

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031754.D
 Acq On : 29 Sep 2022 02:56
 Operator : JC/MD
 Sample : PB147944ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147944ZHE#01

Quant Time: Sep 29 04:37:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

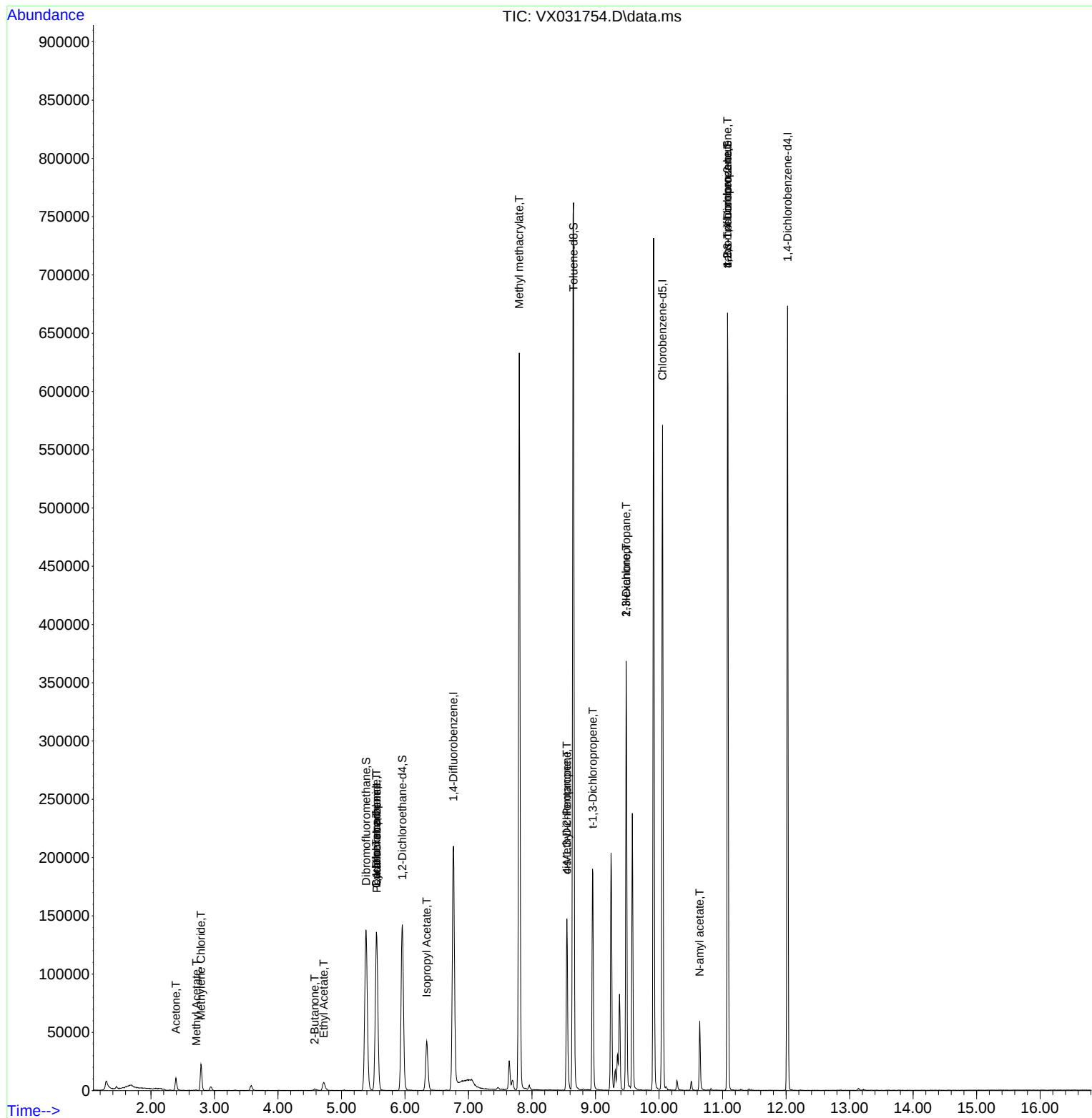
Internal Standards						
1) Pentafluorobenzene	5.556	168	127072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	216578	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137483	50.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.960%			
35) Dibromofluoromethane	5.385	113	116418	45.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.220%			
50) Toluene-d8	8.653	98	467659	49.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	11.079	95	166903	48.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.340%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	333	Below Cal	#	41
5) Bromomethane	1.617	94	263	Below Cal	#	57
6) Chloroethane	1.654	64	552	Below Cal		99
11) Tert butyl alcohol	2.934	59	1994	Below Cal	#	73
12) 1,1-Dichloroethene	2.056	96	48	Below Cal	#	1
13) Acrolein	2.148	56	19	Below Cal	#	15
16) Acetone	2.392	43	12246	0.649	ug/l	91
17) Carbon Disulfide	2.514	76	83	Below Cal	#	75
18) Methyl Acetate	2.715	43	732	0.302	ug/l	# 78
20) Methylene Chloride	2.788	84	10100	4.378	ug/l	89
25) 2-Butanone	4.574	43	1970	1.530	ug/l	# 74
31) Cyclohexane	5.550	56	2829	1.103	ug/l	# 27
36) 1,1-Dichloropropene	5.550	75	9830	3.317	ug/l	# 52
37) Ethyl Acetate	4.721	43	12718	4.255	ug/l	99
38) Carbon Tetrachloride	5.550	117	13395	4.011	ug/l	# 17
43) Isopropyl Acetate	6.342	43	53902	11.457	ug/l	# 94
48) Methyl methacrylate	7.799	41	53701	25.954	ug/l	# 45
49) 1,4-Dioxane	7.799	88	50	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.549	43	47007	15.785	ug/l	# 51
53) t-1,3-Dichloropropene	8.958	75	476	2.009	ug/l	# 44
54) cis-1,3-Dichloropropene	8.549	75	24329	7.313	ug/l	# 62
57) 1,3-Dichloropropane	9.482	76	3559	0.860	ug/l	# 43
59) 2-Hexanone	9.482	43	37104	16.699	ug/l	# 56
74) N-amyl acetate	10.640	43	13119	4.595	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	86804	35.182	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	11.079	75	86804	115.437	ug/l	# 11

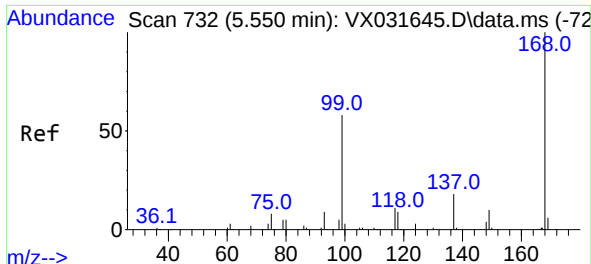
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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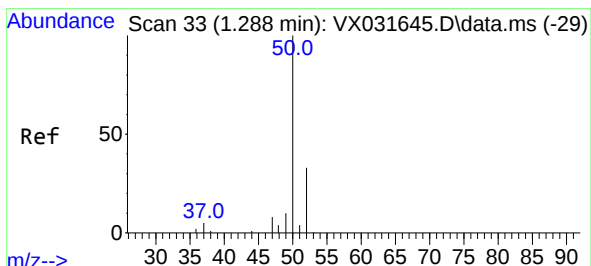
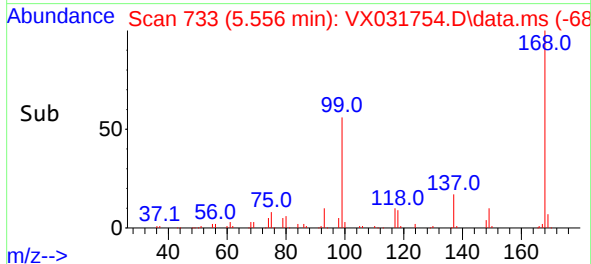
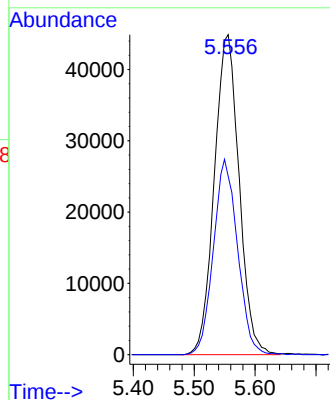
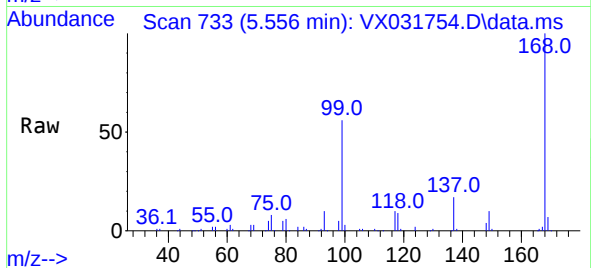




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

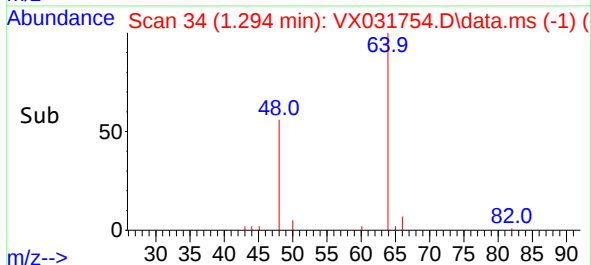
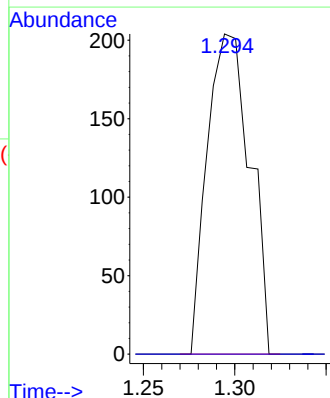
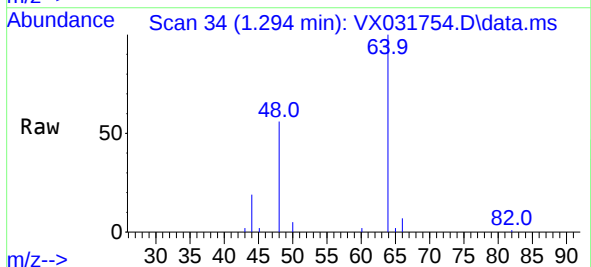
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

Tgt Ion:168 Resp: 127072
Ion Ratio Lower Upper
168 100
99 55.8 48.8 73.2

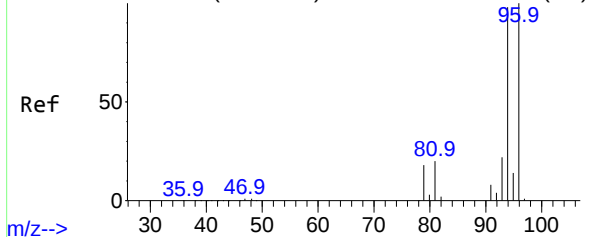


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 50 Resp: 333
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.617 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

Instrument :

MSVOA_X

ClientSampleId :

PB147944ZHE#01

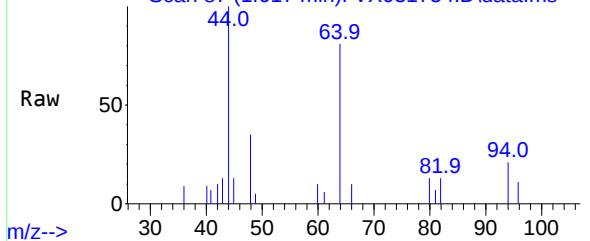
Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

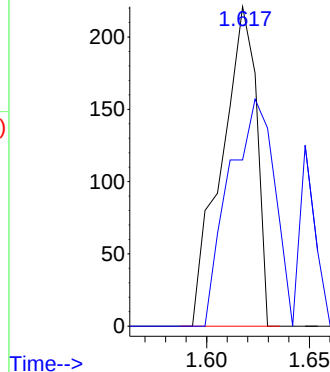
94 100

96 52.0 74.4 111.6#

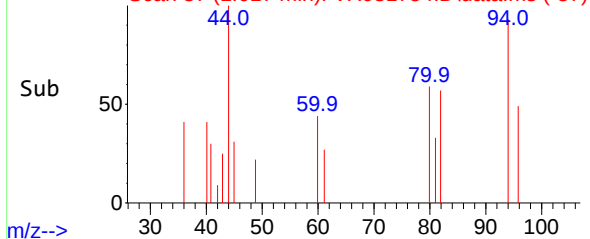
Abundance Scan 87 (1.617 min): VX031754.D\data.ms



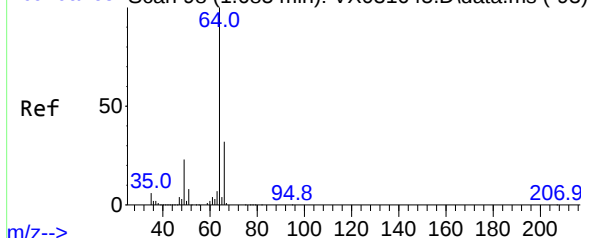
Abundance



Abundance Scan 87 (1.617 min): VX031754.D\data.ms (-37)



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.654 min Scan# 93

Delta R.T. -0.031 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

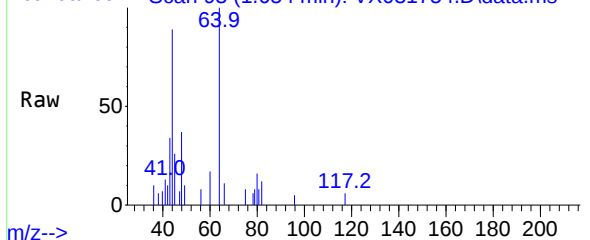
Tgt Ion: 64 Resp: 552

Ion Ratio Lower Upper

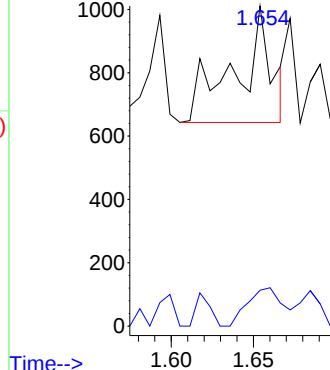
64 100

66 30.7 25.0 37.4

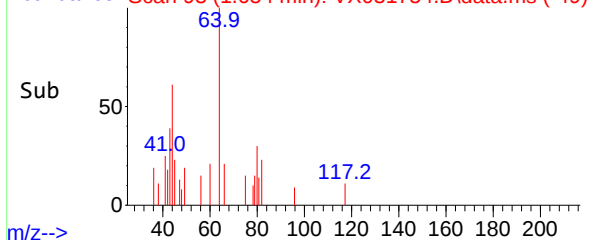
Abundance Scan 93 (1.654 min): VX031754.D\data.ms

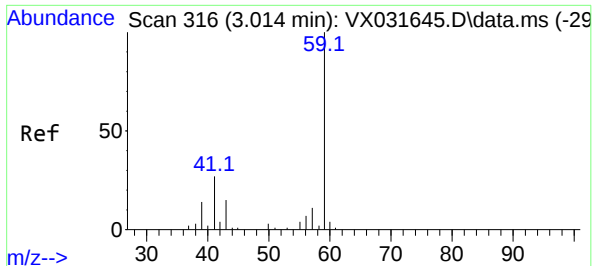


Abundance



Abundance Scan 93 (1.654 min): VX031754.D\data.ms (-49)





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.934 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

Instrument :

MSVOA_X

ClientSampleId :

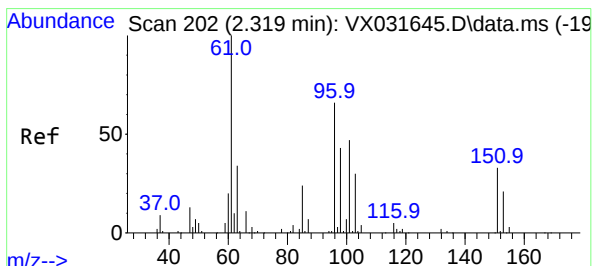
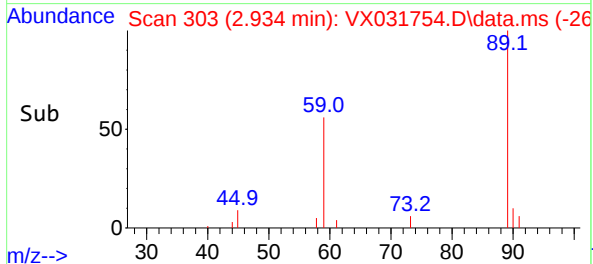
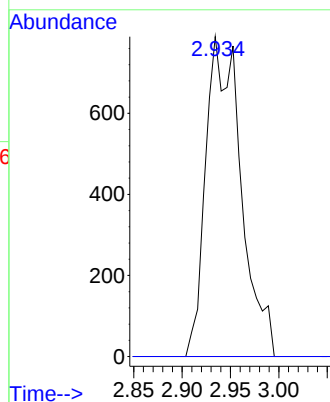
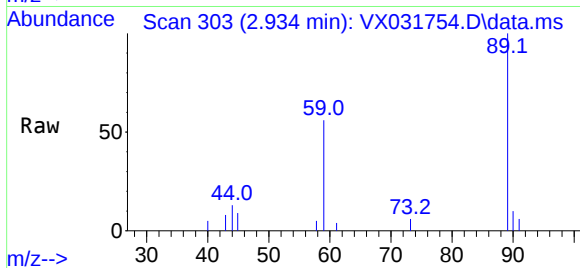
PB147944ZHE#01

Tgt Ion: 59 Resp: 1994

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 2.056 min Scan# 159

Delta R.T. -0.263 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

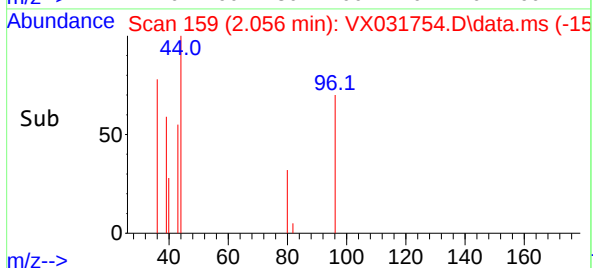
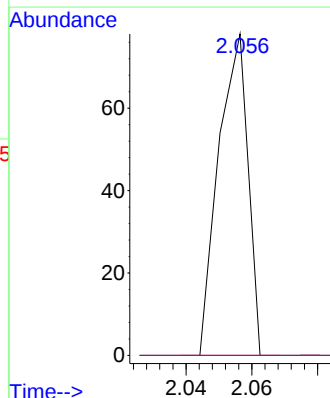
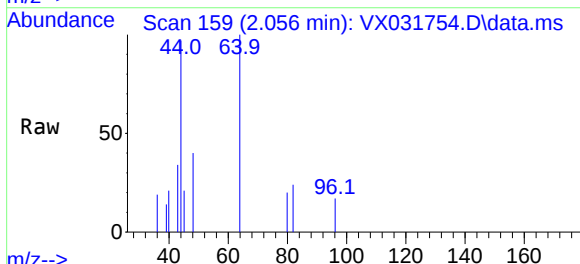
Tgt Ion: 96 Resp: 48

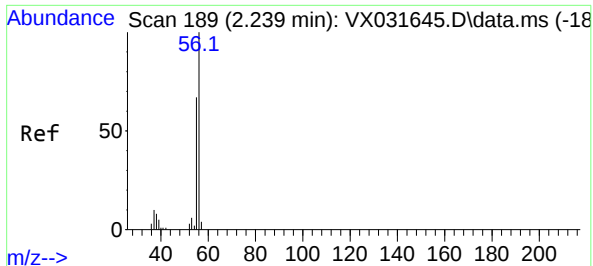
Ion Ratio Lower Upper

96 100

61 0.0 135.3 202.9#

98 0.0 49.4 74.2#





#13

Acrolein

Concen: Below Cal

RT: 2.148 min Scan# 11

Delta R.T. -0.091 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

Instrument :

MSVOA_X

ClientSampleId :

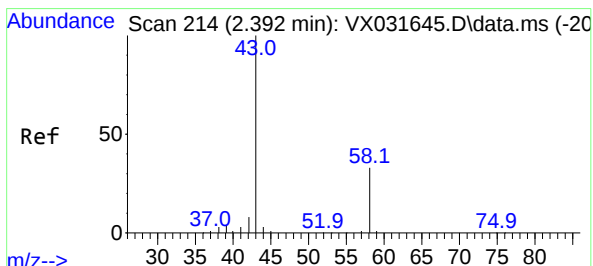
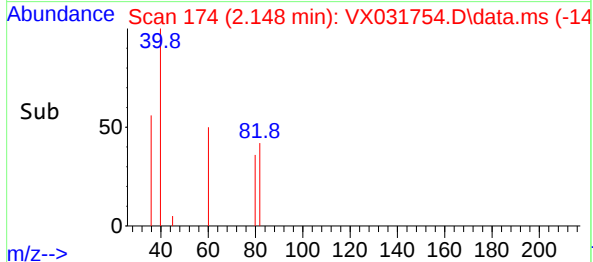
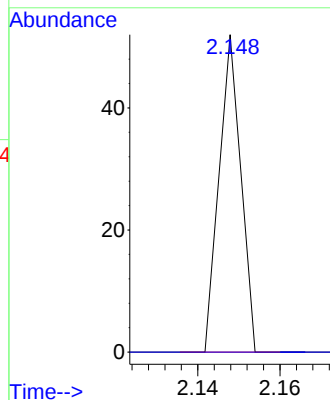
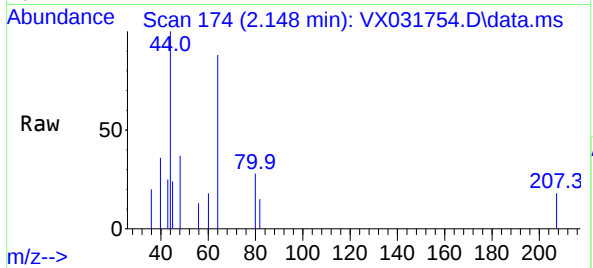
PB147944ZHE#01

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#16

Acetone

Concen: 0.649 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031754.D

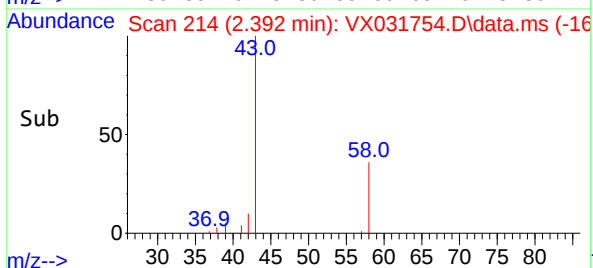
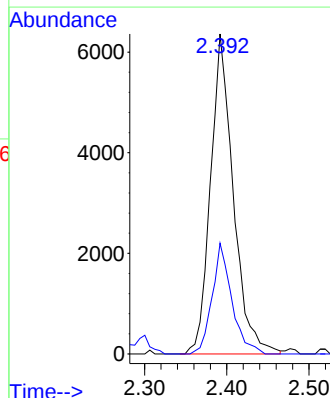
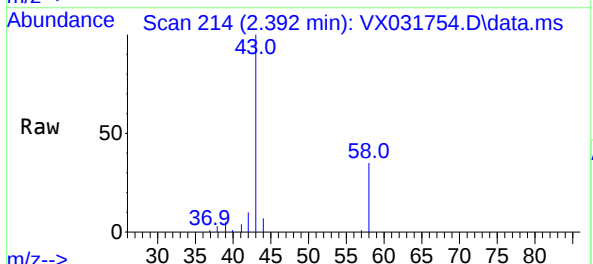
Acq: 29 Sep 2022 02:56

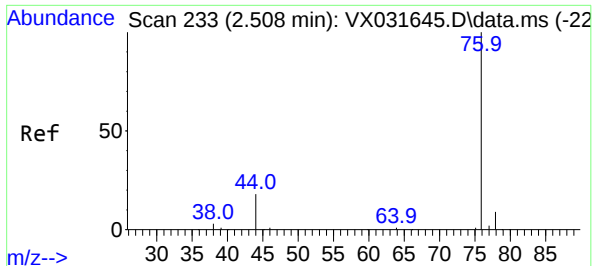
Tgt Ion: 43 Resp: 12246

Ion Ratio Lower Upper

43 100

58 34.6 23.8 35.8

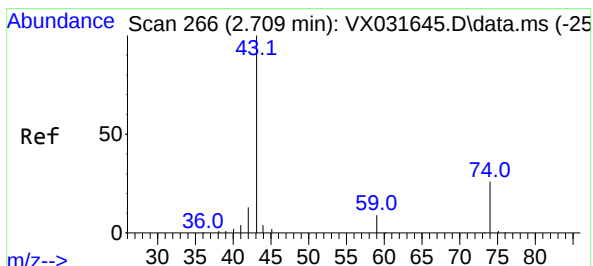
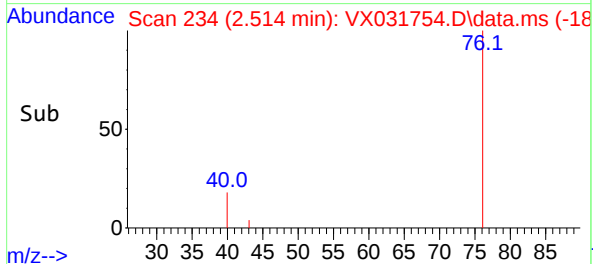
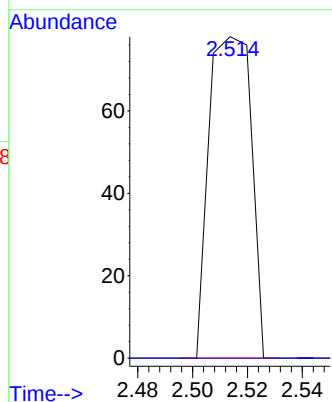
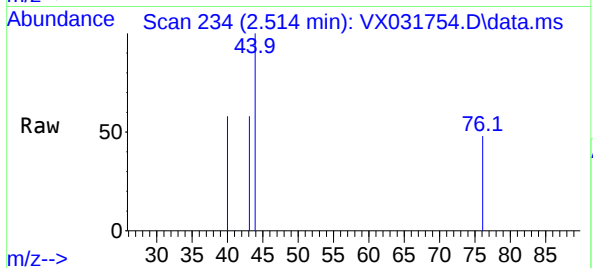




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

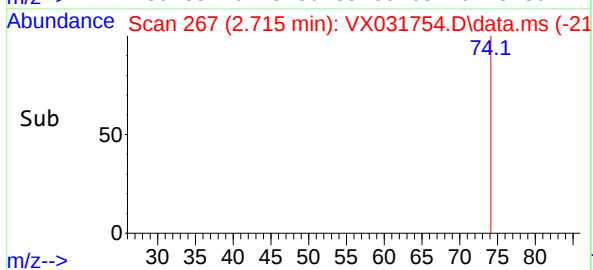
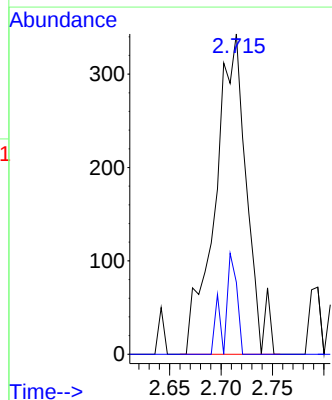
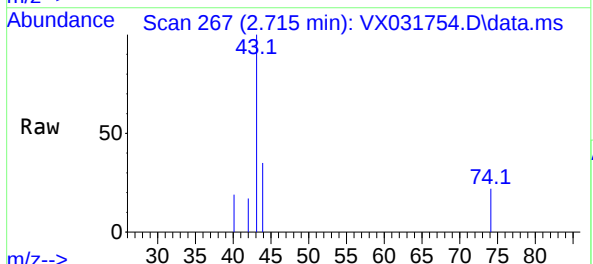
Instrument :
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ClientSampleId :
PB147944ZHE#01

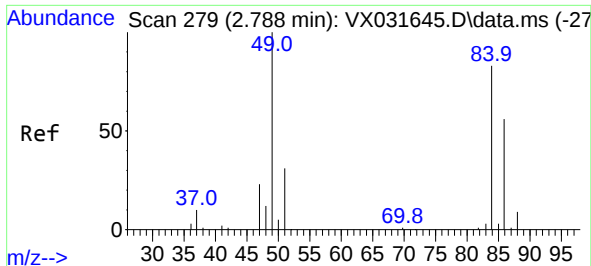
Tgt Ion: 76 Resp: 83
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.302 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
74 12.4 18.6 27.8#



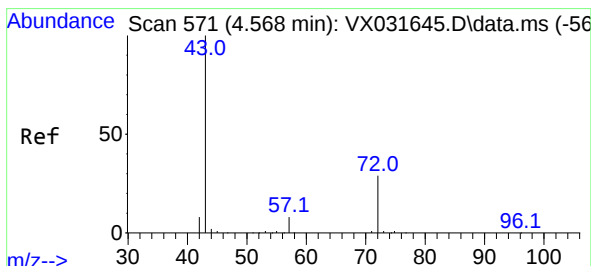
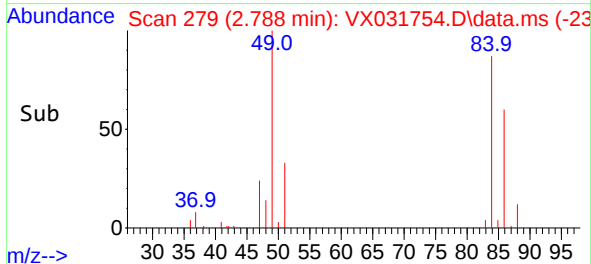
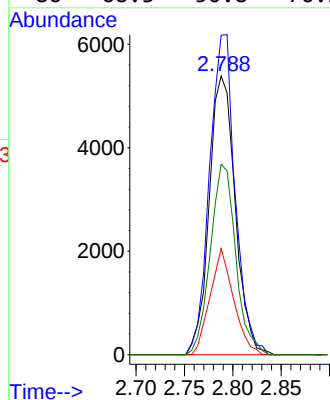
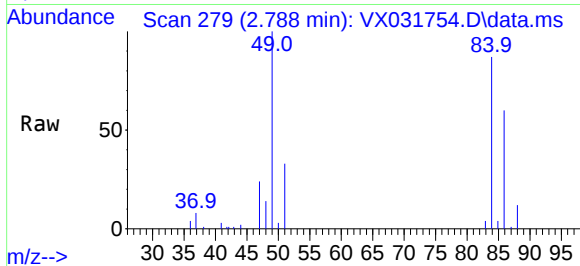


#20
Methylene Chloride
Concen: 4.378 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

Tgt Ion: 84 Resp: 10100

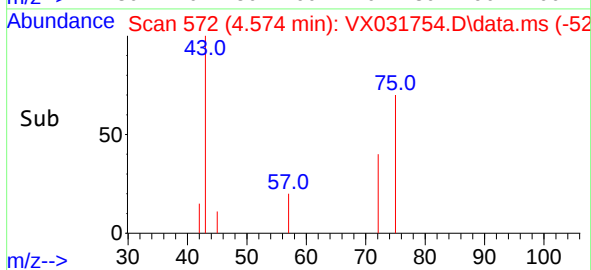
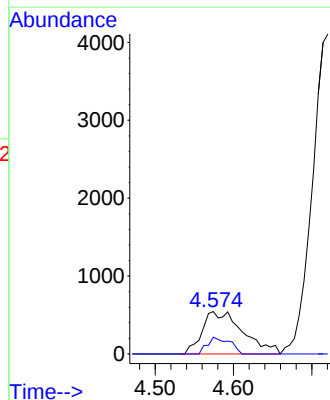
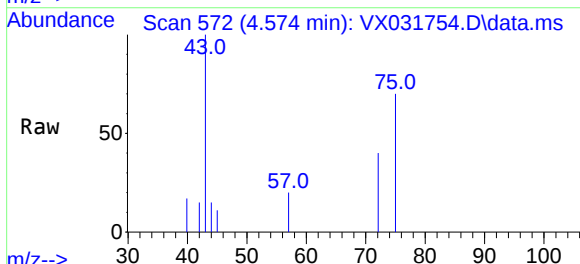
Ion	Ratio	Lower	Upper
84	100		
49	114.6	105.9	158.9
51	38.1	32.2	48.2
86	68.3	50.8	76.2

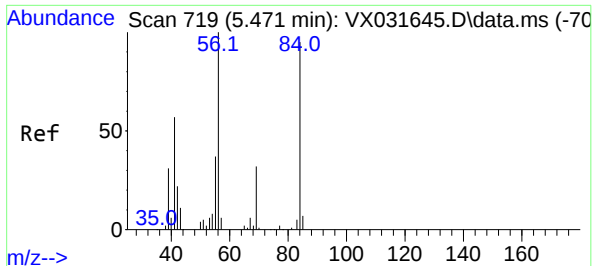


#25
2-Butanone
Concen: 1.530 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 43 Resp: 1970

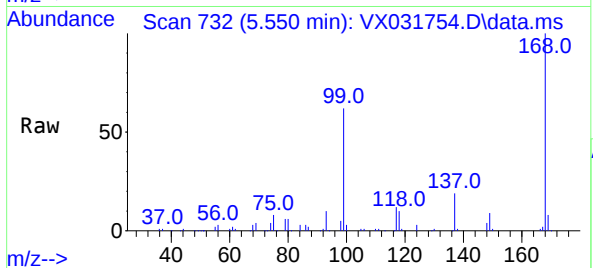
Ion	Ratio	Lower	Upper
43	100		
72	39.5	21.1	31.7#



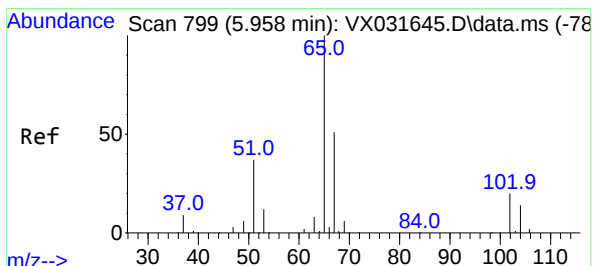
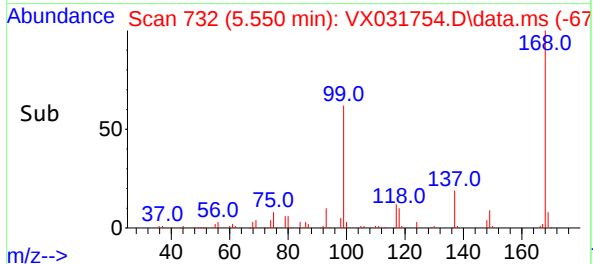
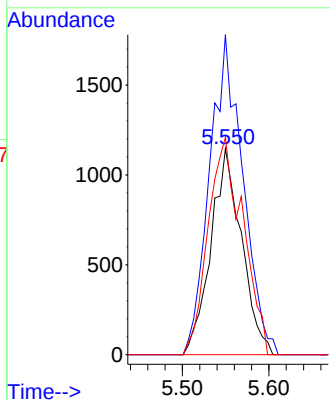


#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

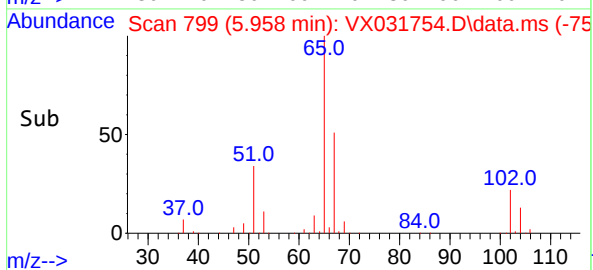
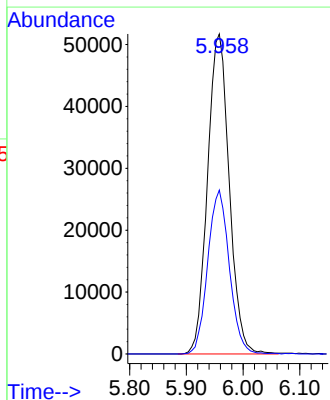
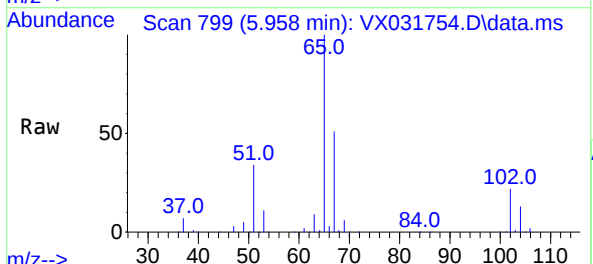


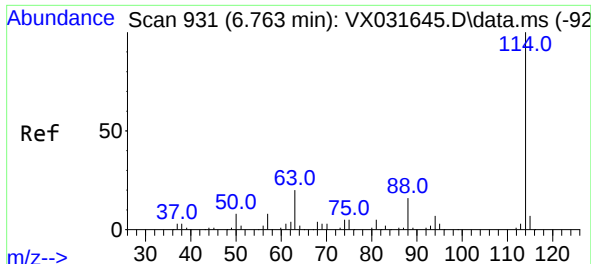
Tgt Ion: 56 Resp: 2829
Ion Ratio Lower Upper
56 100
69 155.3 25.1 37.7#
84 105.6 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 50.977 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 65 Resp: 137483
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

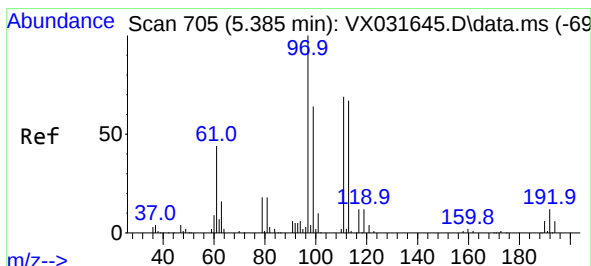
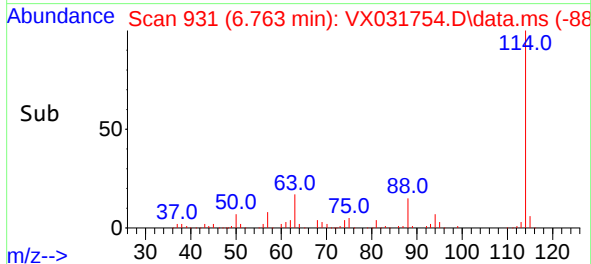
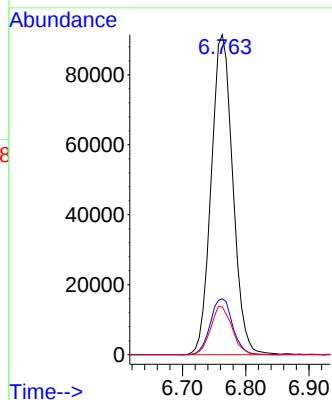
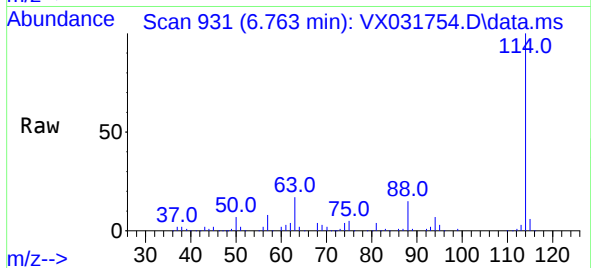




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

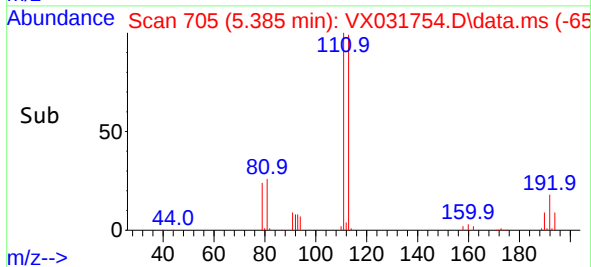
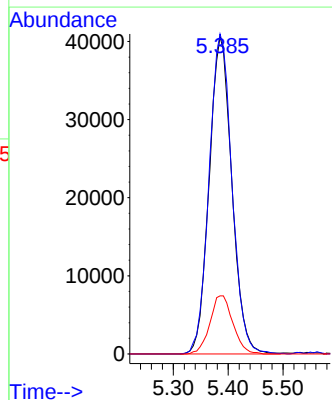
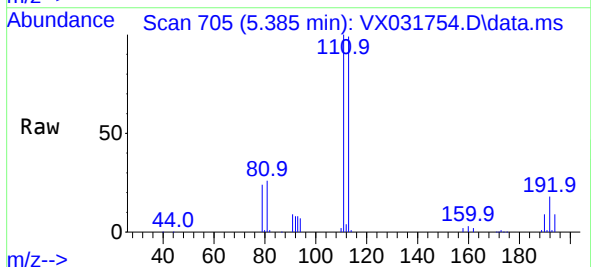
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

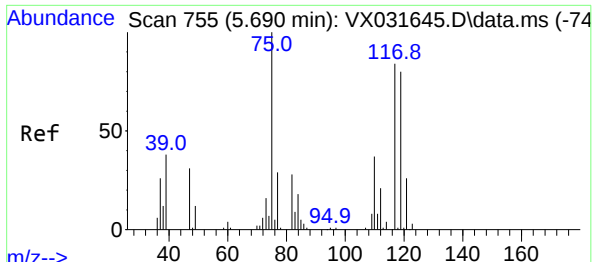
Tgt Ion:114 Resp: 216578
Ion Ratio Lower Upper
114 100
63 17.5 0.0 42.6
88 14.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 45.113 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion:113 Resp: 116418
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 18.6 14.1 21.1

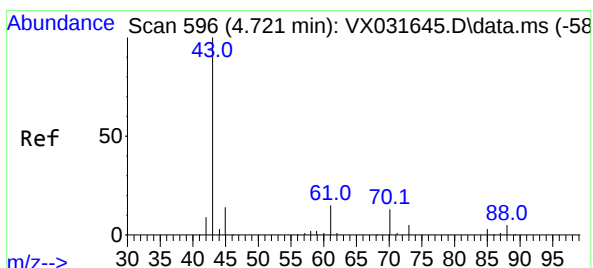
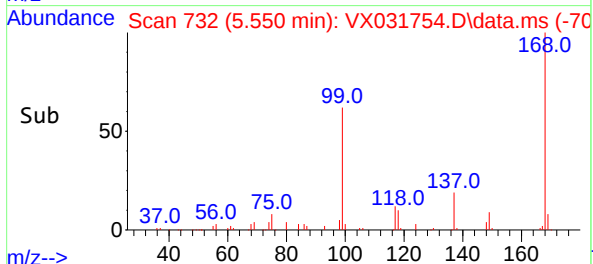
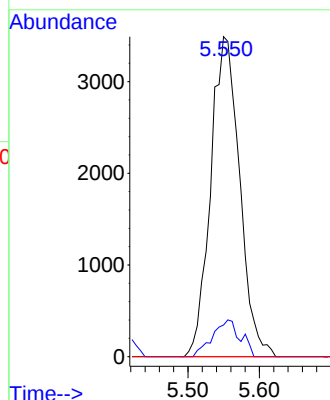
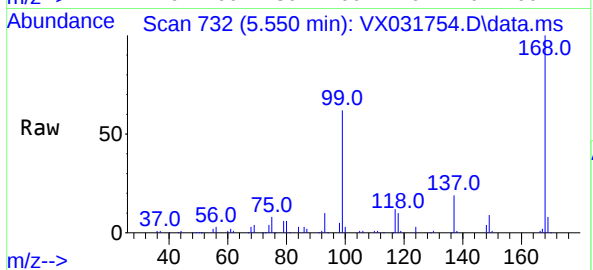




#36
1,1-Dichloropropene
Concen: 3.317 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

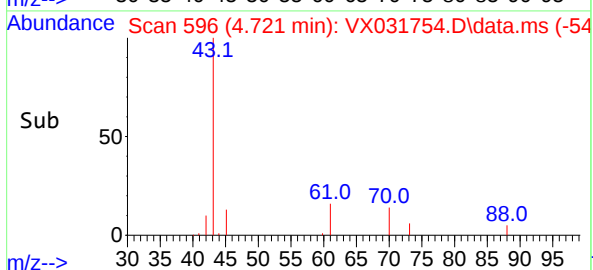
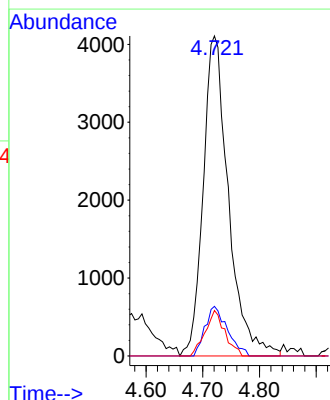
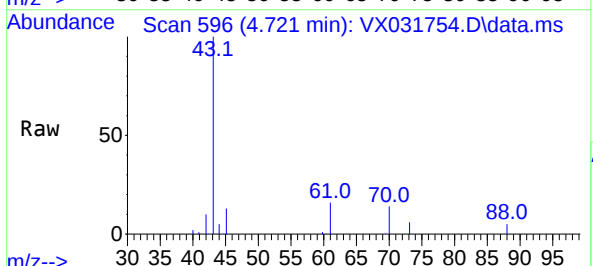
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

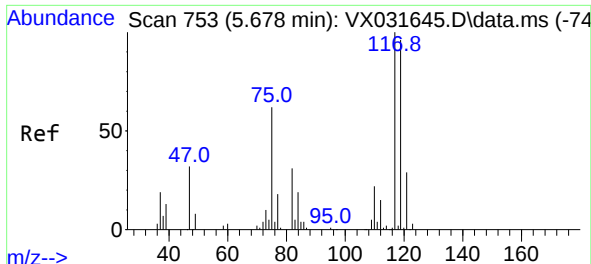
Tgt Ion: 75 Resp: 9830
Ion Ratio Lower Upper
75 100
110 11.0 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.255 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

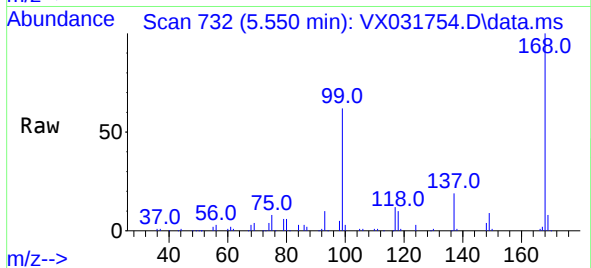
Tgt Ion: 43 Resp: 12718
Ion Ratio Lower Upper
43 100
61 13.7 11.1 16.7
70 11.1 8.6 13.0



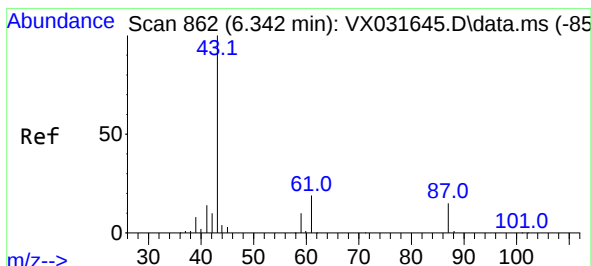
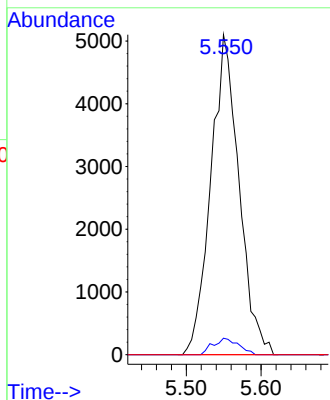
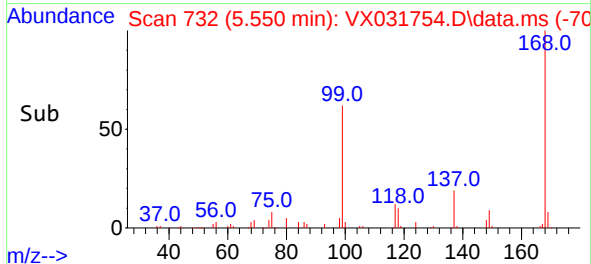


#38
Carbon Tetrachloride
Concen: 4.011 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

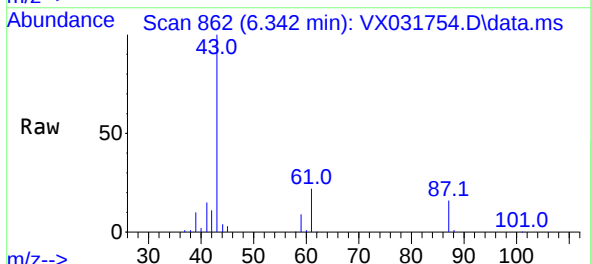
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01



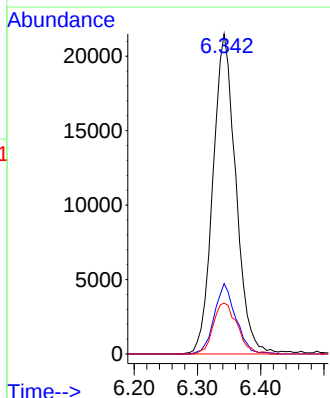
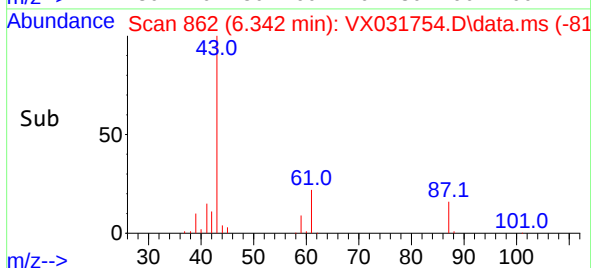
Tgt Ion:117 Resp: 13395
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#

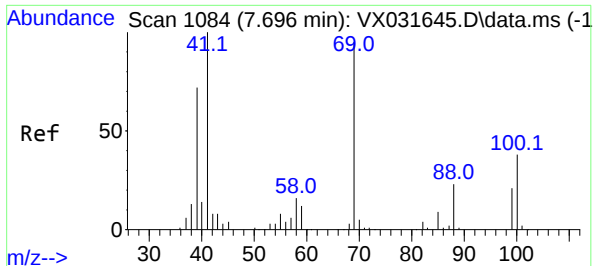


#43
Isopropyl Acetate
Concen: 11.457 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56



Tgt Ion: 43 Resp: 53902
Ion Ratio Lower Upper
43 100
61 20.6 15.3 22.9
87 16.7 10.6 15.8#





#48

Methyl methacrylate

Concen: 25.954 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

Instrument :

MSVOA_X

ClientSampleId :

PB147944ZHE#01

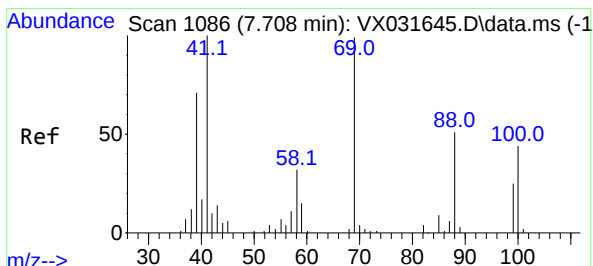
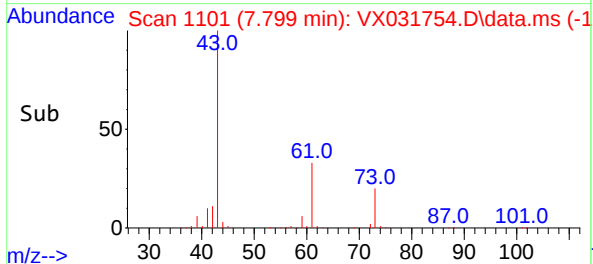
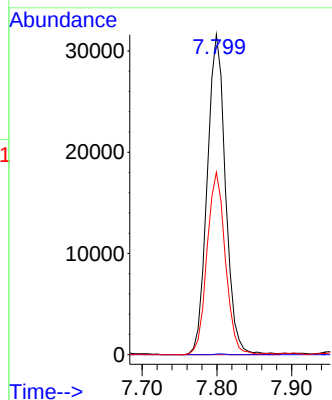
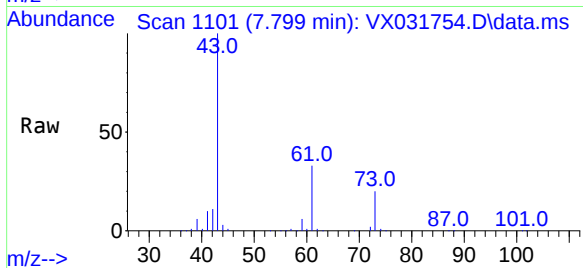
Tgt Ion: 41 Resp: 53701

Ion Ratio Lower Upper

41 100

69 0.1 64.6 96.8#

39 57.0 51.4 77.0



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

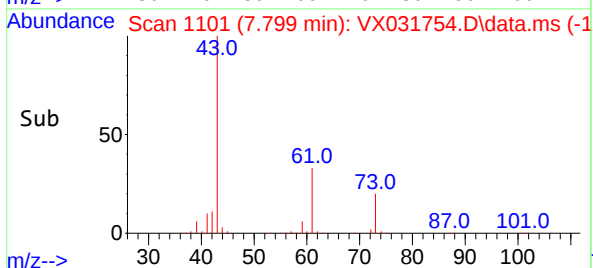
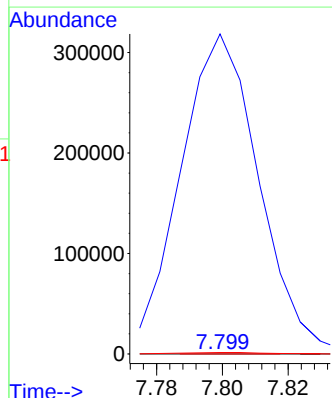
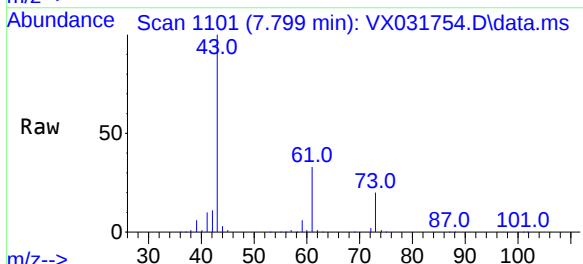
Tgt Ion: 88 Resp: 50

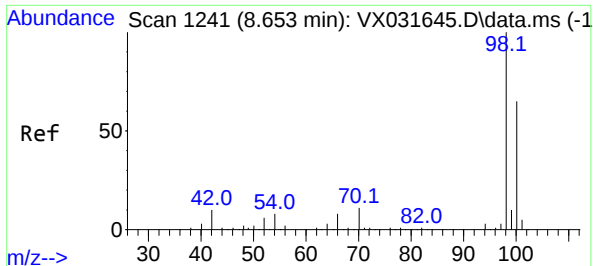
Ion Ratio Lower Upper

88 100

43 1072814.0 27.1 40.7#

58 5290.0 53.9 80.9#

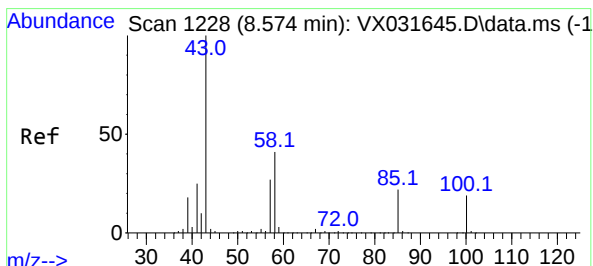
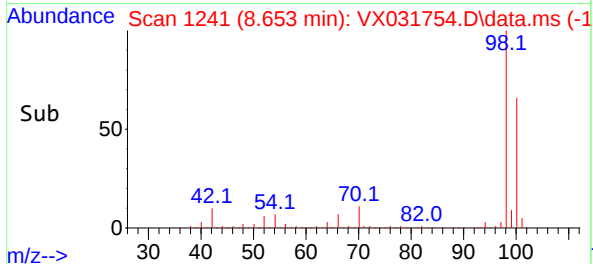
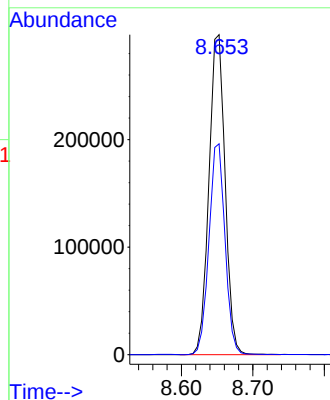
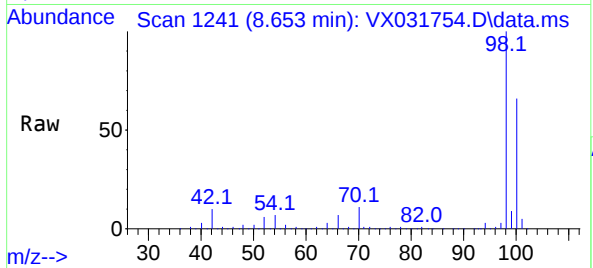




#50
Toluene-d8
Concen: 49.987 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

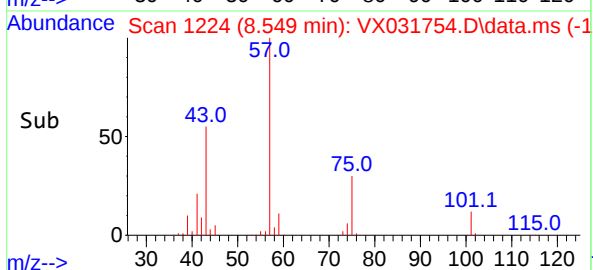
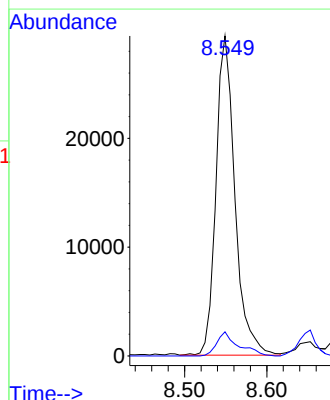
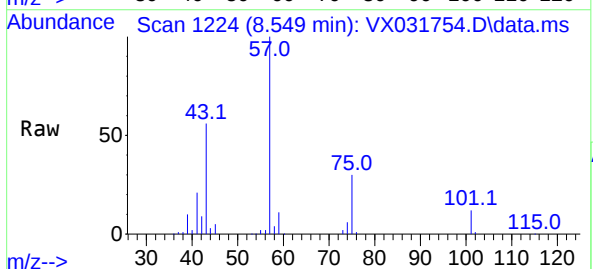
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

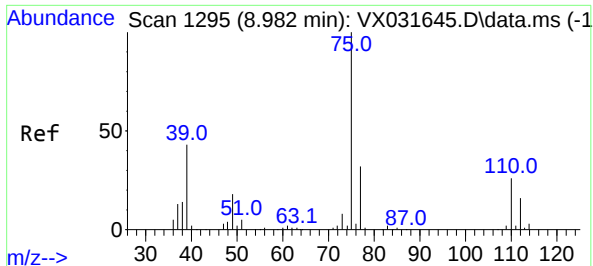
Tgt Ion: 98 Resp: 467659
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 15.785 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 43 Resp: 47007
Ion Ratio Lower Upper
43 100
58 8.7 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 2.009 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

Instrument :

MSVOA_X

ClientSampleId :

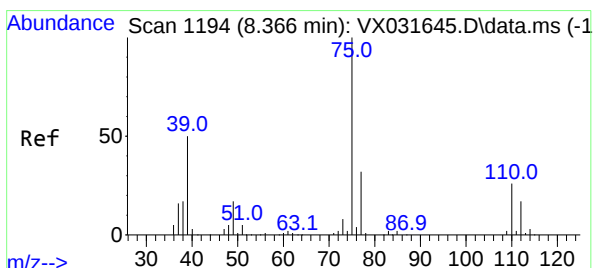
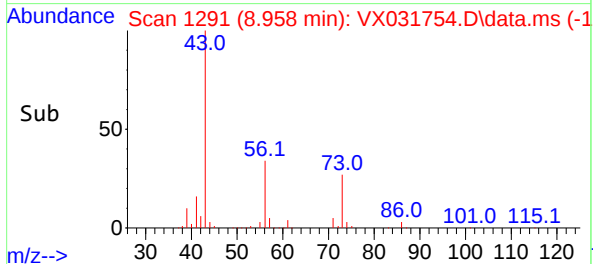
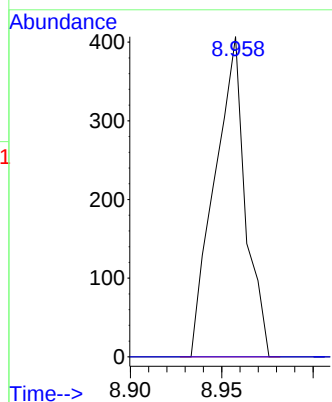
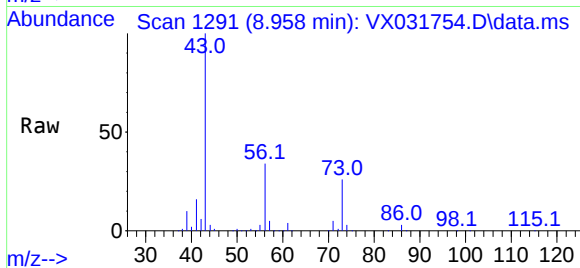
PB147944ZHE#01

Tgt Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 7.313 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031754.D

Acq: 29 Sep 2022 02:56

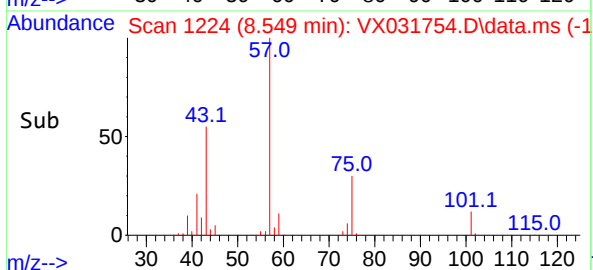
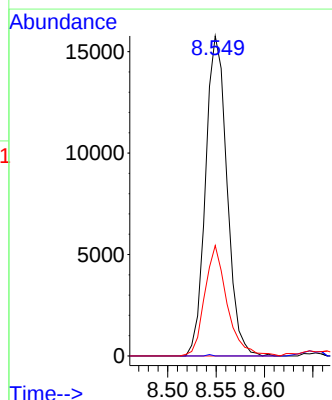
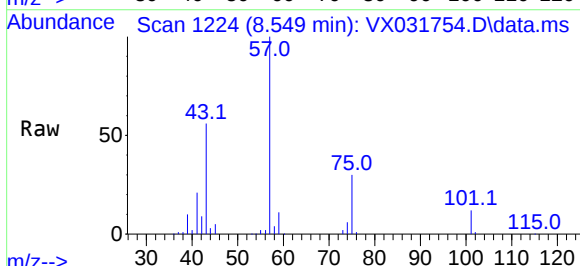
Tgt Ion: 75 Resp: 24329

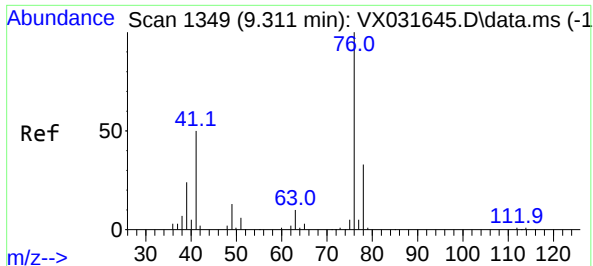
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 34.5 43.7 65.5#

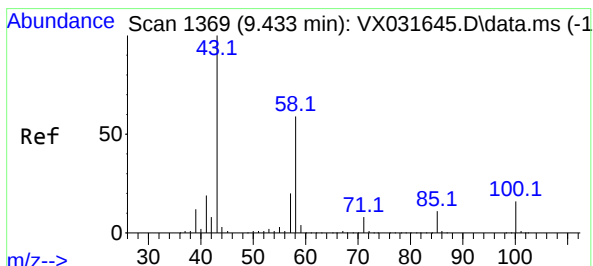
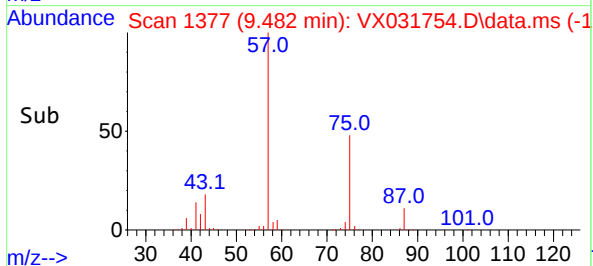
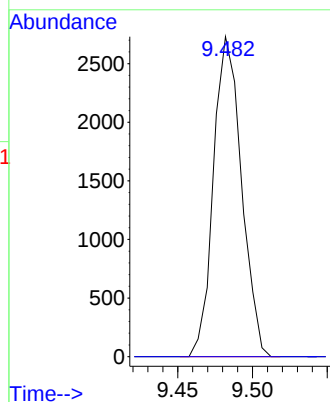
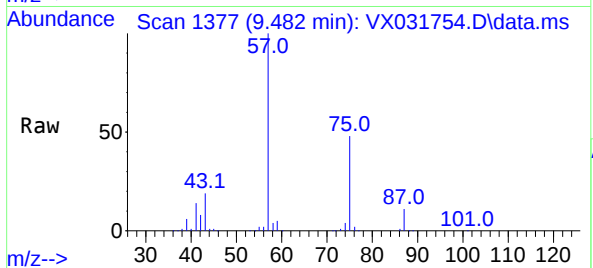




#57
1,3-Dichloropropane
Concen: 0.860 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

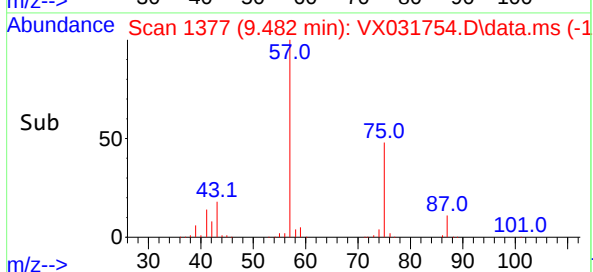
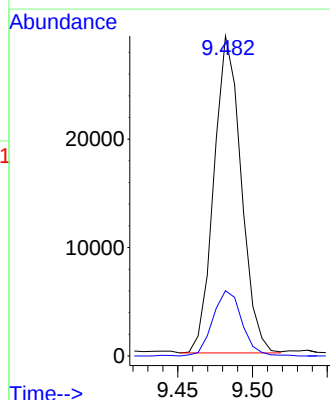
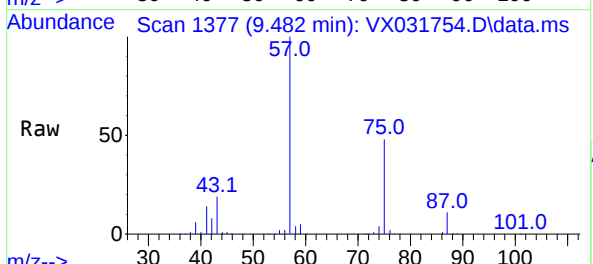
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

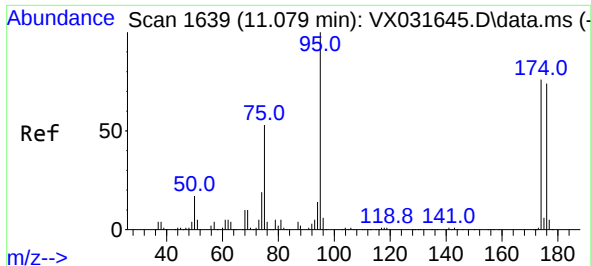
Tgt Ion: 76 Resp: 3559
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 16.699 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 43 Resp: 37104
Ion Ratio Lower Upper
43 100
58 22.0 26.7 80.0#

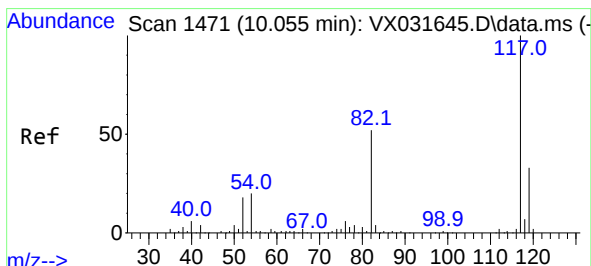
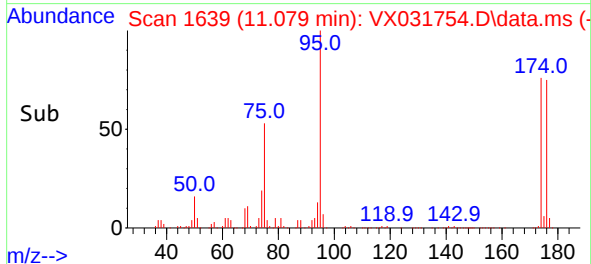
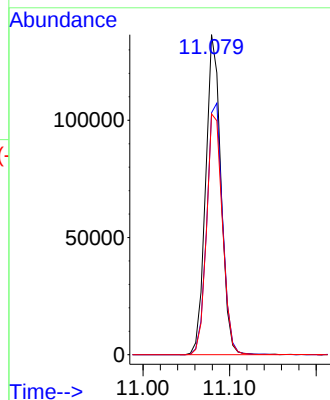
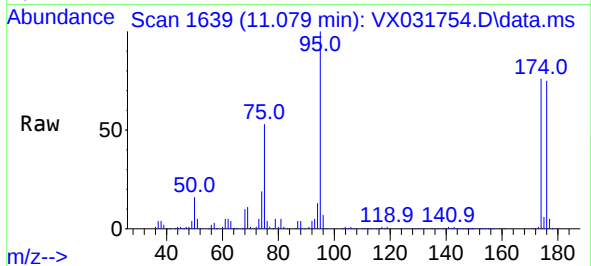




#62
4-Bromofluorobenzene
Concen: 48.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

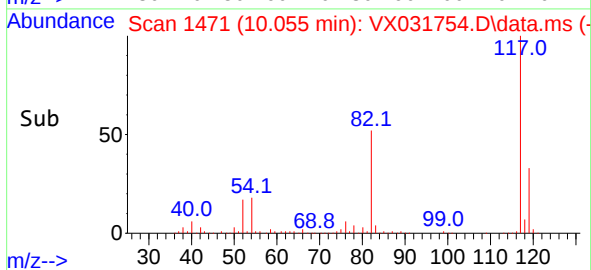
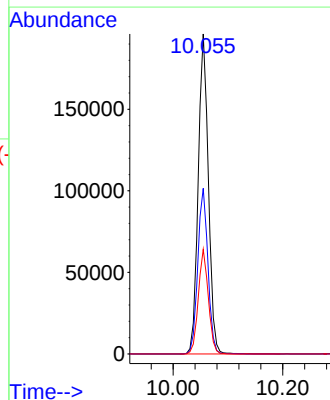
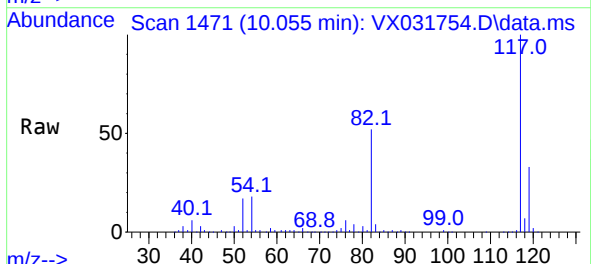
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

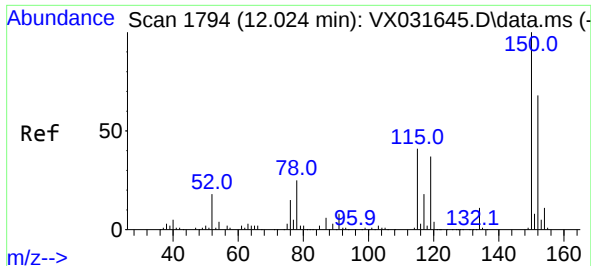
Tgt Ion: 95 Resp: 166903
Ion Ratio Lower Upper
95 100
174 81.2 0.0 153.2
176 78.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 117 Resp: 253949
Ion Ratio Lower Upper
117 100
82 51.8 46.8 70.2
119 32.7 26.4 39.6

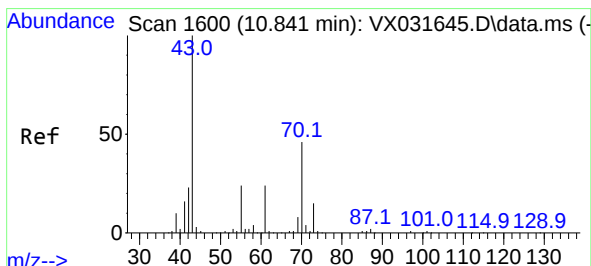
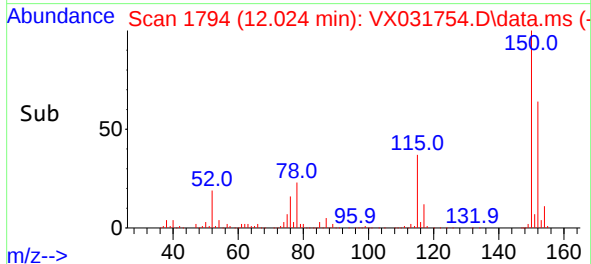
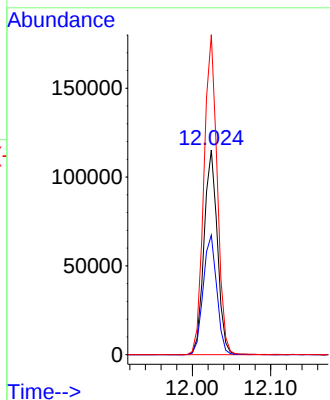
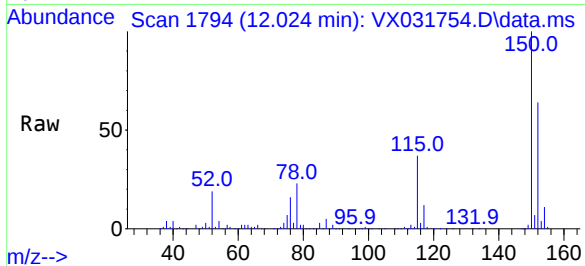




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

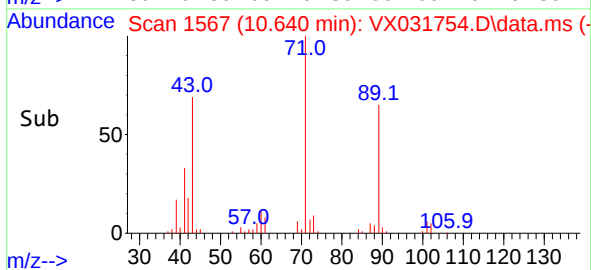
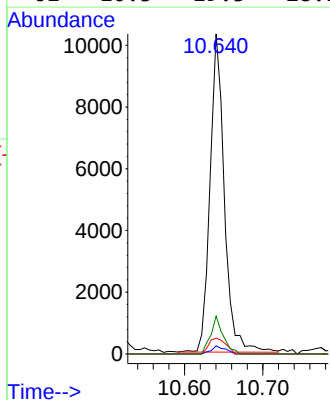
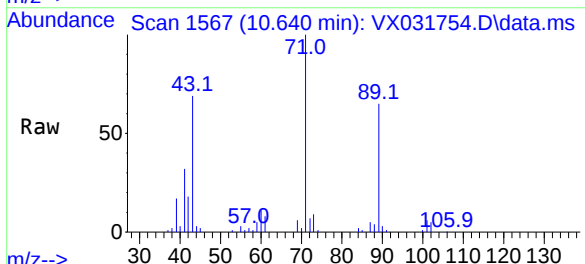
Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

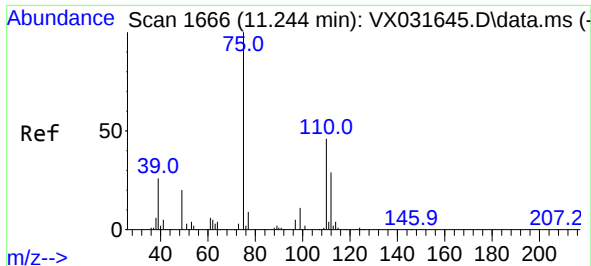
Tgt Ion:152 Resp: 136096
Ion Ratio Lower Upper
152 100
115 59.5 43.4 130.1
150 155.8 0.0 346.8



#74
N-ethyl acetate
Concen: 4.595 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 43 Resp: 13119
Ion Ratio Lower Upper
43 100
70 2.4 33.4 50.2#
55 5.8 18.2 27.2#
61 10.3 19.3 28.9#

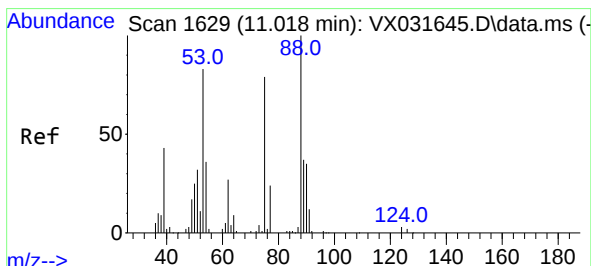
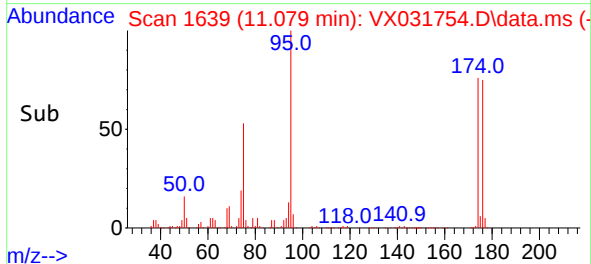
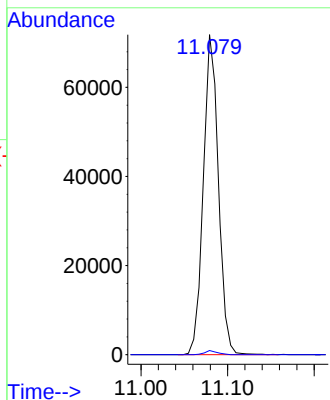
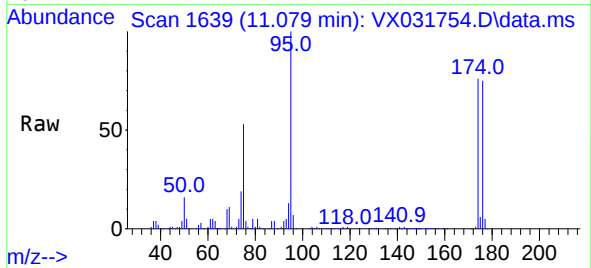




#76
1,2,3-Trichloropropane
Concen: 35.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Instrument :
MSVOA_X
ClientSampleId :
PB147944ZHE#01

Tgt Ion: 75 Resp: 86804
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.437 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031754.D
Acq: 29 Sep 2022 02:56

Tgt Ion: 75 Resp: 86804
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

