

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028184.D
 Acq On : 20 Apr 2022 01:08
 Operator : JC/MD
 Sample : PB144164ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#14

Quant Time: Apr 20 09:59:37 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

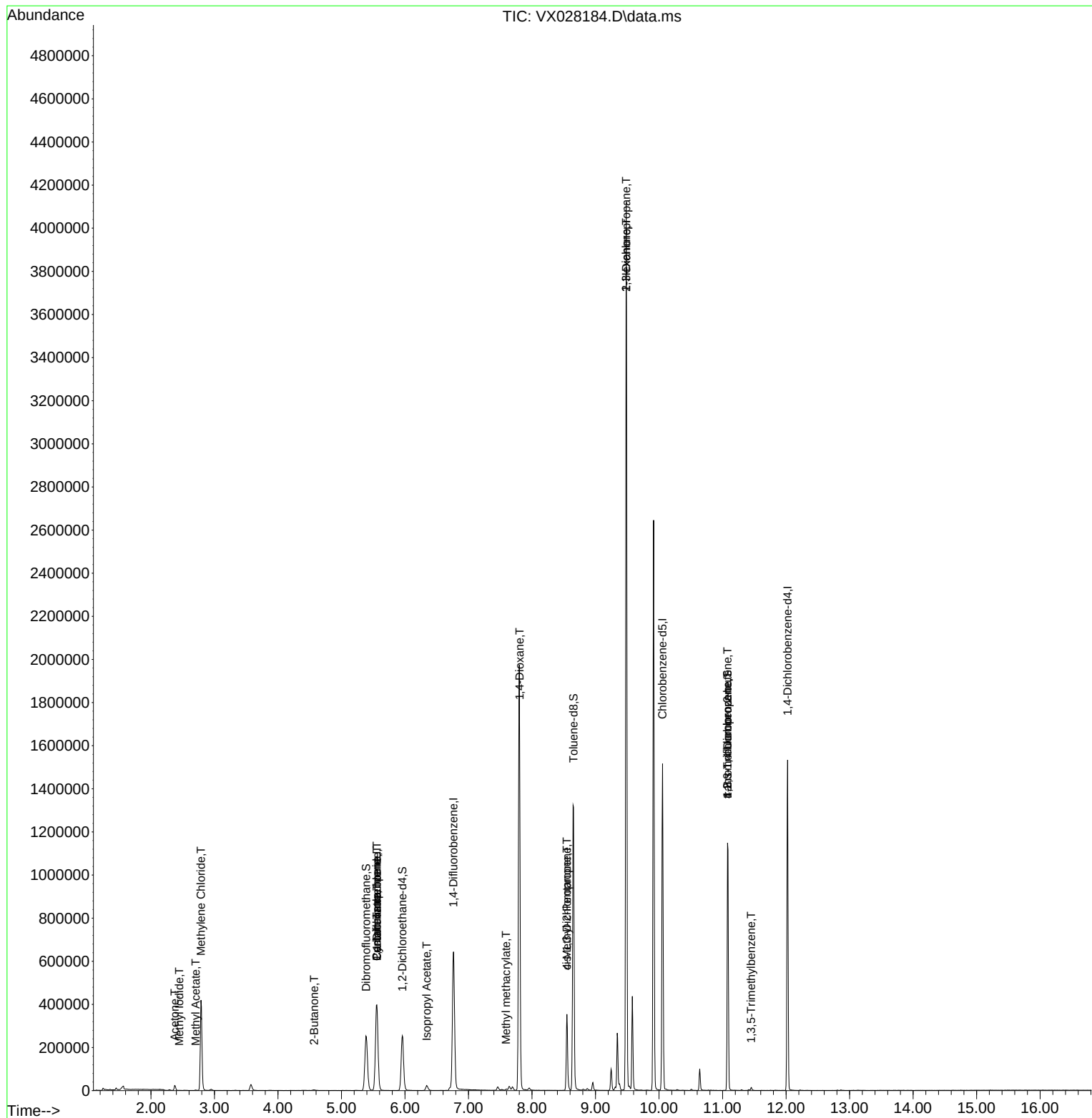
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	390602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	678555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	691045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	315735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	243838	47.877	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.760%
35) Dibromofluoromethane	5.385	113	219153	46.054	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.100%
50) Toluene-d8	8.653	98	818835	44.801	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	89.600%
62) 4-Bromofluorobenzene	11.079	95	313762	44.898	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	327	Below Cal	#	65
5) Bromomethane	1.605	94	829	Below Cal	#	53
6) Chloroethane	1.636	64	351	Below Cal	#	82
8) Diethyl Ether	2.130	74	188	Below Cal		96
10) Methyl Iodide	2.447	142	264	5.289	ug/l #	81
11) Tert butyl alcohol	2.953	59	3064	Below Cal	#	79
16) Acetone	2.374	43	23907	14.051	ug/l	96
18) Methyl Acetate	2.703	43	2459	0.543	ug/l	98
20) Methylene Chloride	2.788	84	195476	51.728	ug/l	99
25) 2-Butanone	4.568	43	4192	1.390	ug/l	95
31) Cyclohexane	5.556	56	8080	1.302	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	28210	4.545	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38394	5.479	ug/l #	14
43) Isopropyl Acetate	6.342	43	29985	2.925	ug/l	96
48) Methyl methacrylate	7.592	41	7358	1.563	ug/l #	7
49) 1,4-Dioxane	7.806	88	367	2.915	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	112349	17.080	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	60000	7.840	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	38575	4.660	ug/l #	43
59) 2-Hexanone	9.482	43	434267	85.227	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	155587	25.039	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6119	0.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	155587	74.408	ug/l #	15

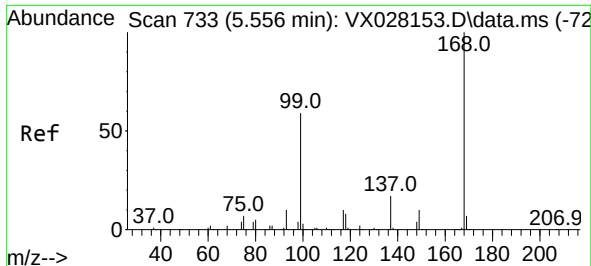
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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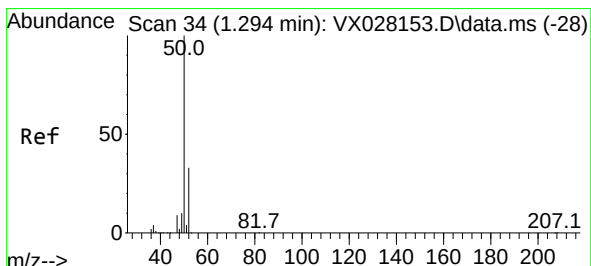
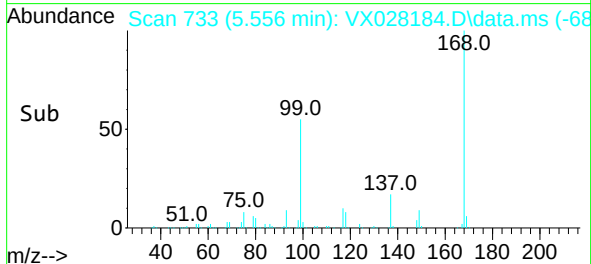
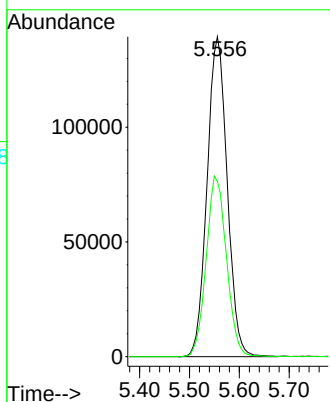
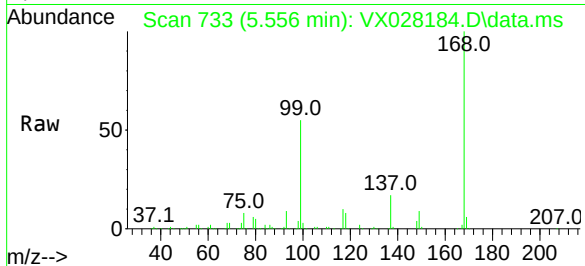




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

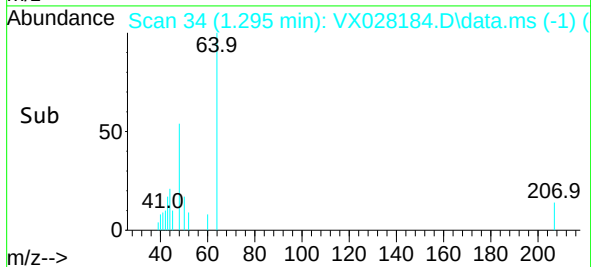
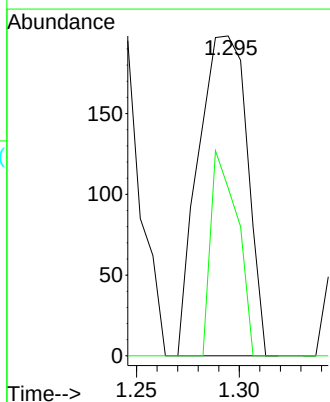
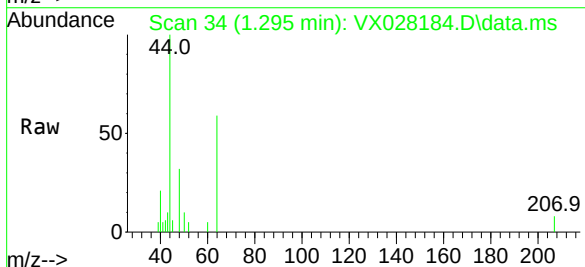
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

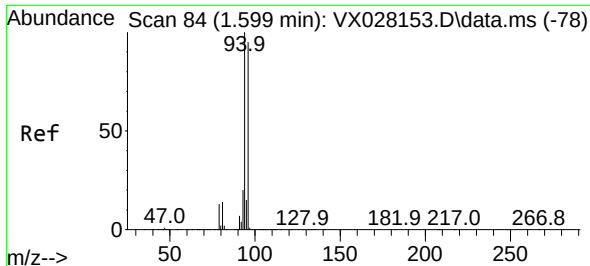
Tgt Ion:168 Resp: 390602
Ion Ratio Lower Upper
168 100
99 54.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 50 Resp: 327
Ion Ratio Lower Upper
50 100
52 52.5 26.4 39.6#

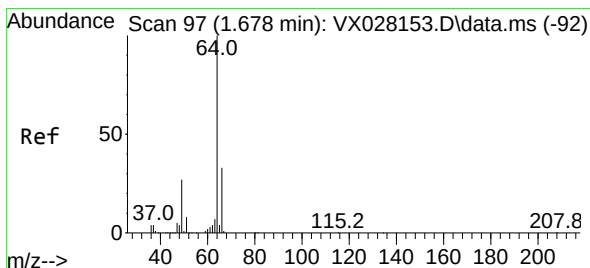
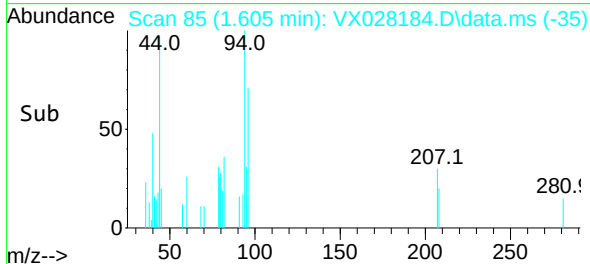
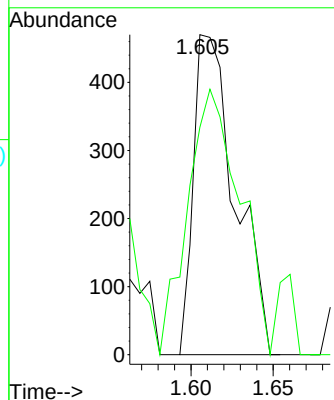
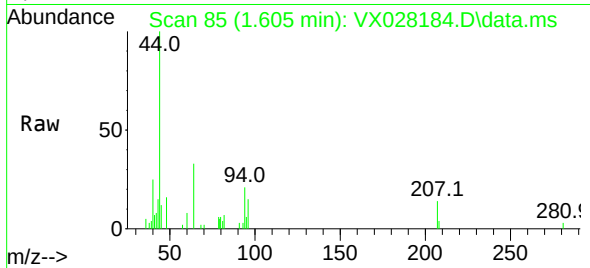




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

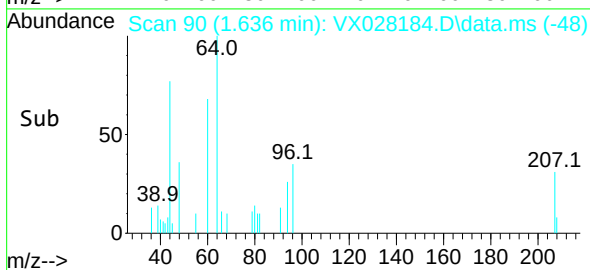
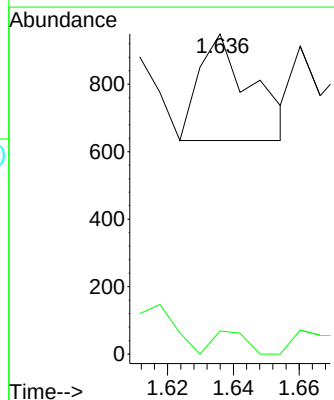
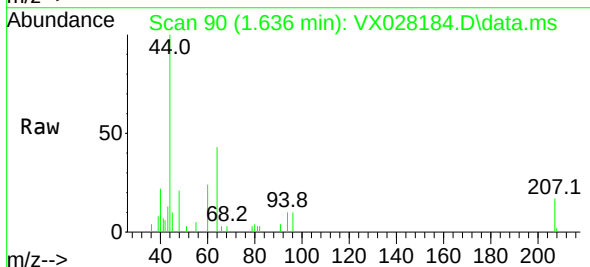
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

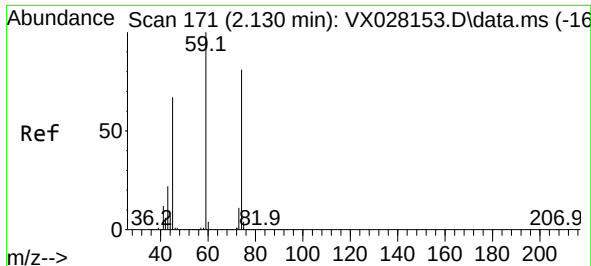
Tgt Ion: 94 Resp: 829
Ion Ratio Lower Upper
94 100
96 48.5 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.042 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 21.8 25.3 37.9#

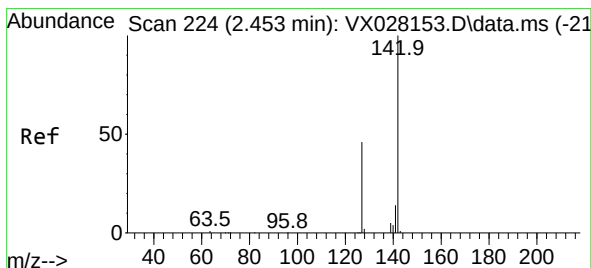
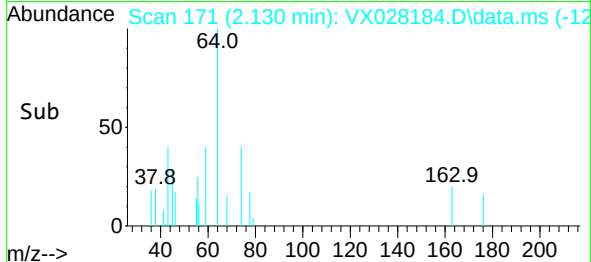
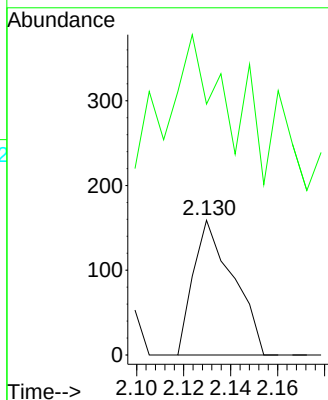
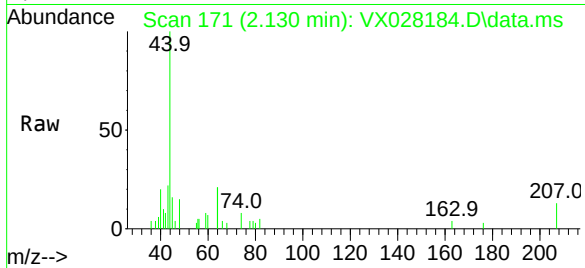




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

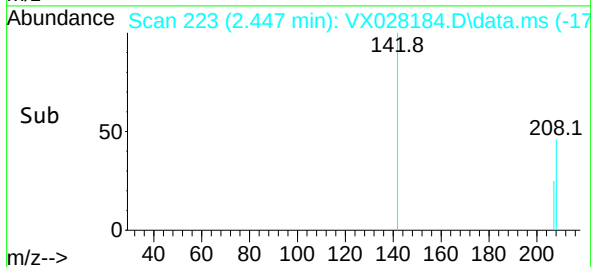
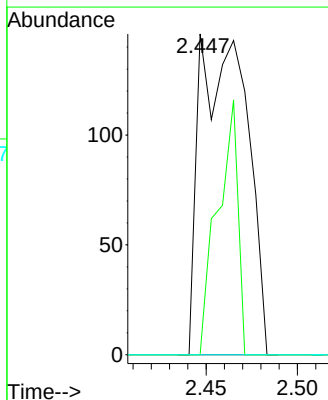
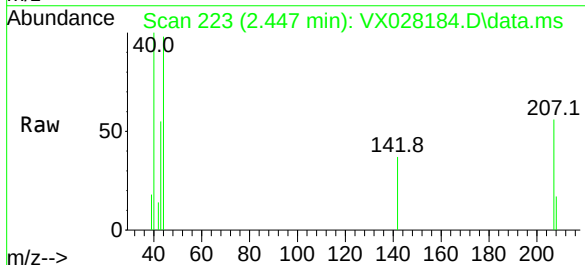
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

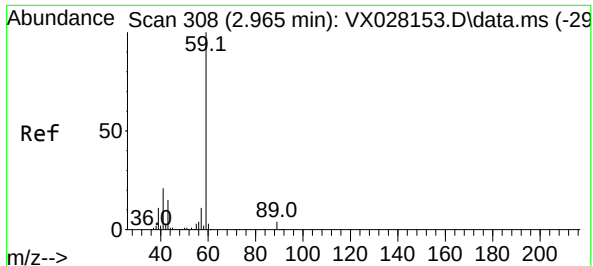
Tgt Ion: 74 Resp: 188
Ion Ratio Lower Upper
74 100
45 80.3 42.0 126.0



#10
Methyl Iodide
Concen: 5.289 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 142 Resp: 264
Ion Ratio Lower Upper
142 100
127 34.1 33.9 50.9
141 0.0 11.4 17.2#

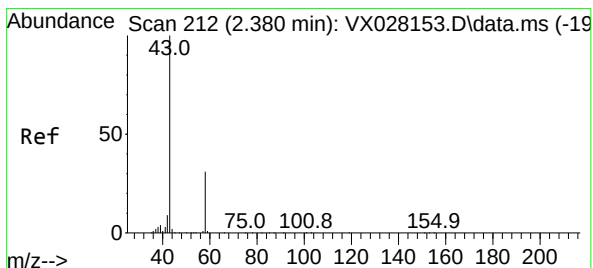
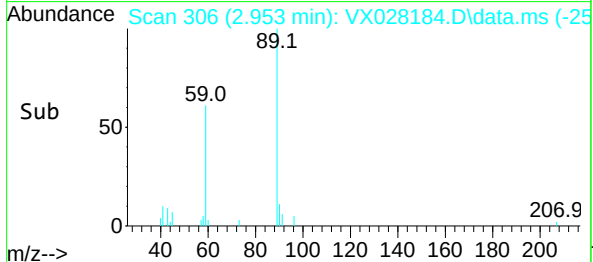
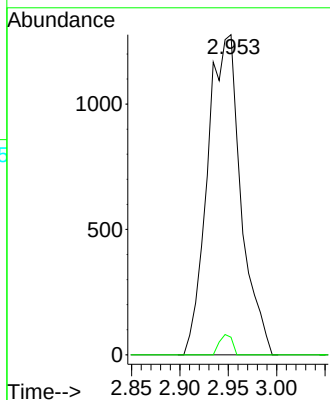
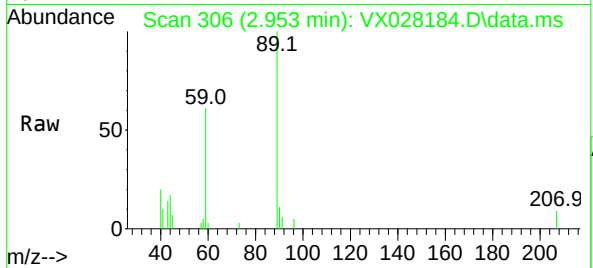




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

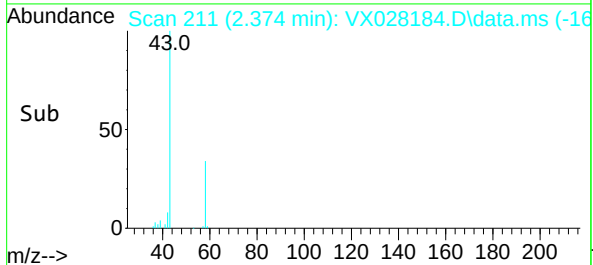
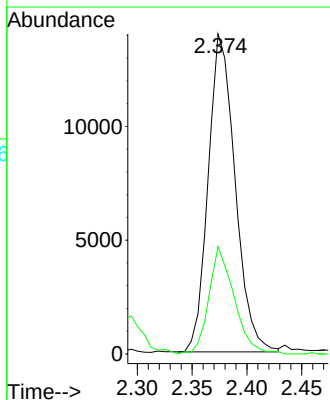
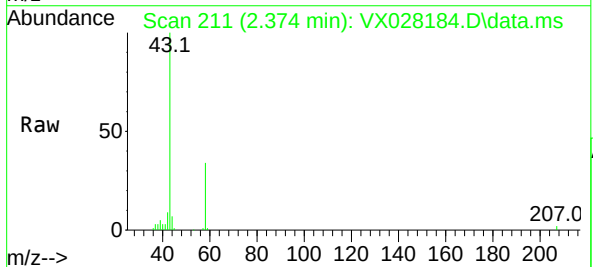
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

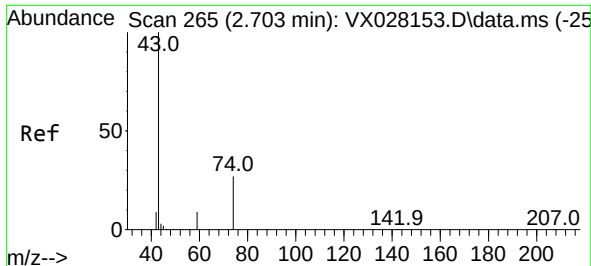
Tgt Ion: 59 Resp: 3064
Ion Ratio Lower Upper
59 100
57 2.4 8.3 12.5#



#16
Acetone
Concen: 14.051 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 43 Resp: 23907
Ion Ratio Lower Upper
43 100
58 33.8 28.8 43.2

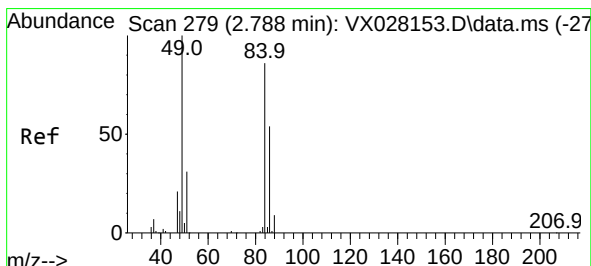
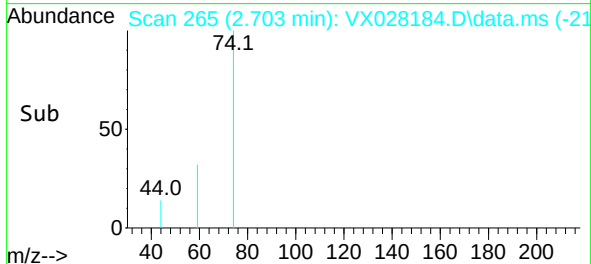
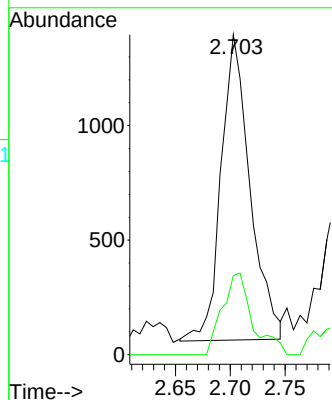
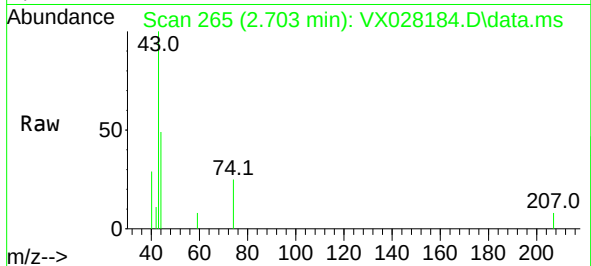




#18
Methyl Acetate
Concen: 0.543 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

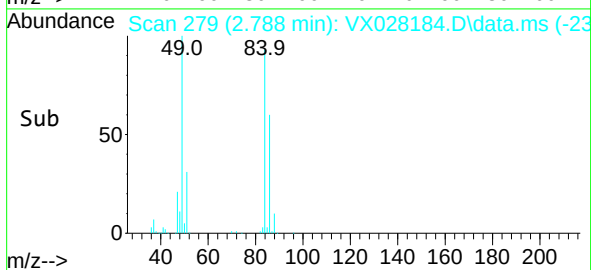
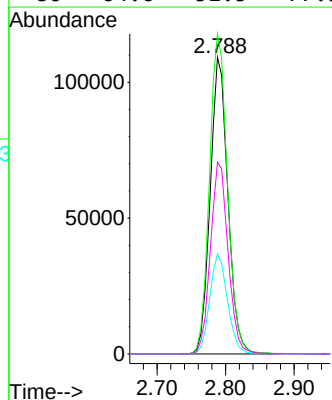
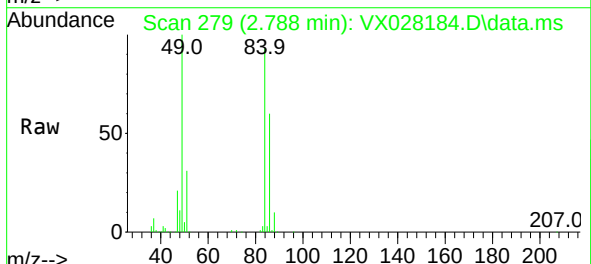
Instrument :
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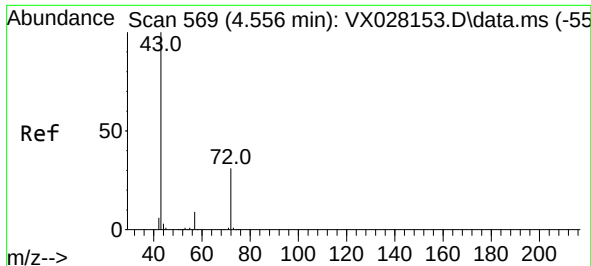
Tgt Ion: 43 Resp: 2459
Ion Ratio Lower Upper
43 100
74 27.7 22.8 34.2



#20
Methylene Chloride
Concen: 51.728 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 84 Resp: 195476
Ion Ratio Lower Upper
84 100
49 107.8 85.5 128.3
51 33.8 26.6 39.8
86 64.6 51.5 77.3

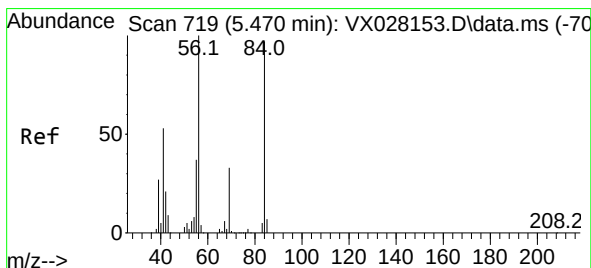
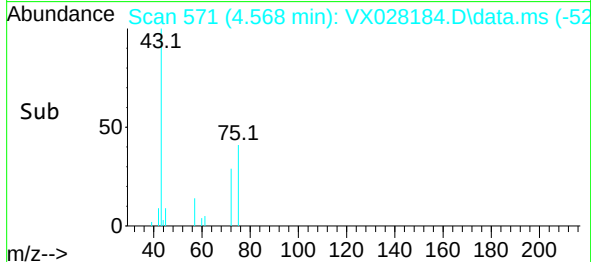
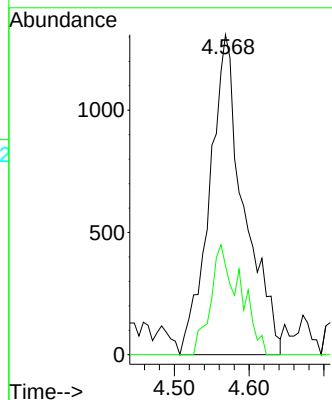
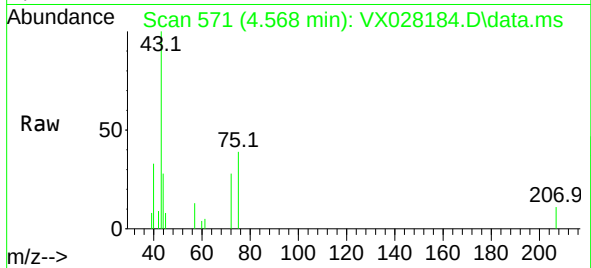




#25
2-Butanone
Concen: 1.390 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

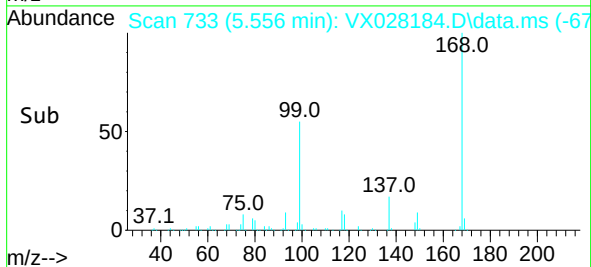
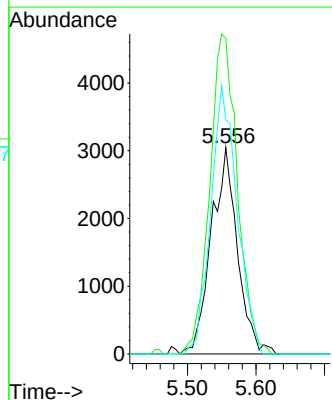
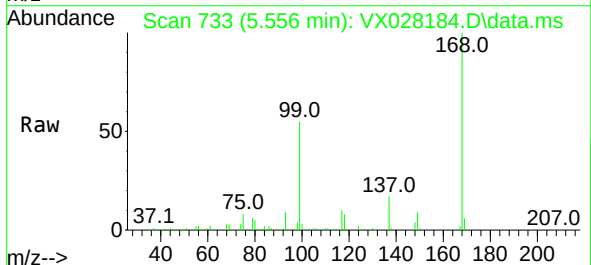
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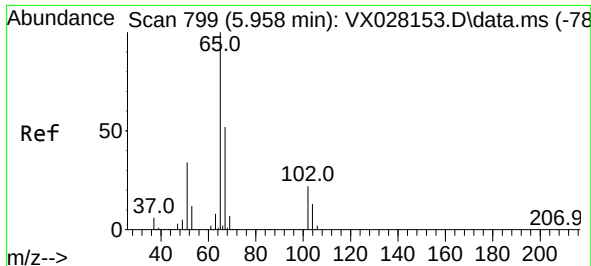
Tgt Ion: 43 Resp: 4192
Ion Ratio Lower Upper
43 100
72 27.9 24.4 36.6



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 56 Resp: 8080
Ion Ratio Lower Upper
56 100
69 153.1 26.7 40.1#
84 116.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.877 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028184.D

Acq: 20 Apr 2022 01:08

Instrument :

MSVOA_X

ClientSampleId :

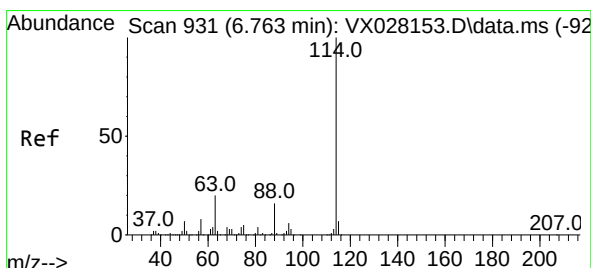
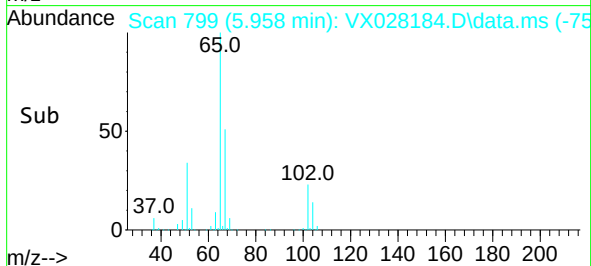
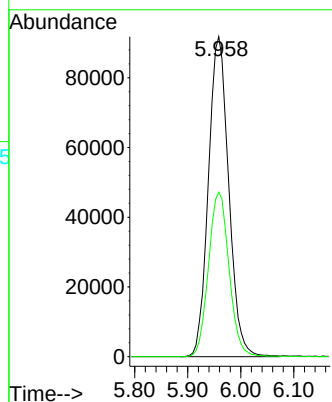
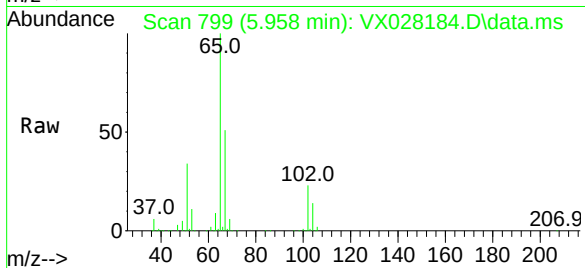
PB144164ZHE#14

Tgt Ion: 65 Resp: 243838

Ion Ratio Lower Upper

65 100

67 52.1 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: VX028184.D

Acq: 20 Apr 2022 01:08

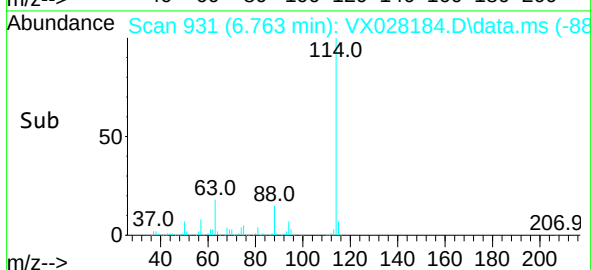
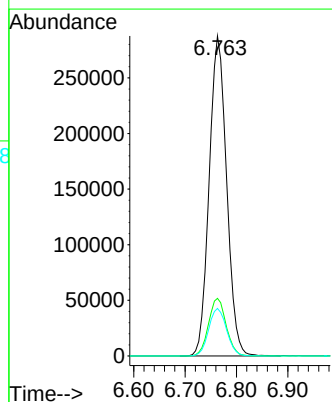
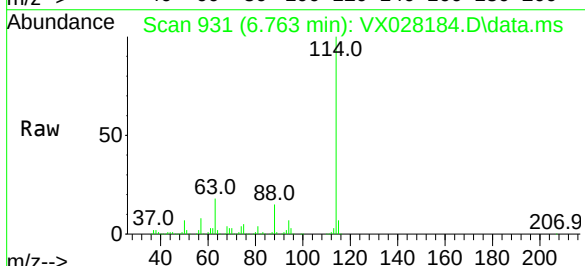
Tgt Ion: 114 Resp: 678555

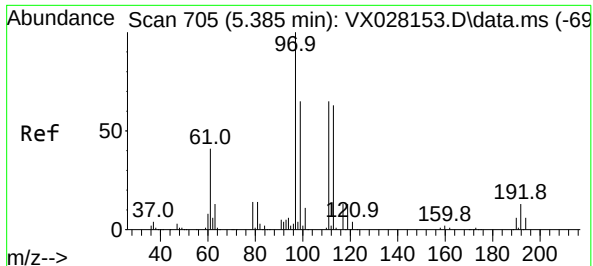
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

88 14.9 0.0 32.4

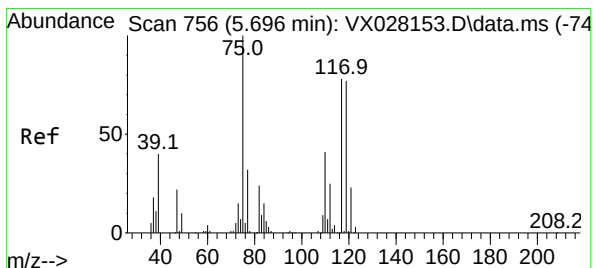
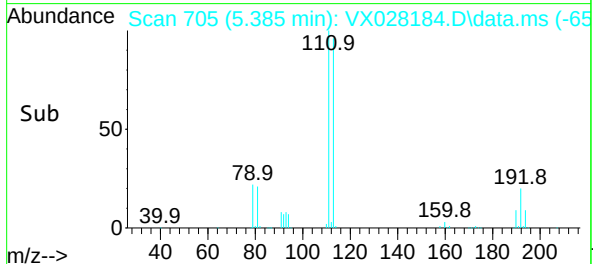
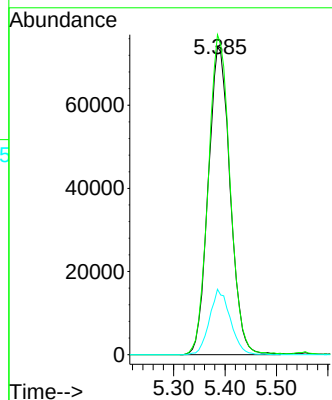
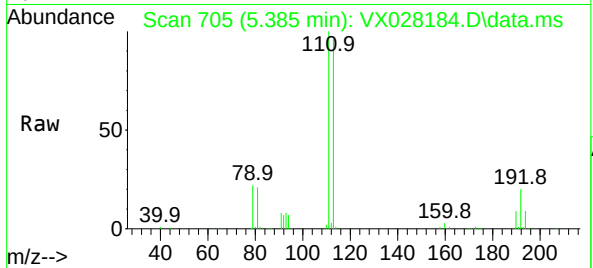




#35
Dibromofluoromethane
Concen: 46.054 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

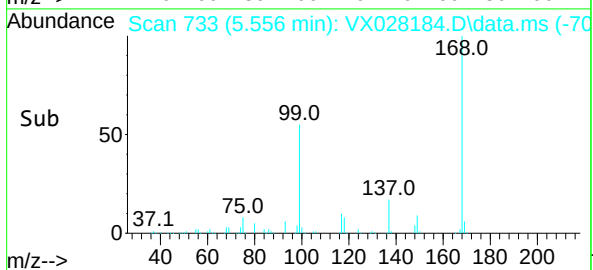
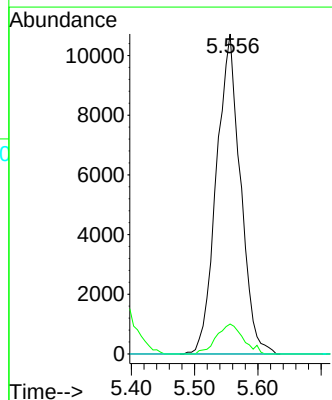
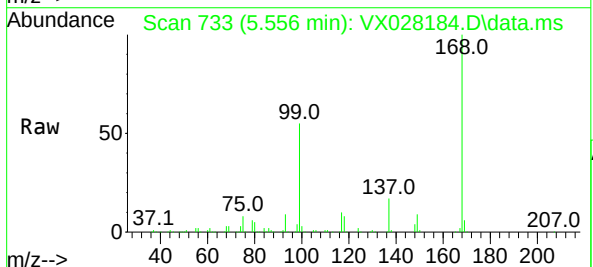
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

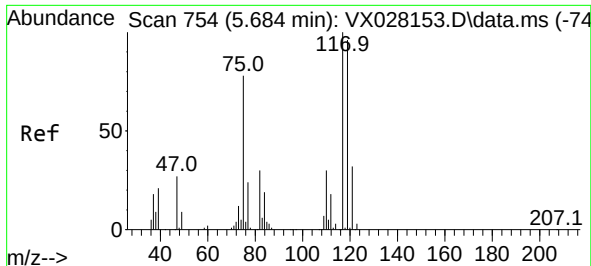
Tgt Ion:113 Resp: 219153
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

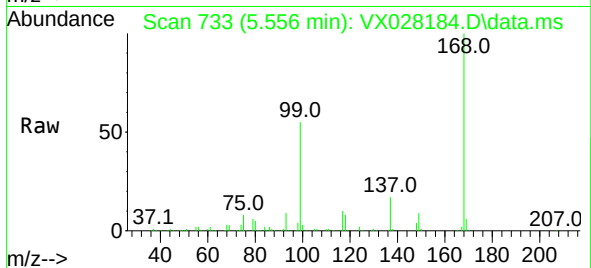
Tgt Ion: 75 Resp: 28210
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



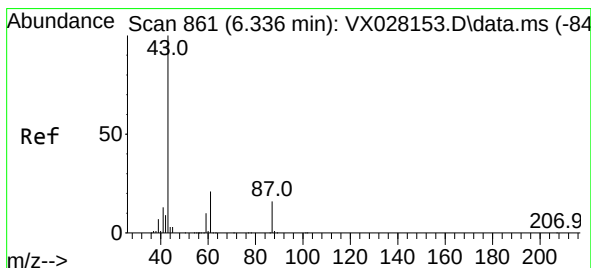
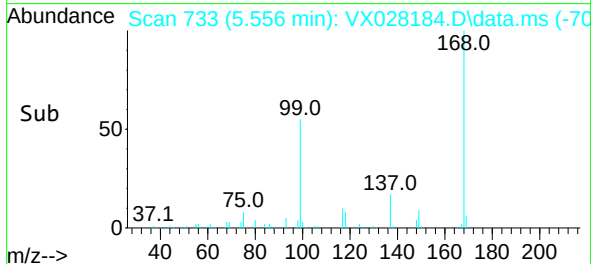
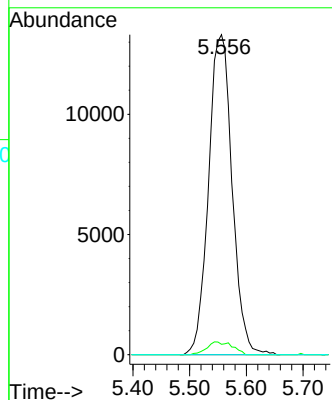


#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

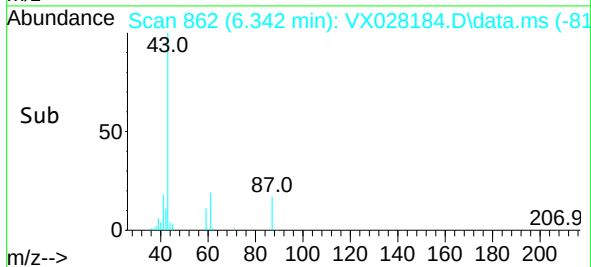
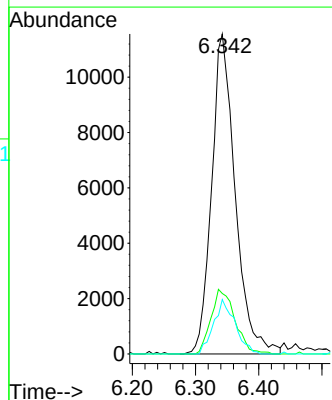
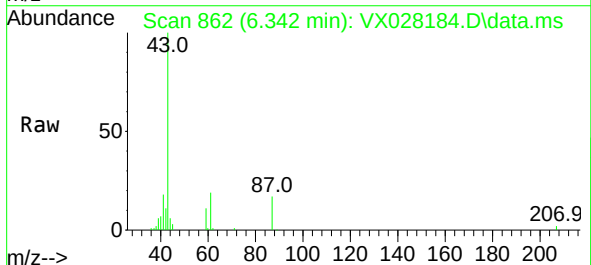


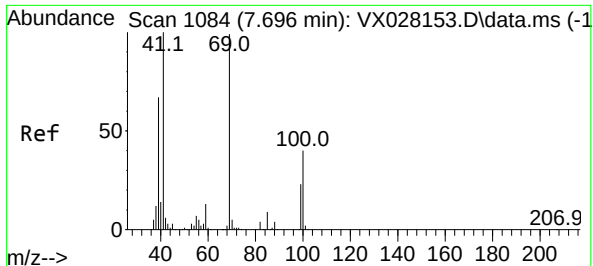
Tgt Ion:117 Resp: 38394
Ion Ratio Lower Upper
117 100
119 3.2 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.925 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

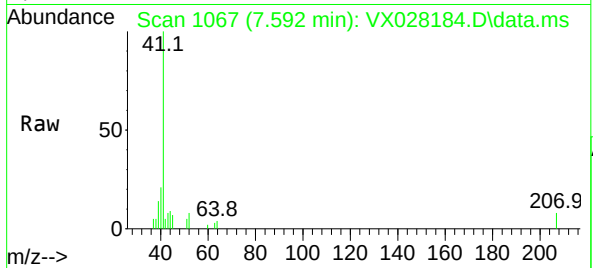
Tgt Ion: 43 Resp: 29985
Ion Ratio Lower Upper
43 100
61 20.5 18.5 27.7
87 15.5 13.0 19.6



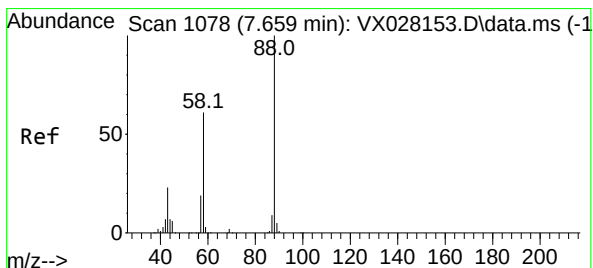
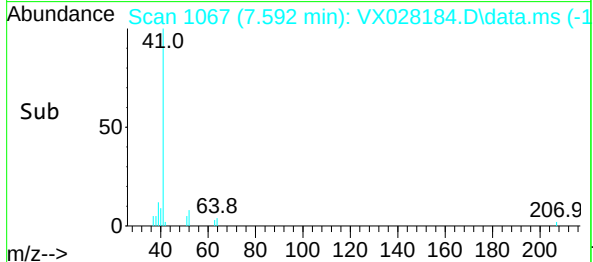
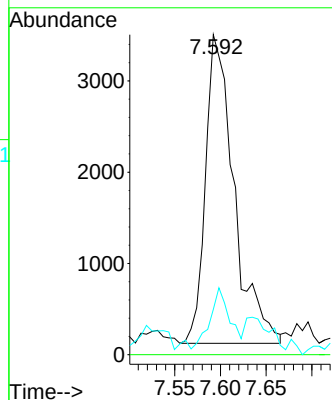


#48
Methyl methacrylate
Concen: 1.563 ug/l
RT: 7.592 min Scan# 1102
Delta R.T. -0.104 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

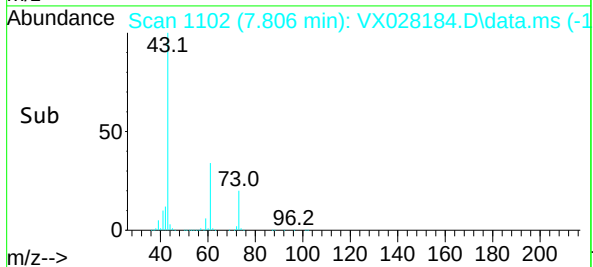
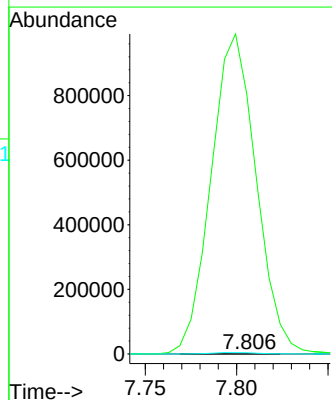
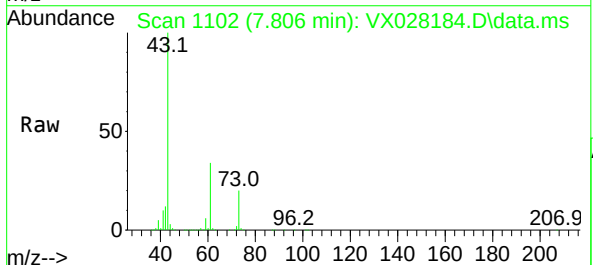


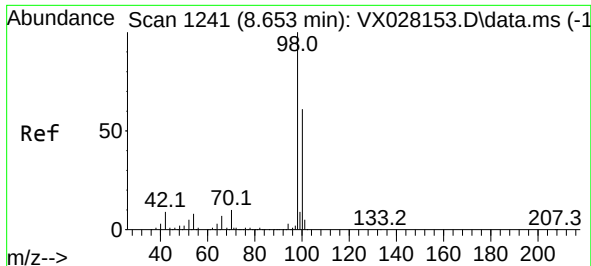
Tgt Ion: 41 Resp: 7358
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.915 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.147 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 88 Resp: 367
Ion Ratio Lower Upper
88 100
43 466175.7 21.9 32.9#
58 2065.1 53.7 80.5#

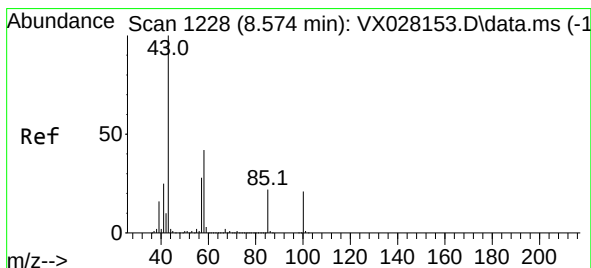
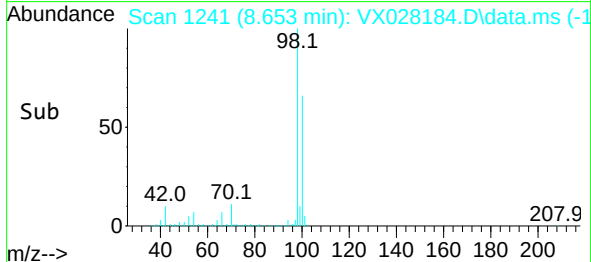
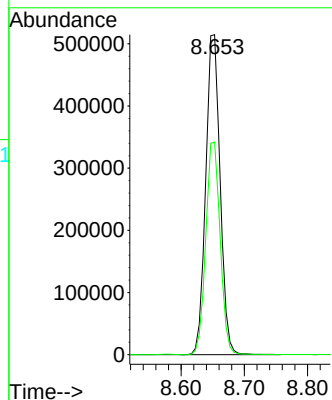
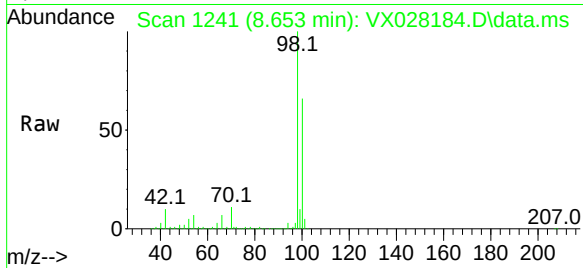




#50
Toluene-d8
Concen: 44.801 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

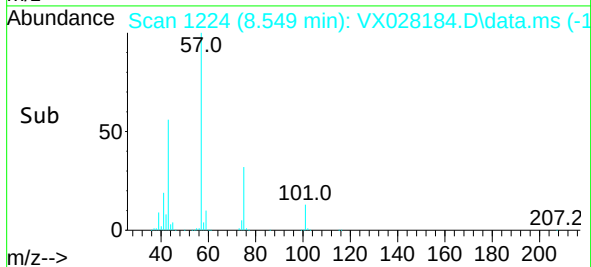
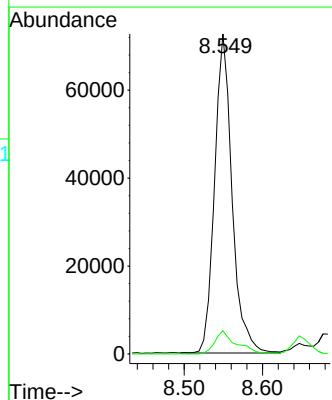
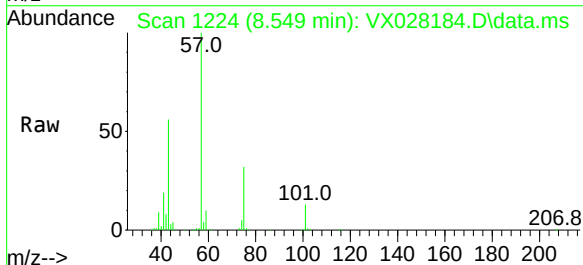
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

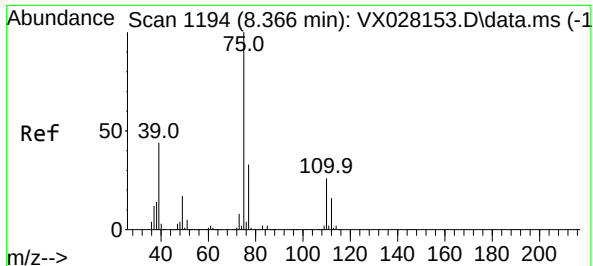
Tgt Ion: 98 Resp: 818835
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.080 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 43 Resp: 112349
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

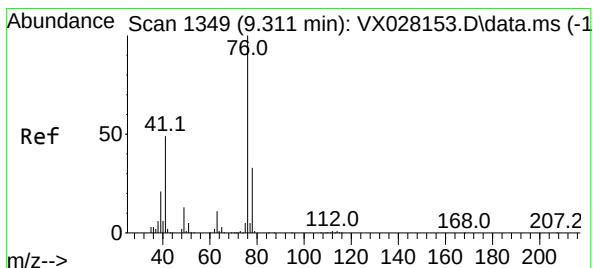
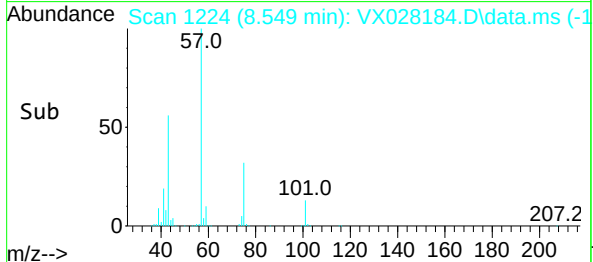
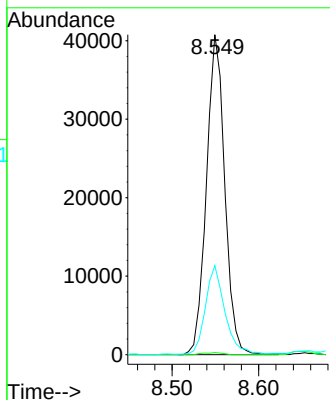
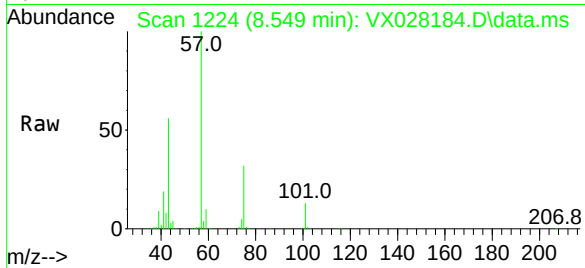




#54
 cis-1,3-Dichloropropene
 Concen: 7.840 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028184.D
 Acq: 20 Apr 2022 01:08

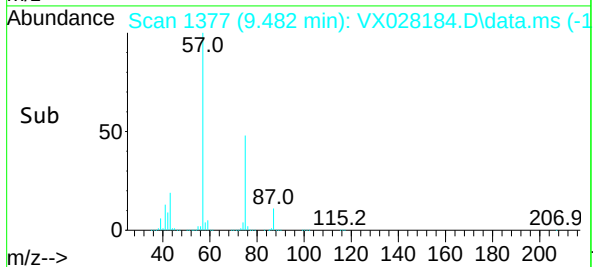
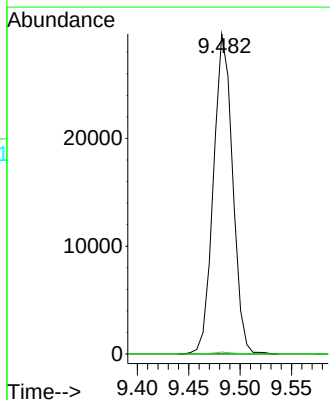
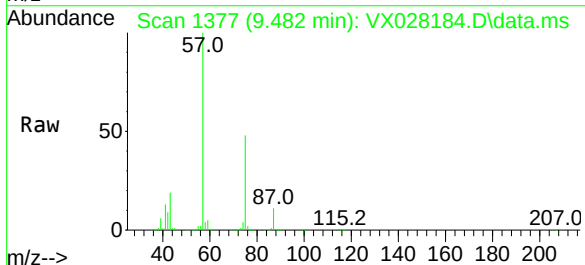
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#14

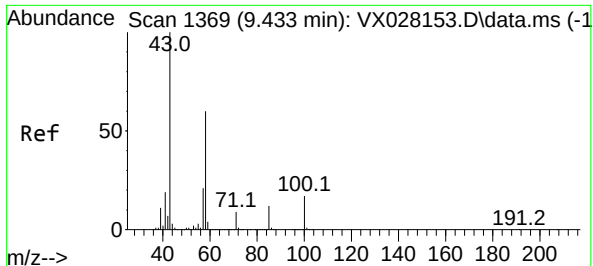
Tgt Ion: 75 Resp: 60000
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 27.7 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.660 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028184.D
 Acq: 20 Apr 2022 01:08

Tgt Ion: 76 Resp: 38575
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#

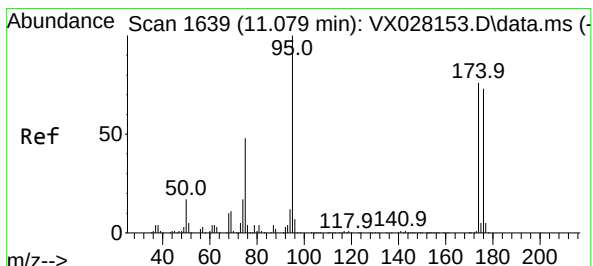
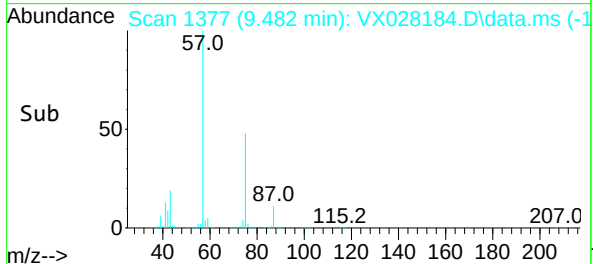
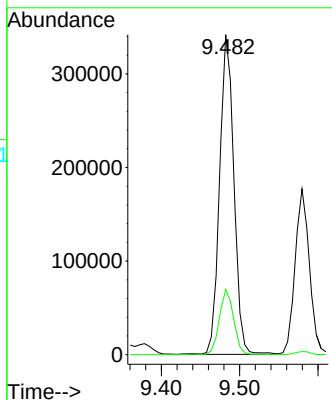
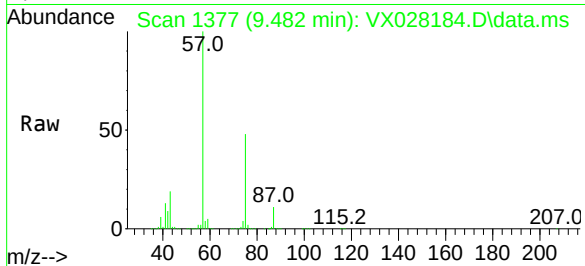




#59
2-Hexanone
Concen: 85.227 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

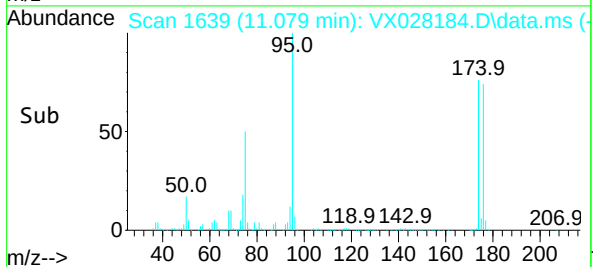
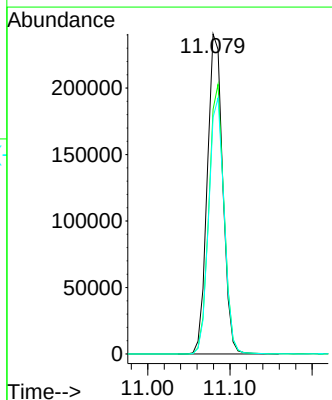
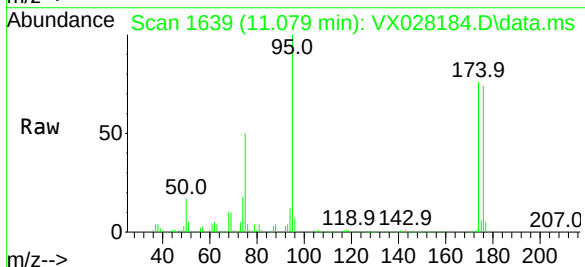
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

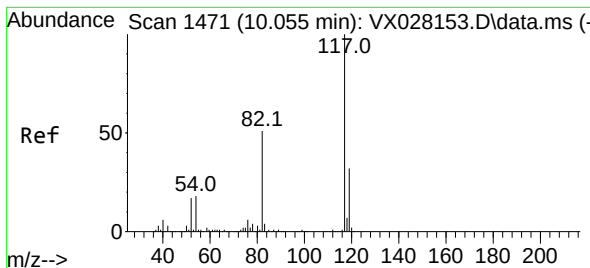
Tgt Ion: 43 Resp: 434267
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 44.898 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

Tgt Ion: 95 Resp: 313762
Ion Ratio Lower Upper
95 100
174 82.5 0.0 163.0
176 79.9 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: VX028184.D

Acq: 20 Apr 2022 01:08

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#14

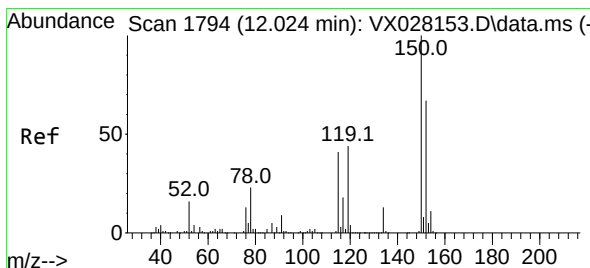
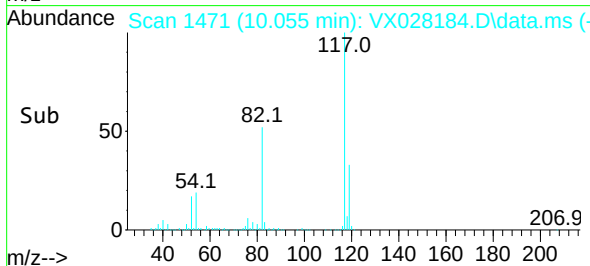
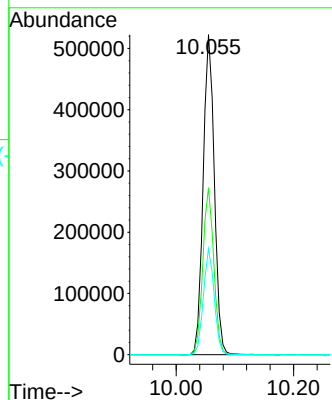
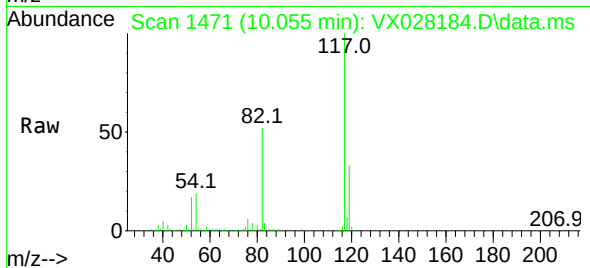
Tgt Ion:117 Resp: 691045

Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.8

119 33.1 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: VX028184.D

Acq: 20 Apr 2022 01:08

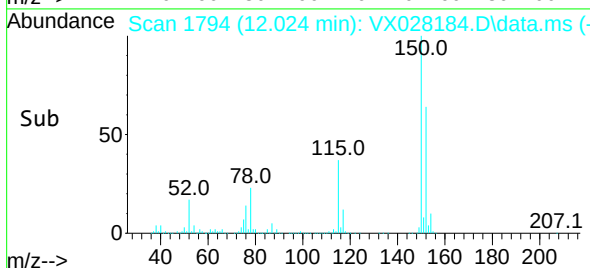
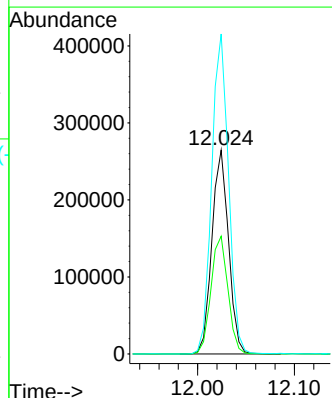
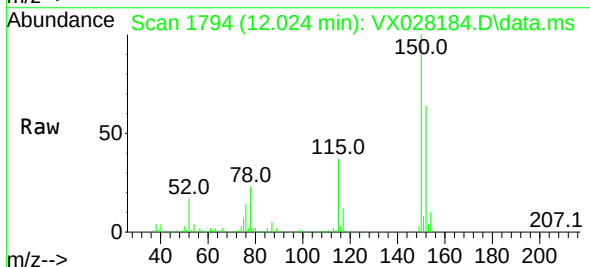
Tgt Ion:152 Resp: 315735

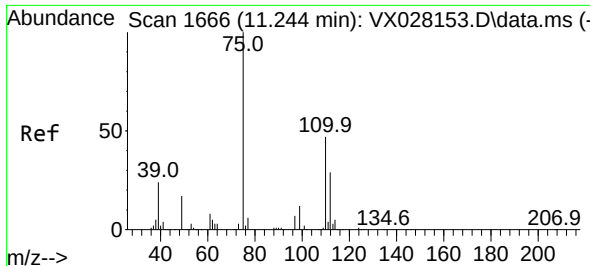
Ion Ratio Lower Upper

152 100

115 58.9 37.5 112.7

150 158.5 0.0 338.2

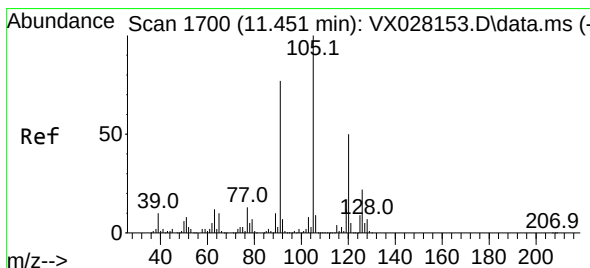
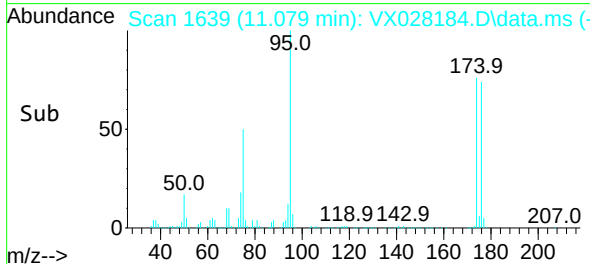
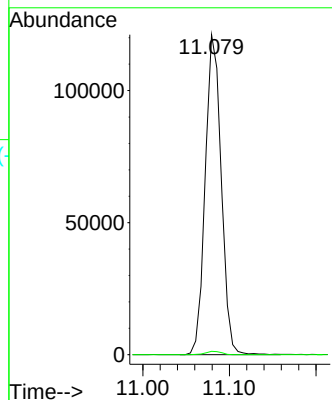
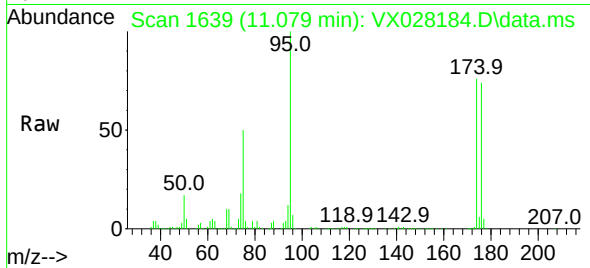




#76
1,2,3-Trichloropropane
Concen: 25.039 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

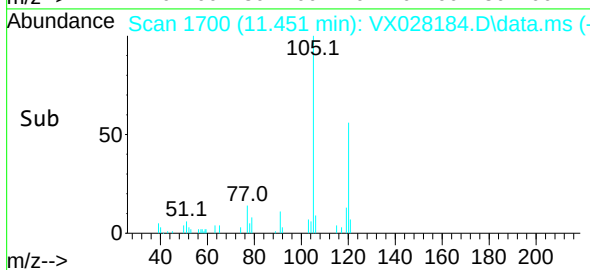
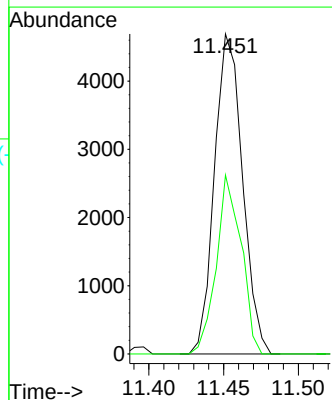
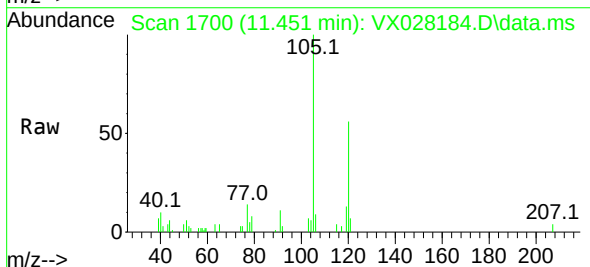
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#14

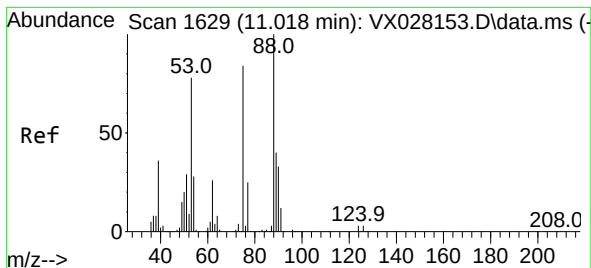
Tgt Ion: 75 Resp: 155587
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.332 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028184.D
Acq: 20 Apr 2022 01:08

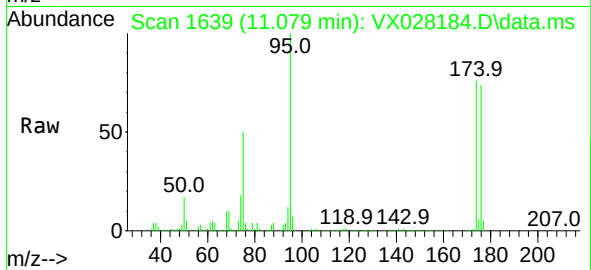
Tgt Ion: 105 Resp: 6119
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.408 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028184.D
 Acq: 20 Apr 2022 01:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#14



Tgt Ion: 75 Resp: 155587
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

