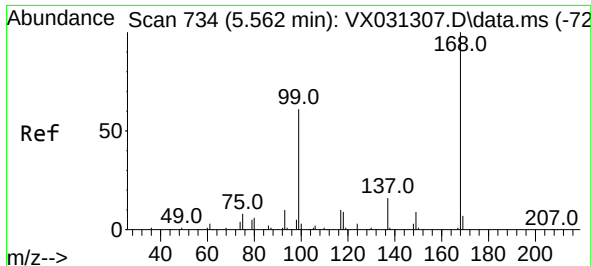
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
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Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

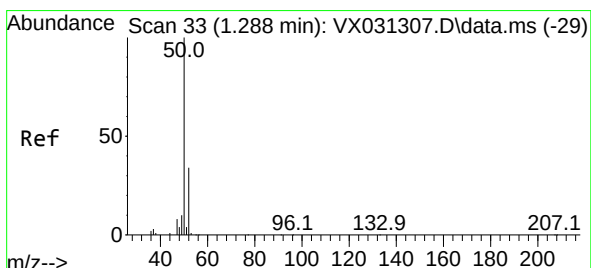
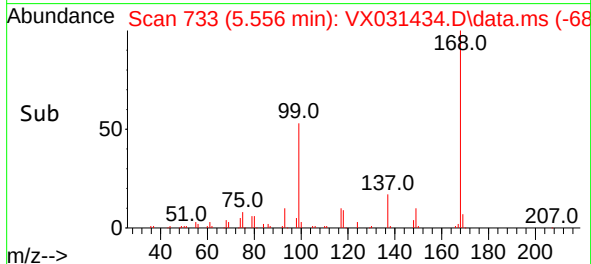
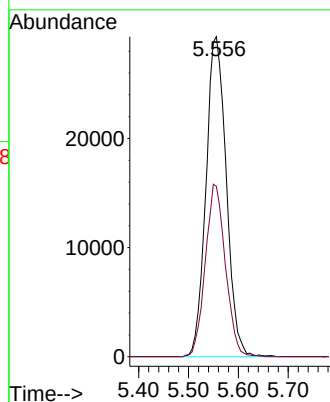
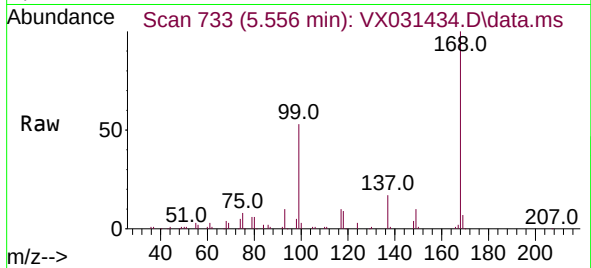




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

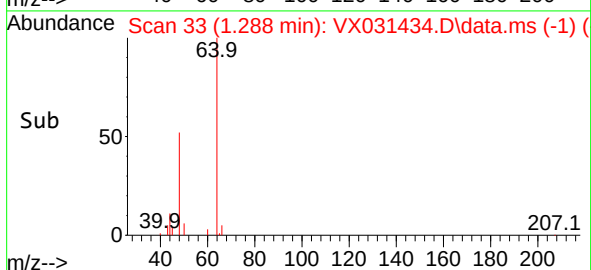
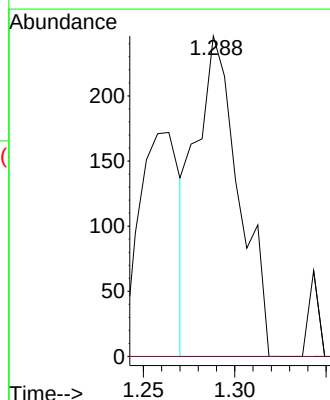
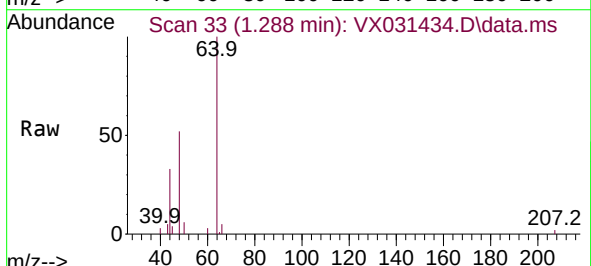
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

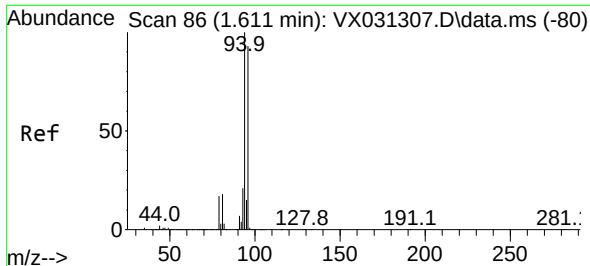
Tgt Ion:168 Resp: 82931
Ion Ratio Lower Upper
168 100
99 53.2 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion: 50 Resp: 406
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

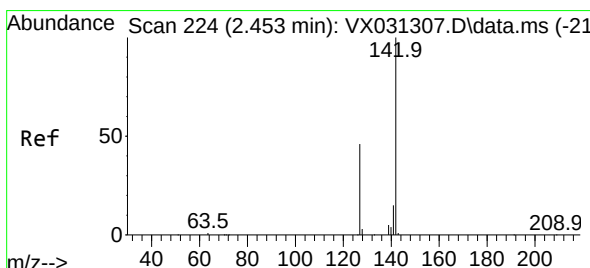
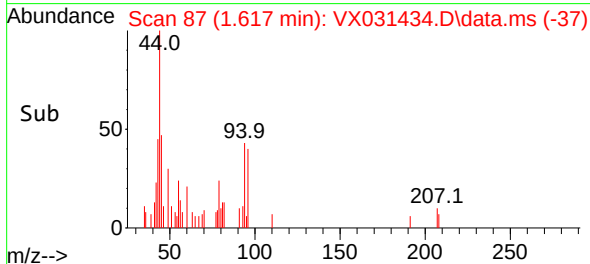
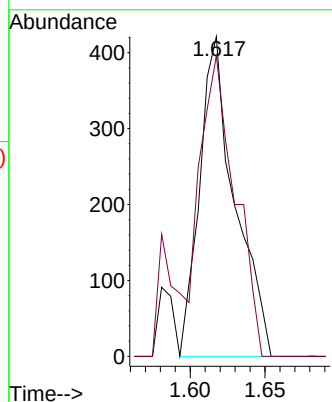
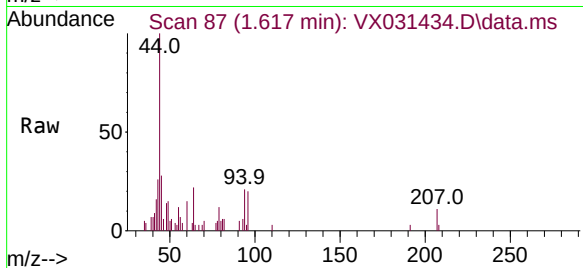




#5
Bromomethane
Concen: 0.634 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

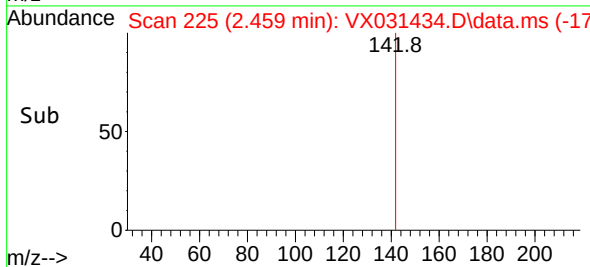
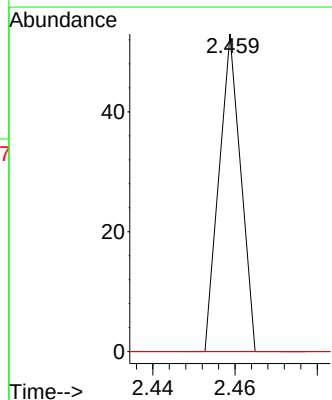
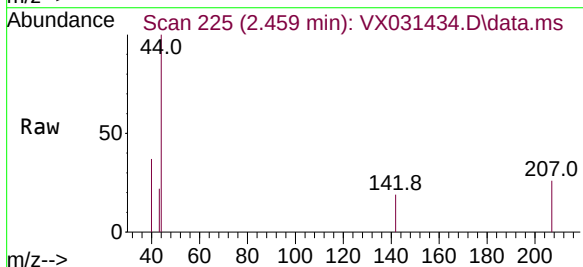
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

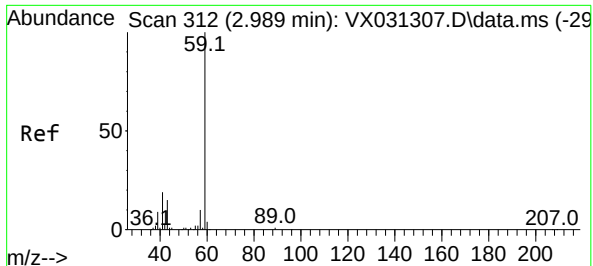
Tgt Ion: 94 Resp: 689
Ion Ratio Lower Upper
94 100
96 94.1 74.4 111.6



#10
Methyl Iodide
Concen: 0.922 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#

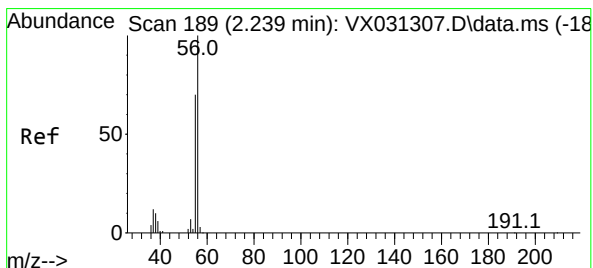
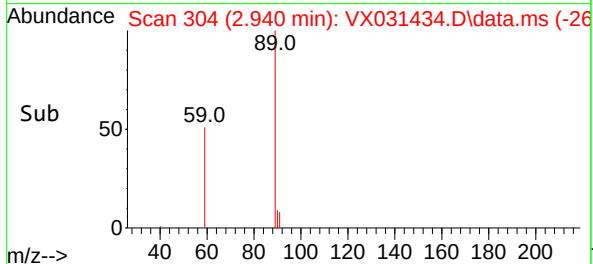
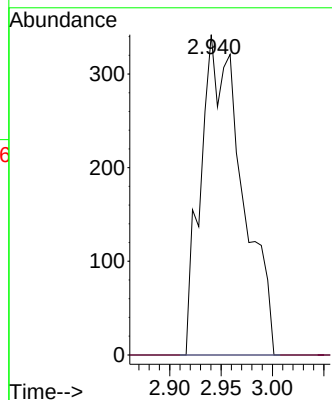
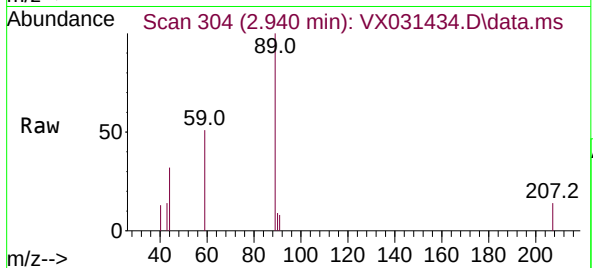




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

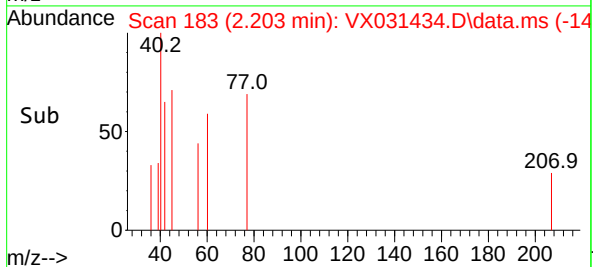
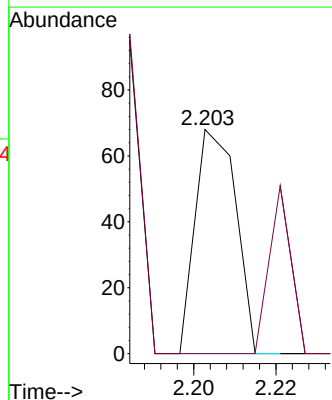
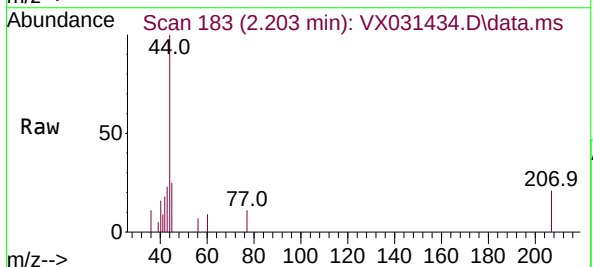
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

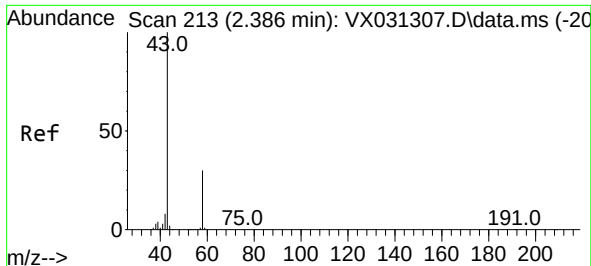
Tgt Ion: 59 Resp: 954
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.200 ug/l
RT: 2.203 min Scan# 183
Delta R.T. -0.036 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 40.4 56.0 84.0#





#16

Acetone

Concen: 7.533 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Instrument :

MSVOA_X

ClientSampleId :

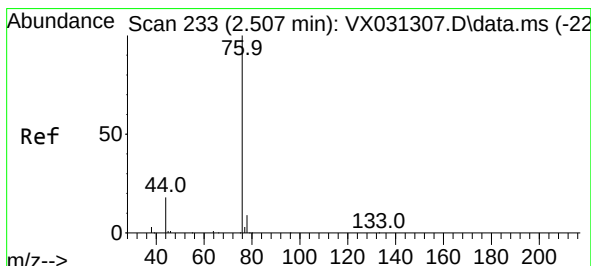
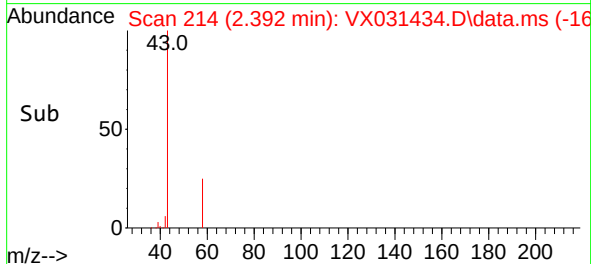
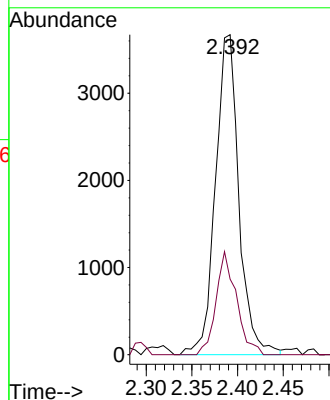
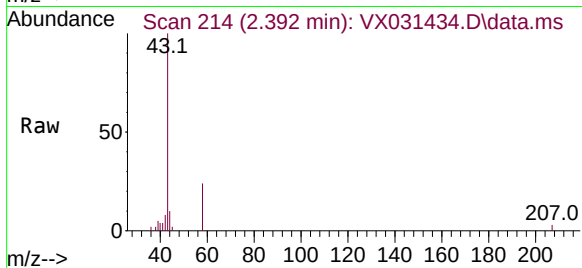
PB147603ZHE#03

Tgt Ion: 43 Resp: 6546

Ion Ratio Lower Upper

43 100

58 23.6 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.922 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.007 min

Lab File: VX031434.D

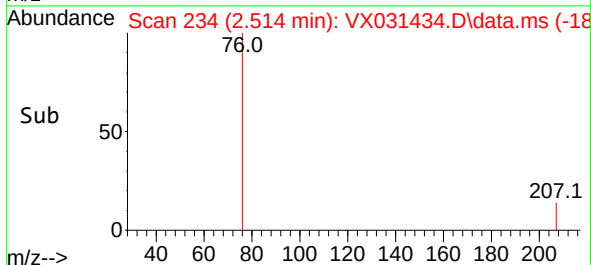
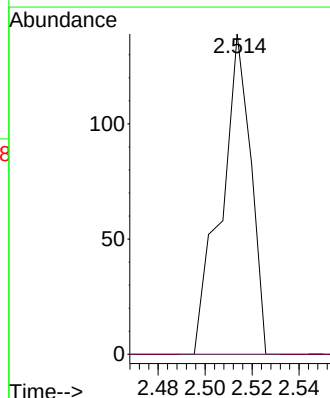
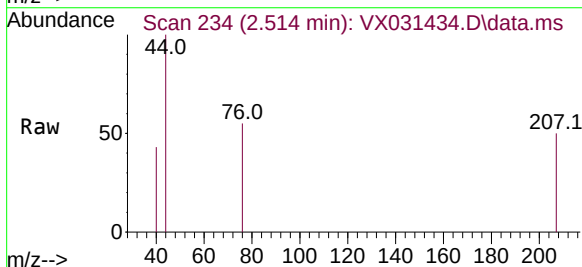
Acq: 17 Sep 2022 00:59

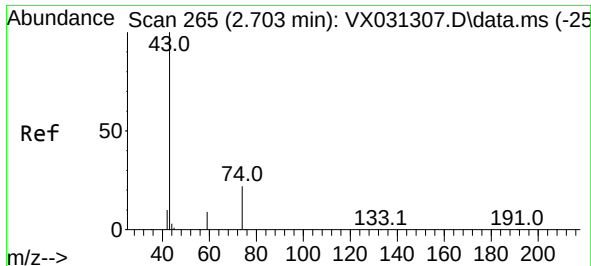
Tgt Ion: 76 Resp: 121

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.457 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Instrument :

MSVOA_X

ClientSampleId :

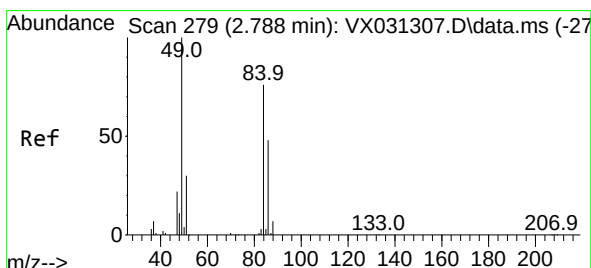
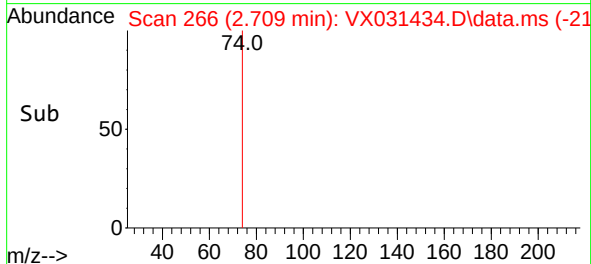
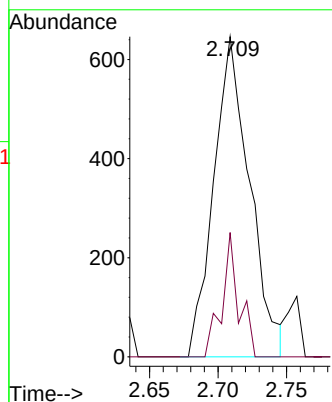
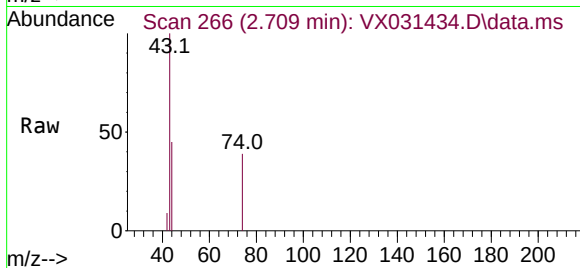
PB147603ZHE#03

Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

74 18.3 18.6 27.8#



#20

Methylene Chloride

Concen: 0.347 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Tgt Ion: 84 Resp: 3705

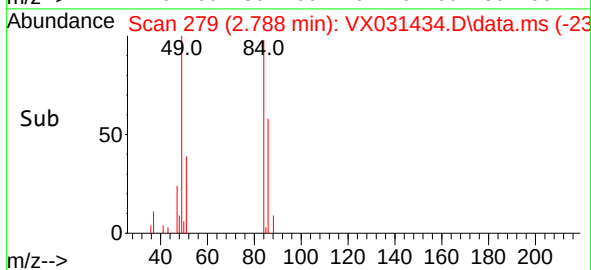
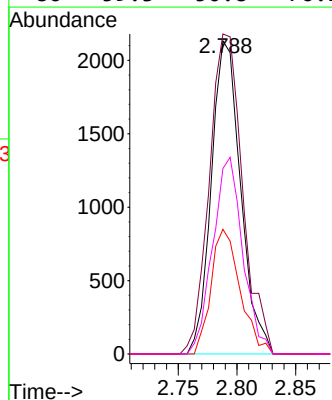
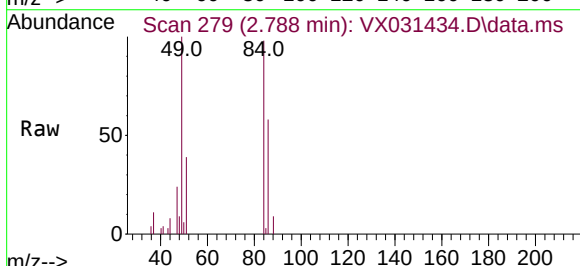
Ion Ratio Lower Upper

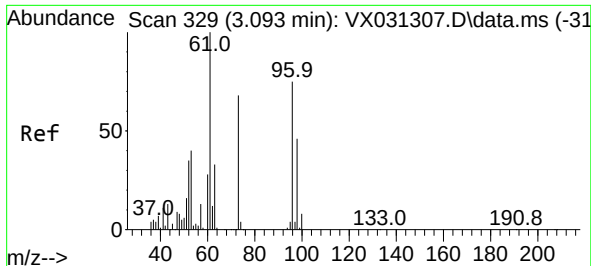
84 100

49 102.2 105.9 158.9#

51 39.8 32.2 48.2

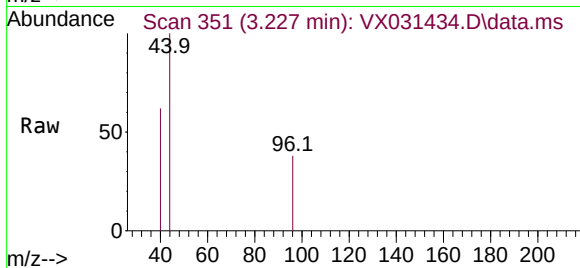
86 59.3 50.8 76.2



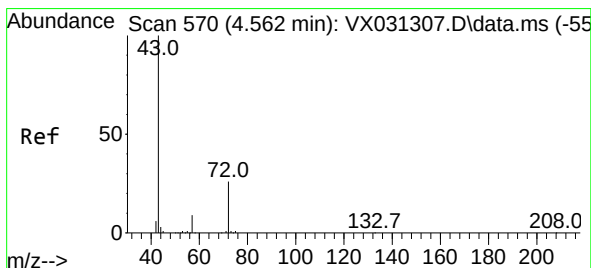
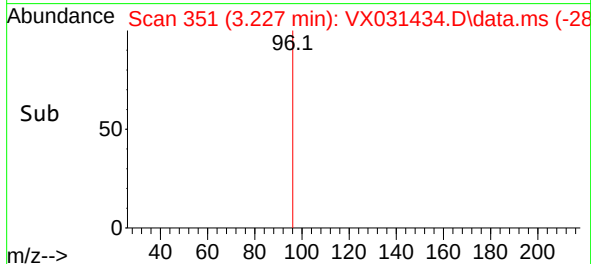
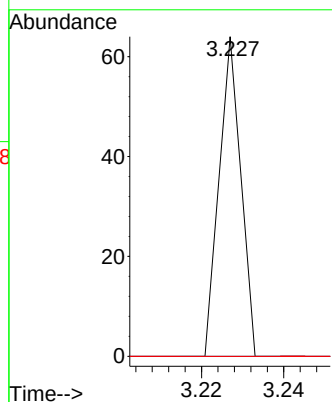


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.227 min Scan# 31
Delta R.T. 0.134 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

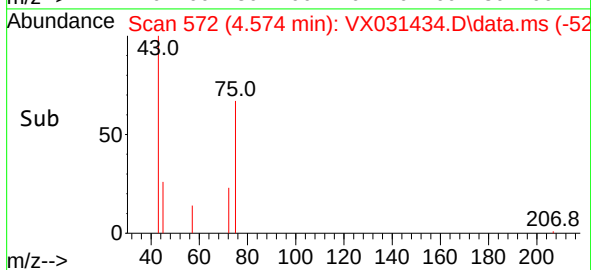
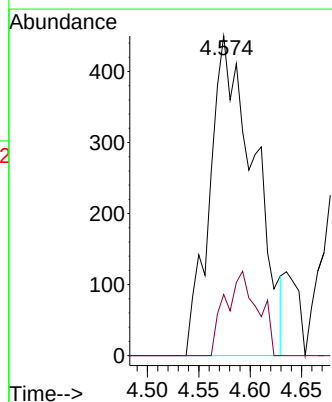
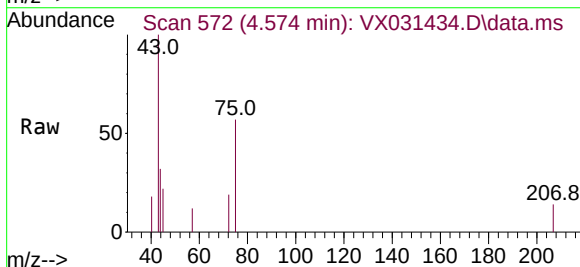


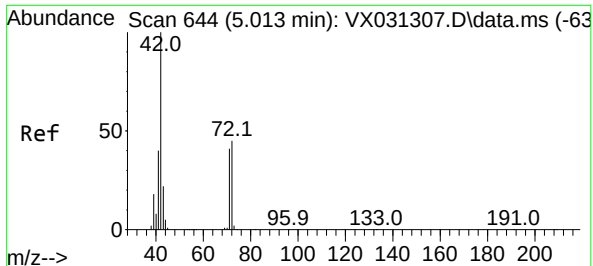
Tgt Ion: 96 Resp: 23
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 0.945 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
72 19.1 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

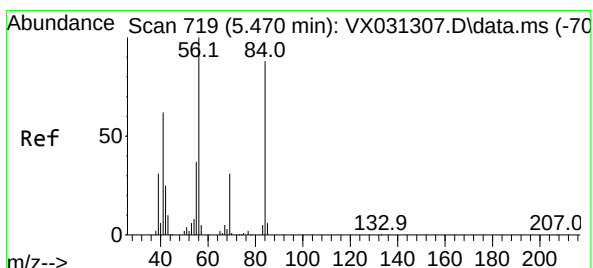
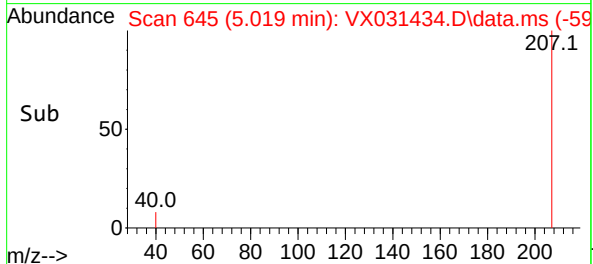
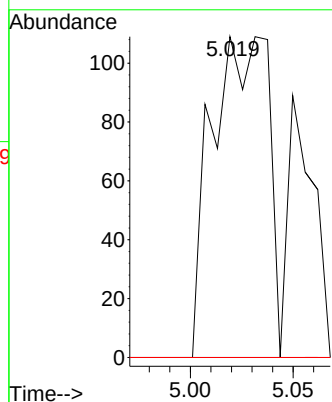
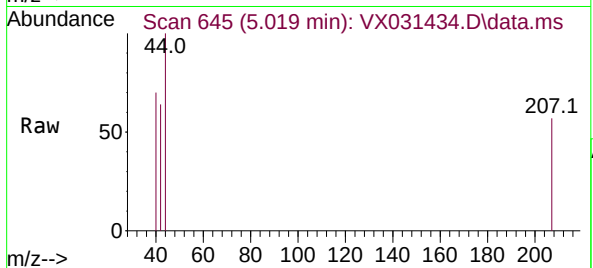
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#03

Tgt Ion:	42	Resp:	210
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 0.973 ug/l

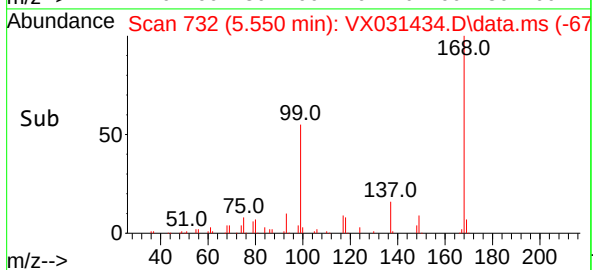
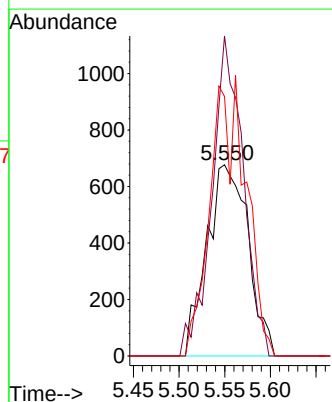
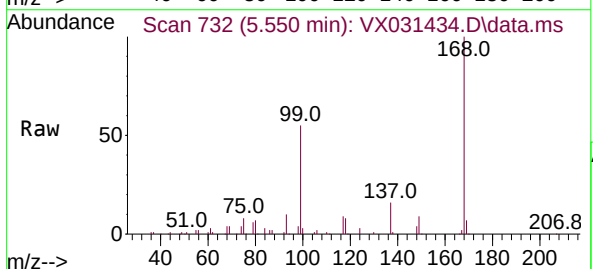
RT: 5.550 min Scan# 732

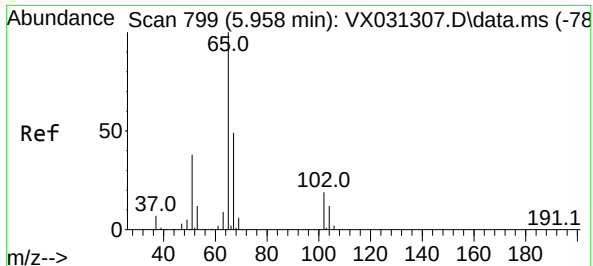
Delta R.T. 0.079 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Tgt Ion:	56	Resp:	2127
Ion	Ratio	Lower	Upper
56	100		
69	167.4	25.1	37.7#
84	135.7	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 24.976 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Instrument :

MSVOA_X

ClientSampleId :

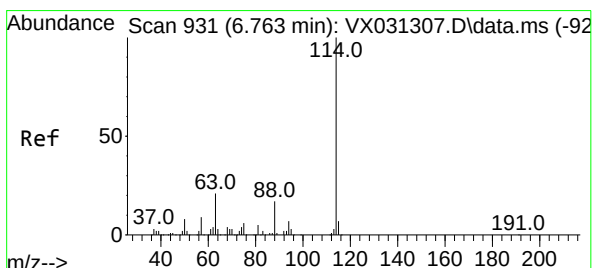
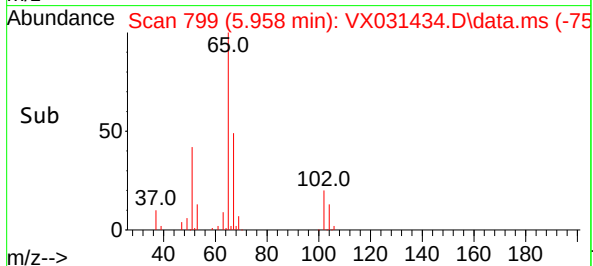
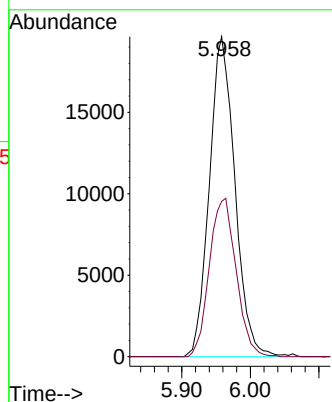
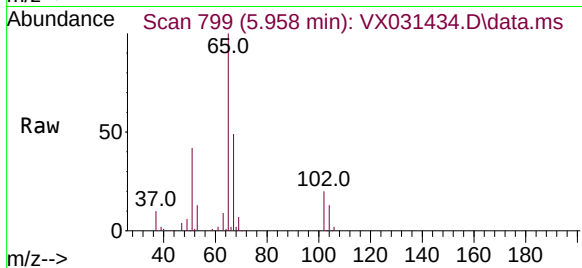
PB147603ZHE#03

Tgt Ion: 65 Resp: 50841

Ion Ratio Lower Upper

65 100

67 51.8 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: VX031434.D

Acq: 17 Sep 2022 00:59

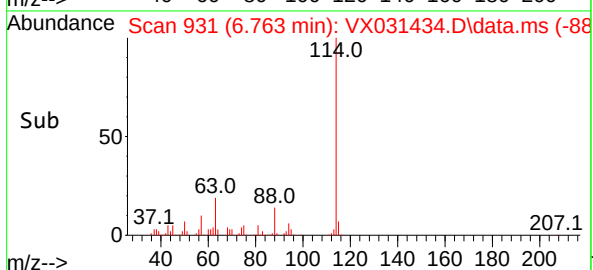
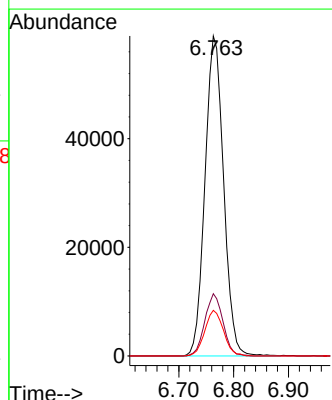
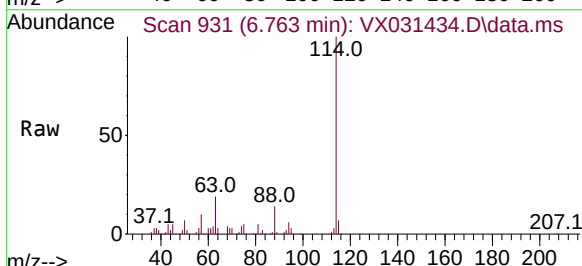
Tgt Ion: 114 Resp: 138730

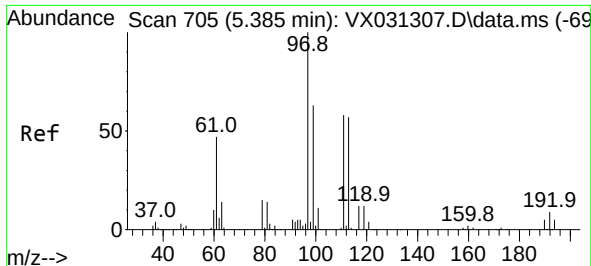
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 14.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 29.043 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#03

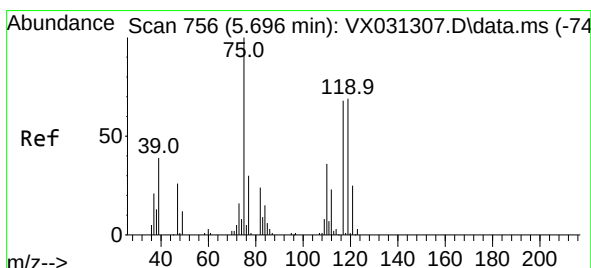
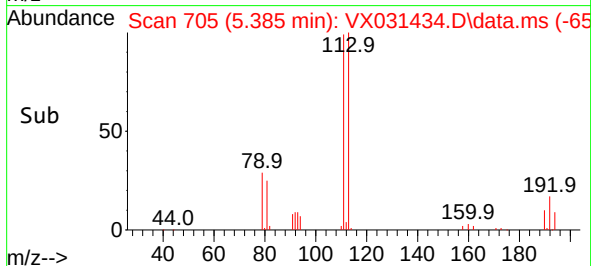
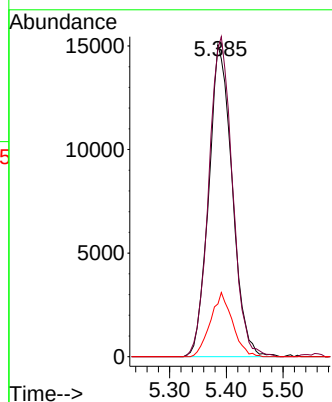
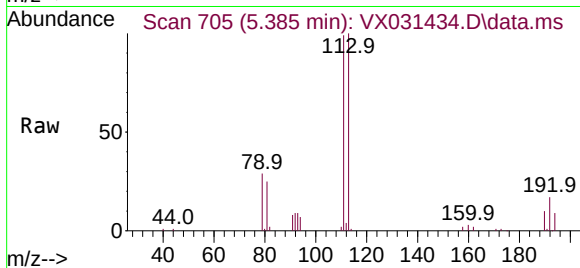
Tgt Ion:113 Resp: 43311

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 19.3 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.274 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

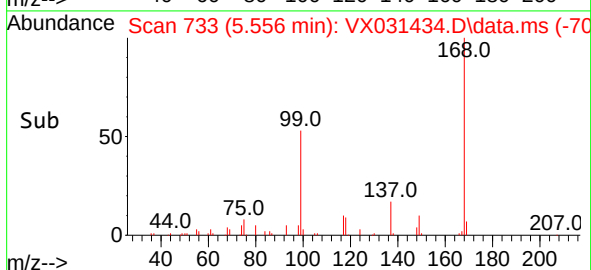
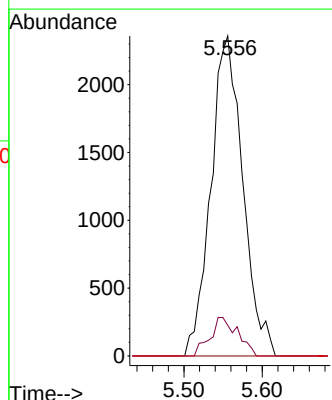
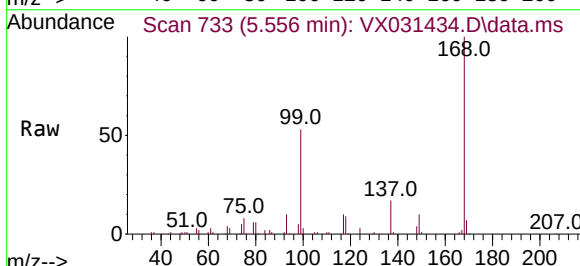
Tgt Ion: 75 Resp: 6682

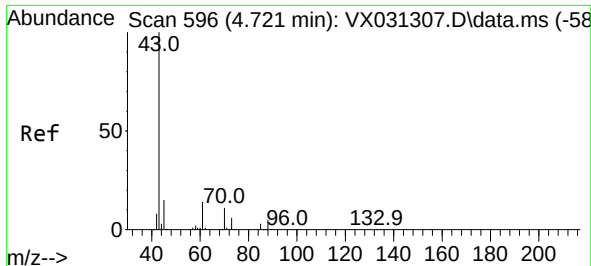
Ion Ratio Lower Upper

75 100

110 10.4 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.957 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

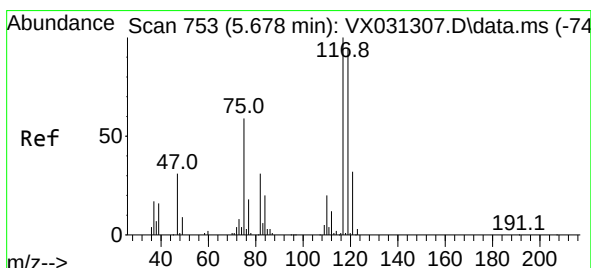
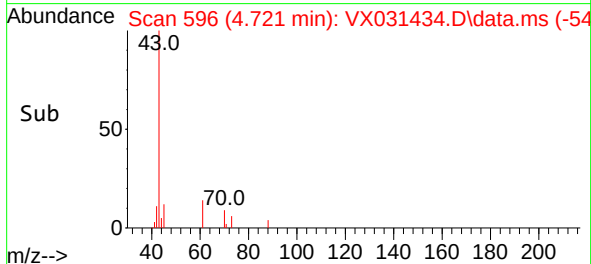
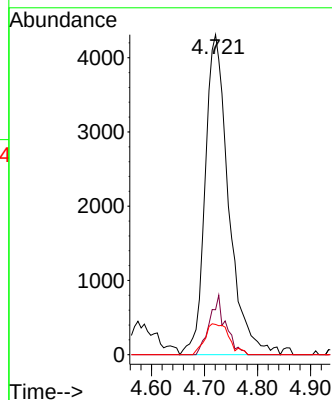
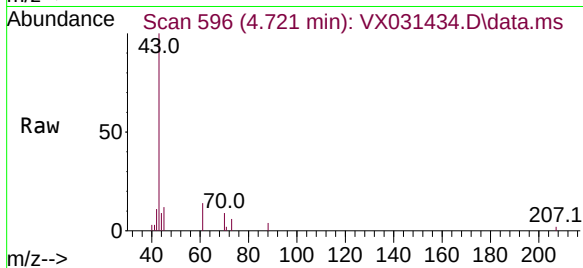
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#03

Tgt Ion:	43	Resp:	13295
Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.1	16.7
70	9.9	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.776 ug/l

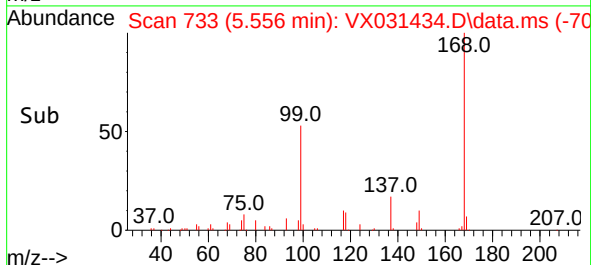
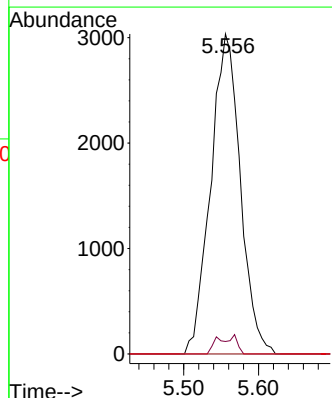
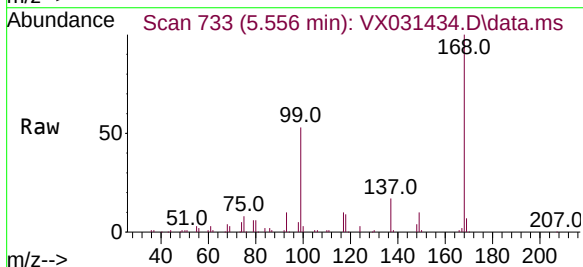
RT: 5.556 min Scan# 733

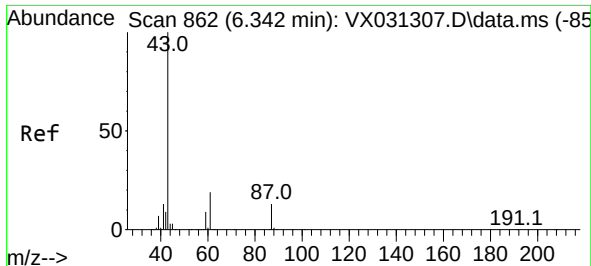
Delta R.T. -0.122 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Tgt Ion:	117	Resp:	8378
Ion	Ratio	Lower	Upper
117	100		
119	3.9	74.6	112.0#
121	0.0	25.3	37.9#

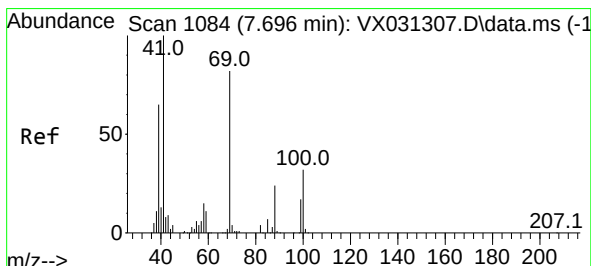
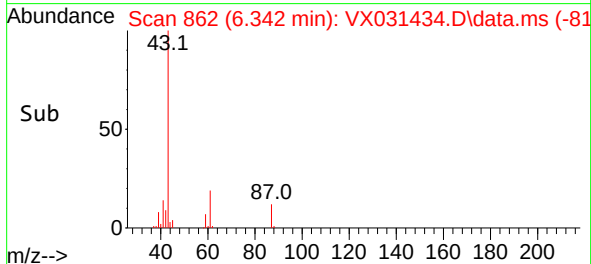
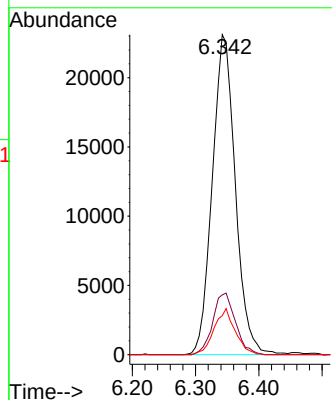
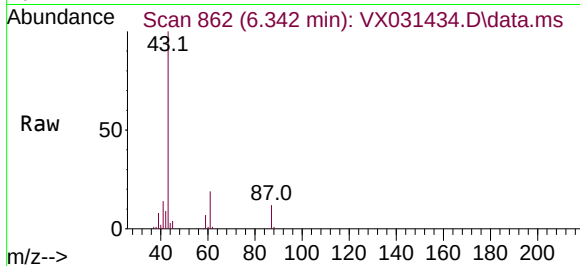




#43
Isopropyl Acetate
Concen: 12.744 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

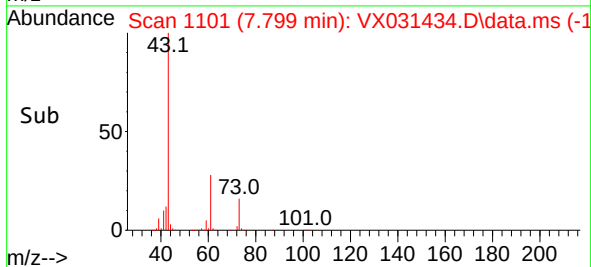
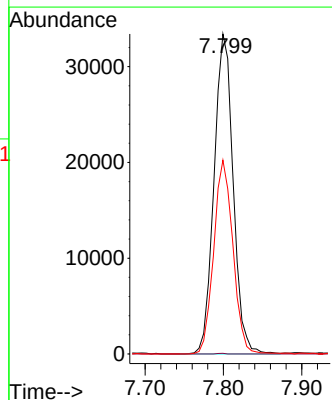
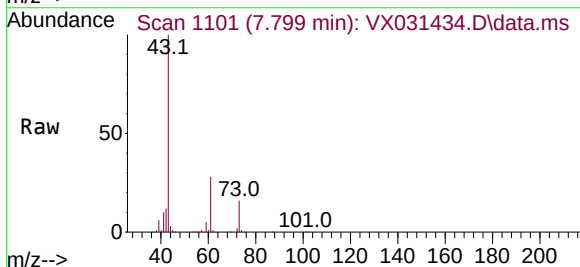
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

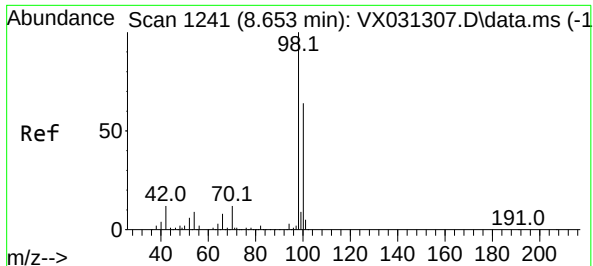
Tgt Ion:	43	Resp:	58349
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	13.2	10.6	15.8



#48
Methyl methacrylate
Concen: 27.236 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion:	41	Resp:	56767
Ion	Ratio	Lower	Upper
41	100		
69	0.1	64.6	96.8#
39	60.8	51.4	77.0

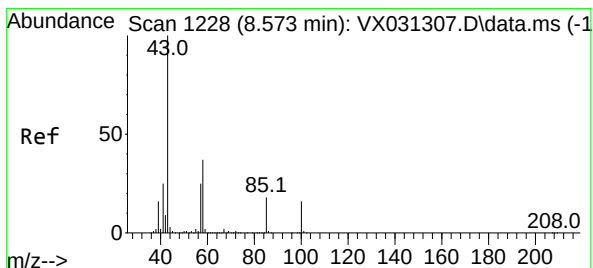
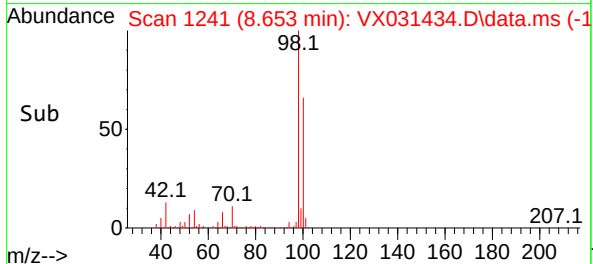
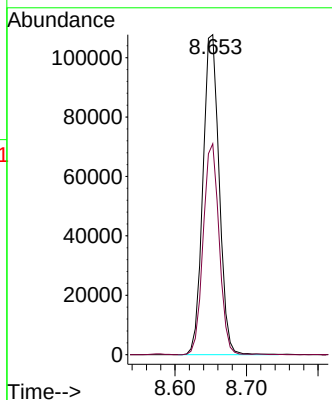
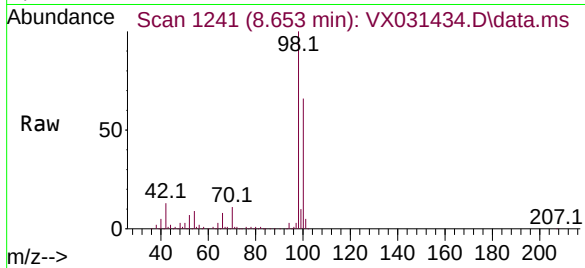




#50
Toluene-d8
Concen: 30.339 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

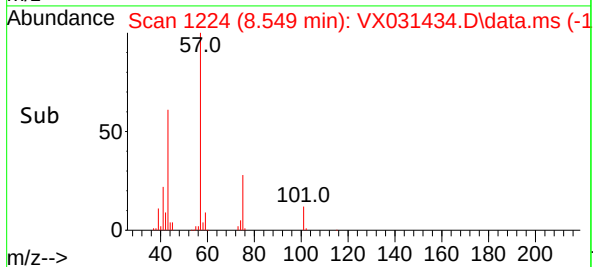
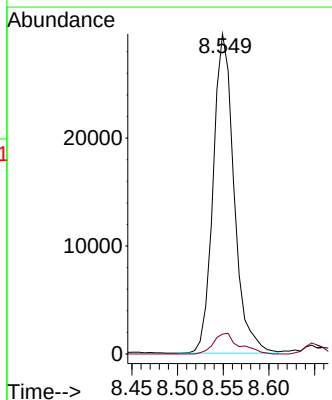
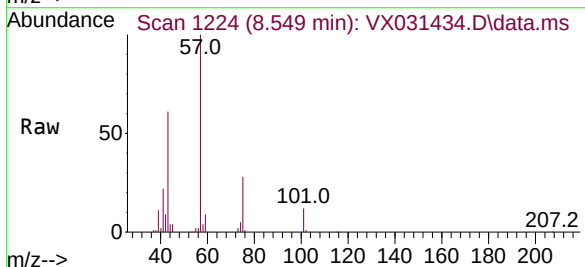
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

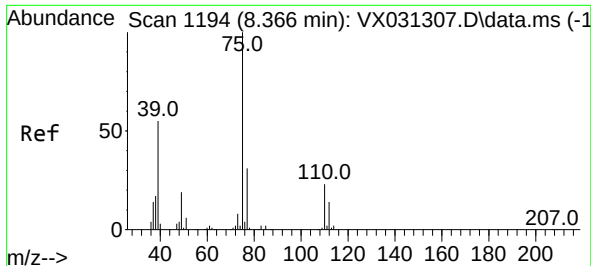
Tgt Ion: 98 Resp: 169710
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 16.936 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion: 43 Resp: 47132
Ion Ratio Lower Upper
43 100
58 7.8 30.6 46.0#

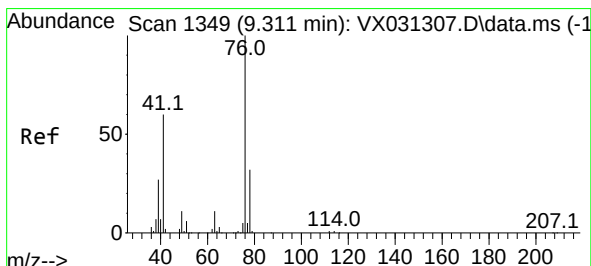
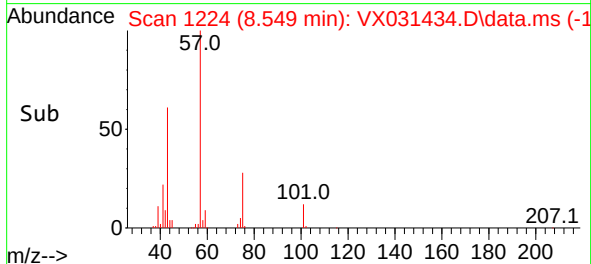
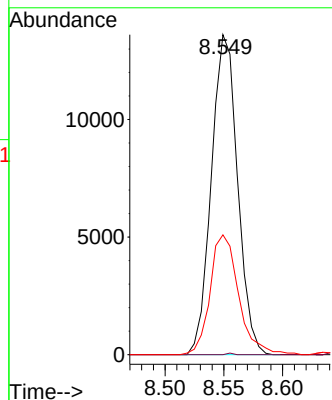
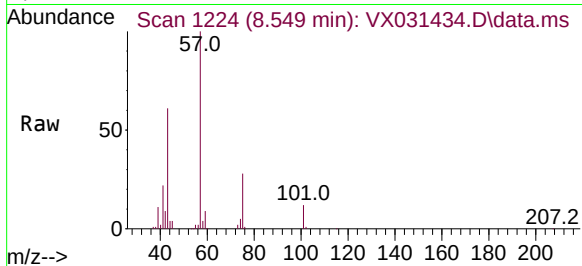




#54
 cis-1,3-Dichloropropene
 Concen: 7.706 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031434.D
 Acq: 17 Sep 2022 00:59

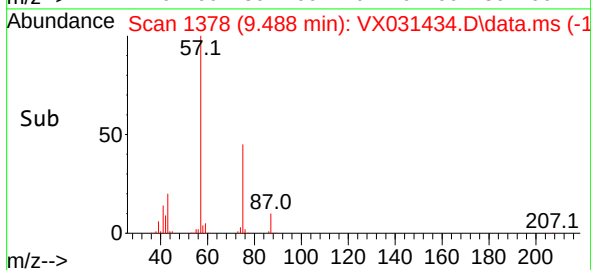
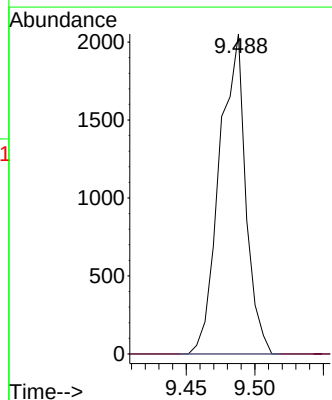
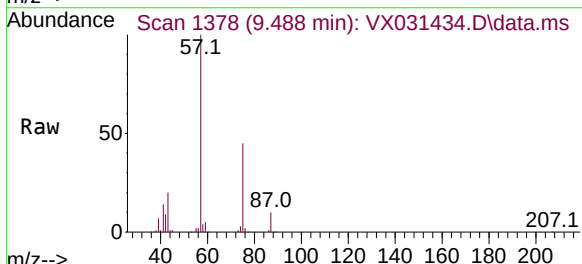
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#03

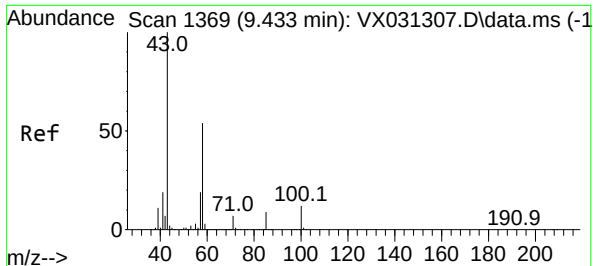
Tgt Ion: 75 Resp: 21093
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#
 39 37.5 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 0.971 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX031434.D
 Acq: 17 Sep 2022 00:59

Tgt Ion: 76 Resp: 2731
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 17.880 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

Instrument :

MSVOA_X

ClientSampleId :

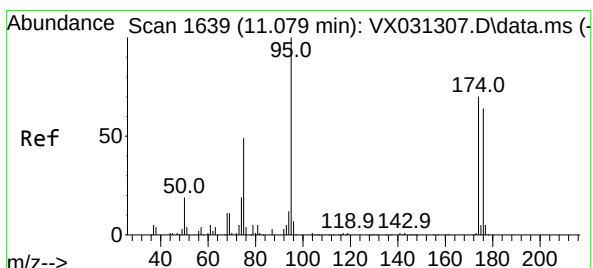
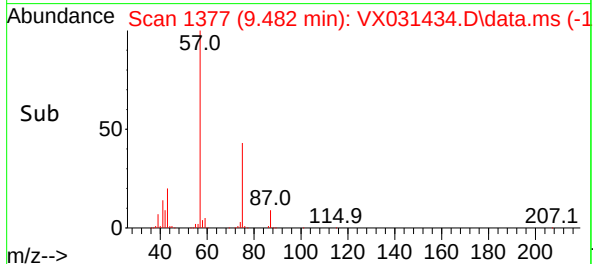
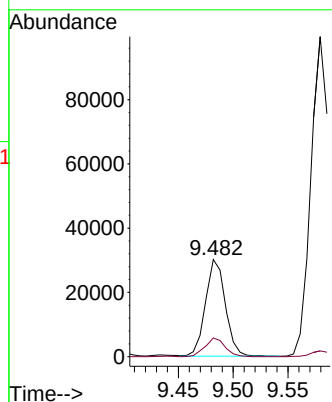
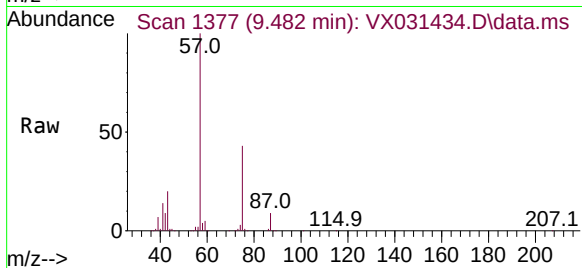
PB147603ZHE#03

Tgt Ion: 43 Resp: 37978

Ion Ratio Lower Upper

43 100

58 19.6 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 27.201 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031434.D

Acq: 17 Sep 2022 00:59

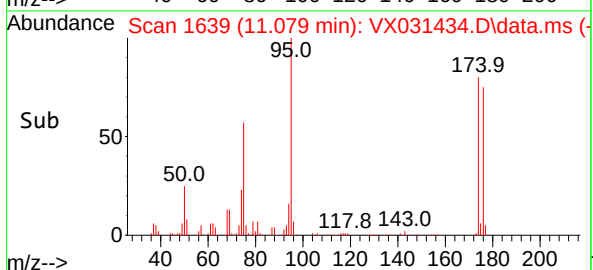
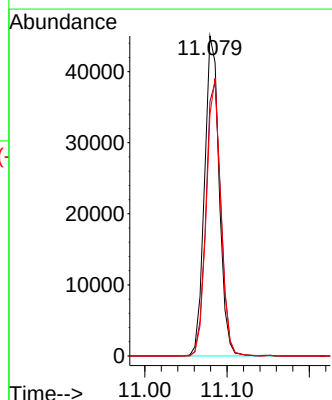
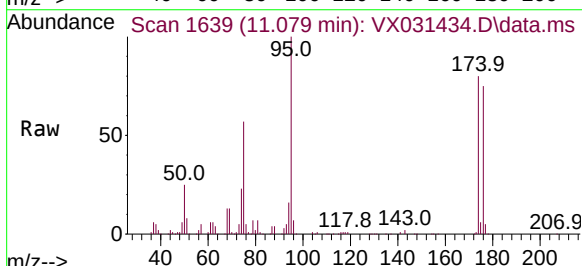
Tgt Ion: 95 Resp: 55719

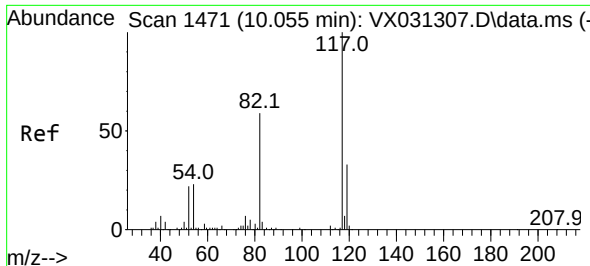
Ion Ratio Lower Upper

95 100

174 87.6 0.0 153.2

176 85.2 0.0 144.0

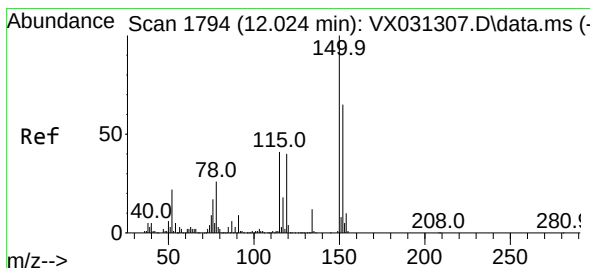
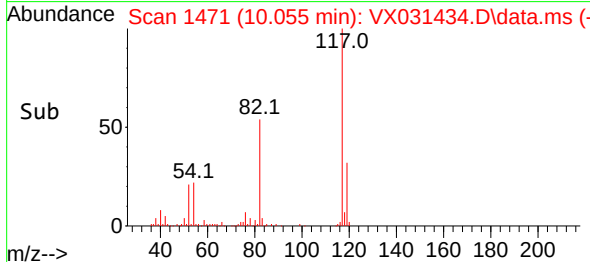
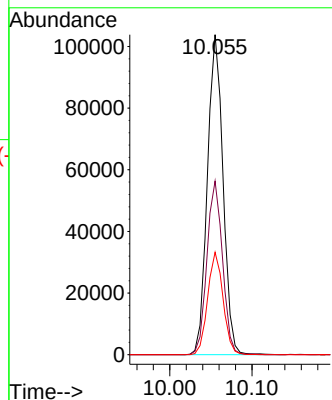
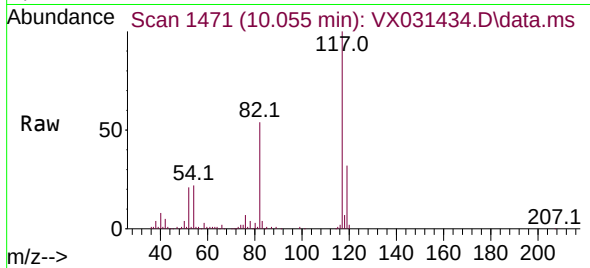




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

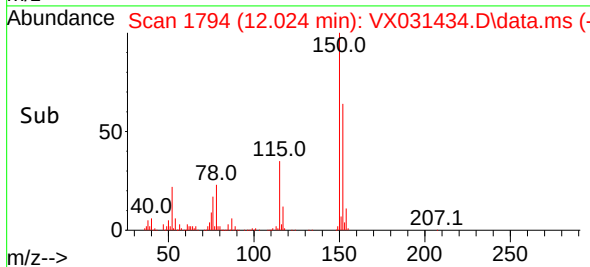
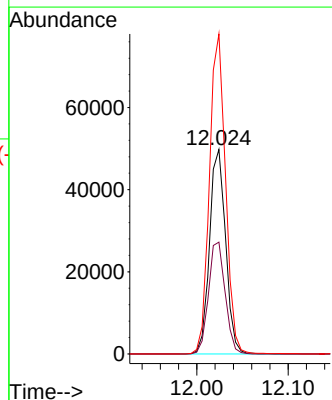
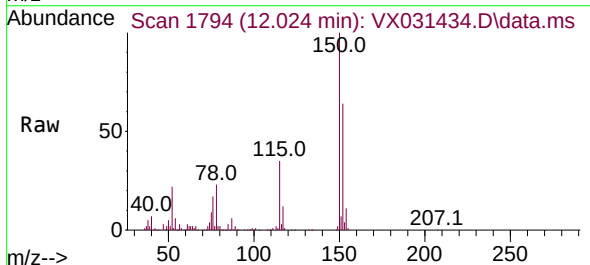
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

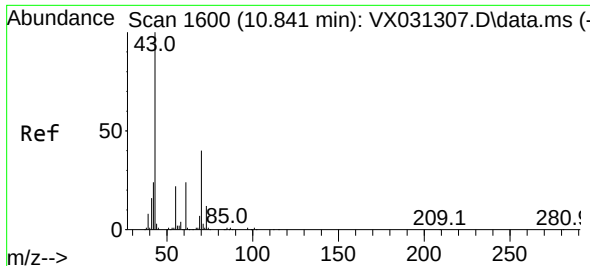
Tgt Ion:117 Resp: 136954
Ion Ratio Lower Upper
117 100
82 54.2 46.8 70.2
119 32.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion:152 Resp: 60798
Ion Ratio Lower Upper
152 100
115 56.6 43.4 130.1
150 156.2 0.0 346.8

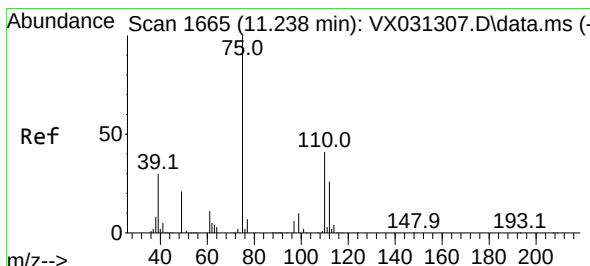
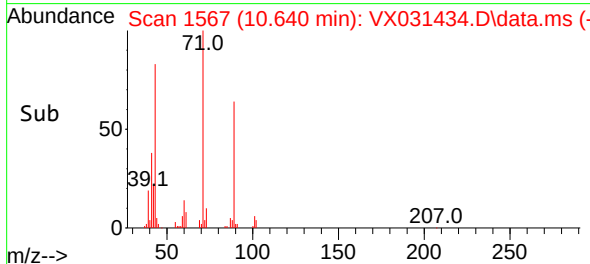
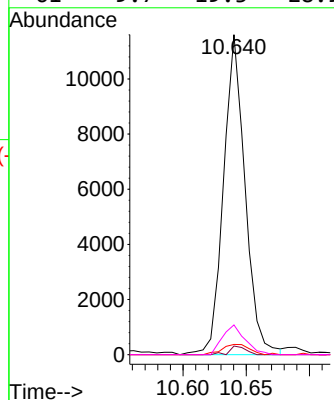
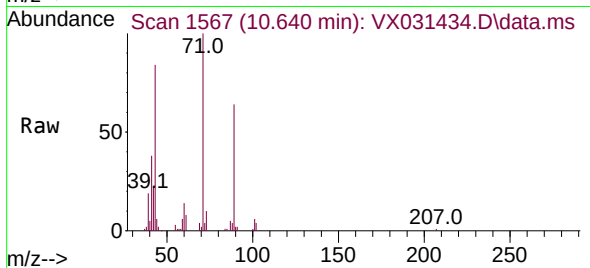




#74
N-amy1 acetate
Concen: 6.167 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

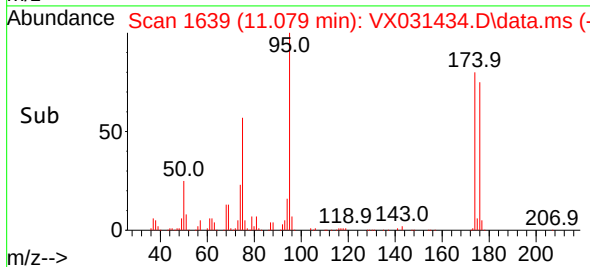
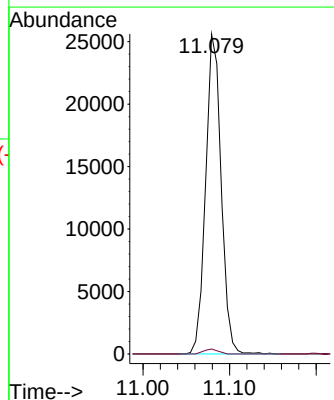
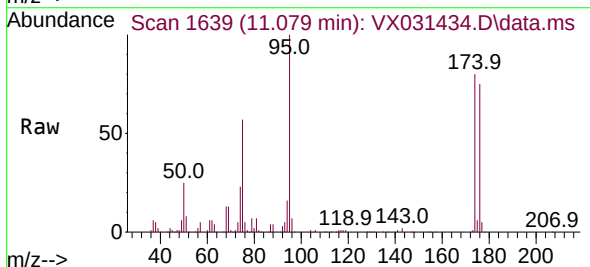
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#03

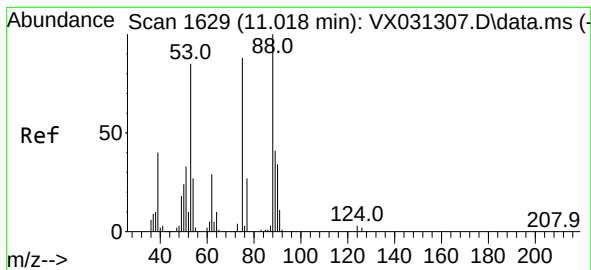
Tgt Ion: 43	Resp: 13768
Ion Ratio	Lower Upper
43 100	
70 2.0	33.4 50.2#
55 4.2	18.2 27.2#
61 9.7	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 20.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031434.D
Acq: 17 Sep 2022 00:59

Tgt Ion: 75	Resp: 31856
Ion Ratio	Lower Upper
75 100	
77 1.4	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.532 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031434.D
 Acq: 17 Sep 2022 00:59

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#03

Tgt Ion: 75 Resp: 31856
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

