

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031445.D
 Acq On : 17 Sep 2022 05:15
 Operator : JC/MD
 Sample : PB147603ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#14

Quant Time: Sep 17 05:38:19 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)

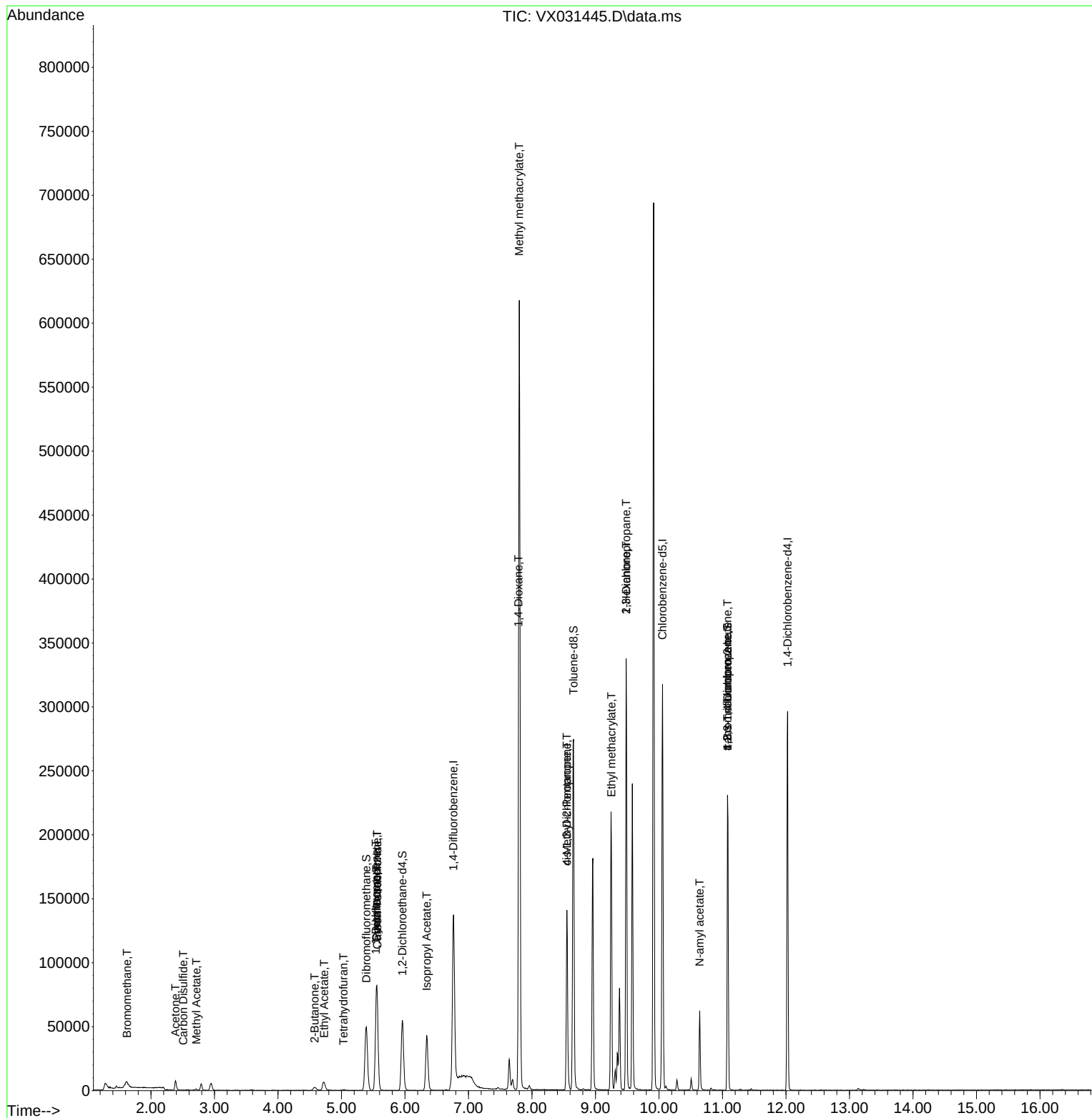
Internal Standards						
1) Pentafluorobenzene	5.556	168	79013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	133507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49423	25.484	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	50.960%#		
35) Dibromofluoromethane	5.391	113	41162	28.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	57.360%#		
50) Toluene-d8	8.653	98	163208	30.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	60.640%#		
62) 4-Bromofluorobenzene	11.079	95	53034	26.903	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	53.800%#		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	225	Below Cal	#	41
5) Bromomethane	1.624	94	266	0.257	ug/l	88
11) Tert butyl alcohol	2.947	59	3371	Below Cal	#	73
16) Acetone	2.386	43	8135	9.826	ug/l	# 85
17) Carbon Disulfide	2.508	76	48	0.897	ug/l	# 75
18) Methyl Acetate	2.715	43	1554	0.633	ug/l	98
20) Methylene Chloride	2.788	84	2178	Below Cal	#	84
21) trans-1,2-Dichloroethene	2.825	96	20	Below Cal	#	1
25) 2-Butanone	4.574	43	1656	1.213	ug/l	99
29) Tetrahydrofuran	5.032	42	511	0.604	ug/l	# 52
31) Cyclohexane	5.550	56	2023	0.971	ug/l	# 2
36) 1,1-Dichloropropene	5.544	75	6587	3.353	ug/l	# 51
37) Ethyl Acetate	4.727	43	12124	4.697	ug/l	99
38) Carbon Tetrachloride	5.562	117	7668	3.591	ug/l	# 18
43) Isopropyl Acetate	6.342	43	57526	13.056	ug/l	99
48) Methyl methacrylate	7.799	41	54262	27.053	ug/l	# 47
49) 1,4-Dioxane	7.787	88	22	0.547	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	46877	17.503	ug/l	# 50
54) cis-1,3-Dichloropropene	8.549	75	21514	8.167	ug/l	# 64
56) Ethyl methacrylate	9.250	69	514	0.202	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	2857	1.056	ug/l	# 43
59) 2-Hexanone	9.482	43	37460	18.326	ug/l	# 52
74) N-amyl acetate	10.640	43	14313	6.774	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	29914	20.628	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	29914	57.077	ug/l	# 11

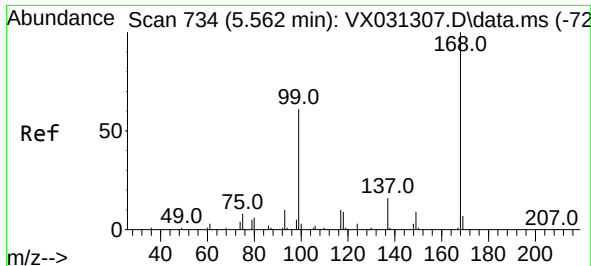
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 05:38:19 2022
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Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

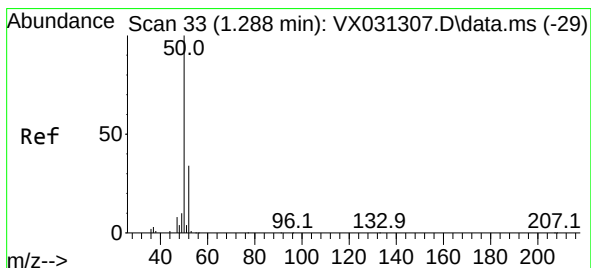
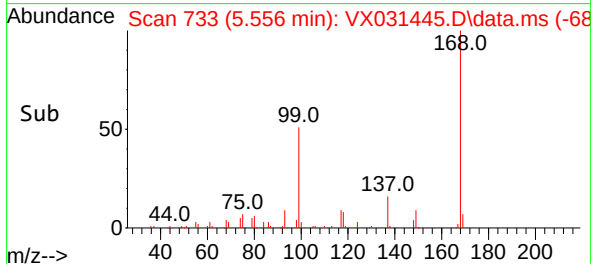
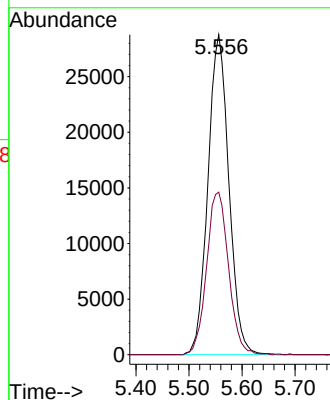
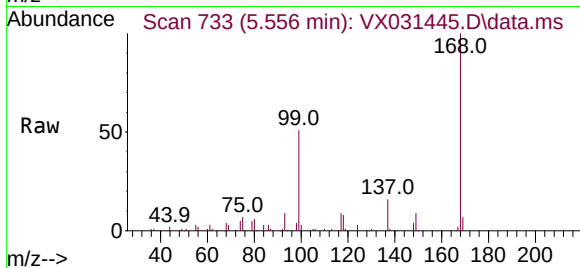




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

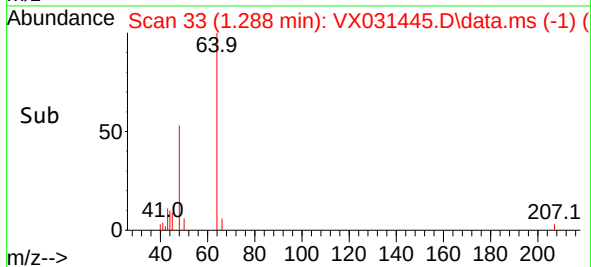
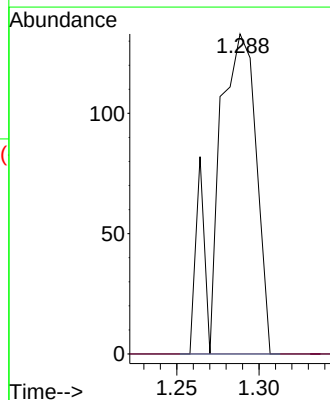
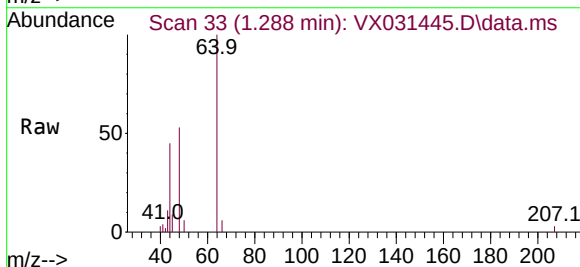
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

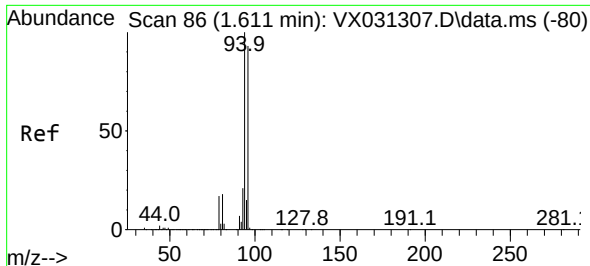
Tgt Ion:168 Resp: 79013
Ion Ratio Lower Upper
168 100
99 50.8 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion: 50 Resp: 225
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

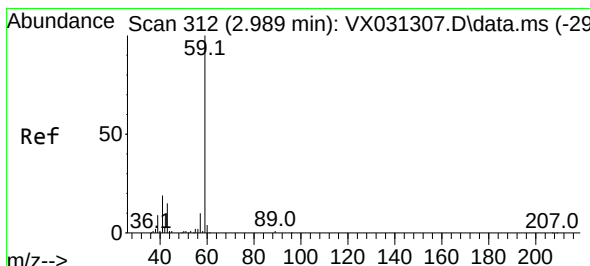
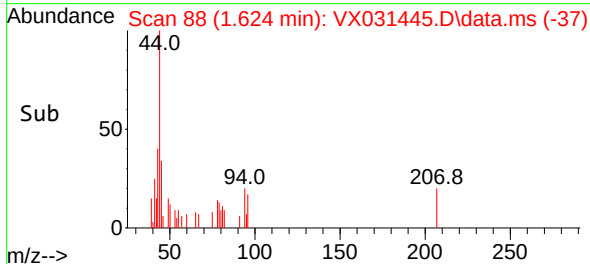
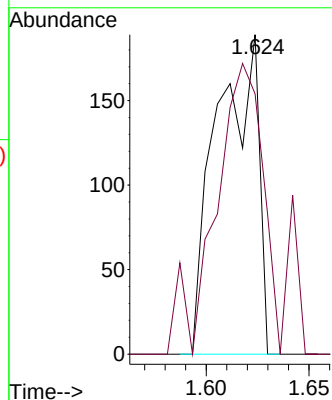
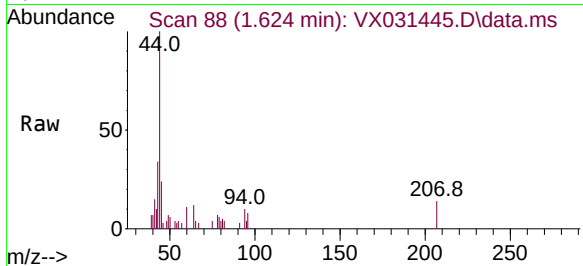




#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

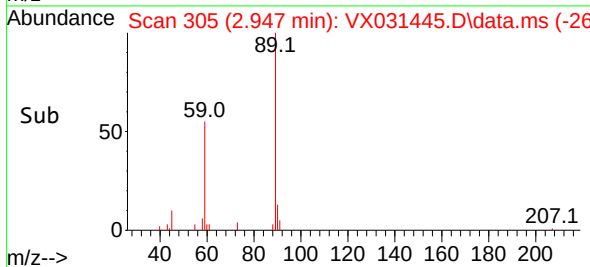
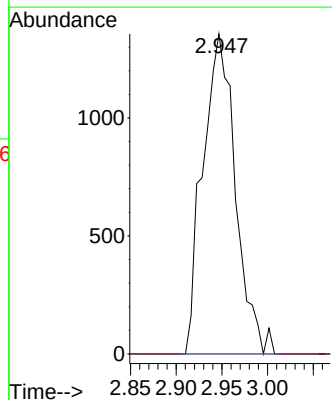
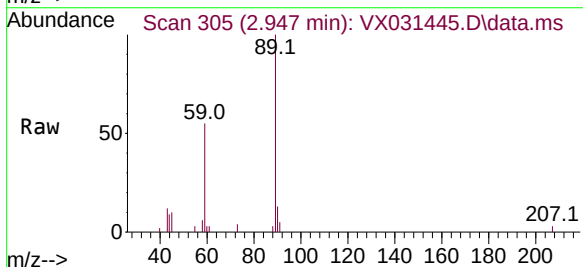
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

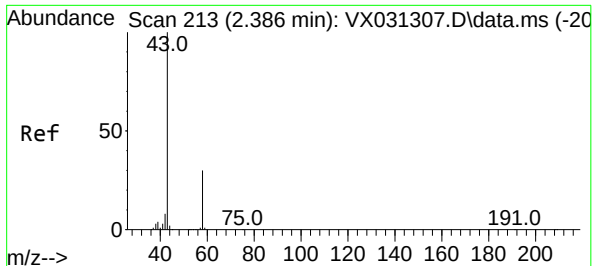
Tgt Ion: 94 Resp: 266
Ion Ratio Lower Upper
94 100
96 81.5 74.4 111.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion: 59 Resp: 3371
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

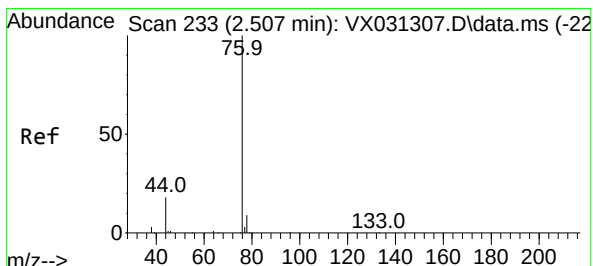
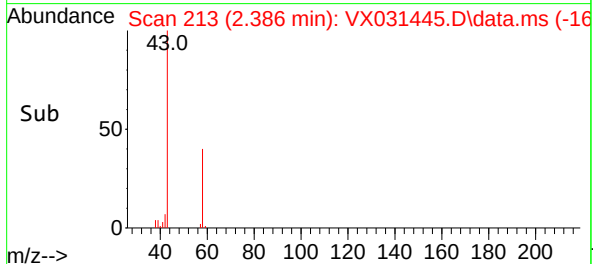
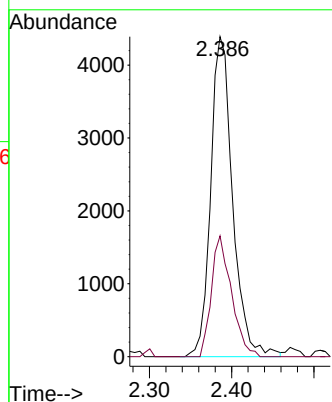
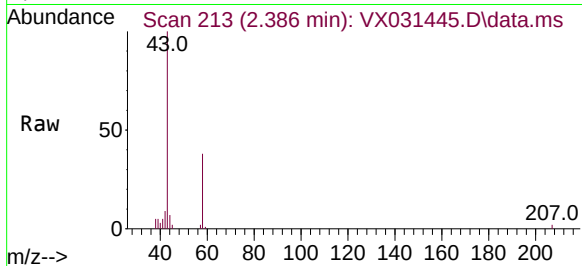




#16
Acetone
Concen: 9.826 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

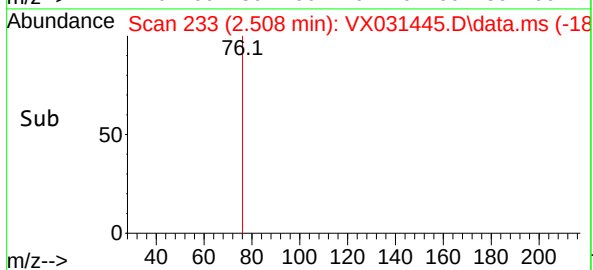
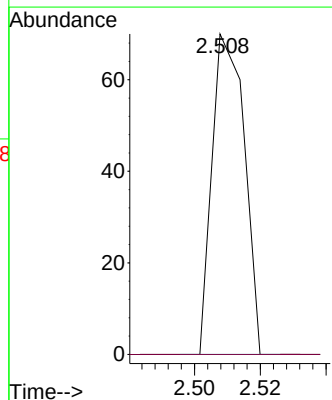
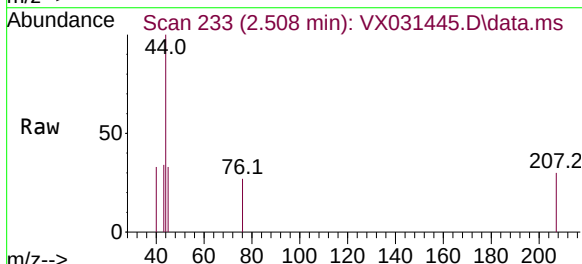
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

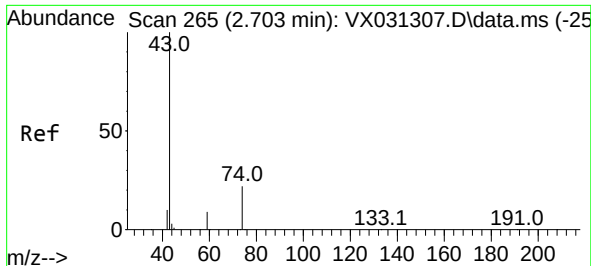
Tgt Ion: 43 Resp: 8135
Ion Ratio Lower Upper
43 100
58 37.7 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.897 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.001 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

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

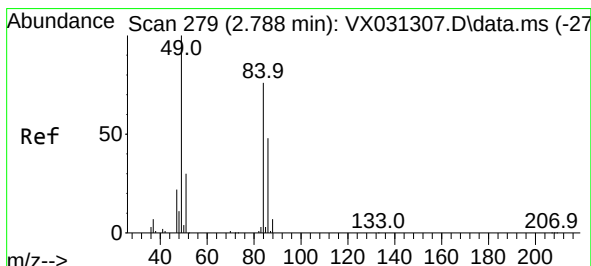
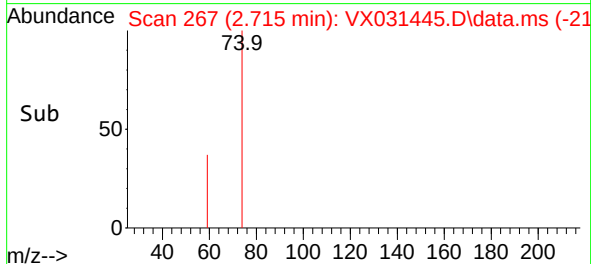
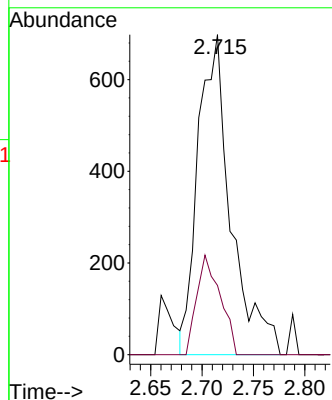
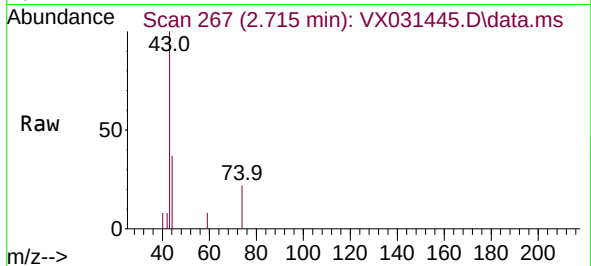




#18
Methyl Acetate
Concen: 0.633 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

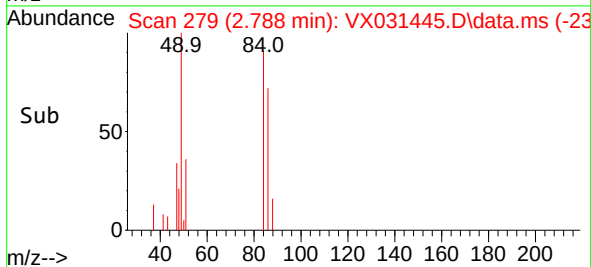
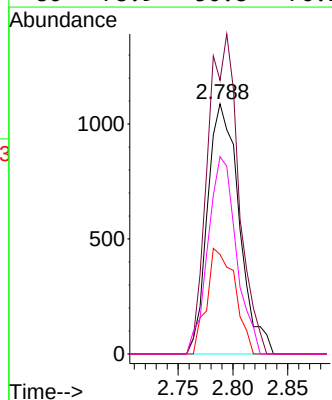
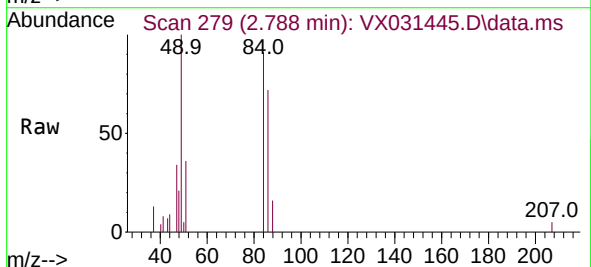
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

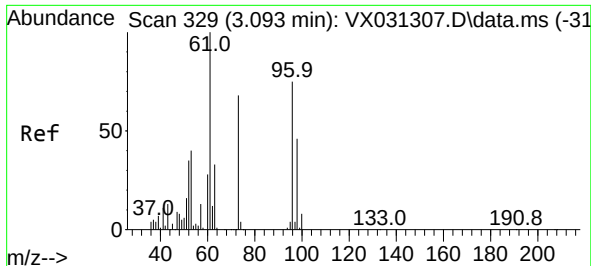
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
74 22.3 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion: 84 Resp: 2178
Ion Ratio Lower Upper
84 100
49 109.4 105.9 158.9
51 39.8 32.2 48.2
86 78.9 50.8 76.2#

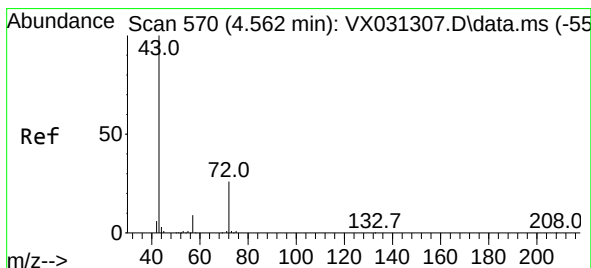
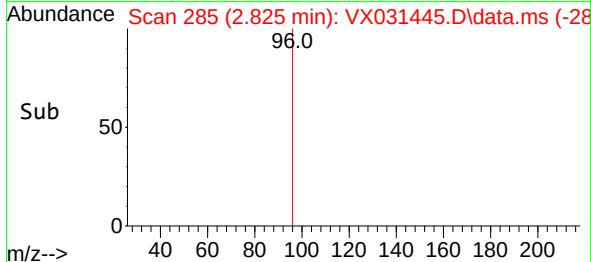
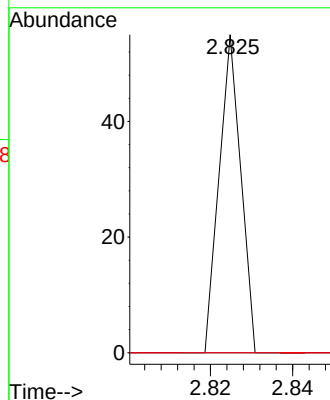
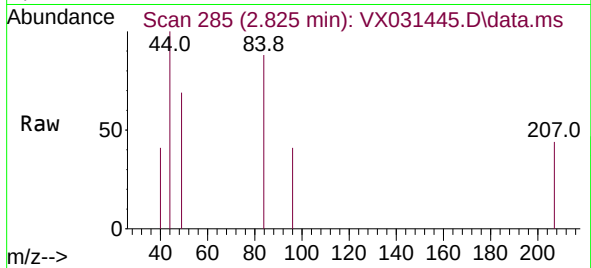




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.825 min Scan# 21
Delta R.T. -0.268 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

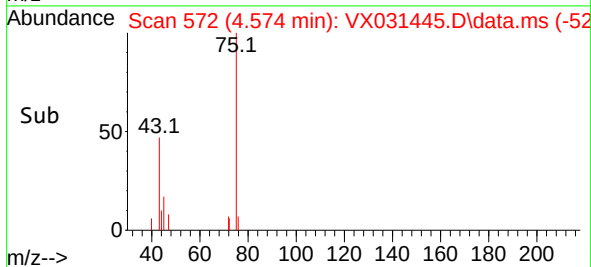
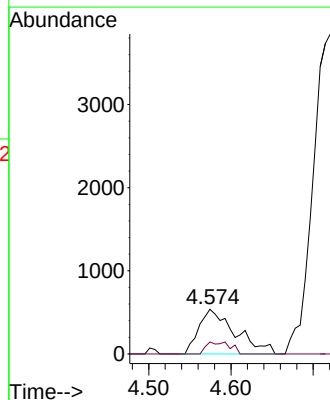
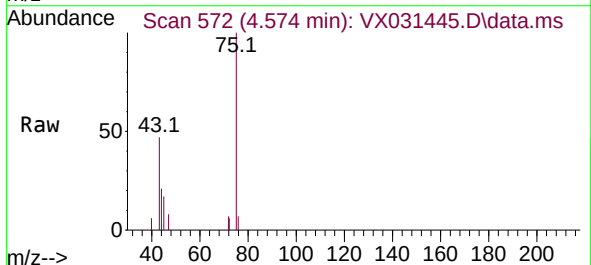
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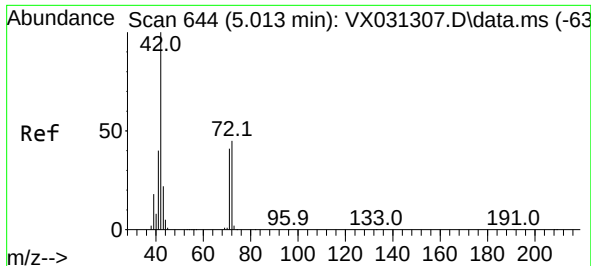
Tgt Ion: 96 Resp: 20
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 1.213 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
72 26.8 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.604 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#14

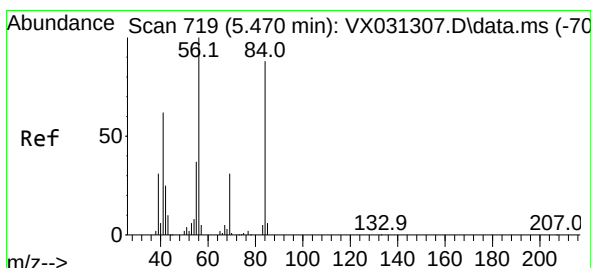
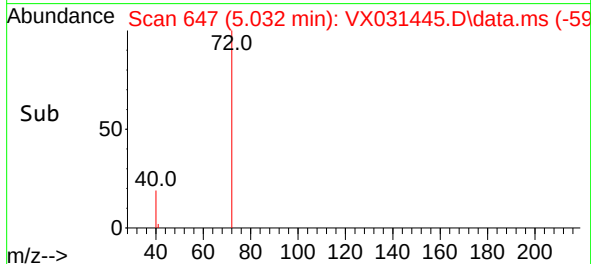
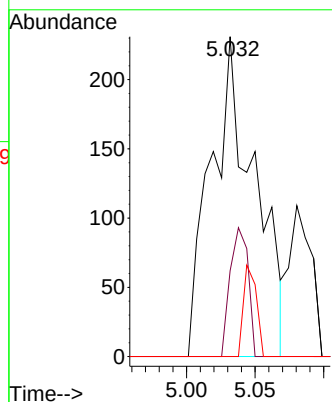
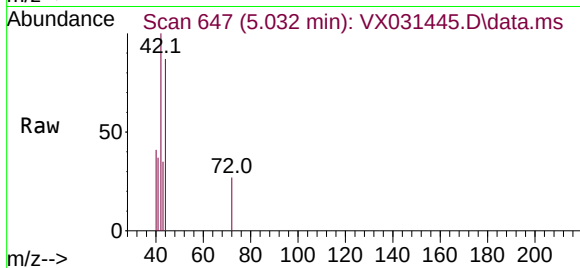
Tgt Ion: 42 Resp: 511

Ion Ratio Lower Upper

42 100

72 16.6 36.4 54.6#

71 8.4 33.5 50.3#



#31

Cyclohexane

Concen: 0.971 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

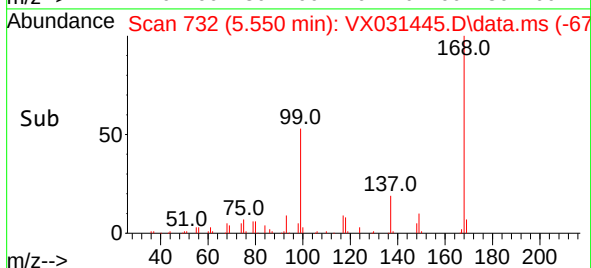
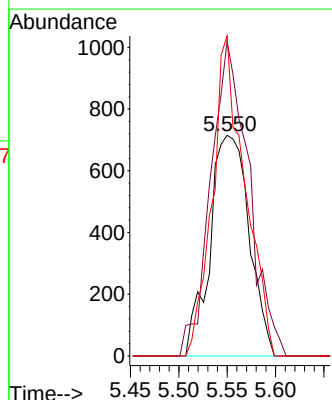
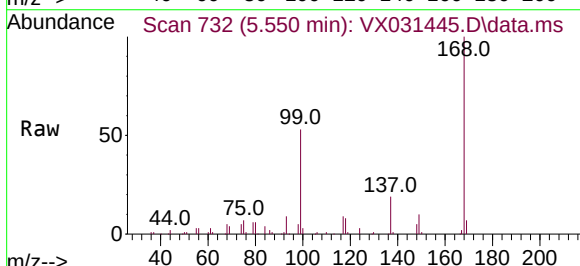
Tgt Ion: 56 Resp: 2023

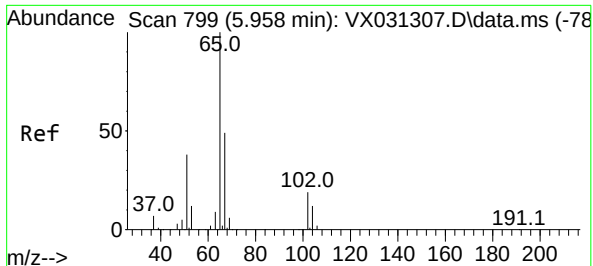
Ion Ratio Lower Upper

56 100

69 142.8 25.1 37.7#

84 145.0 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 25.484 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

Instrument :

MSVOA_X

ClientSampleId :

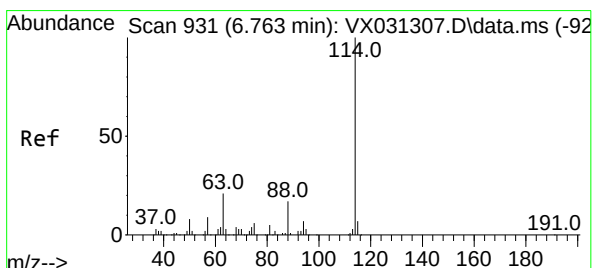
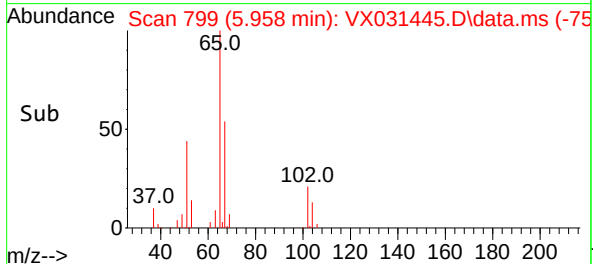
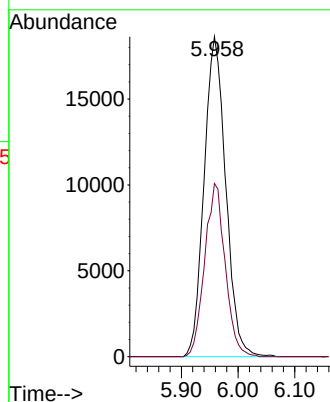
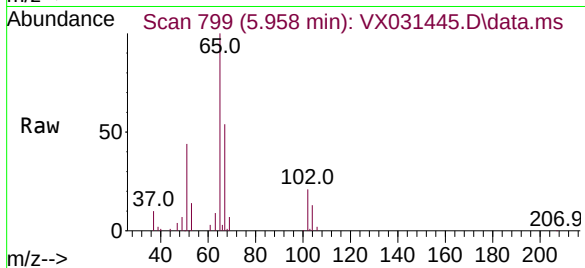
PB147603ZHE#14

Tgt Ion: 65 Resp: 49423

Ion Ratio Lower Upper

65 100

67 51.2 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: VX031445.D

Acq: 17 Sep 2022 05:15

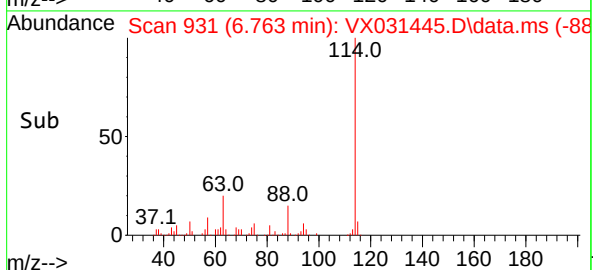
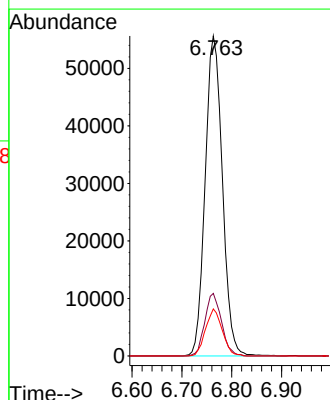
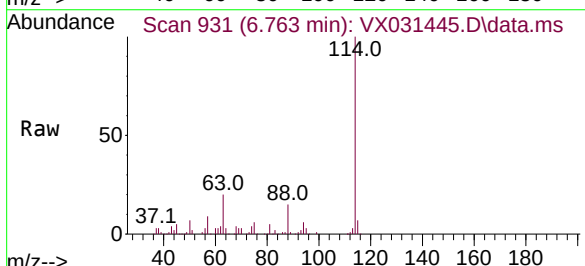
Tgt Ion: 114 Resp: 133507

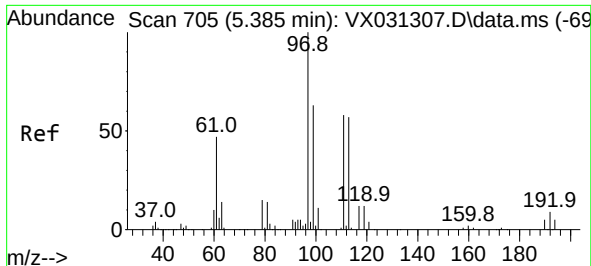
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 14.7 0.0 33.0

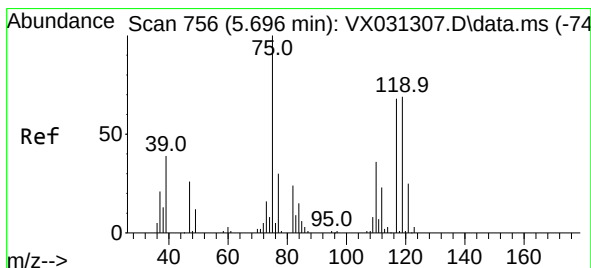
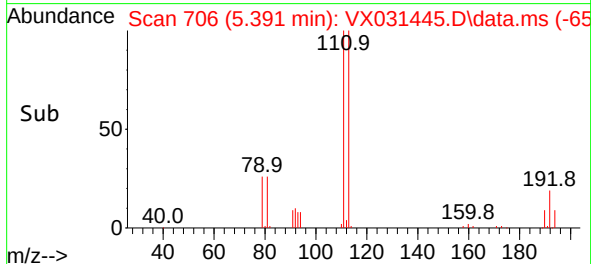
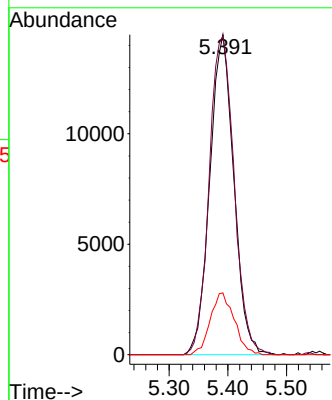
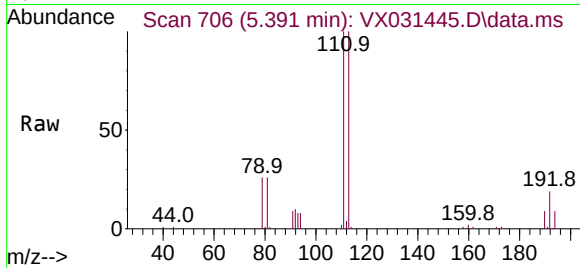




#35
Dibromofluoromethane
Concen: 28.682 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

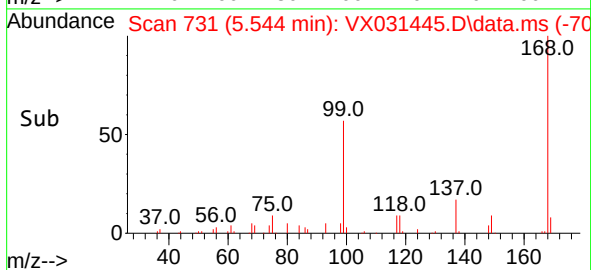
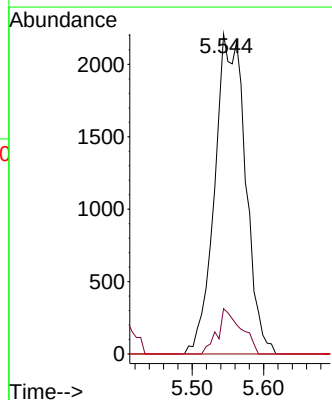
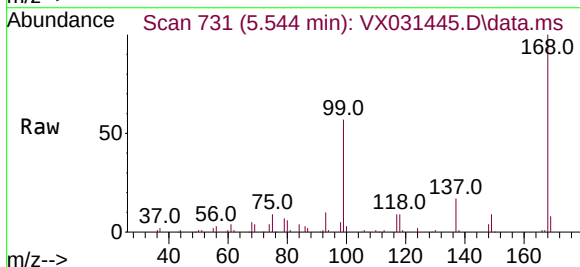
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

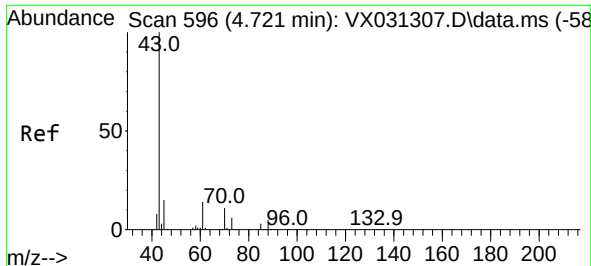
Tgt Ion:113 Resp: 41162
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 19.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.353 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion: 75 Resp: 6587
Ion Ratio Lower Upper
75 100
110 10.9 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.697 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

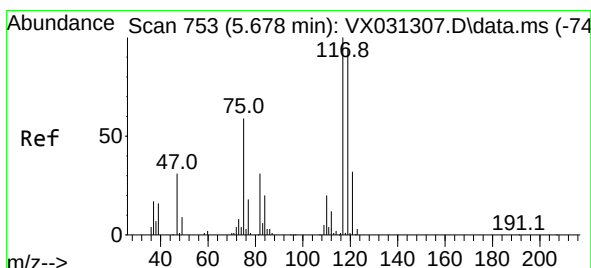
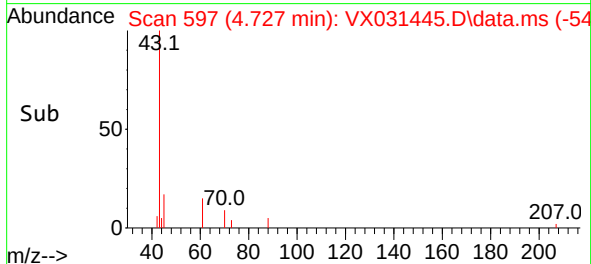
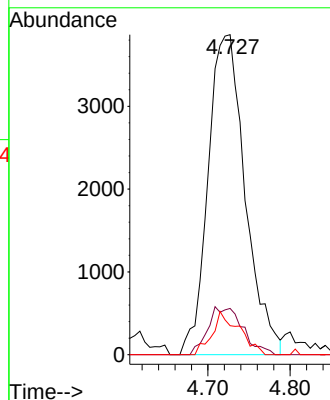
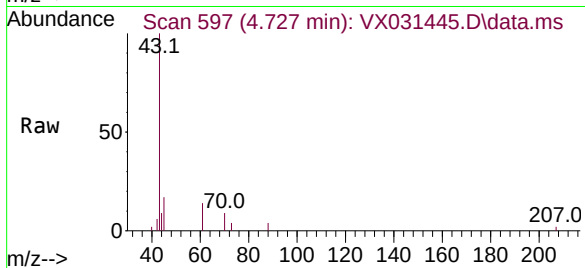
Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#14

Tgt Ion: 43	Resp: 12124
Ion Ratio	Lower Upper
43	100
61	14.0 11.1 16.7
70	9.9 8.6 13.0



#38

Carbon Tetrachloride

Concen: 3.591 ug/l

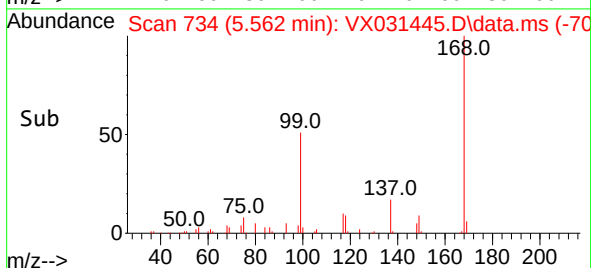
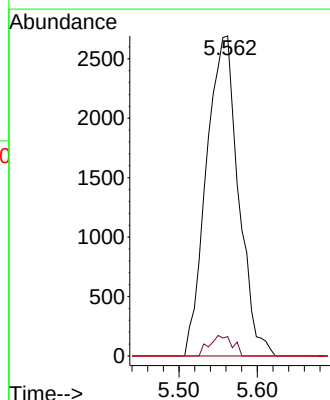
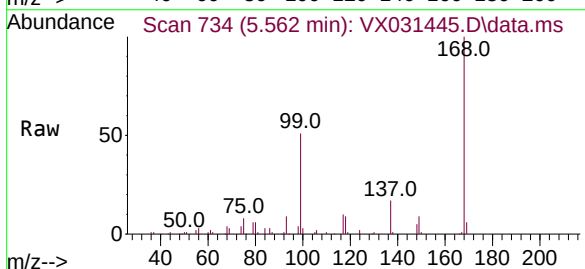
RT: 5.562 min Scan# 734

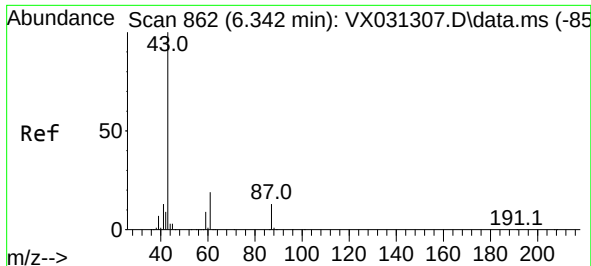
Delta R.T. -0.116 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

Tgt Ion: 117	Resp: 7668
Ion Ratio	Lower Upper
117	100
119	6.1 74.6 112.0#
121	0.0 25.3 37.9#

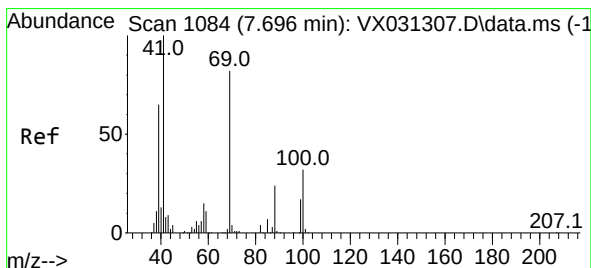
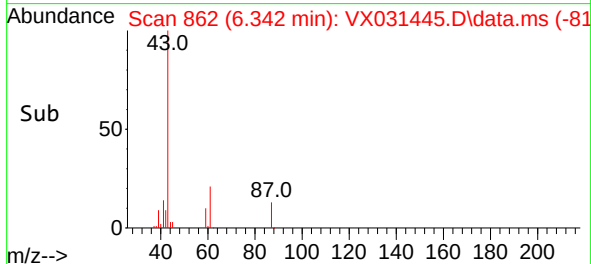
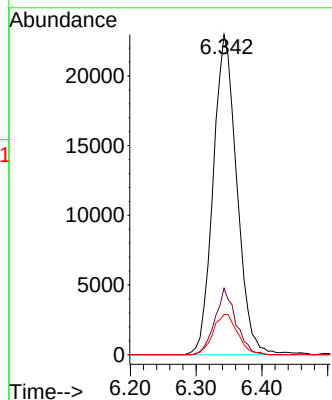
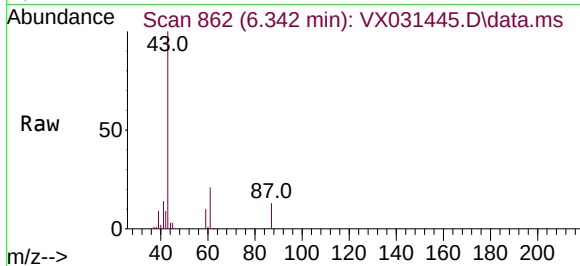




#43
Isopropyl Acetate
Concen: 13.056 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

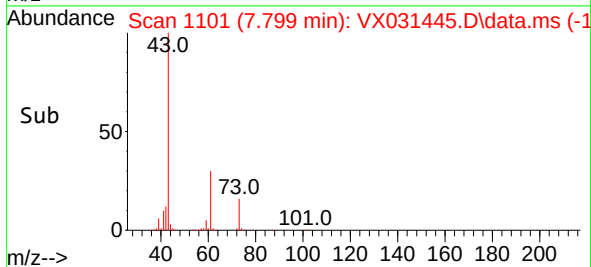
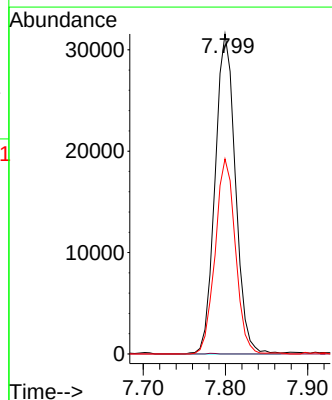
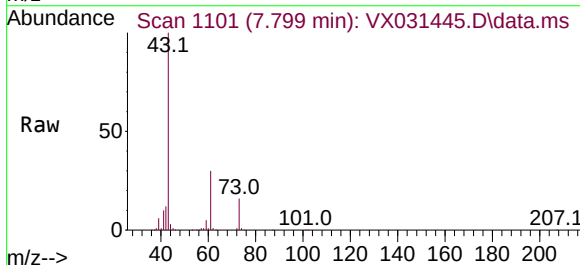
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

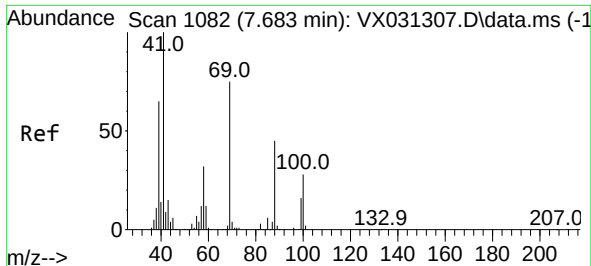
Tgt Ion:	43	Resp:	57526
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.3	22.9
87	13.0	10.6	15.8



#48
Methyl methacrylate
Concen: 27.053 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion:	41	Resp:	54262
Ion	Ratio	Lower	Upper
41	100		
69	0.1	64.6	96.8#
39	60.3	51.4	77.0





#49

1,4-Dioxane

Concen: 0.547 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.104 min

Lab File: VX031445.D

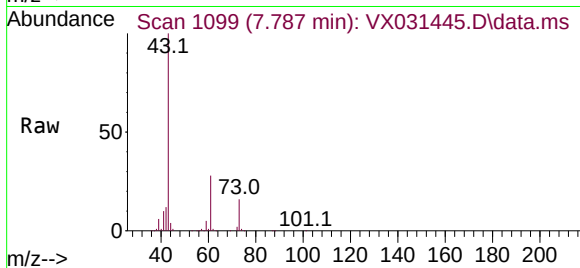
Acq: 17 Sep 2022 05:15

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#14



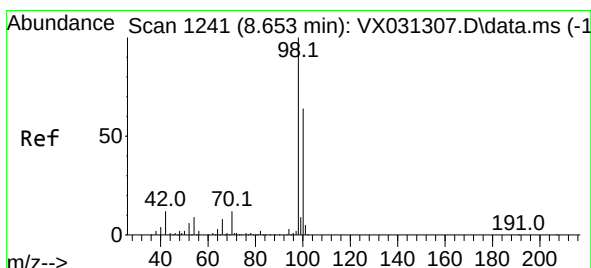
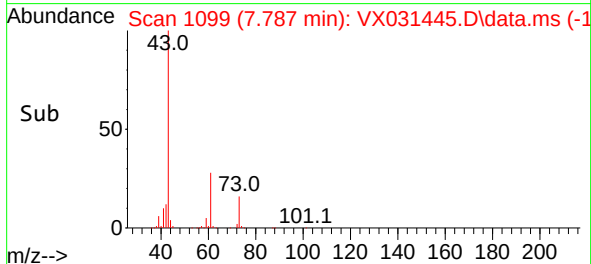
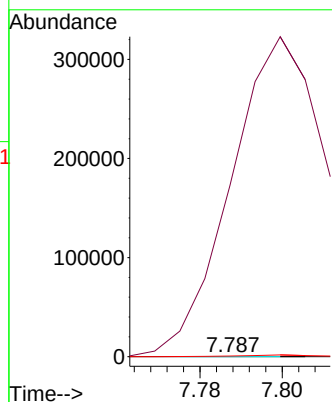
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 2476045.5 27.1 40.7#

58 11000.0 53.9 80.9#



#50

Toluene-d8

Concen: 30.318 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031445.D

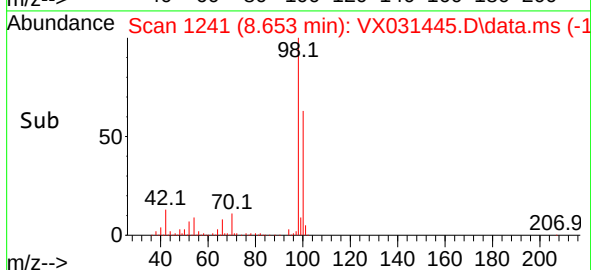
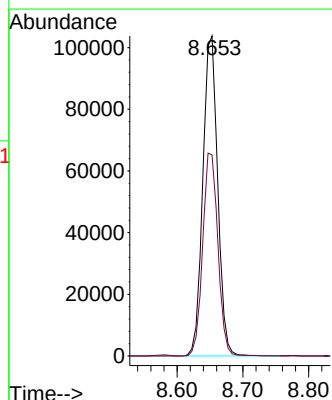
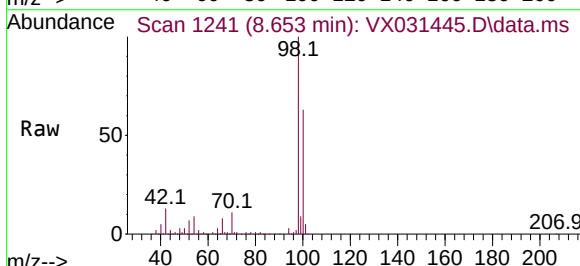
Acq: 17 Sep 2022 05:15

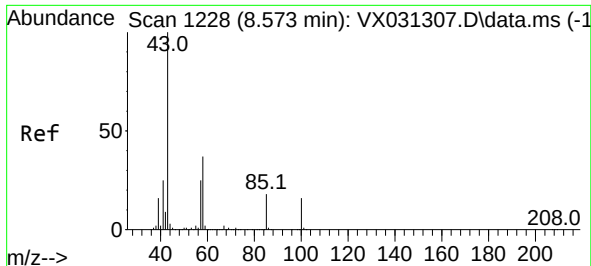
Tgt Ion: 98 Resp: 163208

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 17.503 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

Instrument :

MSVOA_X

ClientSampleId :

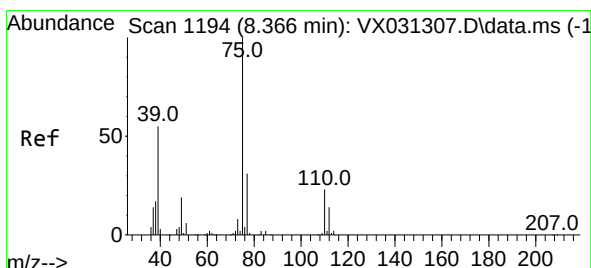
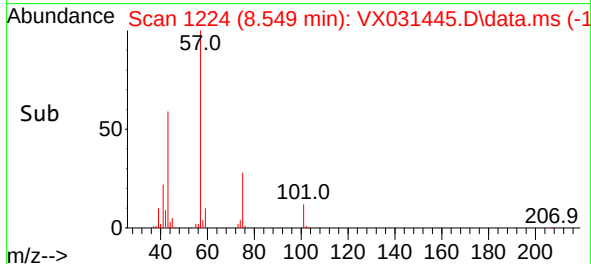
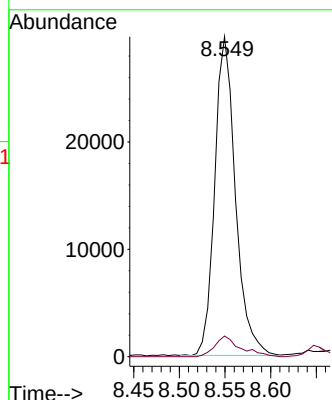
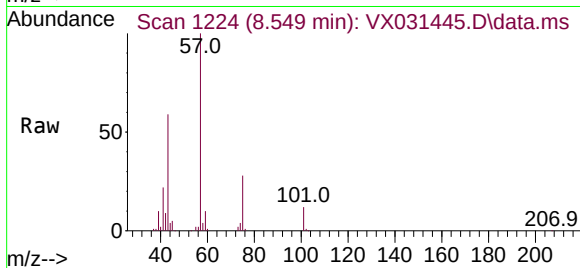
PB147603ZHE#14

Tgt Ion: 43 Resp: 46877

Ion Ratio Lower Upper

43 100

58 7.9 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 8.167 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

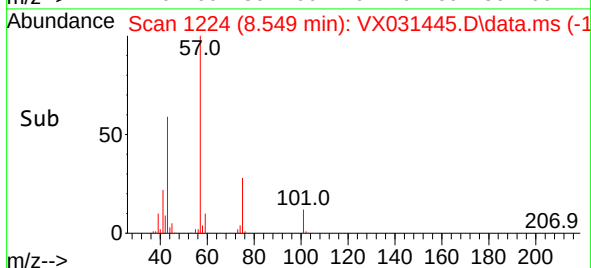
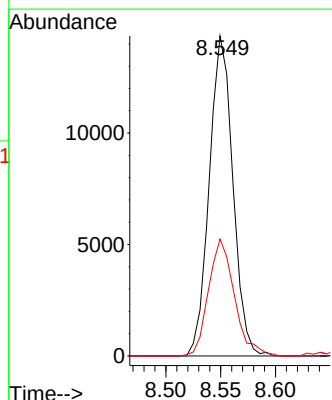
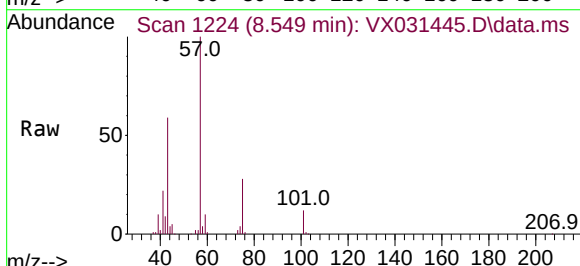
Tgt Ion: 75 Resp: 21514

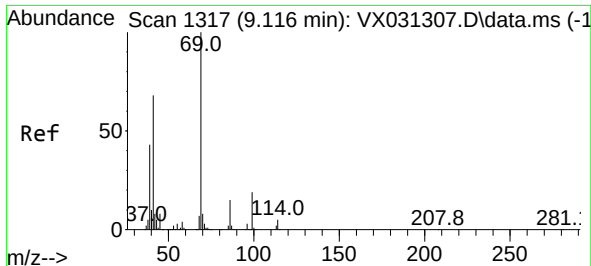
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 36.6 43.7 65.5#

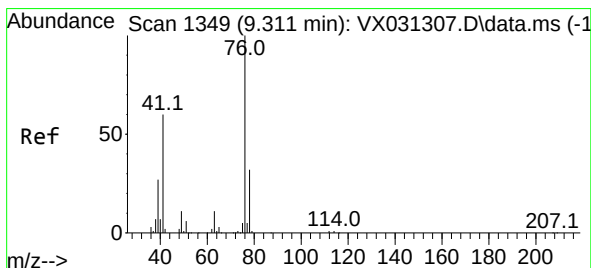
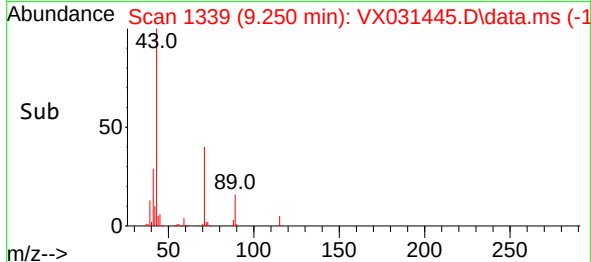
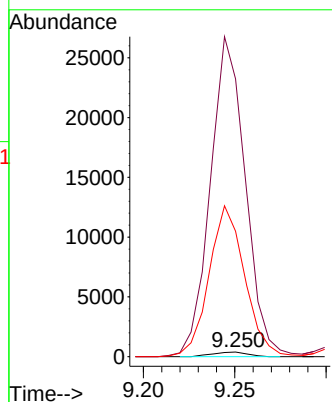
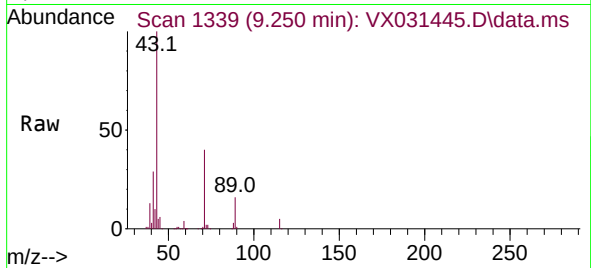




#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

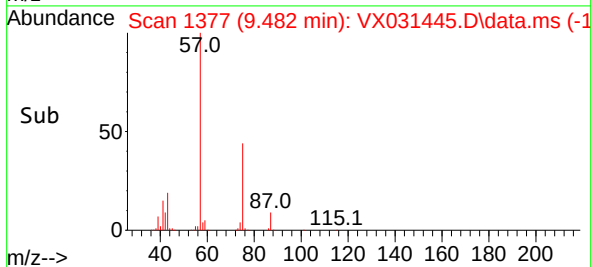
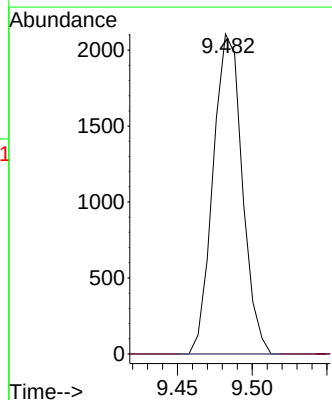
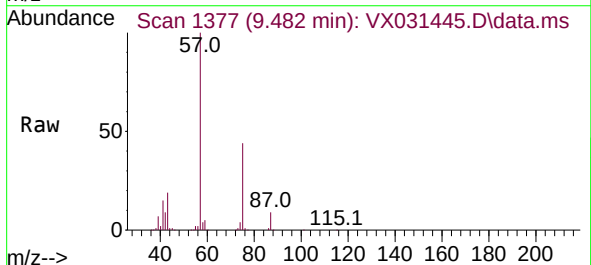
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

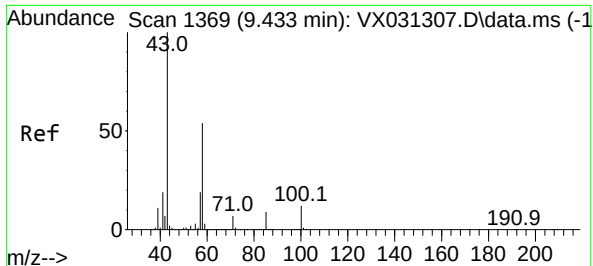
Tgt Ion: 69 Resp: 514
Ion Ratio Lower Upper
69 100
41 6962.1 54.2 81.4#
39 3343.4 34.2 51.2#



#57
1,3-Dichloropropane
Concen: 1.056 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

Tgt Ion: 76 Resp: 2857
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 18.326 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

Instrument :

MSVOA_X

ClientSampleId :

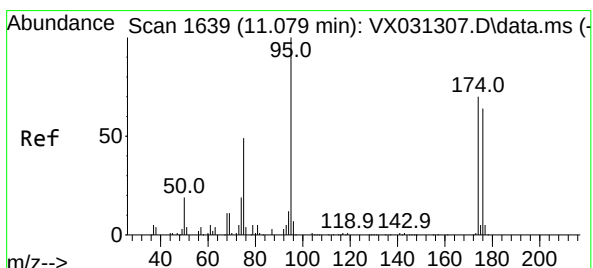
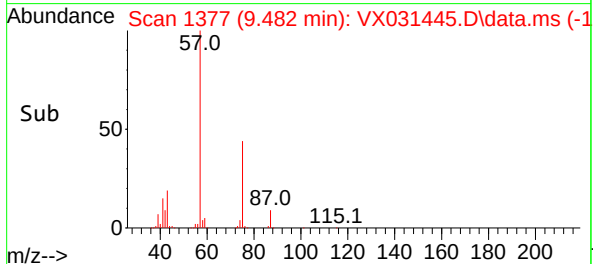
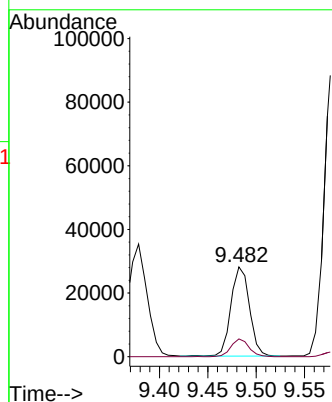
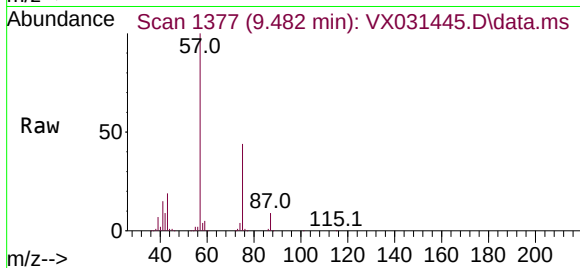
PB147603ZHE#14

Tgt Ion: 43 Resp: 37460

Ion Ratio Lower Upper

43 100

58 19.2 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 26.903 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031445.D

Acq: 17 Sep 2022 05:15

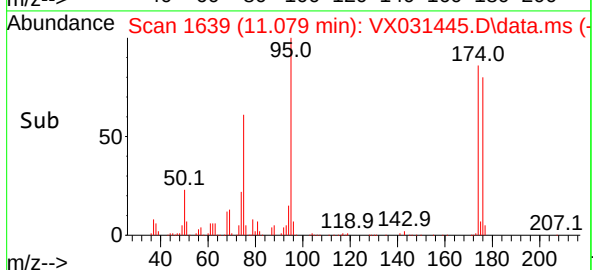
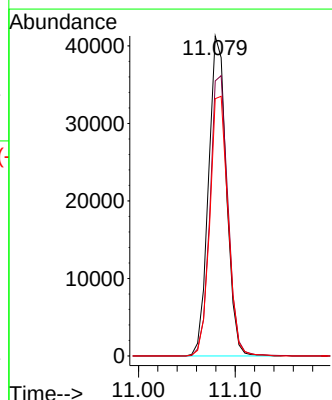
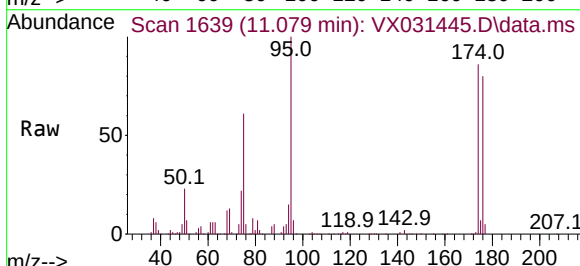
Tgt Ion: 95 Resp: 53034

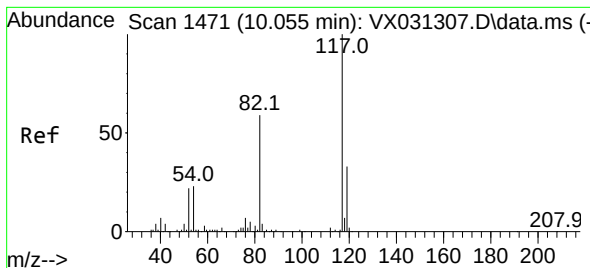
Ion Ratio Lower Upper

95 100

174 88.3 0.0 153.2

176 82.8 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: VX031445.D

Acq: 17 Sep 2022 05:15

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#14

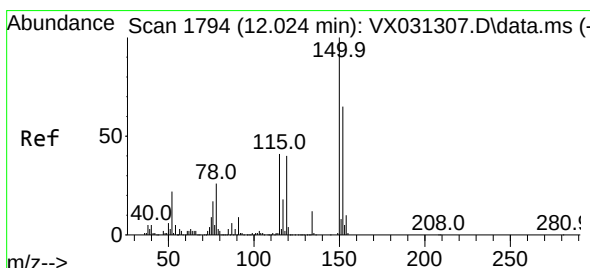
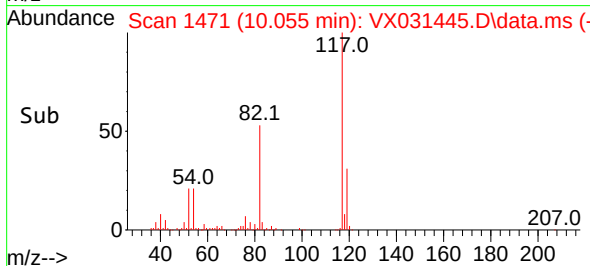
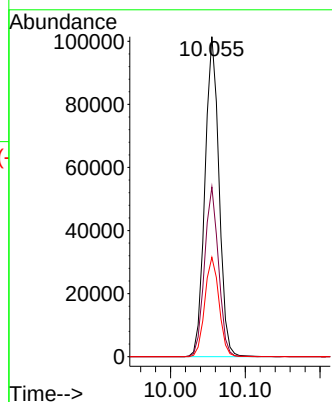
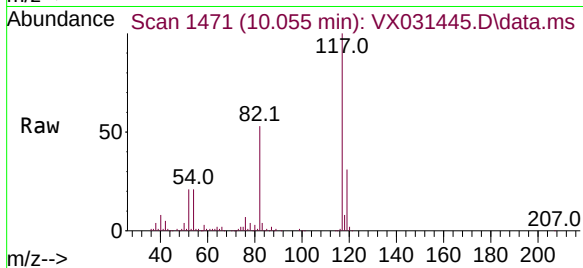
Tgt Ion:117 Resp: 132391

Ion Ratio Lower Upper

117 100

82 53.0 46.8 70.2

119 31.1 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: VX031445.D

Acq: 17 Sep 2022 05:15

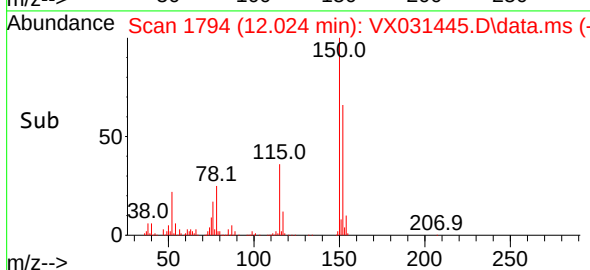
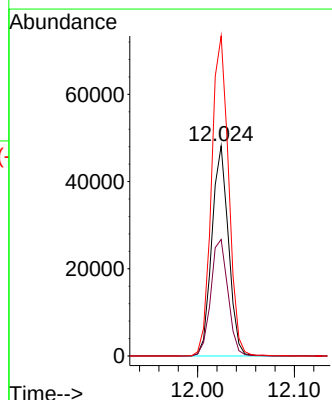
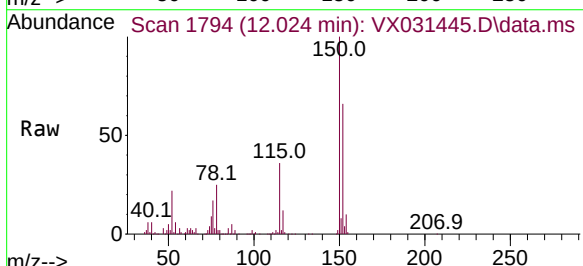
Tgt Ion:152 Resp: 57547

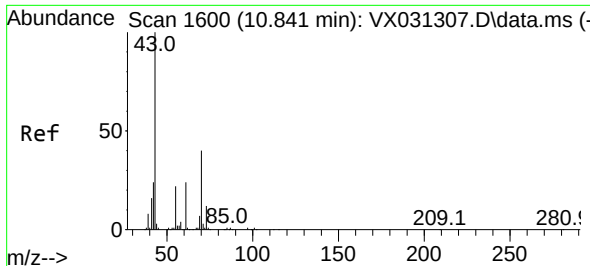
Ion Ratio Lower Upper

152 100

115 57.4 43.4 130.1

150 156.9 0.0 346.8

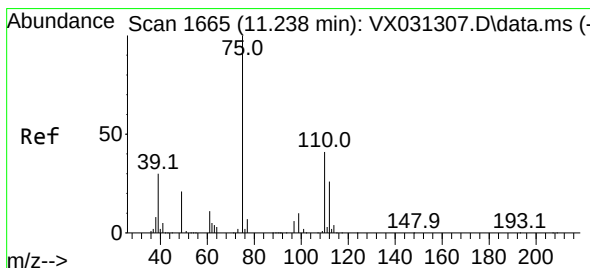
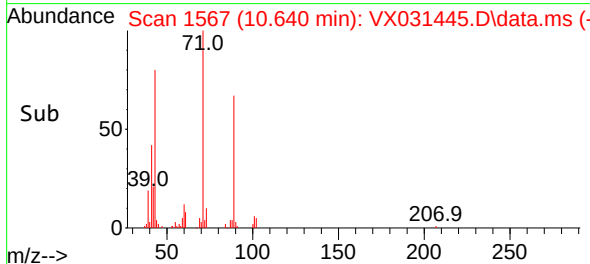
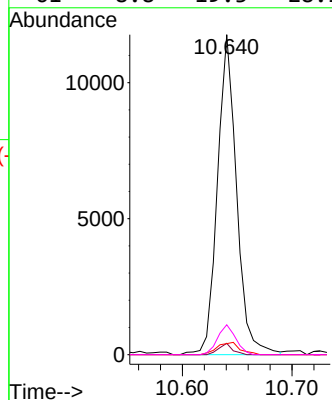
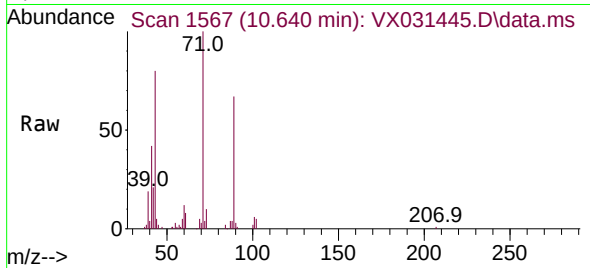




#74
N-amy1 acetate
Concen: 6.774 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

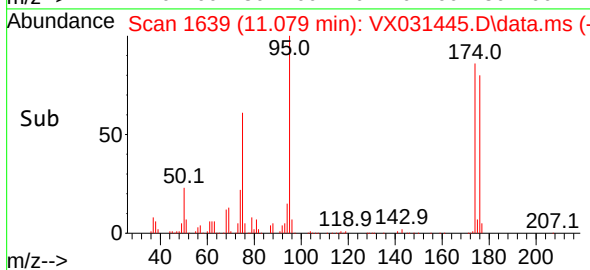
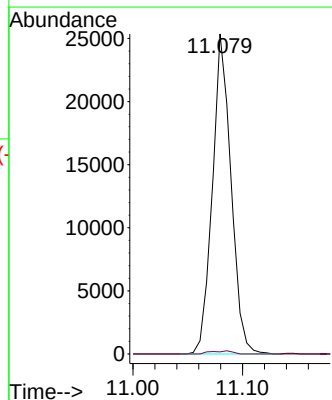
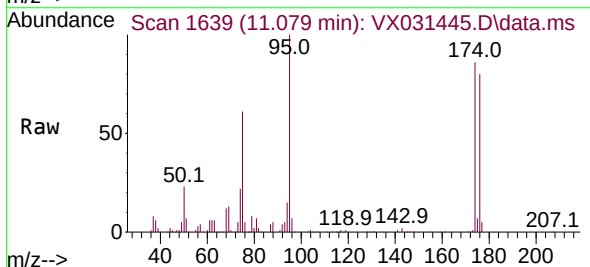
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#14

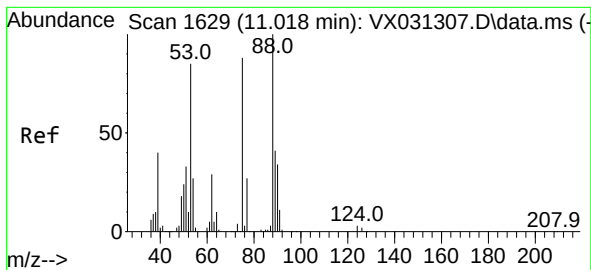
Tgt Ion: 43	Resp: 14313
Ion Ratio	Lower Upper
43 100	
70 2.5	33.4 50.2#
55 4.6	18.2 27.2#
61 8.8	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 20.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031445.D
Acq: 17 Sep 2022 05:15

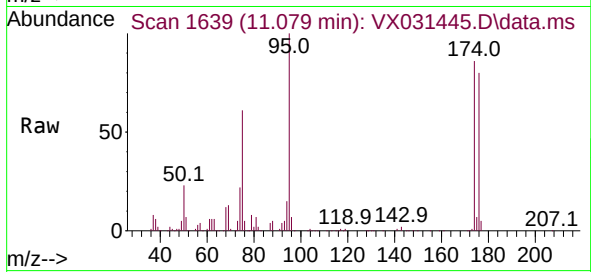
Tgt Ion: 75	Resp: 29914
Ion Ratio	Lower Upper
75 100	
77 1.1	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.077 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX031445.D
 Acq: 17 Sep 2022 05:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#14



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.6	116.4#
89	0.1	37.4	56.0#

