

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028543.D
 Acq On : 06 May 2022 12:39
 Operator : JC/MD
 Sample : PB144610TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610TB

Quant Time: May 07 06:00:26 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)

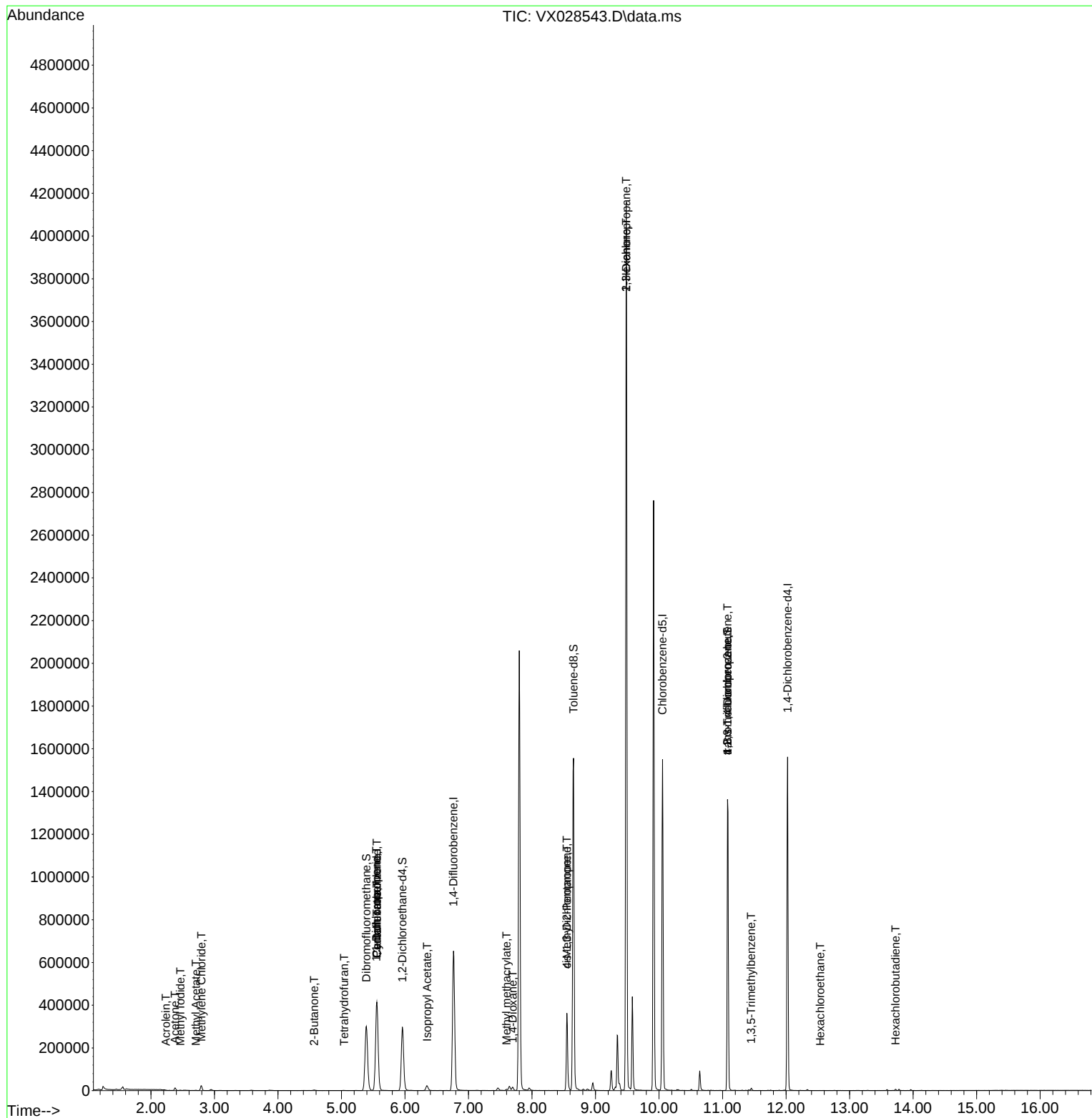
Internal Standards						
1) Pentafluorobenzene	5.556	168	413504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	706107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	705318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	332945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	277820	51.528	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.060%			
35) Dibromofluoromethane	5.391	113	264094	53.332	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.660%			
50) Toluene-d8	8.653	98	955632	50.246	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.079	95	354032	48.683	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	504	Below Cal	#	84
5) Bromomethane	1.618	94	1392	Below Cal		94
6) Chloroethane	1.660	64	337	Below Cal	#	43
8) Diethyl Ether	2.136	74	46	Below Cal	#	1
10) Methyl Iodide	2.465	142	1733	5.573	ug/l	93
11) Tert butyl alcohol	2.947	59	2639	Below Cal	#	72
13) Acrolein	2.233	56	151	0.229	ug/l #	1
16) Acetone	2.380	43	12731	6.370	ug/l	92
18) Methyl Acetate	2.709	43	1707	0.356	ug/l	97
20) Methylene Chloride	2.794	84	10737	2.684	ug/l	91
25) 2-Butanone	4.568	43	2459	0.770	ug/l #	82
29) Tetrahydrofuran	5.044	42	725	0.348	ug/l #	25
31) Cyclohexane	5.556	56	8160	1.242	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	29053	4.498	ug/l #	50
38) Carbon Tetrachloride	5.556	117	40062	5.494	ug/l #	15
43) Isopropyl Acetate	6.348	43	29740	2.788	ug/l	97
48) Methyl methacrylate	7.598	41	7706	1.574	ug/l #	7
49) 1,4-Dioxane	7.696	88	76	0.580	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	111612	16.305	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	59860	7.517	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	40013	4.645	ug/l #	43
59) 2-Hexanone	9.482	43	448126	84.515	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	177193	27.042	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4101	0.211	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	177193	80.361	ug/l #	15
90) Hexachloroethane	12.536	117	25	1.820	ug/l #	10
94) Hexachlorobutadiene	13.725	225	777	0.263	ug/l	93

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

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Quant Title : SW846 8260
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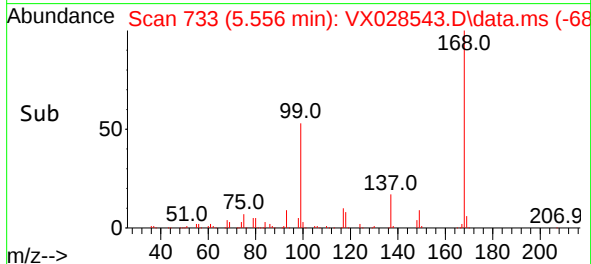
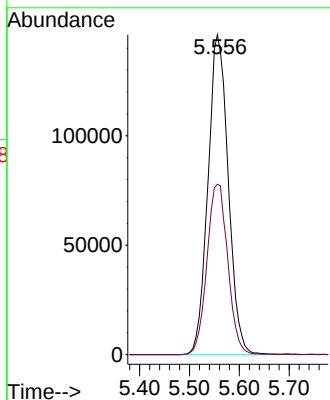
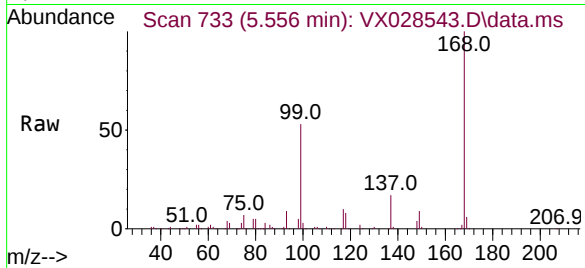




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

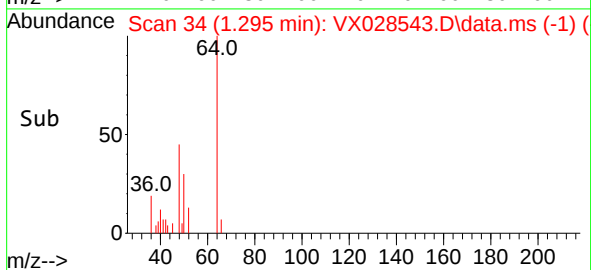
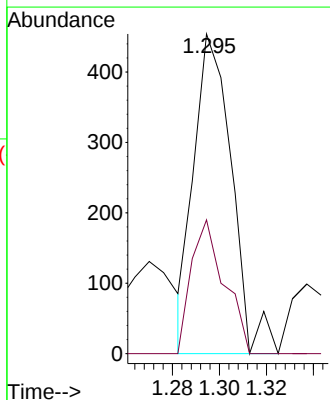
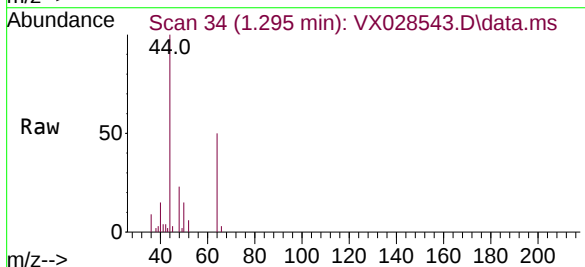
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

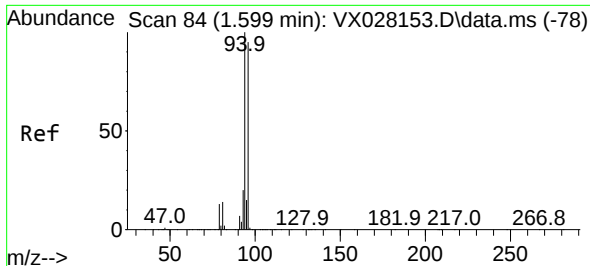
Tgt Ion:168 Resp: 413504
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 41.9 26.4 39.6#

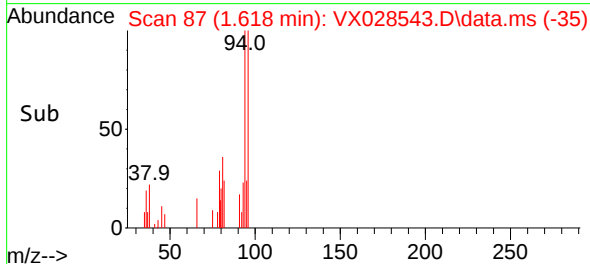
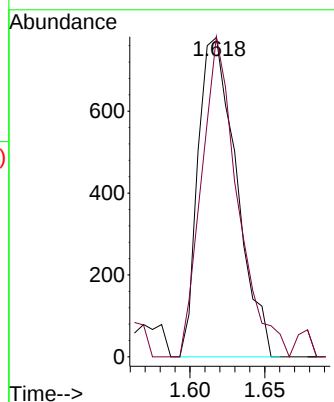
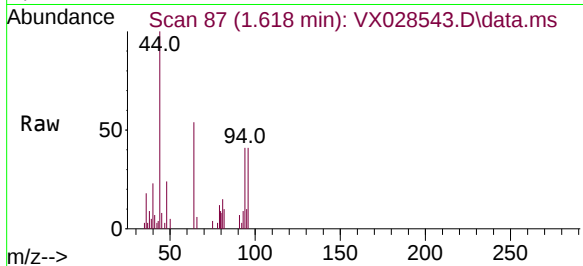




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

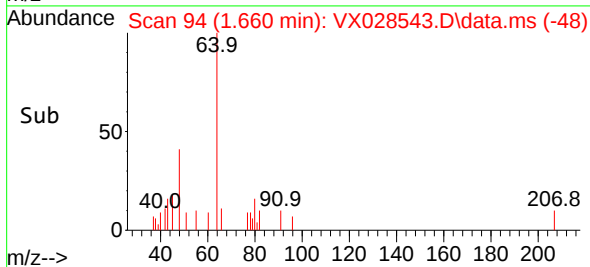
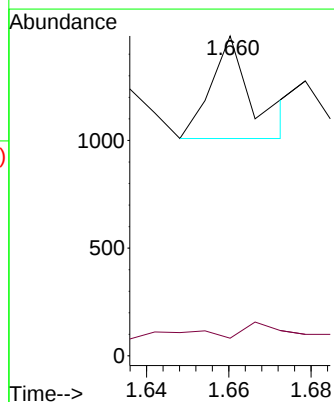
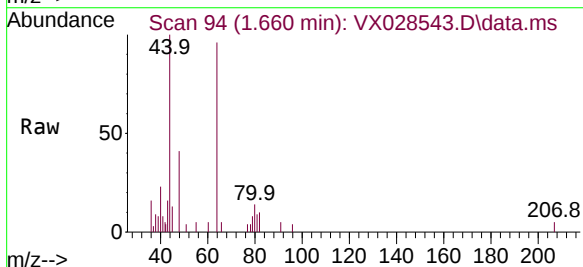
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

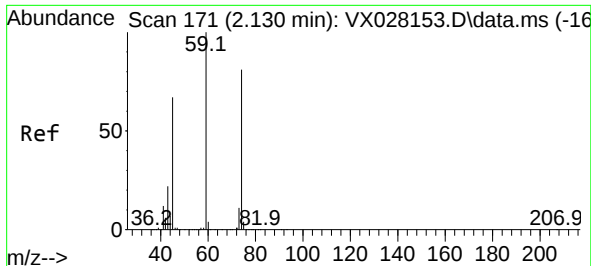
Tgt Ion: 94 Resp: 1392
Ion Ratio Lower Upper
94 100
96 100.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 64 Resp: 337
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

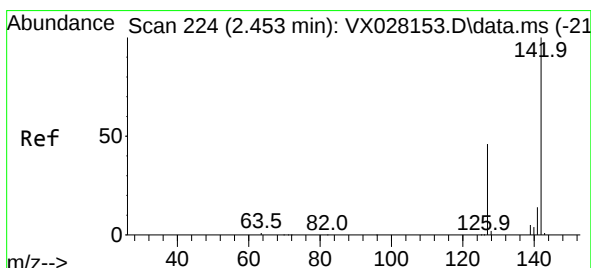
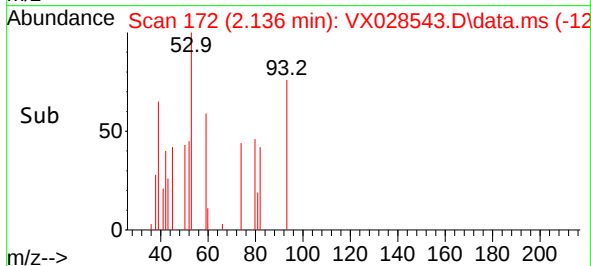
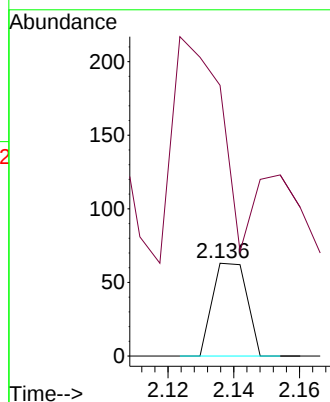
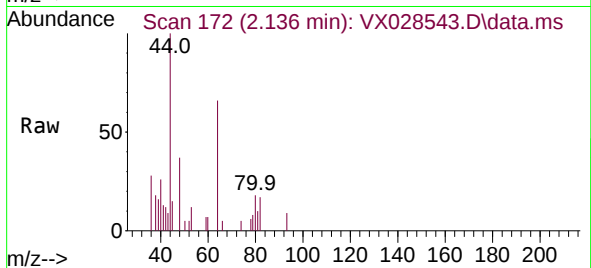




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

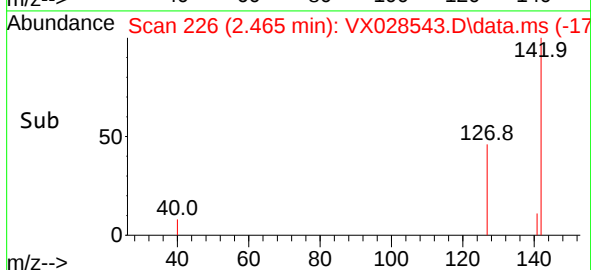
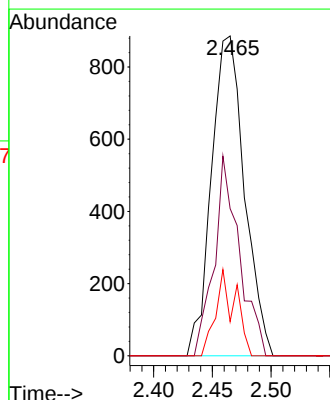
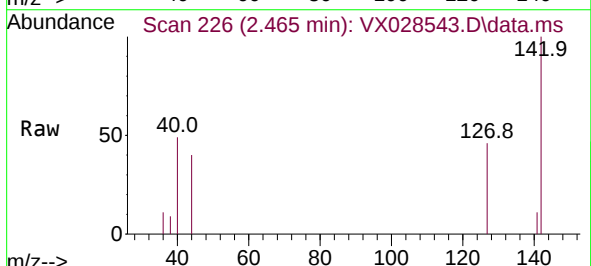
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

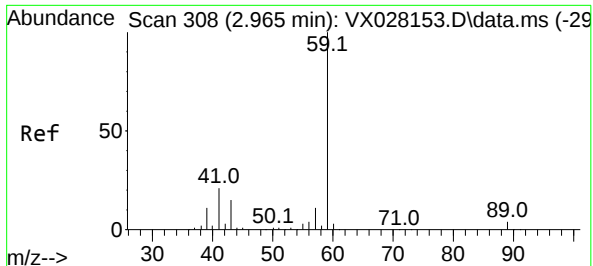
Tgt Ion: 74 Resp: 46
Ion Ratio Lower Upper
74 100
45 632.6 42.0 126.0#



#10
Methyl Iodide
Concen: 5.573 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 142 Resp: 1733
Ion Ratio Lower Upper
142 100
127 47.5 33.9 50.9
141 16.2 11.4 17.2

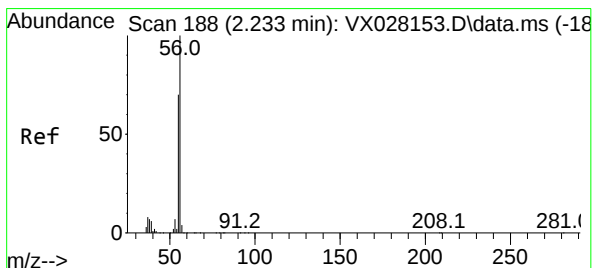
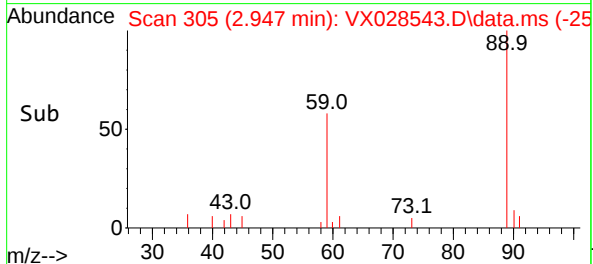
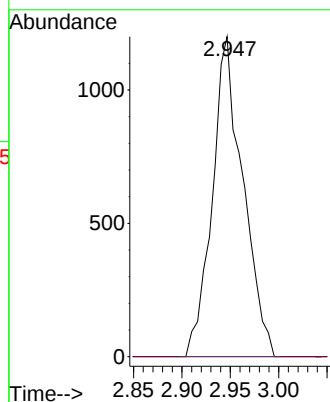
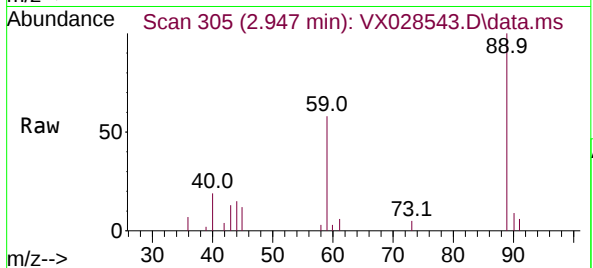




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

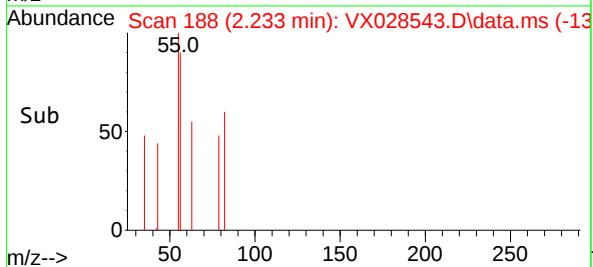
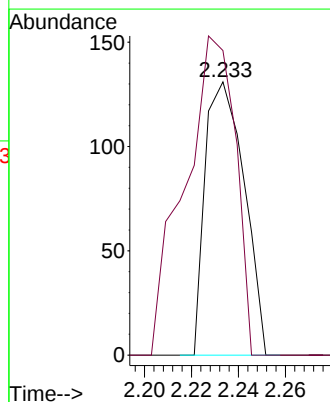
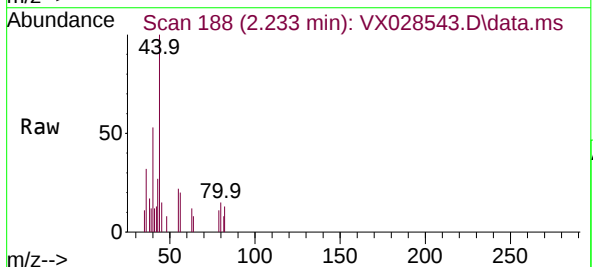
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

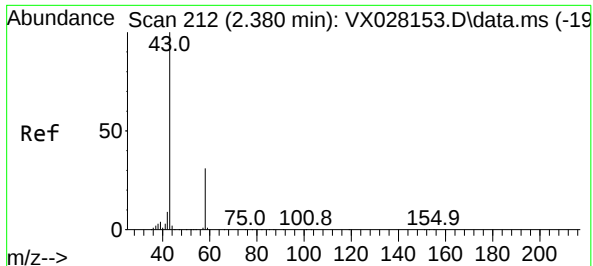
Tgt Ion: 59 Resp: 2639
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.229 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 152.3 55.0 82.6#

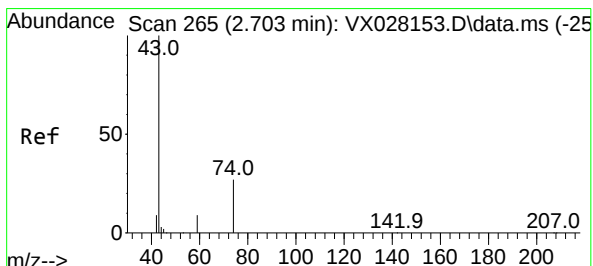
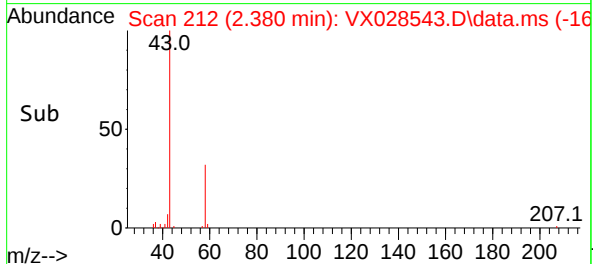
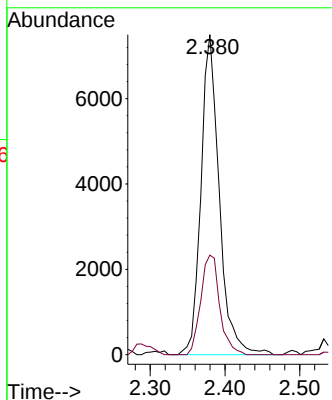
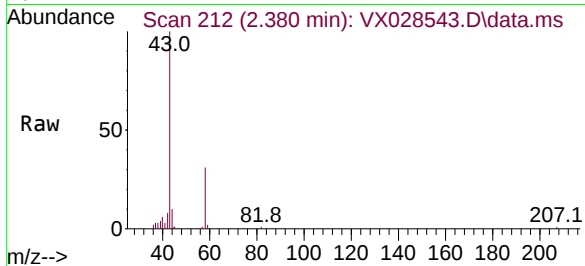




#16
Acetone
Concen: 6.370 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

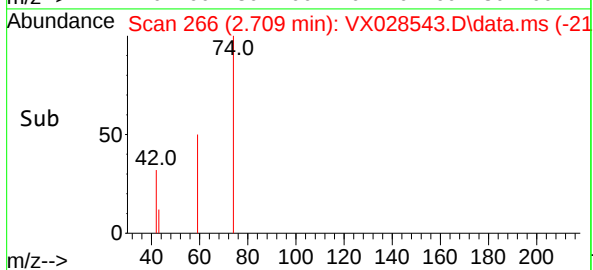
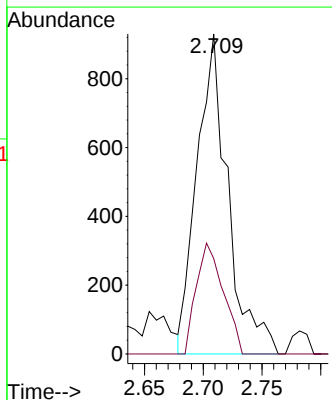
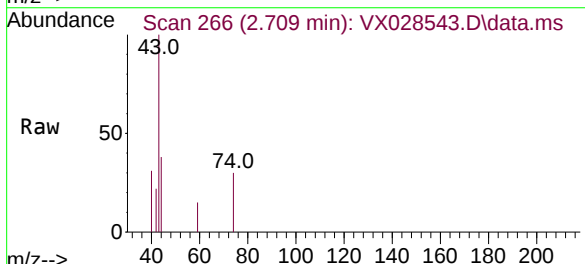
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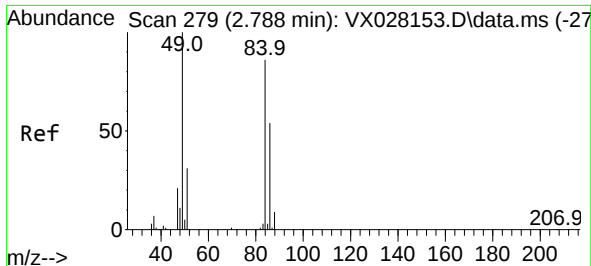
Tgt Ion: 43 Resp: 12731
Ion Ratio Lower Upper
43 100
58 31.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.356 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
74 30.2 22.8 34.2

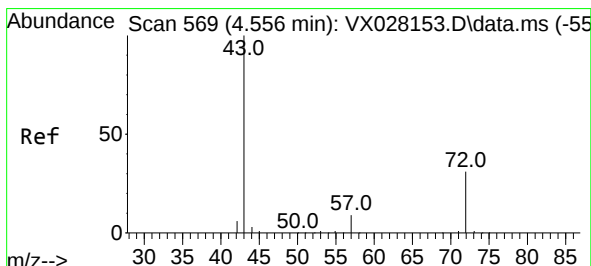
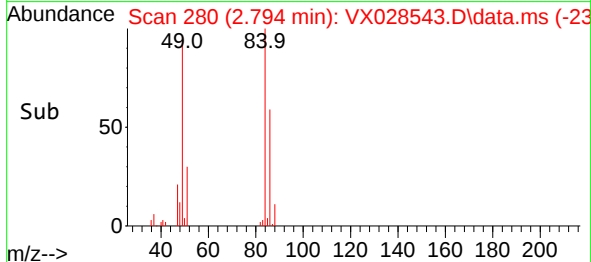
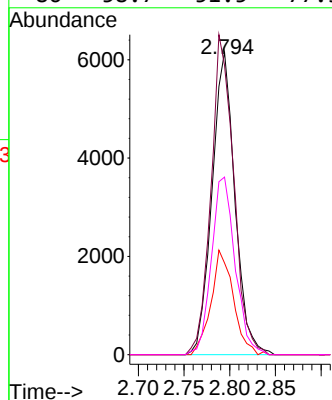
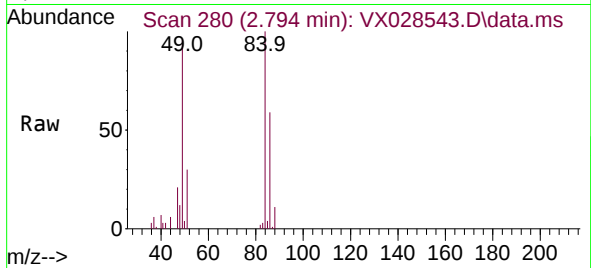




#20
Methylene Chloride
Concen: 2.684 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

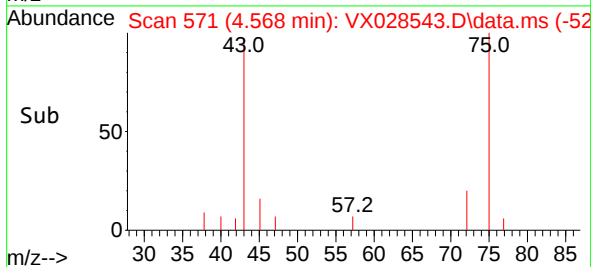
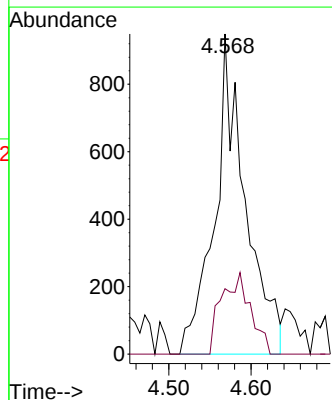
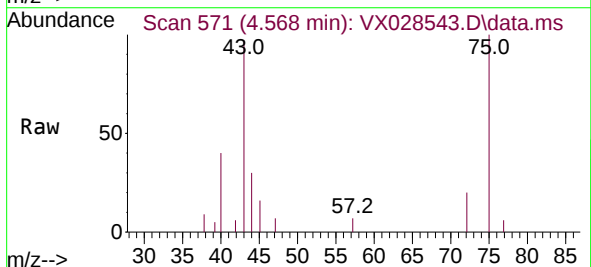
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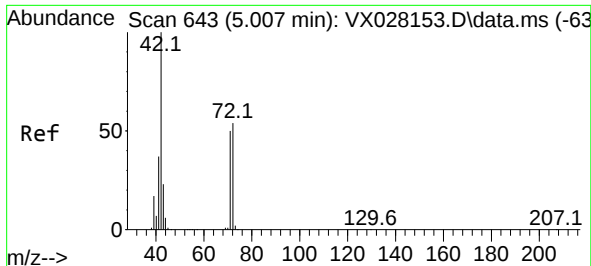
Tgt Ion:	84	Resp:	10737
Ion	Ratio	Lower	Upper
84	100		
49	95.6	85.5	128.3
51	30.3	26.6	39.8
86	58.7	51.5	77.3



#25
2-Butanone
Concen: 0.770 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion:	43	Resp:	2459
Ion	Ratio	Lower	Upper
43	100		
72	20.4	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.348 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

PB144610TB

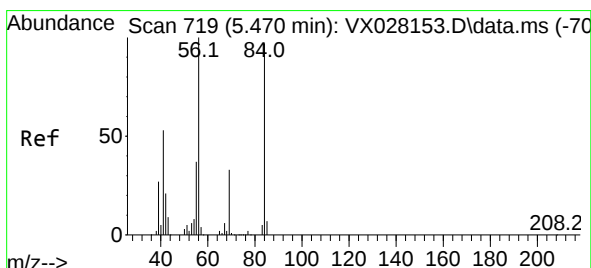
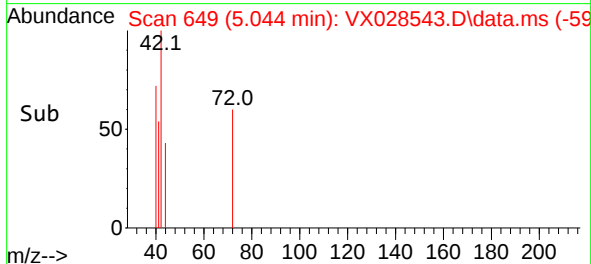
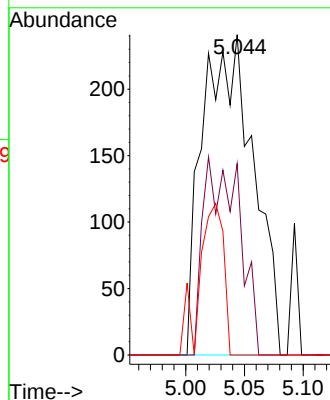
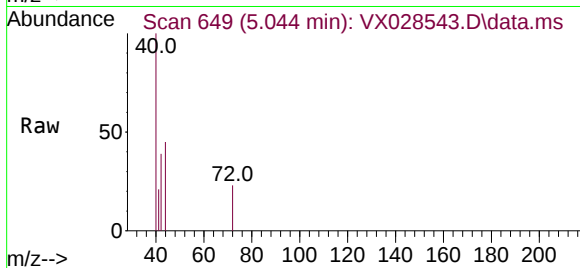
Tgt Ion: 42 Resp: 725

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

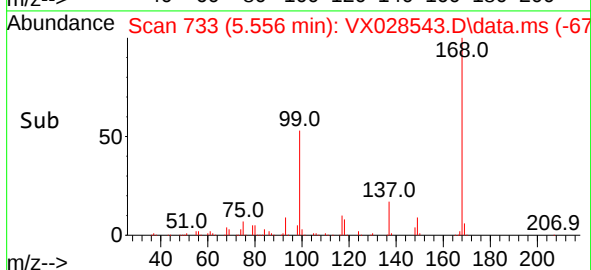
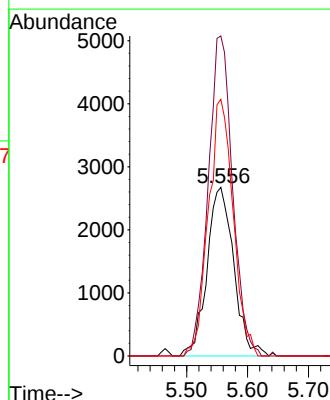
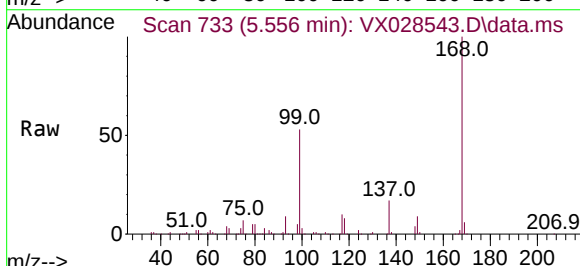
Tgt Ion: 56 Resp: 8160

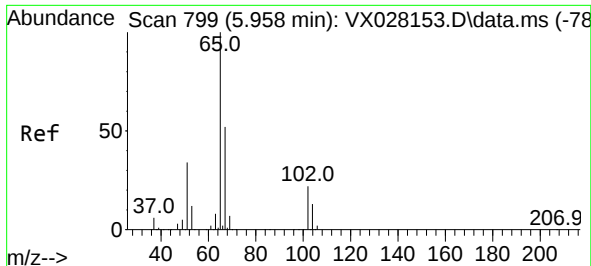
Ion Ratio Lower Upper

56 100

69 189.8 26.7 40.1#

84 152.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.528 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

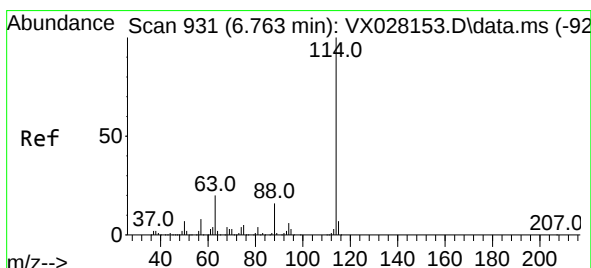
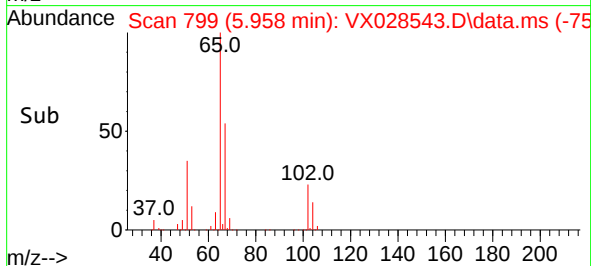
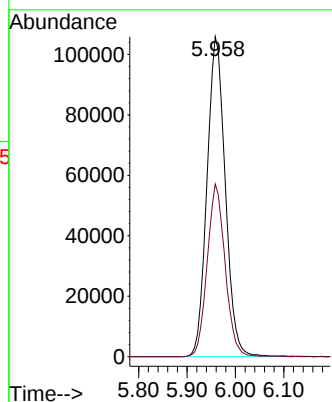
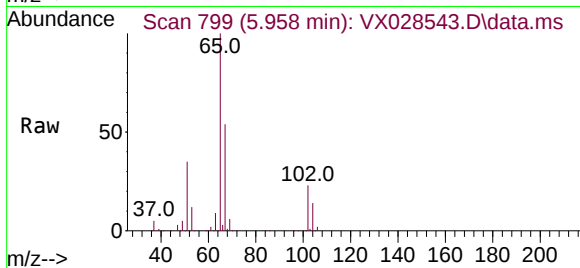
PB144610TB

Tgt Ion: 65 Resp: 277820

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

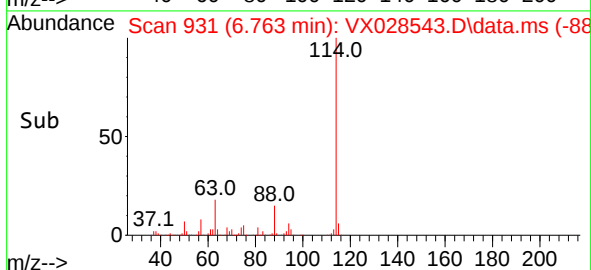
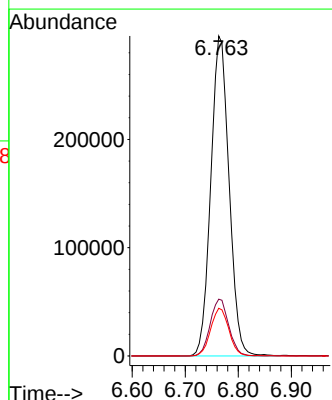
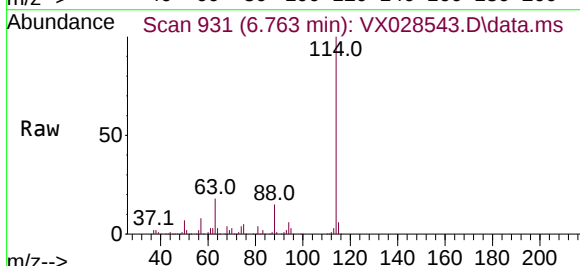
Tgt Ion: 114 Resp: 706107

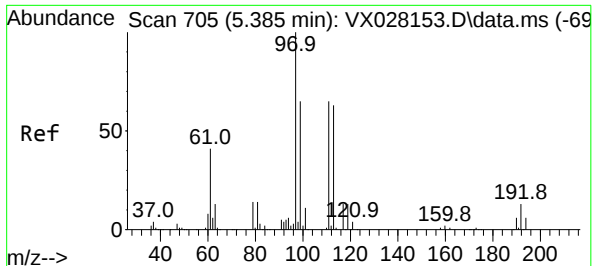
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 14.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.332 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

PB144610TB

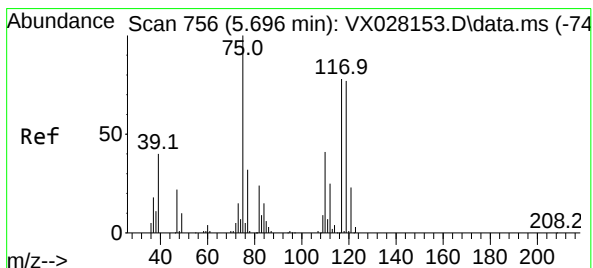
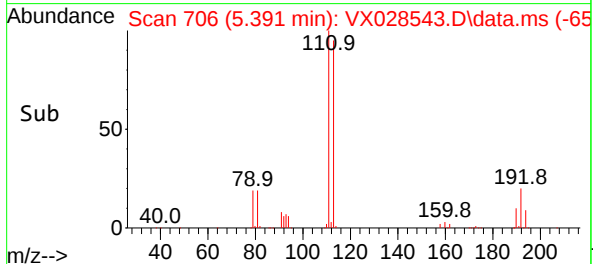
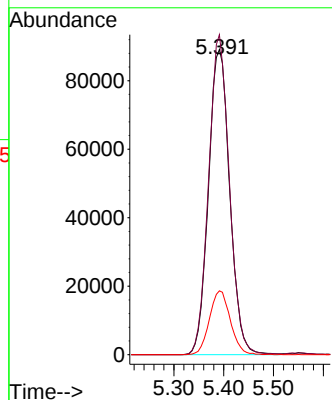
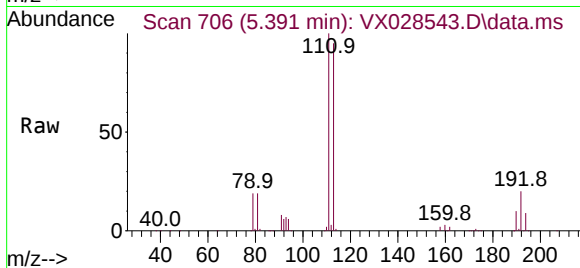
Tgt Ion:113 Resp: 264094

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 20.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.498 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

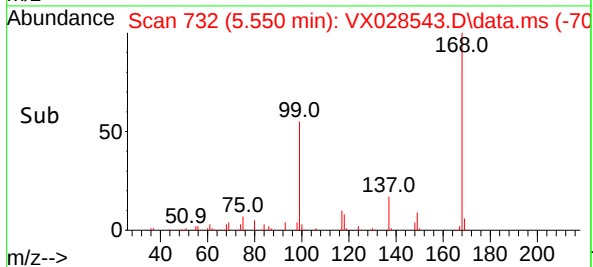
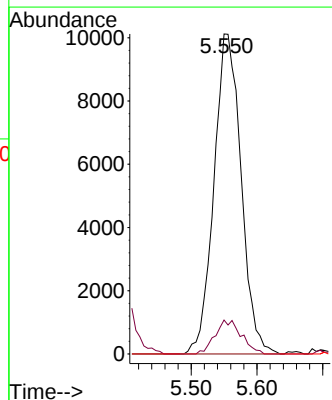
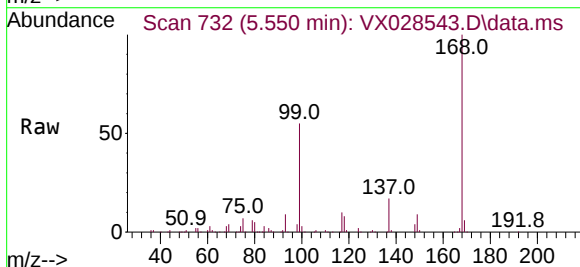
Tgt Ion: 75 Resp: 29053

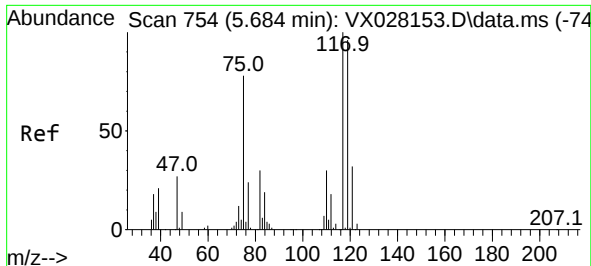
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 24.8 37.2#

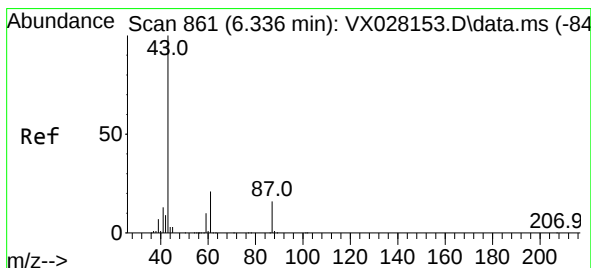
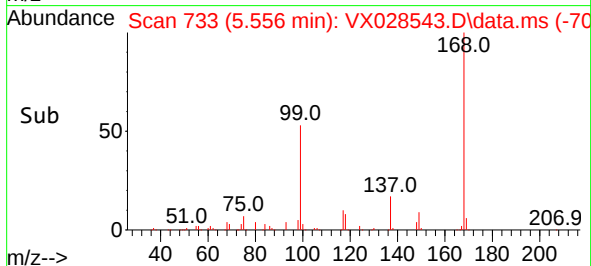
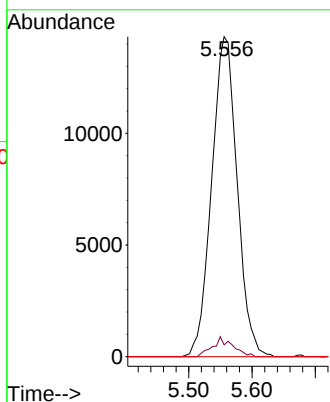
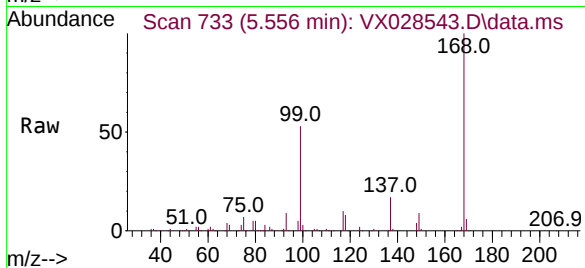




#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

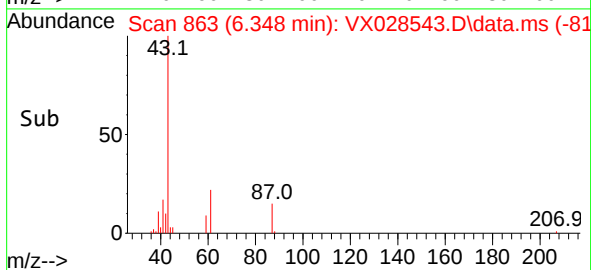
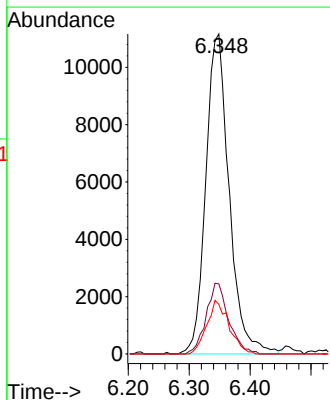
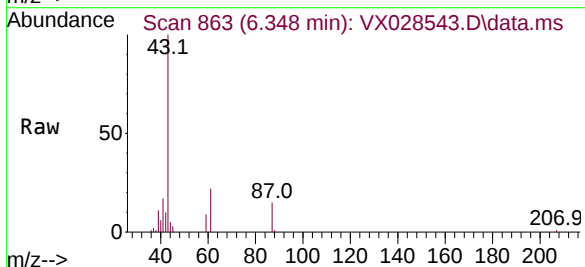
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

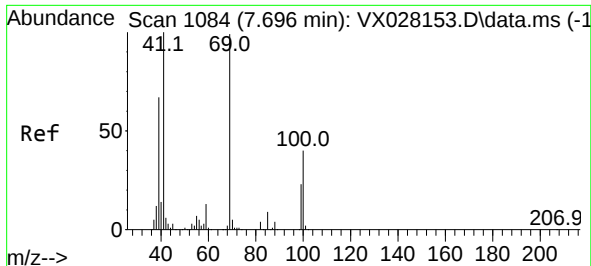
Tgt Ion:117 Resp: 40062
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.788 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 43 Resp: 29740
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 15.9 13.0 19.6





#48

Methyl methacrylate

Concen: 1.574 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

PB144610TB

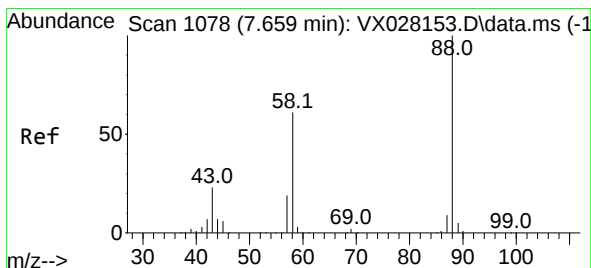
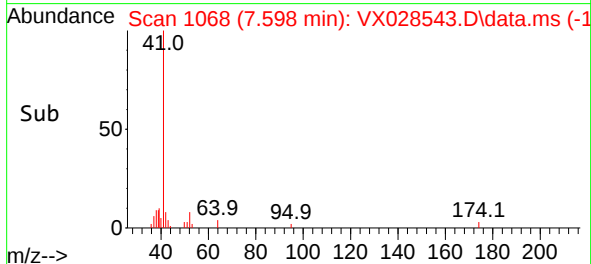
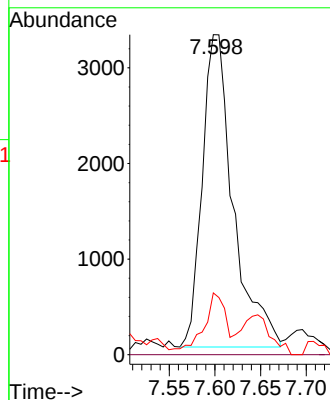
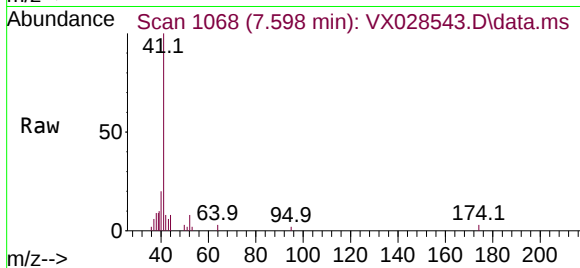
Tgt Ion: 41 Resp: 7706

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 0.580 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.037 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

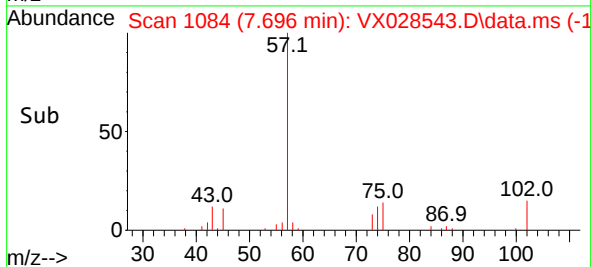
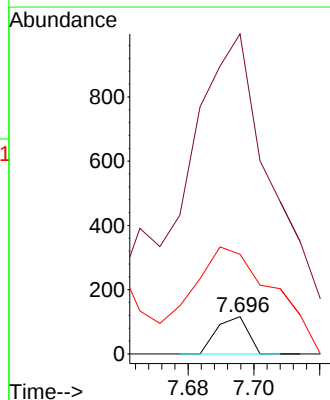
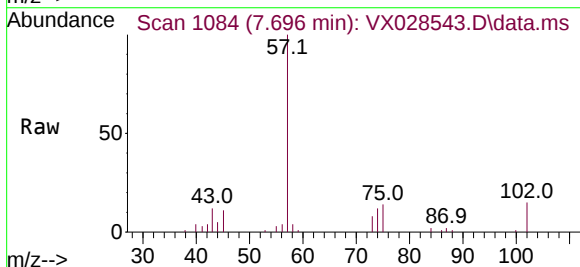
Tgt Ion: 88 Resp: 76

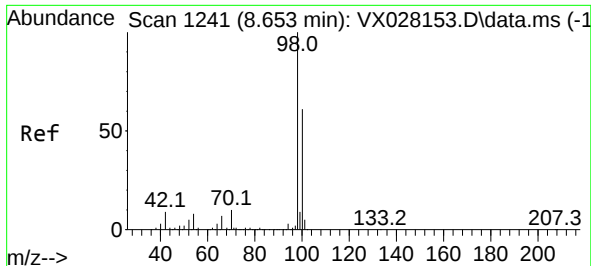
Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 752.6 53.7 80.5#

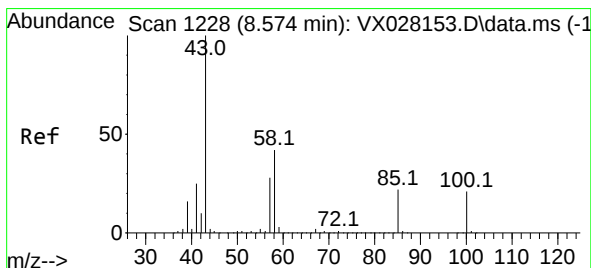
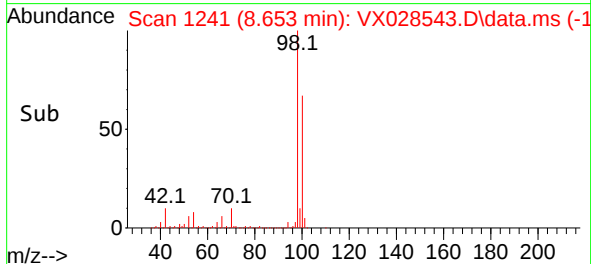
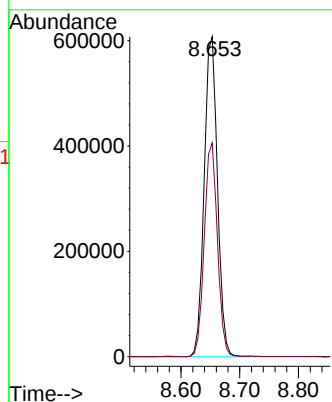
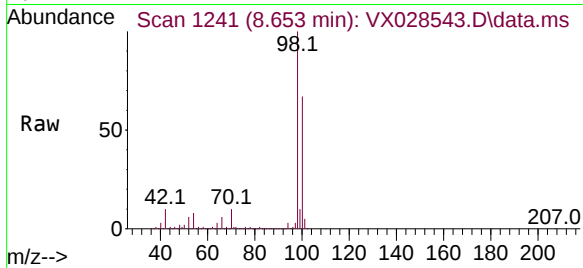




#50
Toluene-d8
Concen: 50.246 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

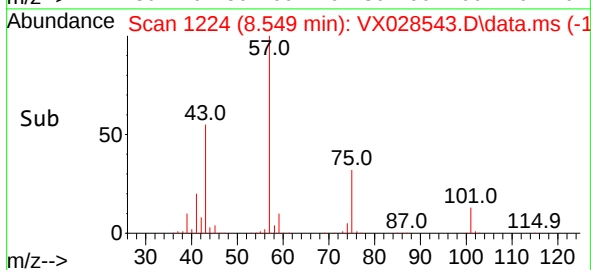
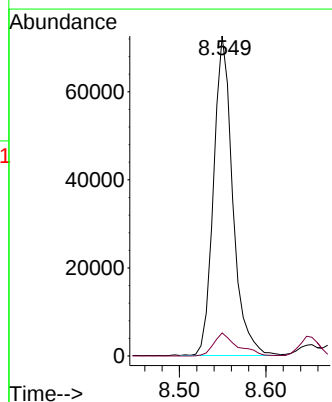
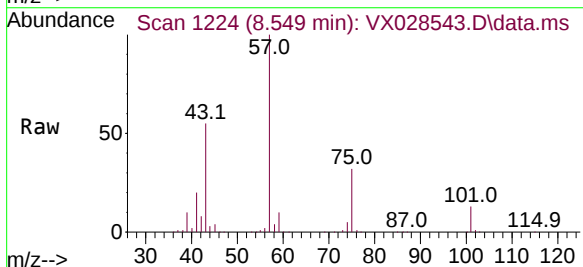
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

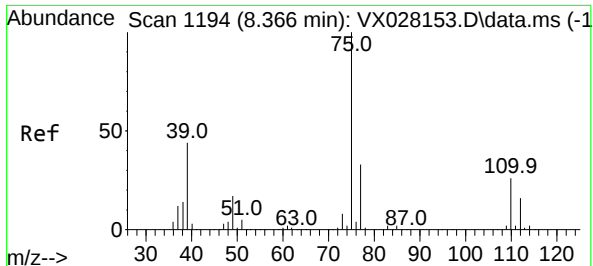
Tgt Ion: 98 Resp: 955632
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.305 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 43 Resp: 111612
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

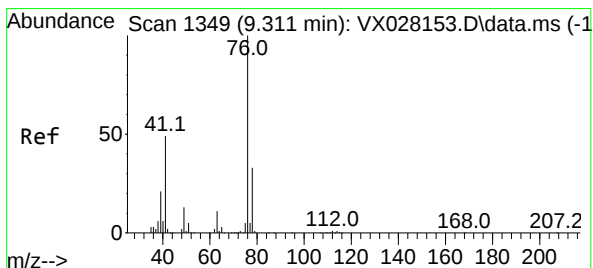
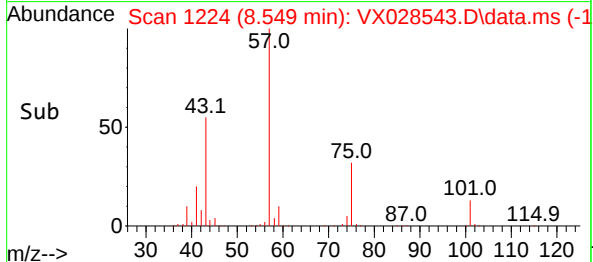
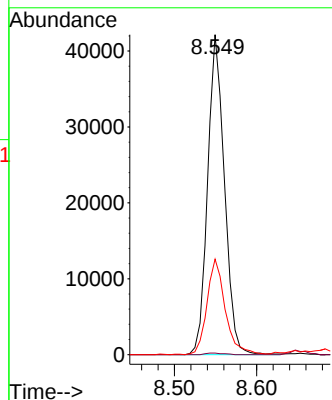
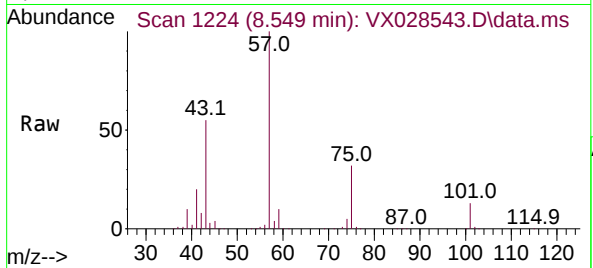




#54
 cis-1,3-Dichloropropene
 Concen: 7.517 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028543.D
 Acq: 06 May 2022 12:39

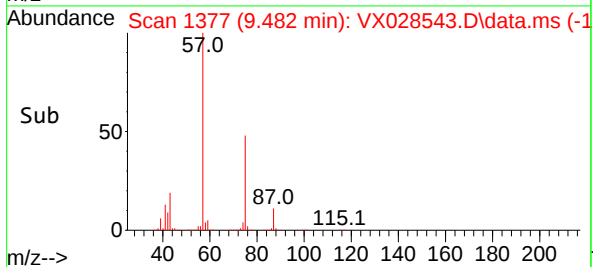
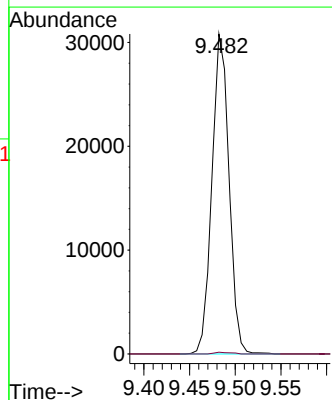
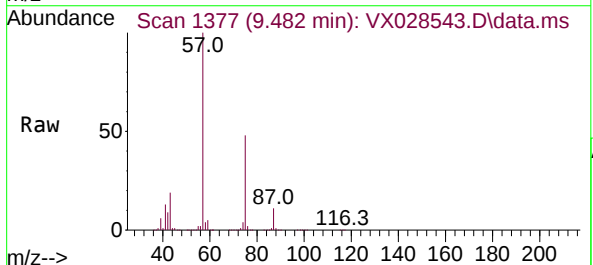
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610TB

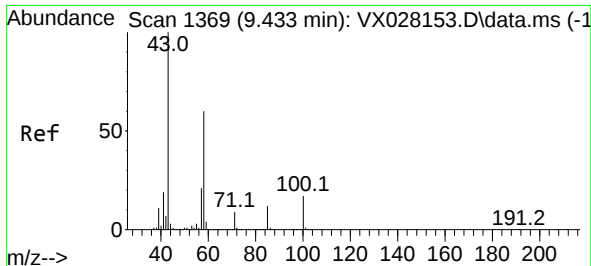
Tgt Ion: 75 Resp: 59860
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 29.7 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.645 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028543.D
 Acq: 06 May 2022 12:39

Tgt Ion: 76 Resp: 40013
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 84.515 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

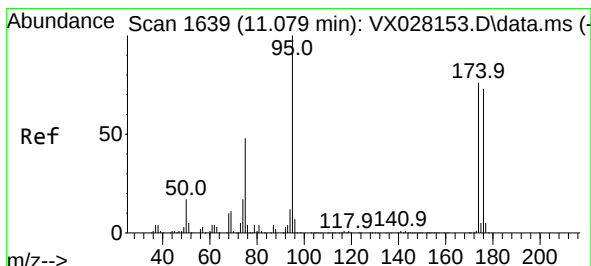
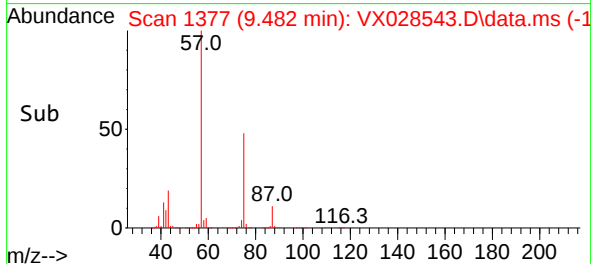
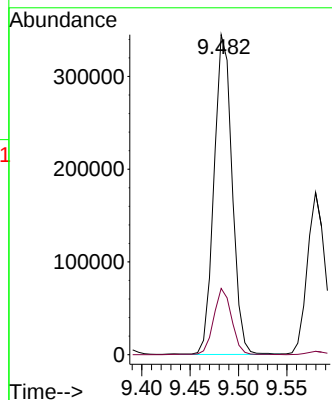
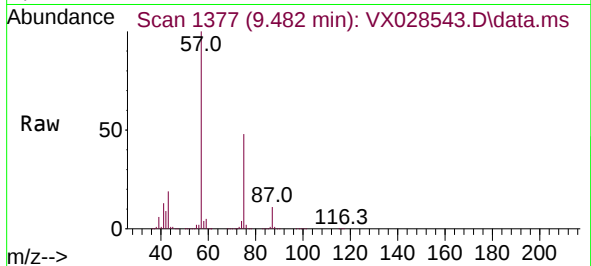
PB144610TB

Tgt Ion: 43 Resp: 448126

Ion Ratio Lower Upper

43 100

58 20.7 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 48.683 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028543.D

Acq: 06 May 2022 12:39

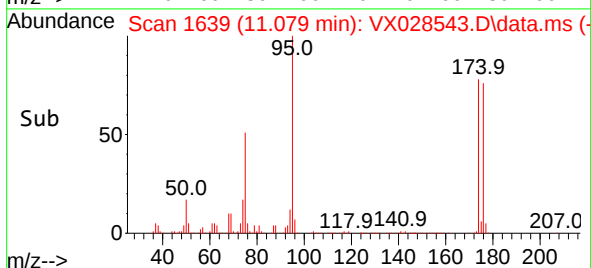
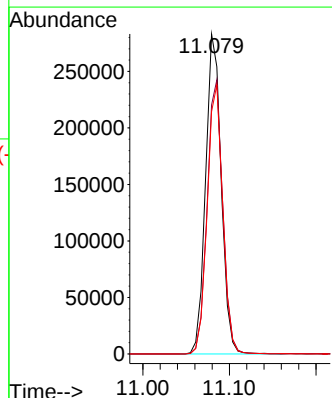
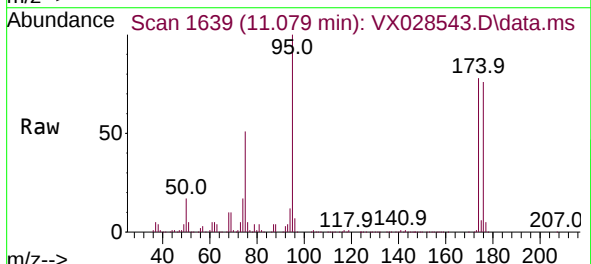
Tgt Ion: 95 Resp: 354032

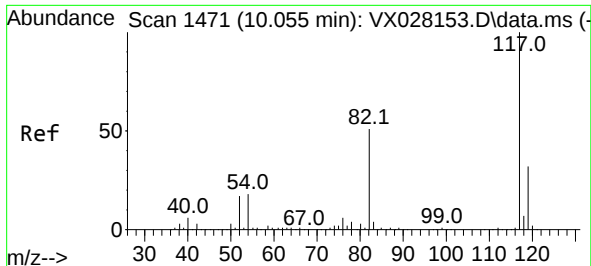
Ion Ratio Lower Upper

95 100

174 85.7 0.0 163.0

176 83.9 0.0 155.0

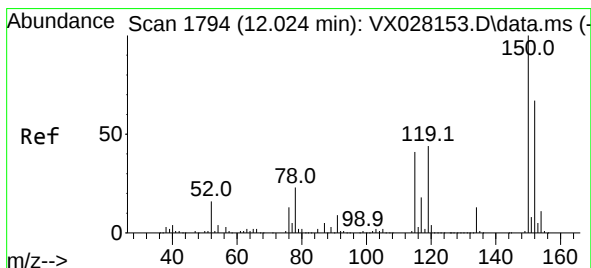
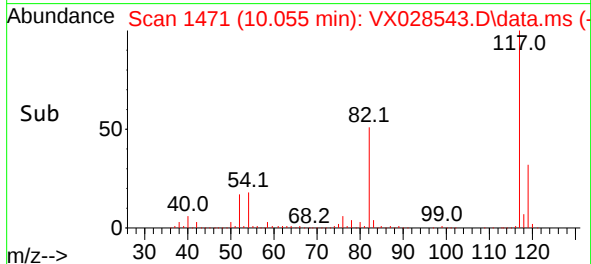
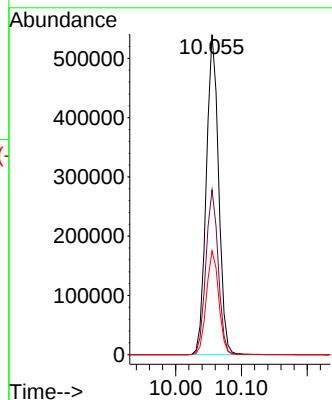
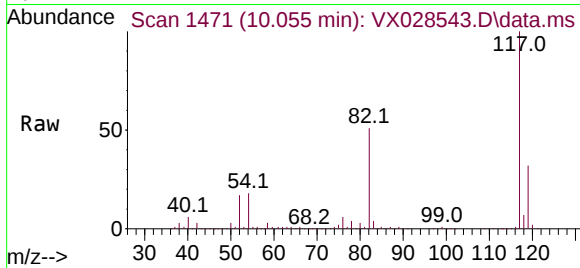




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

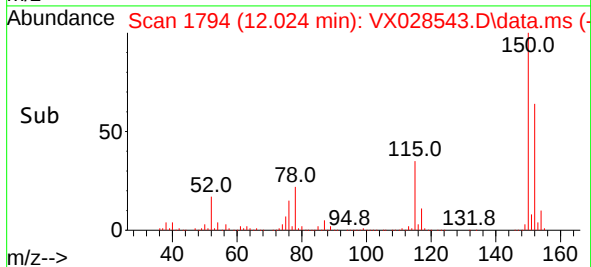
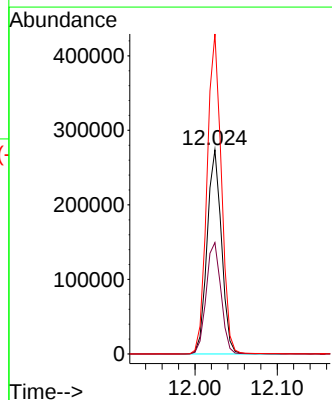
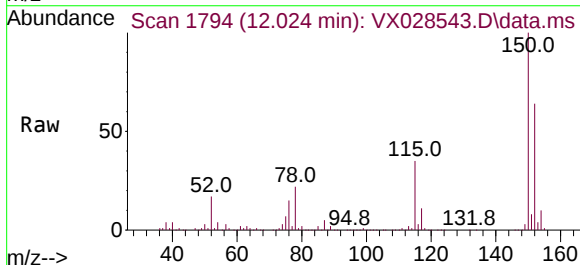
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

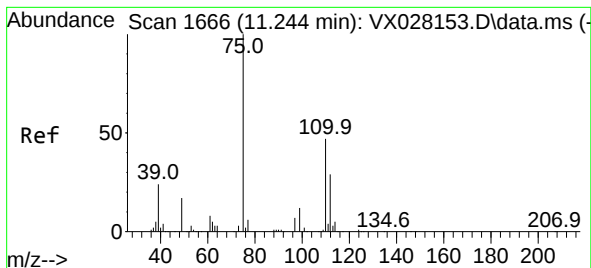
Tgt Ion:117 Resp: 705318
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion:152 Resp: 332945
Ion Ratio Lower Upper
152 100
115 56.4 37.5 112.7
150 156.5 0.0 338.2

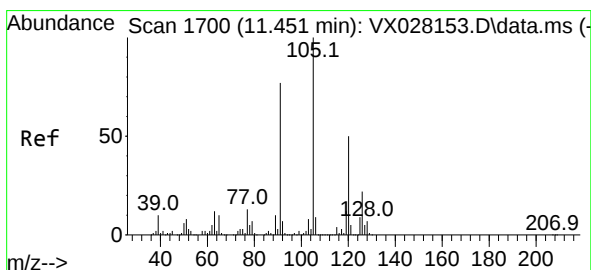
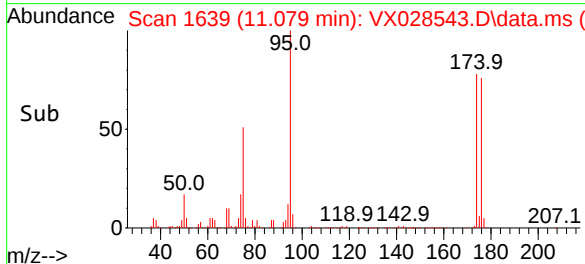
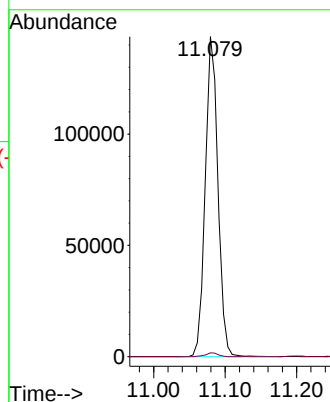
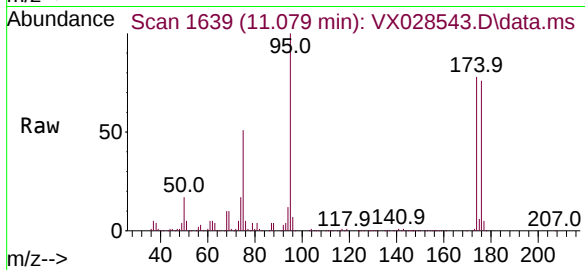




#76
1,2,3-Trichloropropane
Concen: 27.042 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

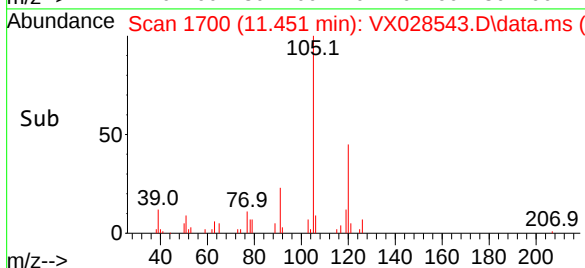
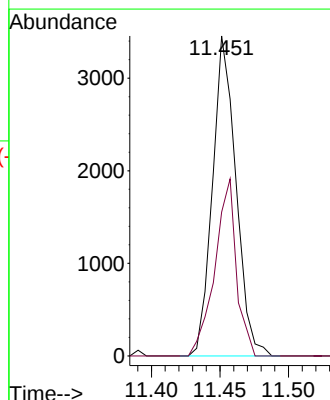
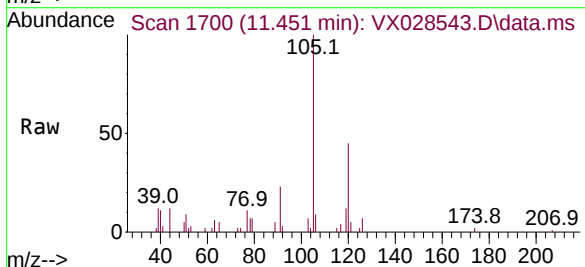
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

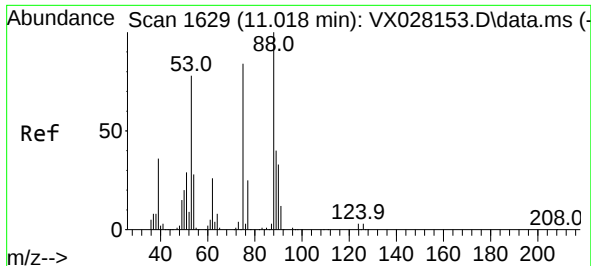
Tgt Ion: 75 Resp: 177193
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.211 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

Tgt Ion: 105 Resp: 4101
Ion Ratio Lower Upper
105 100
120 50.8 24.3 72.9

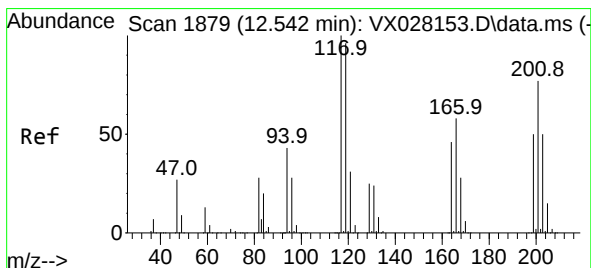
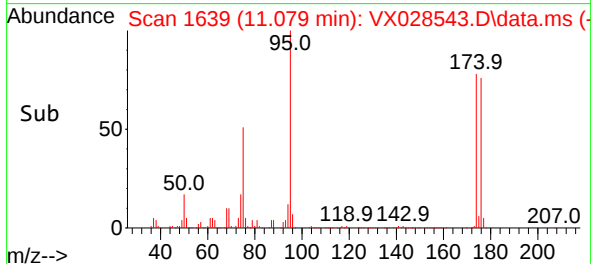
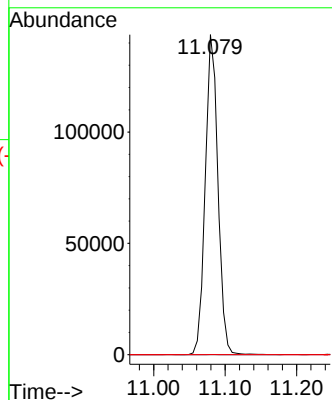
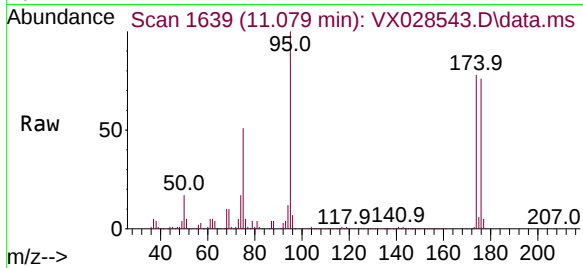




#81
trans-1,4-Dichloro-2-butene
Concen: 80.361 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

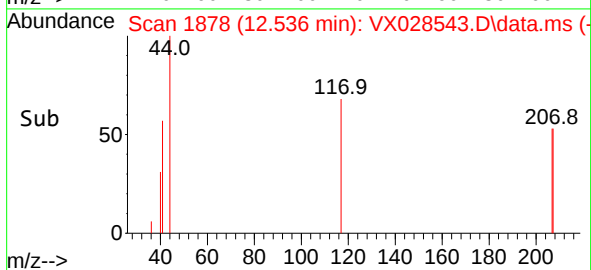
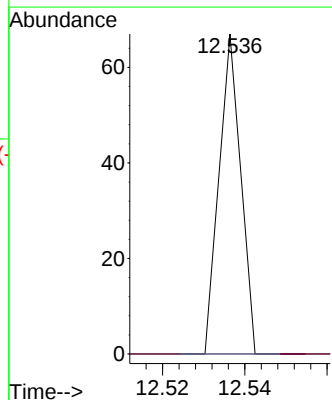
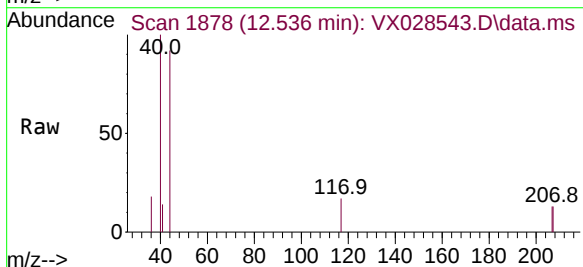
Instrument :
MSVOA_X
ClientSampleId :
PB144610TB

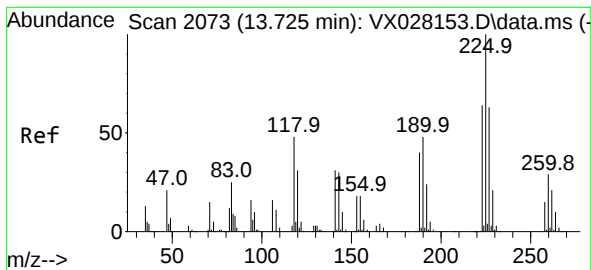
Tgt Ion: 75 Resp: 177193
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.820 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VX028543.D
Acq: 06 May 2022 12:39

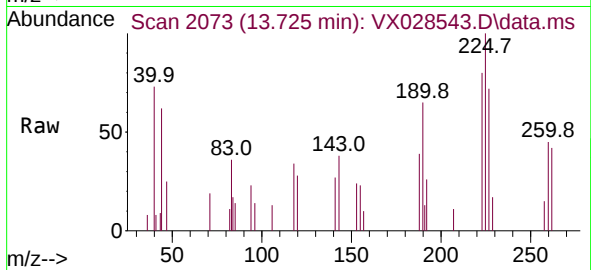
Tgt Ion: 117 Resp: 25
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#94
 Hexachlorobutadiene
 Concen: 0.263 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX028543.D
 Acq: 06 May 2022 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610TB



Tgt Ion:	225	Resp:	777
Ion	Ratio	Lower	Upper
225	100		
223	74.6	34.2	102.5
227	72.6	33.9	101.7

