

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031438.D
 Acq On : 17 Sep 2022 02:32
 Operator : JC/MD
 Sample : PB147603ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#07

Quant Time: Sep 17 04:30:06 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)

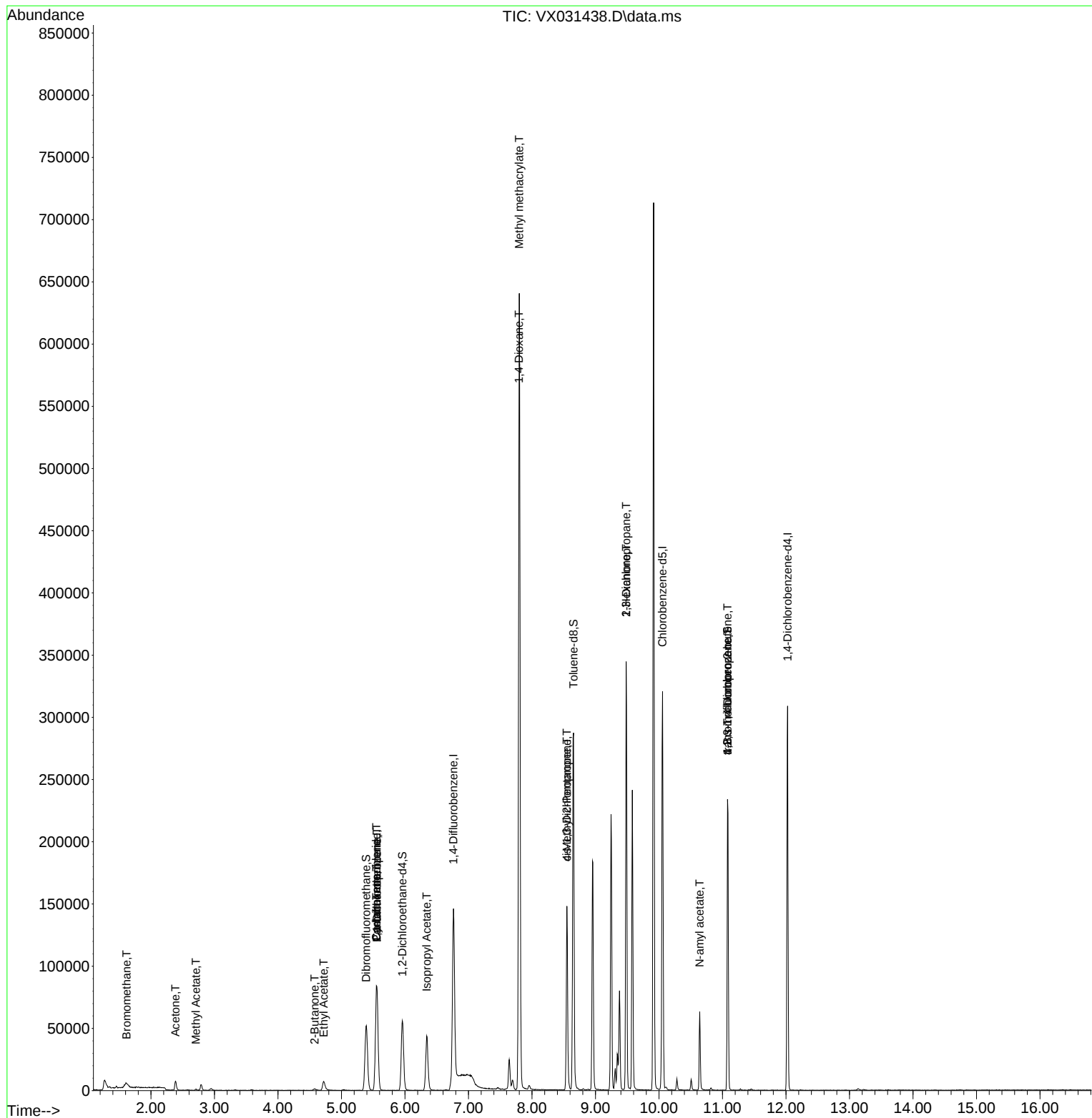
Internal Standards						
1) Pentafluorobenzene	5.556	168	82622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50934	25.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	50.240%#		
35) Dibromofluoromethane	5.385	113	43261	29.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	58.440%#		
50) Toluene-d8	8.653	98	167346	30.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	60.260%#		
62) 4-Bromofluorobenzene	11.079	95	54239	26.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	53.340%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	259	Below Cal	#	41
5) Bromomethane	1.618	94	363	0.335	ug/l #	66
11) Tert butyl alcohol	2.941	59	936	Below Cal	#	73
16) Acetone	2.386	43	8550	9.876	ug/l	96
18) Methyl Acetate	2.709	43	1170	0.456	ug/l #	83
20) Methylene Chloride	2.794	84	2120	Below Cal	#	79
21) trans-1,2-Dichloroethene	2.849	96	20	Below Cal	#	1
25) 2-Butanone	4.574	43	1531	1.072	ug/l	91
31) Cyclohexane	5.550	56	2047	0.940	ug/l #	45
36) 1,1-Dichloropropene	5.556	75	6868	3.389	ug/l #	49
37) Ethyl Acetate	4.721	43	13050	4.901	ug/l	96
38) Carbon Tetrachloride	5.550	117	8315	3.775	ug/l #	16
43) Isopropyl Acetate	6.342	43	59051	12.991	ug/l	100
48) Methyl methacrylate	7.799	41	56116	27.120	ug/l #	47
49) 1,4-Dioxane	7.793	88	29	0.699	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	48898	17.698	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	22363	8.229	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	3027	1.084	ug/l #	43
59) 2-Hexanone	9.482	43	38348	18.185	ug/l #	52
74) N-amyl acetate	10.640	43	15271	7.015	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	30873	20.664	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30873	57.178	ug/l #	11

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

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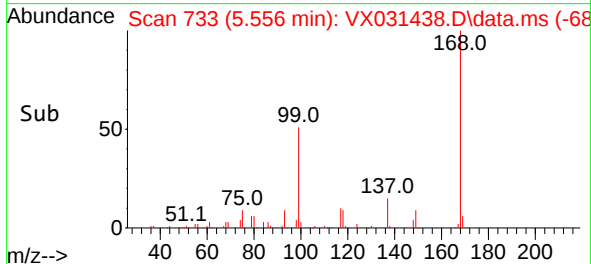
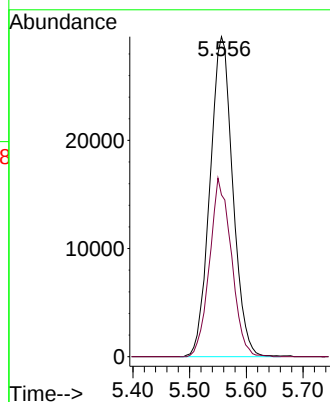
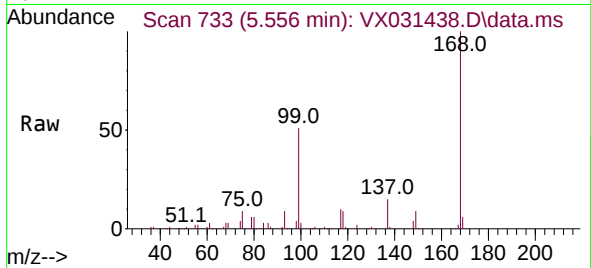




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

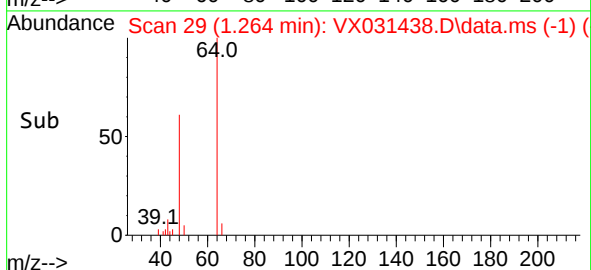
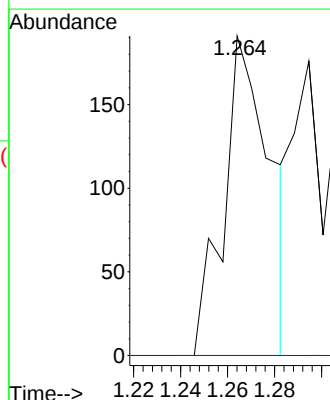
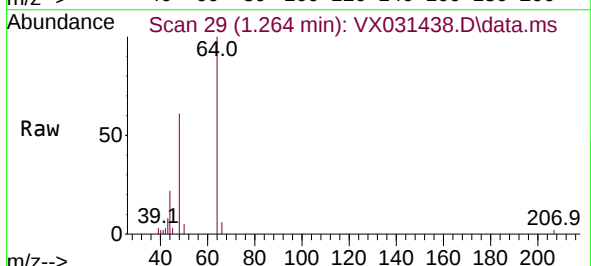
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

Tgt Ion:168 Resp: 82622
Ion Ratio Lower Upper
168 100
99 50.5 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.264 min Scan# 29
Delta R.T. -0.024 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 50 Resp: 259
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

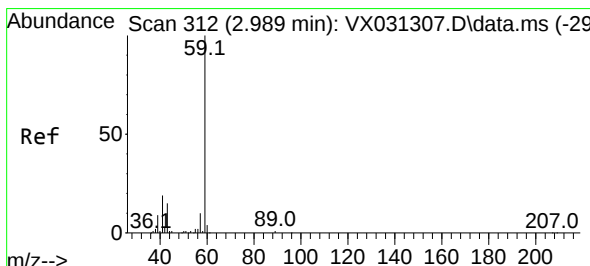
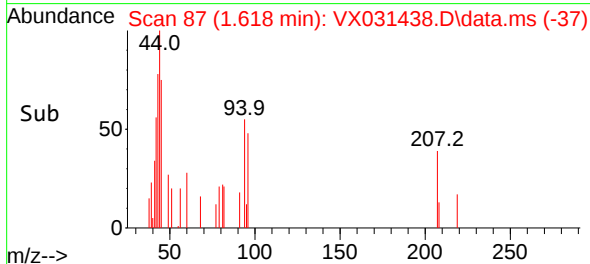
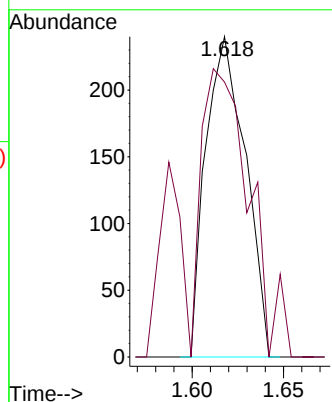
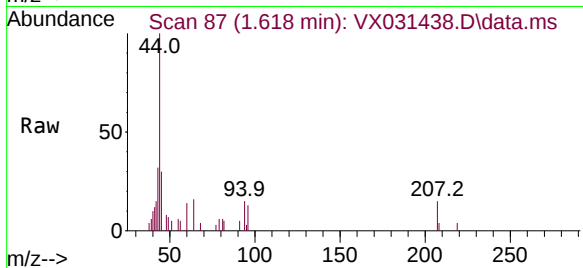




#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

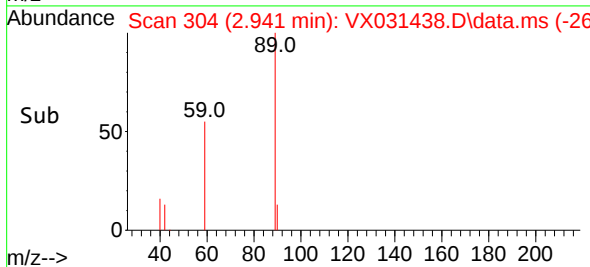
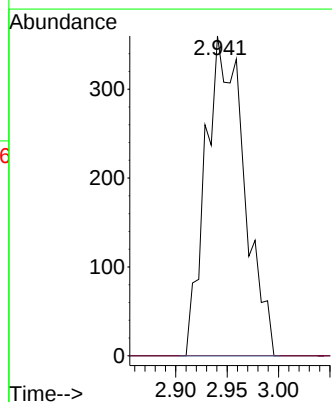
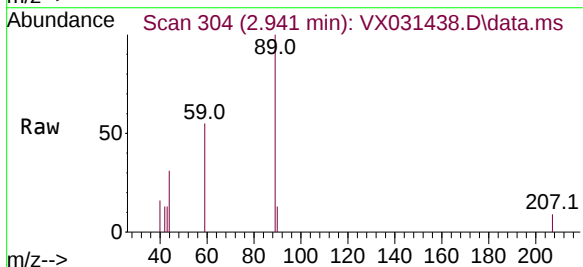
Instrument :
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ClientSampleId :
PB147603ZHE#07

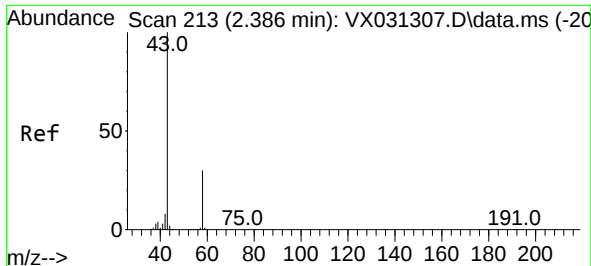
Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 60.0 74.4 111.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 59 Resp: 936
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

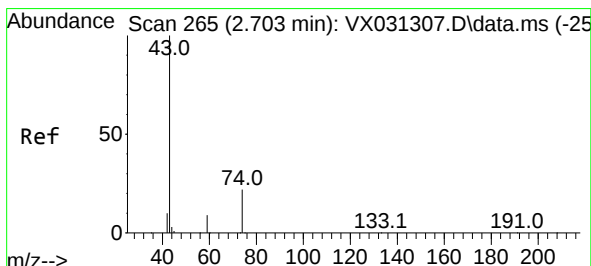
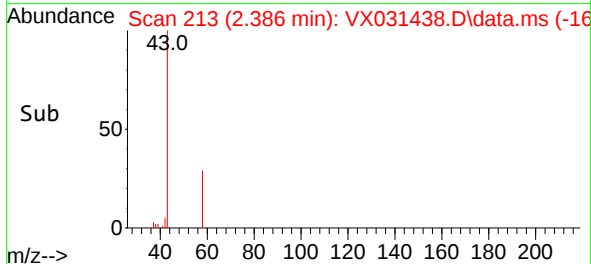
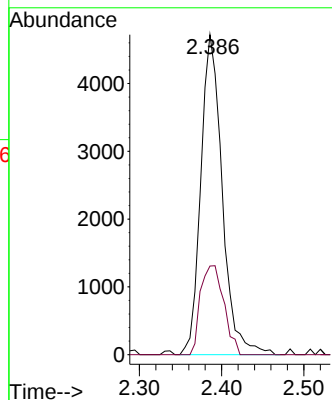
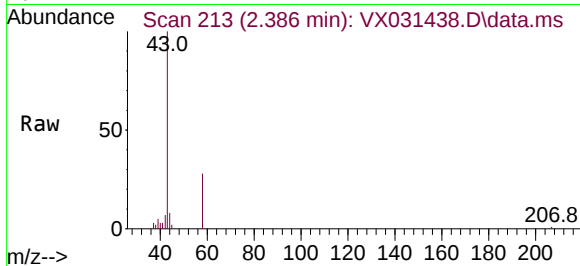




#16
Acetone
Concen: 9.876 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

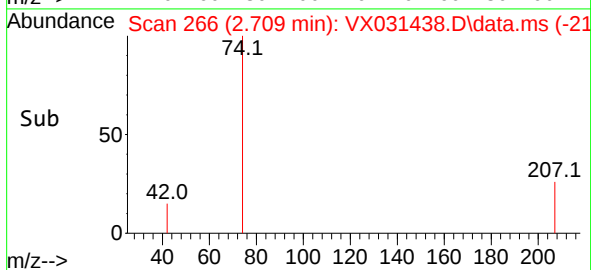
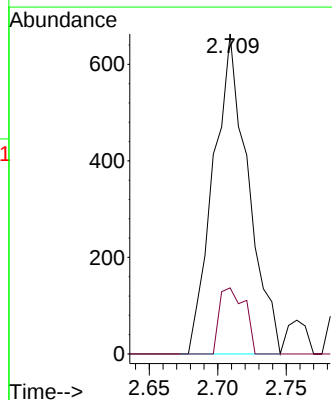
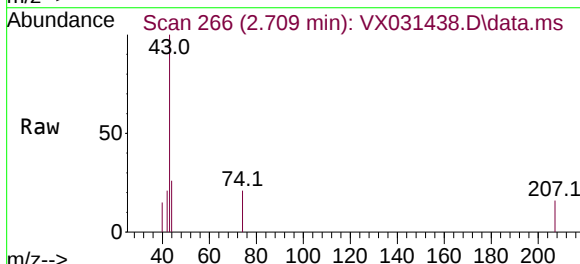
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

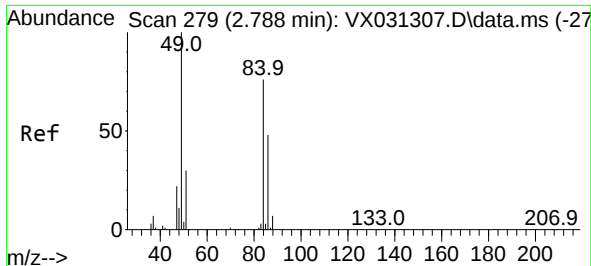
Tgt Ion: 43 Resp: 8550
Ion Ratio Lower Upper
43 100
58 27.7 23.8 35.8



#18
Methyl Acetate
Concen: 0.456 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
74 15.0 18.6 27.8#

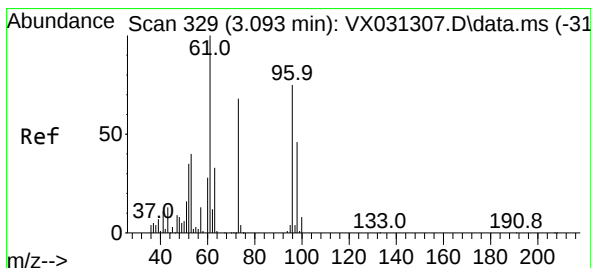
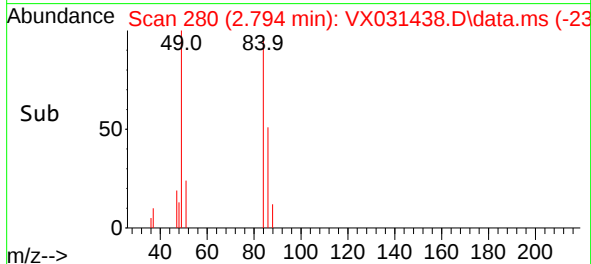
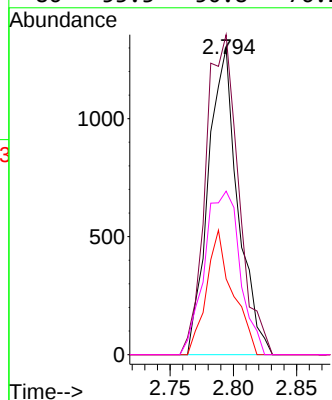
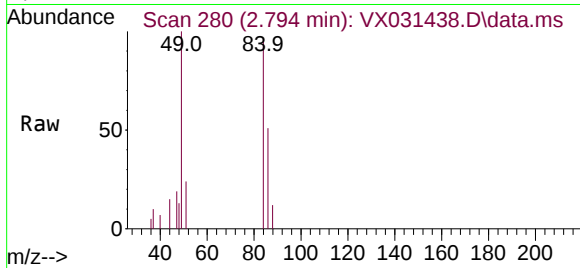




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

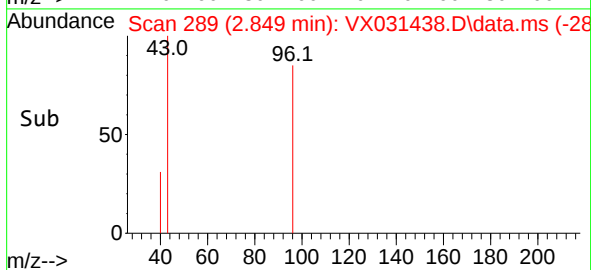
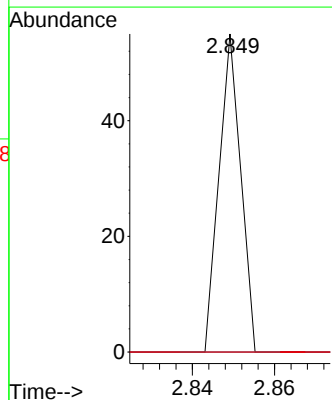
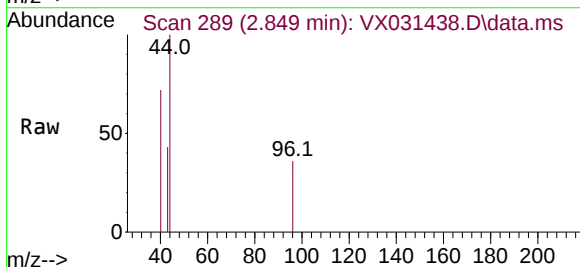
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

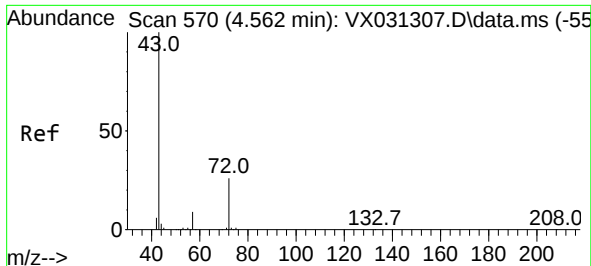
Tgt Ion: 84 Resp: 2120
Ion Ratio Lower Upper
84 100
49 104.2 105.9 158.9#
51 24.7 32.2 48.2#
86 53.3 50.8 76.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.849 min Scan# 289
Delta R.T. -0.244 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 96 Resp: 20
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#

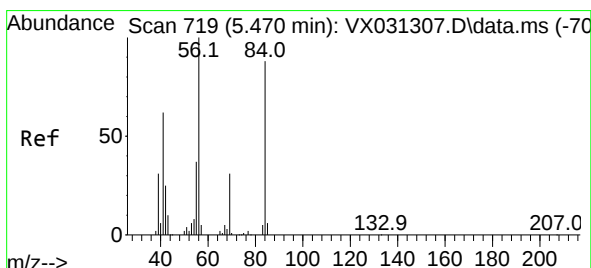
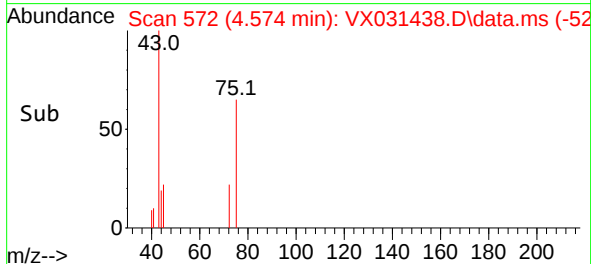
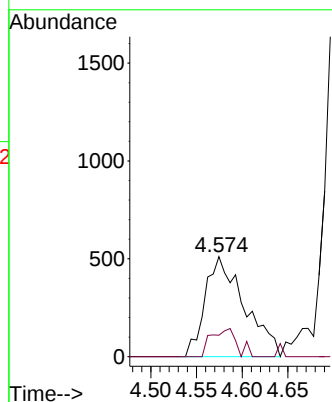
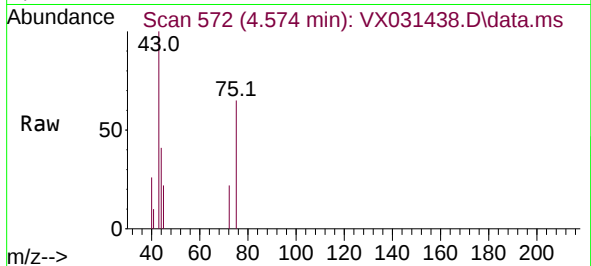




#25
2-Butanone
Concen: 1.072 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

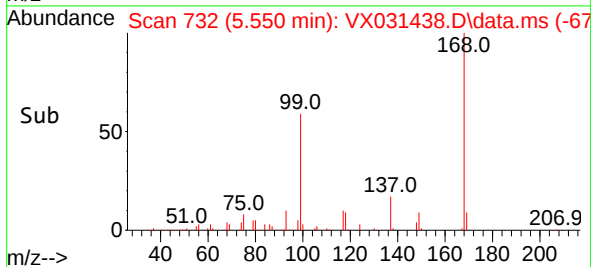
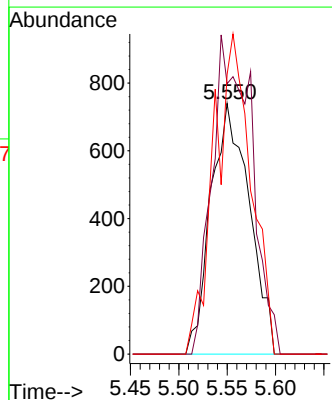
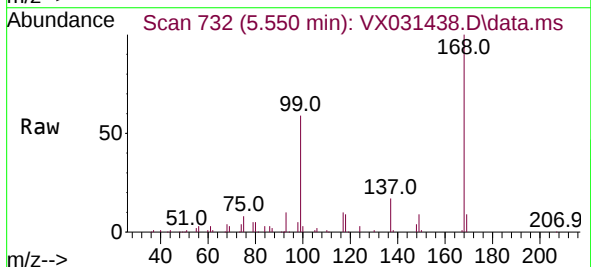
Instrument :
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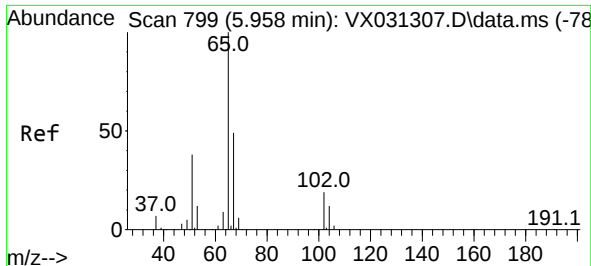
Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
72 21.5 21.1 31.7



#31
Cyclohexane
Concen: 0.940 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 56 Resp: 2047
Ion Ratio Lower Upper
56 100
69 107.8 25.1 37.7#
84 111.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 25.116 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

Instrument :

MSVOA_X

ClientSampleId :

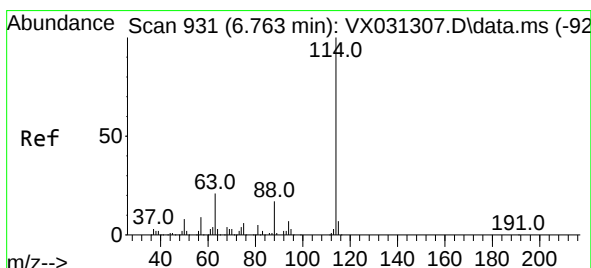
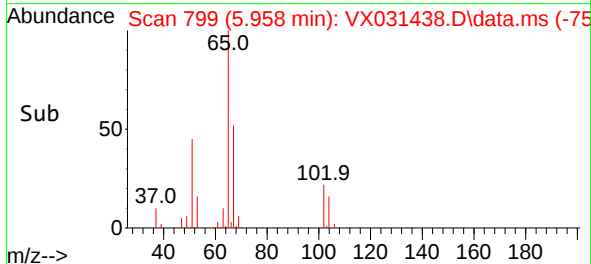
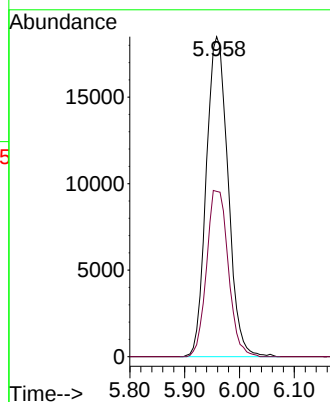
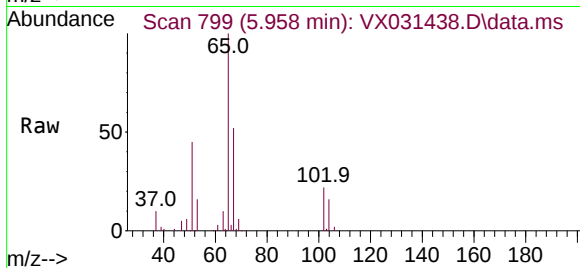
PB147603ZHE#07

Tgt Ion: 65 Resp: 50934

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: VX031438.D

Acq: 17 Sep 2022 02:32

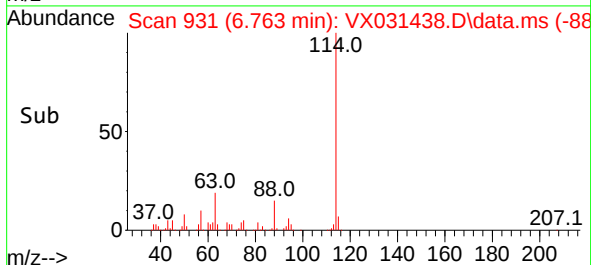
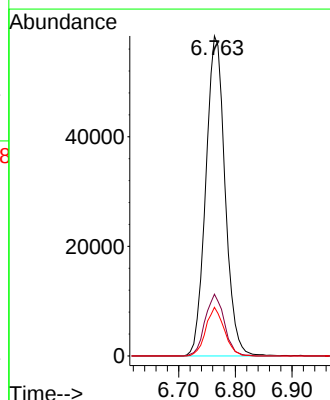
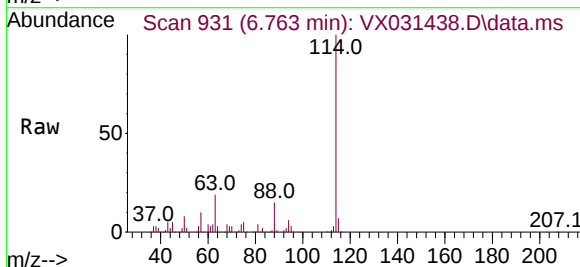
Tgt Ion: 114 Resp: 137727

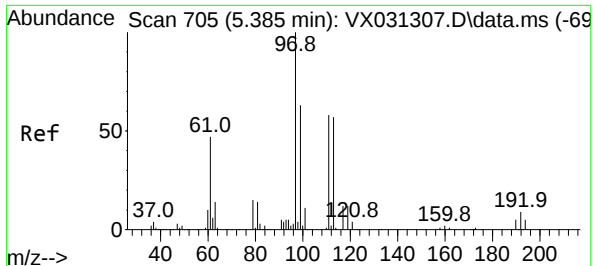
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 15.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 29.221 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#07

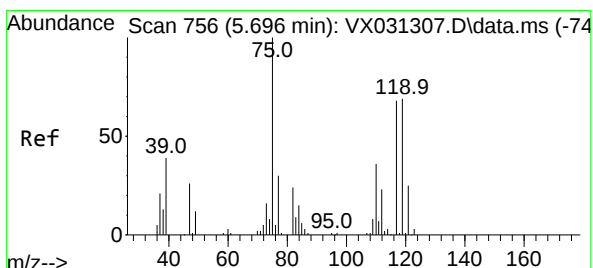
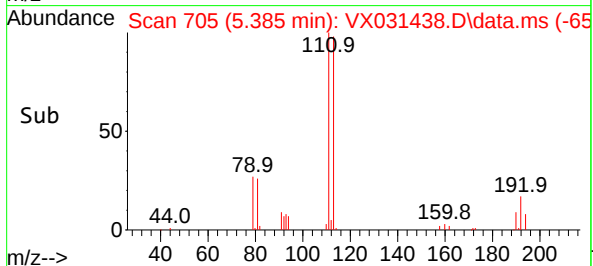
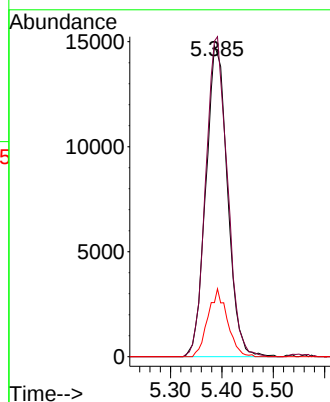
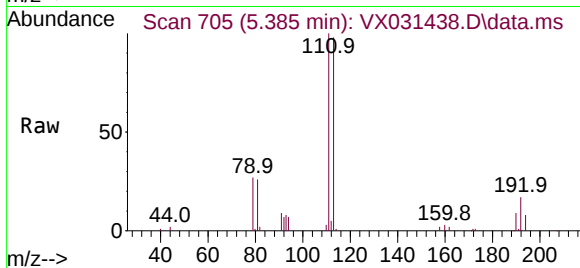
Tgt Ion:113 Resp: 43261

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

192 19.6 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.389 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

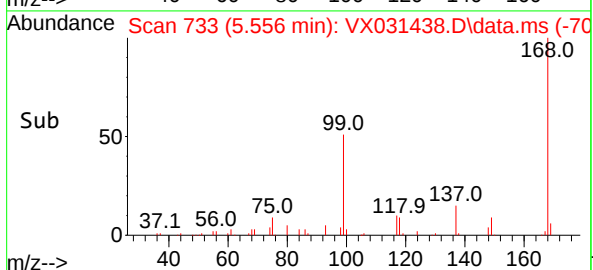
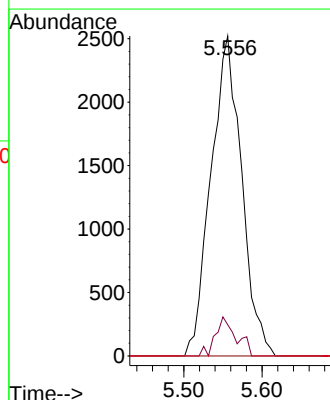
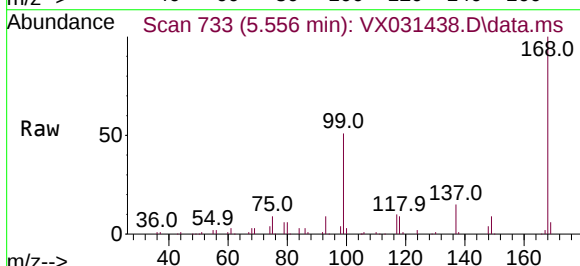
Tgt Ion: 75 Resp: 6868

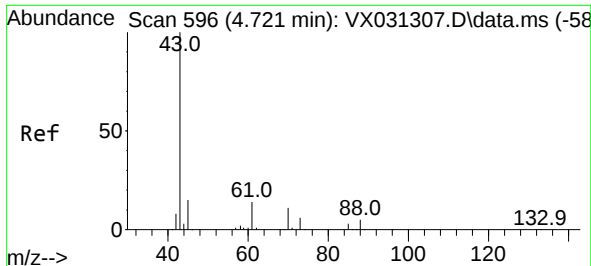
Ion Ratio Lower Upper

75 100

110 8.2 17.5 52.5#

77 0.0 24.9 37.3#

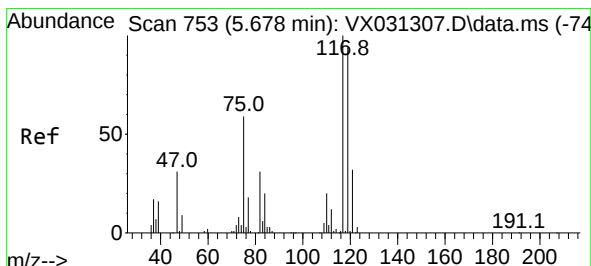
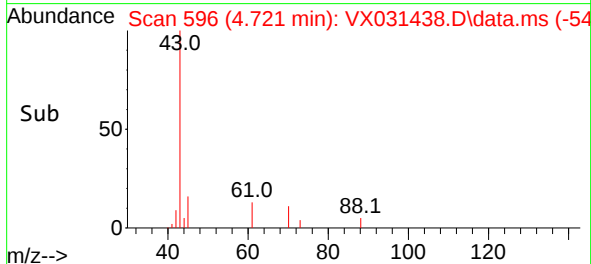
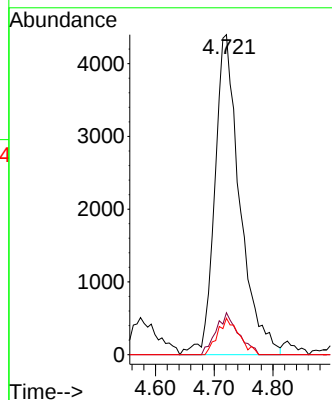
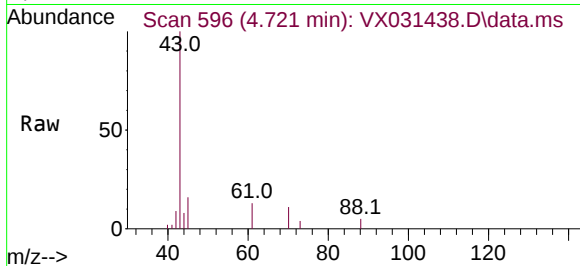




#37
Ethyl Acetate
Concen: 4.901 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

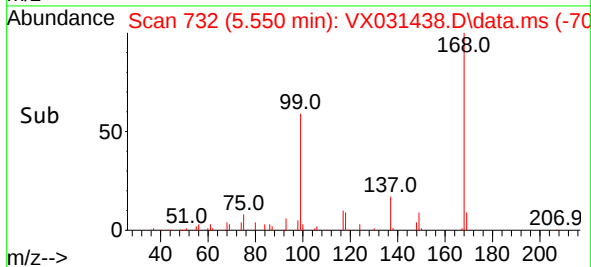
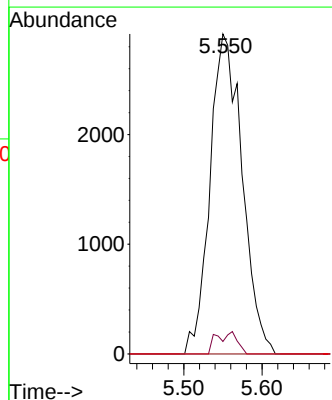
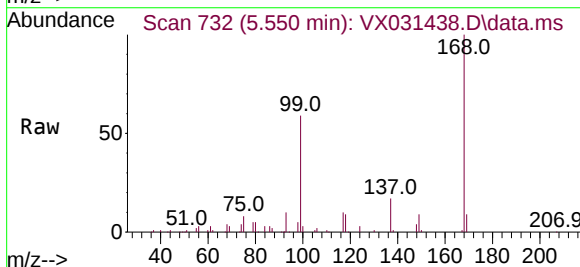
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

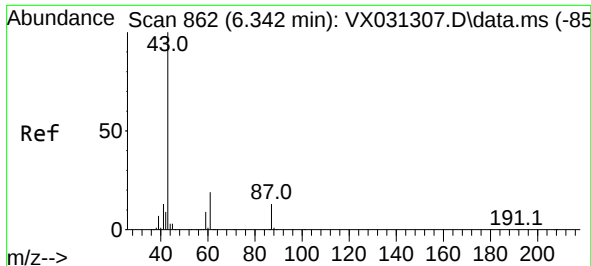
Tgt Ion:	43	Resp:	13050
Ion	Ratio	Lower	Upper
43	100		
61	11.7	11.1	16.7
70	9.7	8.6	13.0



#38
Carbon Tetrachloride
Concen: 3.775 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion:	117	Resp:	8315
Ion	Ratio	Lower	Upper
117	100		
119	3.9	74.6	112.0#
121	0.0	25.3	37.9#

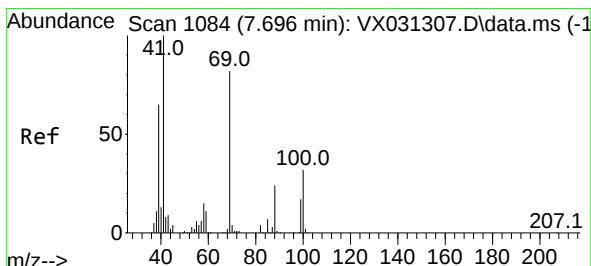
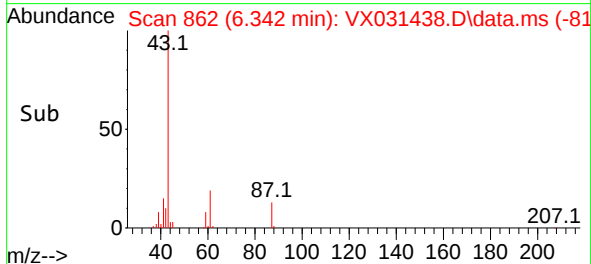
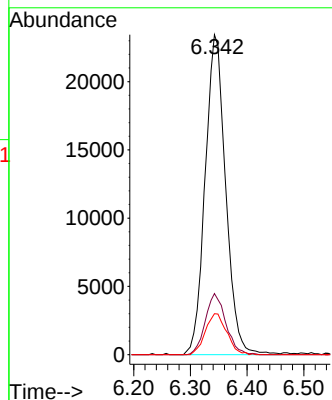
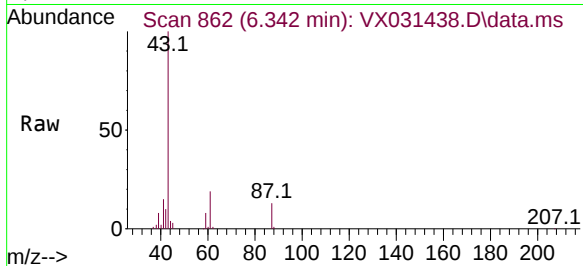




#43
Isopropyl Acetate
Concen: 12.991 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

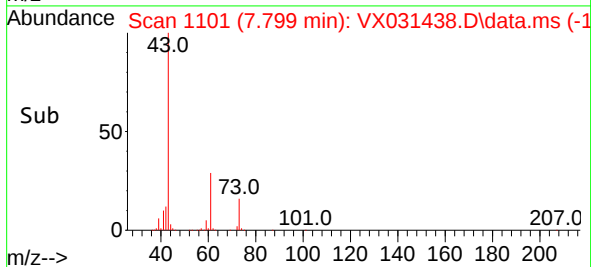
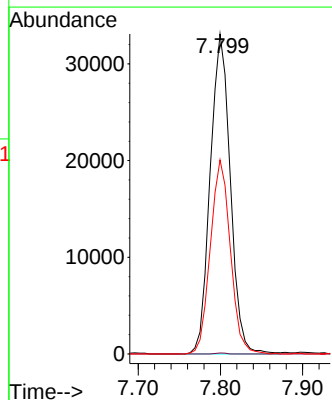
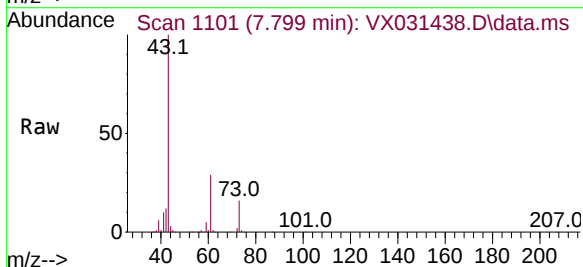
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

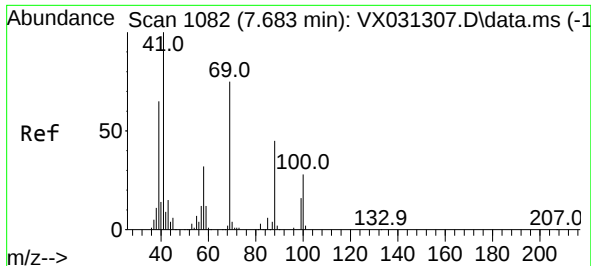
Tgt Ion:	43	Resp:	59051
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	13.3	10.6	15.8



#48
Methyl methacrylate
Concen: 27.120 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion:	41	Resp:	56116
Ion	Ratio	Lower	Upper
41	100		
69	0.2	64.6	96.8#
39	60.4	51.4	77.0

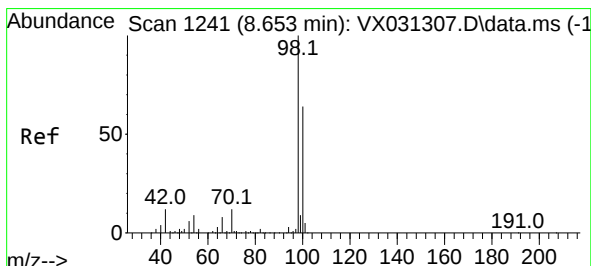
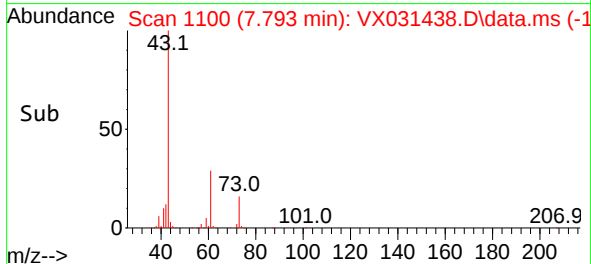
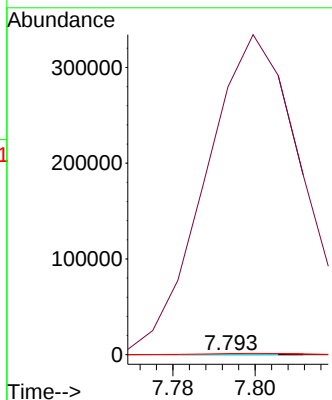
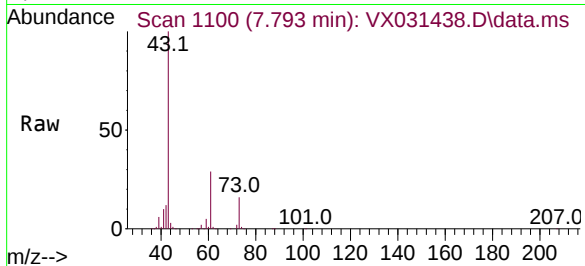




#49
1,4-Dioxane
Concen: 0.699 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

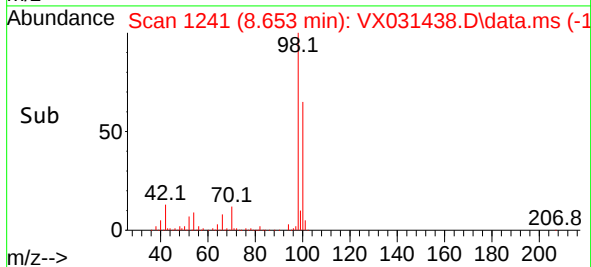
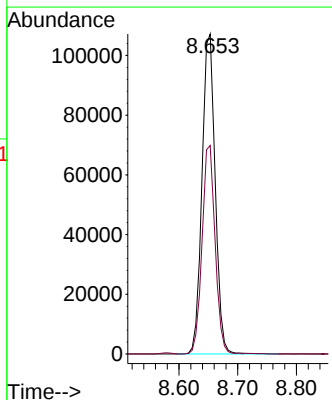
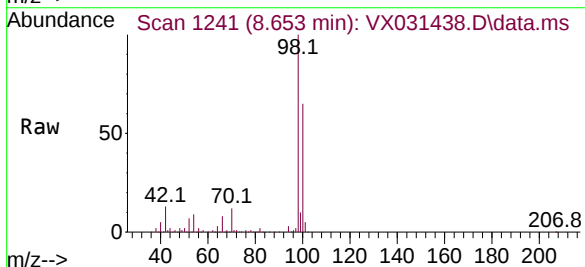
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

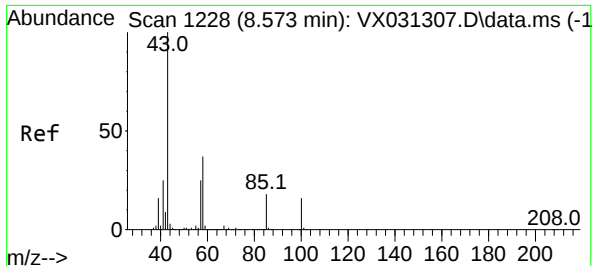
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 1937327.6 27.1 40.7#
58 8417.2 53.9 80.9#



#50
Toluene-d8
Concen: 30.134 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 98 Resp: 167346
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 17.698 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

Instrument :

MSVOA_X

ClientSampleId :

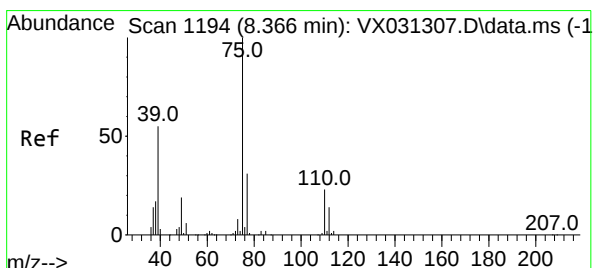
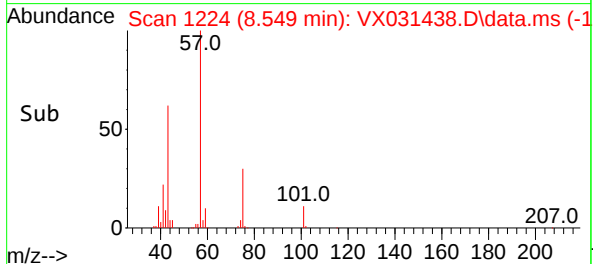
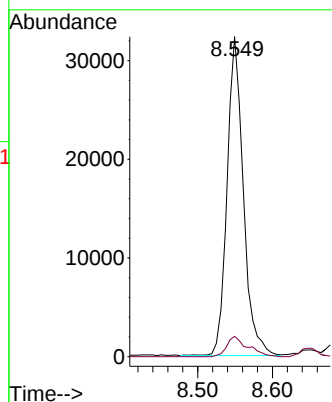
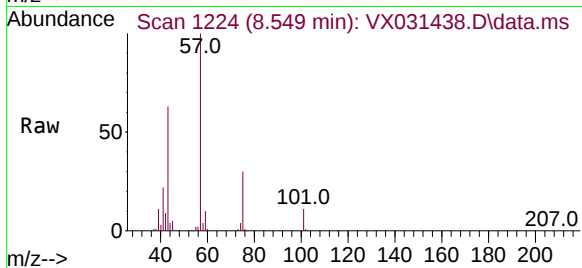
PB147603ZHE#07

Tgt Ion: 43 Resp: 48898

Ion Ratio Lower Upper

43 100

58 8.2 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 8.229 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

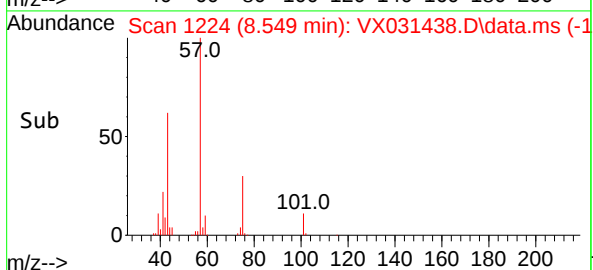
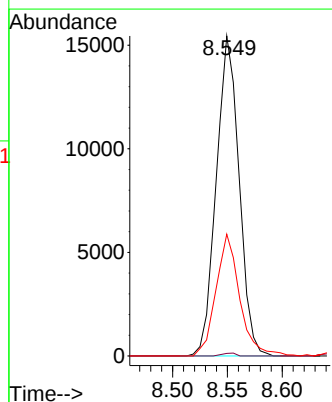
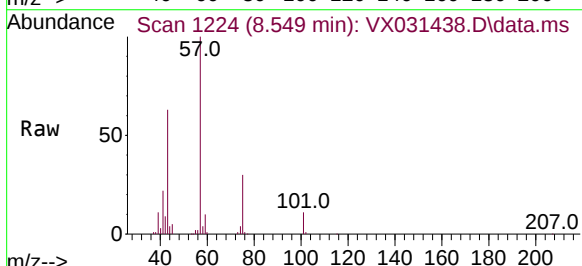
Tgt Ion: 75 Resp: 22363

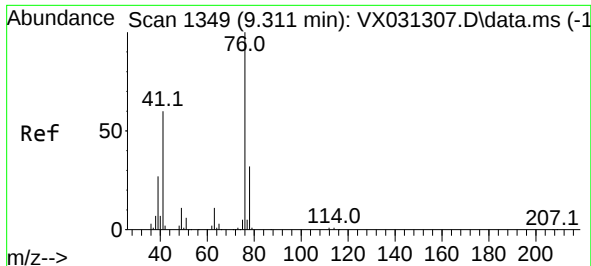
Ion Ratio Lower Upper

75 100

77 0.8 24.4 36.6#

39 38.1 43.7 65.5#





#57

1,3-Dichloropropane

Concen: 1.084 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

Instrument :

MSVOA_X

ClientSampleId :

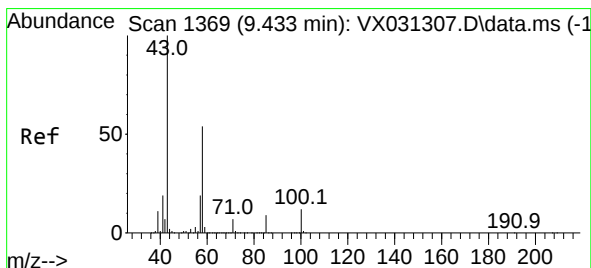
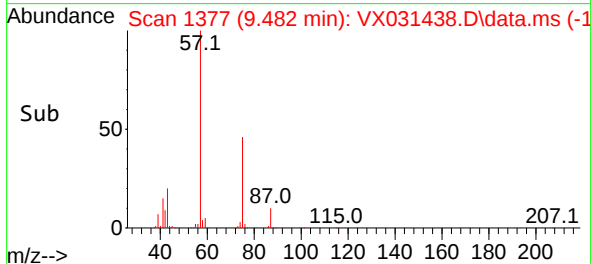
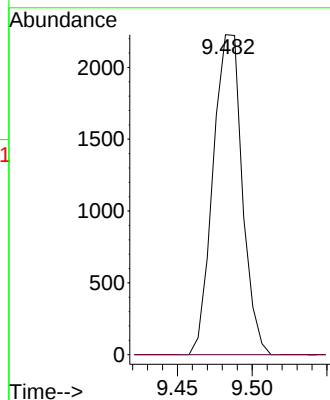
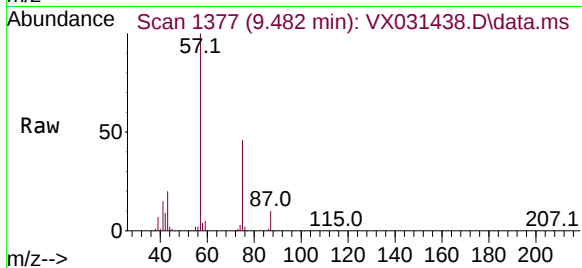
PB147603ZHE#07

Tgt Ion: 76 Resp: 3027

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 18.185 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031438.D

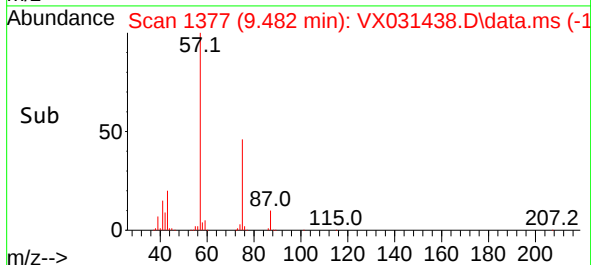
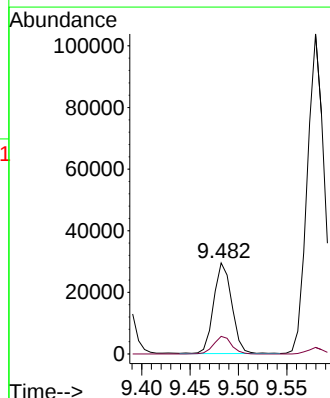
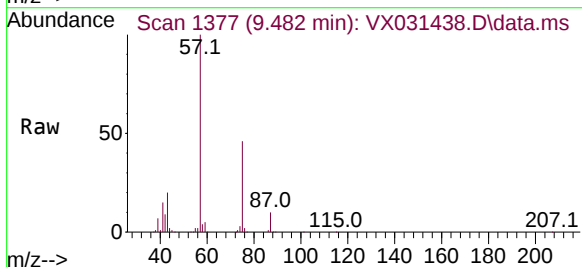
Acq: 17 Sep 2022 02:32

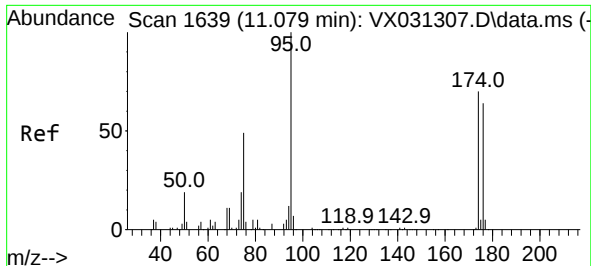
Tgt Ion: 43 Resp: 38348

Ion Ratio Lower Upper

43 100

58 19.2 26.7 80.0#

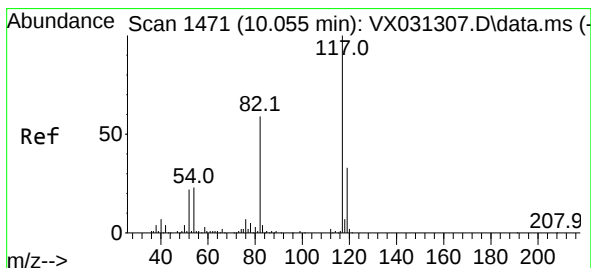
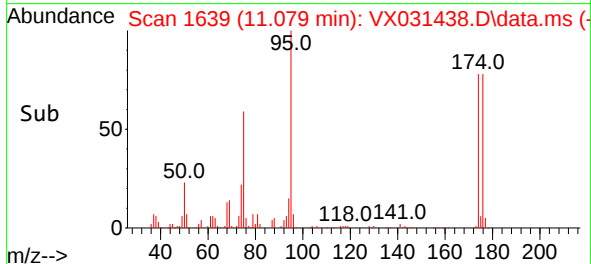
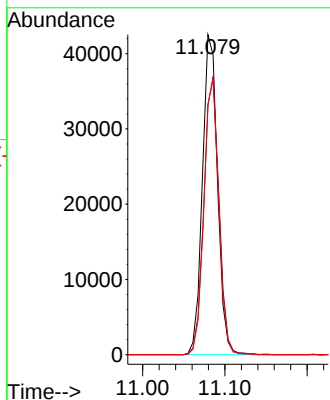
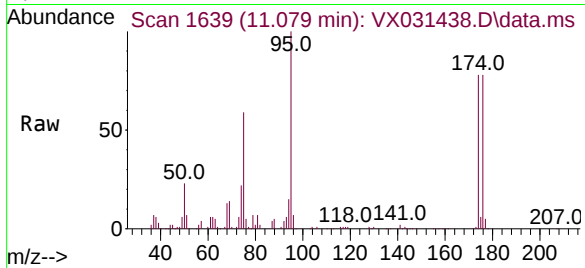




#62
4-Bromofluorobenzene
Concen: 26.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

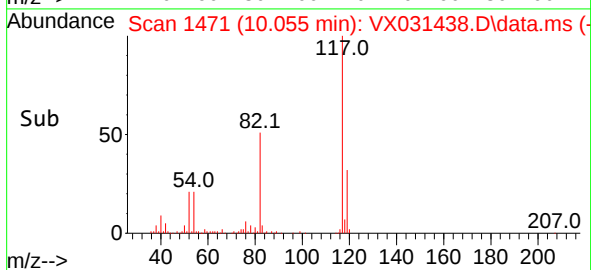
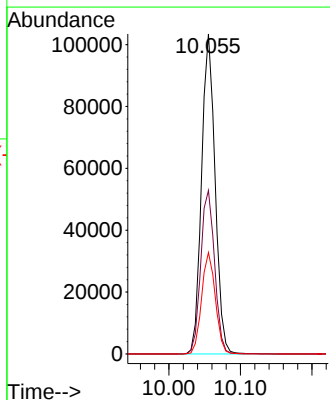
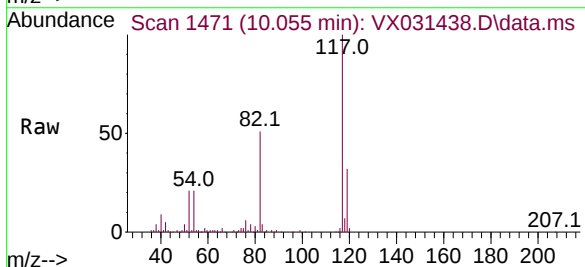
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#07

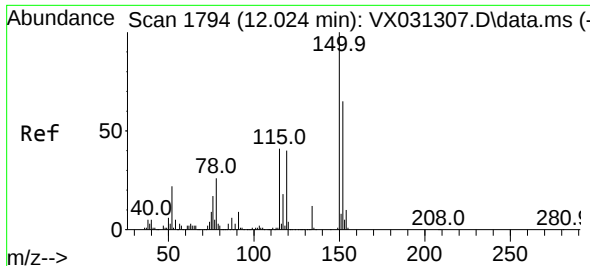
Tgt Ion: 95 Resp: 54239
Ion Ratio Lower Upper
95 100
174 87.1 0.0 153.2
176 84.7 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031438.D
Acq: 17 Sep 2022 02:32

Tgt Ion: 117 Resp: 136212
Ion Ratio Lower Upper
117 100
82 51.1 46.8 70.2
119 31.7 26.4 39.6

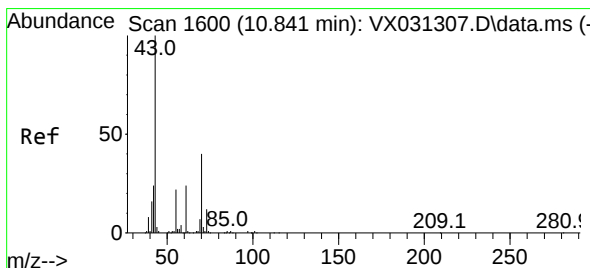
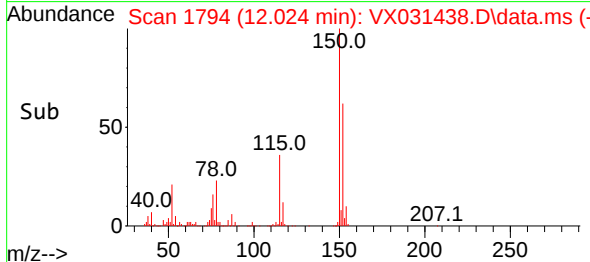
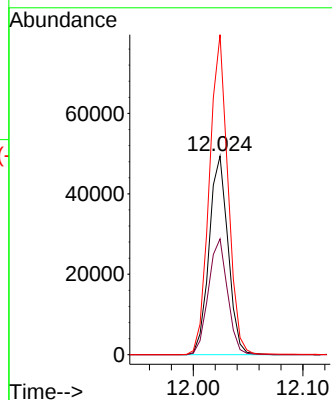
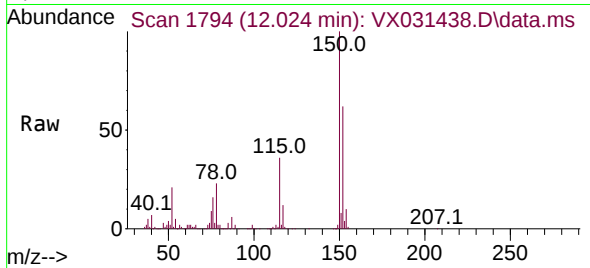




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031438.D
 Acq: 17 Sep 2022 02:32

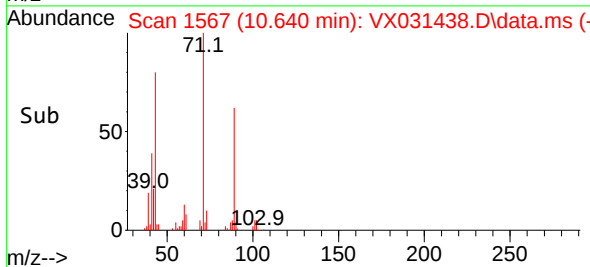
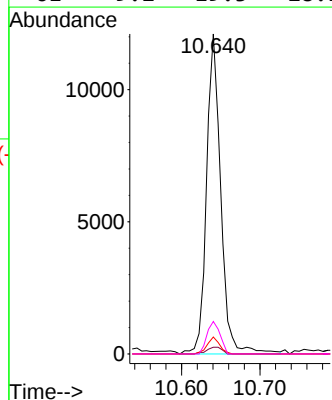
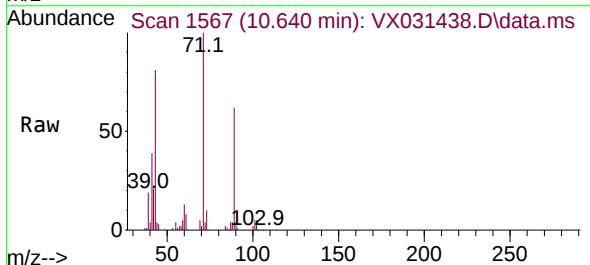
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#07

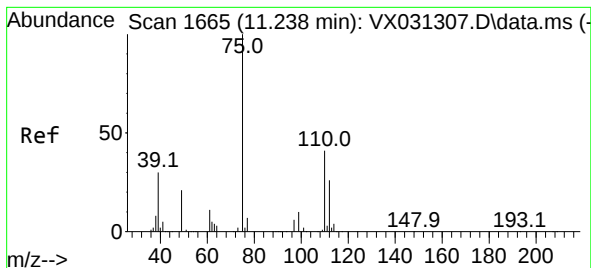
Tgt Ion:152 Resp: 59287
 Ion Ratio Lower Upper
 152 100
 115 58.9 43.4 130.1
 150 158.2 0.0 346.8



#74
 N-ethyl acetate
 Concen: 7.015 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX031438.D
 Acq: 17 Sep 2022 02:32

Tgt Ion: 43 Resp: 15271
 Ion Ratio Lower Upper
 43 100
 70 2.3 33.4 50.2#
 55 4.6 18.2 27.2#
 61 9.2 19.3 28.9#





#76

1,2,3-Trichloropropane

Concen: 20.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

Instrument :

MSVOA_X

ClientSampleId :

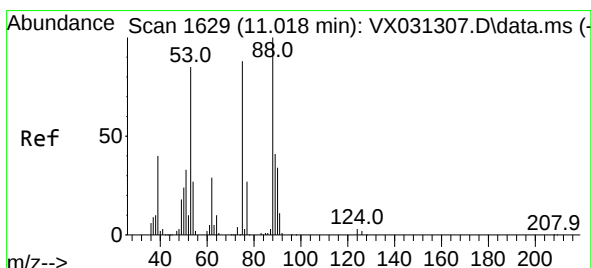
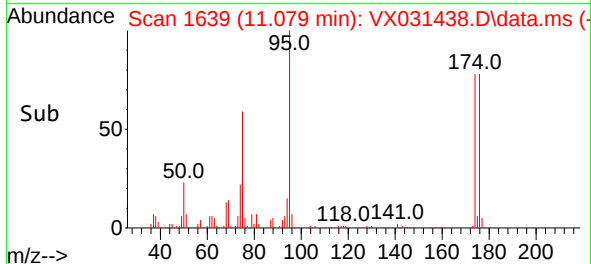
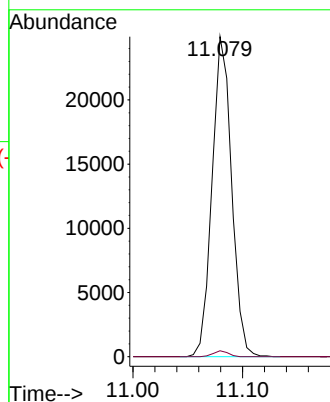
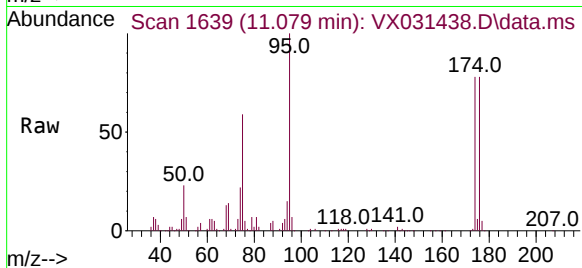
PB147603ZHE#07

Tgt Ion: 75 Resp: 30873

Ion Ratio Lower Upper

75 100

77 1.4 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.178 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031438.D

Acq: 17 Sep 2022 02:32

Tgt Ion: 75 Resp: 30873

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.4 56.0#

