

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031447.D
 Acq On : 17 Sep 2022 06:02
 Operator : JC/MD
 Sample : PB147603ZHE#16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#16

Quant Time: Sep 19 02:25:57 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

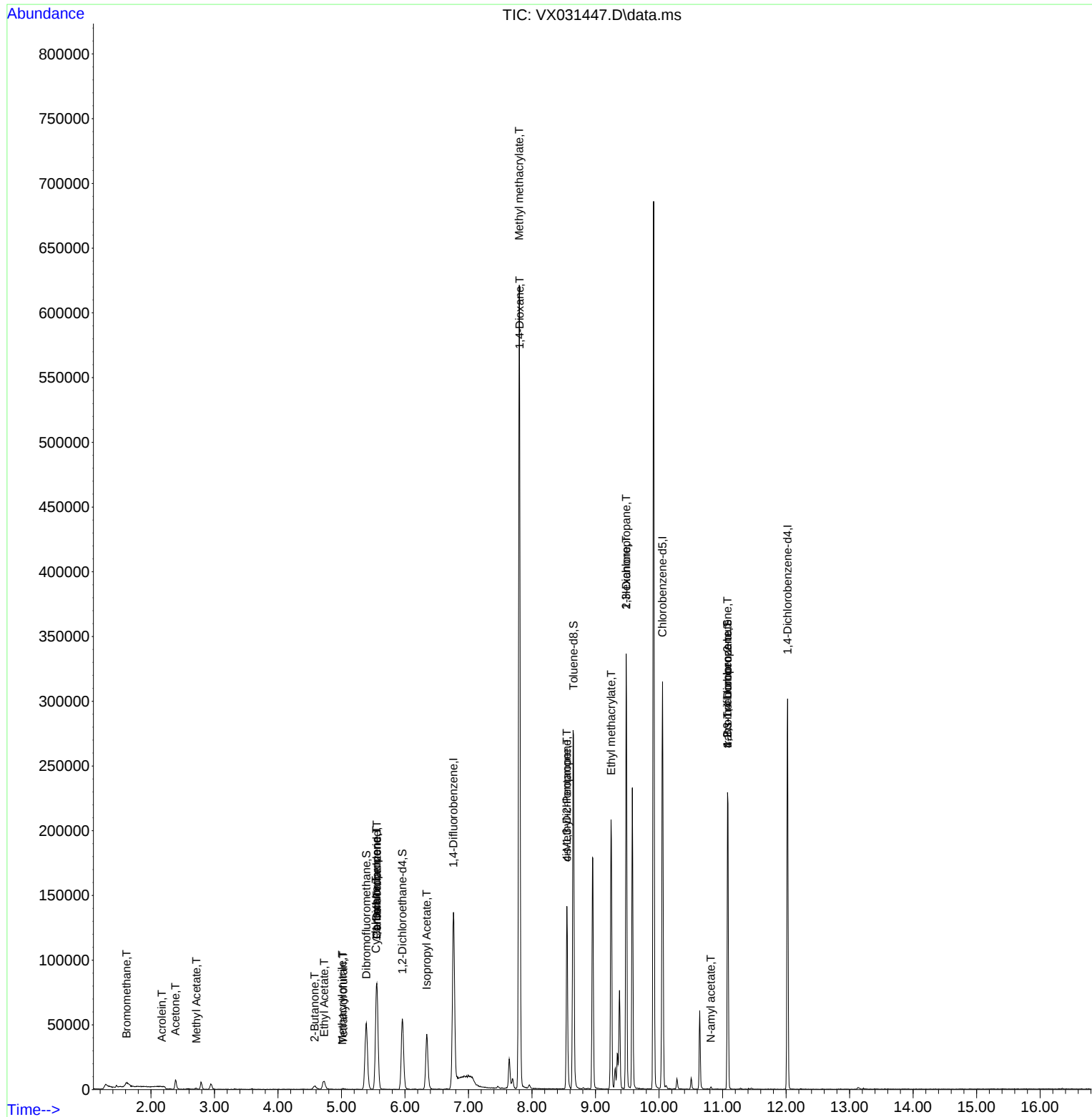
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	79083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	134627	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49113	25.301	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	50.600%#
35) Dibromofluoromethane	5.391	113	41621	28.761	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	57.520%#
50) Toluene-d8	8.653	98	161644	29.777	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	59.560%#
62) 4-Bromofluorobenzene	11.079	95	52439	26.380	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	52.760%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	122	Below Cal	#	41
5) Bromomethane	1.618	94	225	0.217	ug/l #	40
11) Tert butyl alcohol	2.940	59	2429	Below Cal	#	73
13) Acrolein	2.172	56	63	0.281	ug/l #	57
16) Acetone	2.386	43	8357	10.085	ug/l	99
18) Methyl Acetate	2.715	43	1370	0.558	ug/l #	89
20) Methylene Chloride	2.788	84	2267	Below Cal		88
25) 2-Butanone	4.574	43	1685	1.233	ug/l	91
29) Tetrahydrofuran	5.025	42	368	0.435	ug/l #	75
31) Cyclohexane	5.544	56	947	0.454	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	6143	3.101	ug/l #	52
37) Ethyl Acetate	4.727	43	12265	4.712	ug/l	96
38) Carbon Tetrachloride	5.556	117	7786	3.616	ug/l #	17
41) Methacrylonitrile	5.013	41	304	0.216	ug/l #	31
43) Isopropyl Acetate	6.342	43	56635	12.747	ug/l	100
48) Methyl methacrylate	7.799	41	52863	26.136	ug/l #	49
49) 1,4-Dioxane	7.805	88	27	0.666	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45848	16.976	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	20751	7.812	ug/l #	64
56) Ethyl methacrylate	9.244	69	581	0.226	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2891	1.059	ug/l #	43
59) 2-Hexanone	9.482	43	37297	18.094	ug/l #	53
74) N-amyl acetate	10.817	43	776	0.363	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	30695	20.930	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30695	57.914	ug/l #	11

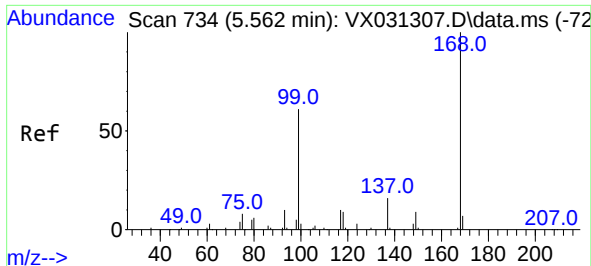
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
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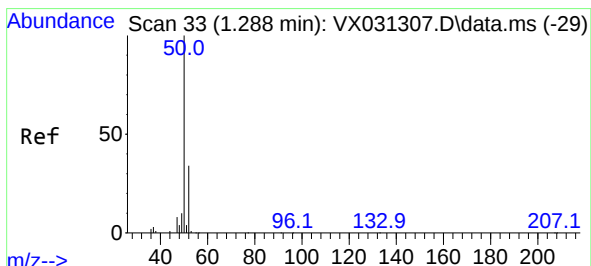
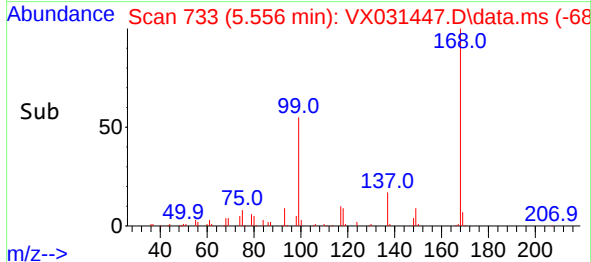
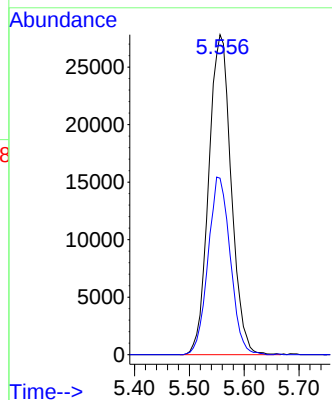
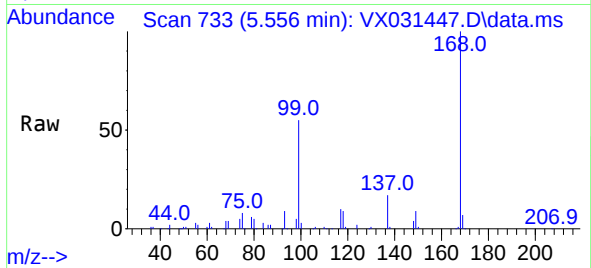




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

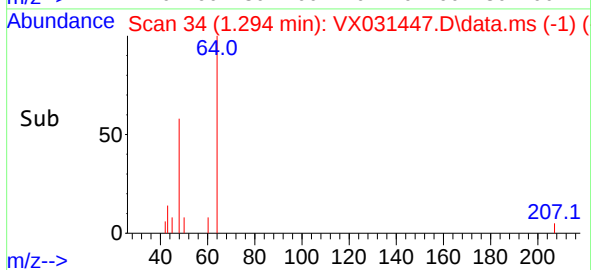
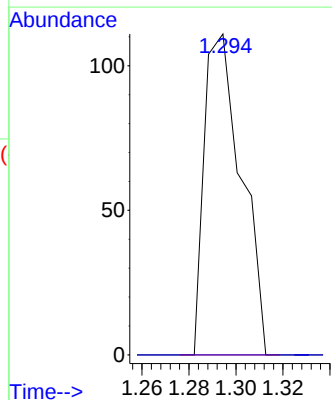
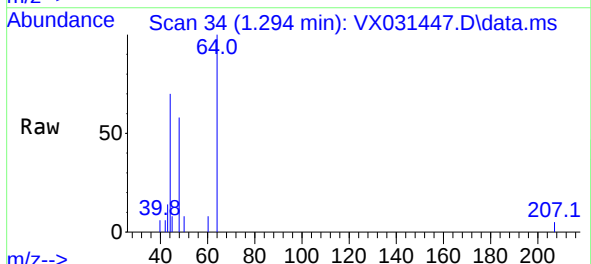
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

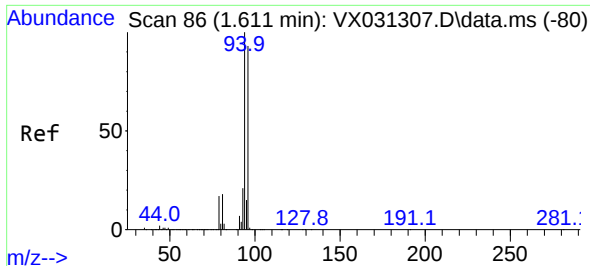
Tgt Ion:168 Resp: 79083
Ion Ratio Lower Upper
168 100
99 55.2 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion: 50 Resp: 122
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

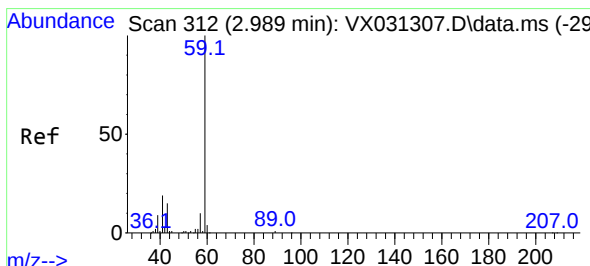
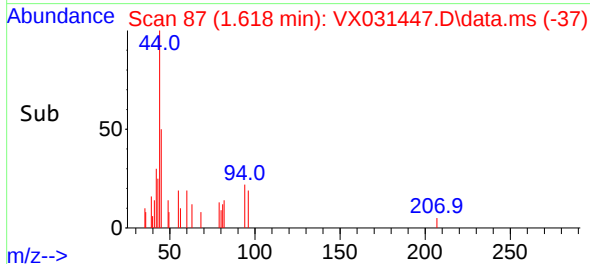
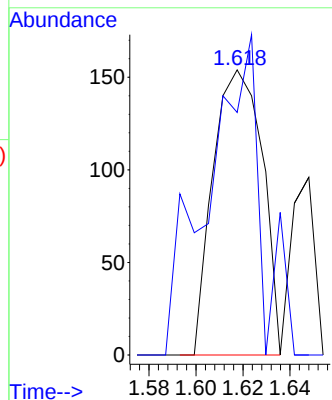
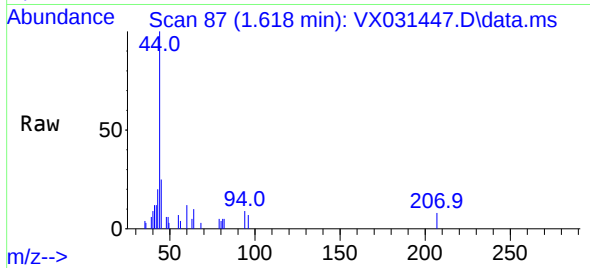




#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

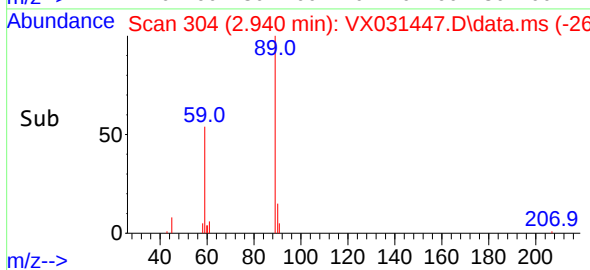
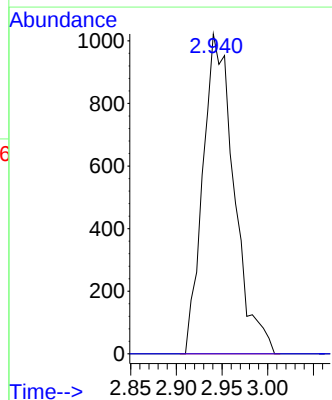
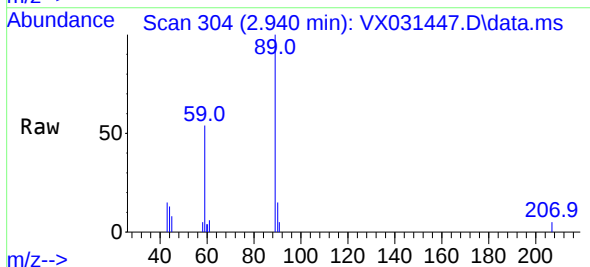
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

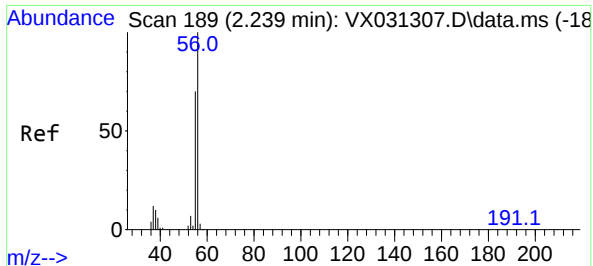
Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 35.1 74.4 111.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion: 59 Resp: 2429
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

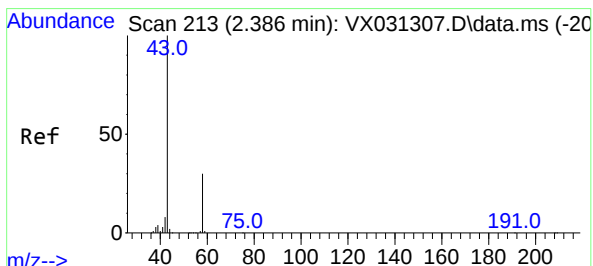
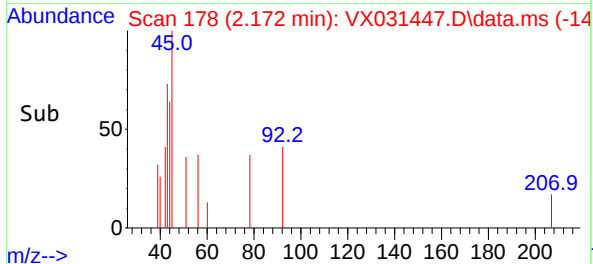
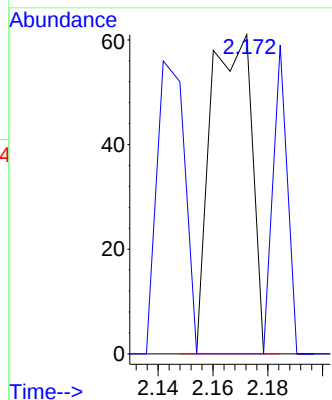
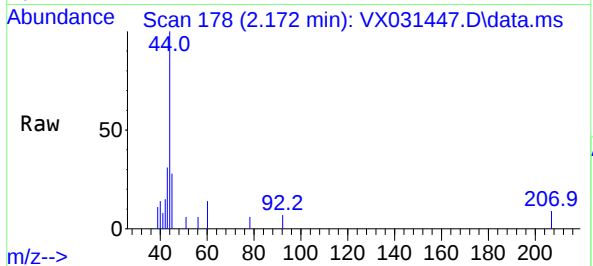




#13
Acrolein
Concen: 0.281 ug/l
RT: 2.172 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

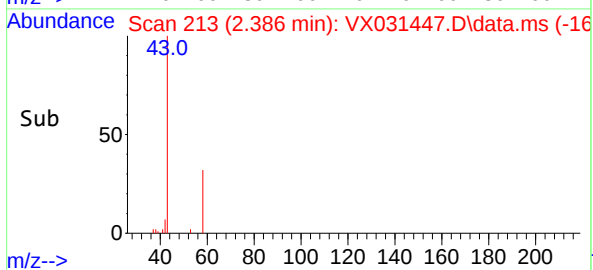
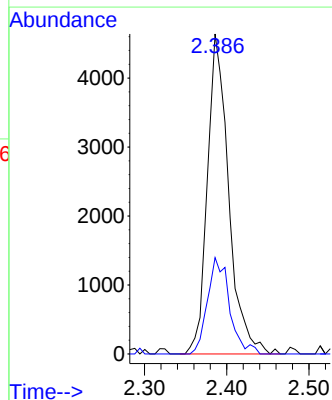
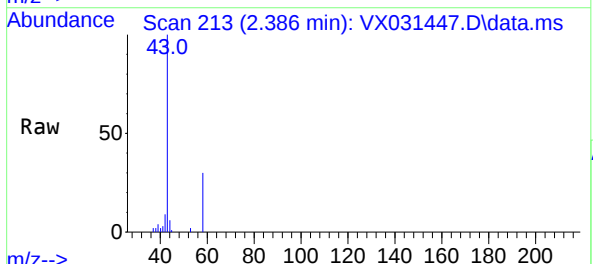
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

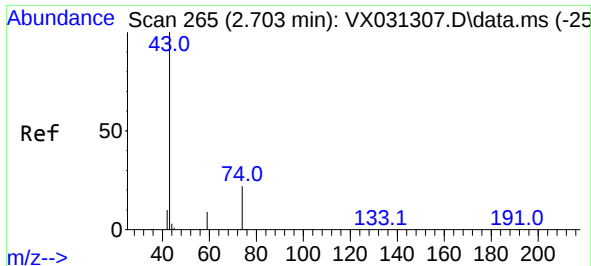
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 34.9 56.0 84.0#



#16
Acetone
Concen: 10.085 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion: 43 Resp: 8357
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.8

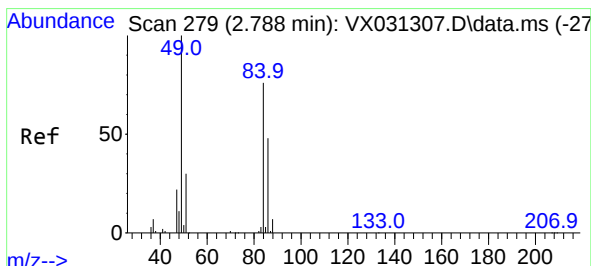
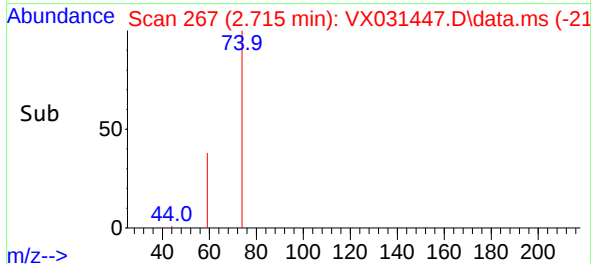
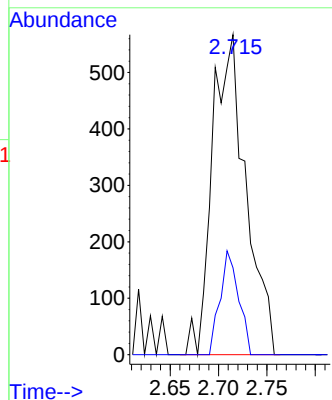
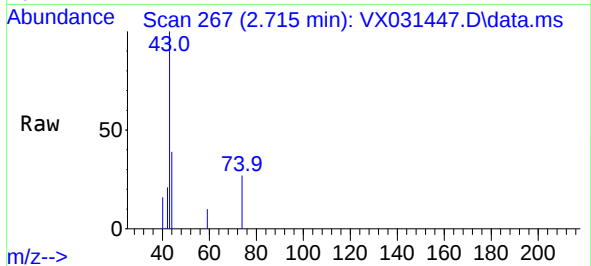




#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

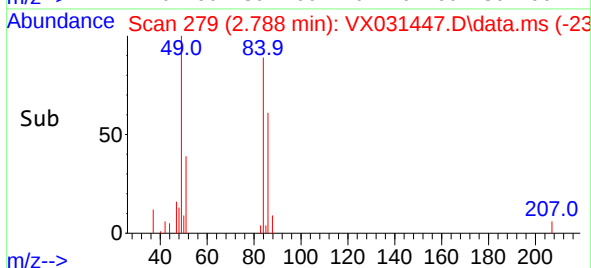
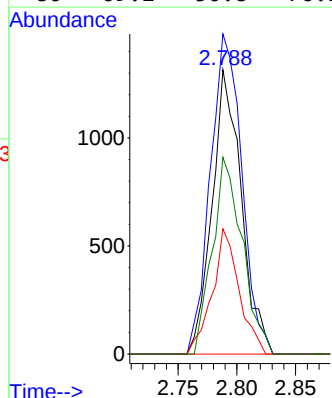
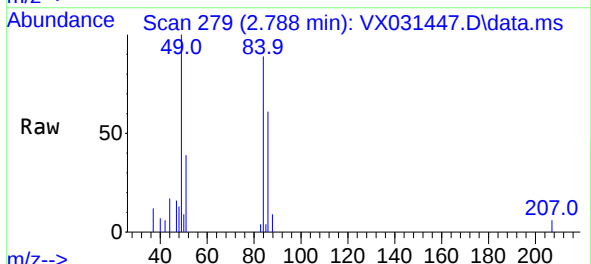
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

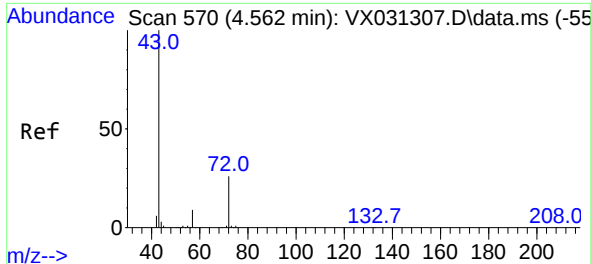
Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
74 17.9 18.6 27.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion: 84 Resp: 2267
Ion Ratio Lower Upper
84 100
49 112.6 105.9 158.9
51 44.0 32.2 48.2
86 69.2 50.8 76.2





#25

2-Butanone

Concen: 1.233 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

Instrument :

MSVOA_X

ClientSampleId :

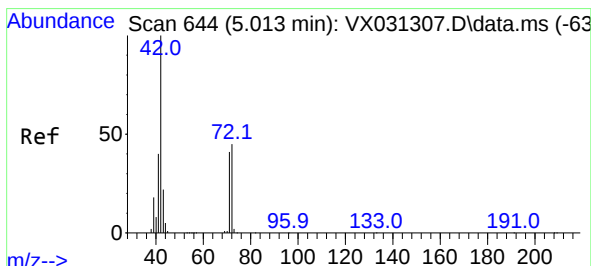
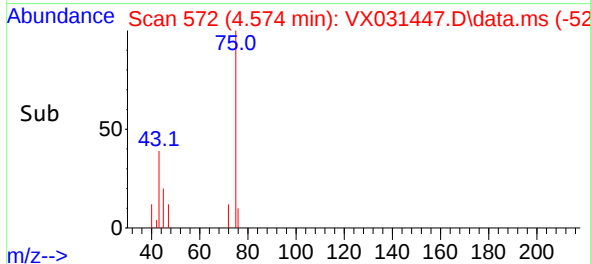
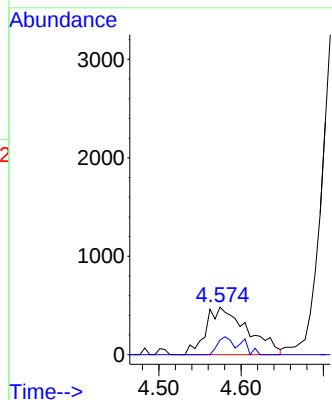
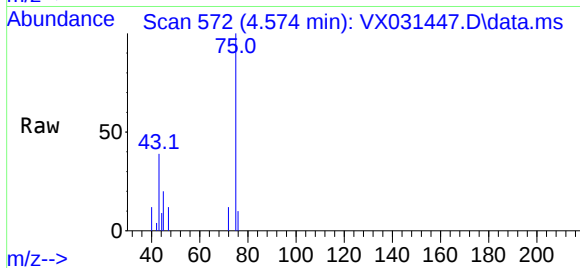
PB147603ZHE#16

Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

72 30.9 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.435 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

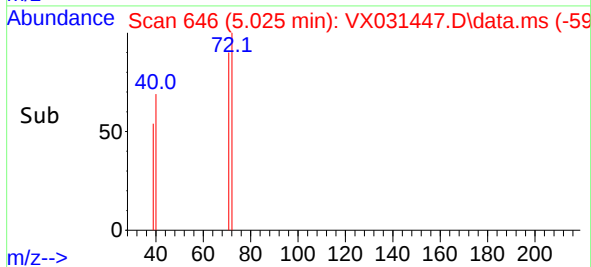
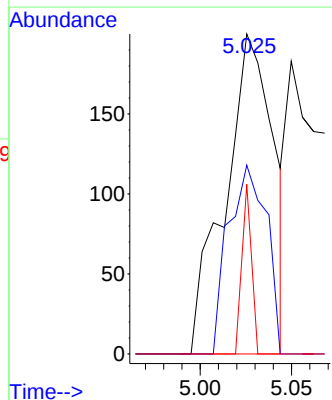
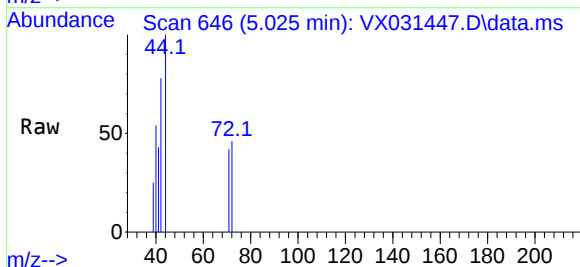
Tgt Ion: 42 Resp: 368

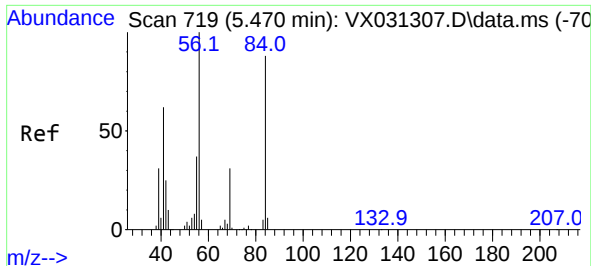
Ion Ratio Lower Upper

42 100

72 46.5 36.4 54.6

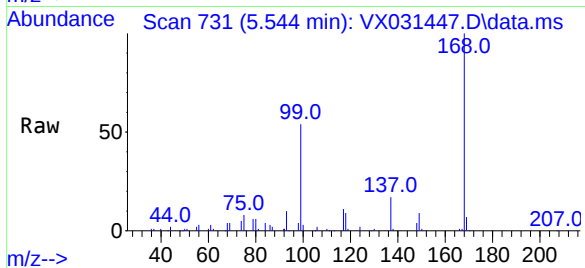
71 10.6 33.5 50.3#



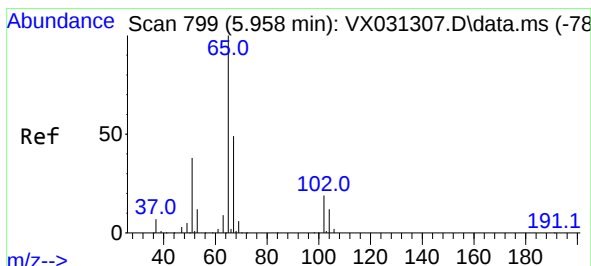
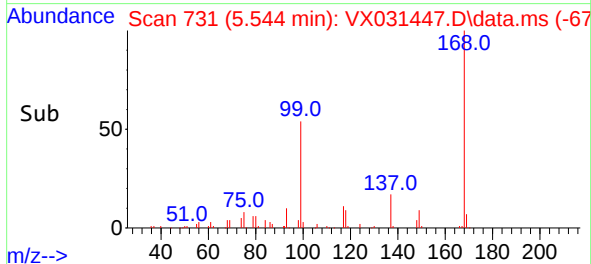
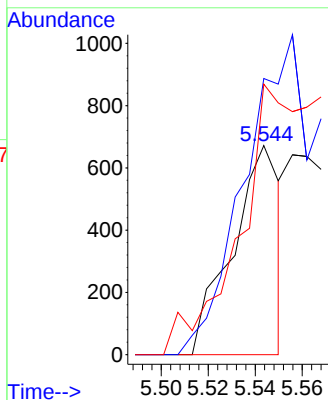


#31
Cyclohexane
Concen: 0.454 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Instrument :
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ClientSampleId :
PB147603ZHE#16

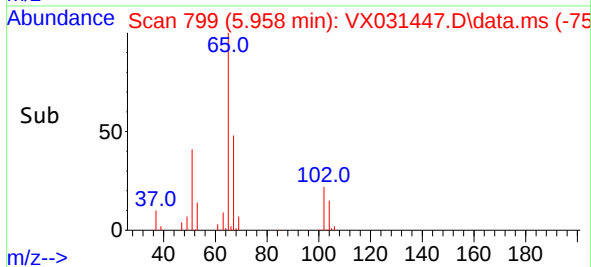
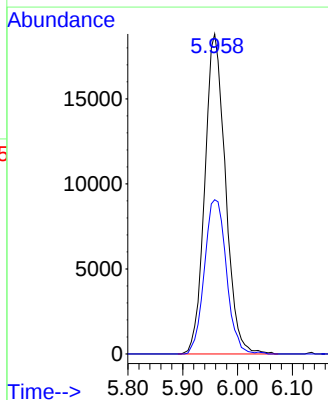
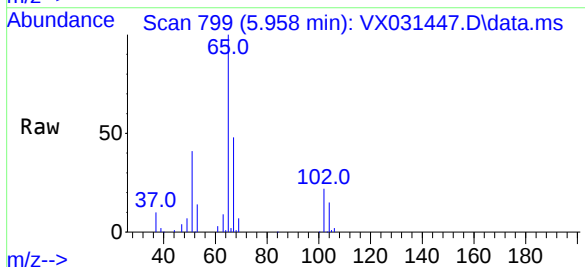


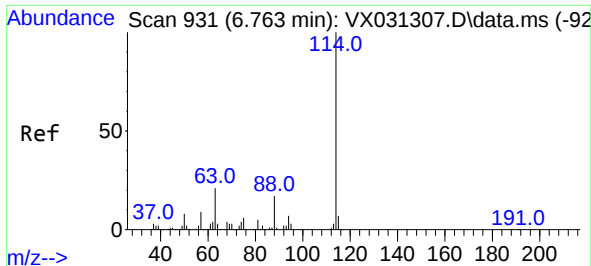
Tgt Ion: 56 Resp: 947
Ion Ratio Lower Upper
56 100
69 132.0 25.1 37.7#
84 109.1 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 25.301 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion: 65 Resp: 49113
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4

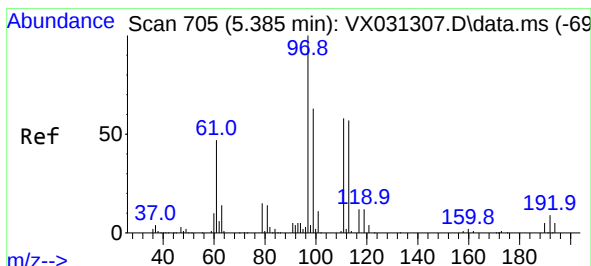
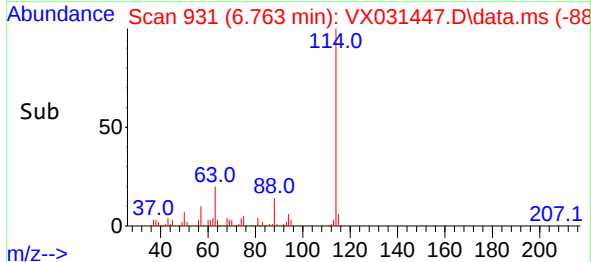
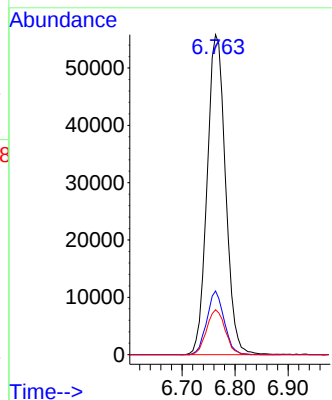
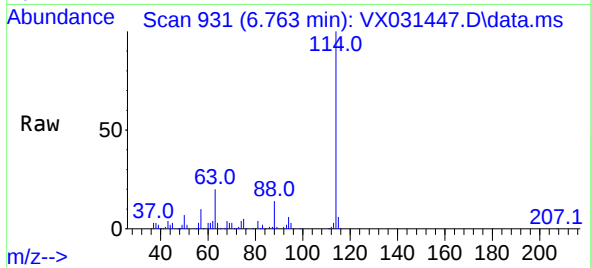




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

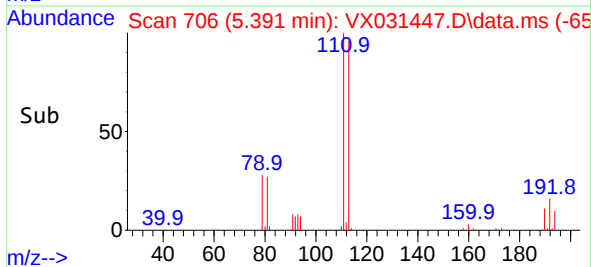
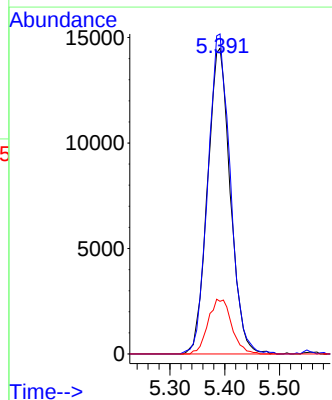
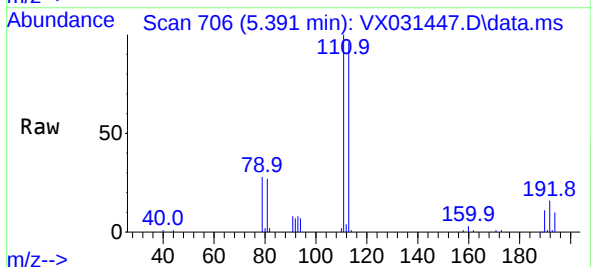
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

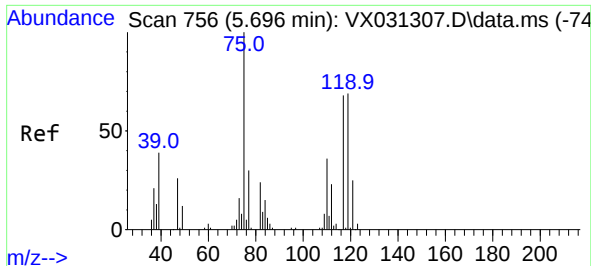
Tgt Ion:114 Resp: 134627
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.6
88 14.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 28.761 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion:113 Resp: 41621
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 18.6 14.1 21.1

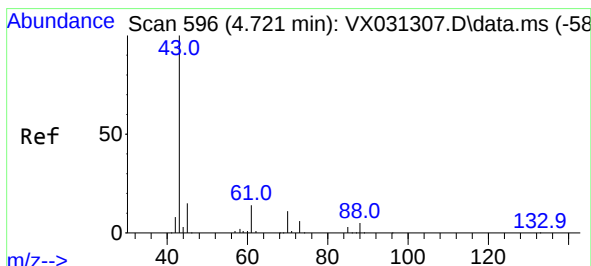
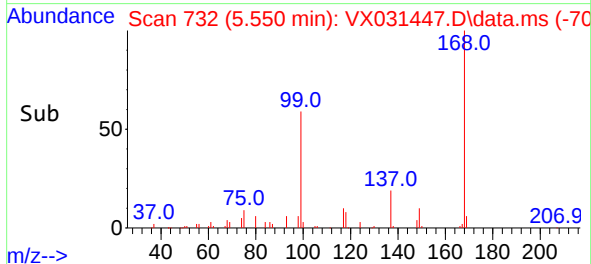
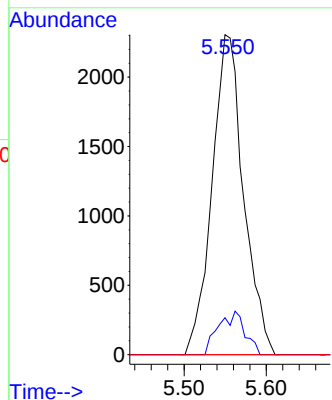
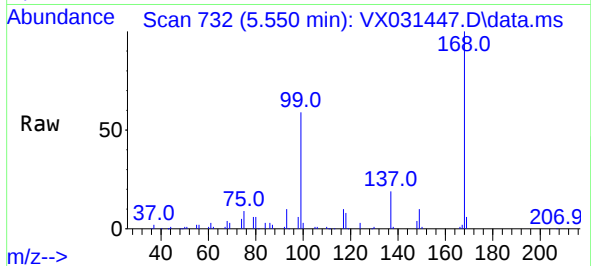




#36
1,1-Dichloropropene
Concen: 3.101 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

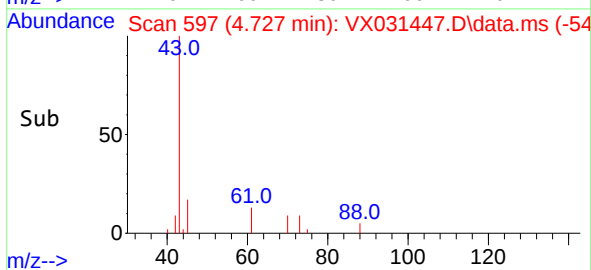
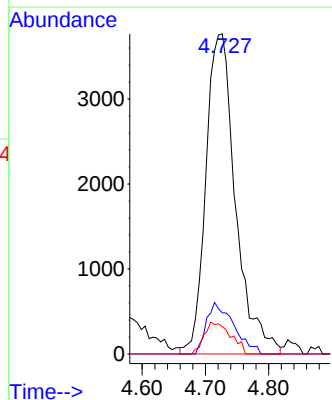
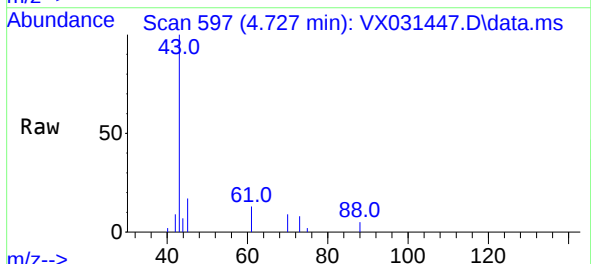
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

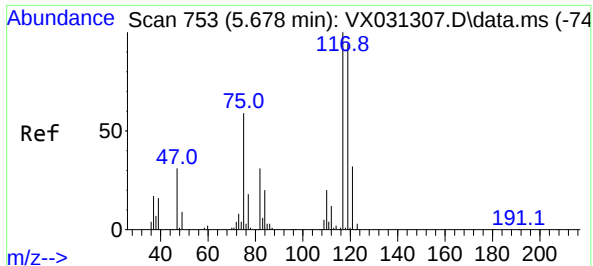
Tgt Ion: 75 Resp: 6143
Ion Ratio Lower Upper
75 100
110 11.4 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.712 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

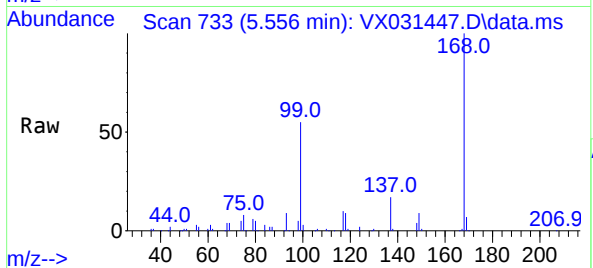
Tgt Ion: 43 Resp: 12265
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 8.8 8.6 13.0



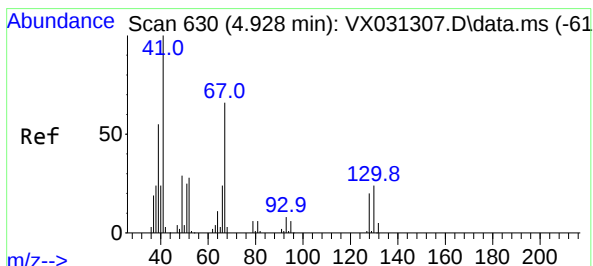
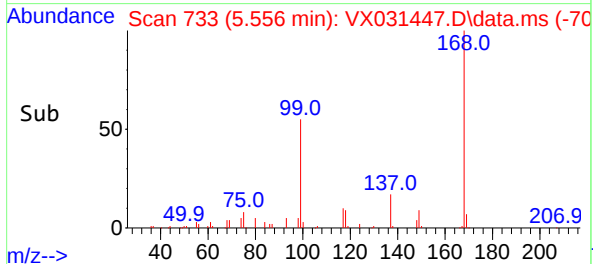
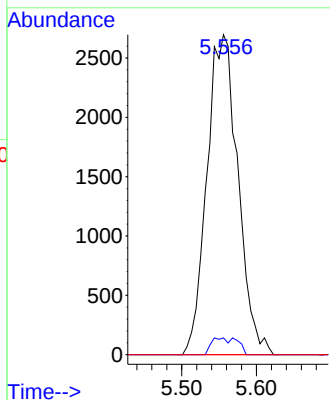


#38
Carbon Tetrachloride
Concen: 3.616 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

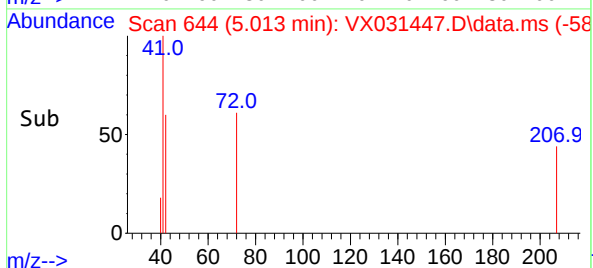
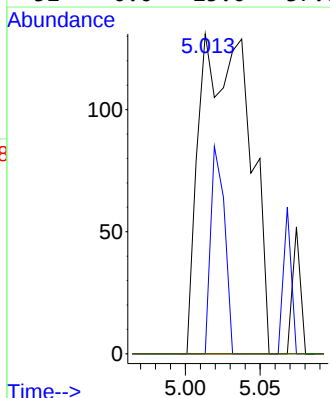
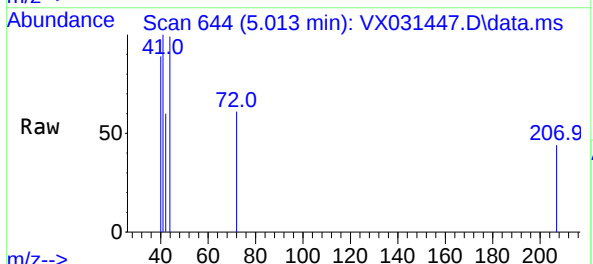


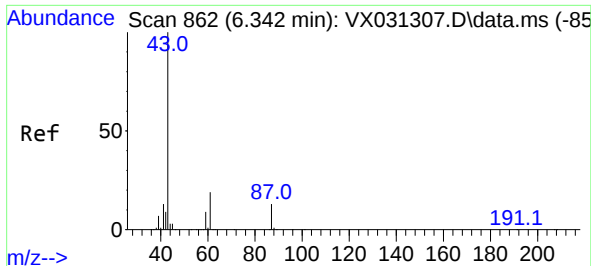
Tgt Ion:117 Resp: 7786
Ion Ratio Lower Upper
117 100
119 5.3 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 0.216 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.085 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion: 41 Resp: 304
Ion Ratio Lower Upper
41 100
39 18.1 45.0 67.6#
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#

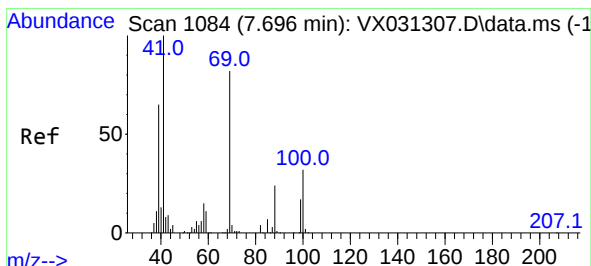
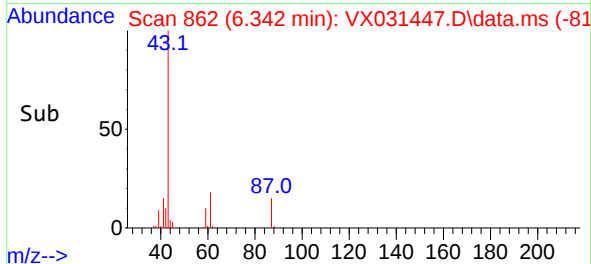
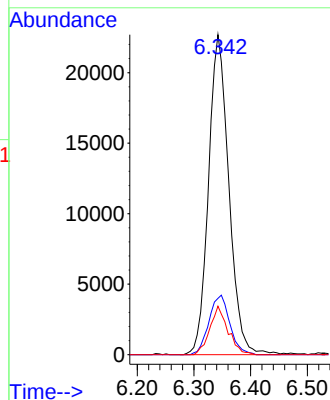
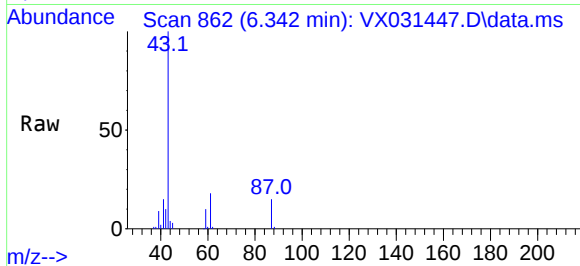




#43
Isopropyl Acetate
Concen: 12.747 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

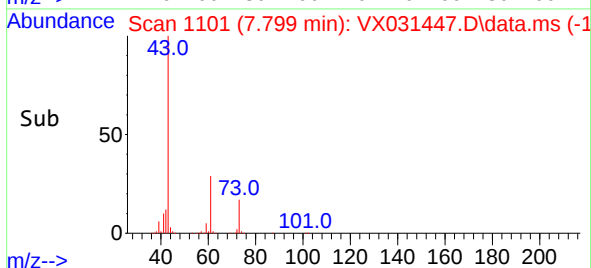
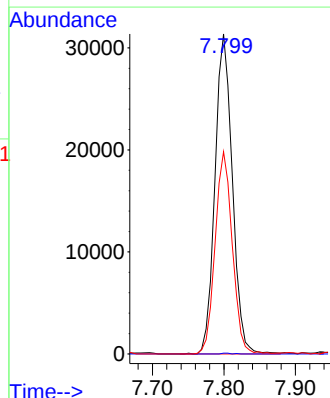
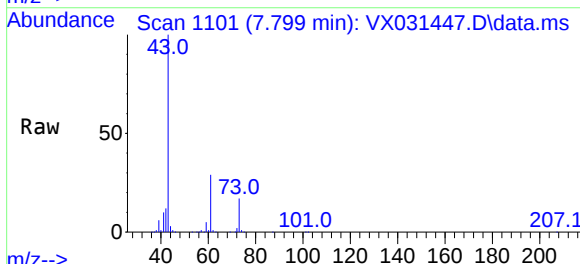
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

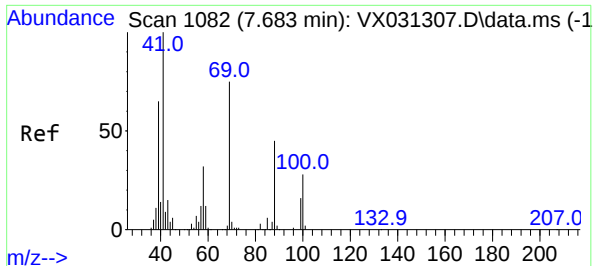
Tgt Ion:	43	Resp:	56635
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.3	22.9
87	13.6	10.6	15.8



#48
Methyl methacrylate
Concen: 26.136 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion:	41	Resp:	52863
Ion	Ratio	Lower	Upper
41	100		
69	0.2	64.6	96.8
39	62.7	51.4	77.0





#49

1,4-Dioxane

Concen: 0.666 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.122 min

Lab File: VX031447.D

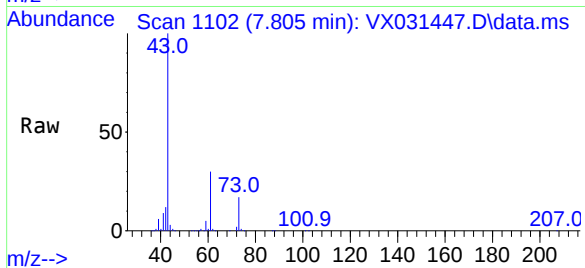
Acq: 17 Sep 2022 06:02

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#16



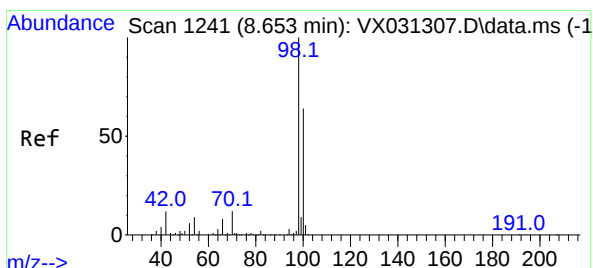
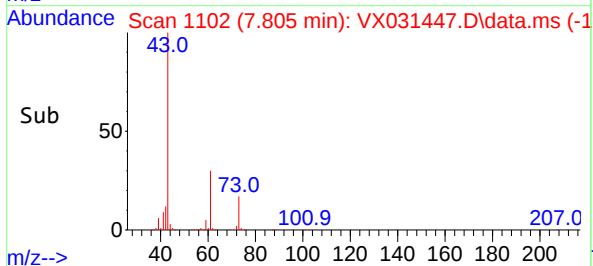
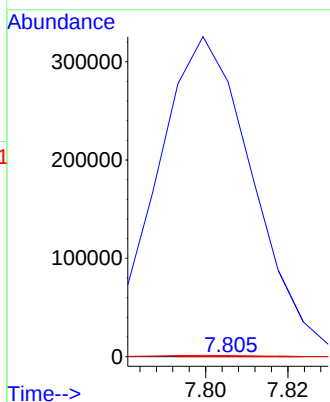
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 2004400.0 27.1 40.7#

58 8859.3 53.9 80.9#



#50

Toluene-d8

Concen: 29.777 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031447.D

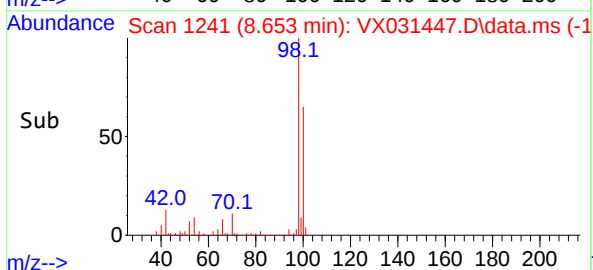
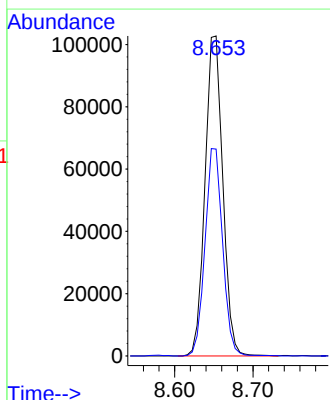
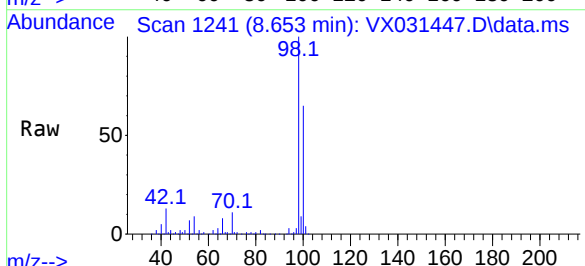
Acq: 17 Sep 2022 06:02

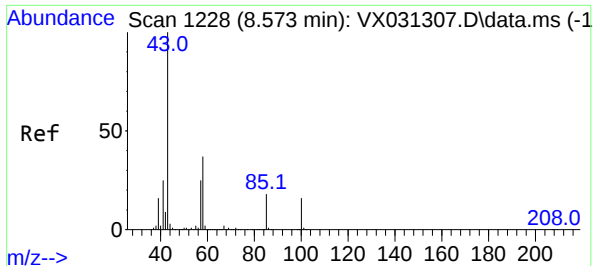
Tgt Ion: 98 Resp: 161644

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 16.976 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

Instrument :

MSVOA_X

ClientSampleId :

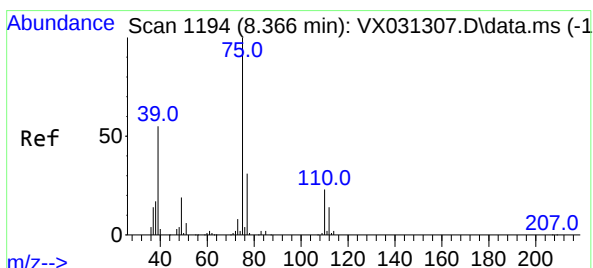
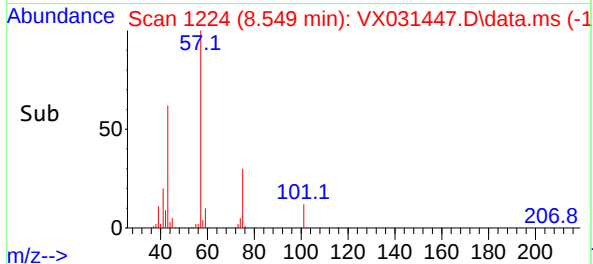
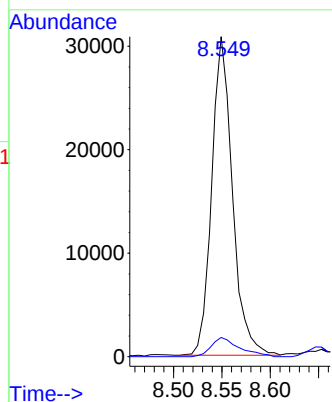
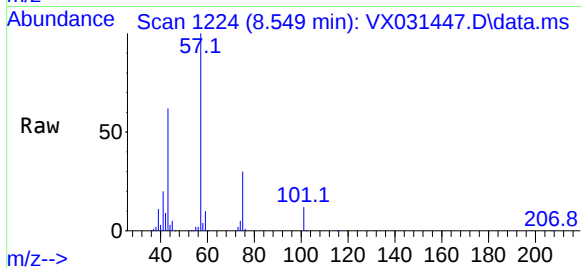
PB147603ZHE#16

Tgt Ion: 43 Resp: 45848

Ion Ratio Lower Upper

43 100

58 8.1 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.812 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

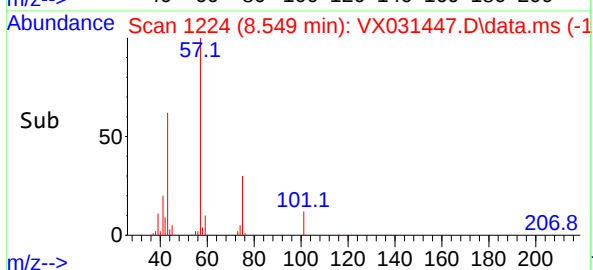
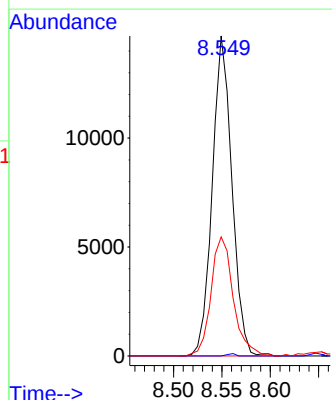
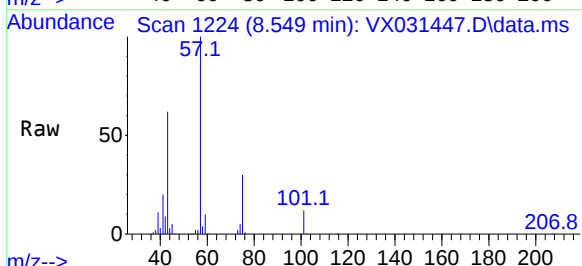
Tgt Ion: 75 Resp: 20751

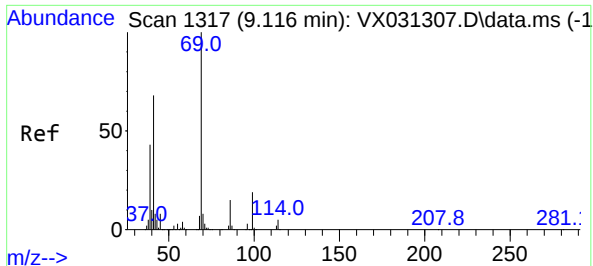
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 37.2 43.7 65.5#





#56

Ethyl methacrylate

Concen: 0.226 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

Instrument :

MSVOA_X

ClientSampleId :

PB147603ZHE#16

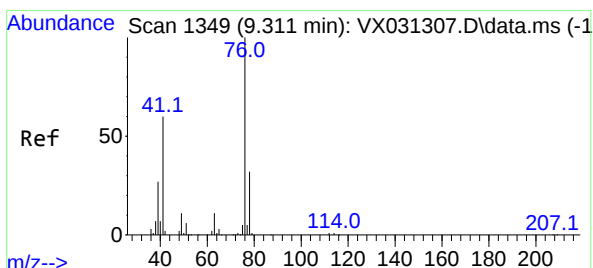
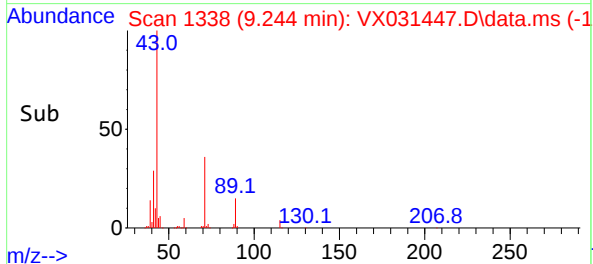
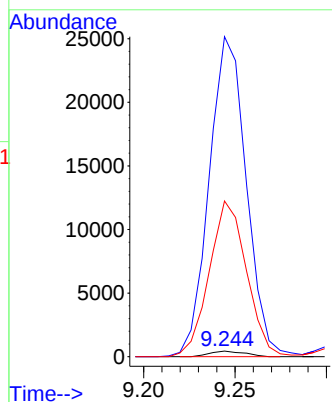
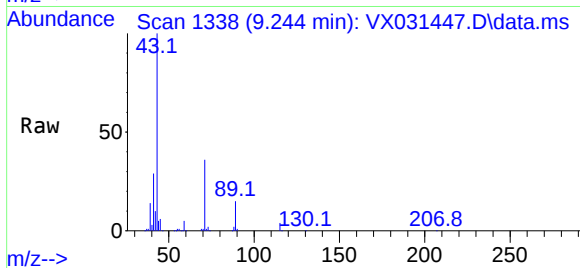
Tgt Ion: 69 Resp: 581

Ion Ratio Lower Upper

69 100

41 6137.0 54.2 81.4#

39 2995.2 34.2 51.2#



#57

1,3-Dichloropropane

Concen: 1.059 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031447.D

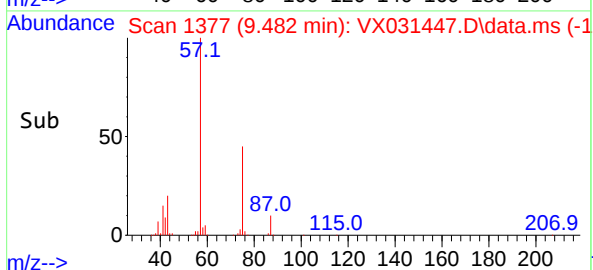
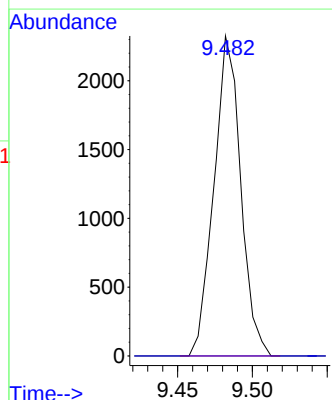
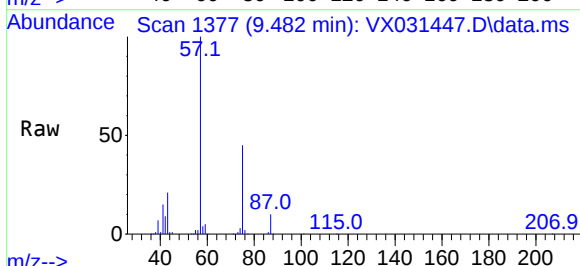
Acq: 17 Sep 2022 06:02

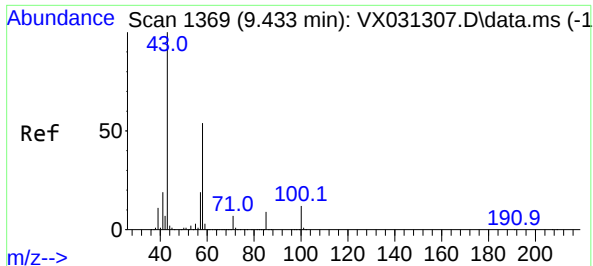
Tgt Ion: 76 Resp: 2891

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 18.094 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

Instrument :

MSVOA_X

ClientSampleId :

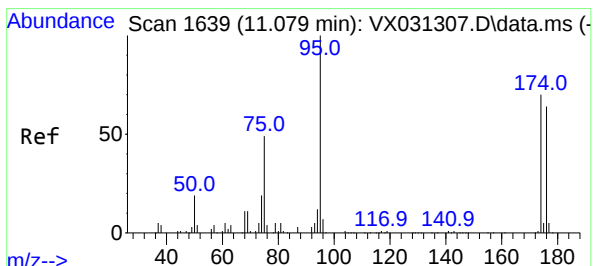
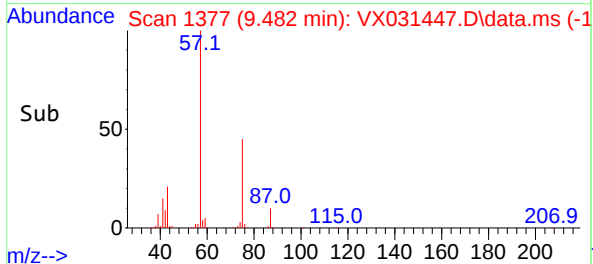
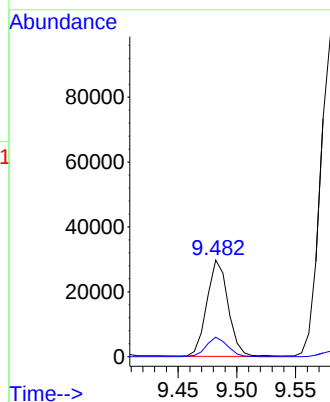
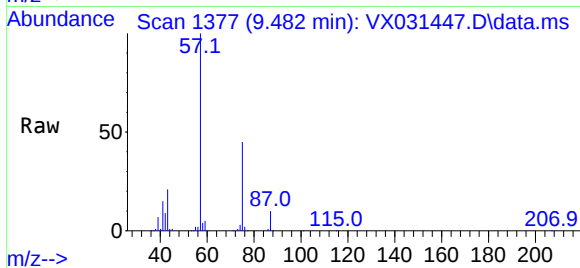
PB147603ZHE#16

Tgt Ion: 43 Resp: 37297

Ion Ratio Lower Upper

43 100

58 20.1 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 26.380 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031447.D

Acq: 17 Sep 2022 06:02

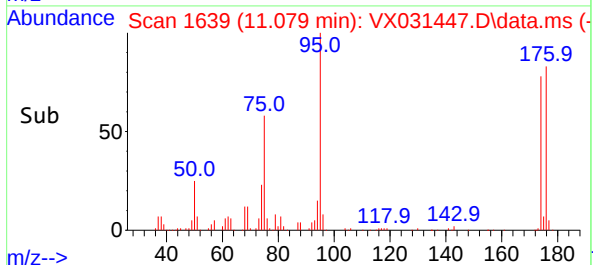
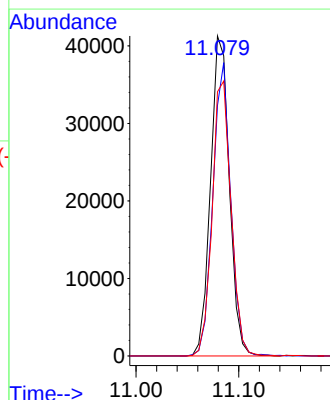
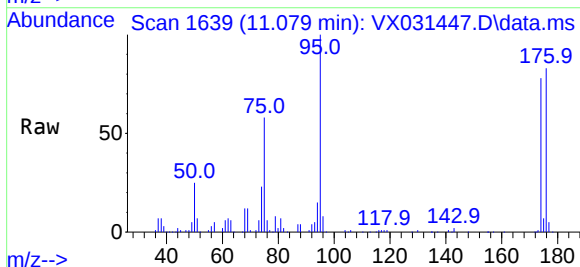
Tgt Ion: 95 Resp: 52439

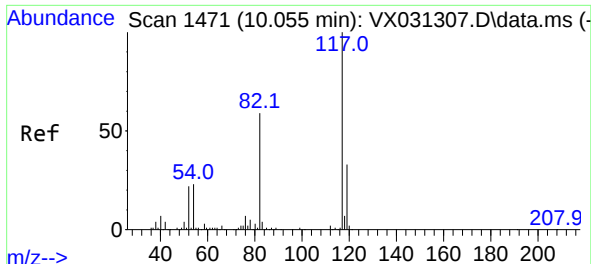
Ion Ratio Lower Upper

95 100

174 87.7 0.0 153.2

176 86.6 0.0 144.0

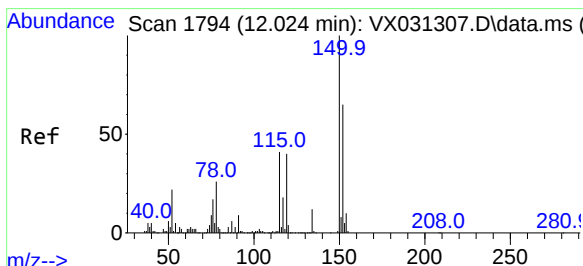
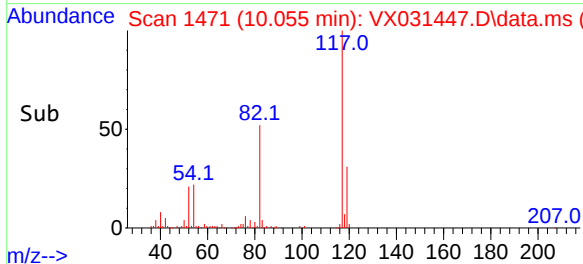
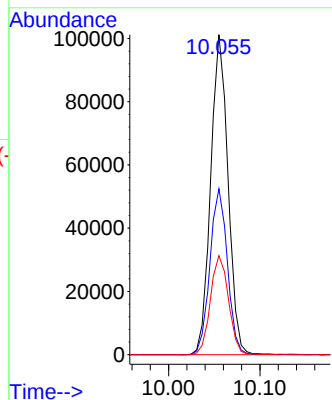
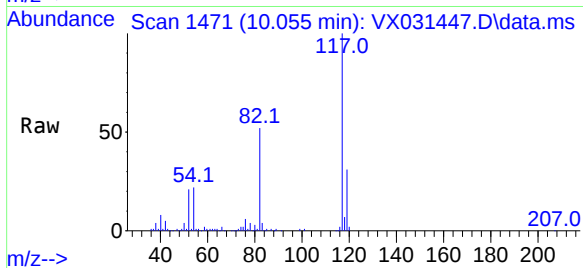




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

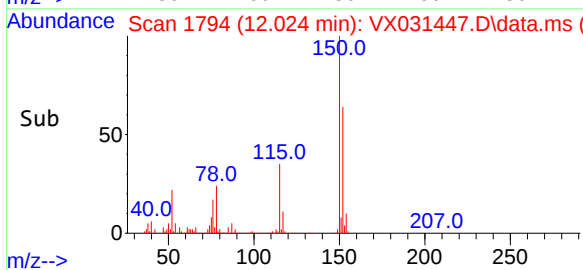
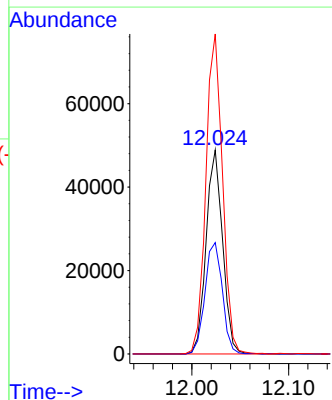
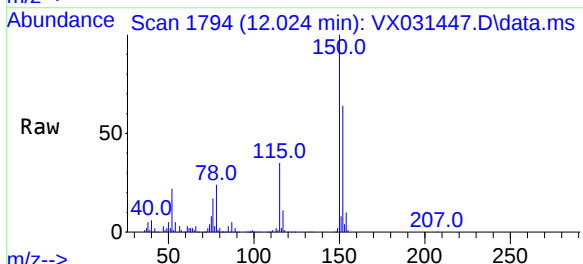
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

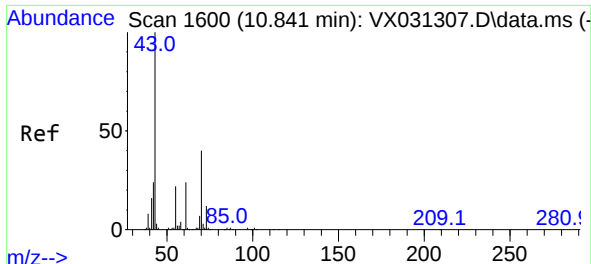
Tgt Ion:117 Resp: 132965
Ion Ratio Lower Upper
117 100
82 51.8 46.8 70.2
119 31.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

Tgt Ion:152 Resp: 58196
Ion Ratio Lower Upper
152 100
115 57.5 43.4 130.1
150 158.0 0.0 346.8

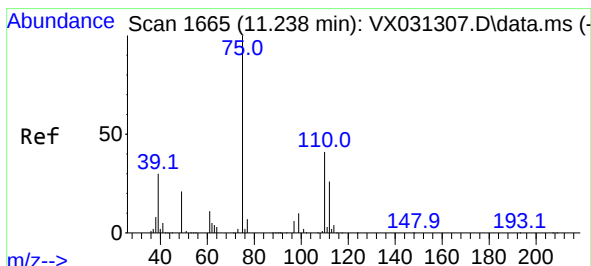
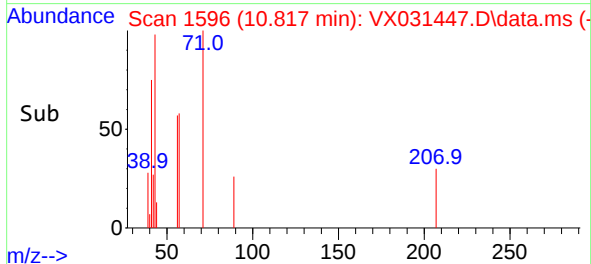
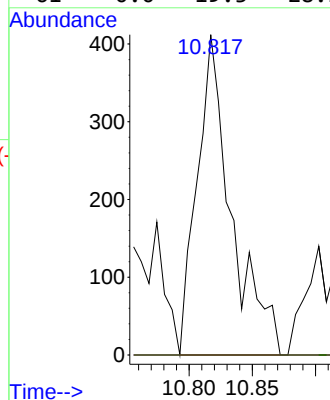
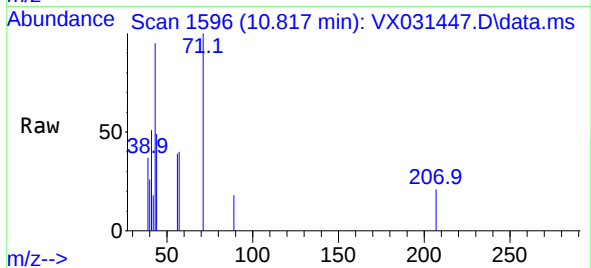




#74
N-amy1 acetate
Concen: 0.363 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

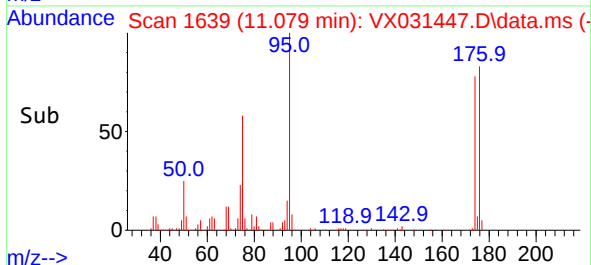
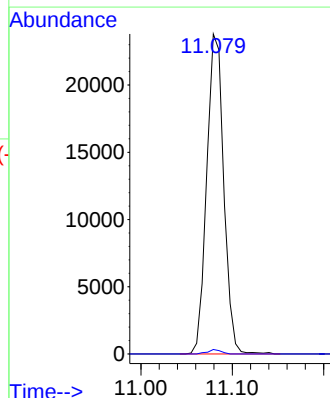
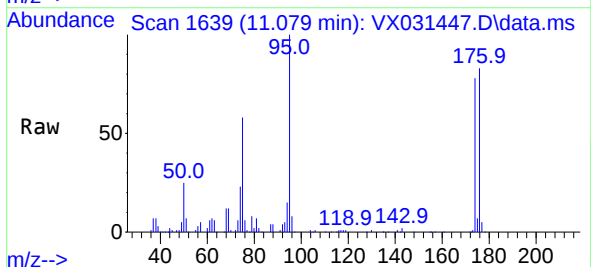
Instrument :
MSVOA_X
ClientSampleId :
PB147603ZHE#16

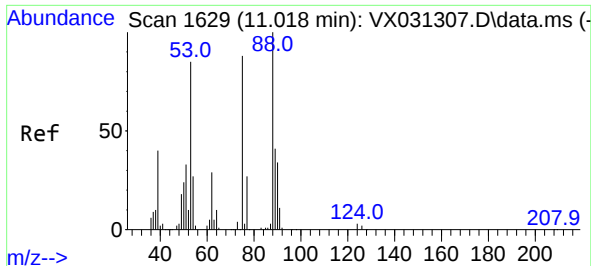
Tgt Ion: 43	Resp: 776
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.2#
55 0.0	18.2 27.2#
61 0.0	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 20.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031447.D
Acq: 17 Sep 2022 06:02

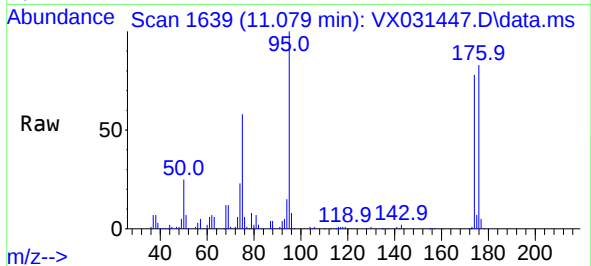
Tgt Ion: 75	Resp: 30695
Ion Ratio	Lower Upper
75 100	
77 1.1	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.914 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX031447.D
 Acq: 17 Sep 2022 06:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147603ZHE#16



Tgt Ion:	75	Resp:	30695
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.6	116.4#
89	0.0	37.4	56.0#

