

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028450.D
 Acq On : 30 Apr 2022 02:17
 Operator : JC/MD
 Sample : PB144452ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#05

Quant Time: Apr 30 09:22:18 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)

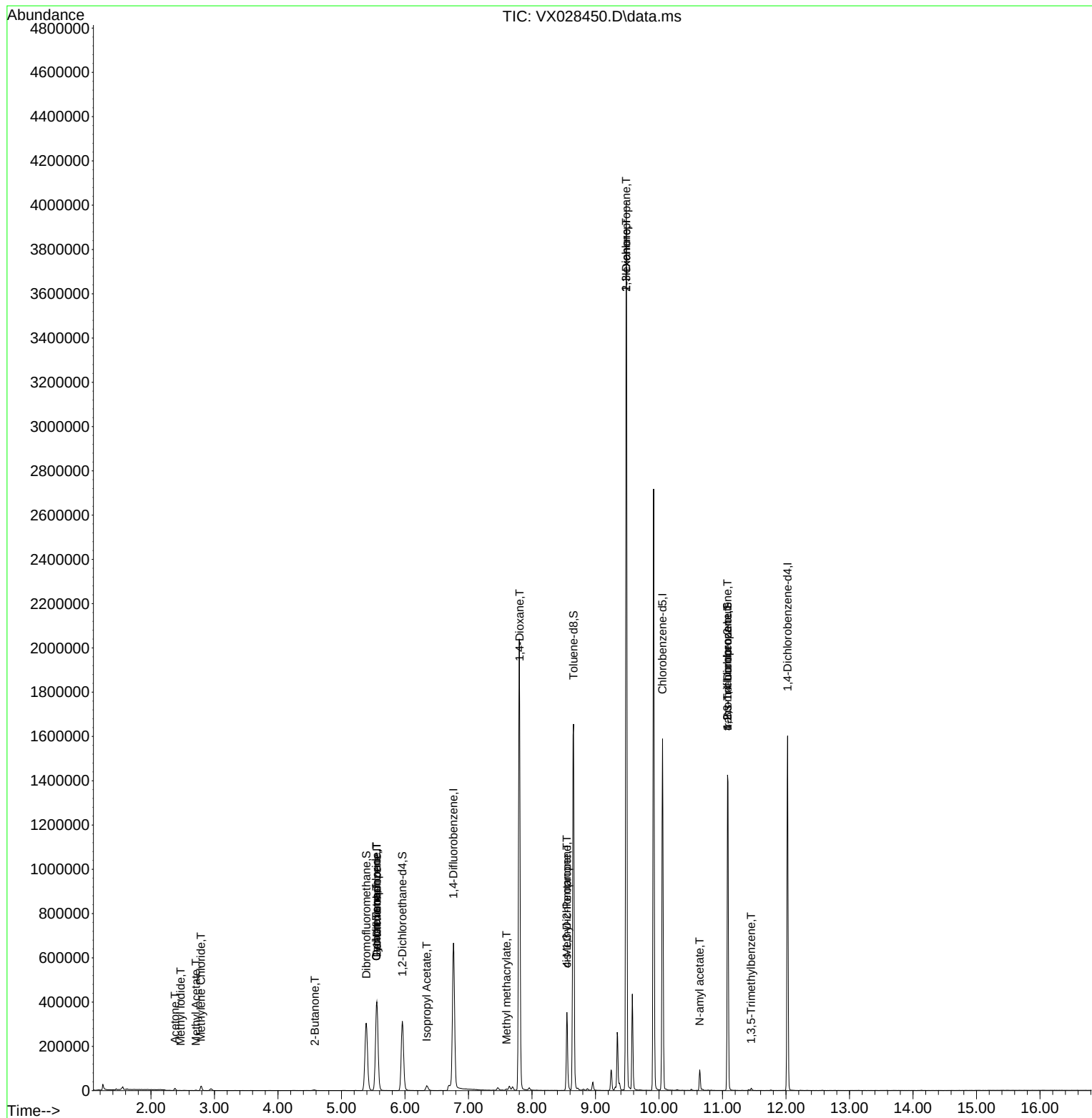
Internal Standards						
1) Pentafluorobenzene	5.556	168	388419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	694773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	717815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	333018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	299574	59.151	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 118.300%			
35) Dibromofluoromethane	5.391	113	264864	54.360	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.720%			
50) Toluene-d8	8.653	98	1027721	54.918	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.840%			
62) 4-Bromofluorobenzene	11.079	95	380940	53.238	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	287	Below Cal	#	86
5) Bromomethane	1.612	94	1040	Below Cal	#	64
6) Chloroethane	1.782	64	223	Below Cal	#	43
10) Methyl Iodide	2.465	142	565	5.352	ug/l #	92
11) Tert butyl alcohol	2.947	59	4736	Below Cal	#	76
16) Acetone	2.380	43	10055	5.133	ug/l	98
18) Methyl Acetate	2.709	43	2237	0.497	ug/l	98
20) Methylene Chloride	2.788	84	9246	2.460	ug/l	91
25) 2-Butanone	4.581	43	3335	1.112	ug/l	90
31) Cyclohexane	5.550	56	7963	1.291	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	28668	4.511	ug/l #	50
38) Carbon Tetrachloride	5.550	117	39475	5.502	ug/l #	17
43) Isopropyl Acetate	6.342	43	29403	2.801	ug/l	98
48) Methyl methacrylate	7.598	41	7730	1.604	ug/l #	7
49) 1,4-Dioxane	7.806	88	335	2.599	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	110853	16.459	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	58154	7.422	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	38384	4.528	ug/l #	43
59) 2-Hexanone	9.482	43	430386	82.494	ug/l #	45
74) N-amyl acetate	10.640	43	19739	2.495	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	189785	28.957	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4684	0.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	189785	86.053	ug/l #	15

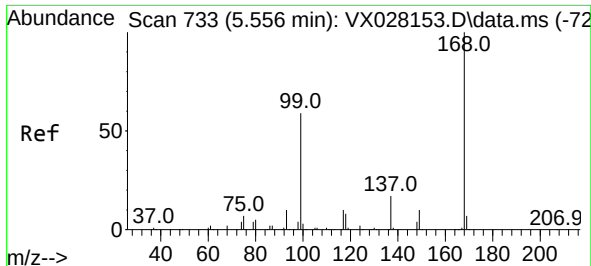
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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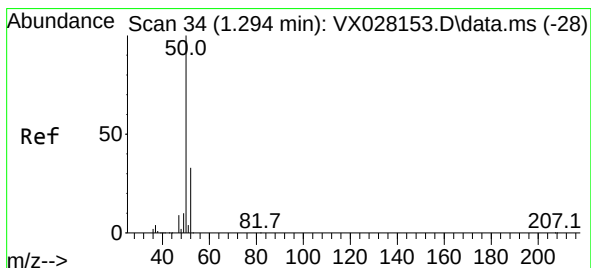
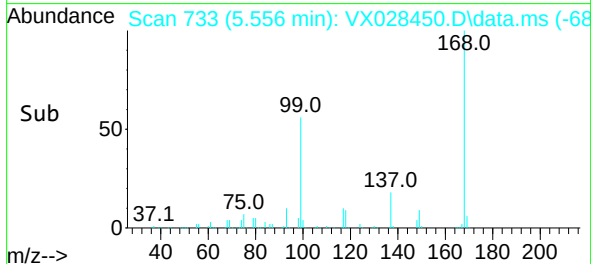
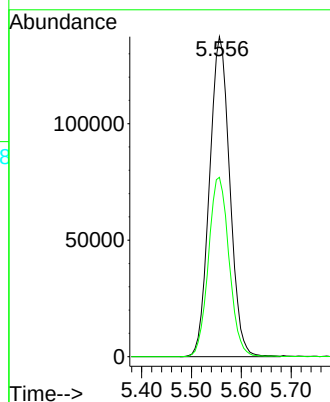
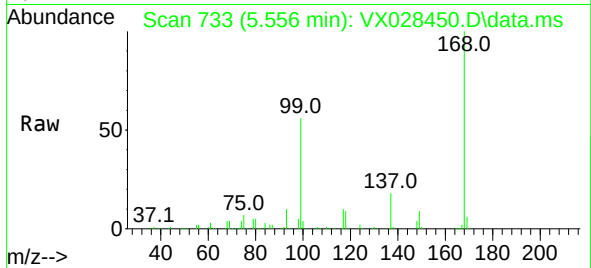




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

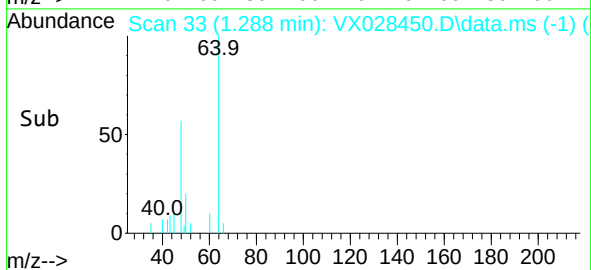
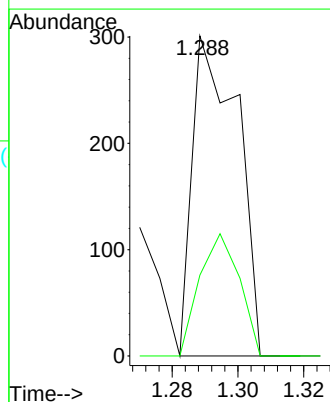
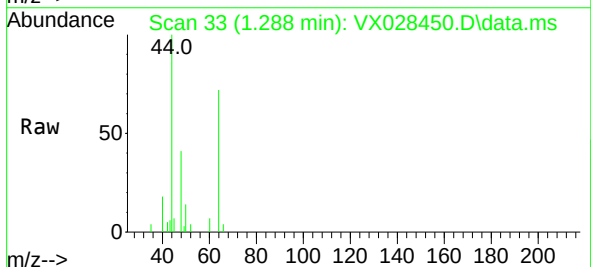
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

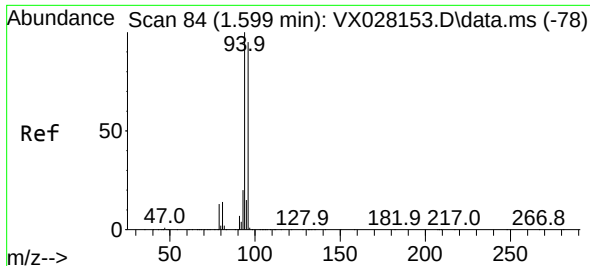
Tgt Ion:168 Resp: 388419
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 25.2 26.4 39.6#

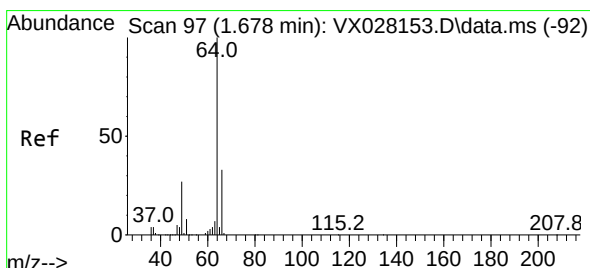
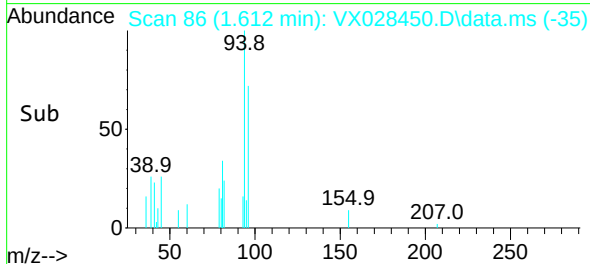
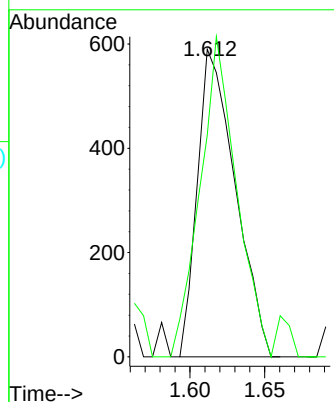
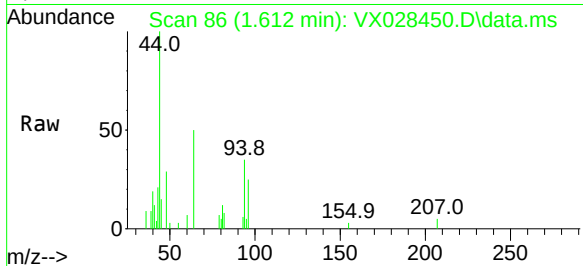




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

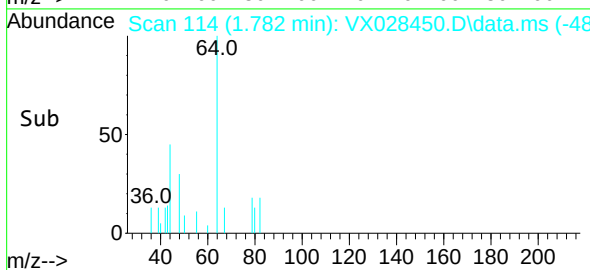
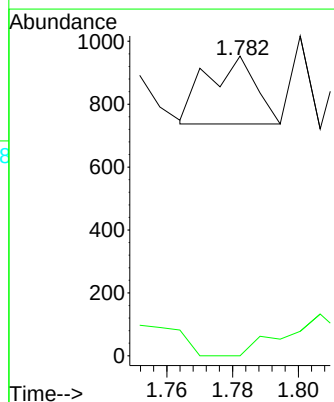
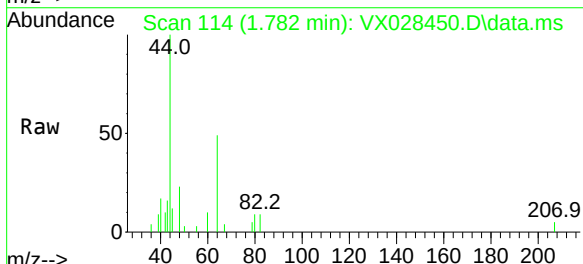
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

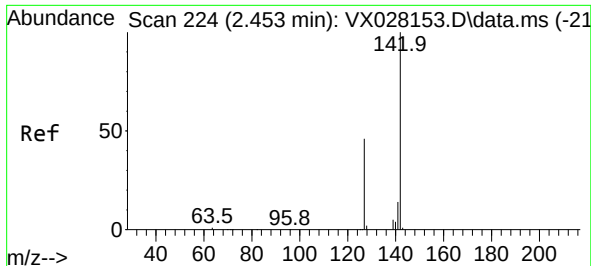
Tgt Ion: 94 Resp: 1040
Ion Ratio Lower Upper
94 100
96 59.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.782 min Scan# 114
Delta R.T. 0.104 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

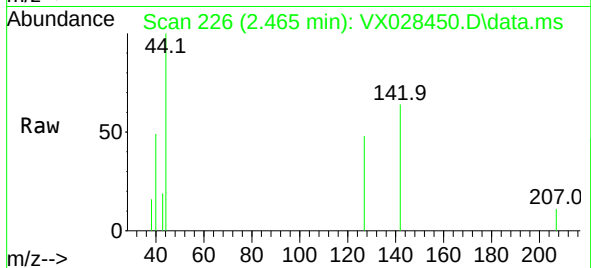
Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



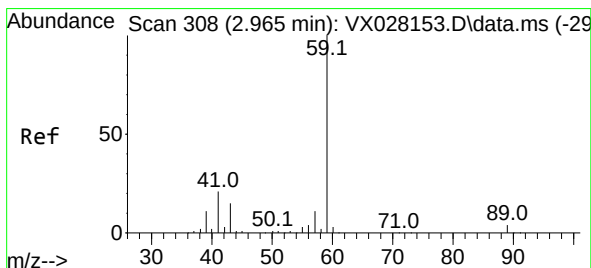
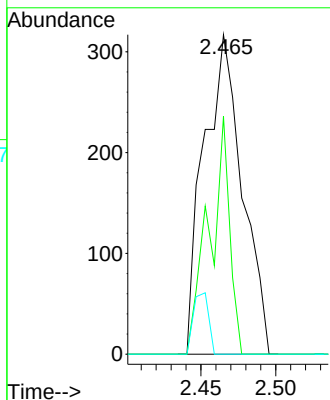
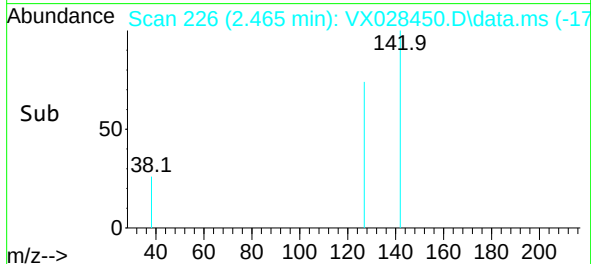


#10
Methyl Iodide
Concen: 5.352 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

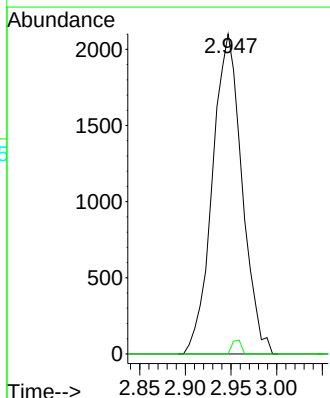
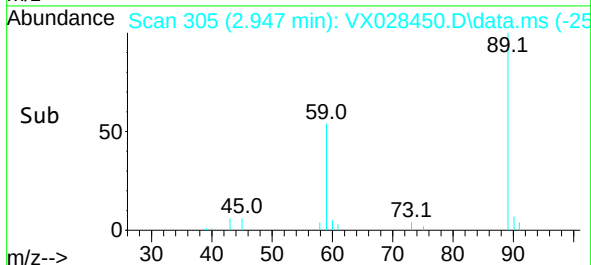
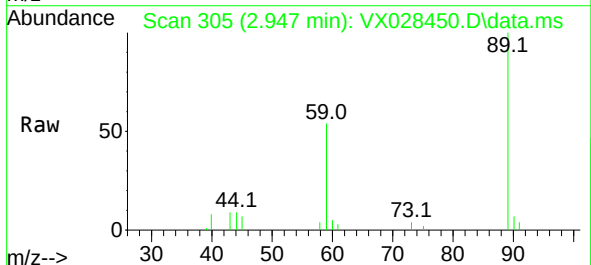


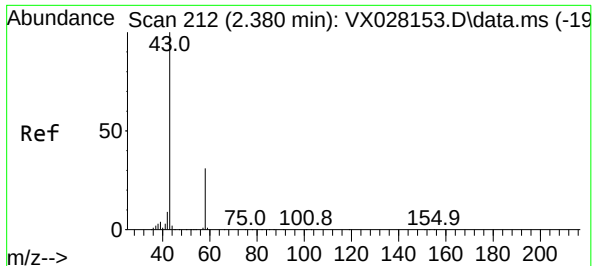
Tgt Ion:142 Resp: 565
Ion Ratio Lower Upper
142 100
127 39.5 33.9 50.9
141 7.6 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 59 Resp: 4736
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#

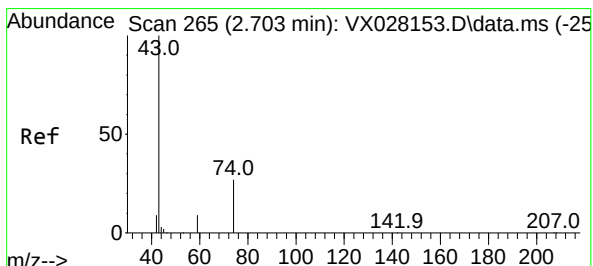
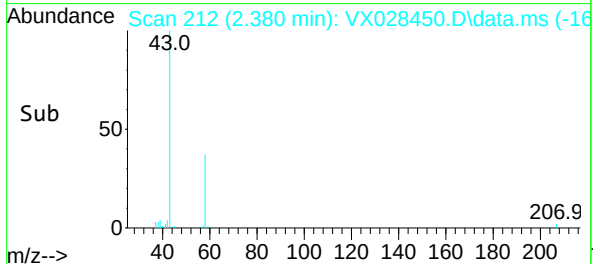
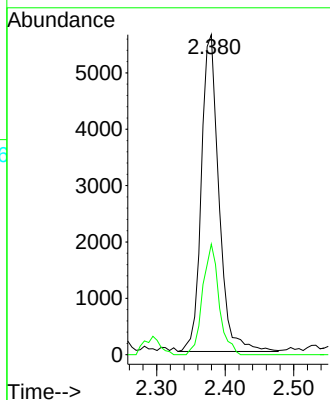
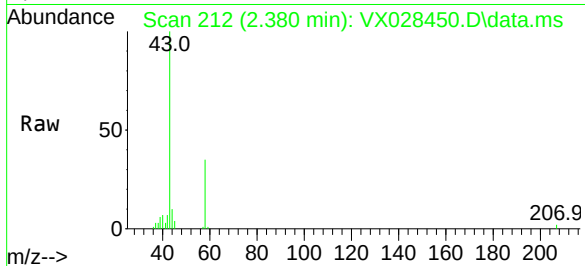




#16
Acetone
Concen: 5.133 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

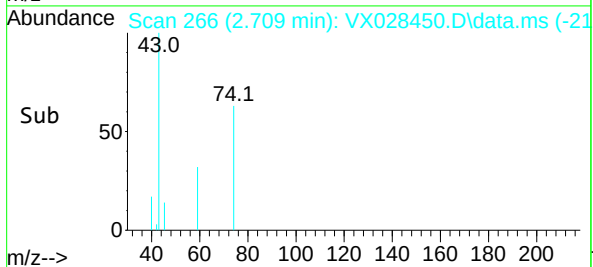
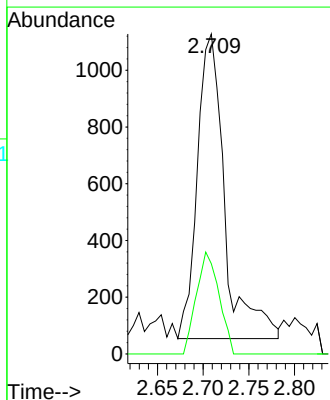
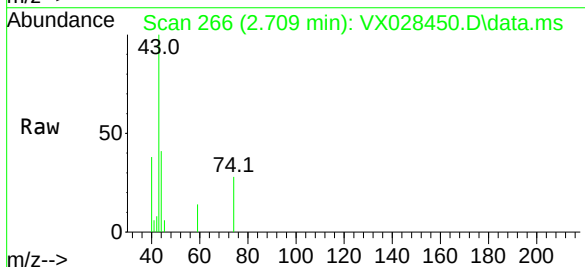
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

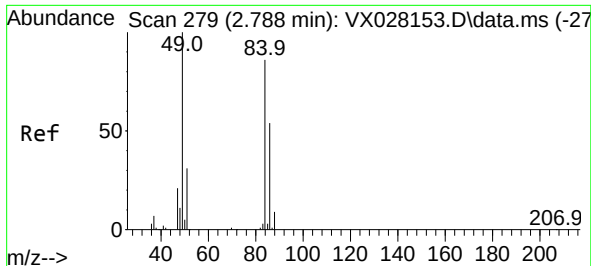
Tgt Ion: 43 Resp: 10055
Ion Ratio Lower Upper
43 100
58 34.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.497 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
74 27.6 22.8 34.2





#20

Methylene Chloride

Concen: 2.460 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028450.D

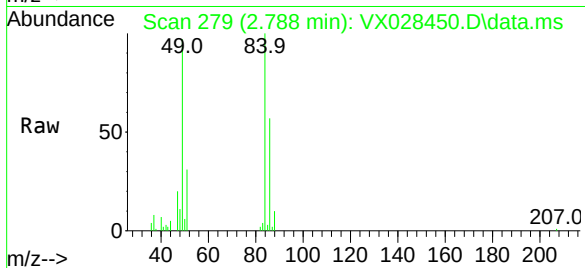
Acq: 30 Apr 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#05



Tgt Ion: 84 Resp: 9246

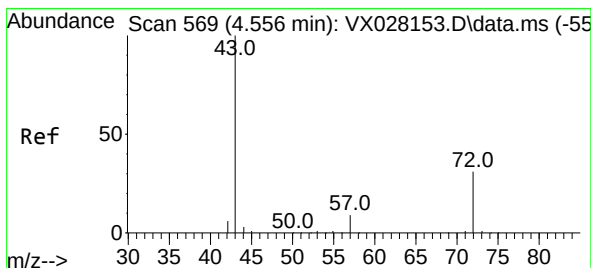
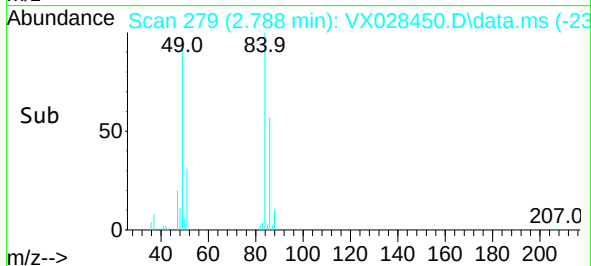
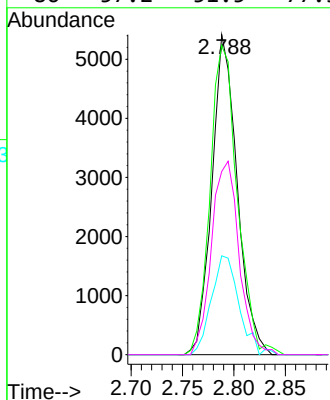
Ion Ratio Lower Upper

84 100

49 96.7 85.5 128.3

51 30.9 26.6 39.8

86 57.2 51.5 77.3



#25

2-Butanone

Concen: 1.112 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.025 min

Lab File: VX028450.D

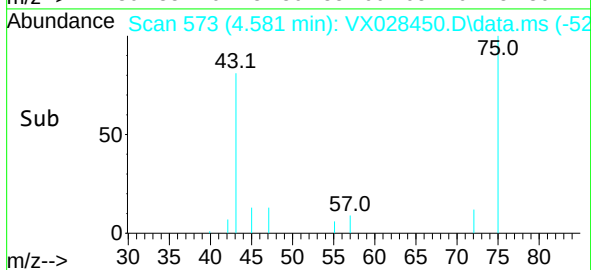
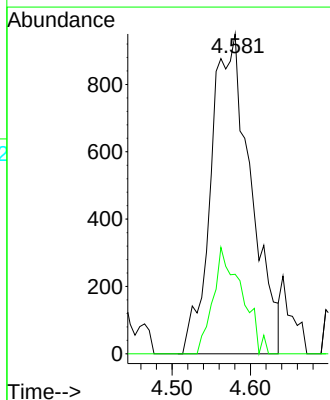
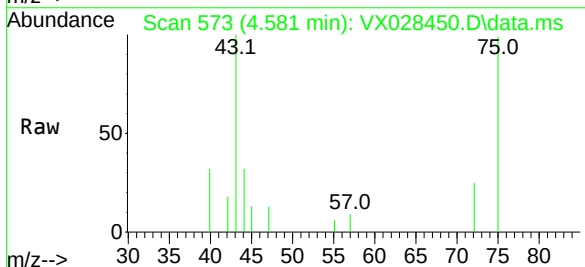
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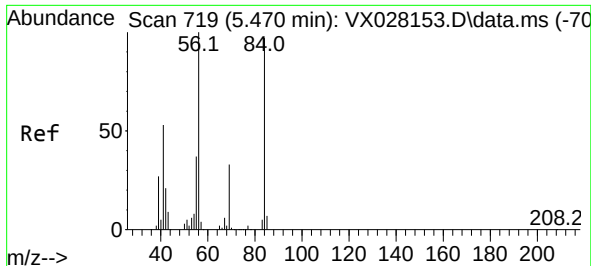
Tgt Ion: 43 Resp: 3335

Ion Ratio Lower Upper

43 100

72 24.8 24.4 36.6

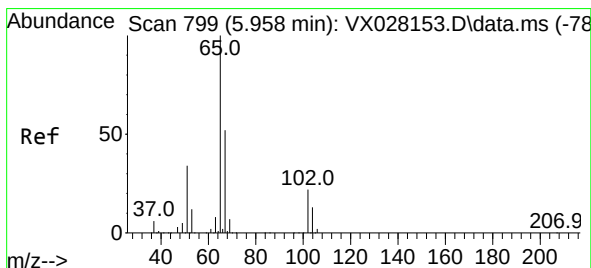
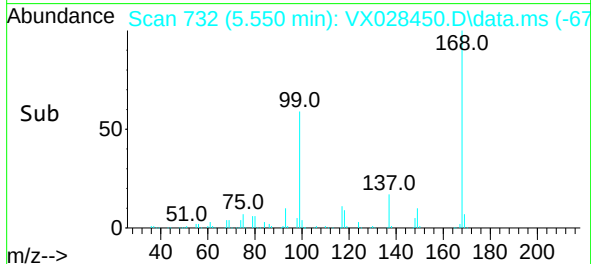
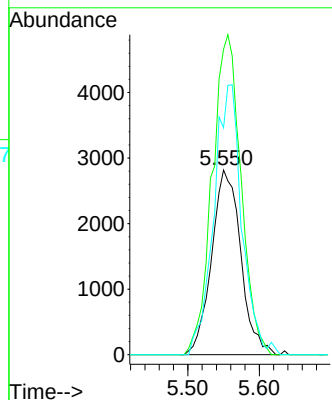
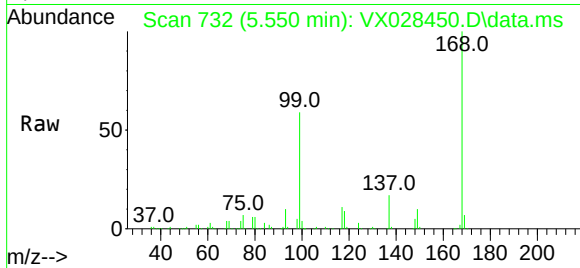




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

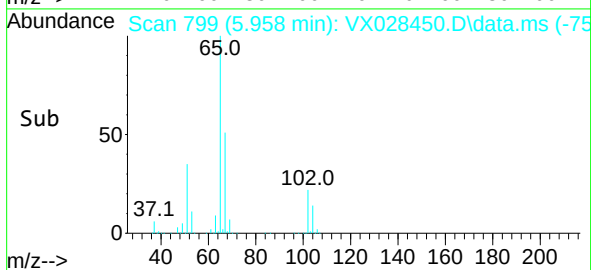
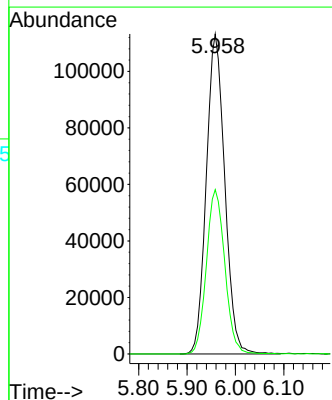
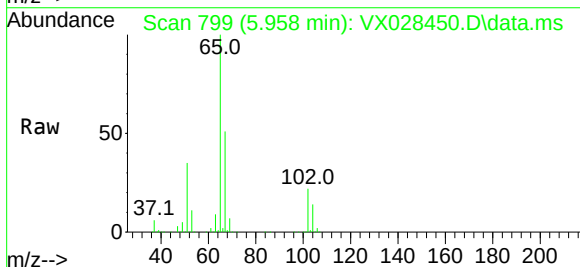
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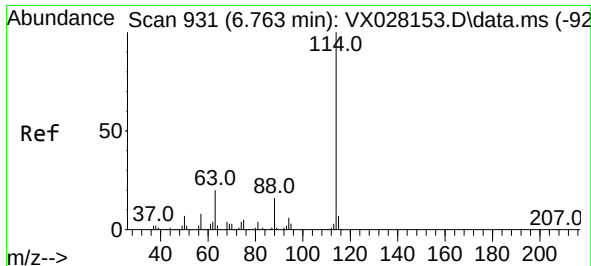
Tgt Ion: 56 Resp: 7963
Ion Ratio Lower Upper
56 100
69 165.3 26.7 40.1#
84 122.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 59.151 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 65 Resp: 299574
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

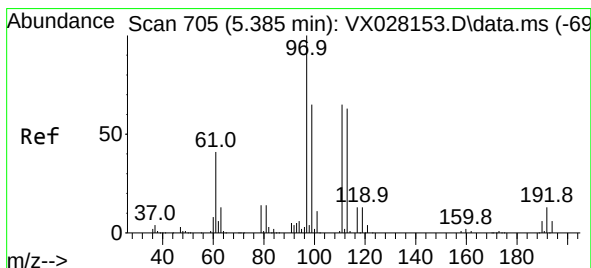
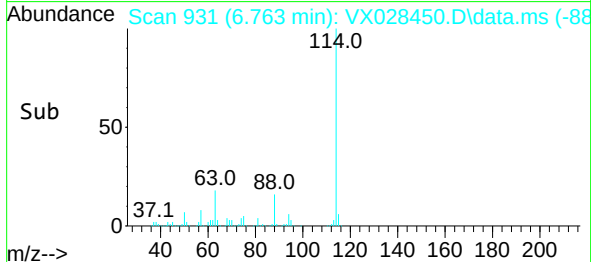
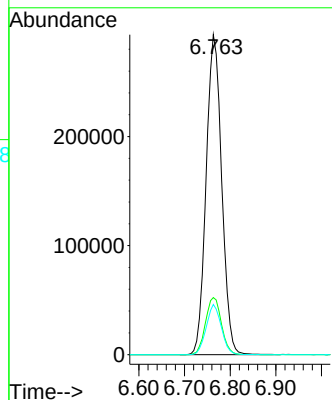
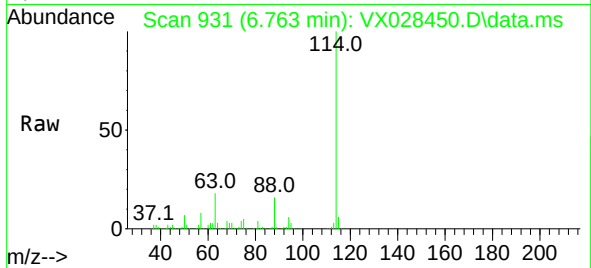




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX028450.D
 Acq: 30 Apr 2022 02:17

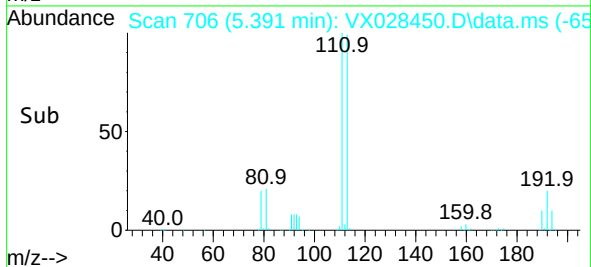
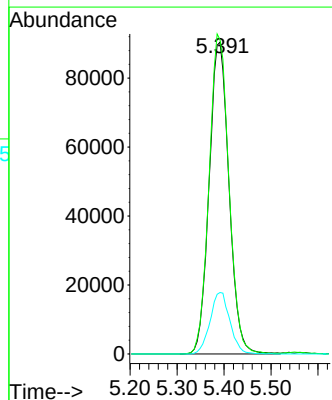
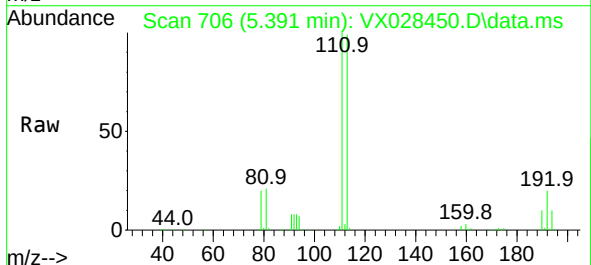
Instrument :
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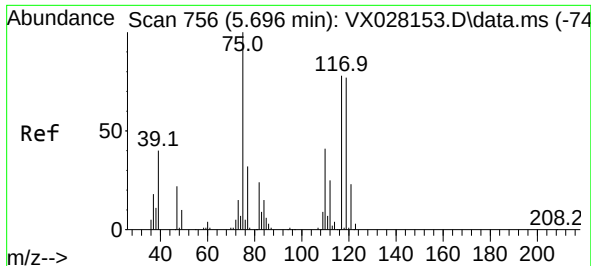
Tgt Ion:114 Resp: 694773
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.8
 88 15.7 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 54.360 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX028450.D
 Acq: 30 Apr 2022 02:17

Tgt Ion:113 Resp: 264864
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 19.7 16.9 25.3

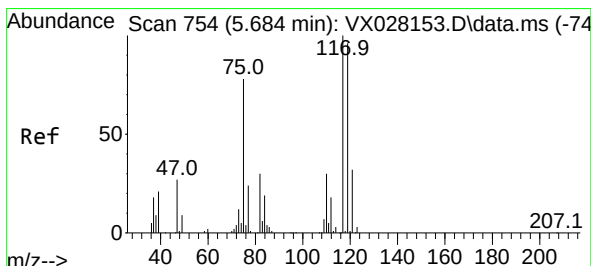
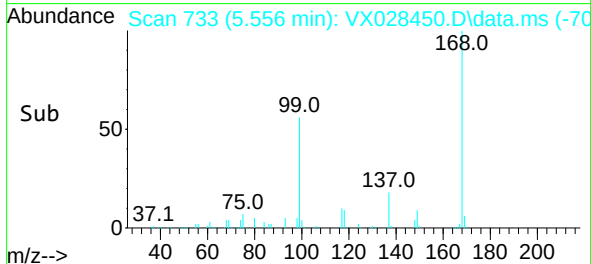
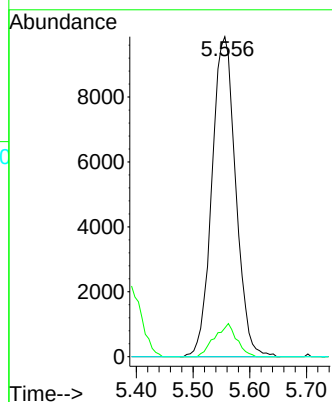
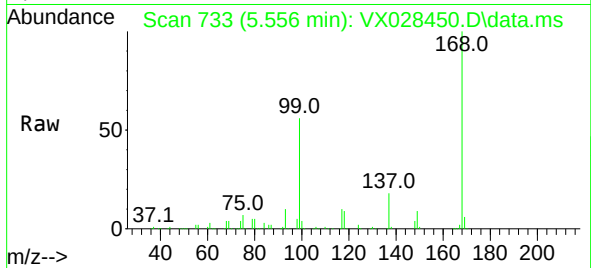




#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

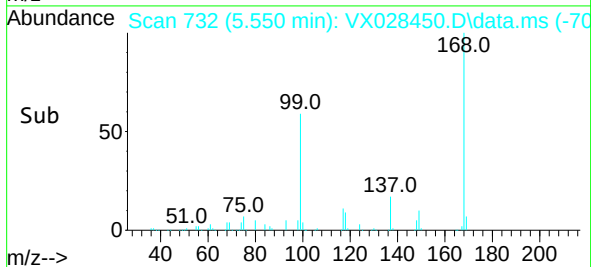
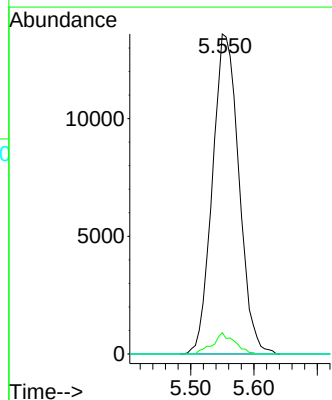
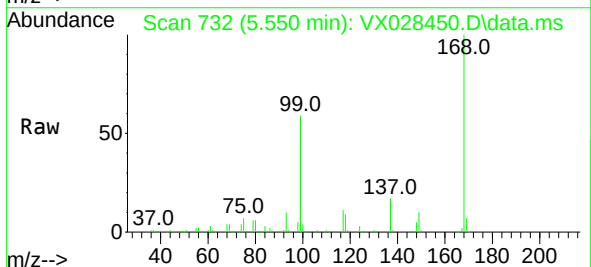
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

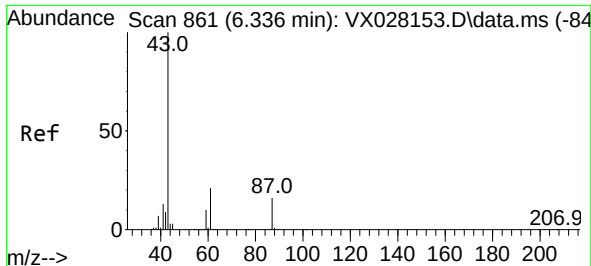
Tgt Ion: 75 Resp: 28668
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.502 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 117 Resp: 39475
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 24.2 36.2#

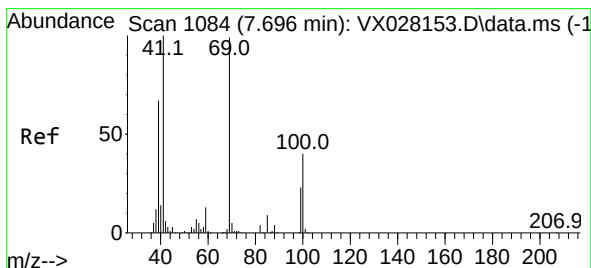
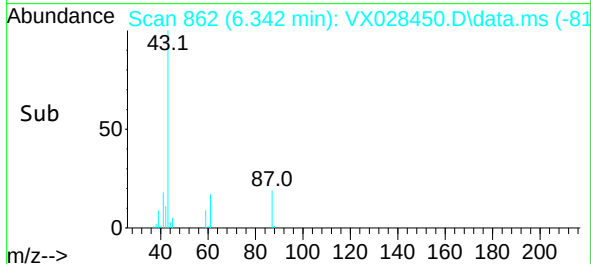
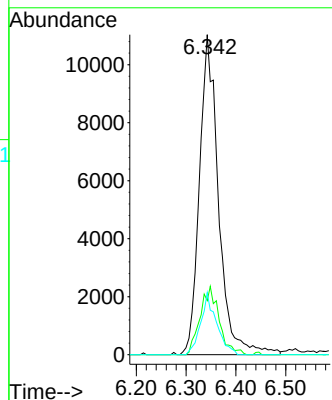
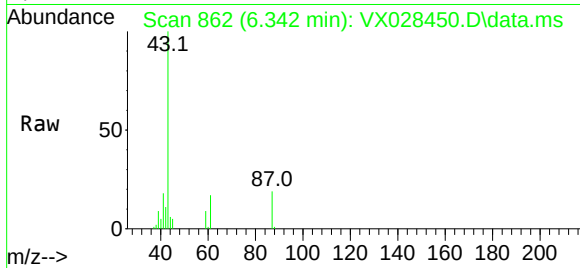




#43
Isopropyl Acetate
Concen: 2.801 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

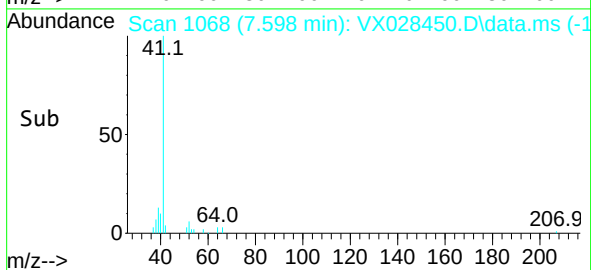
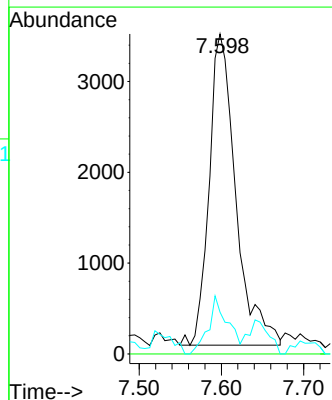
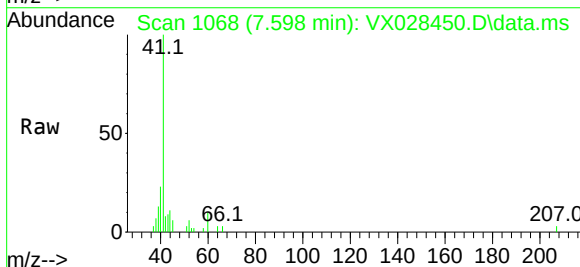
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

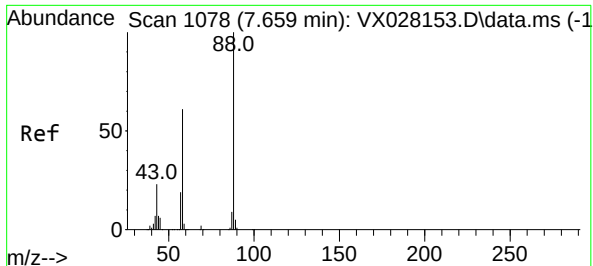
Tgt Ion: 43 Resp: 29403
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 16.1 13.0 19.6



#48
Methyl methacrylate
Concen: 1.604 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 41 Resp: 7730
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: 2.599 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.147 min

Lab File: VX028450.D

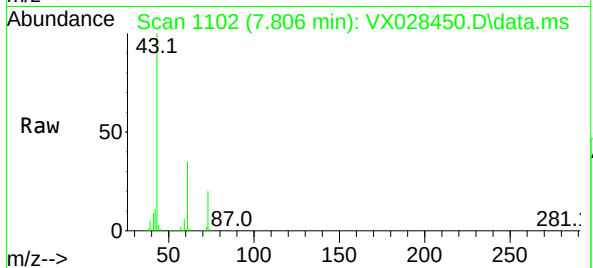
Acq: 30 Apr 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#05



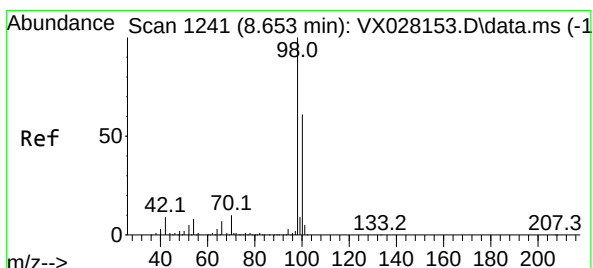
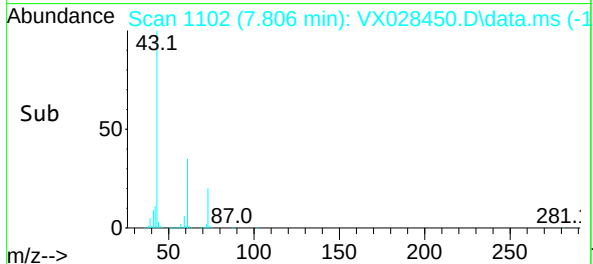
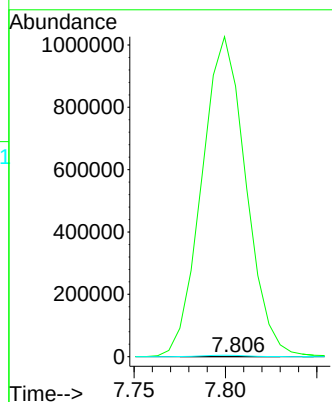
Tgt Ion: 88 Resp: 335

Ion Ratio Lower Upper

88 100

43 518921.8 21.9 32.9#

58 2486.0 53.7 80.5#



#50

Toluene-d8

Concen: 54.918 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028450.D

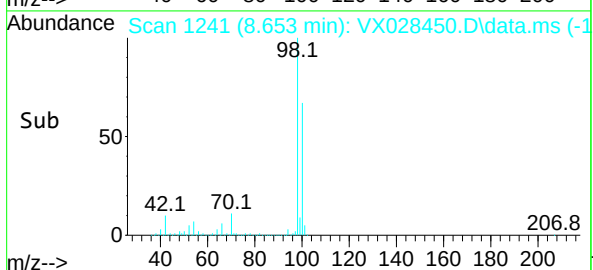
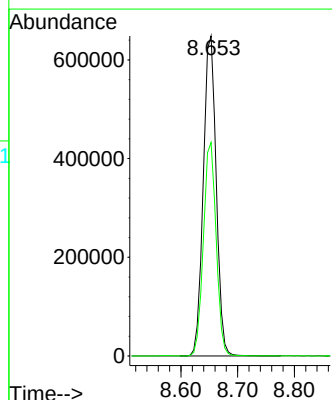
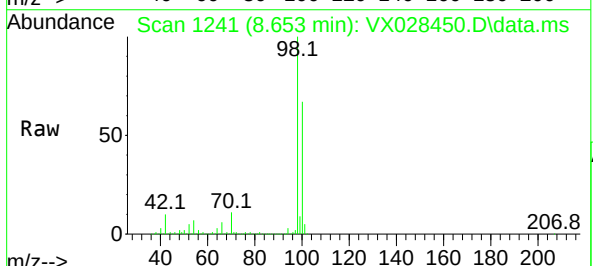
Acq: 30 Apr 2022 02:17

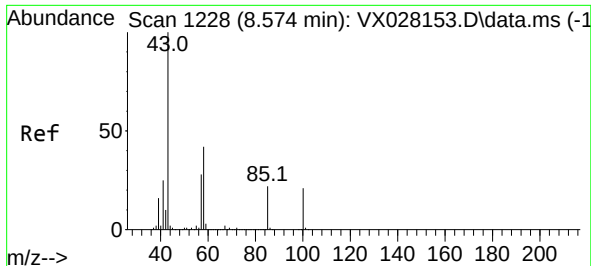
Tgt Ion: 98 Resp: 1027721

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.459 ug/l

RT: 8.549 min Scan# 110853

Delta R.T. -0.025 min

Lab File: VX028450.D

Acq: 30 Apr 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

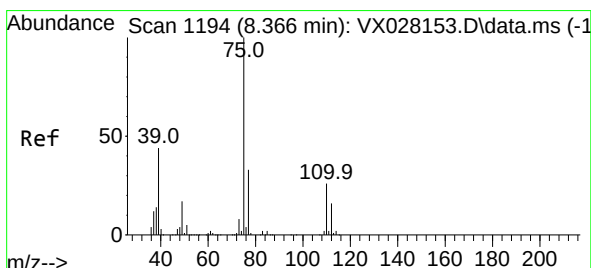
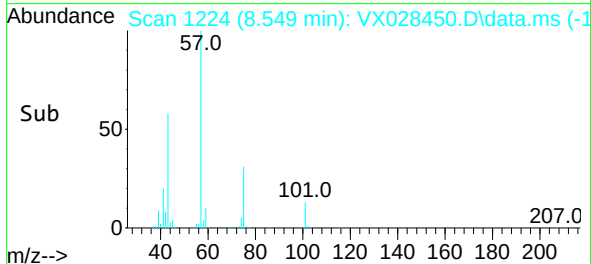
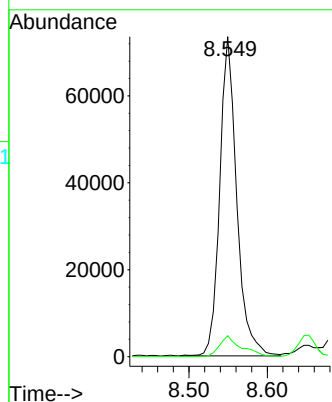
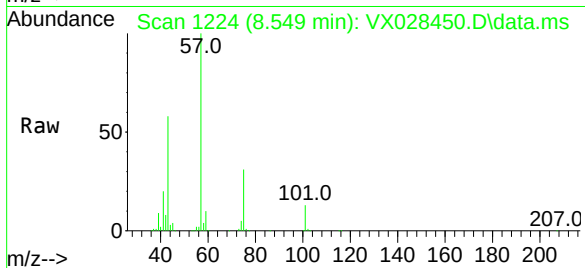
PB144452ZHE#05

Tgt Ion: 43 Resp: 110853

Ion Ratio Lower Upper

43 100

58 8.5 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.422 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028450.D

Acq: 30 Apr 2022 02:17

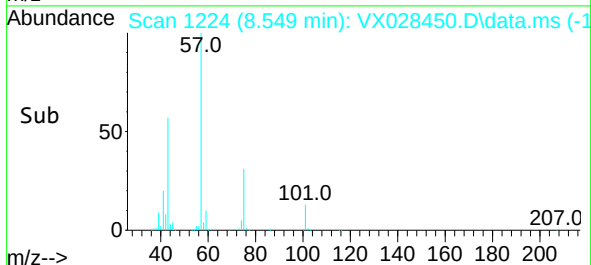
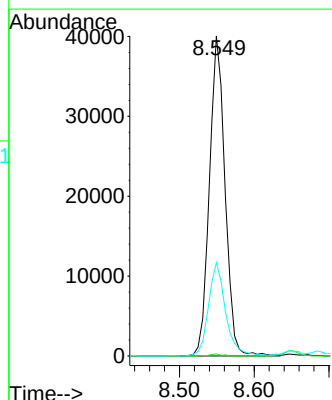
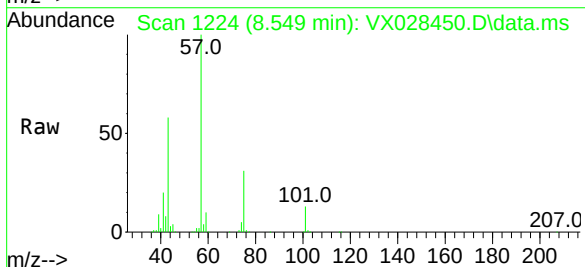
Tgt Ion: 75 Resp: 58154

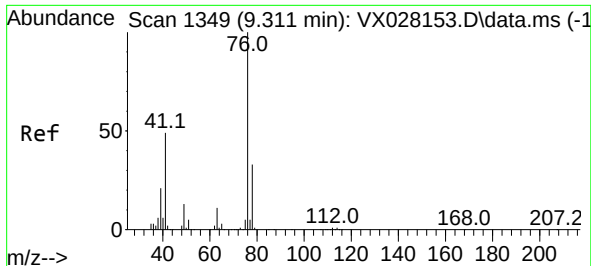
Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

39 29.2 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.528 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028450.D

Acq: 30 Apr 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

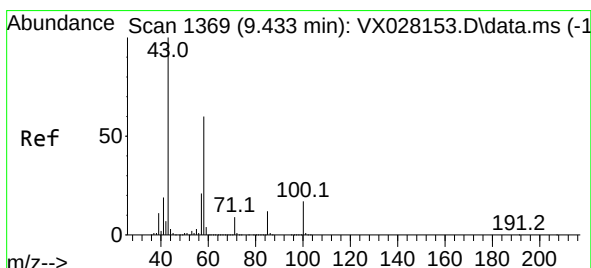
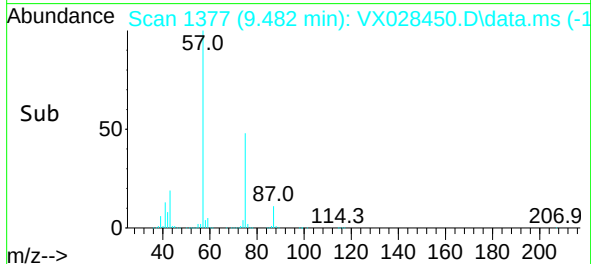
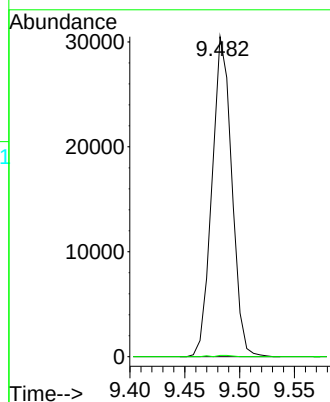
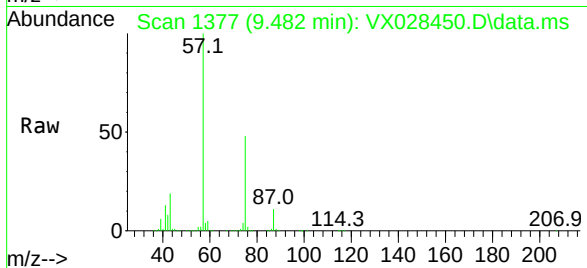
PB144452ZHE#05

Tgt Ion: 76 Resp: 38384

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 82.494 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028450.D

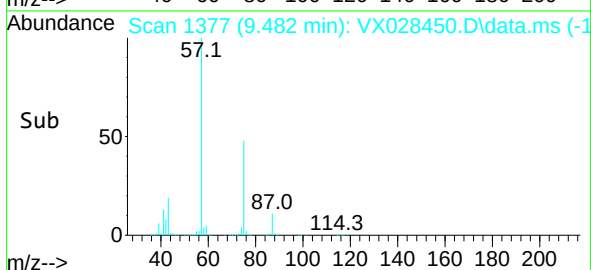
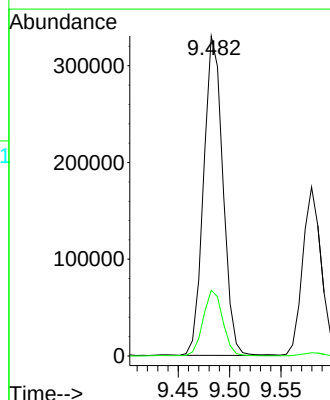
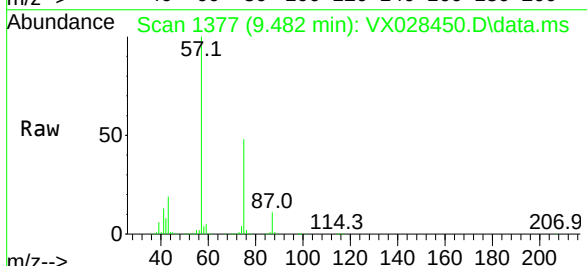
Acq: 30 Apr 2022 02:17

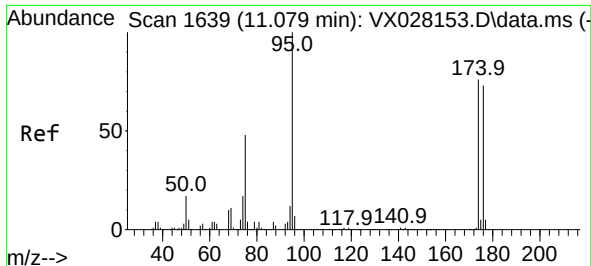
Tgt Ion: 43 Resp: 430386

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#

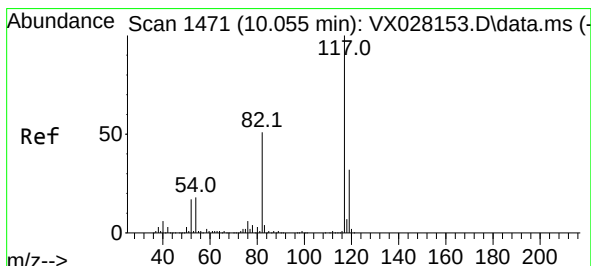
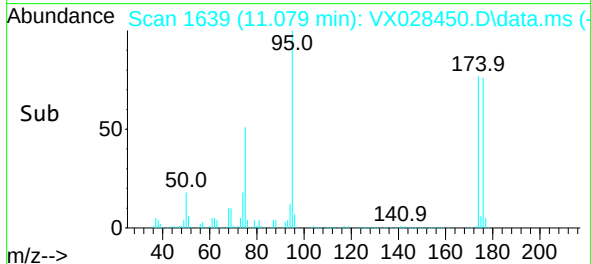
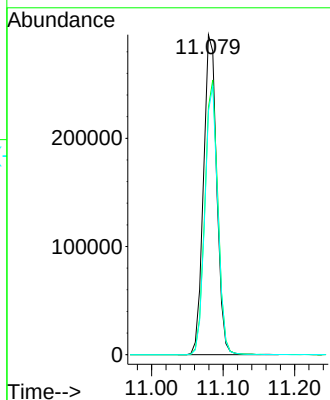
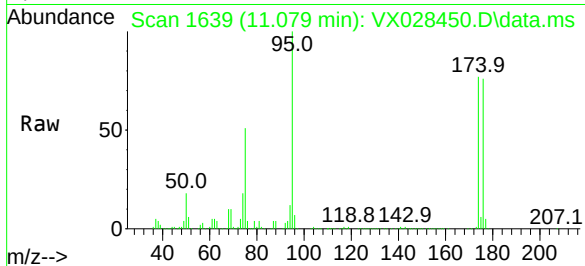




#62
4-Bromofluorobenzene
Concen: 53.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

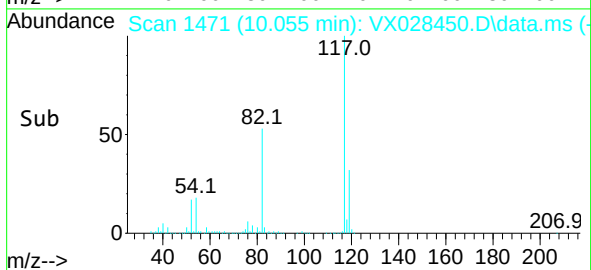
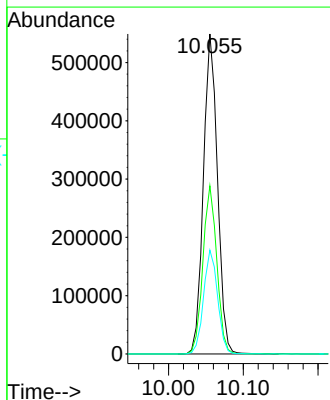
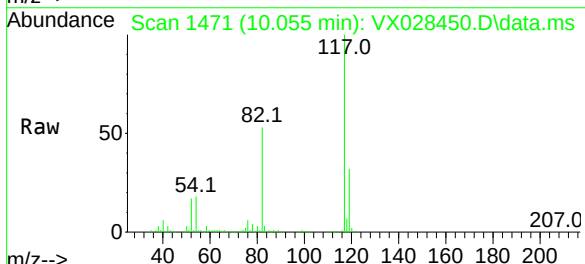
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

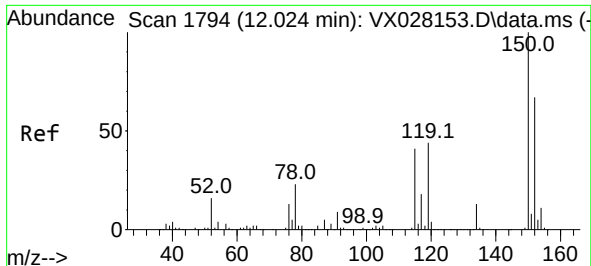
Tgt Ion: 95 Resp: 380940
Ion Ratio Lower Upper
95 100
174 84.6 0.0 163.0
176 82.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 117 Resp: 717815
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.4 24.8 37.2

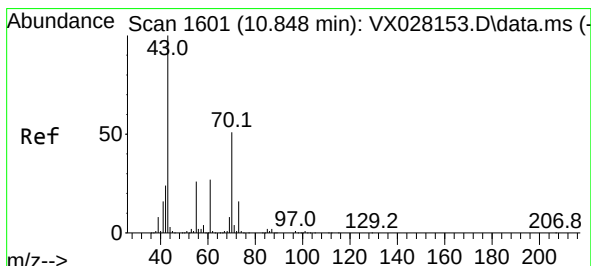
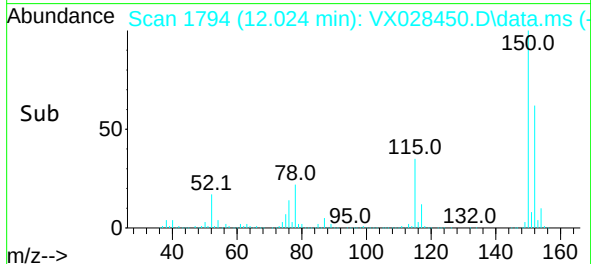
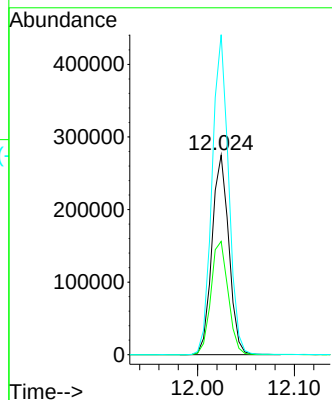
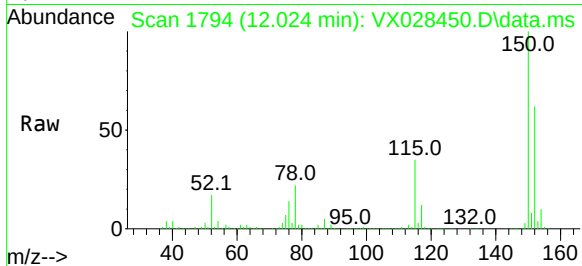




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

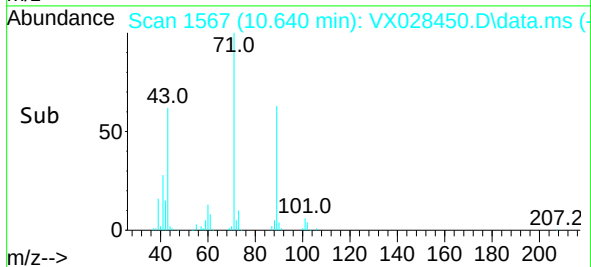
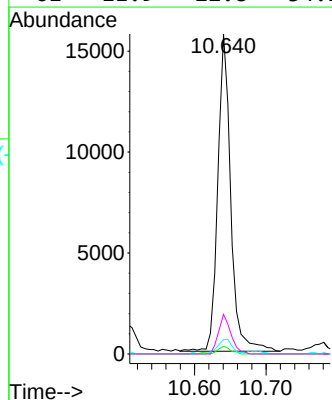
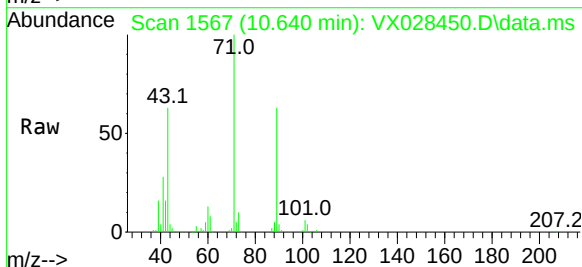
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#05

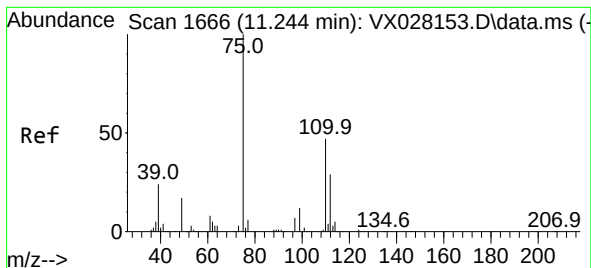
Tgt Ion:152 Resp: 333018
Ion Ratio Lower Upper
152 100
115 58.0 37.5 112.7
150 157.3 0.0 338.2



#74
N-ethyl acetate
Concen: 2.495 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028450.D
Acq: 30 Apr 2022 02:17

Tgt Ion: 43 Resp: 19739
Ion Ratio Lower Upper
43 100
70 2.5 42.5 63.7#
55 5.3 23.1 34.7#
61 11.9 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.957 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028450.D

Acq: 30 Apr 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

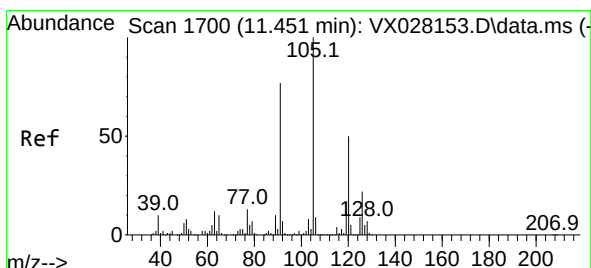
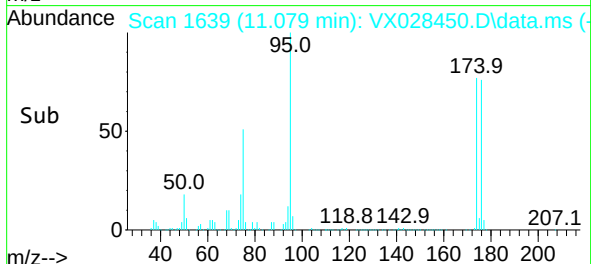
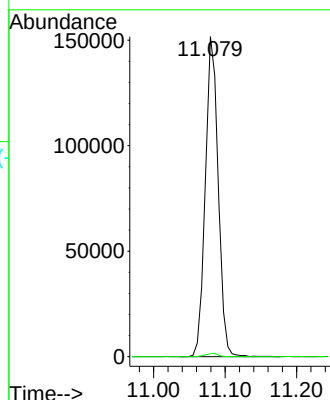
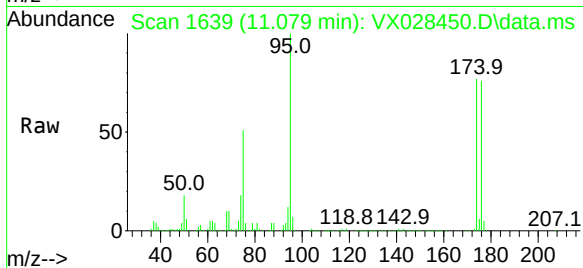
PB144452ZHE#05

Tgt Ion: 75 Resp: 189785

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX028450.D

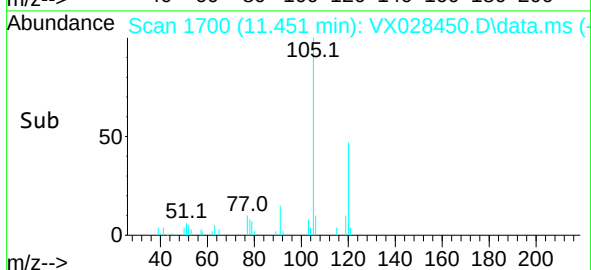
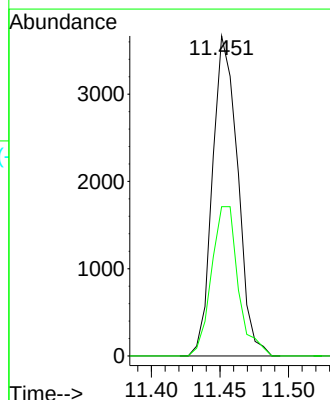
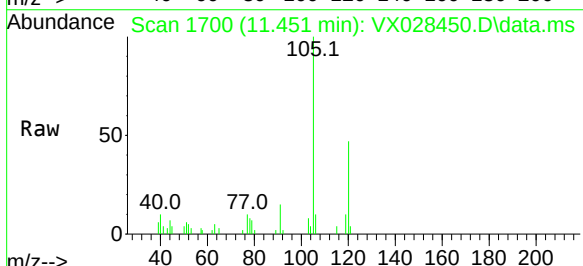
Acq: 30 Apr 2022 02:17

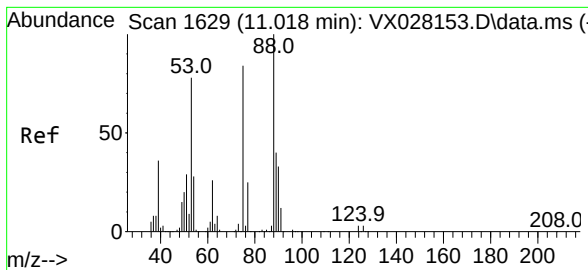
Tgt Ion:105 Resp: 4684

Ion Ratio Lower Upper

105 100

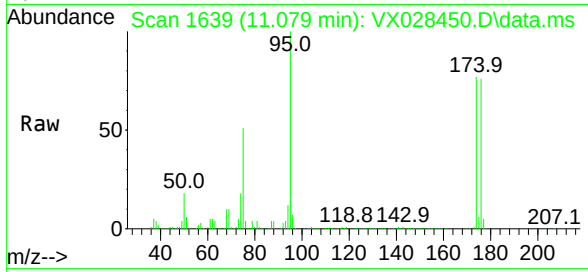
120 49.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.053 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028450.D
 Acq: 30 Apr 2022 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#05



Tgt Ion: 75 Resp: 189785
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

