

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028507.D
 Acq On : 03 May 2022 17:26
 Operator : JC/MD
 Sample : PB144525ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#04

Quant Time: May 04 06:07:03 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

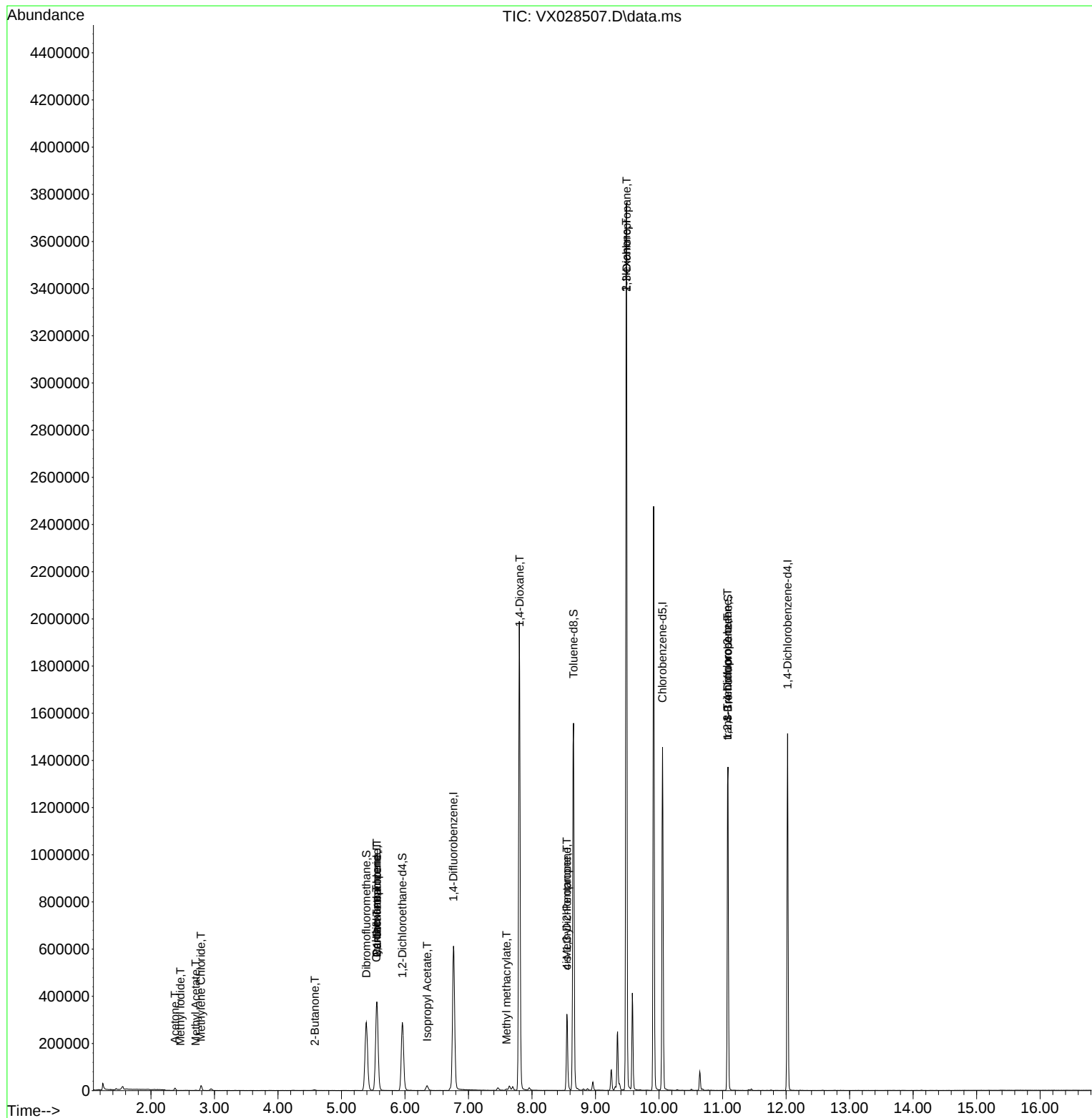
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	364189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	646529	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	674326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	314133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	274347	57.774	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 115.540%	
35) Dibromofluoromethane	5.391	113	249976	55.133	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 110.260%	
50) Toluene-d8	8.653	98	952049	54.670	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 109.340%	
62) 4-Bromofluorobenzene	11.085	95	351511	52.791	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.580%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	325	Below Cal		90
5) Bromomethane	1.618	94	773	Below Cal	#	68
6) Chloroethane	1.666	64	619	Below Cal	#	70
8) Diethyl Ether	2.124	74	48	Below Cal	#	1
10) Methyl Iodide	2.465	142	268	5.294	ug/l #	91
11) Tert butyl alcohol	2.947	59	4160	Below Cal	#	74
16) Acetone	2.380	43	10413	5.816	ug/l	91
18) Methyl Acetate	2.703	43	1885	0.446	ug/l	97
20) Methylene Chloride	2.788	84	9392	2.666	ug/l	97
25) 2-Butanone	4.581	43	3449	1.226	ug/l #	81
31) Cyclohexane	5.550	56	7069	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	26034	4.402	ug/l #	49
38) Carbon Tetrachloride	5.556	117	36964	5.536	ug/l #	15
43) Isopropyl Acetate	6.348	43	26890	2.753	ug/l	98
48) Methyl methacrylate	7.598	41	8568	1.911	ug/l #	7
49) 1,4-Dioxane	7.806	88	421	3.510	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	102001	16.275	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	54228	7.437	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	36854	4.672	ug/l #	43
59) 2-Hexanone	9.482	43	410904	84.637	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	175561	28.397	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	175561	84.389	ug/l #	15

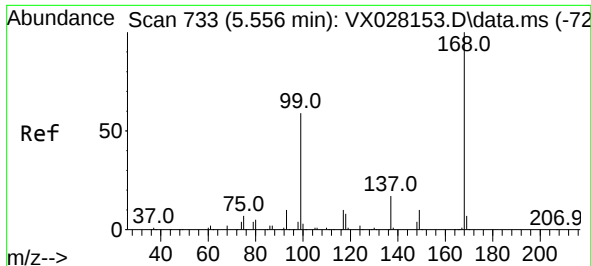
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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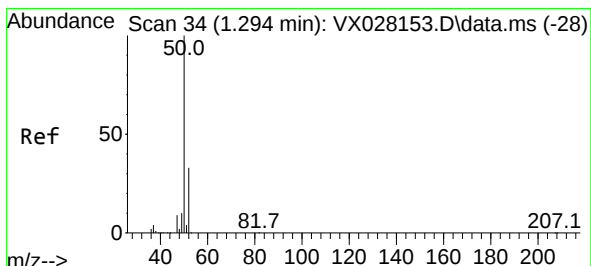
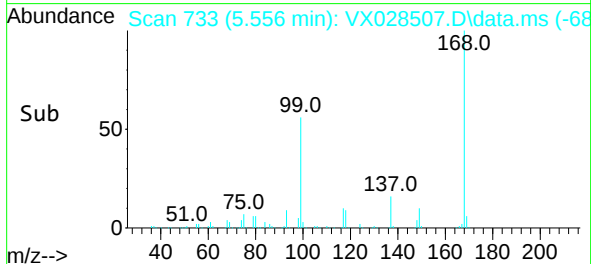
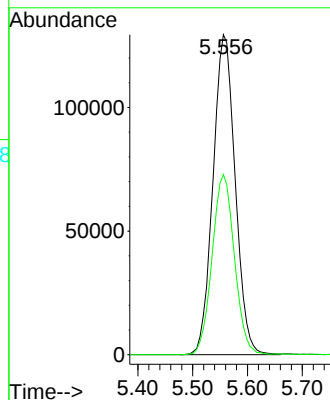
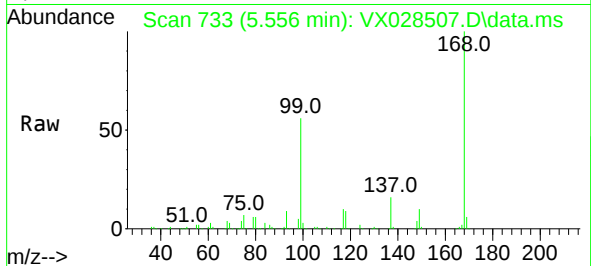




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

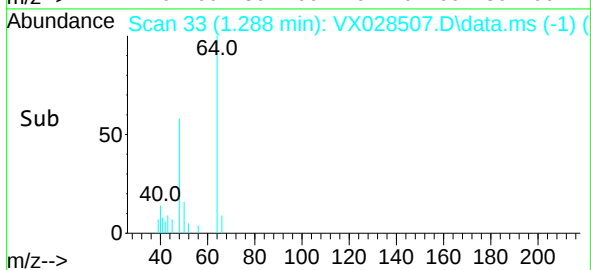
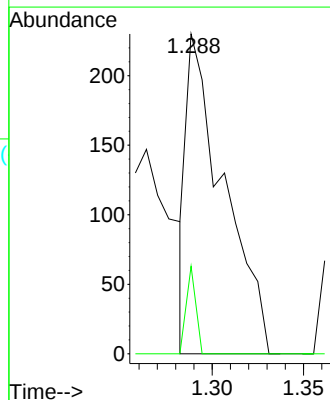
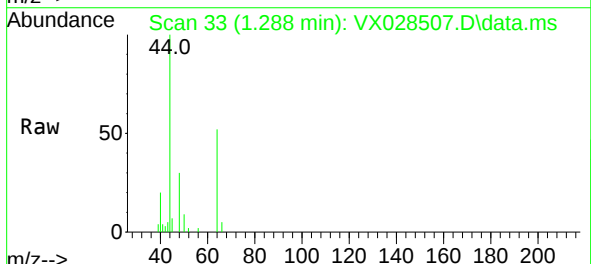
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

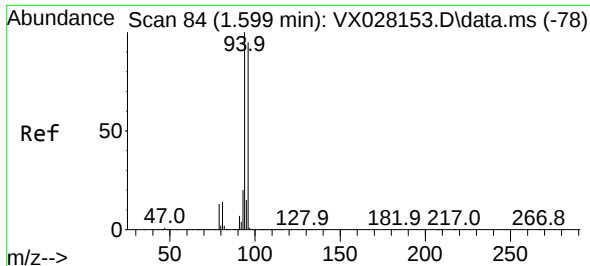
Tgt Ion:168 Resp: 364189
Ion Ratio Lower Upper
168 100
99 56.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 27.4 26.4 39.6

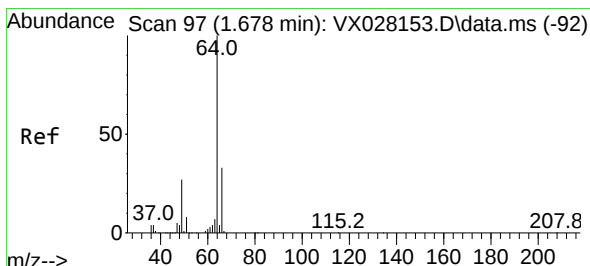
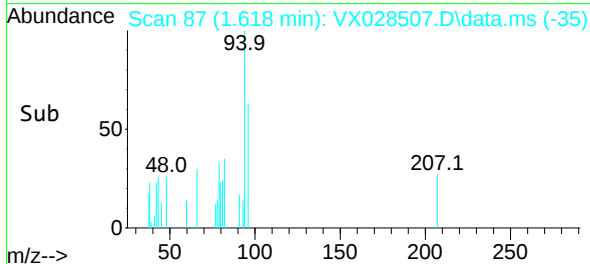
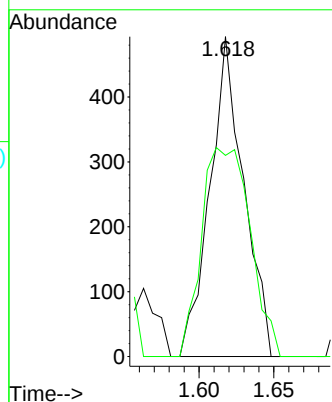
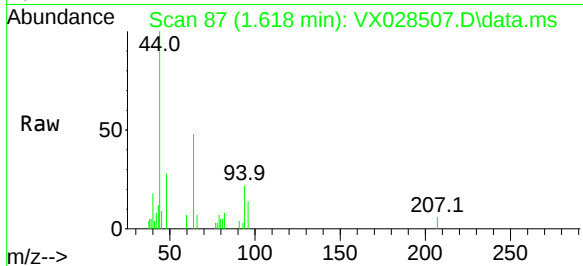




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

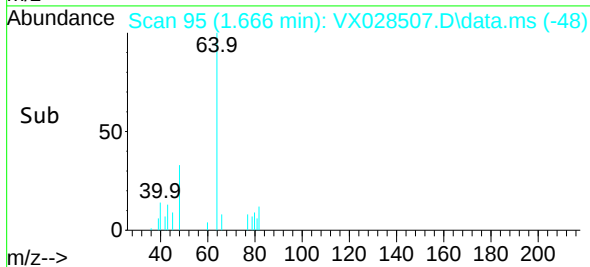
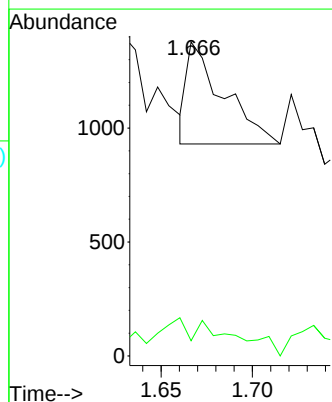
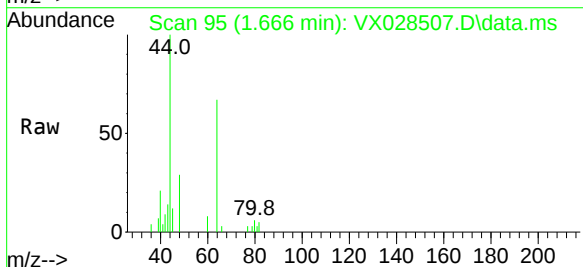
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

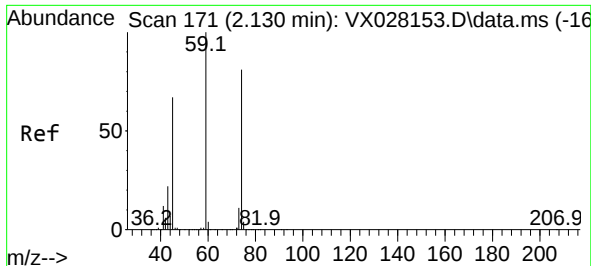
Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 62.9 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

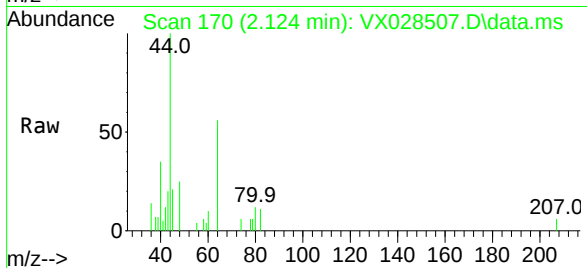
Tgt Ion: 64 Resp: 619
Ion Ratio Lower Upper
64 100
66 15.0 25.3 37.9#



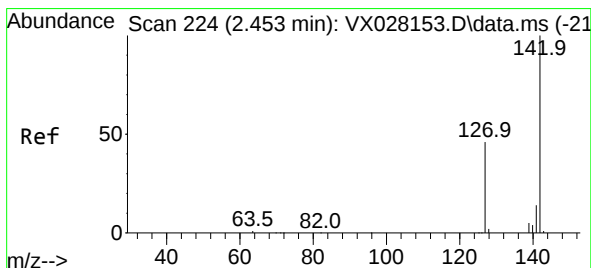
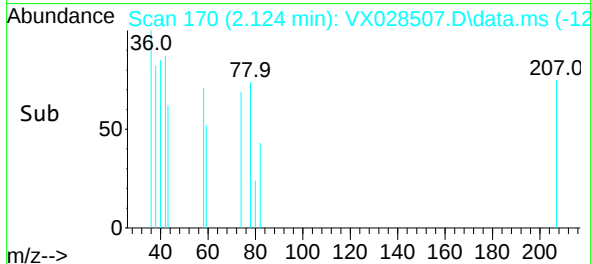
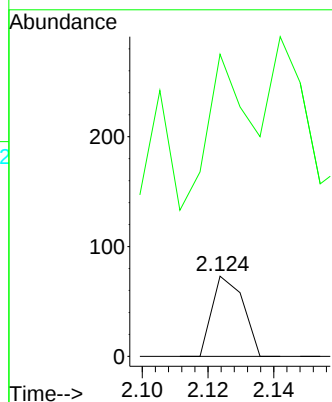


#8
Diethyl Ether
Concen: Below Cal
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

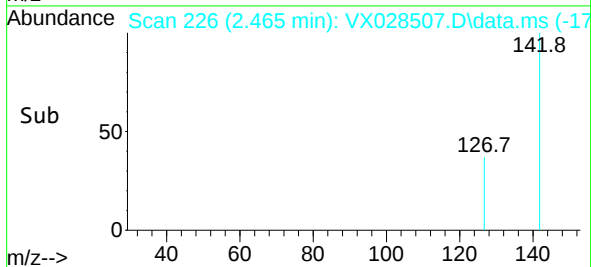
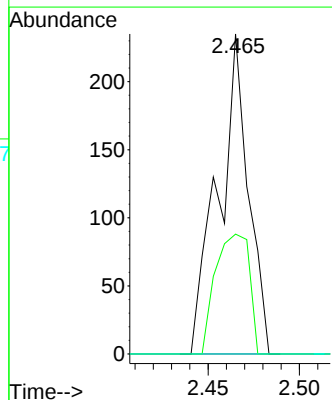
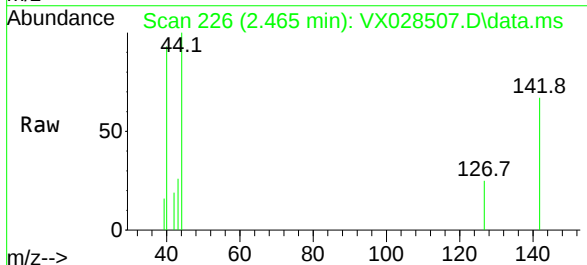


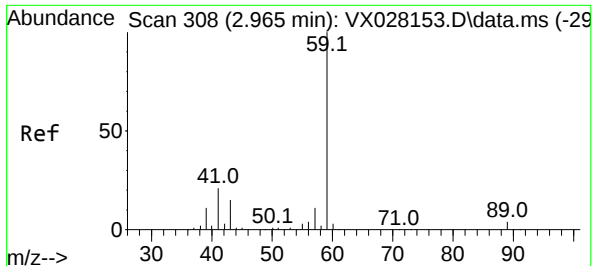
Tgt Ion: 74 Resp: 48
Ion Ratio Lower Upper
74 100
45 258.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.294 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 142 Resp: 268
Ion Ratio Lower Upper
142 100
127 42.2 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: VX028507.D

Acq: 03 May 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

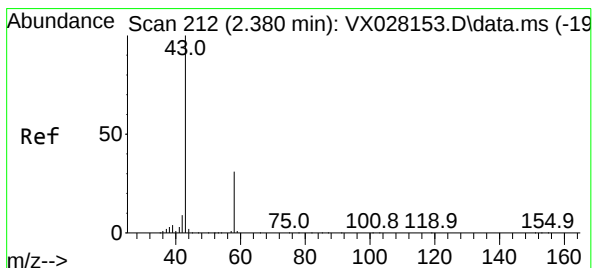
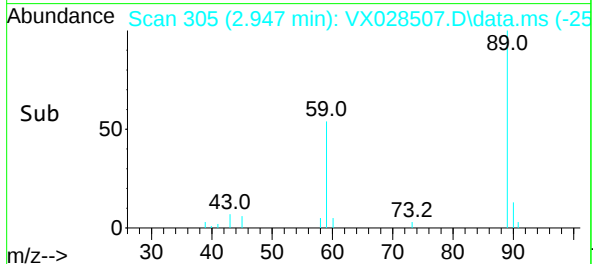
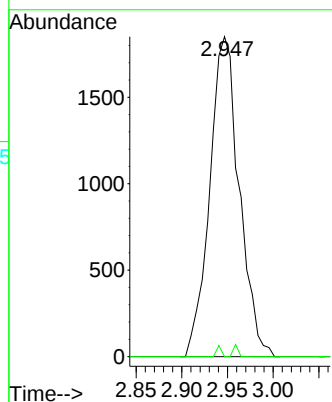
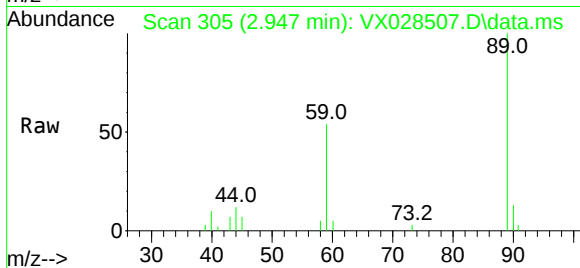
PB144525ZHE#04

Tgt Ion: 59 Resp: 4160

Ion Ratio Lower Upper

59 100

57 0.6 8.3 12.5#



#16

Acetone

Concen: 5.816 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028507.D

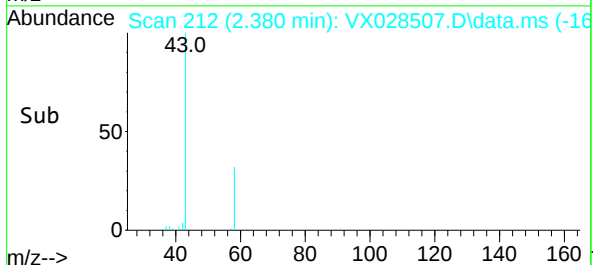
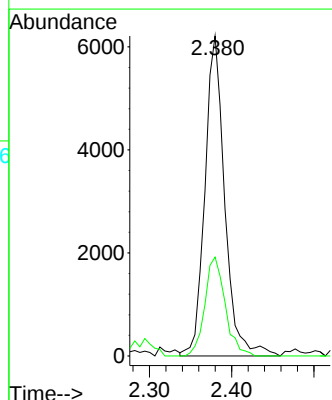
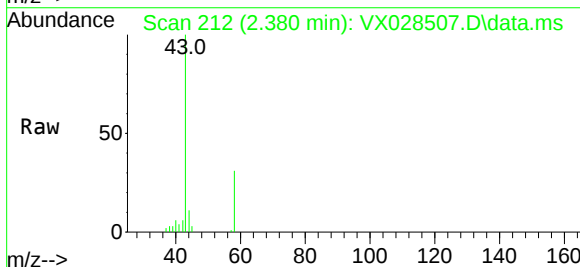
Acq: 03 May 2022 17:26

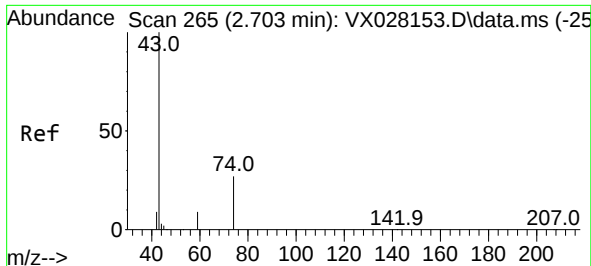
Tgt Ion: 43 Resp: 10413

Ion Ratio Lower Upper

43 100

58 30.9 28.8 43.2

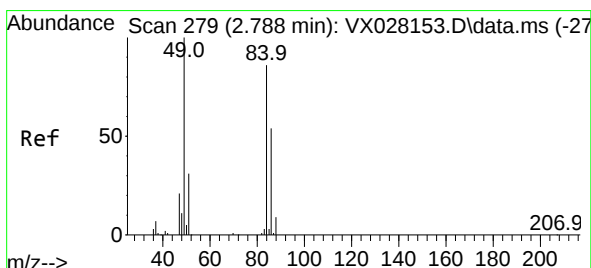
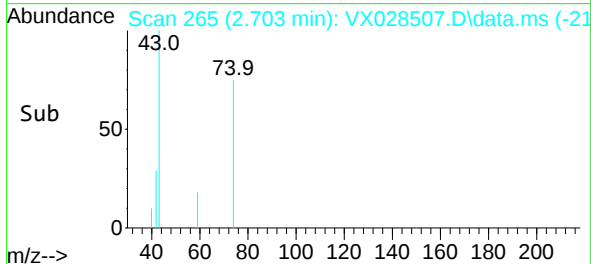
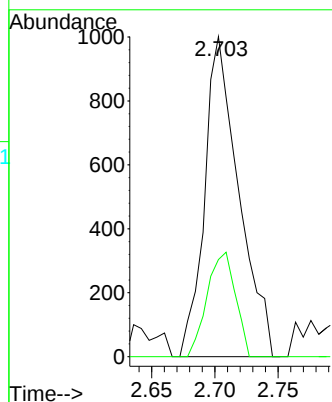
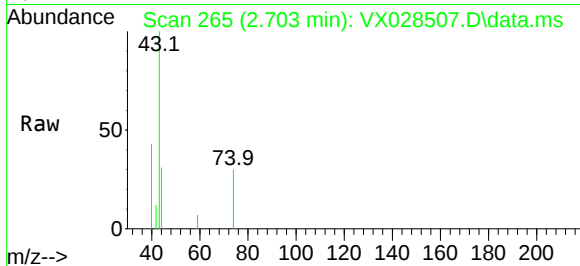




#18
Methyl Acetate
Concen: 0.446 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

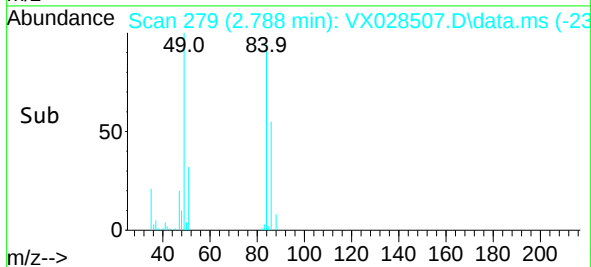
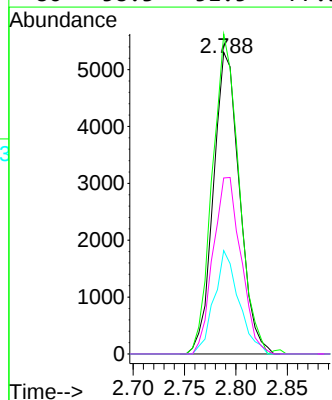
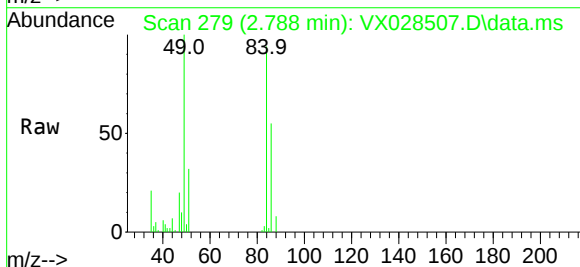
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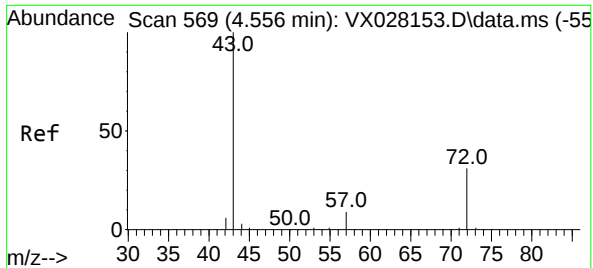
Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
74 26.9 22.8 34.2



#20
Methylene Chloride
Concen: 2.666 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 84 Resp: 9392
Ion Ratio Lower Upper
84 100
49 106.1 85.5 128.3
51 34.3 26.6 39.8
86 58.3 51.5 77.3





#25

2-Butanone

Concen: 1.226 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX028507.D

Acq: 03 May 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

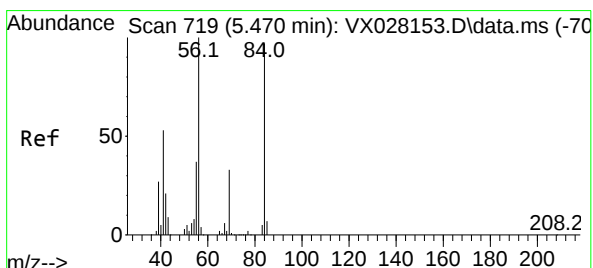
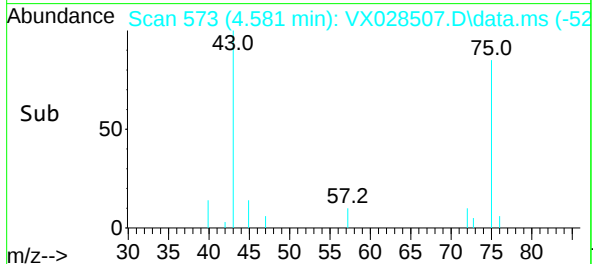
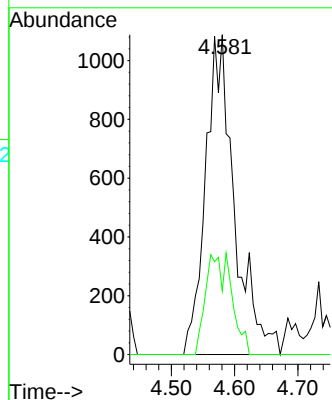
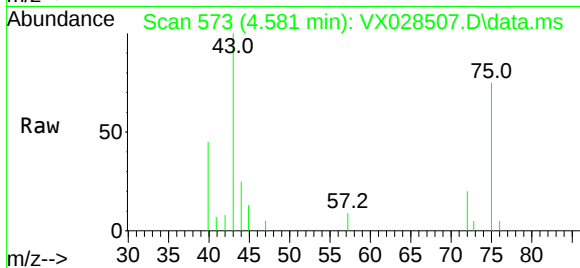
PB144525ZHE#04

Tgt Ion: 43 Resp: 3449

Ion Ratio Lower Upper

43 100

72 19.9 24.4 36.6#



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028507.D

Acq: 03 May 2022 17:26

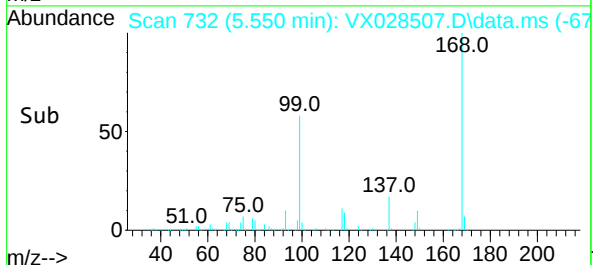
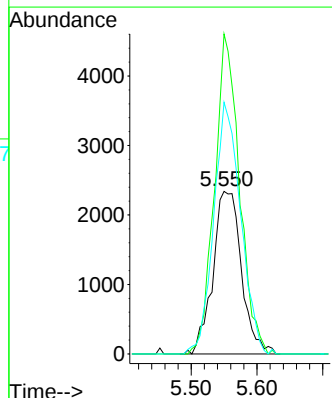
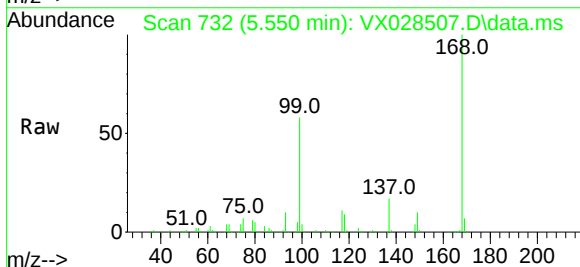
Tgt Ion: 56 Resp: 7069

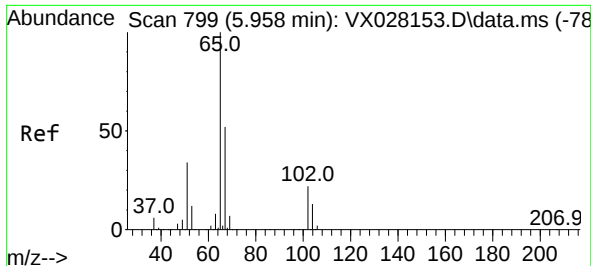
Ion Ratio Lower Upper

56 100

69 196.8 26.7 40.1#

84 154.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.774 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028507.D

Acq: 03 May 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

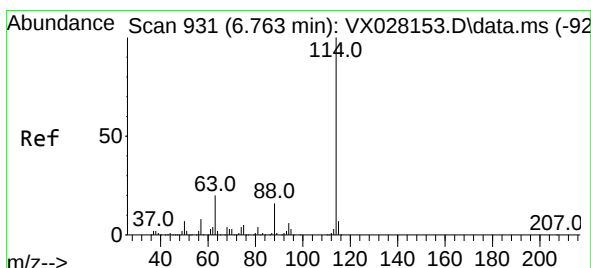
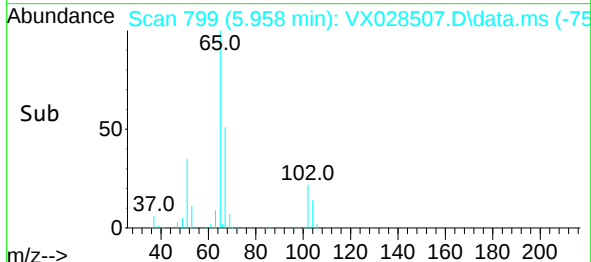
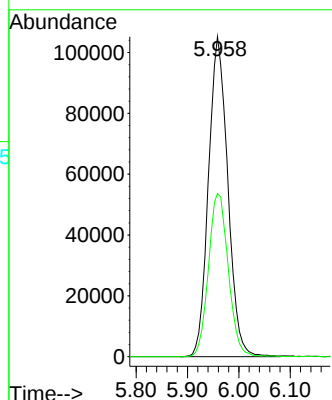
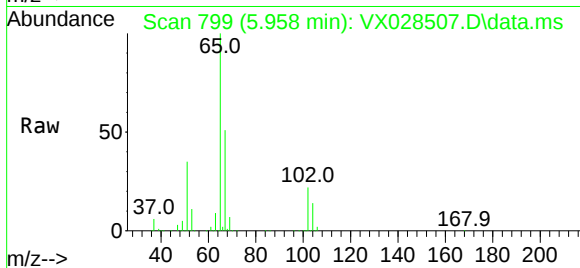
PB144525ZHE#04

Tgt Ion: 65 Resp: 274347

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# 931

Delta R.T. 0.000 min

Lab File: VX028507.D

Acq: 03 May 2022 17:26

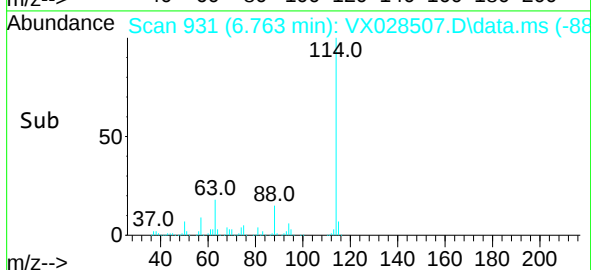
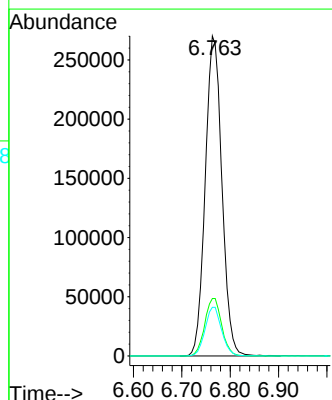
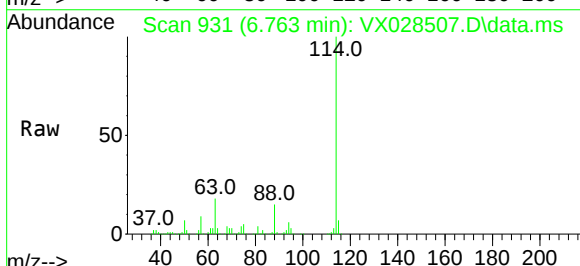
Tgt Ion: 114 Resp: 646529

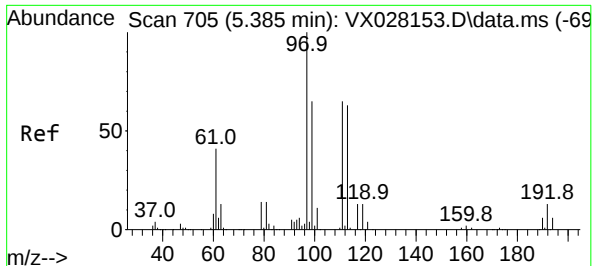
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 15.2 0.0 32.4

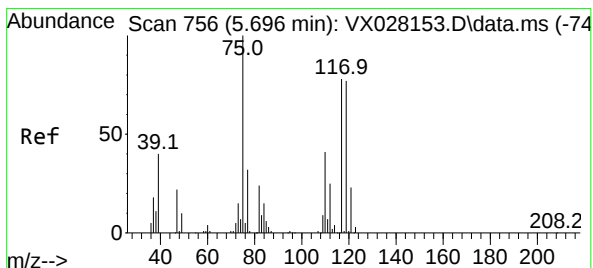
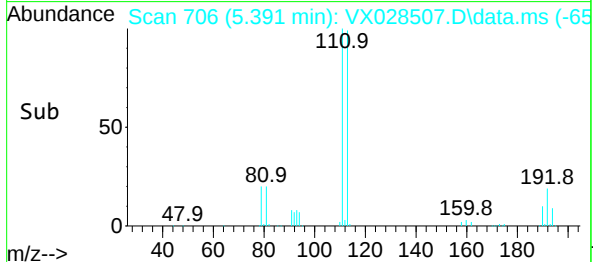
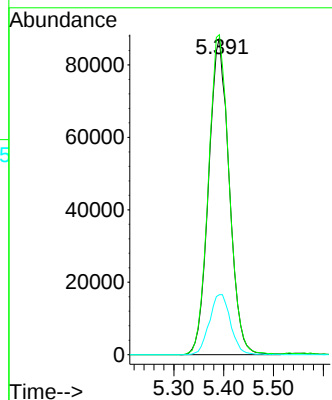
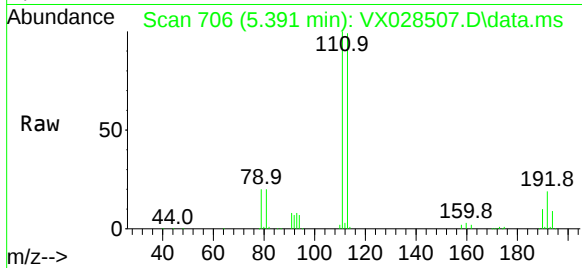




#35
Dibromofluoromethane
Concen: 55.133 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

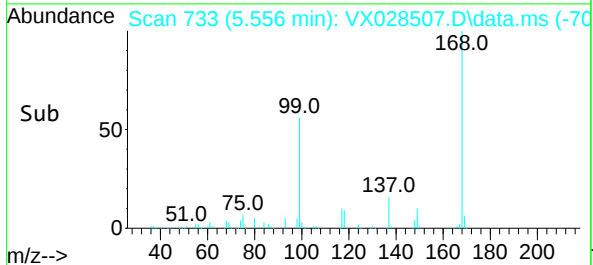
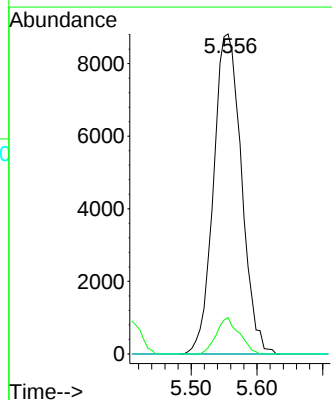
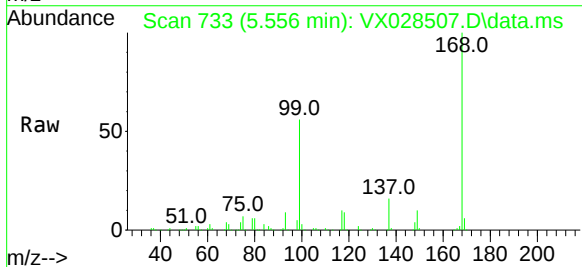
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

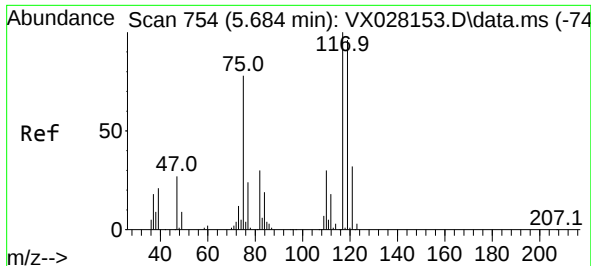
Tgt Ion:113 Resp: 249976
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.402 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

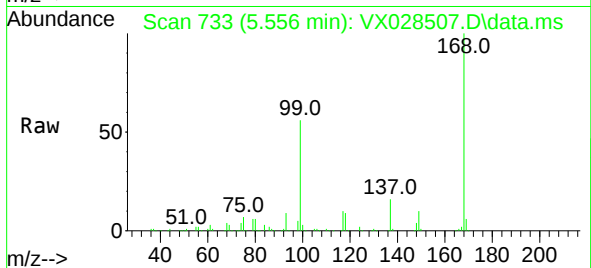
Tgt Ion: 75 Resp: 26034
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



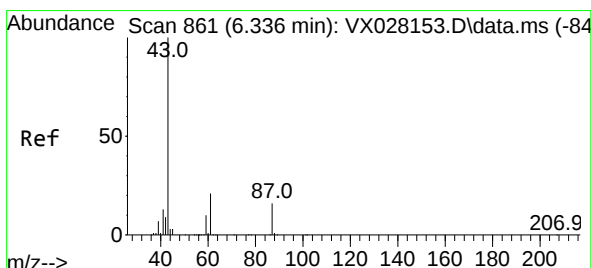
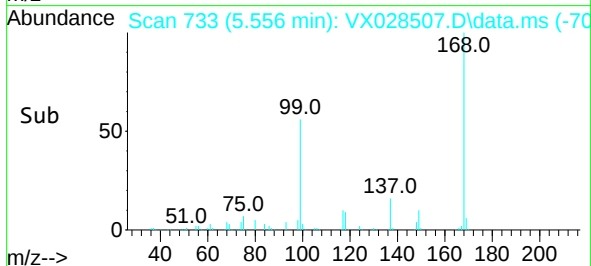
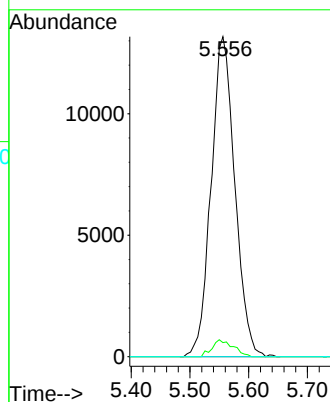


#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

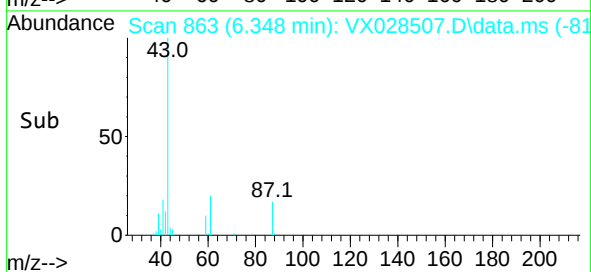
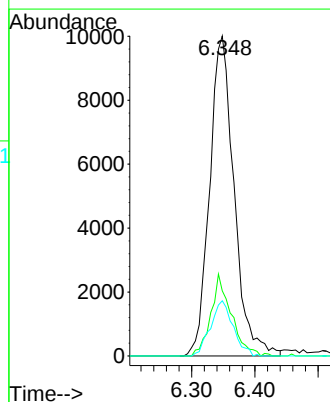
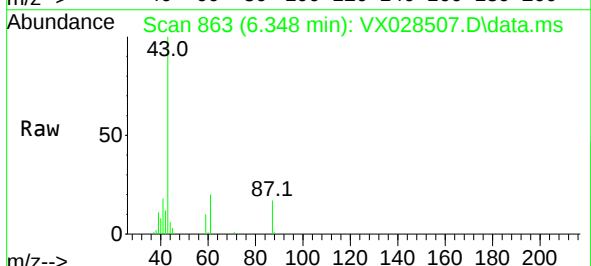


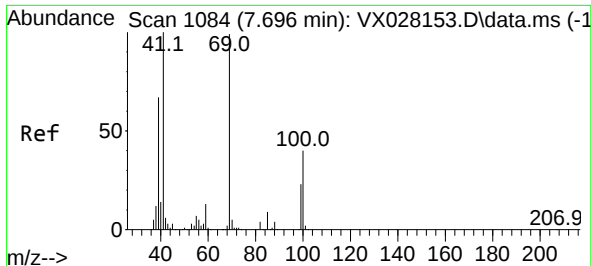
Tgt Ion:117 Resp: 36964
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.753 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

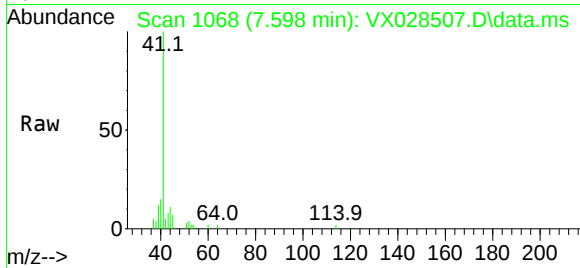
Tgt Ion: 43 Resp: 26890
Ion Ratio Lower Upper
43 100
61 21.4 18.5 27.7
87 16.0 13.0 19.6



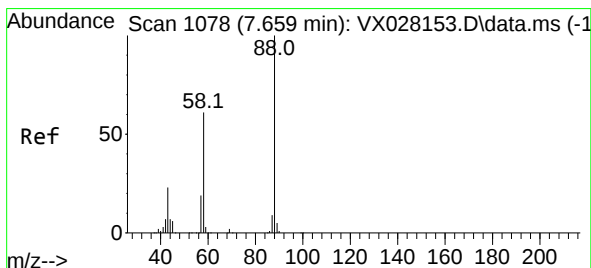
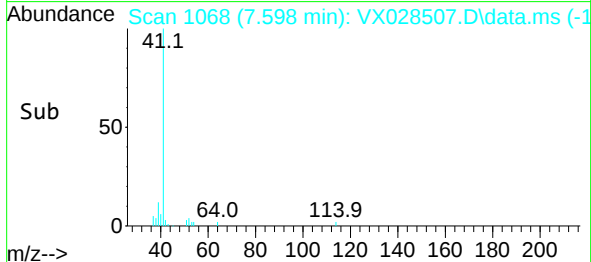
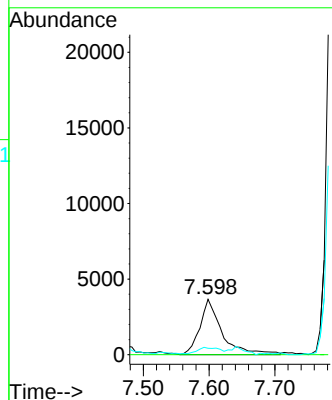


#48
Methyl methacrylate
Concen: 1.911 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

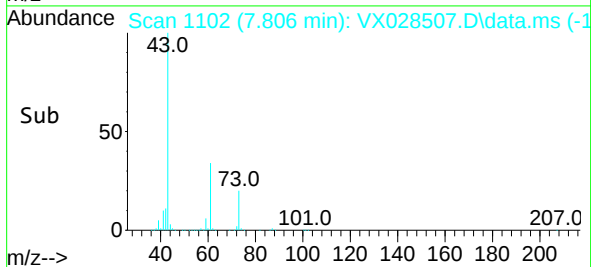
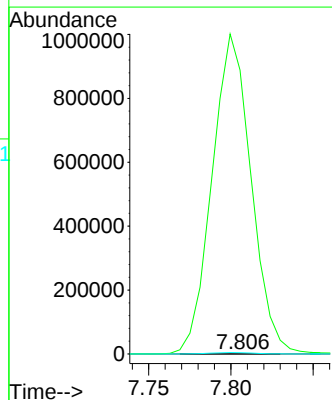
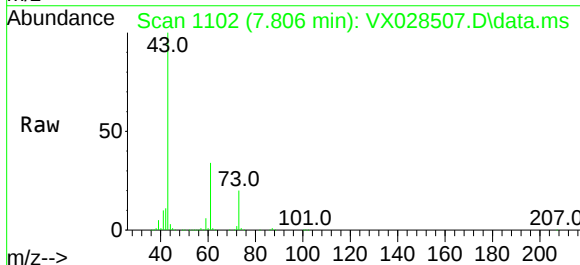


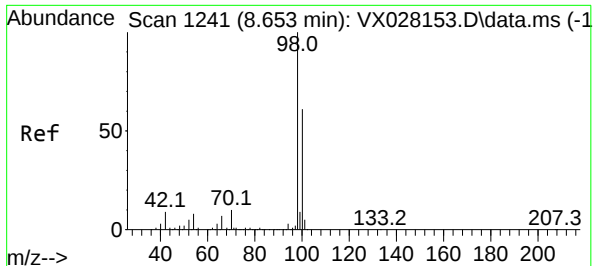
Tgt Ion: 41 Resp: 8568
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.510 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.147 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 88 Resp: 421
Ion Ratio Lower Upper
88 100
43 395899.0 21.9 32.9#
58 1923.0 53.7 80.5#

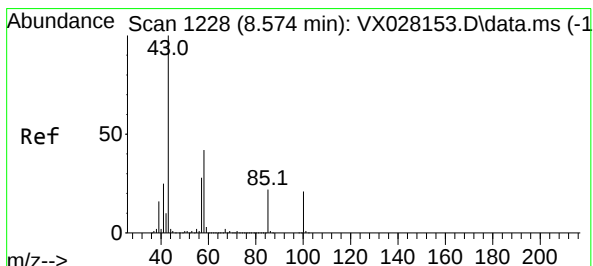
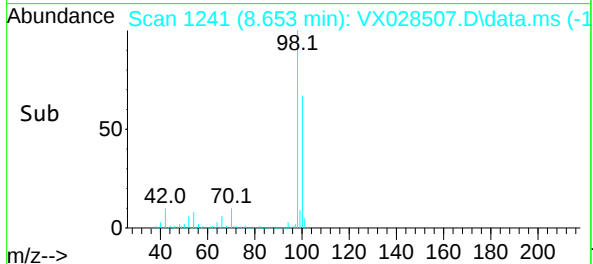
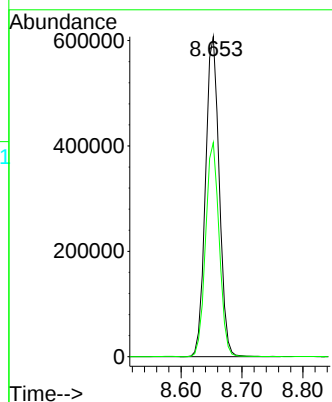
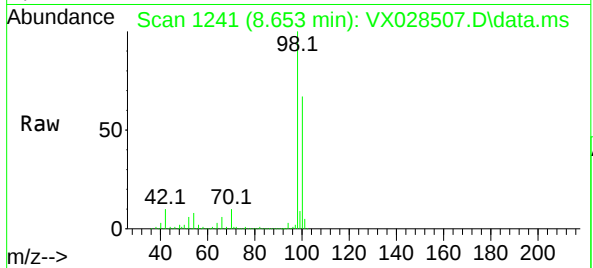




#50
Toluene-d8
Concen: 54.670 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

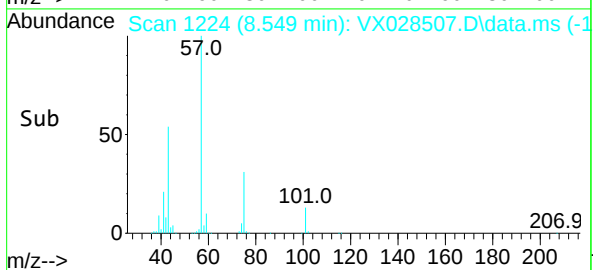
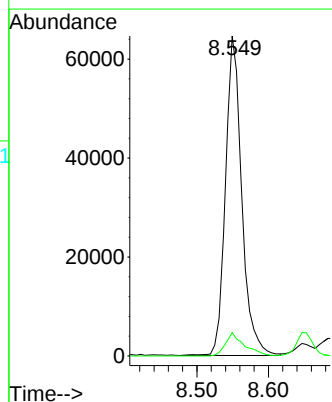
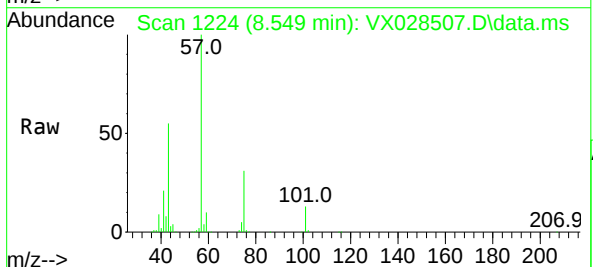
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

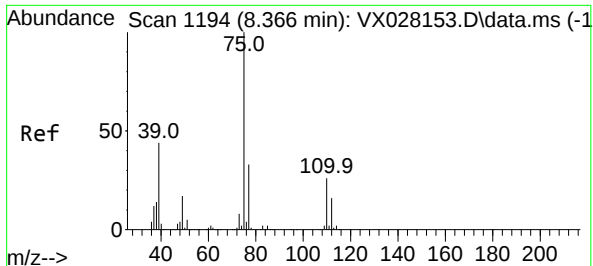
Tgt Ion: 98 Resp: 952049
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.275 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 43 Resp: 102001
Ion Ratio Lower Upper
43 100
58 8.6 36.1 54.1#

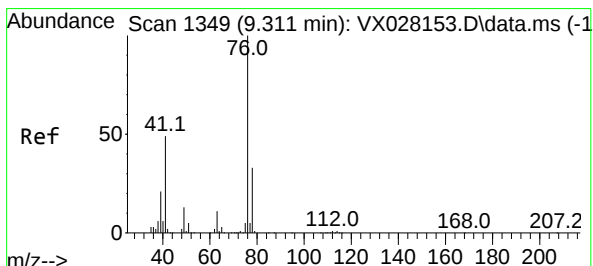
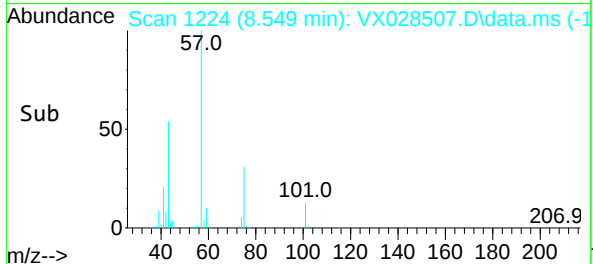
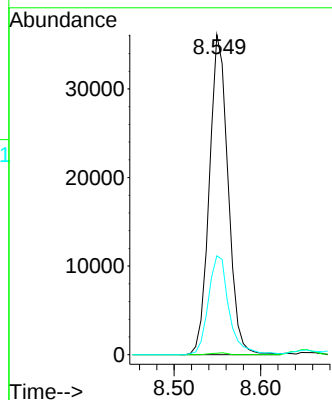
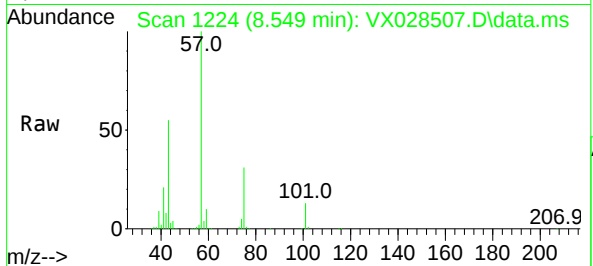




#54
 cis-1,3-Dichloropropene
 Concen: 7.437 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028507.D
 Acq: 03 May 2022 17:26

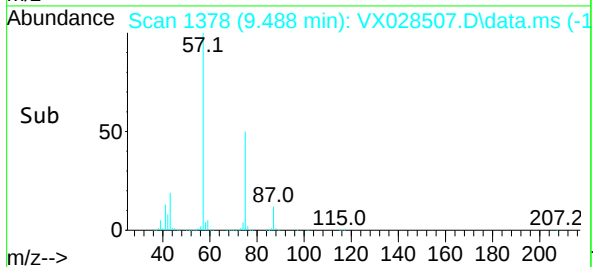
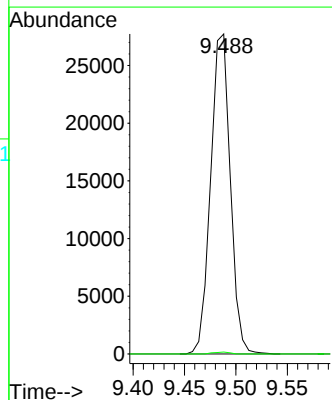
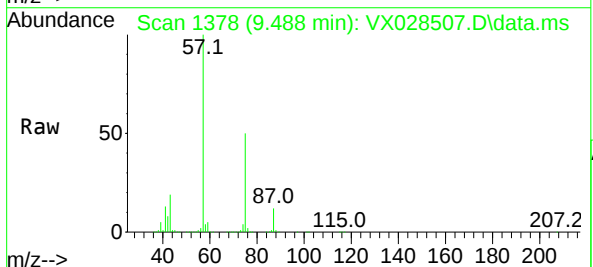
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144525ZHE#04

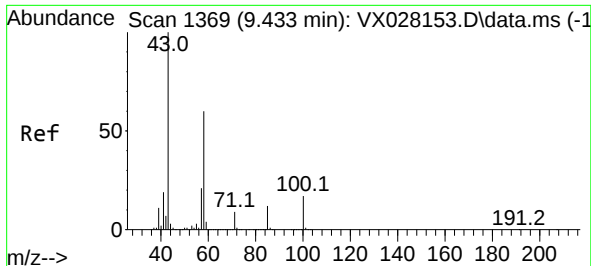
Tgt Ion: 75 Resp: 54228
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 30.9 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.672 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX028507.D
 Acq: 03 May 2022 17:26

Tgt Ion: 76 Resp: 36854
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#

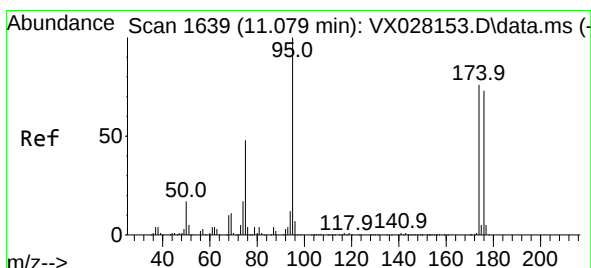
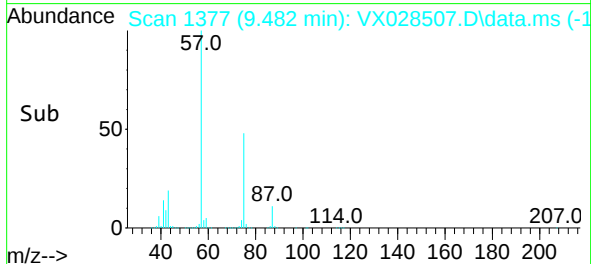
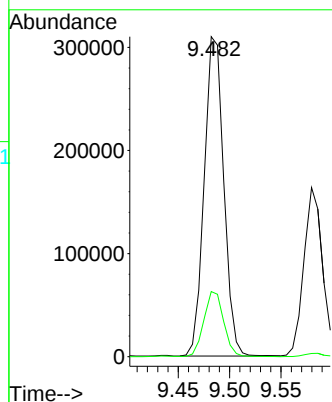
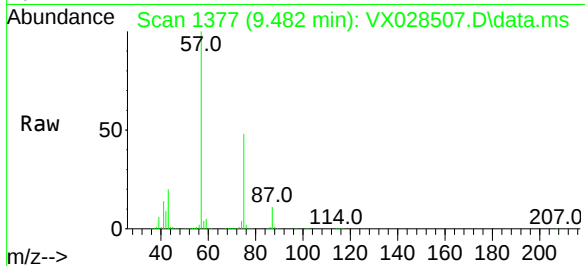




#59
2-Hexanone
Concen: 84.637 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

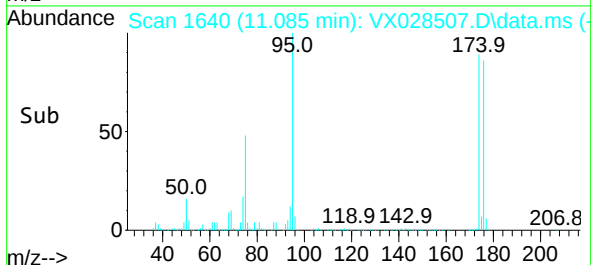
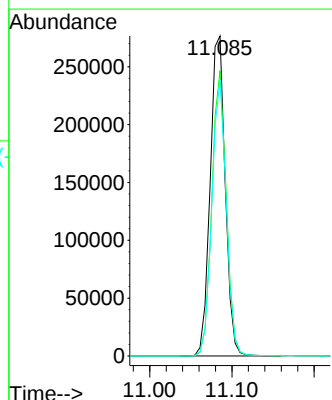
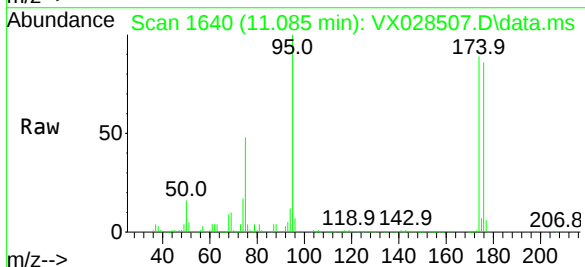
Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

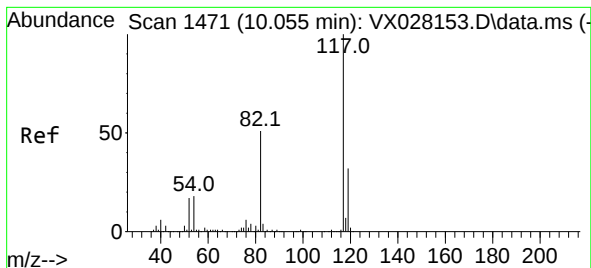
Tgt Ion: 43 Resp: 410904
Ion Ratio Lower Upper
43 100
58 20.6 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 52.791 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 95 Resp: 351511
Ion Ratio Lower Upper
95 100
174 85.7 0.0 163.0
176 83.0 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: VX028507.D

Acq: 03 May 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB144525ZHE#04

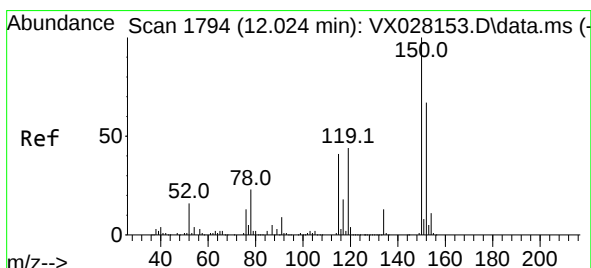
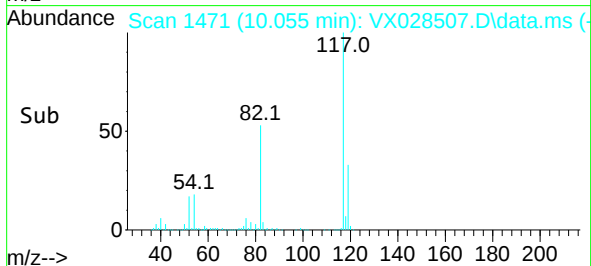
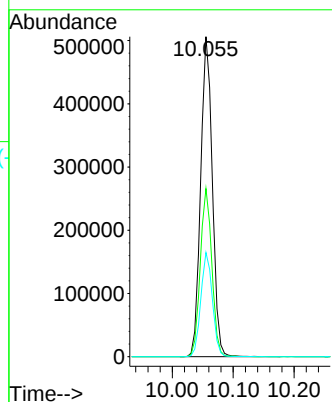
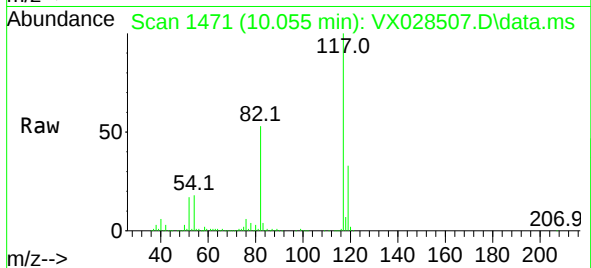
Tgt Ion:117 Resp: 674326

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

119 32.5 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: VX028507.D

Acq: 03 May 2022 17:26

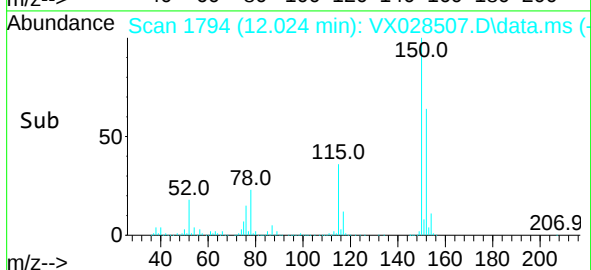
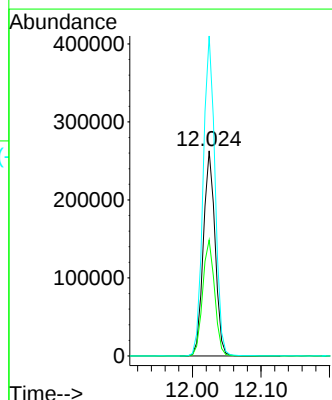
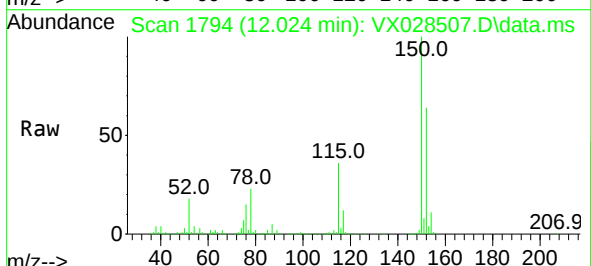
Tgt Ion:152 Resp: 314133

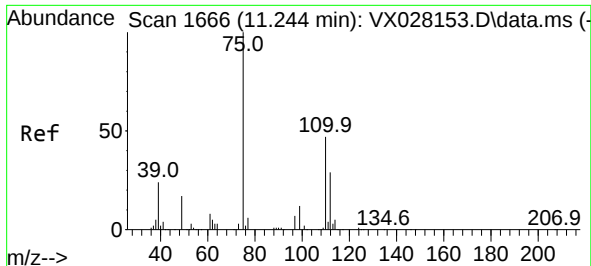
Ion Ratio Lower Upper

152 100

115 57.8 37.5 112.7

150 157.8 0.0 338.2

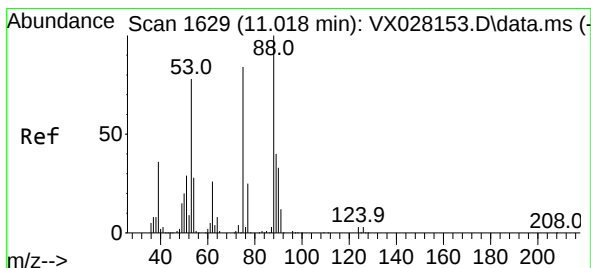
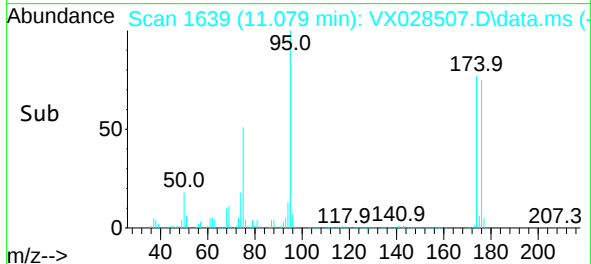
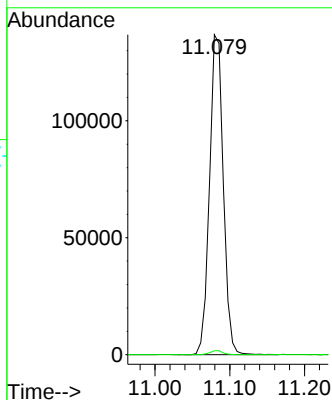
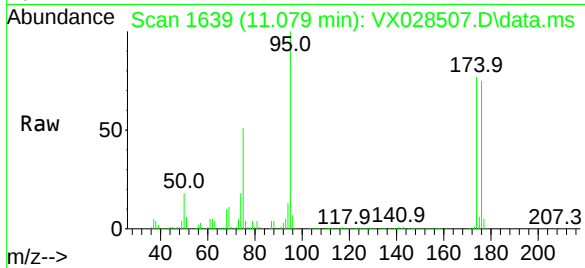




#76
1,2,3-Trichloropropane
Concen: 28.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB144525ZHE#04

Tgt Ion: 75 Resp: 175561
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028507.D
Acq: 03 May 2022 17:26

Tgt Ion: 75 Resp: 175561
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

