

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028451.D
 Acq On : 30 Apr 2022 02:40
 Operator : JC/MD
 Sample : PB144452ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#06

Quant Time: Apr 30 09:22:30 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)

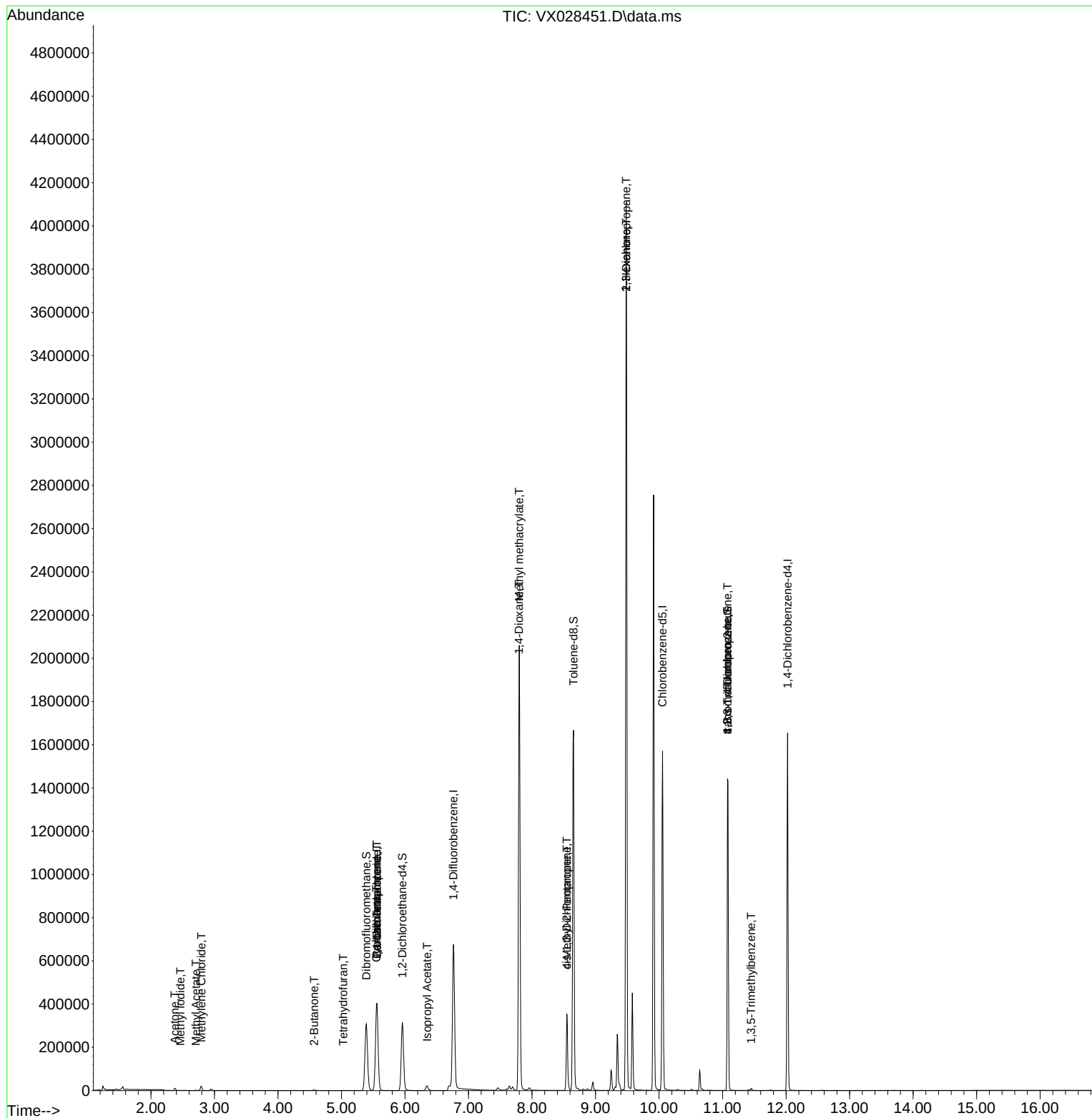
Internal Standards						
1) Pentafluorobenzene	5.556	168	391031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	695263	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	726976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	336286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	296291	58.112	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 116.220%	
35) Dibromofluoromethane	5.391	113	265945	54.544	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.080%	
50) Toluene-d8	8.653	98	1026389	54.808	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 109.620%	
62) 4-Bromofluorobenzene	11.079	95	376645	52.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	450	Below Cal	#	78
5) Bromomethane	1.618	94	1065	Below Cal		95
6) Chloroethane	1.672	64	757	Below Cal		91
8) Diethyl Ether	2.154	74	50	Below Cal	#	1
10) Methyl Iodide	2.465	142	482	5.334	ug/l #	91
11) Tert butyl alcohol	2.947	59	3821	Below Cal	#	72
16) Acetone	2.374	43	10833	5.592	ug/l	99
18) Methyl Acetate	2.709	43	1962	0.433	ug/l	94
20) Methylene Chloride	2.794	84	9342	2.469	ug/l	91
25) 2-Butanone	4.568	43	3246	1.075	ug/l	99
29) Tetrahydrofuran	5.026	42	448	0.228	ug/l #	39
31) Cyclohexane	5.550	56	8177	1.316	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28803	4.529	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39167	5.455	ug/l #	16
43) Isopropyl Acetate	6.348	43	29078	2.769	ug/l	97
48) Methyl methacrylate	7.799	41	171419	35.549	ug/l #	34
49) 1,4-Dioxane	7.793	88	312	2.419	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	111307	16.515	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	59587	7.599	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38425	4.530	ug/l #	43
59) 2-Hexanone	9.482	43	439903	84.259	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	189429	28.622	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4311	0.220	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	189429	85.057	ug/l #	15

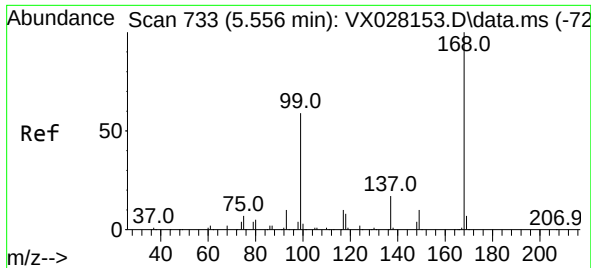
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
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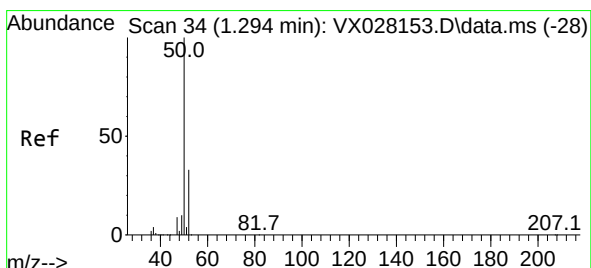
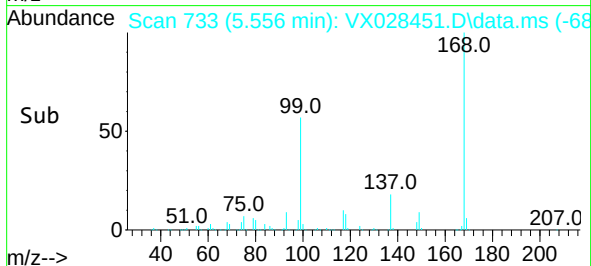
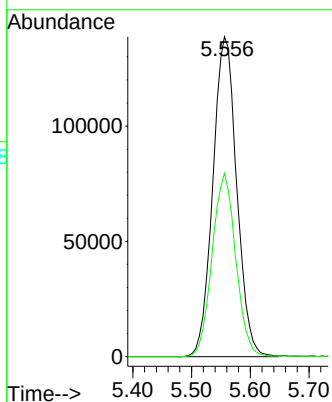
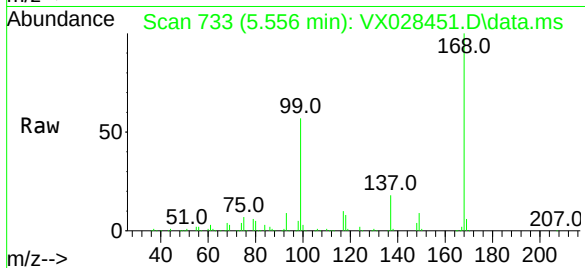




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

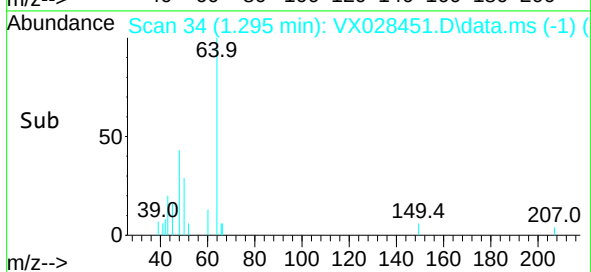
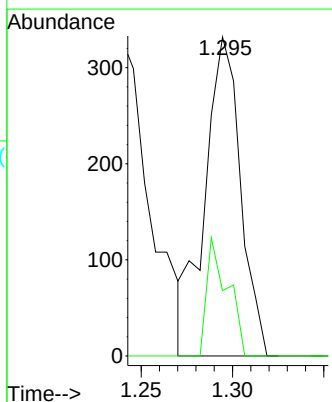
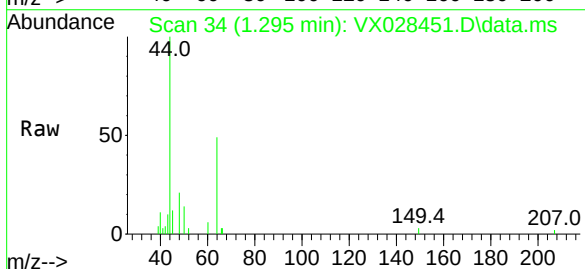
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

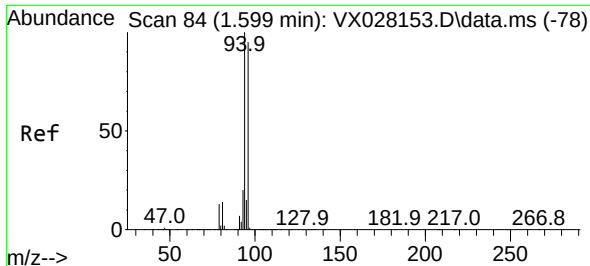
Tgt Ion:168 Resp: 391031
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 20.5 26.4 39.6#

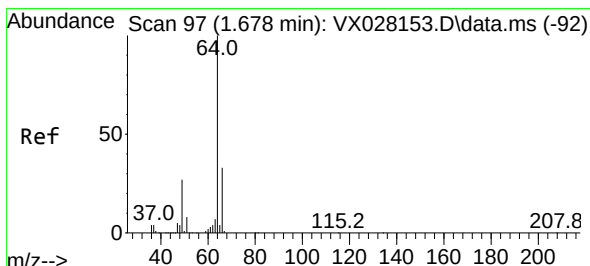
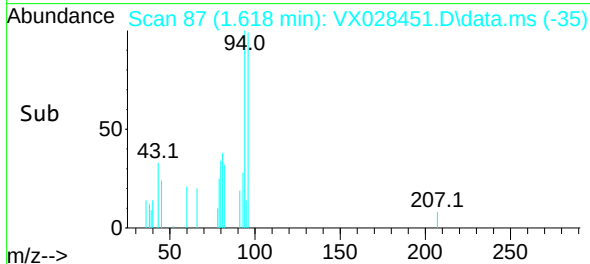
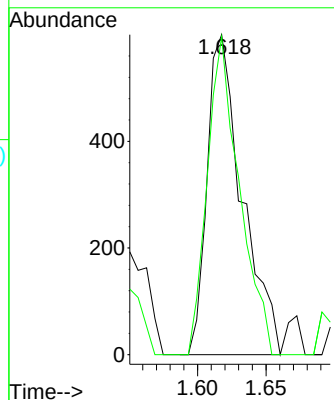
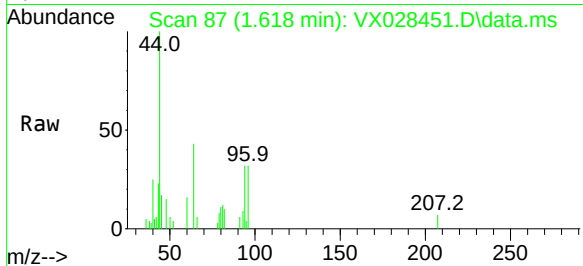




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

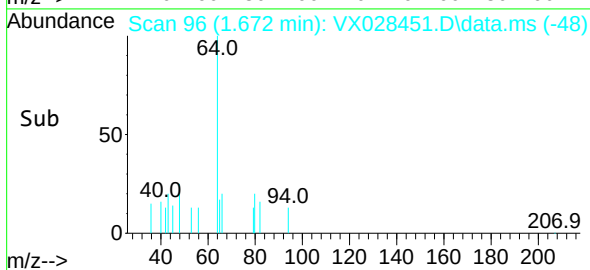
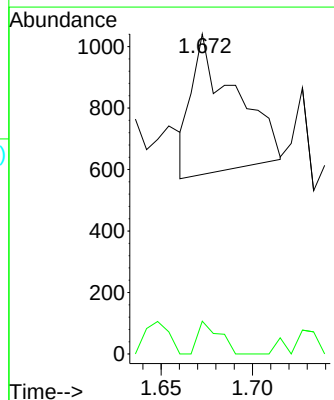
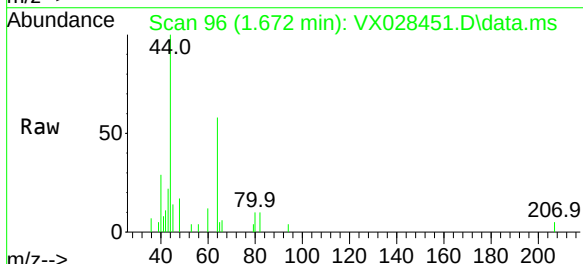
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

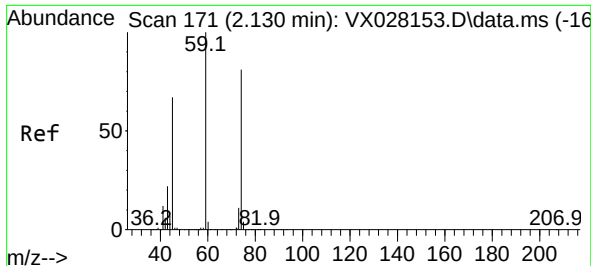
Tgt Ion: 94 Resp: 1065
Ion Ratio Lower Upper
94 100
96 99.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 64 Resp: 757
Ion Ratio Lower Upper
64 100
66 26.8 25.3 37.9

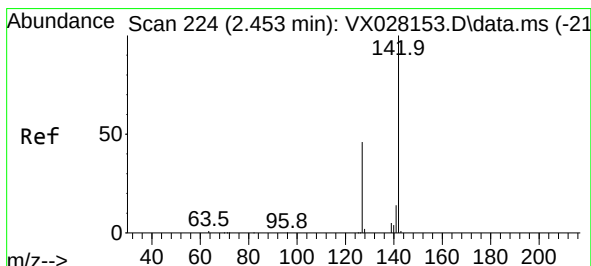
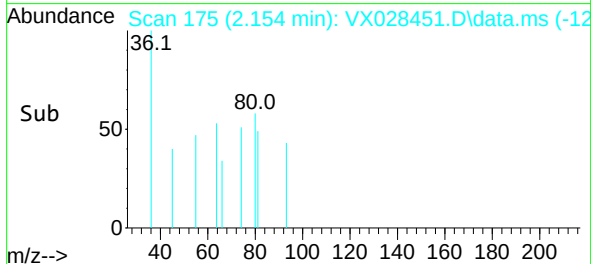
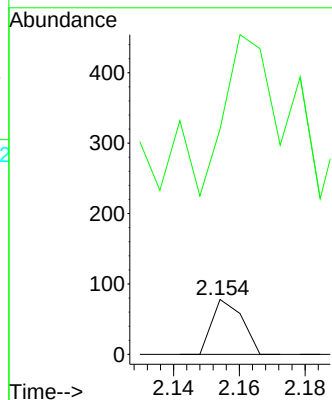
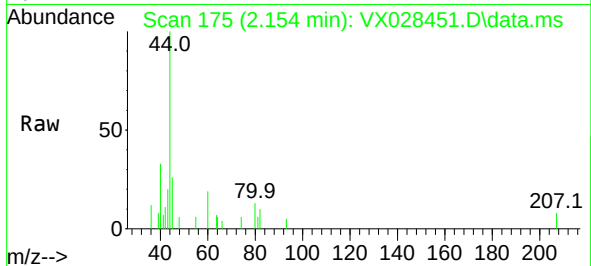




#8
Diethyl Ether
Concen: Below Cal
RT: 2.154 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

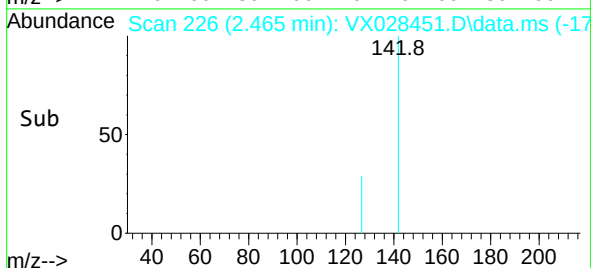
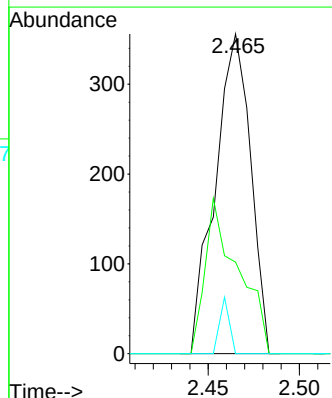
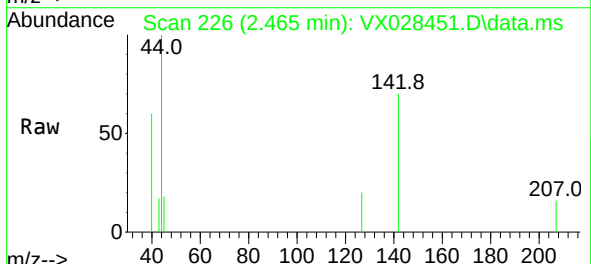
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

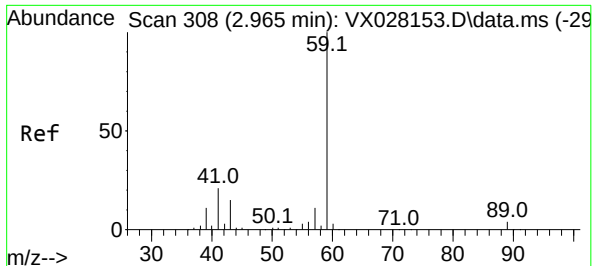
Tgt Ion: 74 Resp: 50
Ion Ratio Lower Upper
74 100
45 580.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.334 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 142 Resp: 482
Ion Ratio Lower Upper
142 100
127 45.2 33.9 50.9
141 4.8 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: VX028451.D

Acq: 30 Apr 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

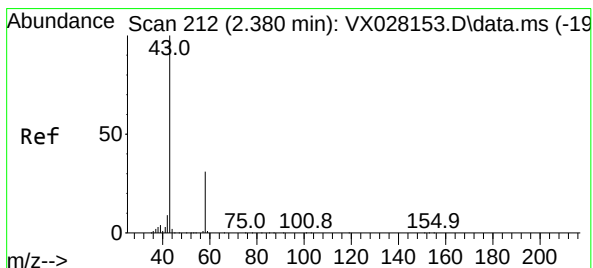
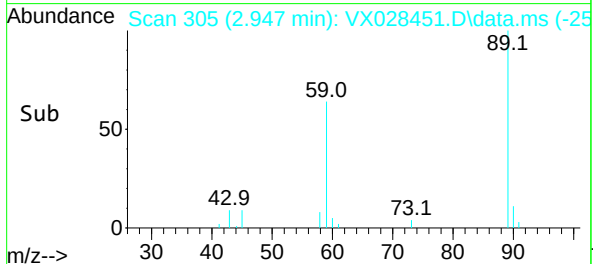
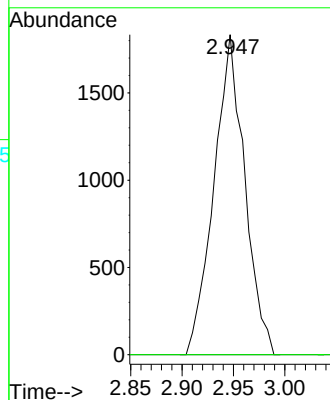
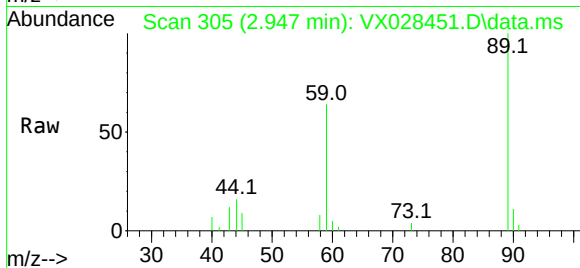
PB144452ZHE#06

Tgt Ion: 59 Resp: 3821

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 5.592 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX028451.D

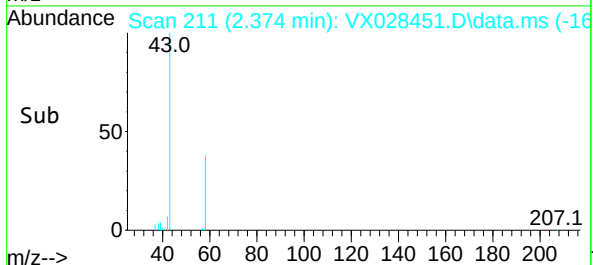
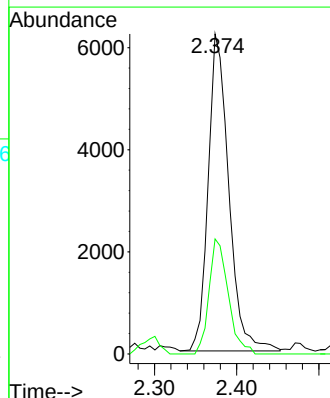
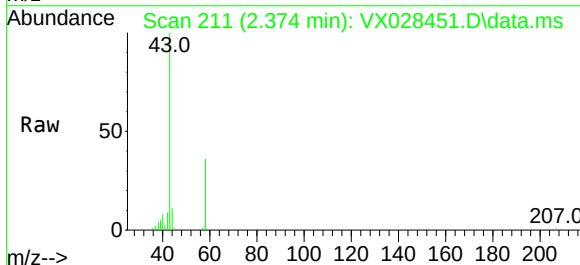
Acq: 30 Apr 2022 02:40

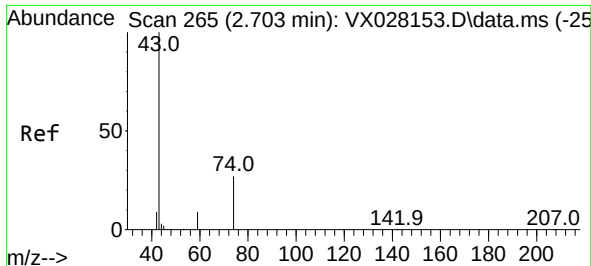
Tgt Ion: 43 Resp: 10833

Ion Ratio Lower Upper

43 100

58 36.3 28.8 43.2

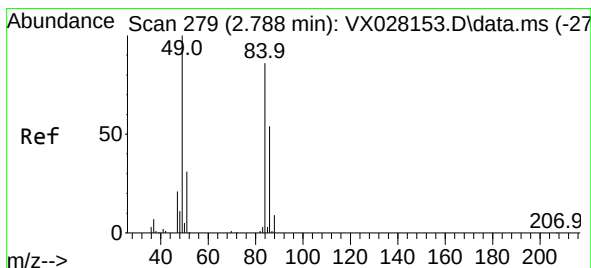
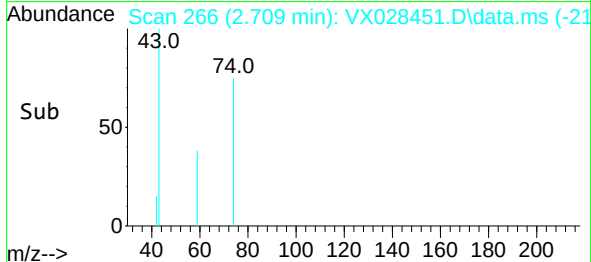
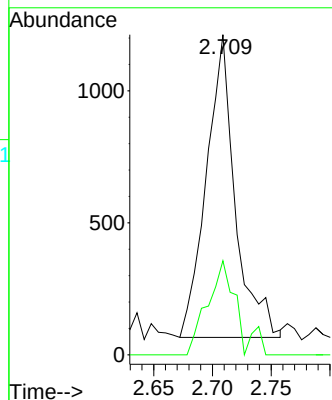
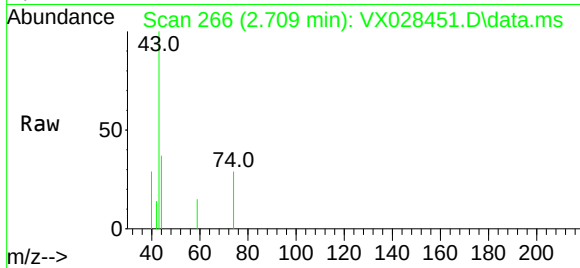




#18
Methyl Acetate
Concen: 0.433 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

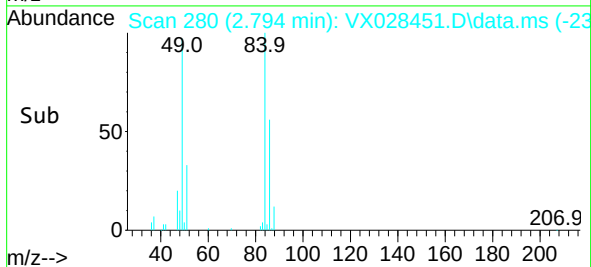
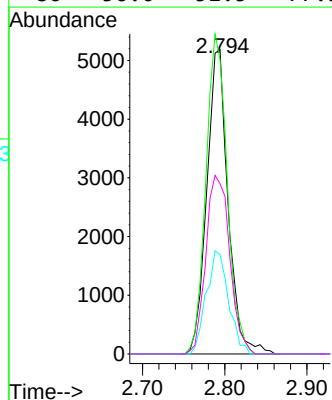
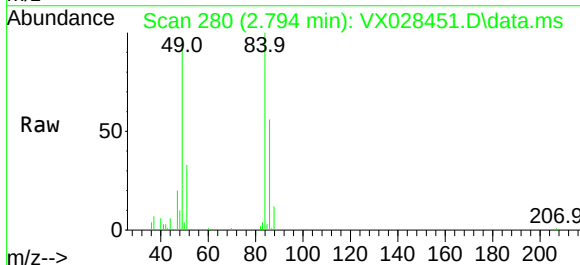
Instrument :
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ClientSampleId :
PB144452ZHE#06

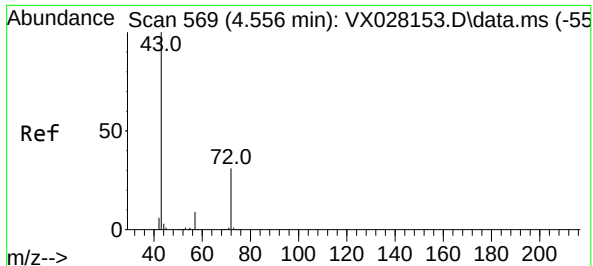
Tgt Ion: 43 Resp: 1962
Ion Ratio Lower Upper
43 100
74 31.7 22.8 34.2



#20
Methylene Chloride
Concen: 2.469 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 84 Resp: 9342
Ion Ratio Lower Upper
84 100
49 96.7 85.5 128.3
51 32.6 26.6 39.8
86 56.0 51.5 77.3





#25

2-Butanone

Concen: 1.075 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

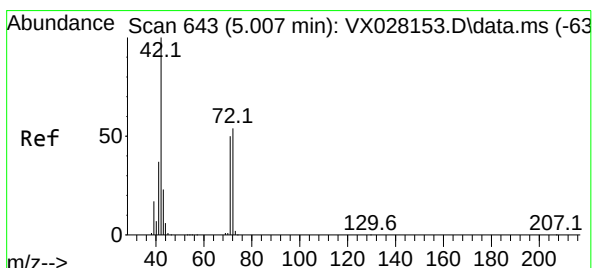
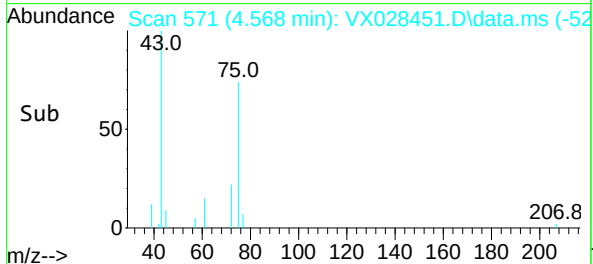
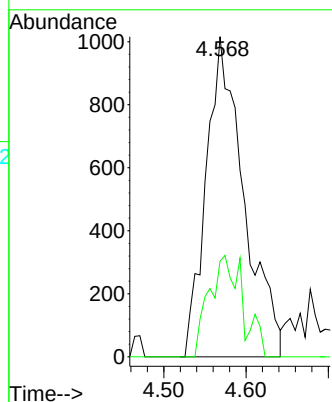
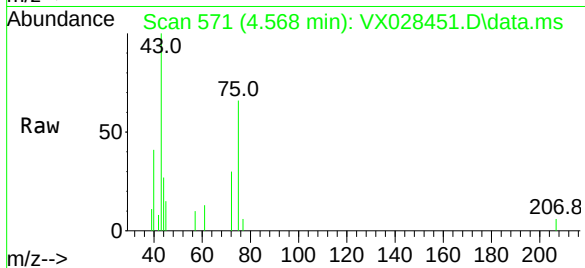
PB144452ZHE#06

Tgt Ion: 43 Resp: 3246

Ion Ratio Lower Upper

43 100

72 29.8 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

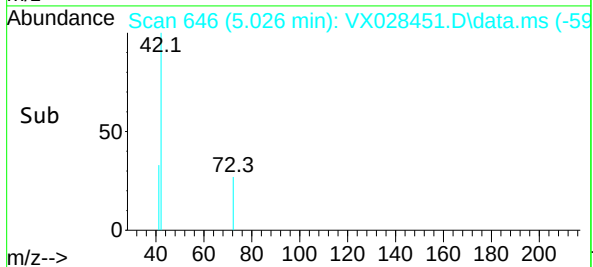
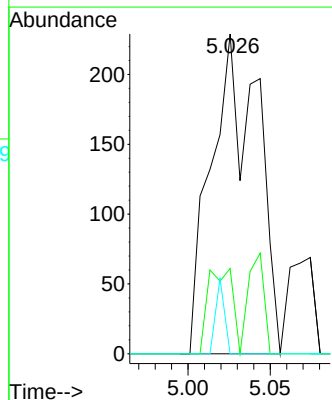
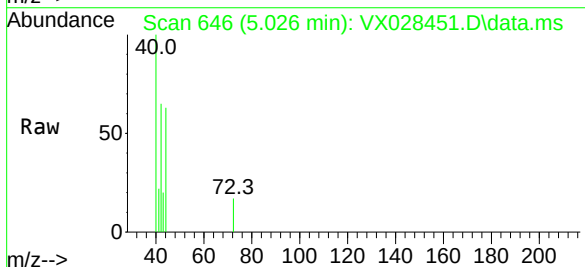
Tgt Ion: 42 Resp: 448

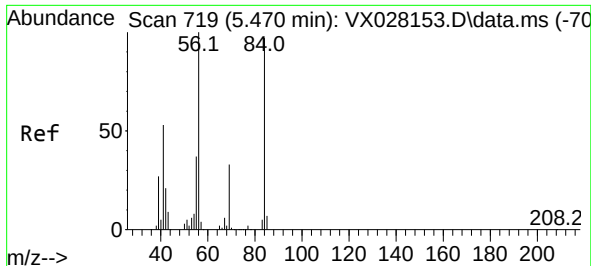
Ion Ratio Lower Upper

42 100

72 14.1 44.1 66.1#

71 4.5 40.5 60.7#

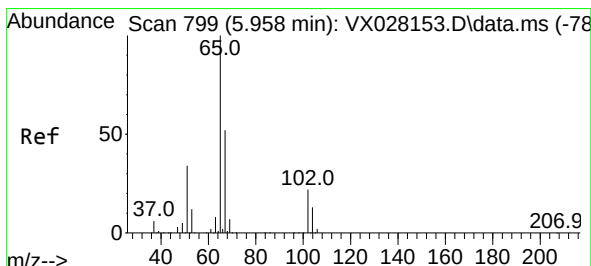
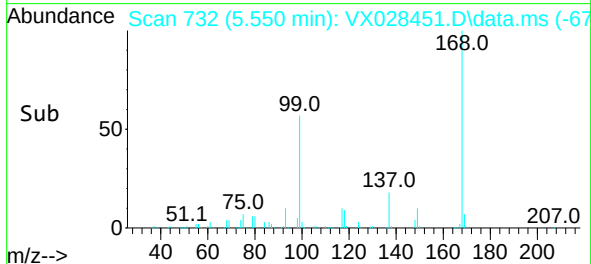
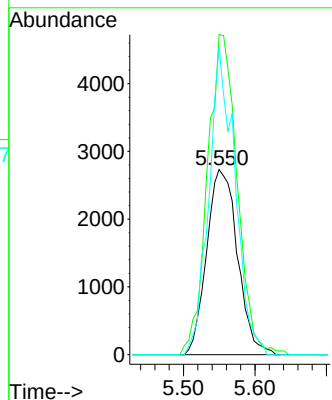
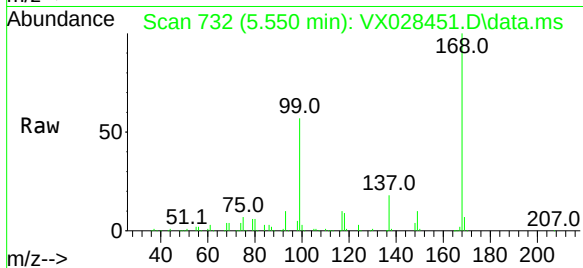




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

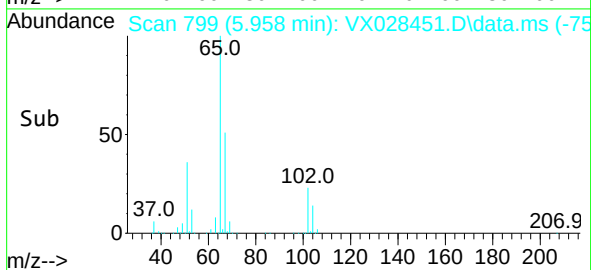
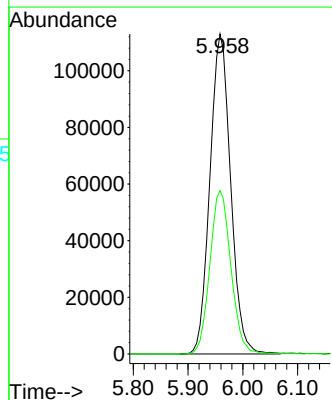
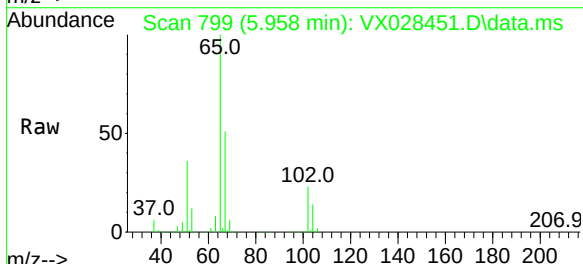
Instrument :
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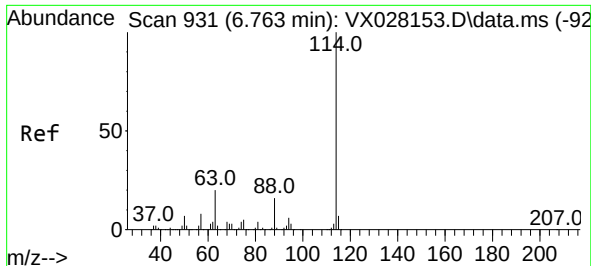
Tgt Ion: 56 Resp: 8177
Ion Ratio Lower Upper
56 100
69 172.8 26.7 40.1#
84 166.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.112 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

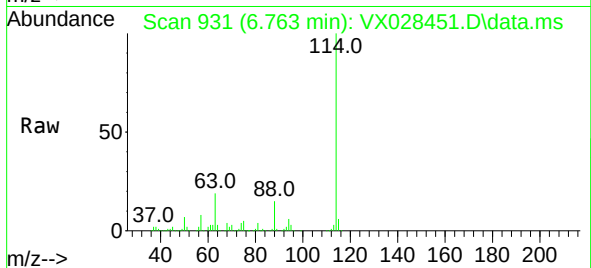
Tgt Ion: 65 Resp: 296291
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4



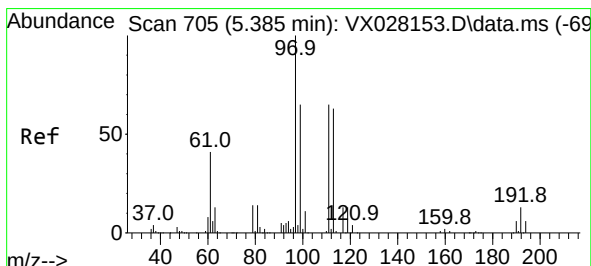
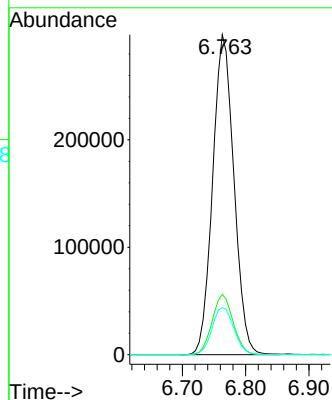
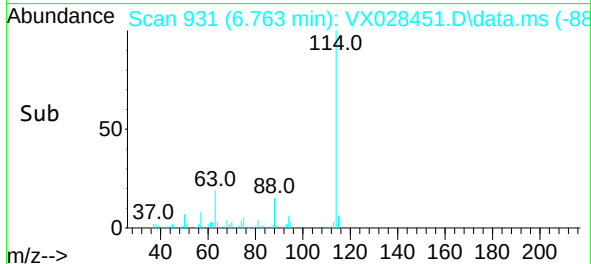


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

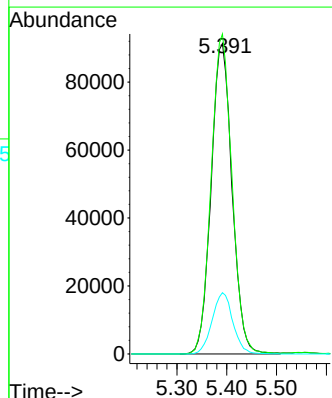
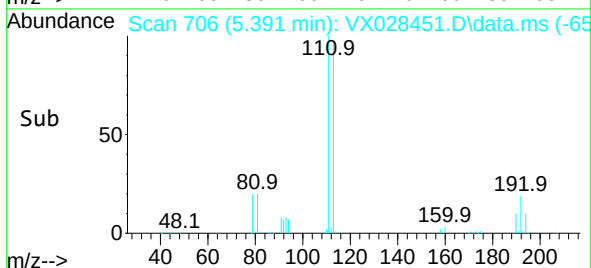
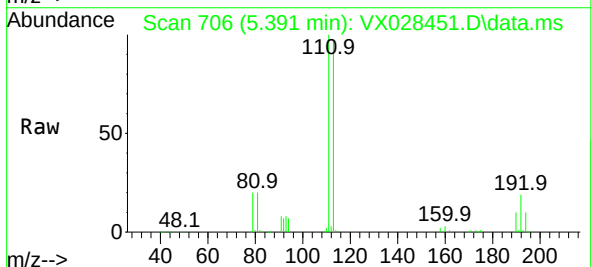


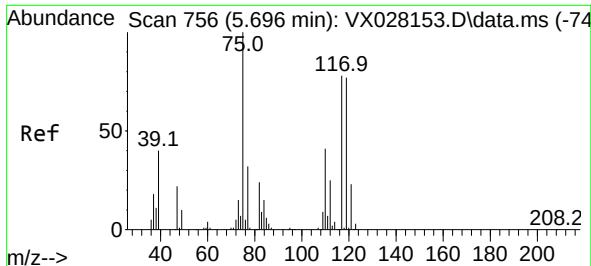
Tgt Ion:114 Resp: 695263
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.8
88 14.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.544 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion:113 Resp: 265945
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.6 16.9 25.3

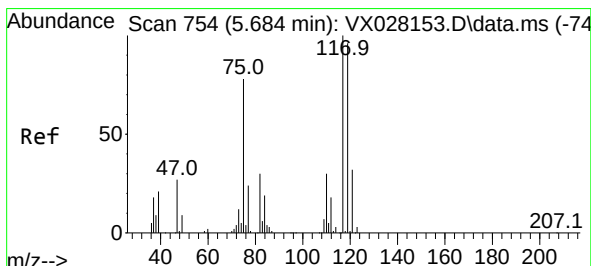
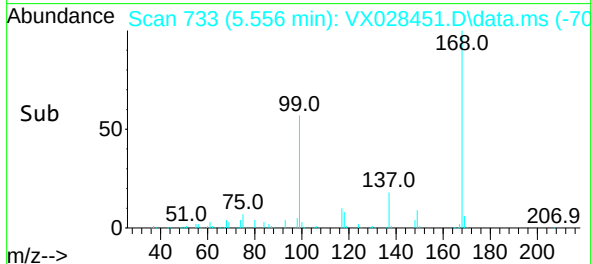
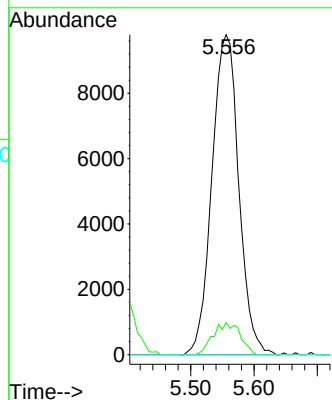
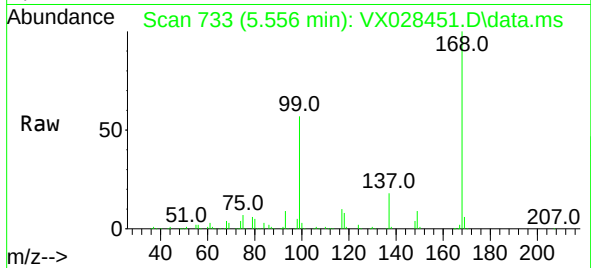




#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

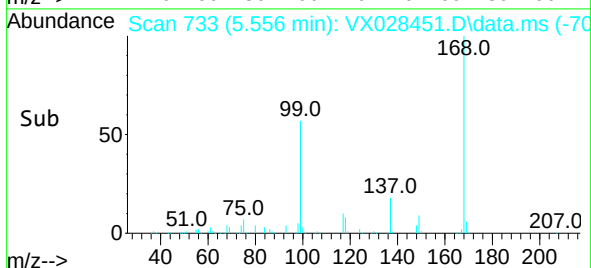
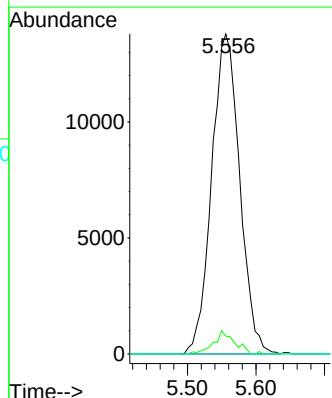
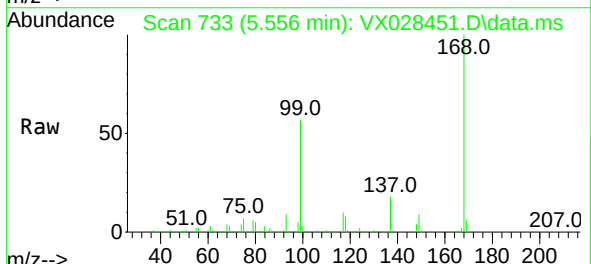
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

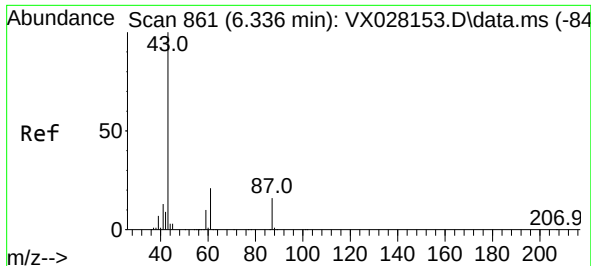
Tgt Ion: 75 Resp: 28803
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 117 Resp: 39167
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 24.2 36.2#

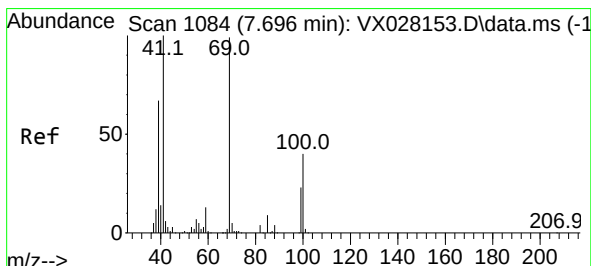
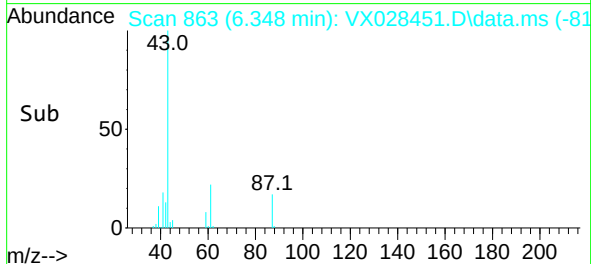
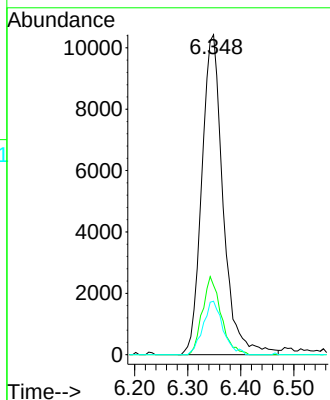
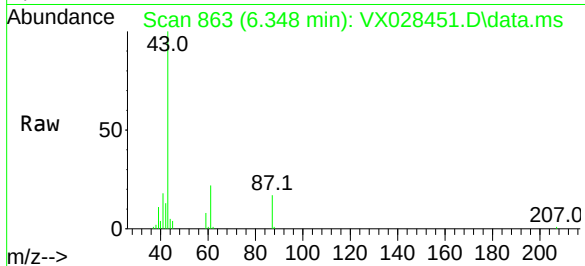




#43
Isopropyl Acetate
Concen: 2.769 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

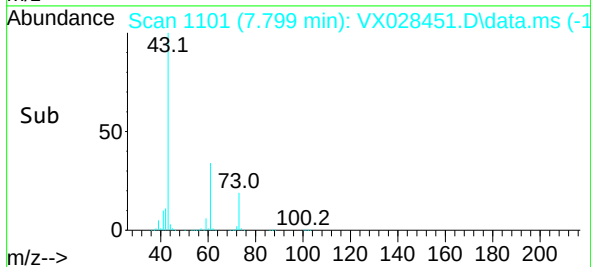
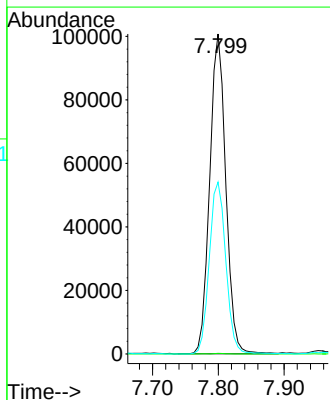
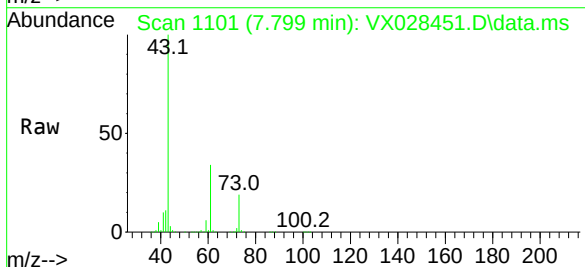
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

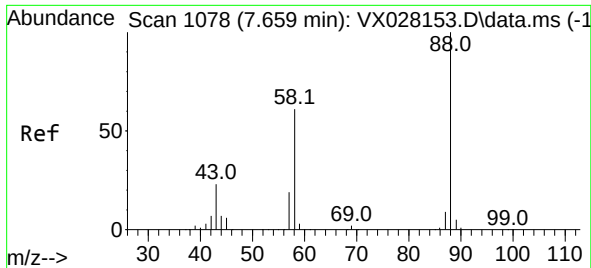
Tgt Ion: 43 Resp: 29078
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 15.6 13.0 19.6



#48
Methyl methacrylate
Concen: 35.549 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 41 Resp: 171419
Ion Ratio Lower Upper
41 100
69 0.2 82.5 123.7#
39 55.3 43.8 65.8

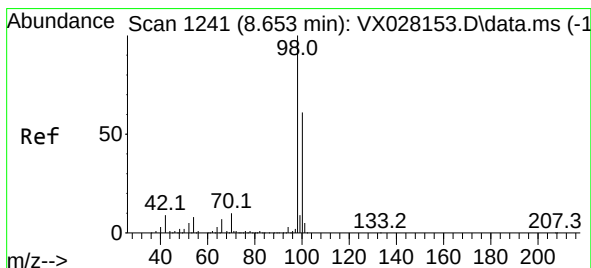
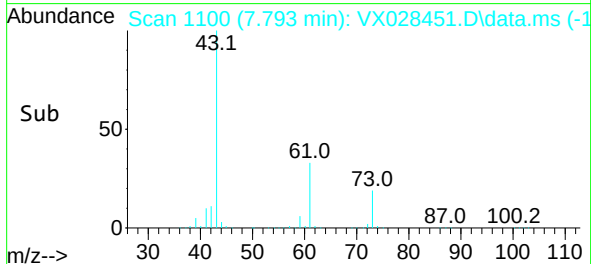
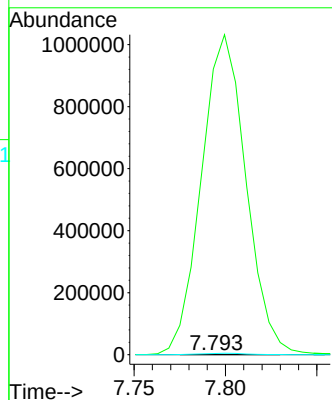
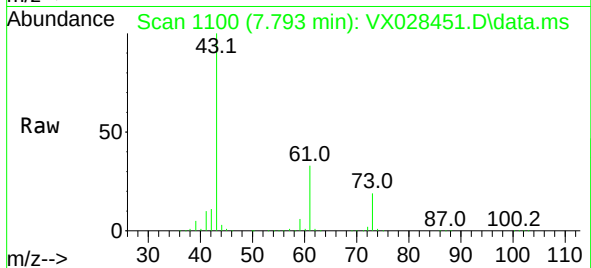




#49
1,4-Dioxane
Concen: 2.419 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

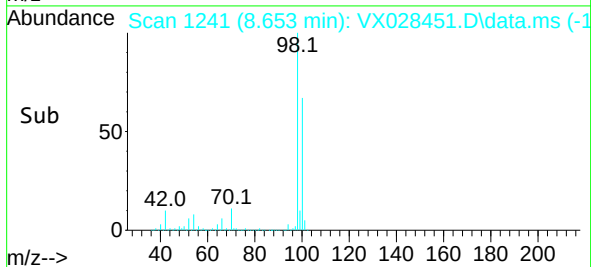
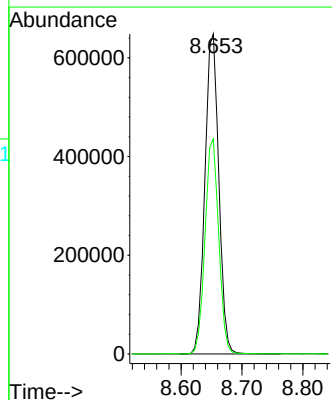
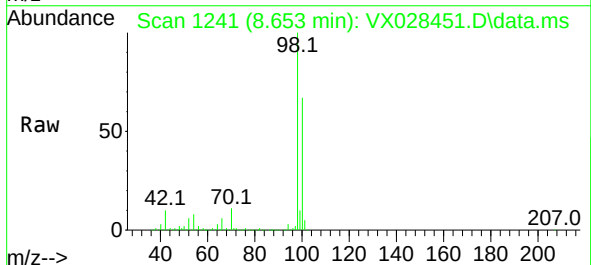
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

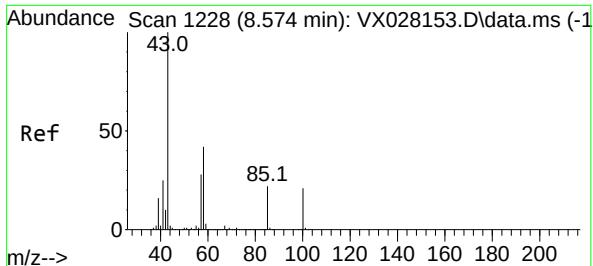
Tgt Ion: 88 Resp: 312
Ion Ratio Lower Upper
88 100
43 565953.8 21.9 32.9#
58 2626.6 53.7 80.5#



#50
Toluene-d8
Concen: 54.808 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 98 Resp: 1026389
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.515 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

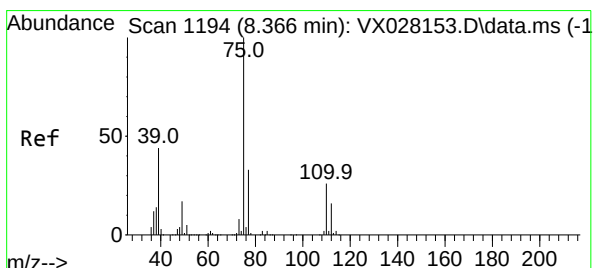
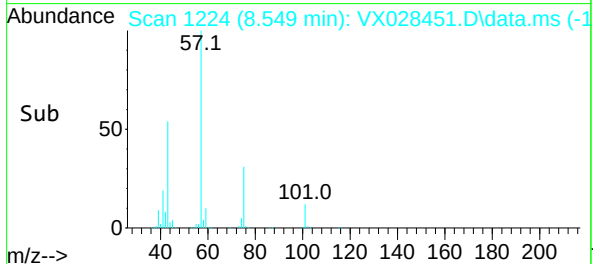
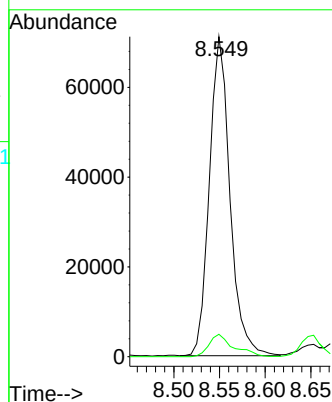
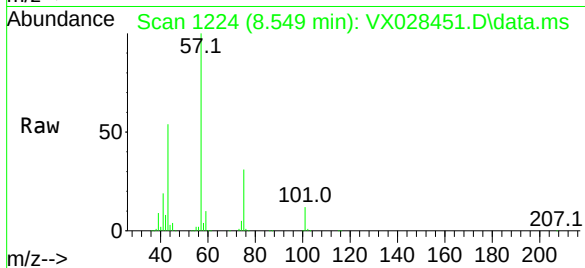
PB144452ZHE#06

Tgt Ion: 43 Resp: 111307

Ion Ratio Lower Upper

43 100

58 8.3 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.599 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

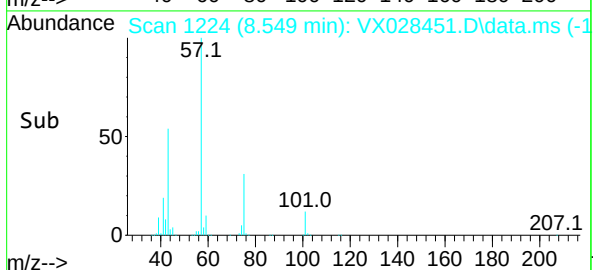
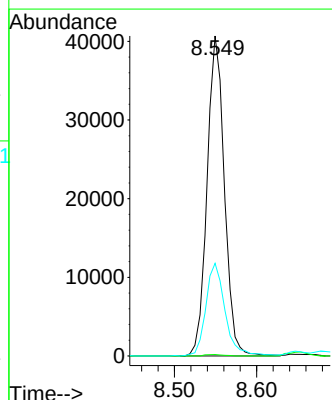
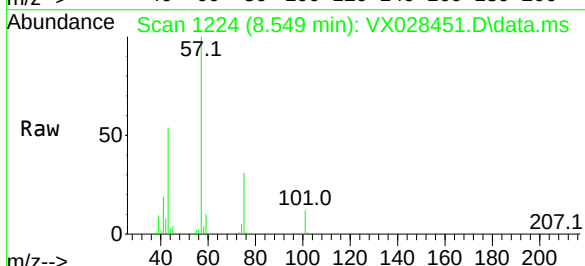
Tgt Ion: 75 Resp: 59587

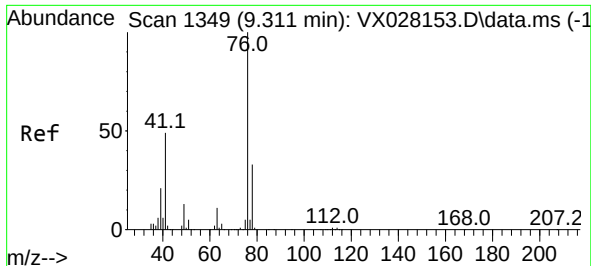
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 28.9 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.530 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

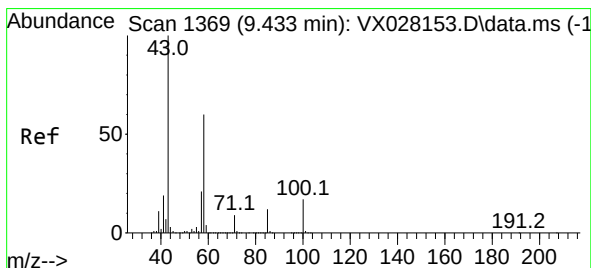
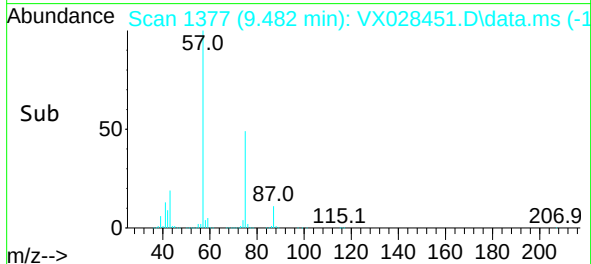
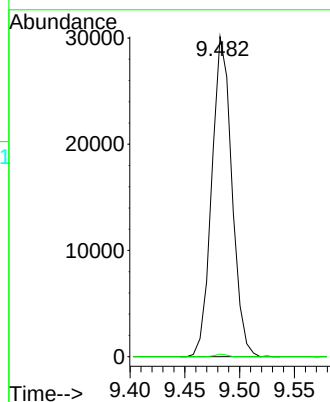
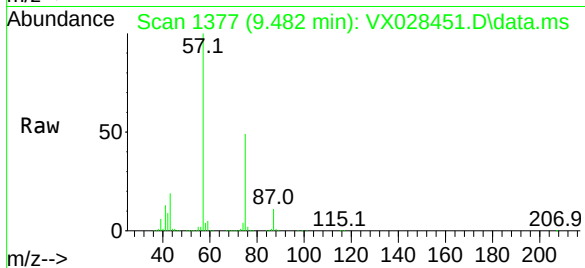
PB144452ZHE#06

Tgt Ion: 76 Resp: 38425

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 84.259 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028451.D

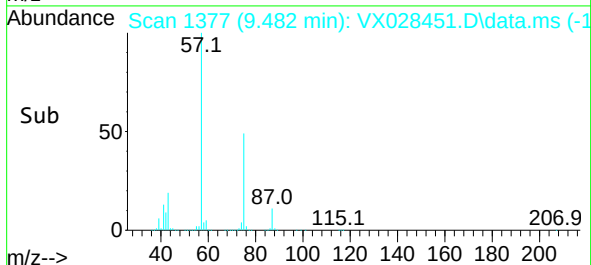
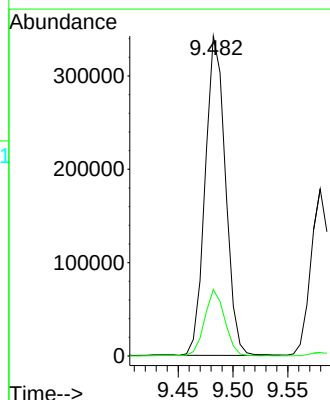
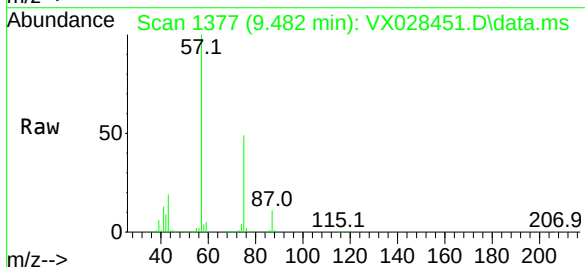
Acq: 30 Apr 2022 02:40

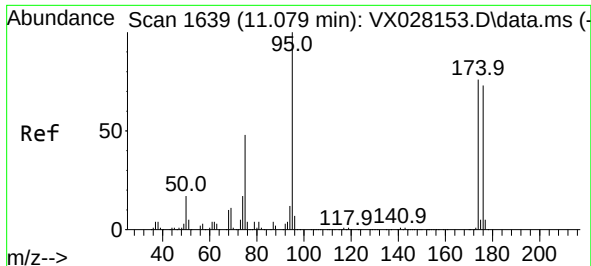
Tgt Ion: 43 Resp: 439903

Ion Ratio Lower Upper

43 100

58 20.5 31.9 95.7#

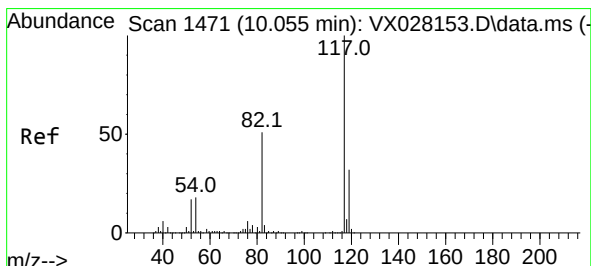
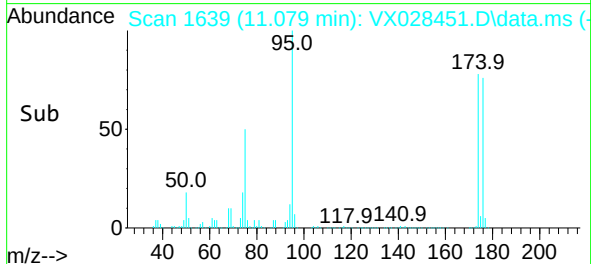
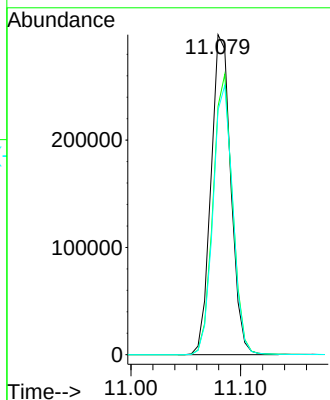
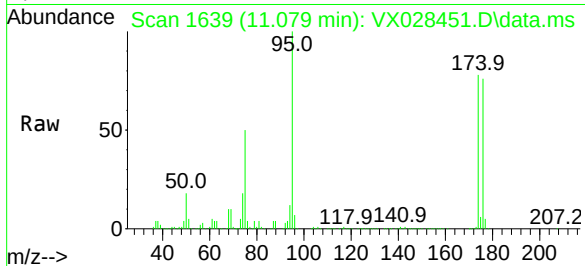




#62
4-Bromofluorobenzene
Concen: 52.601 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

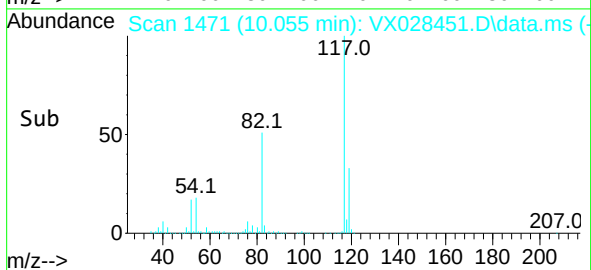
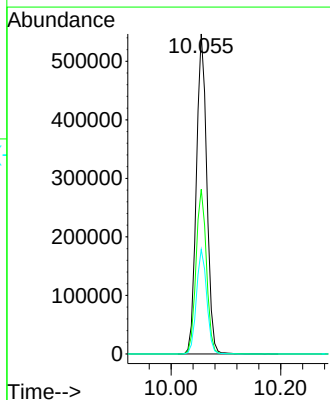
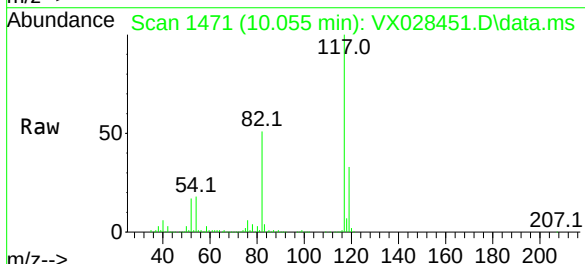
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#06

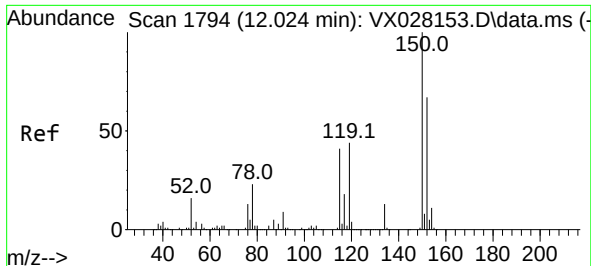
Tgt Ion: 95 Resp: 376645
Ion Ratio Lower Upper
95 100
174 86.0 0.0 163.0
176 83.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028451.D
Acq: 30 Apr 2022 02:40

Tgt Ion: 117 Resp: 726976
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.6 24.8 37.2

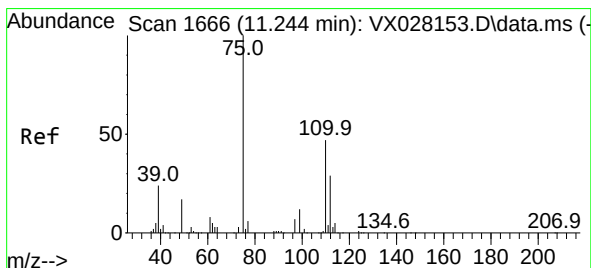
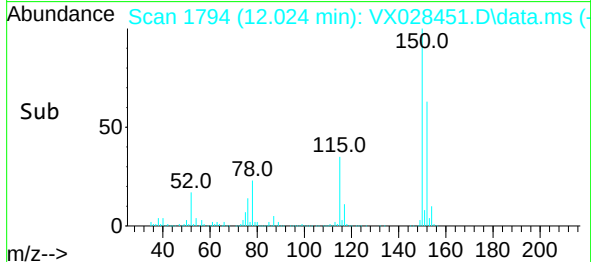
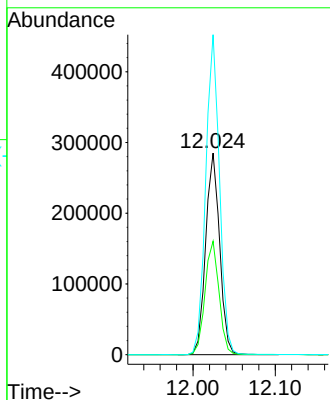
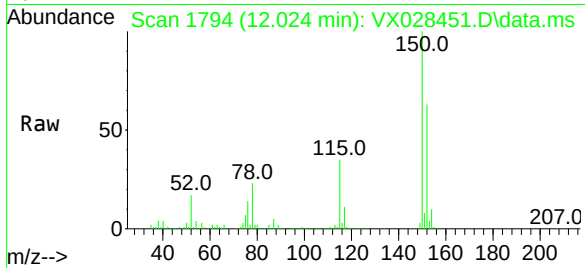




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX028451.D
 Acq: 30 Apr 2022 02:40

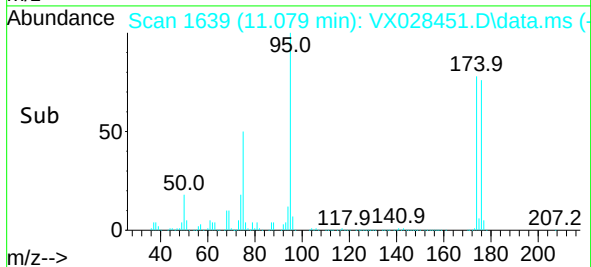
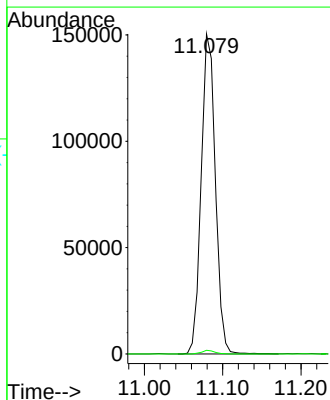
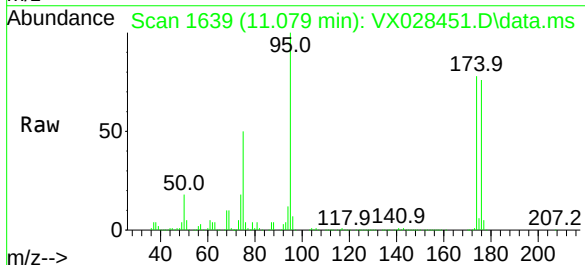
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#06

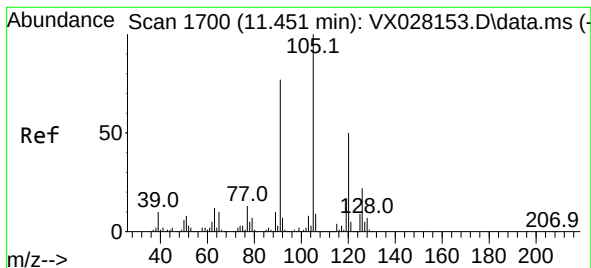
Tgt Ion:152 Resp: 336286
 Ion Ratio Lower Upper
 152 100
 115 56.5 37.5 112.7
 150 156.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.622 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028451.D
 Acq: 30 Apr 2022 02:40

Tgt Ion: 75 Resp: 189429
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.220 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

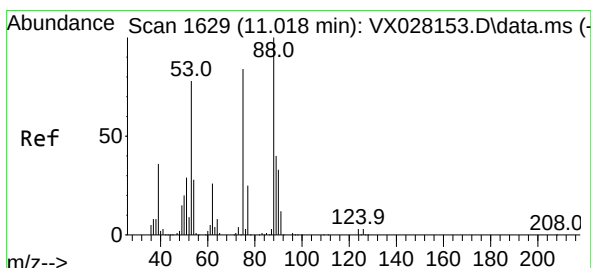
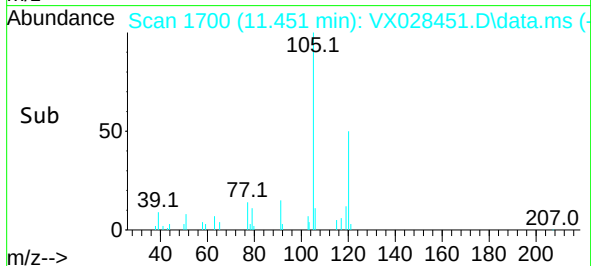
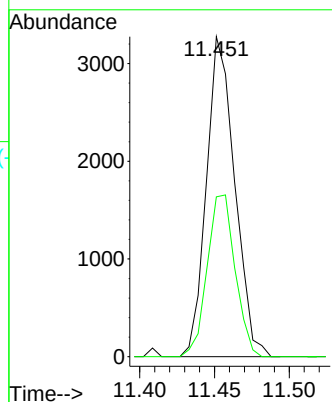
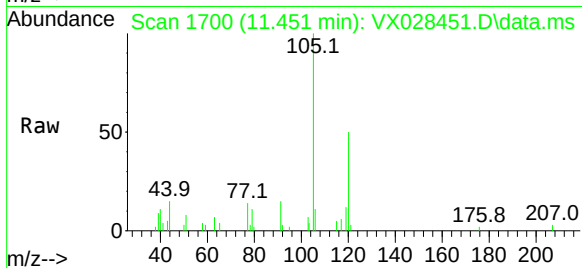
PB144452ZHE#06

Tgt Ion:105 Resp: 4311

Ion Ratio Lower Upper

105 100

120 50.0 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 85.057 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028451.D

Acq: 30 Apr 2022 02:40

Tgt Ion: 75 Resp: 189429

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

