

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028380.D
 Acq On : 27 Apr 2022 15:56
 Operator : JC/MD
 Sample : PB144390ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144390ZHE#05

Quant Time: Apr 28 04:23:33 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)

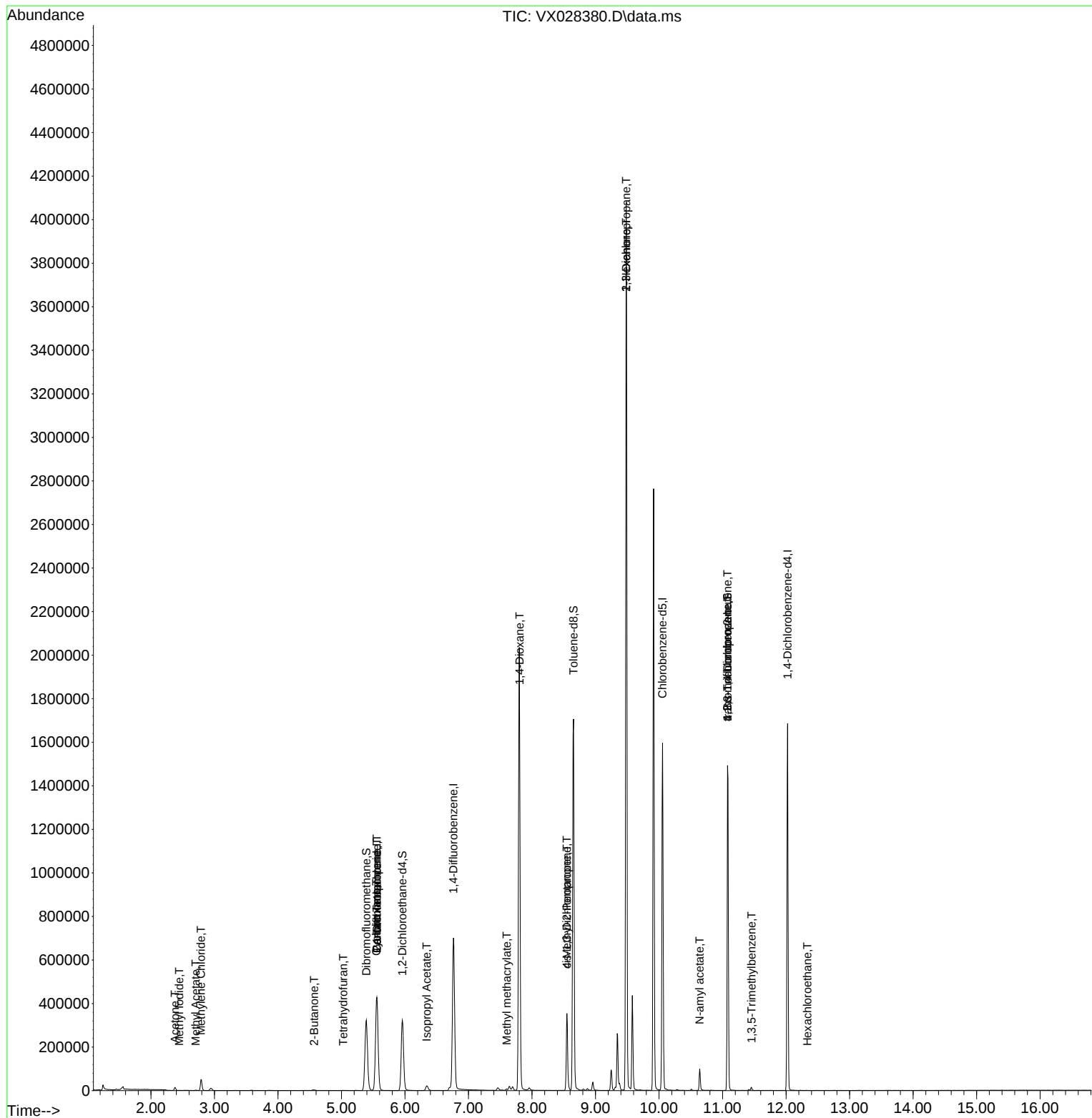
Internal Standards						
1) Pentafluorobenzene	5.556	168	425152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	745070	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	748632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	353708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	305435	55.098	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.200%			
35) Dibromofluoromethane	5.391	113	279432	53.479	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.960%			
50) Toluene-d8	8.653	98	1055690	52.604	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.200%			
62) 4-Bromofluorobenzene	11.079	95	389476	50.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.520%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	284	Below Cal		94
5) Bromomethane	1.624	94	974	Below Cal	#	57
6) Chloroethane	1.642	64	881	Below Cal		91
8) Diethyl Ether	2.136	74	45	Below Cal	#	1
10) Methyl Iodide	2.447	142	442	5.319 ug/l	#	61
11) Tert butyl alcohol	2.940	59	6158	Below Cal	#	73
16) Acetone	2.380	43	14312	7.096 ug/l		90
18) Methyl Acetate	2.703	43	2107	0.427 ug/l		99
20) Methylene Chloride	2.788	84	23294	5.663 ug/l		96
25) 2-Butanone	4.568	43	1529	0.466 ug/l		98
29) Tetrahydrofuran	5.025	42	674	0.315 ug/l	#	64
31) Cyclohexane	5.550	56	8250	1.222 ug/l	#	17
36) 1,1-Dichloropropene	5.556	75	30951	4.541 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	42723	5.553 ug/l	#	15
43) Isopropyl Acetate	6.342	43	29562	2.626 ug/l		98
48) Methyl methacrylate	7.604	41	7798	1.509 ug/l	#	7
49) 1,4-Dioxane	7.805	88	359	2.597 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	112075	15.517 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	61711	7.344 ug/l	#	66
57) 1,3-Dichloropropane	9.482	76	39518	4.348 ug/l	#	43
59) 2-Hexanone	9.482	43	440665	78.762 ug/l	#	45
74) N-amyl acetate	10.640	43	20755	2.470 ug/l	#	46
76) 1,2,3-Trichloropropane	11.079	75	194482	27.938 ug/l	#	38
80) 1,3,5-Trimethylbenzene	11.457	105	6352	0.308 ug/l		97
81) trans-1,4-Dichloro-2-b...	11.079	75	194482	83.024 ug/l	#	15
90) Hexachloroethane	12.335	117	23	1.819 ug/l	#	10

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

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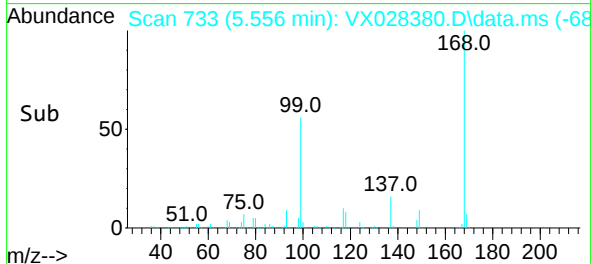
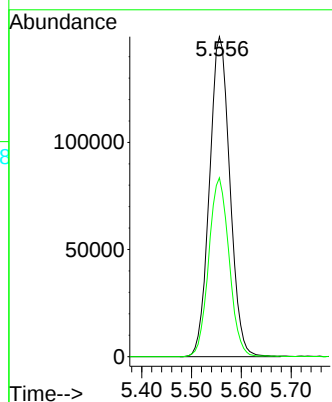
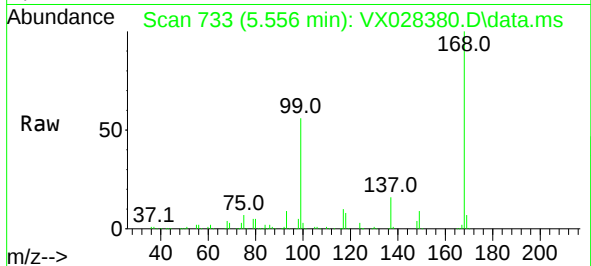




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

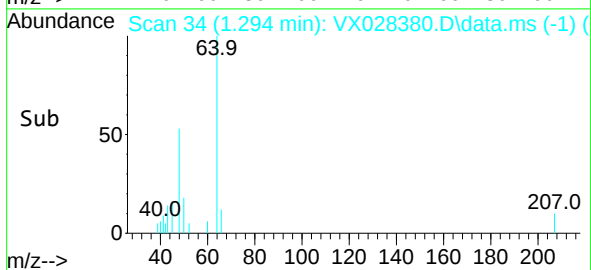
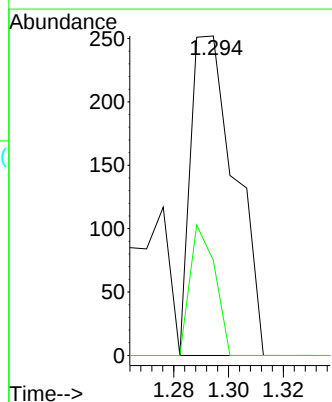
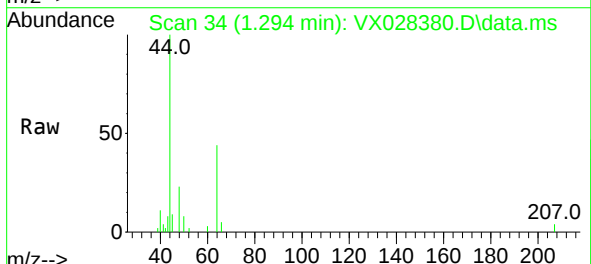
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

Tgt Ion:168 Resp: 425152
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 50 Resp: 284
Ion Ratio Lower Upper
50 100
52 29.8 26.4 39.6

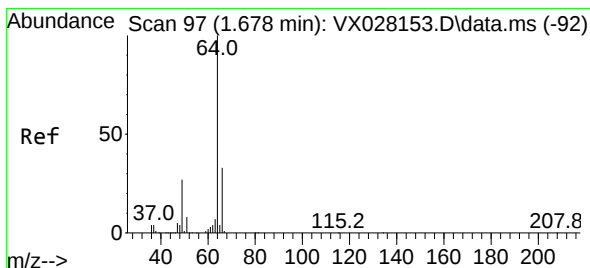
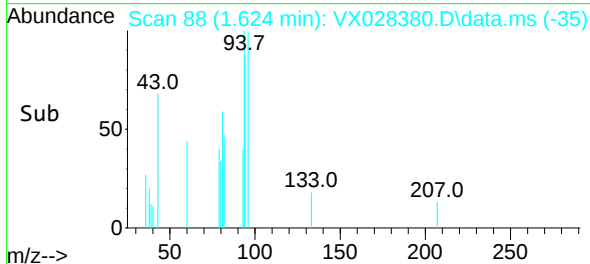
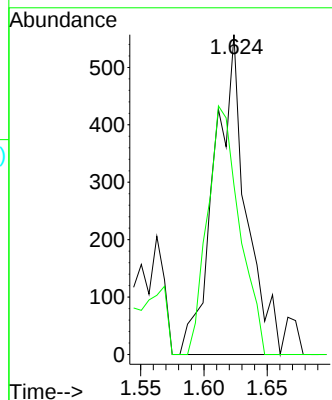
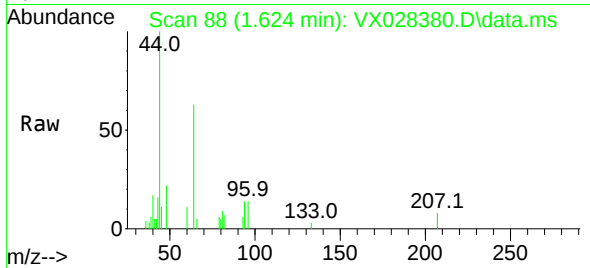




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.025 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

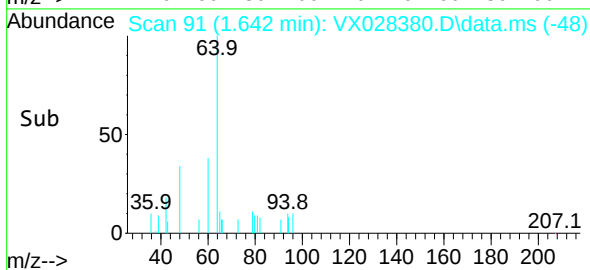
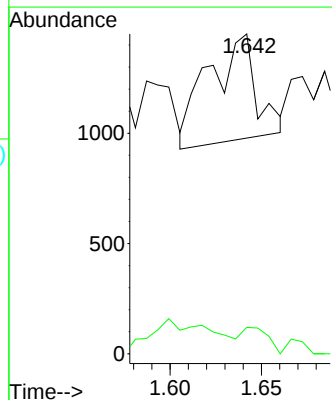
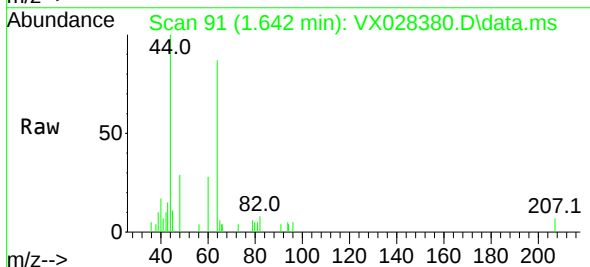
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

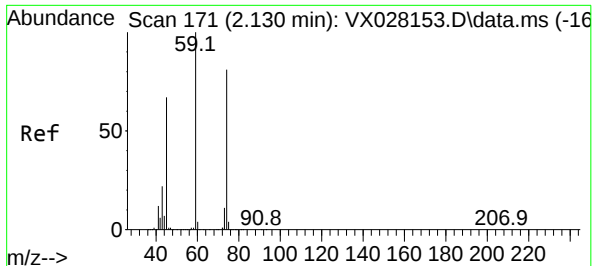
Tgt Ion: 94 Resp: 974
Ion Ratio Lower Upper
94 100
96 53.0 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 64 Resp: 881
Ion Ratio Lower Upper
64 100
66 26.8 25.3 37.9

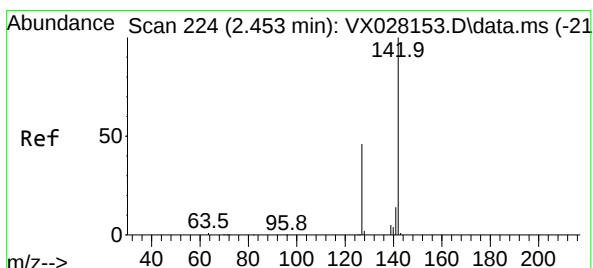
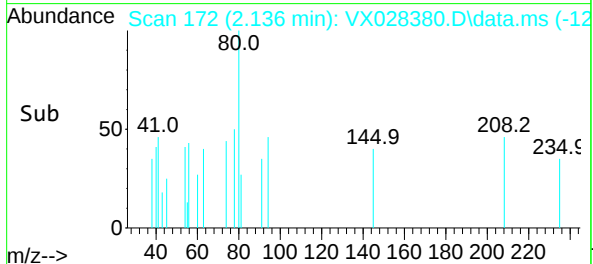
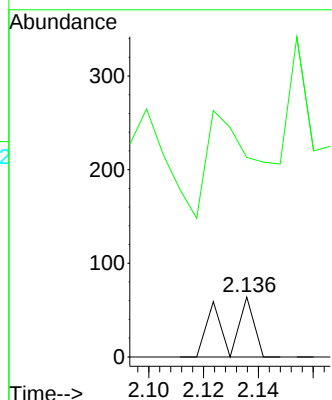
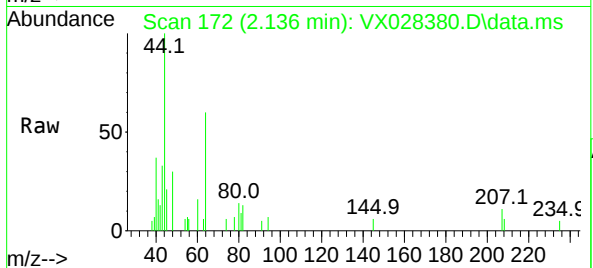




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

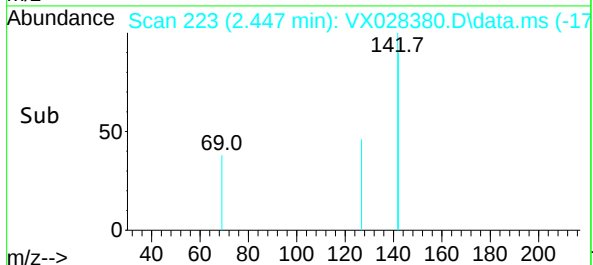
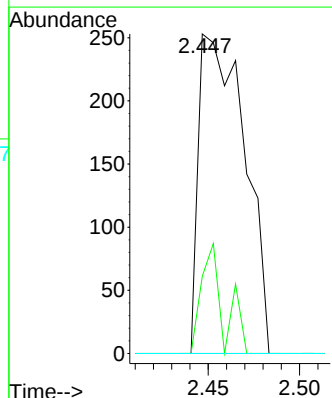
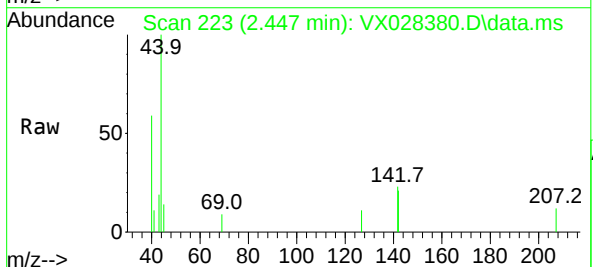
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

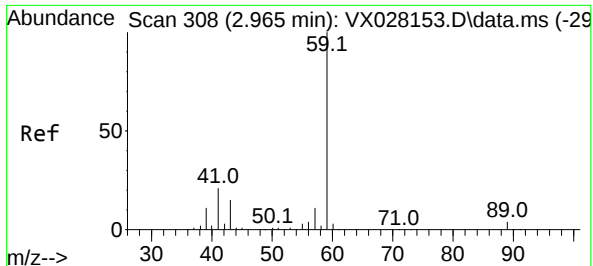
Tgt Ion: 74 Resp: 45
Ion Ratio Lower Upper
74 100
45 273.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.319 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion:142 Resp: 442
Ion Ratio Lower Upper
142 100
127 16.7 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028380.D

Acq: 27 Apr 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

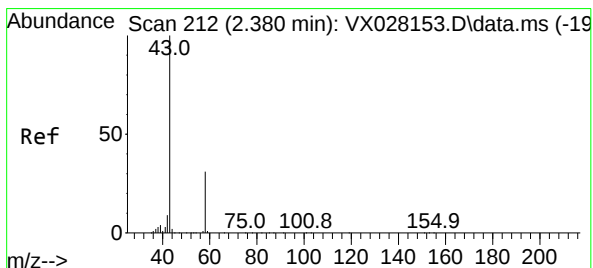
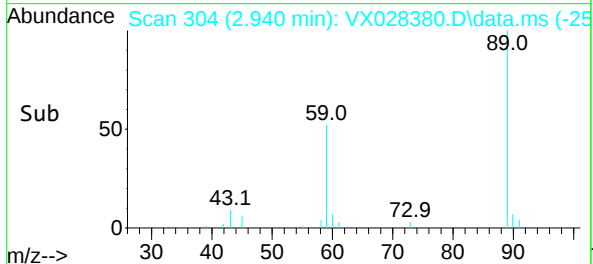
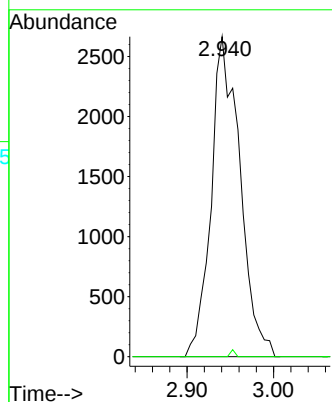
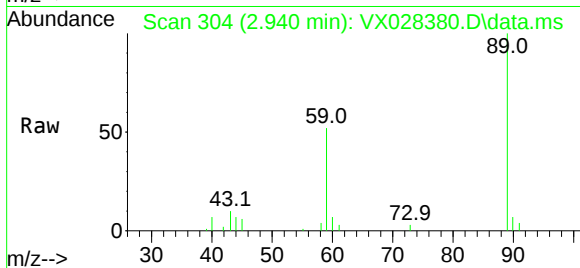
PB144390ZHE#05

Tgt Ion: 59 Resp: 6158

Ion Ratio Lower Upper

59 100

57 0.4 8.3 12.5#



#16

Acetone

Concen: 7.096 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028380.D

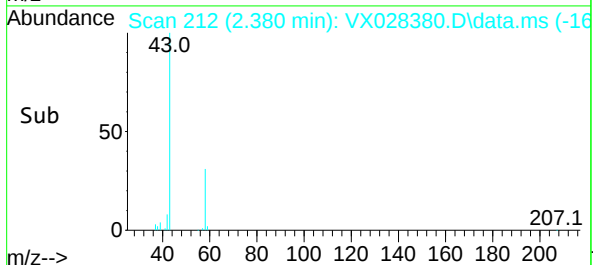
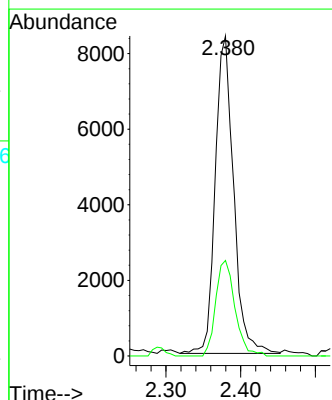
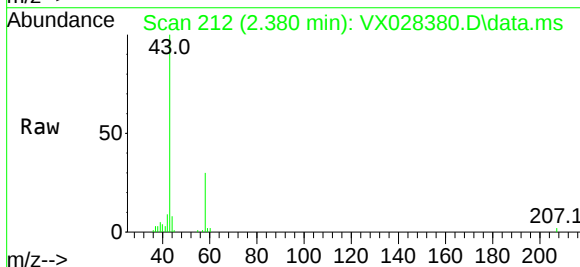
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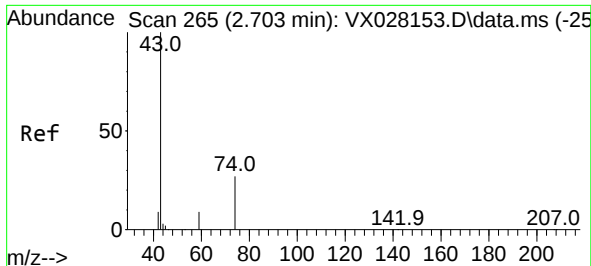
Tgt Ion: 43 Resp: 14312

Ion Ratio Lower Upper

43 100

58 30.1 28.8 43.2

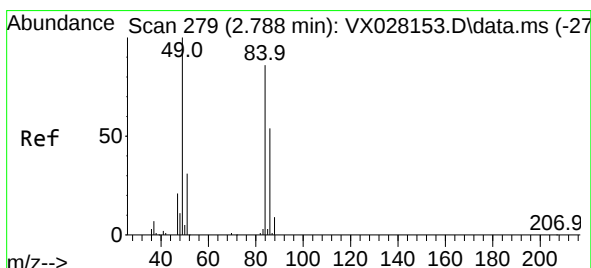
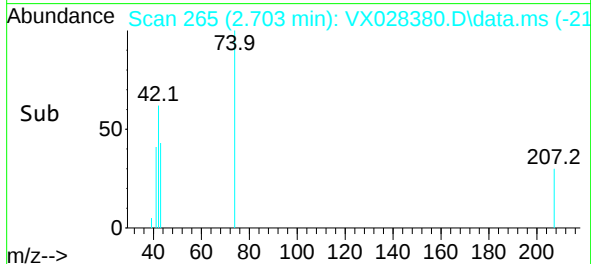
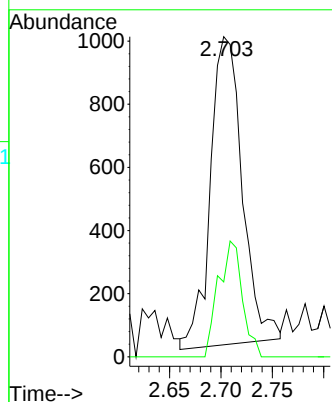
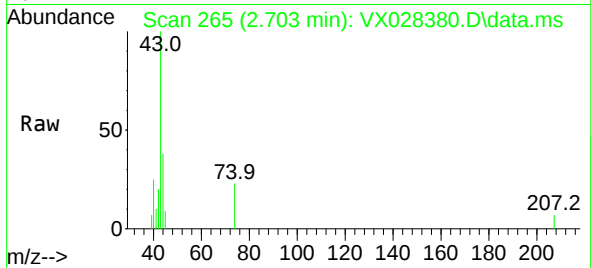




#18
Methyl Acetate
Concen: 0.427 ug/l
RT: 2.703 min Scan# 2107
Delta R.T. -0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

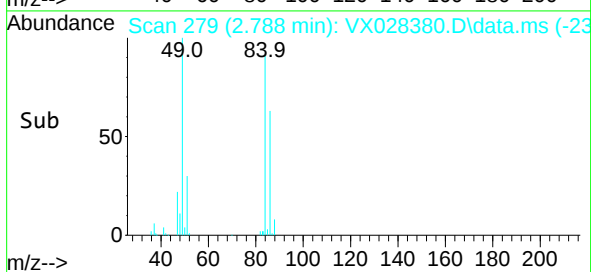
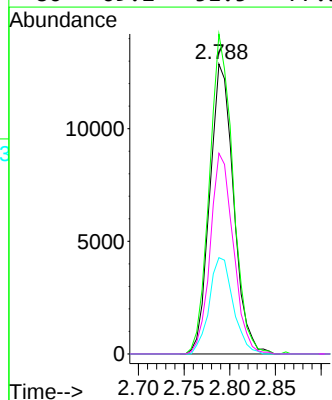
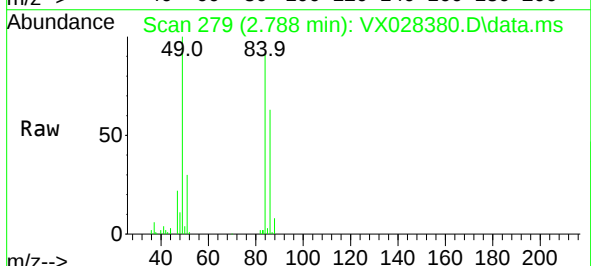
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

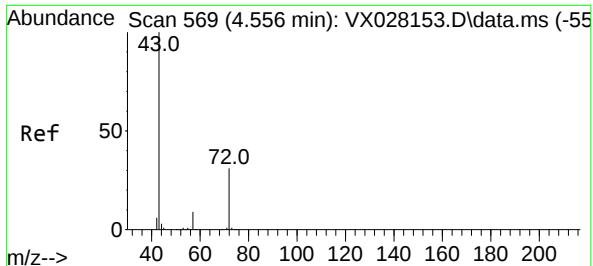
Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
74 28.0 22.8 34.2



#20
Methylene Chloride
Concen: 5.663 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 84 Resp: 23294
Ion Ratio Lower Upper
84 100
49 110.4 85.5 128.3
51 33.2 26.6 39.8
86 69.2 51.5 77.3





#25

2-Butanone

Concen: 0.466 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028380.D

Acq: 27 Apr 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

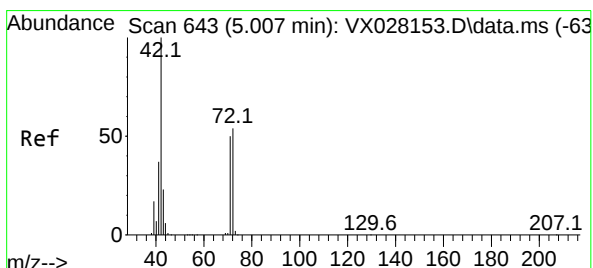
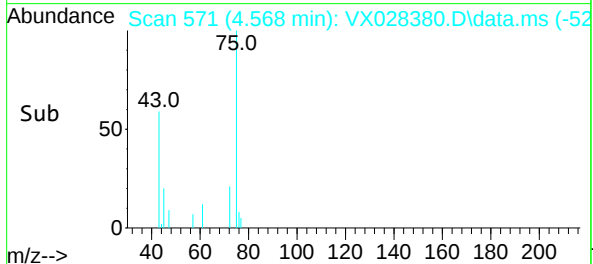
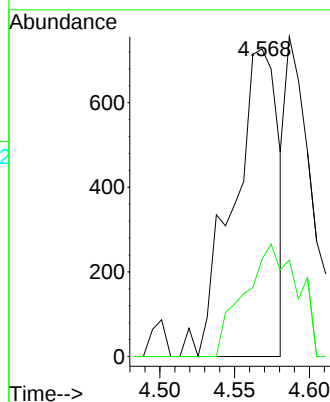
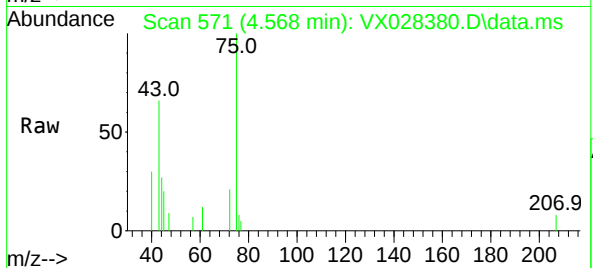
PB144390ZHE#05

Tgt Ion: 43 Resp: 1529

Ion Ratio Lower Upper

43 100

72 31.6 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.315 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX028380.D

Acq: 27 Apr 2022 15:56

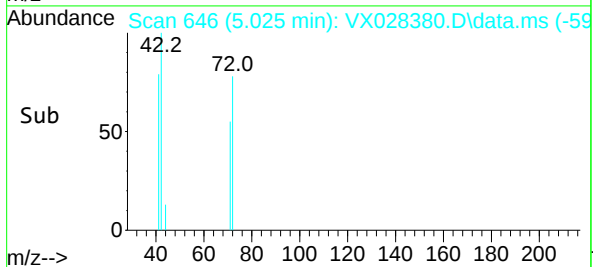
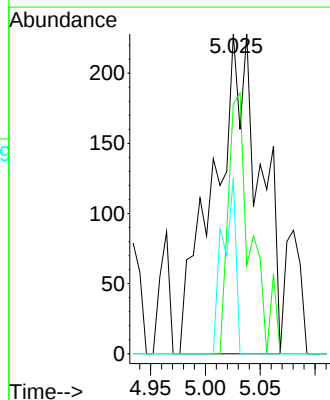
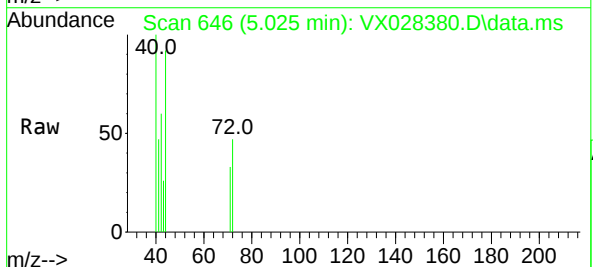
Tgt Ion: 42 Resp: 674

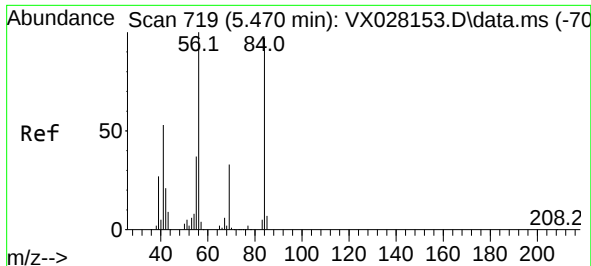
Ion Ratio Lower Upper

42 100

72 39.3 44.1 66.1#

71 15.4 40.5 60.7#

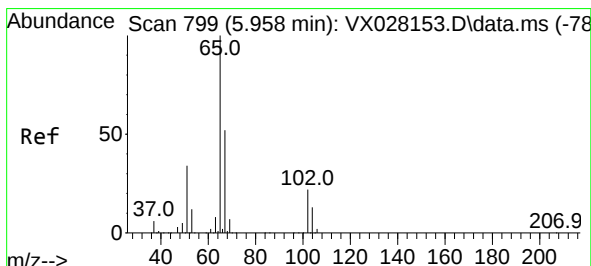
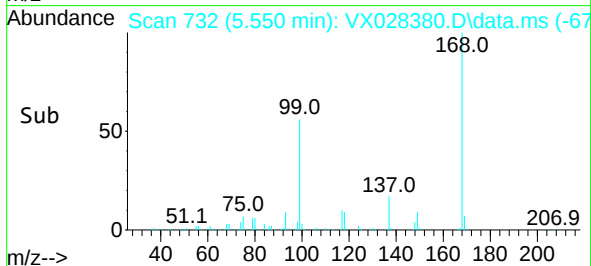
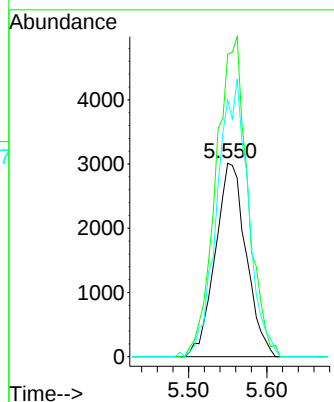
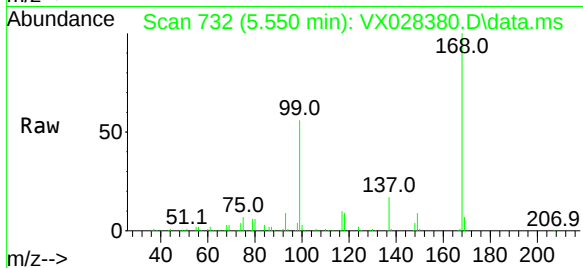




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

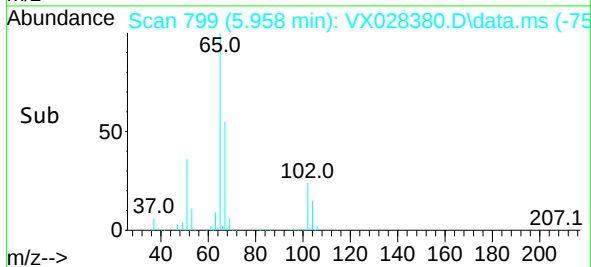
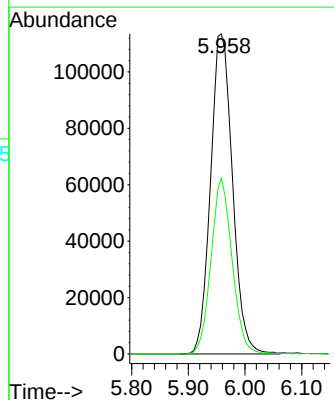
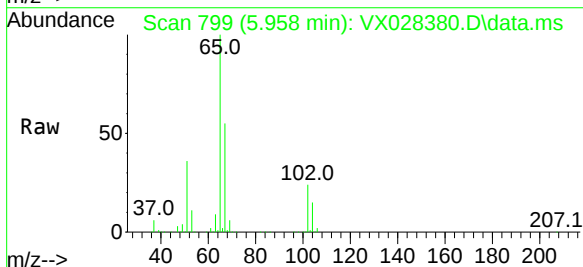
Instrument :
MSVOA_X
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PB144390ZHE#05

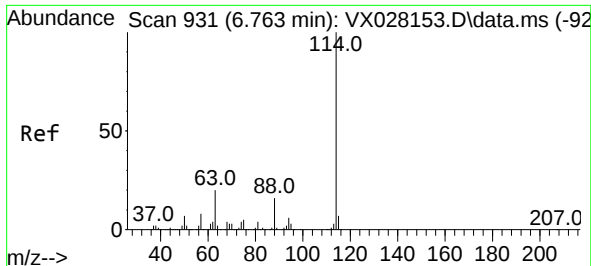
Tgt Ion: 56 Resp: 8250
Ion Ratio Lower Upper
56 100
69 156.4 26.7 40.1#
84 132.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.098 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 65 Resp: 305435
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

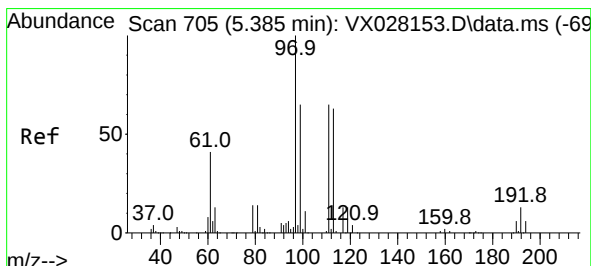
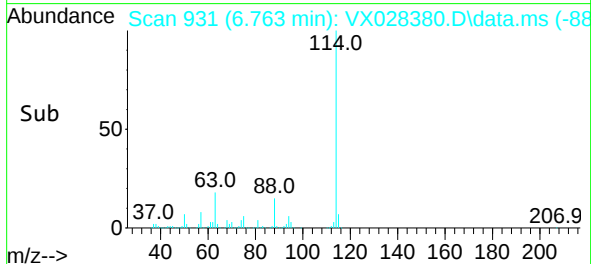
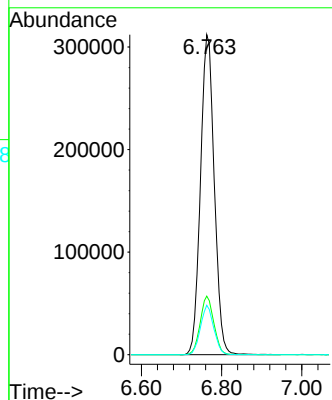
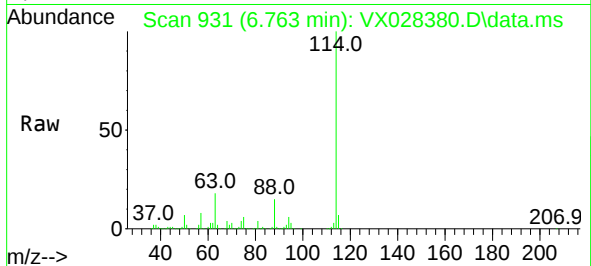




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

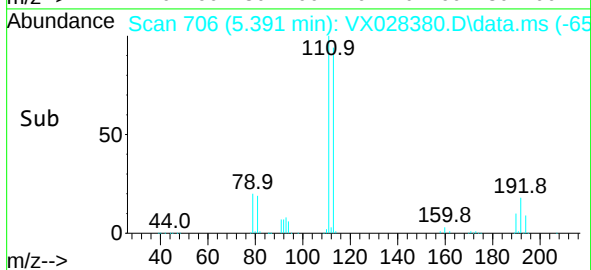
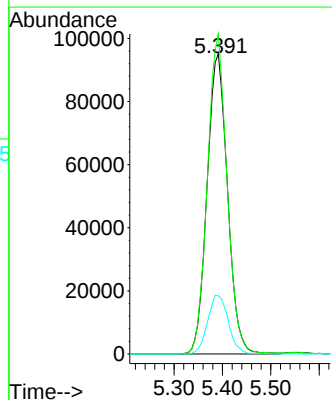
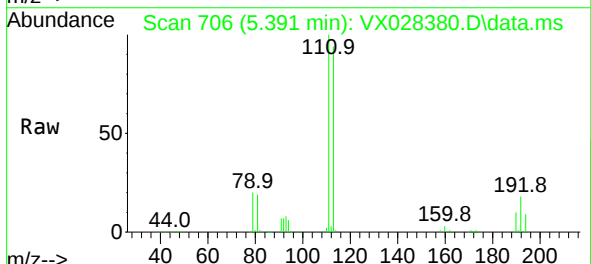
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

Tgt Ion:114 Resp: 745070
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 15.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.479 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion:113 Resp: 279432
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 19.8 16.9 25.3

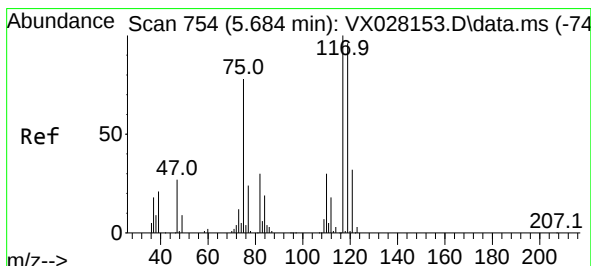
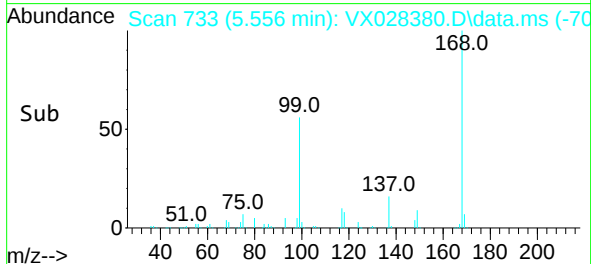
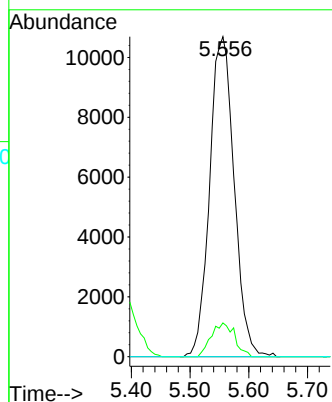
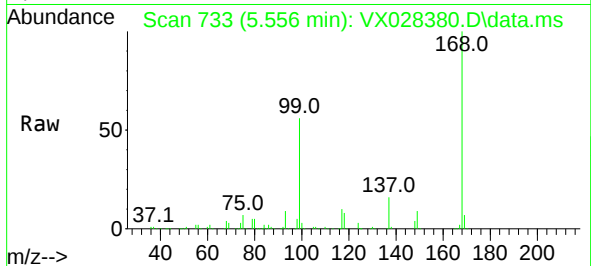




#36
1,1-Dichloropropene
Concen: 4.541 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

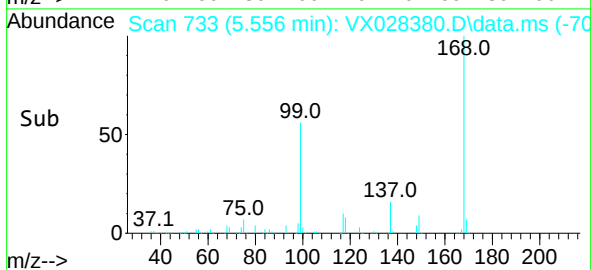
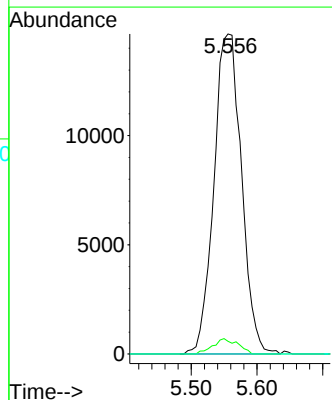
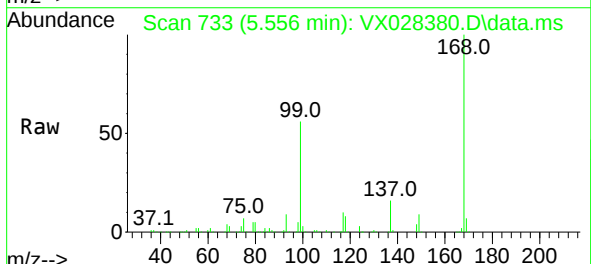
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

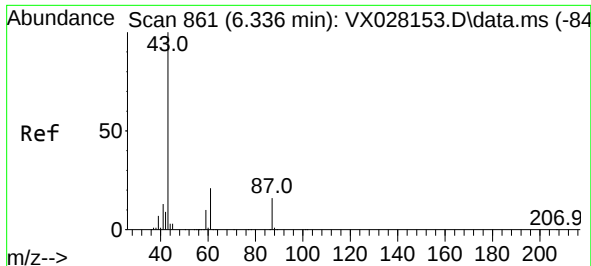
Tgt Ion: 75 Resp: 30951
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 117 Resp: 42723
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#

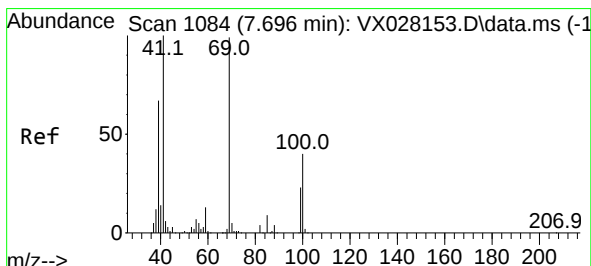
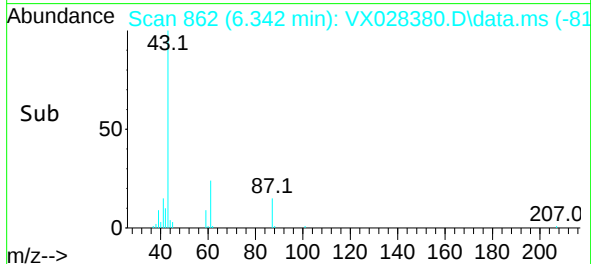
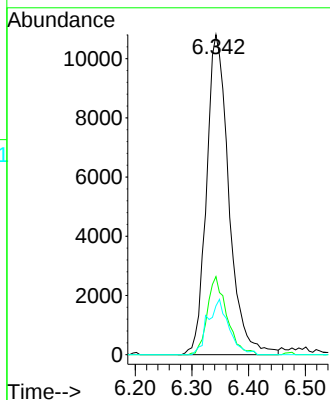
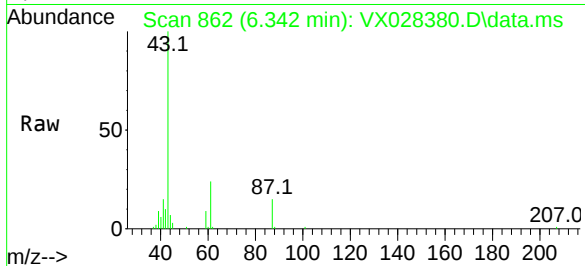




#43
Isopropyl Acetate
Concen: 2.626 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

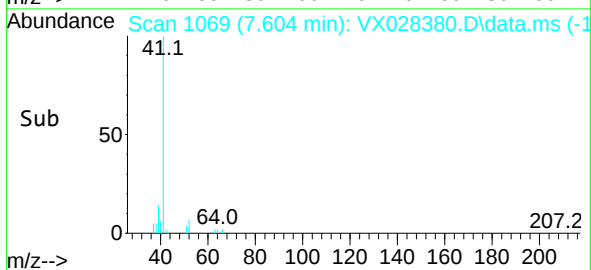
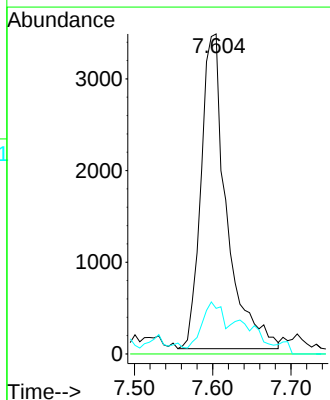
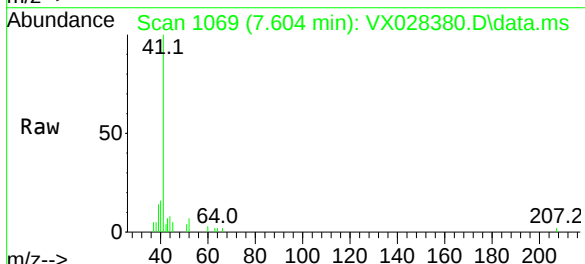
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

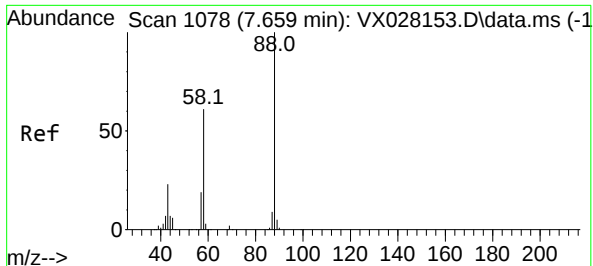
Tgt Ion: 43 Resp: 29562
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.509 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 41 Resp: 7798
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: 2.597 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028380.D

Acq: 27 Apr 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB144390ZHE#05

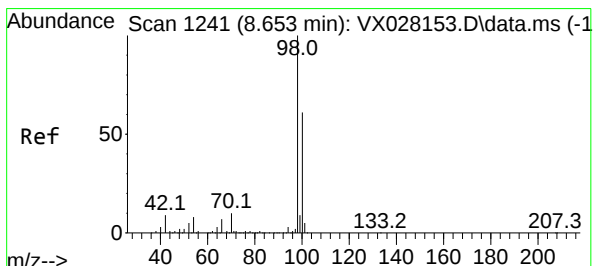
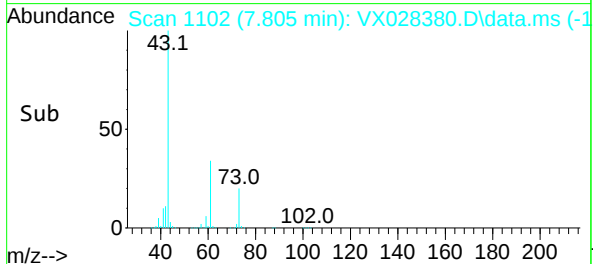
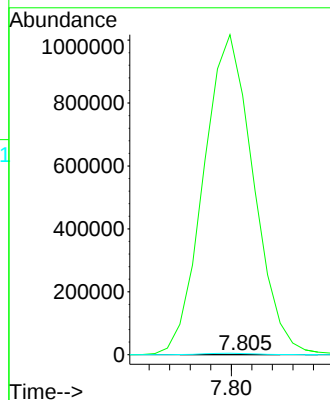
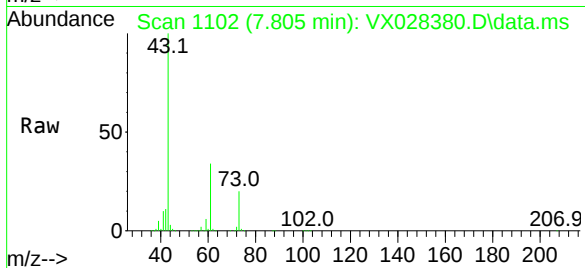
Tgt Ion: 88 Resp: 359

Ion Ratio Lower Upper

88 100

43 482219.2 21.9 32.9#

58 2268.5 53.7 80.5#



#50

Toluene-d8

Concen: 52.604 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028380.D

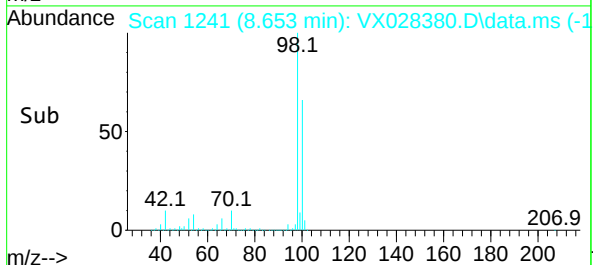
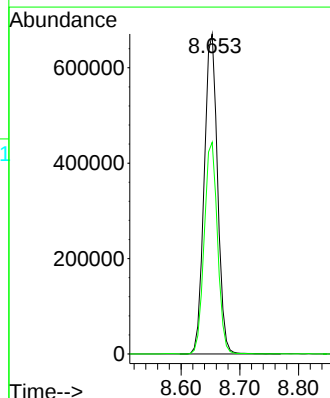
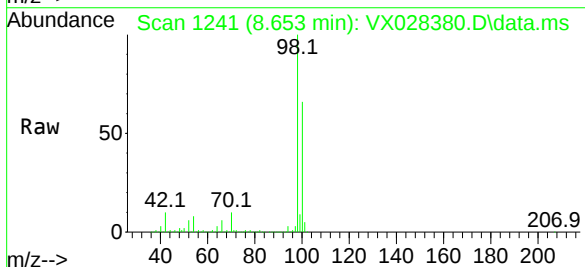
Acq: 27 Apr 2022 15:56

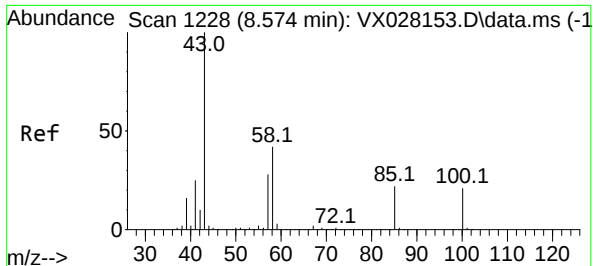
Tgt Ion: 98 Resp: 1055690

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8

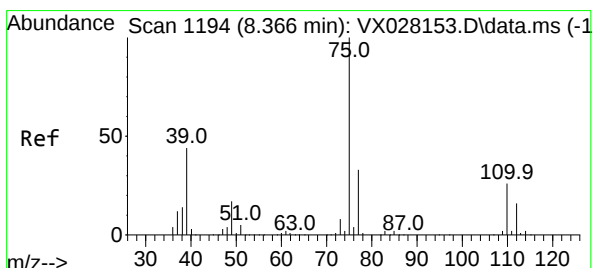
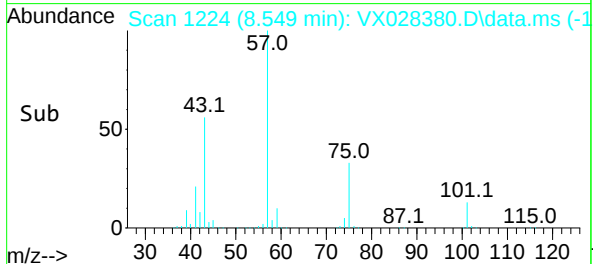
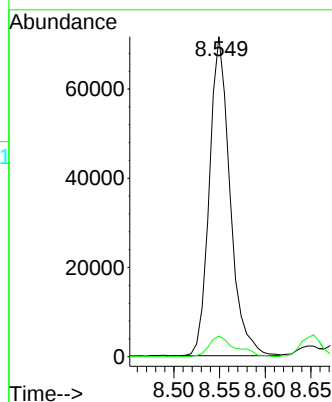
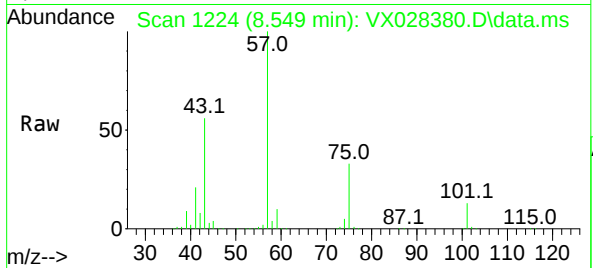




#51
4-Methyl-2-Pentanone
Concen: 15.517 ug/l
RT: 8.549 min Scan# 112075
Delta R.T. -0.025 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

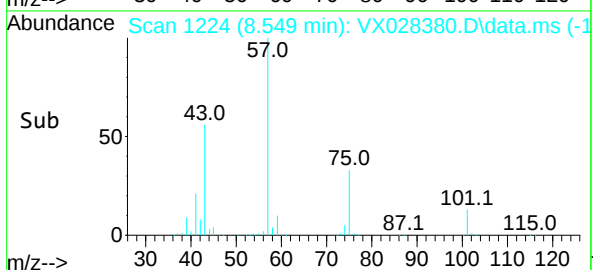
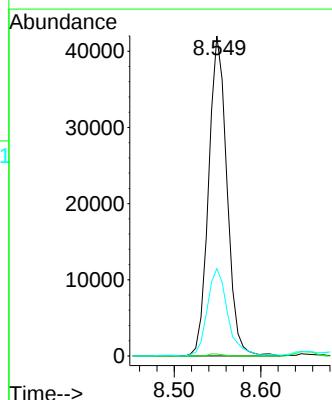
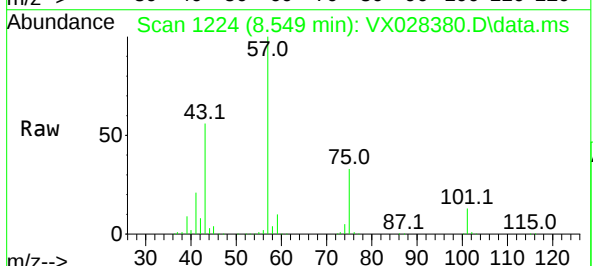
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

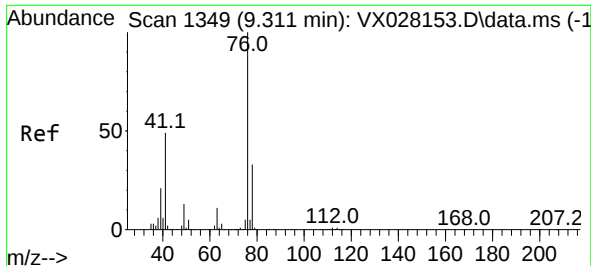
Tgt Ion: 43 Resp: 112075
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.344 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 75 Resp: 61711
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 27.3 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.348 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028380.D

Acq: 27 Apr 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

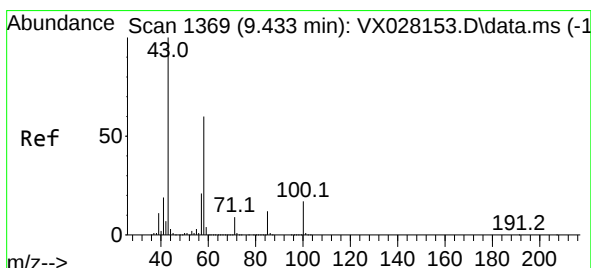
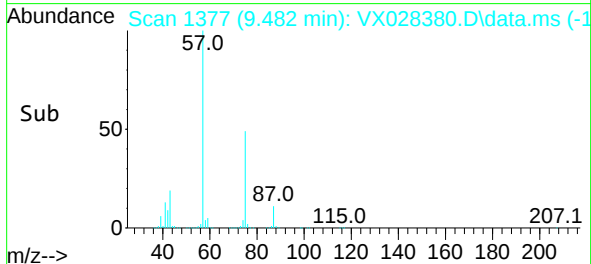
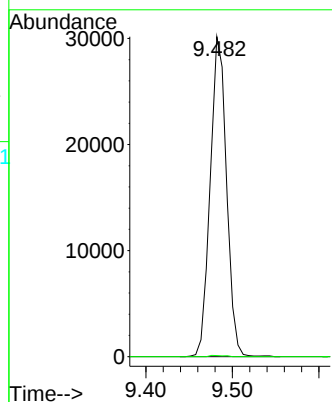
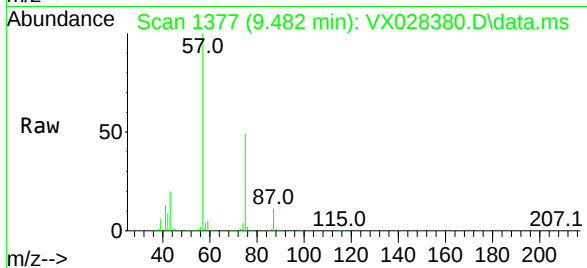
PB144390ZHE#05

Tgt Ion: 76 Resp: 39518

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 78.762 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028380.D

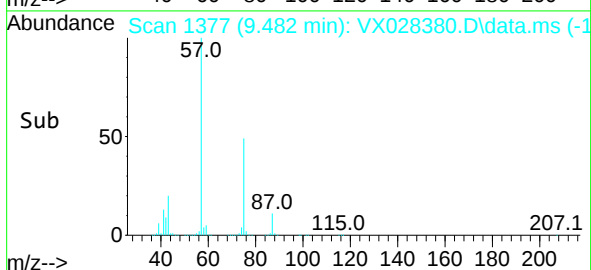
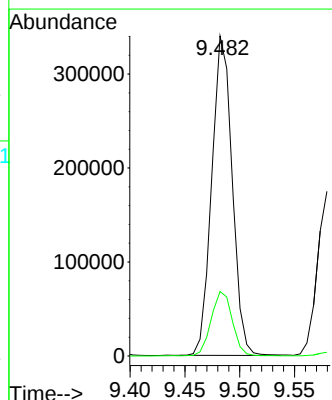
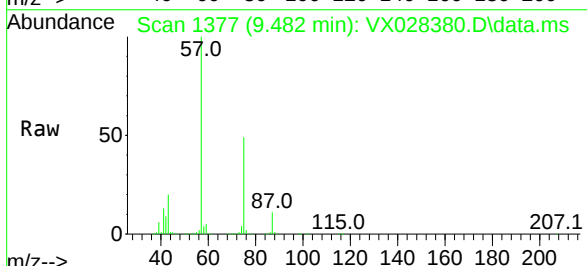
Acq: 27 Apr 2022 15:56

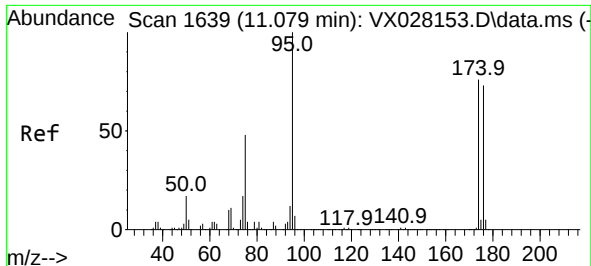
Tgt Ion: 43 Resp: 440665

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#

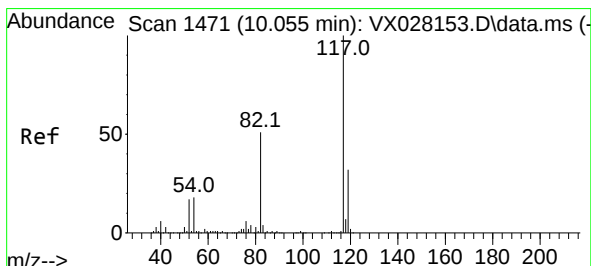
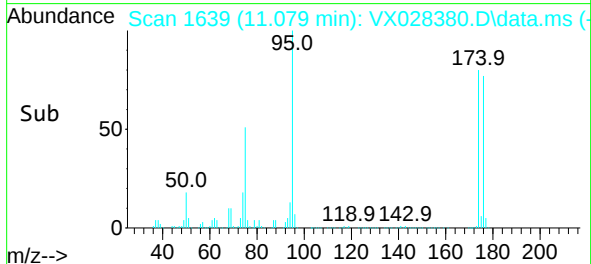
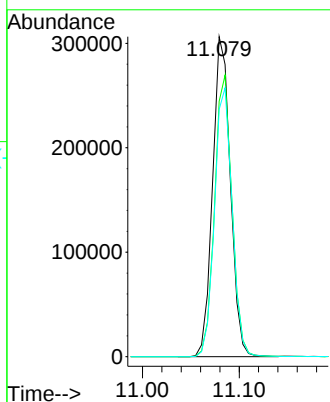
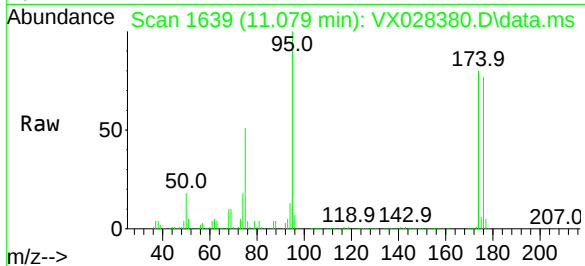




#62
4-Bromofluorobenzene
Concen: 50.757 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

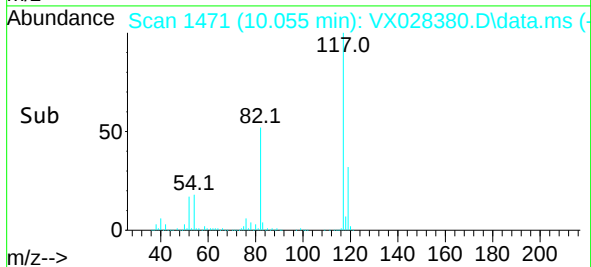
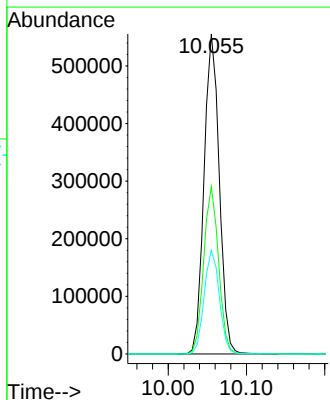
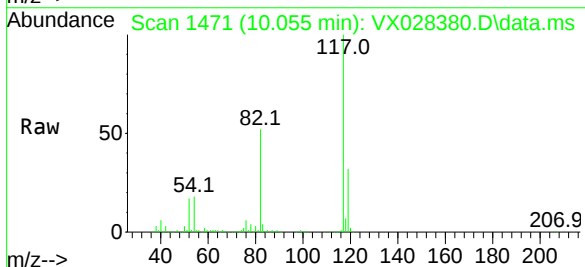
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

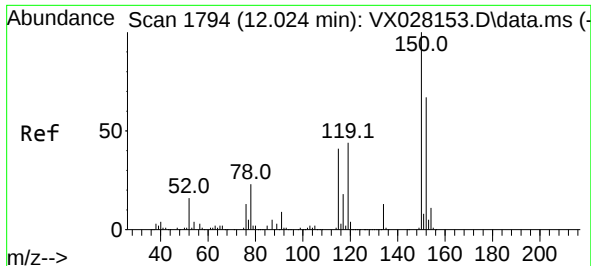
Tgt Ion: 95 Resp: 389476
Ion Ratio Lower Upper
95 100
174 86.4 0.0 163.0
176 83.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 117 Resp: 748632
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.5 24.8 37.2

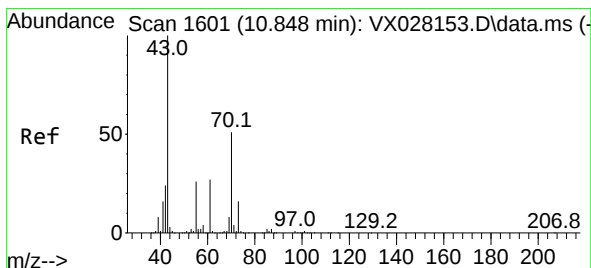
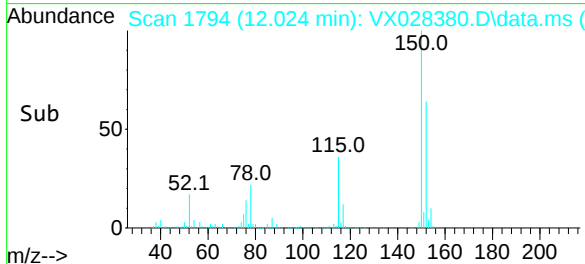
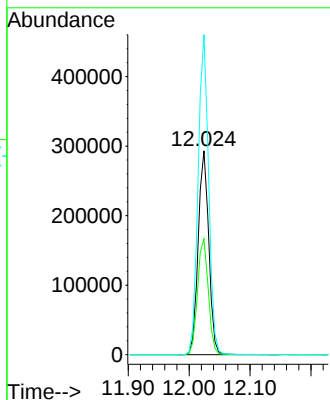
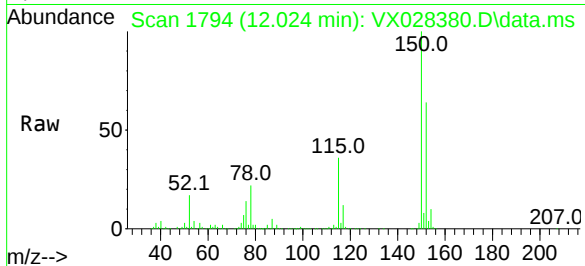




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

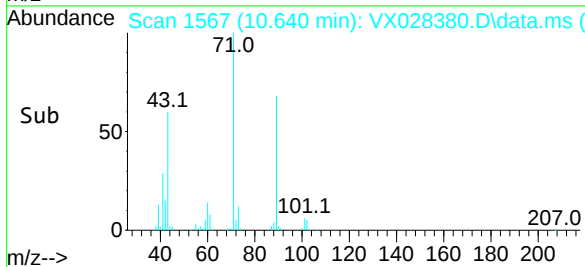
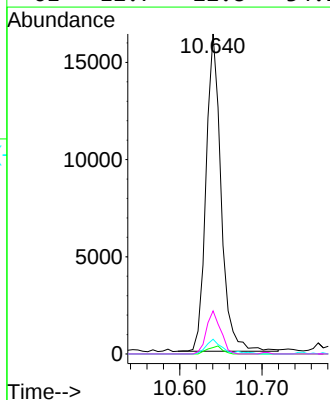
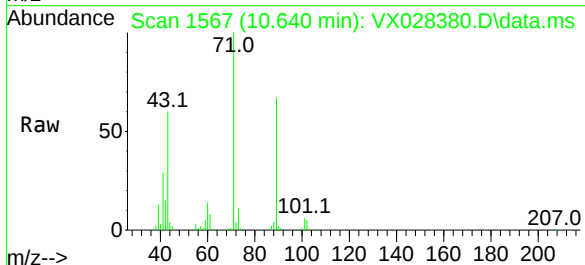
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

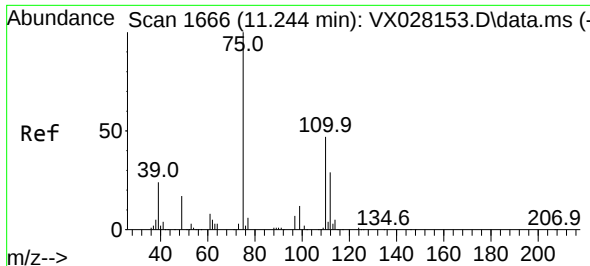
Tgt Ion:152 Resp: 353708
Ion Ratio Lower Upper
152 100
115 57.6 37.5 112.7
150 156.2 0.0 338.2



#74
N-ethyl acetate
Concen: 2.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 43 Resp: 20755
Ion Ratio Lower Upper
43 100
70 2.4 42.5 63.7#
55 4.5 23.1 34.7#
61 12.7 22.8 34.2#

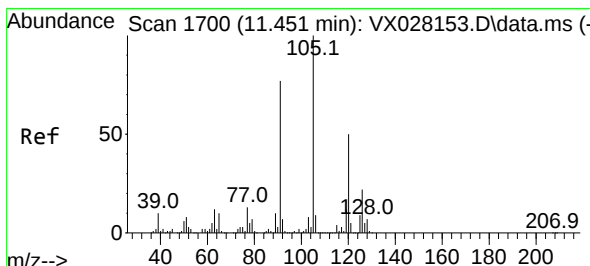
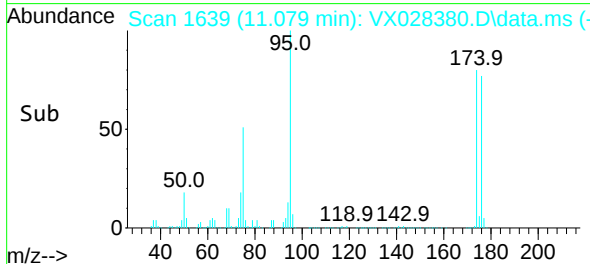
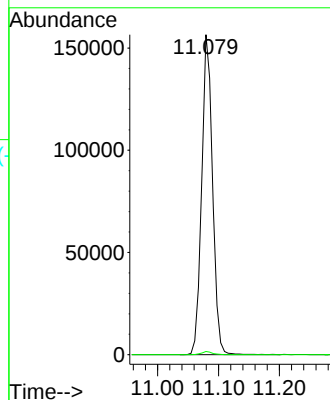
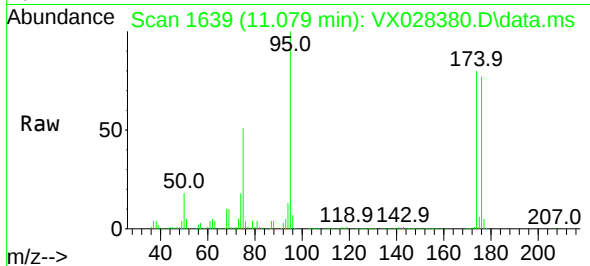




#76
1,2,3-Trichloropropane
Concen: 27.938 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

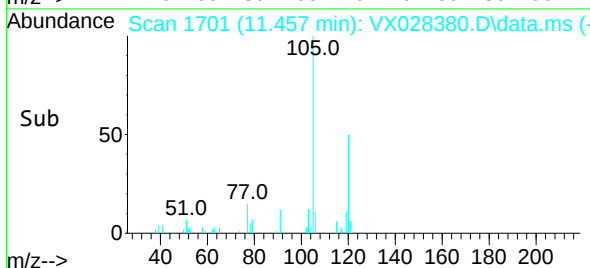
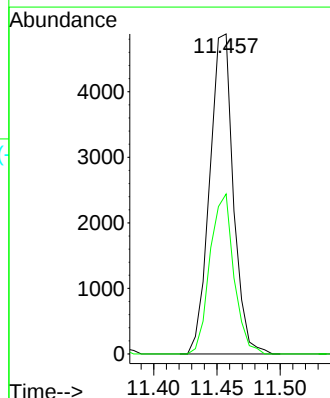
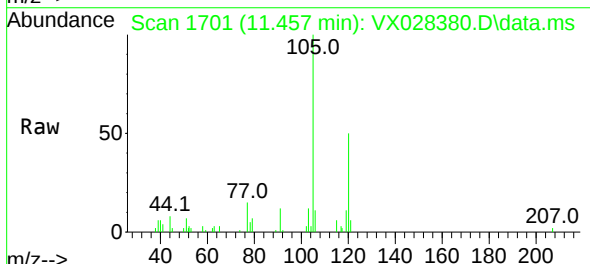
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#05

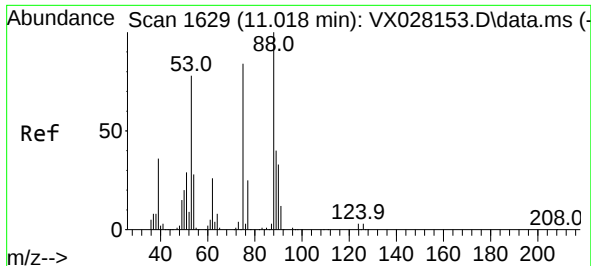
Tgt Ion: 75 Resp: 194482
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.308 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX028380.D
Acq: 27 Apr 2022 15:56

Tgt Ion: 105 Resp: 6352
Ion Ratio Lower Upper
105 100
120 50.4 24.3 72.9

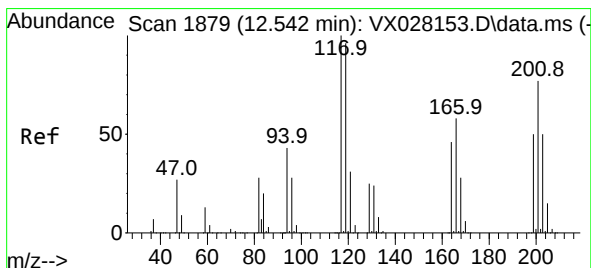
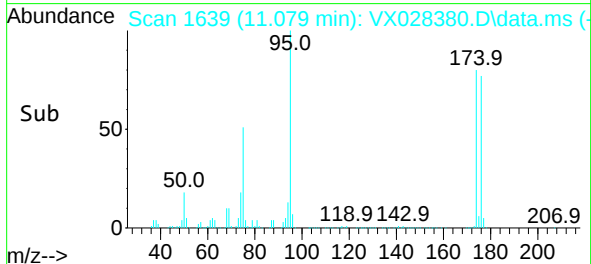
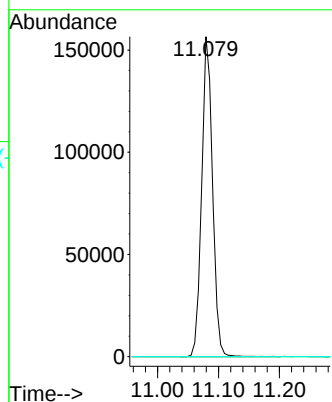
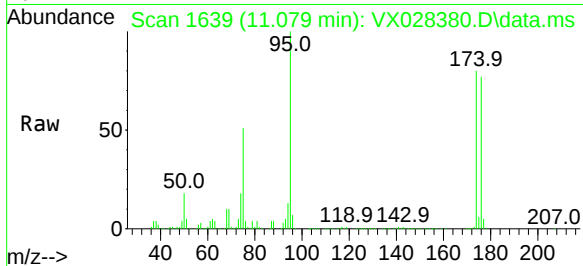




#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.024 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028380.D
 Acq: 27 Apr 2022 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144390ZHE#05

Tgt Ion: 75 Resp: 194482
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#



#90
 Hexachloroethane
 Concen: 1.819 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.207 min
 Lab File: VX028380.D
 Acq: 27 Apr 2022 15:56

Tgt Ion: 117 Resp: 23
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

