

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028609.D
 Acq On : 10 May 2022 21:01
 Operator : JC/MD
 Sample : PB144702ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#10

Quant Time: May 11 07:05:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

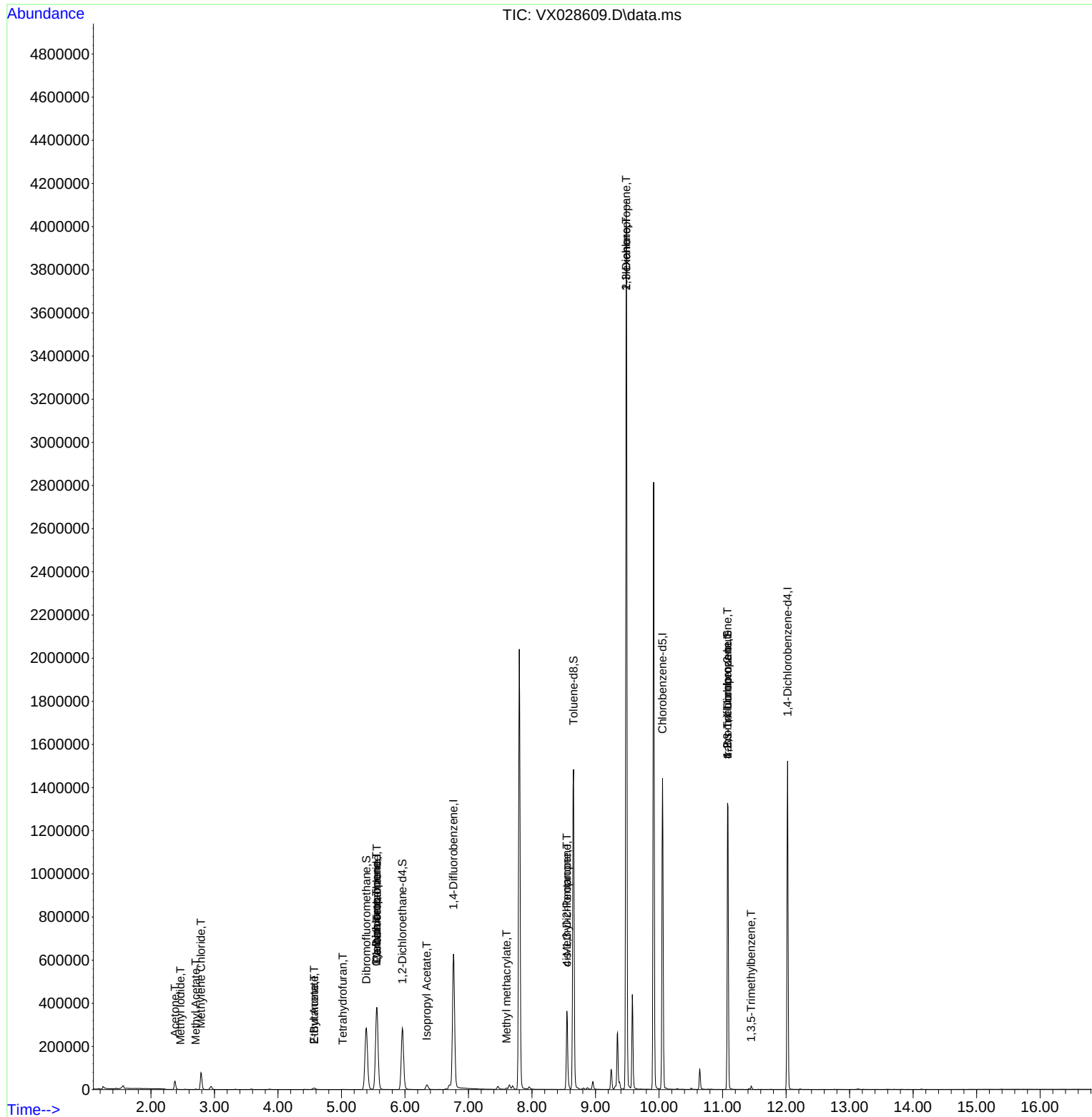
Internal Standards						
1) Pentafluorobenzene	5.556	168	379325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	664043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	666234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	316944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	267632	54.111	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.220%			
35) Dibromofluoromethane	5.391	113	248334	53.326	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.660%			
50) Toluene-d8	8.653	98	919799	51.425	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.860%			
62) 4-Bromofluorobenzene	11.079	95	342565	50.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.180%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	280	Below Cal	#	86
5) Bromomethane	1.605	94	597	Below Cal	#	58
6) Chloroethane	1.666	64	371	Below Cal	#	51
8) Diethyl Ether	2.130	74	22	Below Cal	#	7
10) Methyl Iodide	2.465	142	119	5.260	ug/l #	41
11) Tert butyl alcohol	2.947	59	8160	Below Cal	#	73
16) Acetone	2.380	43	42194	26.684	ug/l	92
18) Methyl Acetate	2.703	43	2461	0.560	ug/l #	88
20) Methylene Chloride	2.788	84	36662	9.990	ug/l	97
25) 2-Butanone	4.568	43	8406	2.870	ug/l	95
29) Tetrahydrofuran	5.019	42	890	0.466	ug/l #	44
31) Cyclohexane	5.550	56	7060	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	26729	4.400	ug/l #	50
37) Ethyl Acetate	4.568	43	8406	1.364	ug/l #	65
38) Carbon Tetrachloride	5.556	117	37169	5.420	ug/l #	16
43) Isopropyl Acetate	6.342	43	30047	2.995	ug/l	97
48) Methyl methacrylate	7.598	41	8823	1.916	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	117724	18.288	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	61125	8.162	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	39330	4.855	ug/l #	43
59) 2-Hexanone	9.482	43	444941	89.230	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	170879	27.395	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6882	0.372	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	170879	81.410	ug/l #	15

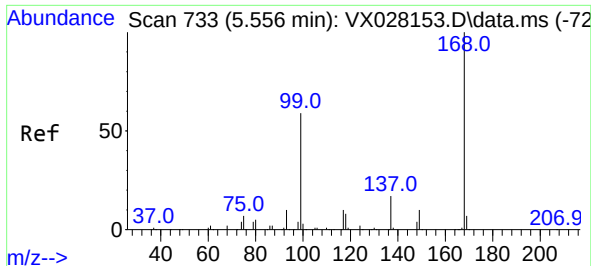
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

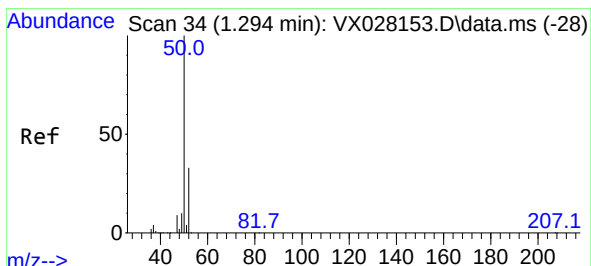
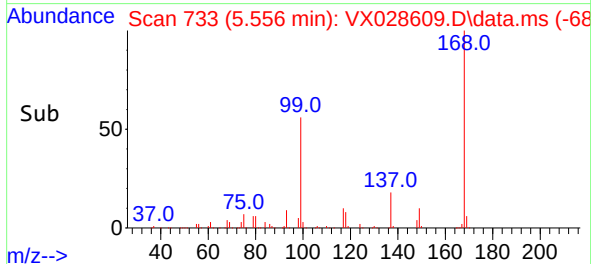
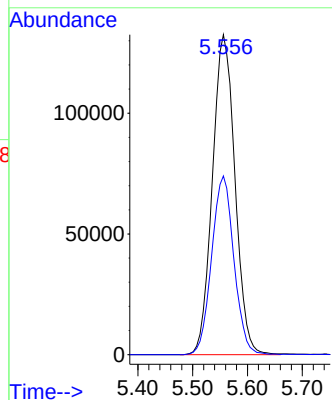
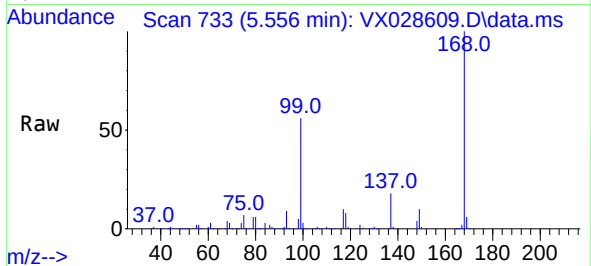




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

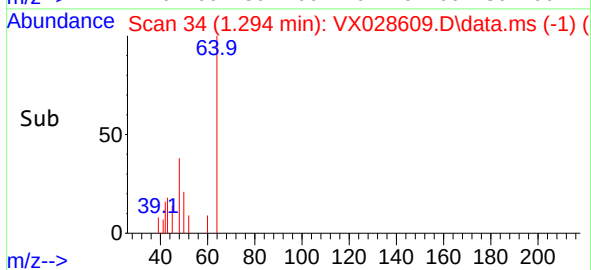
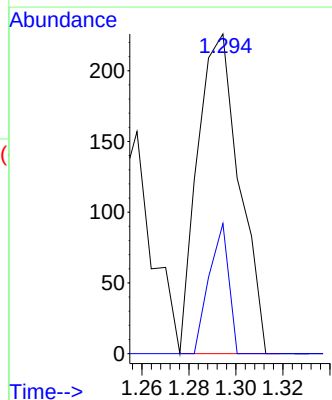
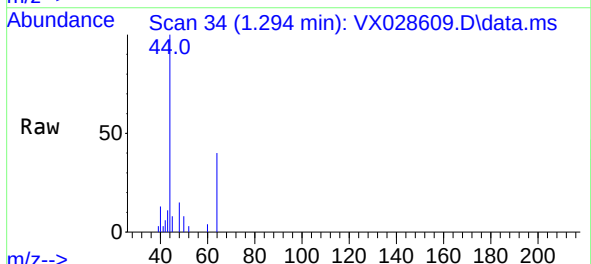
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

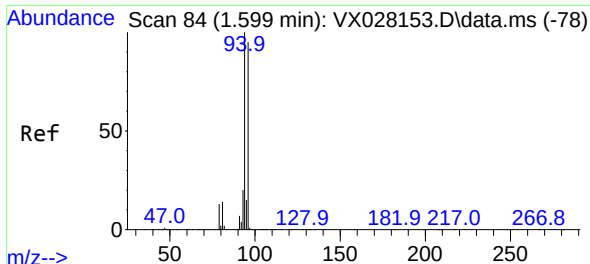
Tgt Ion:168 Resp: 379325
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 50 Resp: 280
Ion Ratio Lower Upper
50 100
52 40.7 26.4 39.6#

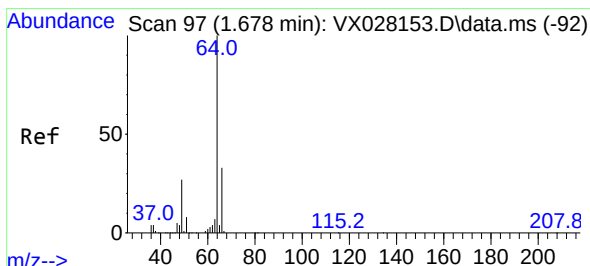
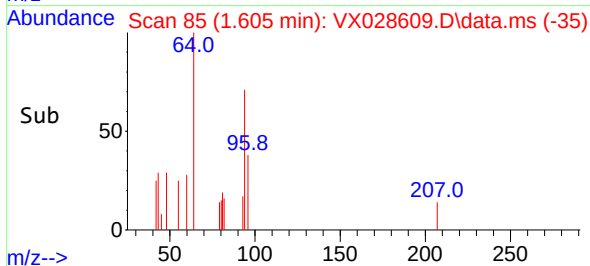
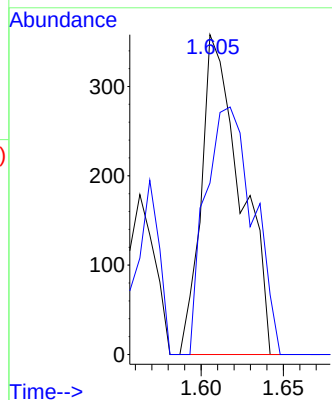
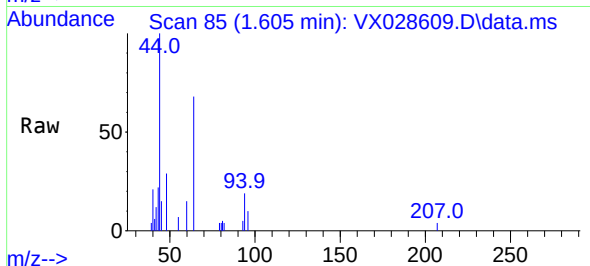




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

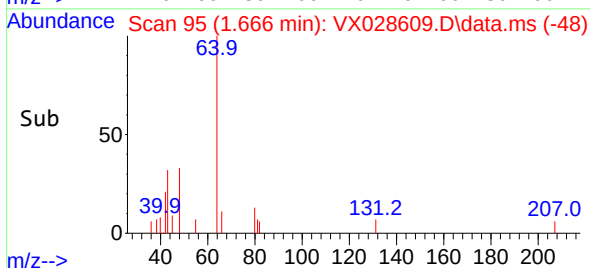
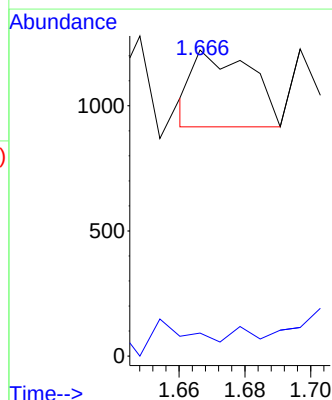
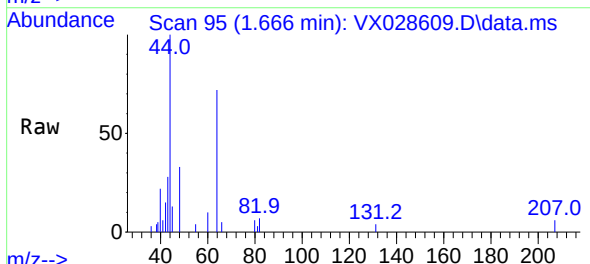
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

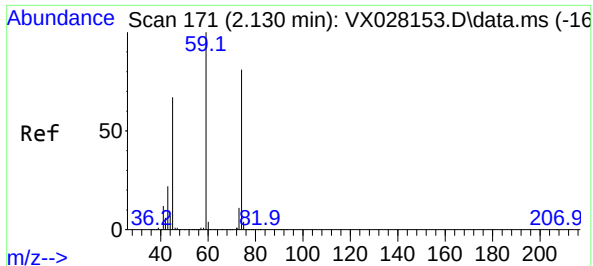
Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 53.6 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 64 Resp: 371
Ion Ratio Lower Upper
64 100
66 4.2 25.3 37.9#

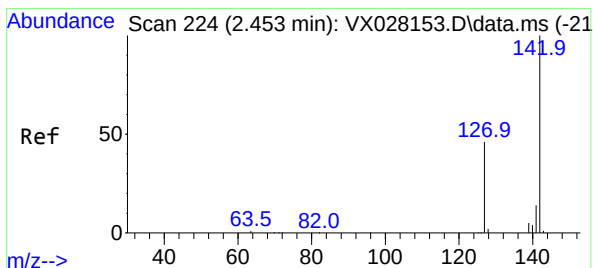
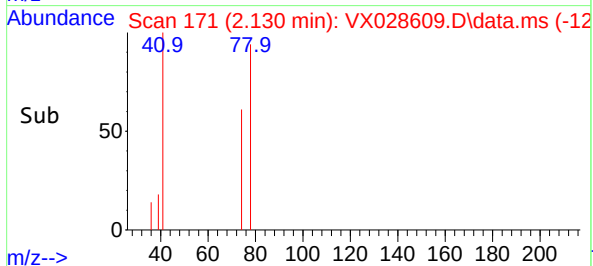
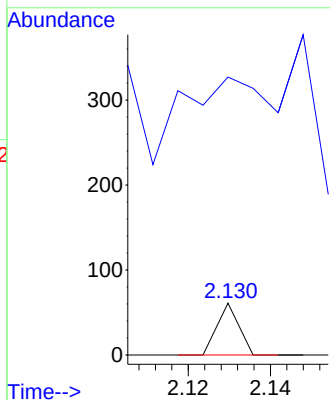
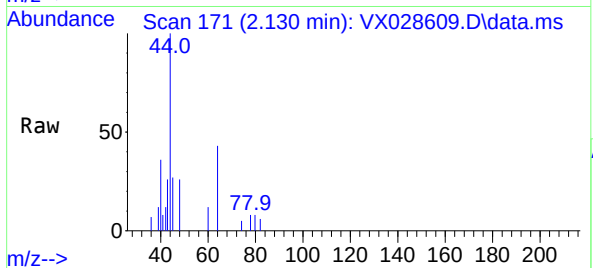




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

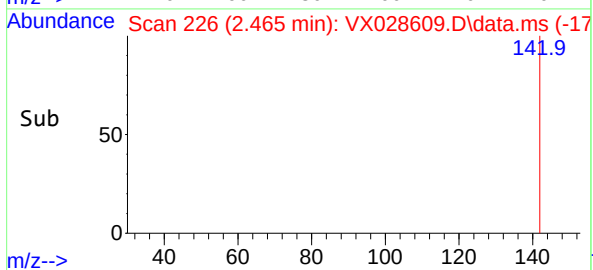
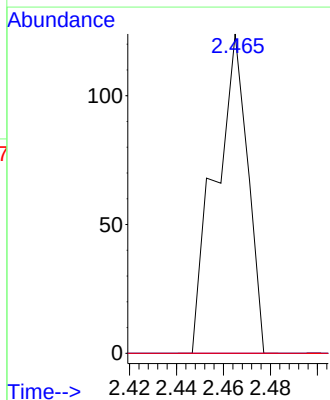
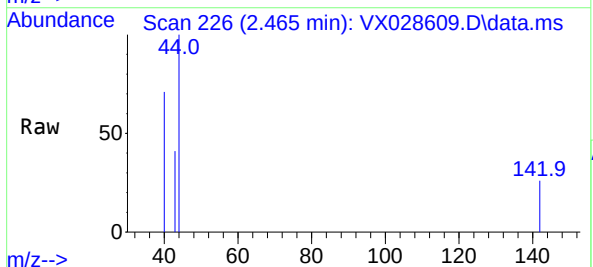
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

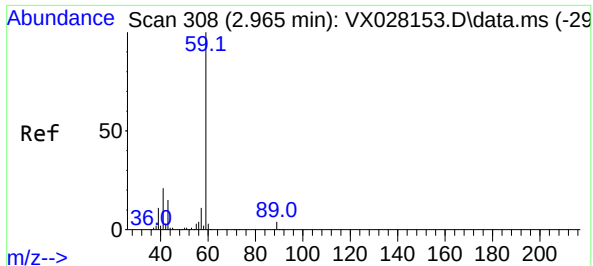
Tgt Ion: 74 Resp: 22
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.260 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 142 Resp: 119
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028609.D

Acq: 10 May 2022 21:01

Instrument :

MSVOA_X

ClientSampleId :

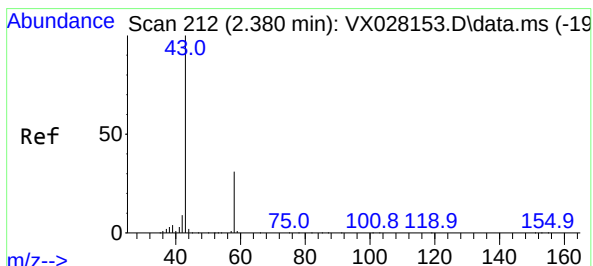
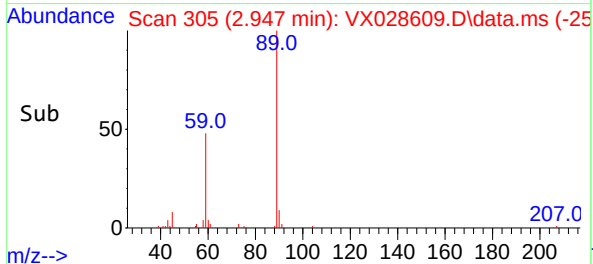
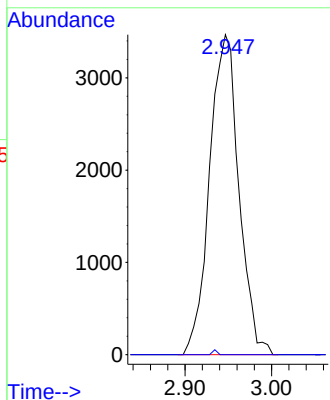
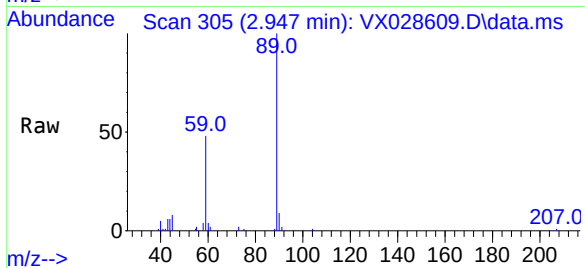
PB144702ZHE#10

Tgt Ion: 59 Resp: 8160

Ion Ratio Lower Upper

59 100

57 0.2 8.3 12.5#



#16

Acetone

Concen: 26.684 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028609.D

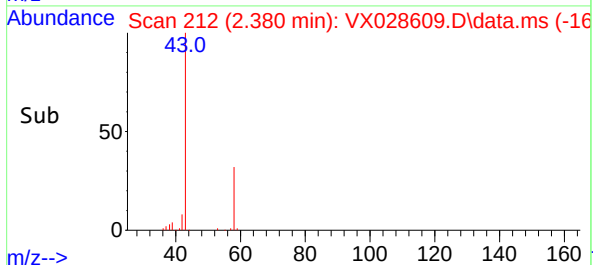
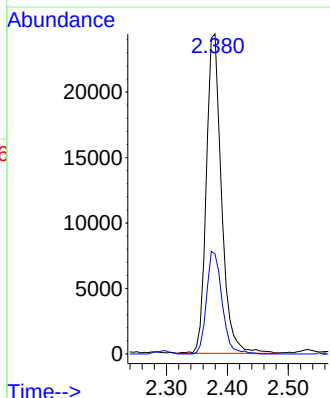
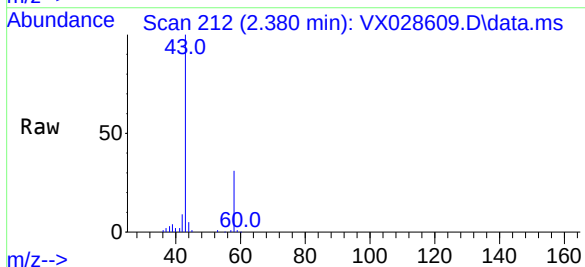
Acq: 10 May 2022 21:01

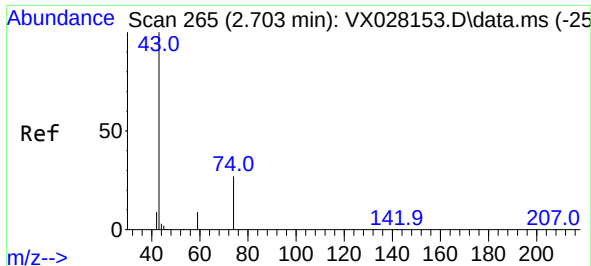
Tgt Ion: 43 Resp: 42194

Ion Ratio Lower Upper

43 100

58 31.3 28.8 43.2

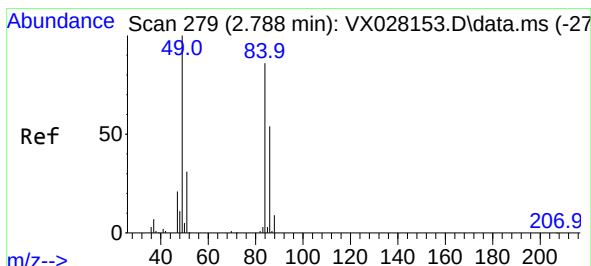
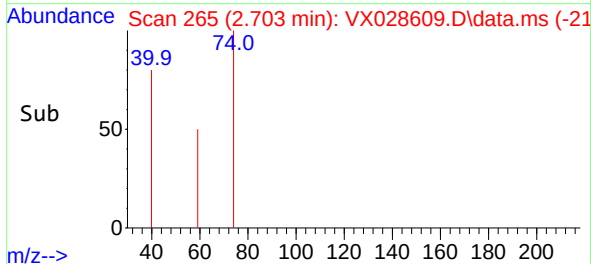
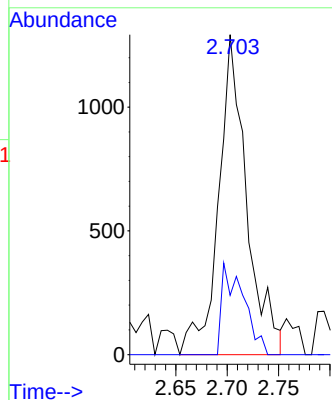
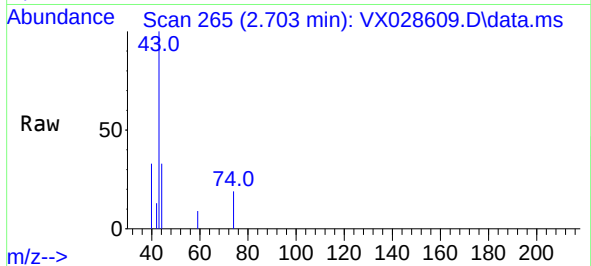




#18
Methyl Acetate
Concen: 0.560 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

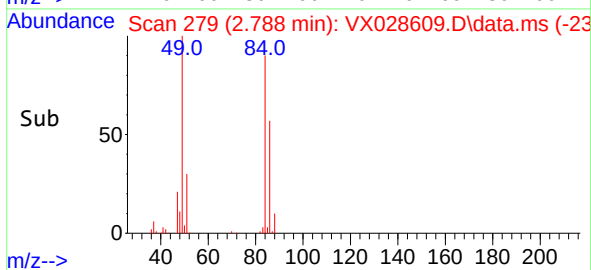
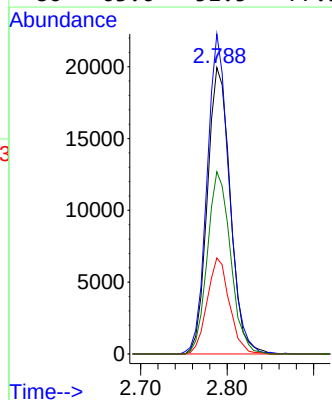
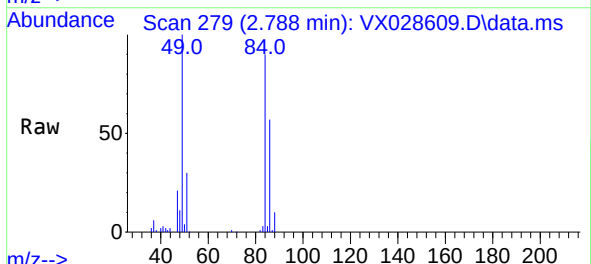
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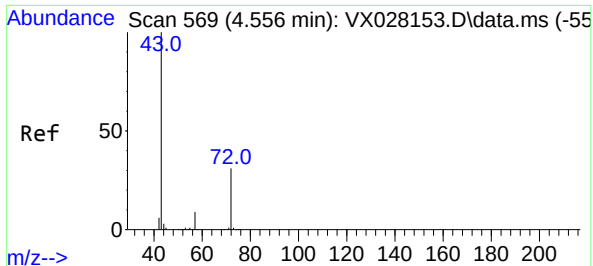
Tgt Ion: 43 Resp: 2461
Ion Ratio Lower Upper
43 100
74 22.1 22.8 34.2#



#20
Methylene Chloride
Concen: 9.990 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 84 Resp: 36662
Ion Ratio Lower Upper
84 100
49 111.7 85.5 128.3
51 33.5 26.6 39.8
86 63.6 51.5 77.3





#25

2-Butanone

Concen: 2.870 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028609.D

Acq: 10 May 2022 21:01

Instrument :

MSVOA_X

ClientSampleId :

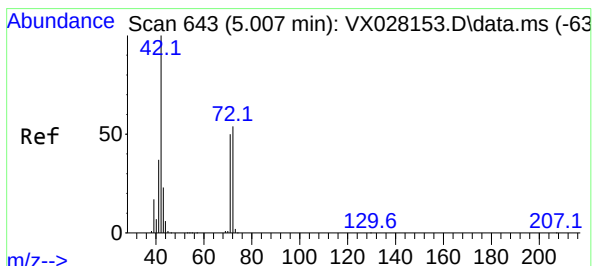
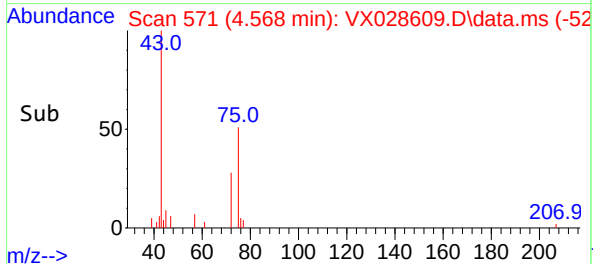
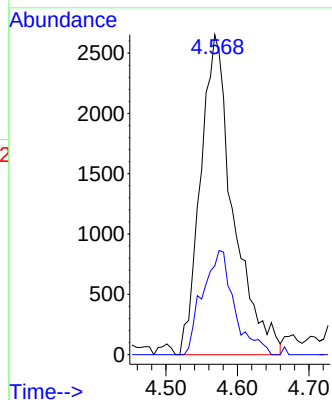
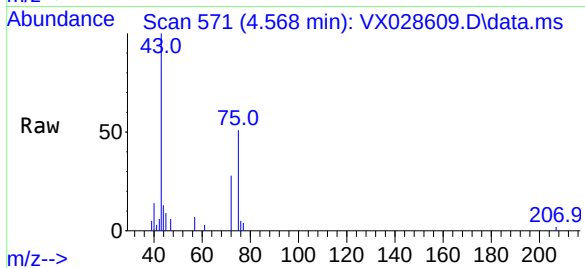
PB144702ZHE#10

Tgt Ion: 43 Resp: 8406

Ion Ratio Lower Upper

43 100

72 27.7 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.466 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX028609.D

Acq: 10 May 2022 21:01

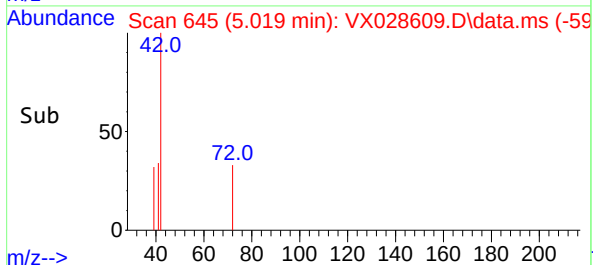
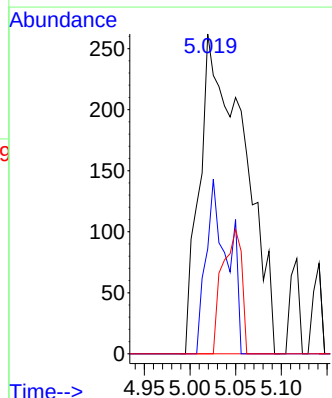
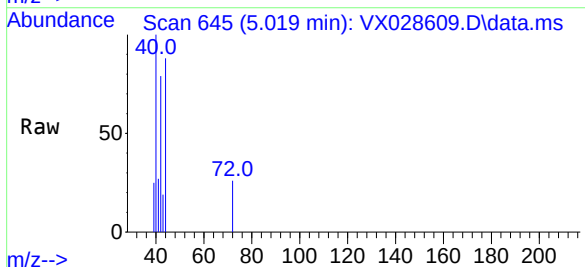
Tgt Ion: 42 Resp: 890

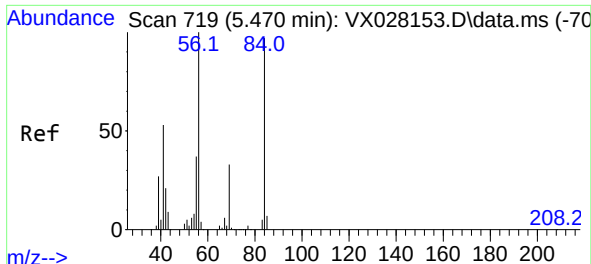
Ion Ratio Lower Upper

42 100

72 26.4 44.1 66.1#

71 0.0 40.5 60.7#

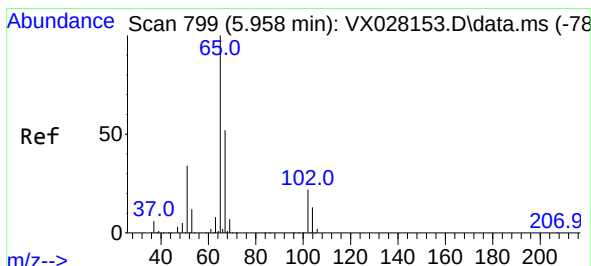
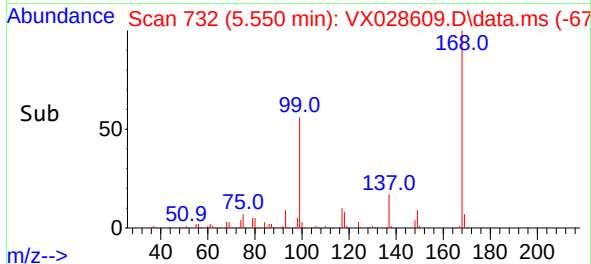
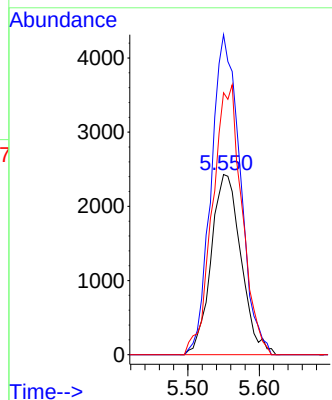
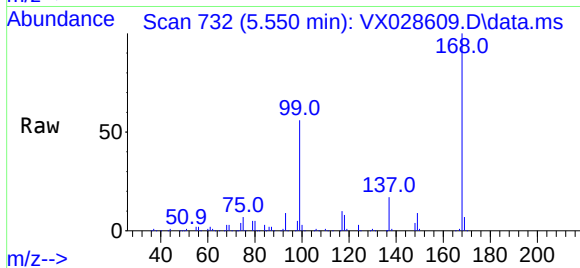




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

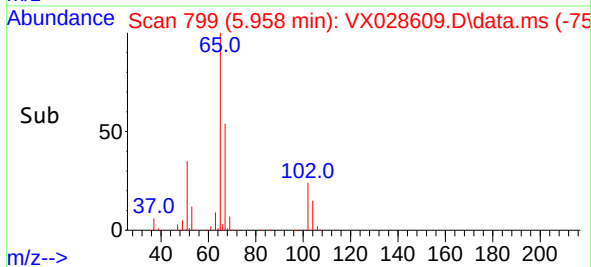
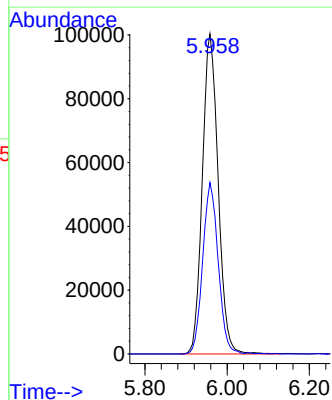
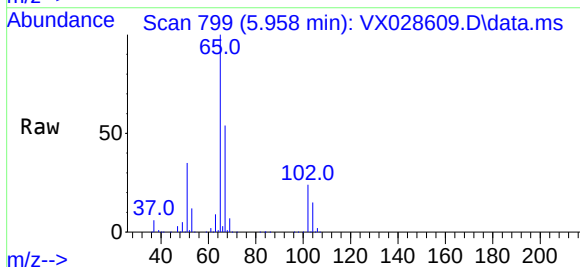
Instrument :
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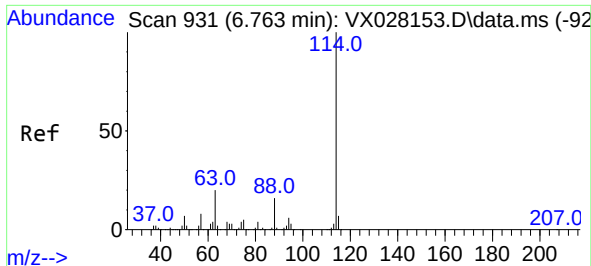
Tgt Ion: 56 Resp: 7060
Ion Ratio Lower Upper
56 100
69 177.6 26.7 40.1#
84 150.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.111 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

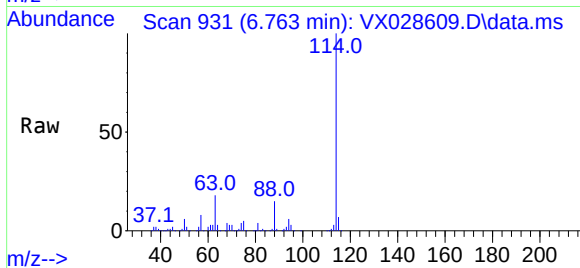
Tgt Ion: 65 Resp: 267632
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4



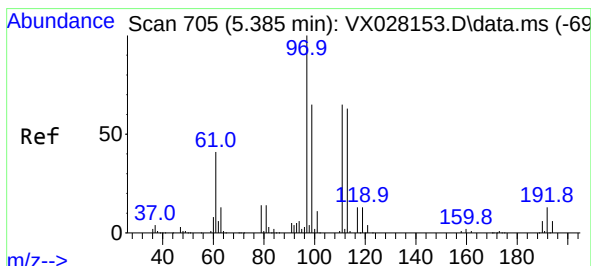
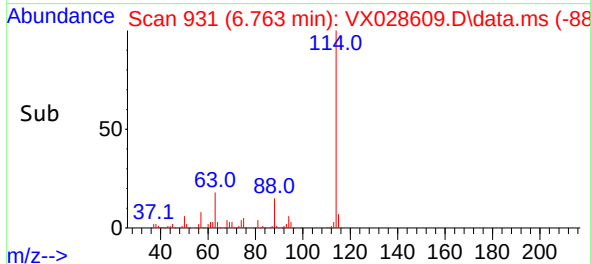
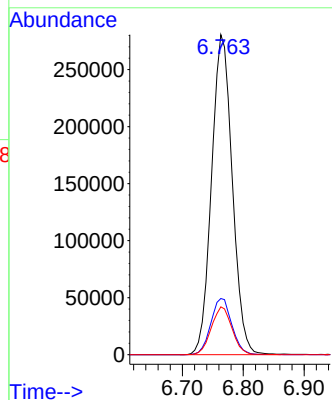


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

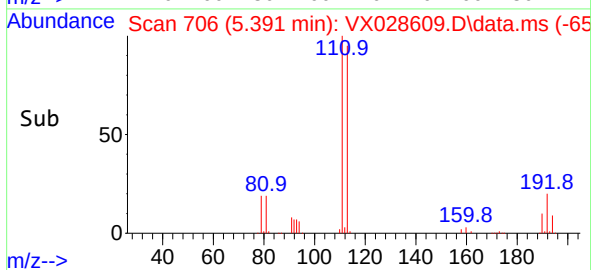
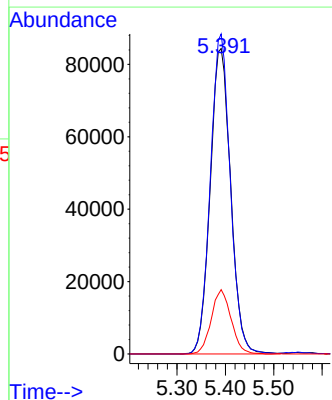
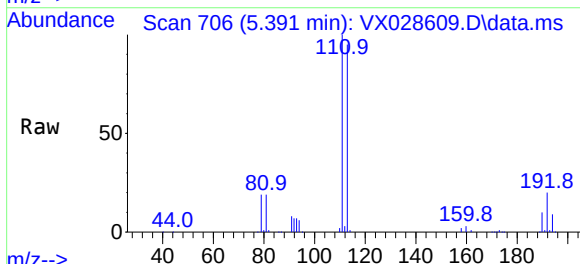


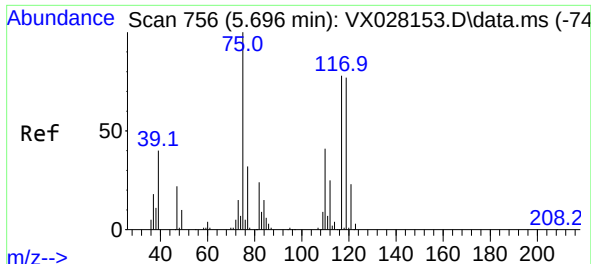
Tgt Ion:114 Resp: 664043
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.326 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion:113 Resp: 248334
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.4 16.9 25.3

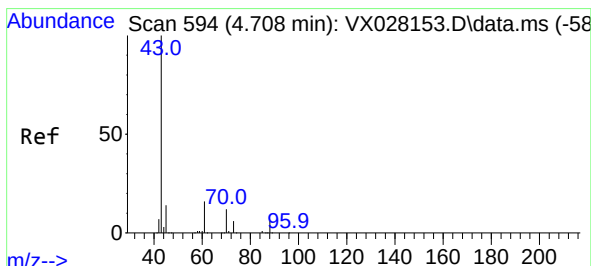
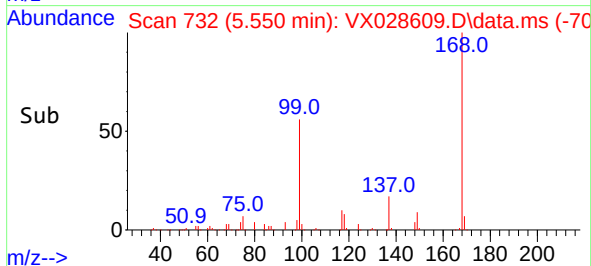
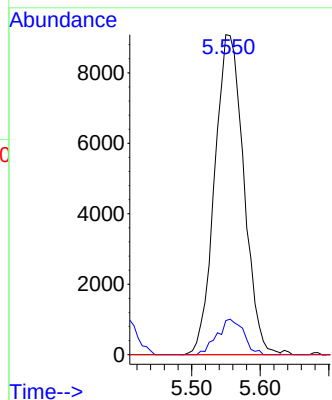
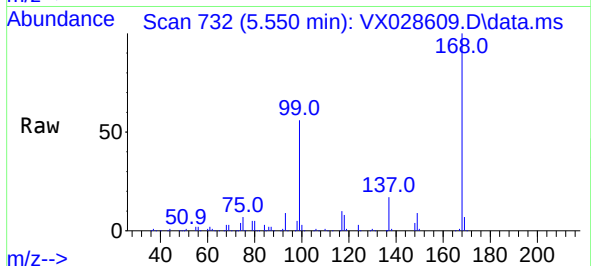




#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

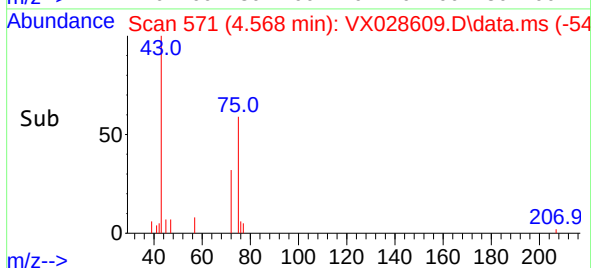
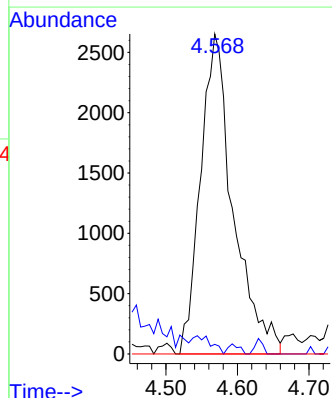
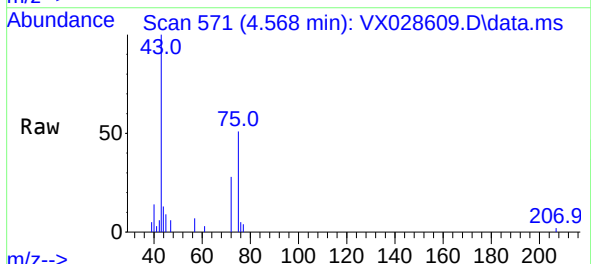
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

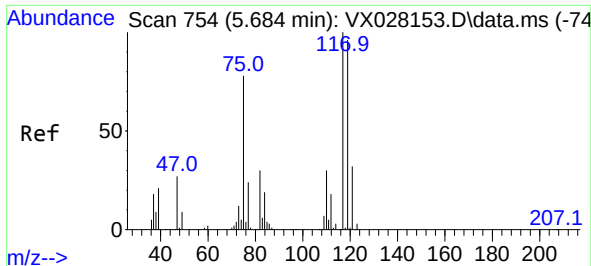
Tgt Ion: 75 Resp: 26729
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.364 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

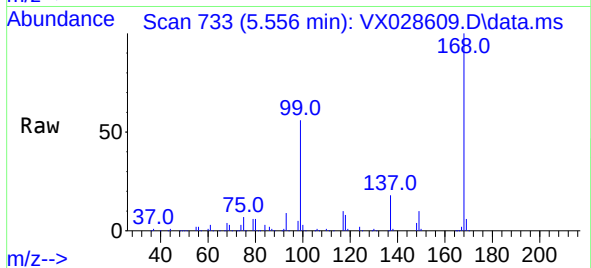
Tgt Ion: 43 Resp: 8406
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#



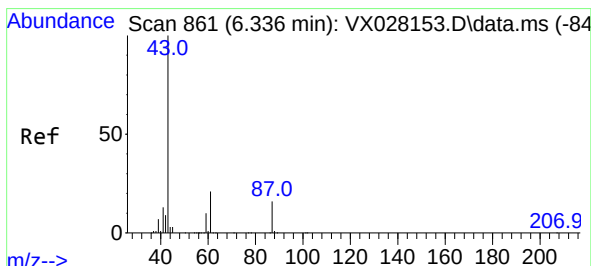
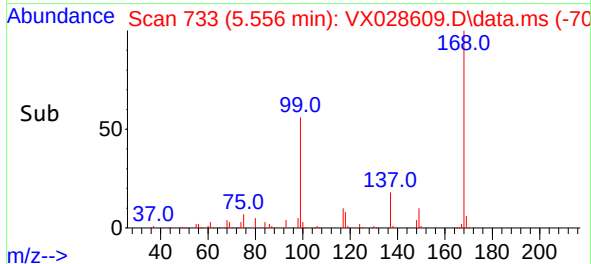
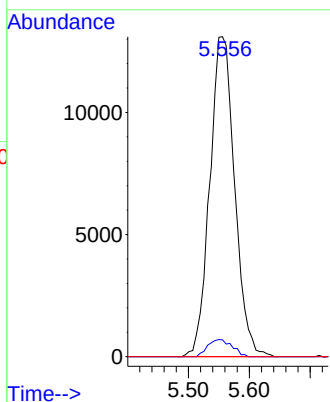


#38
Carbon Tetrachloride
Concen: 5.420 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

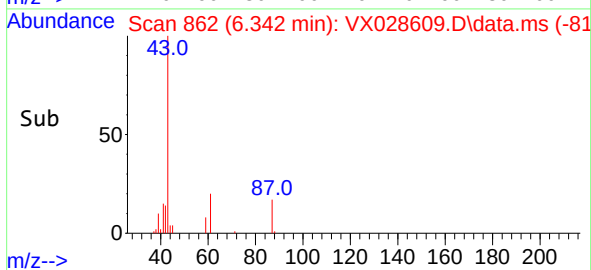
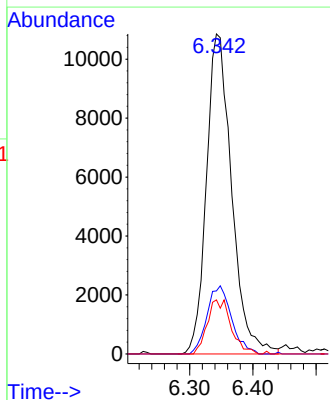
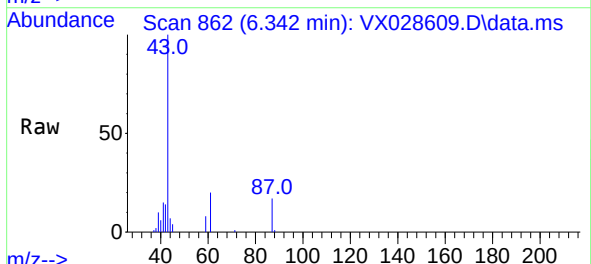


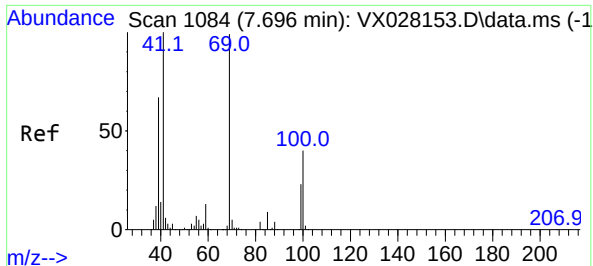
Tgt Ion:117 Resp: 37169
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.995 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

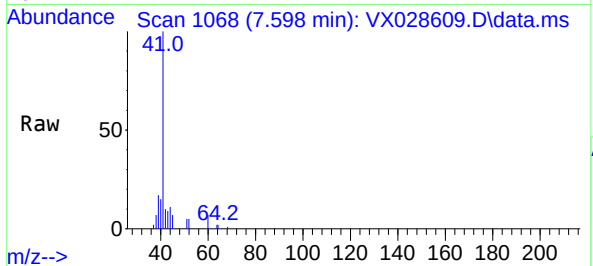
Tgt Ion: 43 Resp: 30047
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 15.9 13.0 19.6



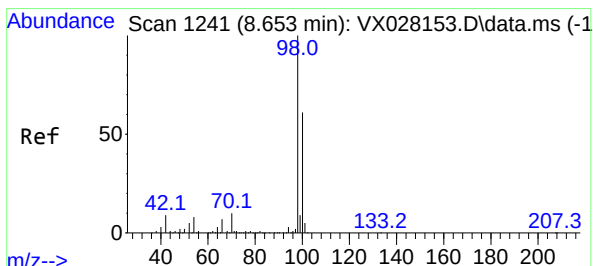
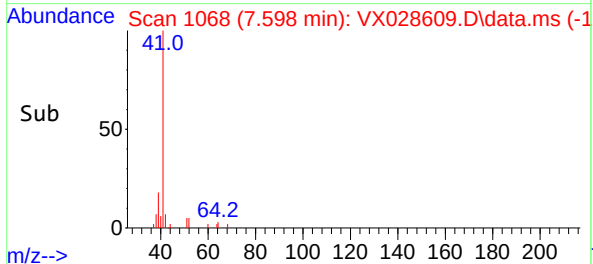
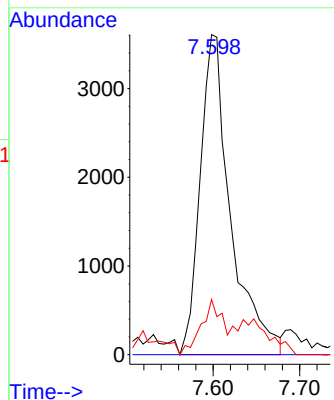


#48
Methyl methacrylate
Concen: 1.916 ug/l
RT: 7.598 min Scan# 1084
Delta R.T. -0.098 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

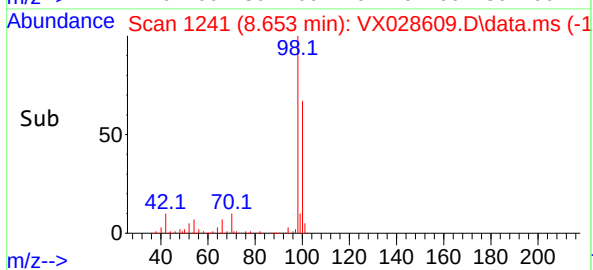
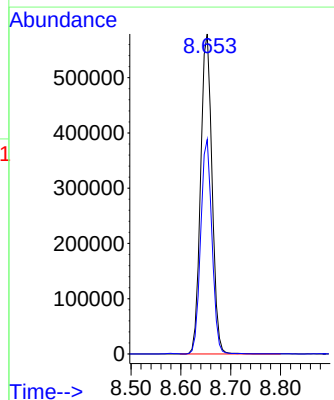
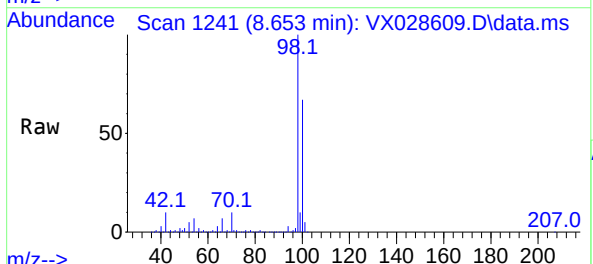


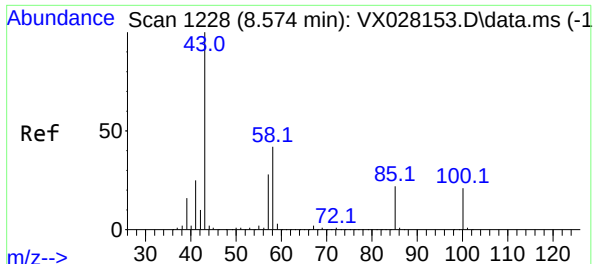
Tgt Ion: 41 Resp: 8823
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#50
Toluene-d8
Concen: 51.425 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 98 Resp: 919799
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 18.288 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028609.D

Acq: 10 May 2022 21:01

Instrument :

MSVOA_X

ClientSampleId :

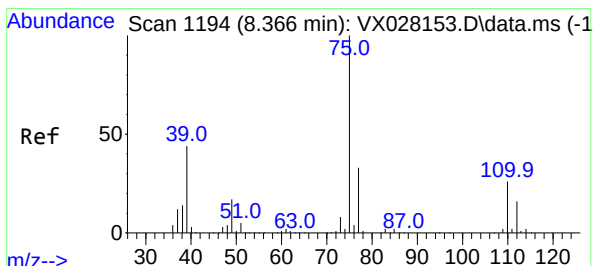
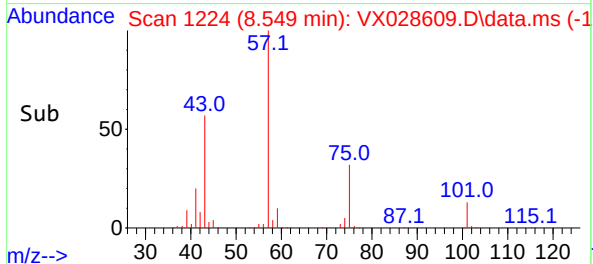
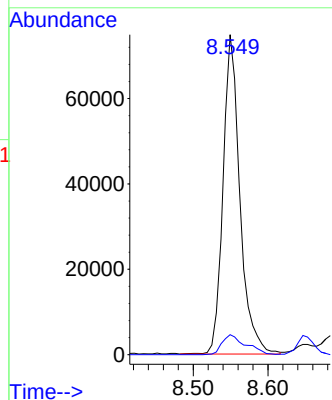
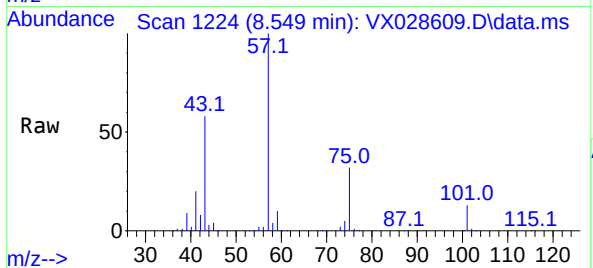
PB144702ZHE#10

Tgt Ion: 43 Resp: 117724

Ion Ratio Lower Upper

43 100

58 8.8 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 8.162 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028609.D

Acq: 10 May 2022 21:01

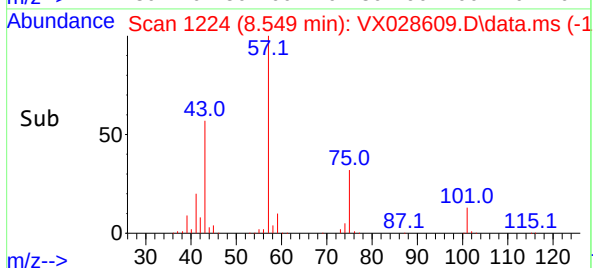
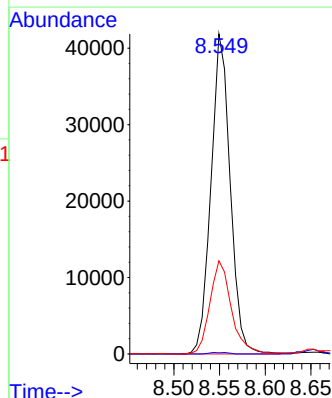
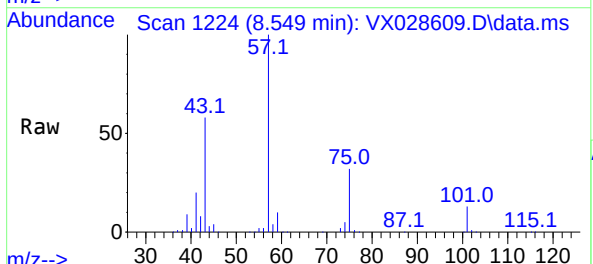
Tgt Ion: 75 Resp: 61125

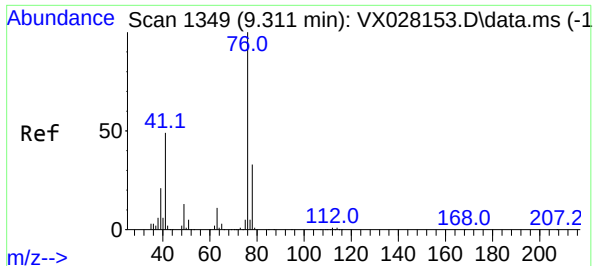
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 29.1 29.6 44.4#

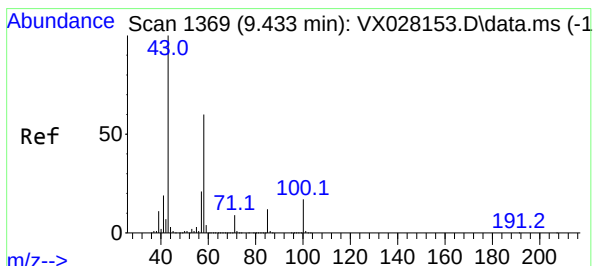
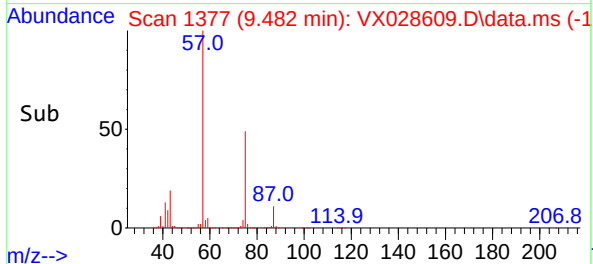
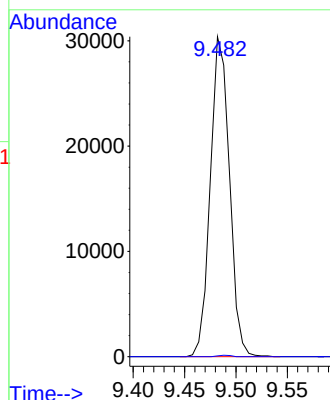
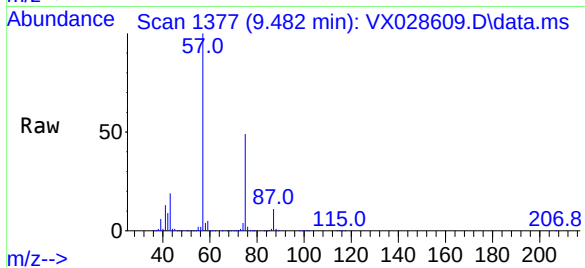




#57
1,3-Dichloropropane
Concen: 4.855 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

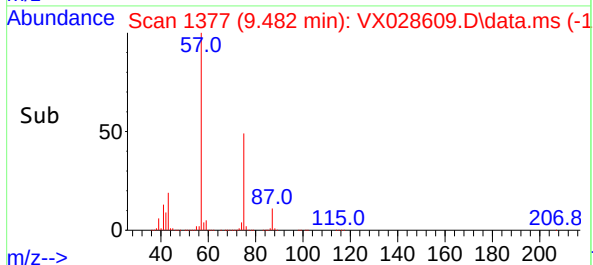
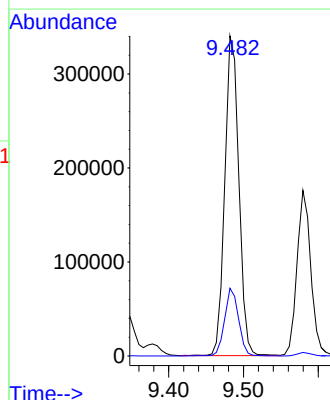
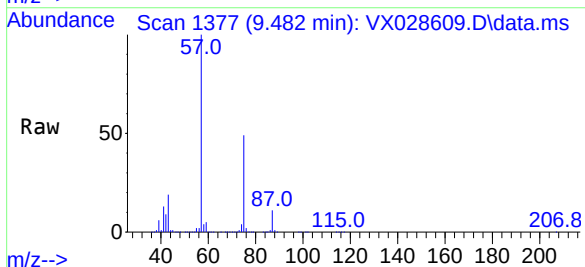
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

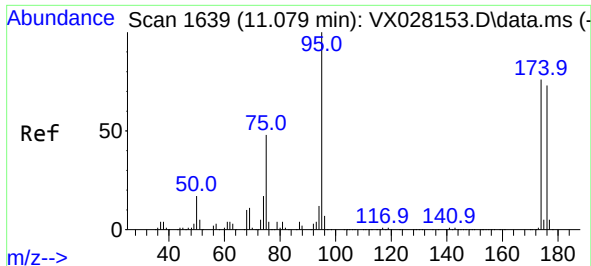
Tgt Ion: 76 Resp: 39330
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#



#59
2-Hexanone
Concen: 89.230 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 43 Resp: 444941
Ion Ratio Lower Upper
43 100
58 21.2 31.9 95.7#

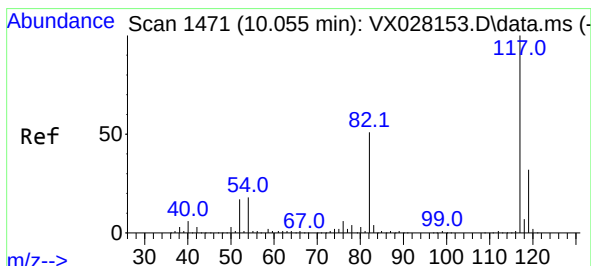
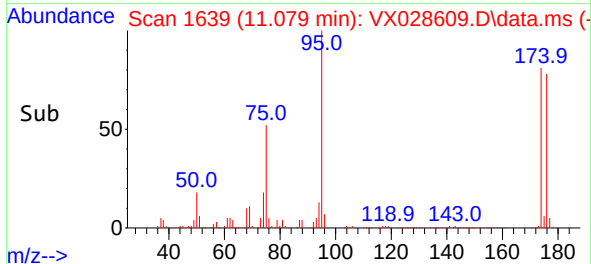
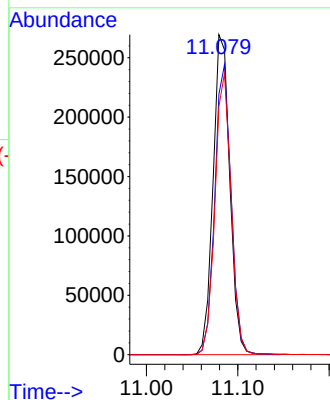
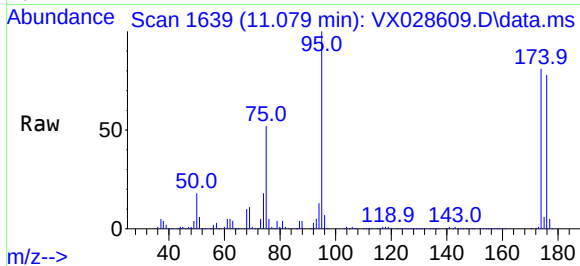




#62
4-Bromofluorobenzene
Concen: 50.091 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

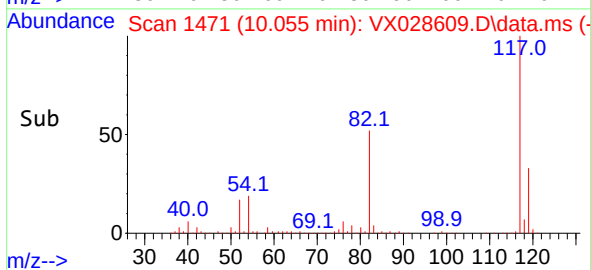
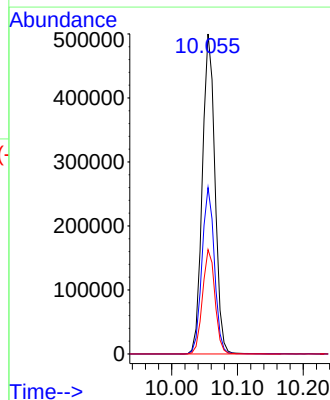
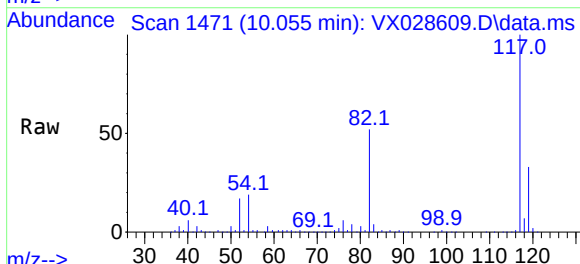
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

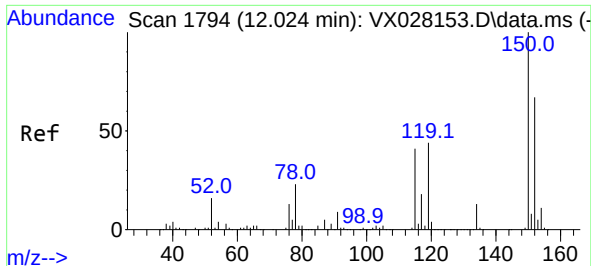
Tgt Ion: 95 Resp: 342565
Ion Ratio Lower Upper
95 100
174 88.6 0.0 163.0
176 85.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 117 Resp: 666234
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.6 24.8 37.2

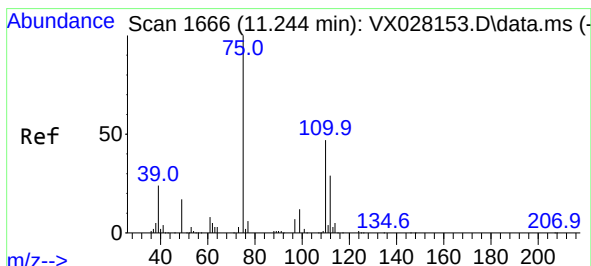
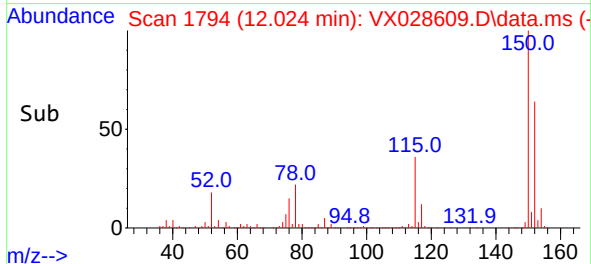
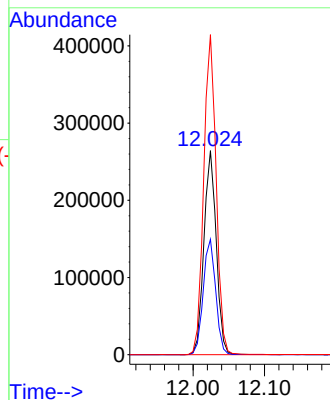
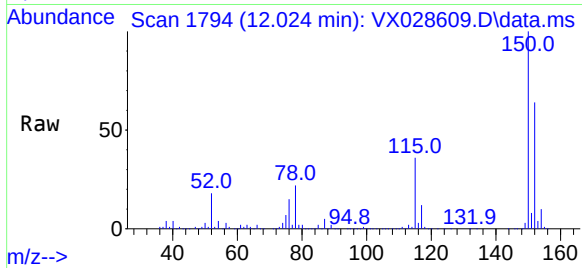




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

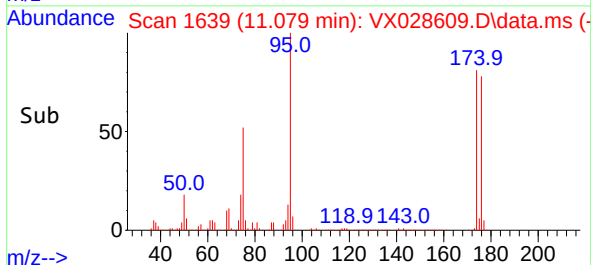
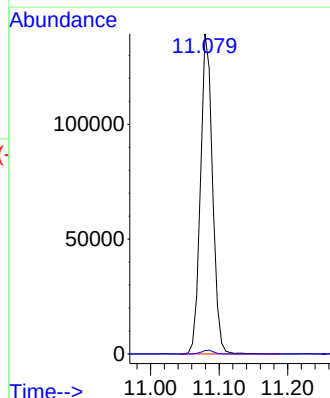
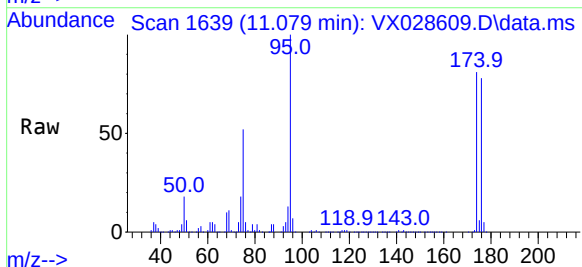
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

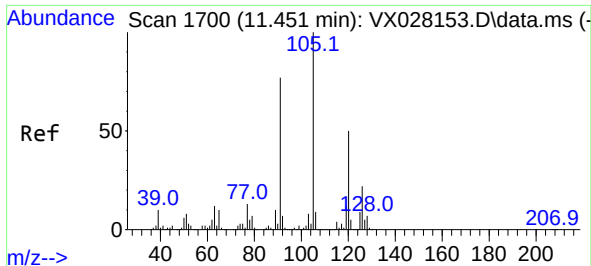
Tgt Ion:152 Resp: 316944
Ion Ratio Lower Upper
152 100
115 57.3 37.5 112.7
150 157.8 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.395 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 75 Resp: 170879
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

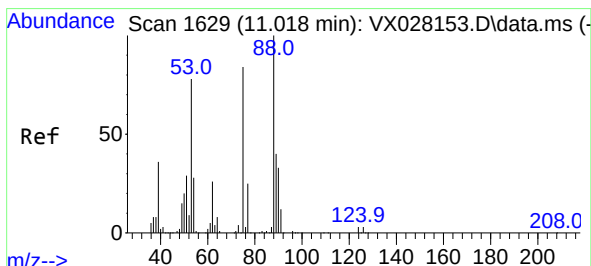
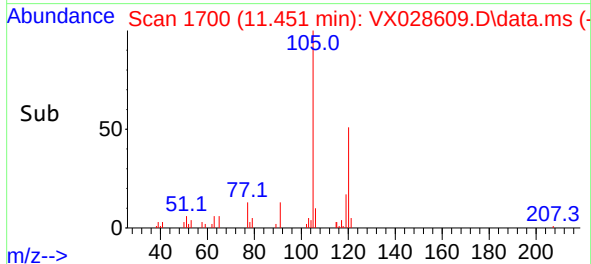
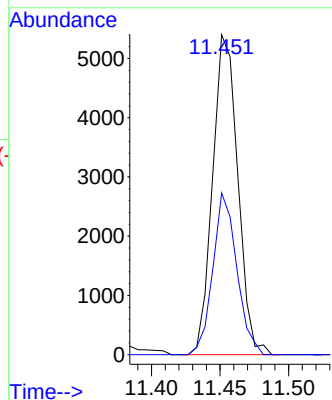
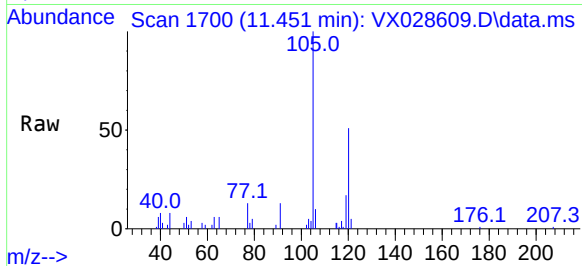




#80
1,3,5-Trimethylbenzene
Concen: 0.372 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#10

Tgt Ion:105 Resp: 6882
Ion Ratio Lower Upper
105 100
120 48.2 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 81.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028609.D
Acq: 10 May 2022 21:01

Tgt Ion: 75 Resp: 170879
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

