

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028175.D
 Acq On : 19 Apr 2022 21:39
 Operator : JC/MD
 Sample : PB144164ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#05

Quant Time: Apr 20 08:19:33 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)

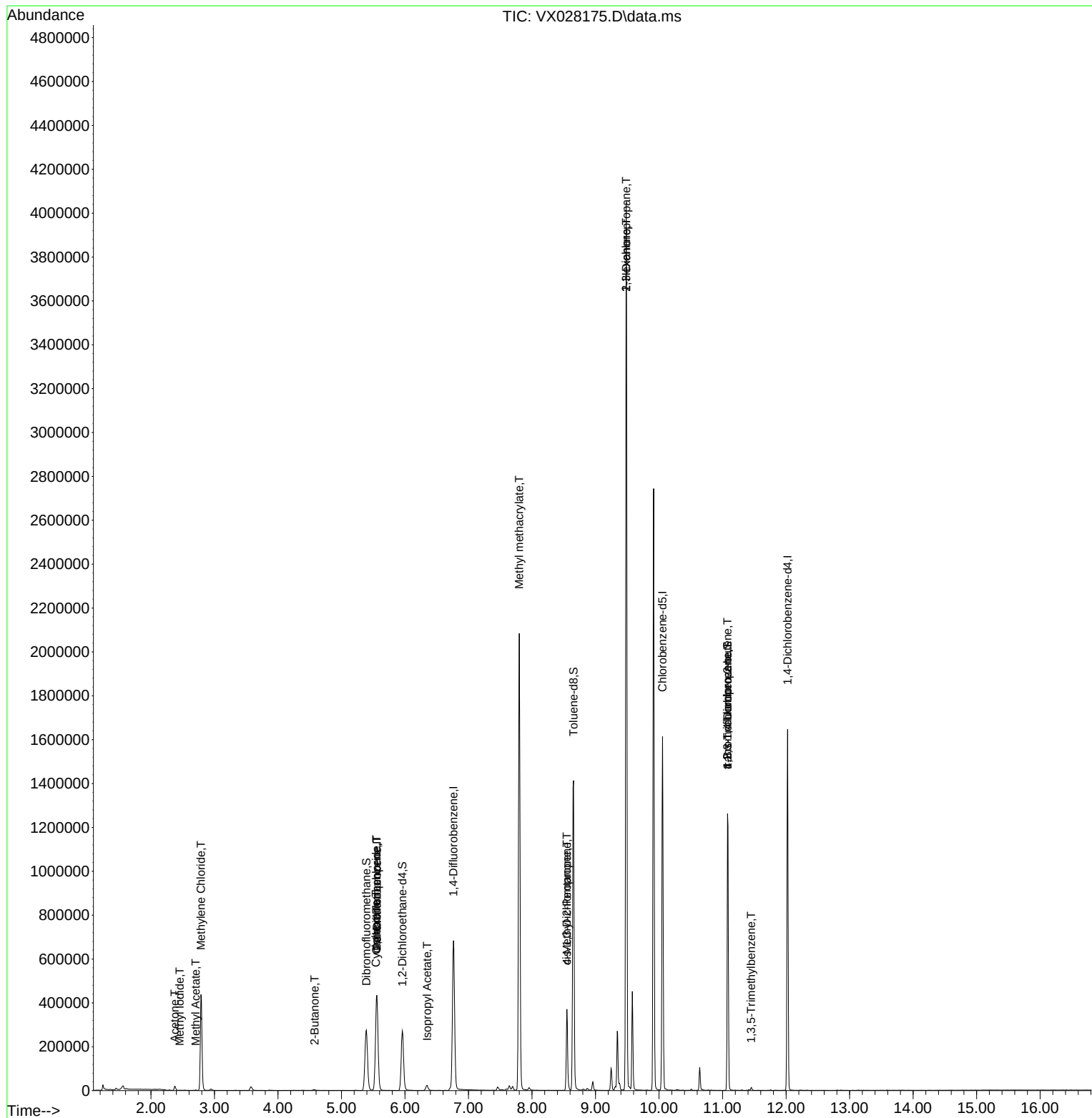
Internal Standards						
1) Pentafluorobenzene	5.556	168	423392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	725684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	736581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	340192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	261458	47.361	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.720%		
35) Dibromofluoromethane	5.391	113	236541	46.479	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.960%		
50) Toluene-d8	8.653	98	877730	44.905	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.800%		
62) 4-Bromofluorobenzene	11.079	95	332793	44.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	512	Below Cal	#	69
5) Bromomethane	1.618	94	1074	Below Cal		91
6) Chloroethane	1.782	64	239	Below Cal	#	87
8) Diethyl Ether	2.130	74	246	Below Cal		86
10) Methyl Iodide	2.453	142	692	5.367 ug/l	#	88
11) Tert butyl alcohol	2.947	59	3918	Below Cal	#	81
16) Acetone	2.374	43	19976	10.510 ug/l		92
18) Methyl Acetate	2.703	43	1974	0.402 ug/l		98
20) Methylene Chloride	2.788	84	205386	50.142 ug/l		98
25) 2-Butanone	4.574	43	4699	1.437 ug/l	#	84
31) Cyclohexane	5.544	56	8488	1.262 ug/l	#	51
36) 1,1-Dichloropropene	5.556	75	30159	4.543 ug/l	#	50
38) Carbon Tetrachloride	5.550	117	42601	5.685 ug/l	#	15
43) Isopropyl Acetate	6.348	43	31649	2.887 ug/l		94
48) Methyl methacrylate	7.799	41	169535	33.684 ug/l	#	34
51) 4-Methyl-2-Pentanone	8.549	43	117182	16.657 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	63405	7.747 ug/l	#	66
57) 1,3-Dichloropropane	9.482	76	39681	4.482 ug/l	#	43
59) 2-Hexanone	9.482	43	443381	81.365 ug/l	#	44
76) 1,2,3-Trichloropropane	11.079	75	166022	24.797 ug/l	#	38
80) 1,3,5-Trimethylbenzene	11.451	105	5700	0.287 ug/l		85
81) trans-1,4-Dichloro-2-b...	11.079	75	166022	73.691 ug/l	#	15

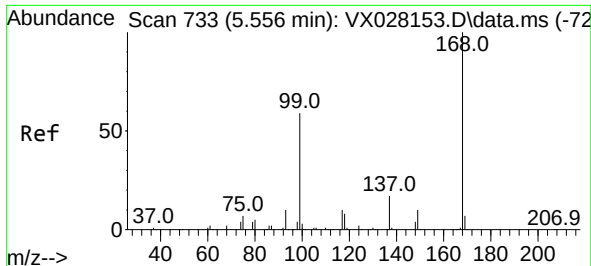
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Apr 20 08:19:33 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

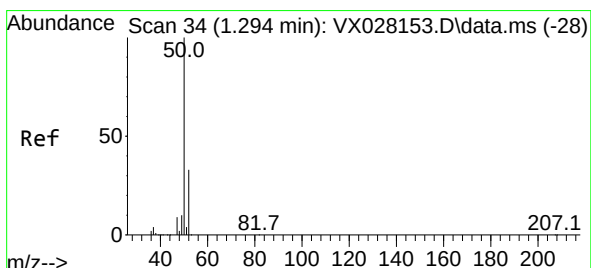
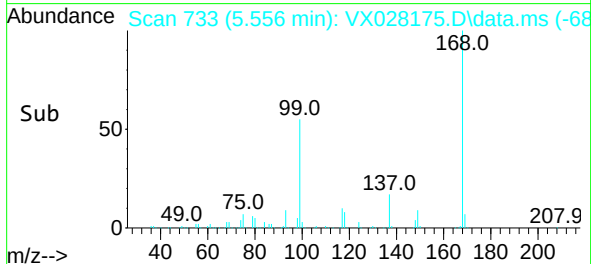
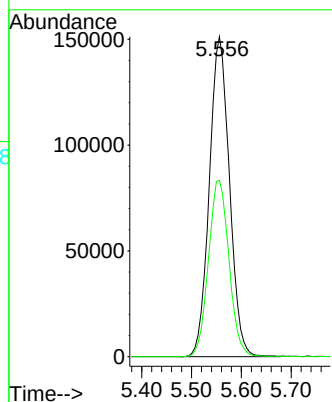
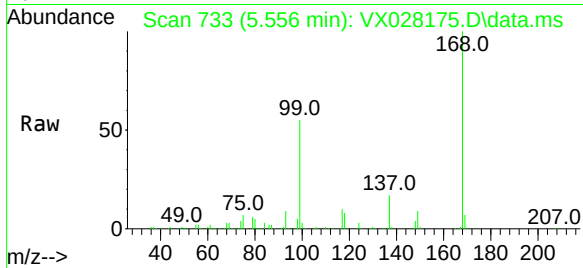




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

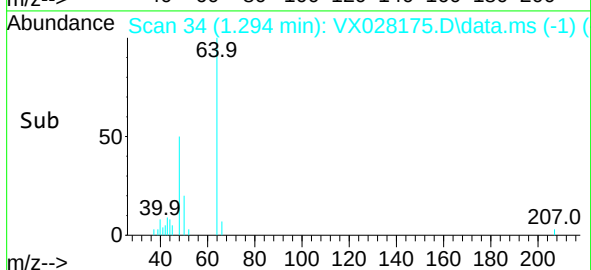
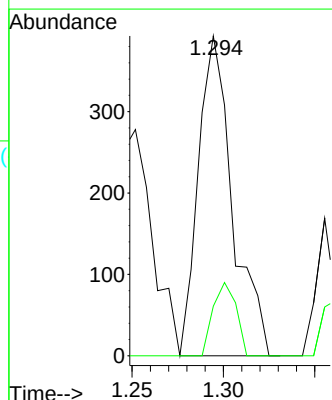
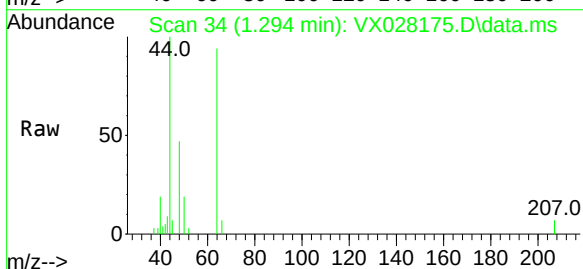
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

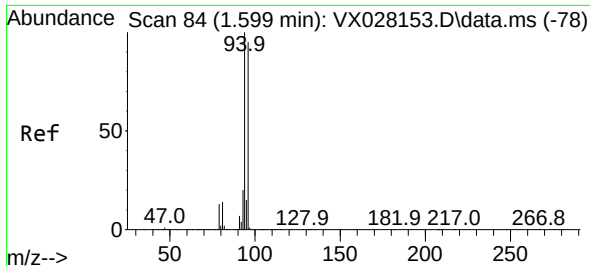
Tgt Ion:168 Resp: 423392
Ion Ratio Lower Upper
168 100
99 55.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 50 Resp: 512
Ion Ratio Lower Upper
50 100
52 15.5 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.019 min

Lab File: VX028175.D

Acq: 19 Apr 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

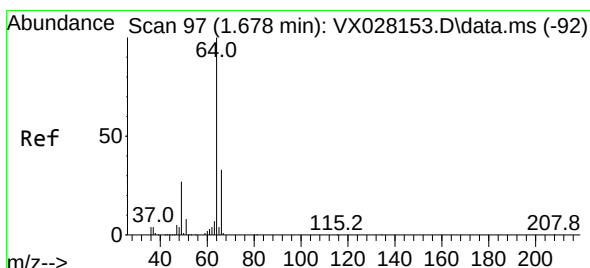
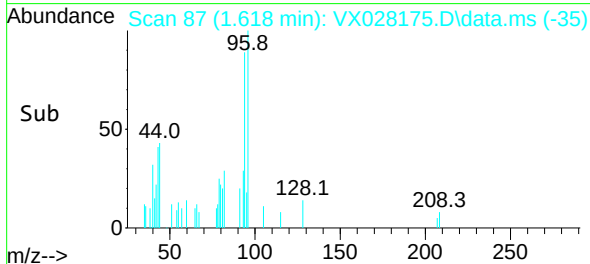
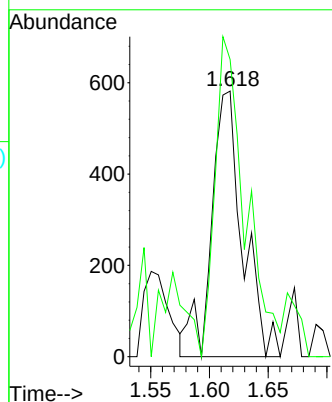
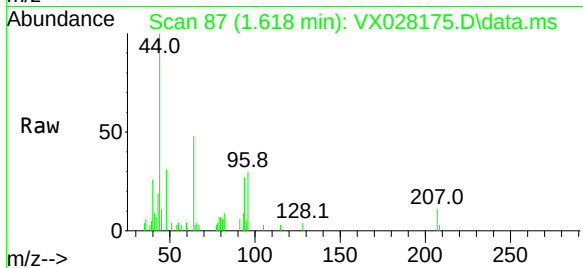
PB144164ZHE#05

Tgt Ion: 94 Resp: 1074

Ion Ratio Lower Upper

94 100

96 102.7 75.3 112.9



#6

Chloroethane

Concen: Below Cal

RT: 1.782 min Scan# 114

Delta R.T. 0.104 min

Lab File: VX028175.D

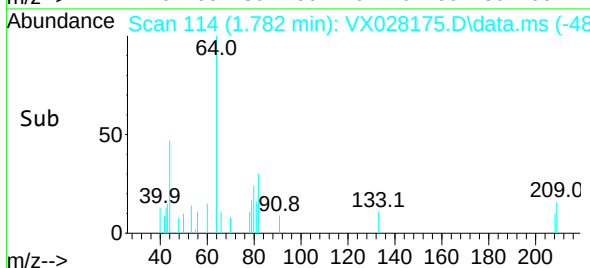
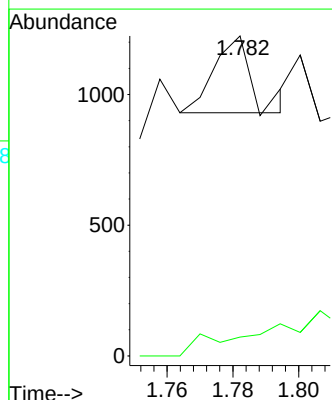
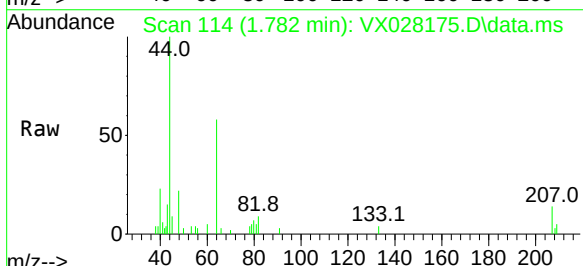
Acq: 19 Apr 2022 21:39

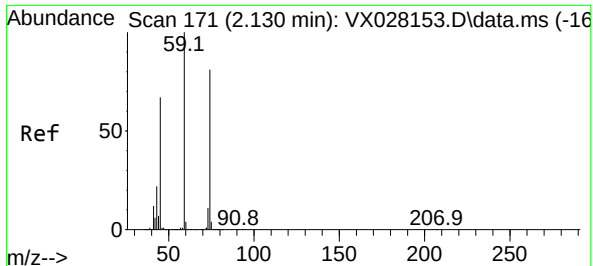
Tgt Ion: 64 Resp: 239

Ion Ratio Lower Upper

64 100

66 24.5 25.3 37.9#

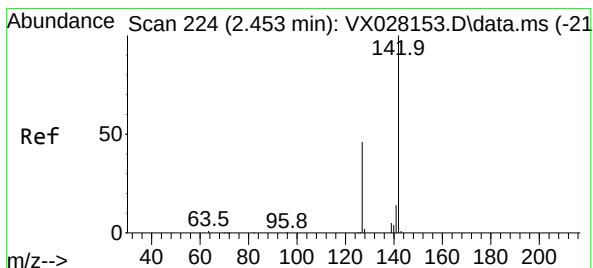
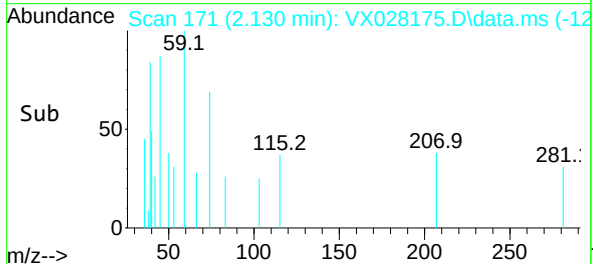
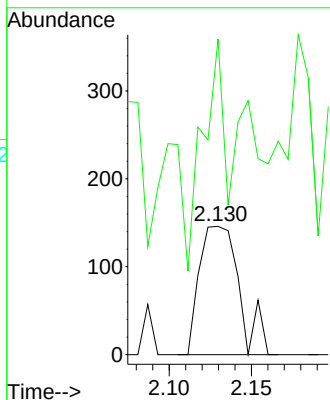
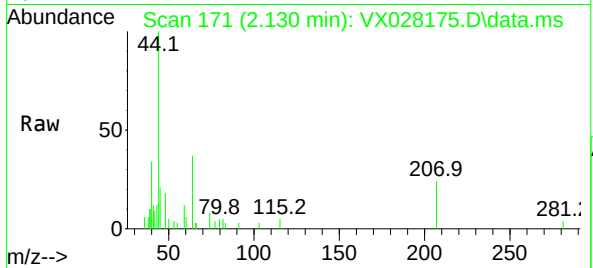




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

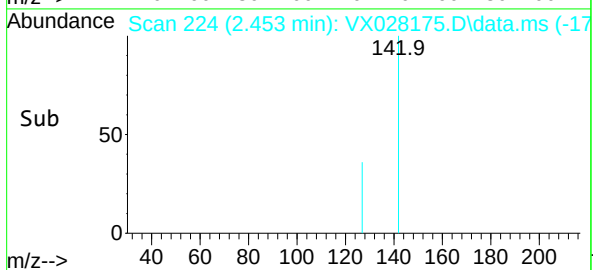
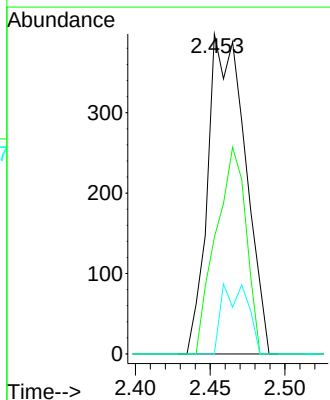
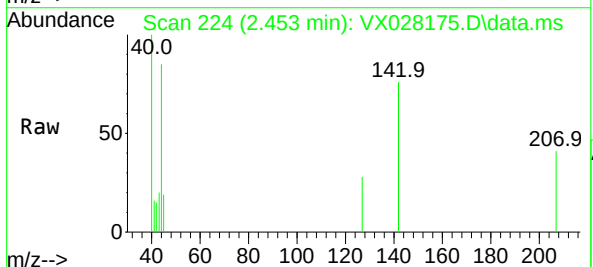
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

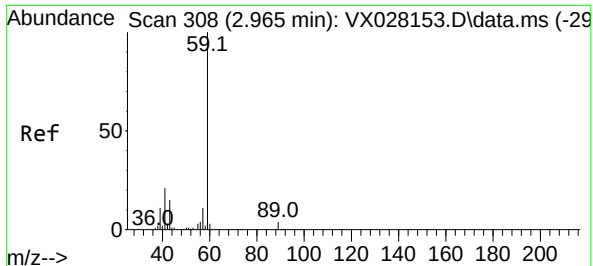
Tgt Ion: 74 Resp: 246
Ion Ratio Lower Upper
74 100
45 96.7 42.0 126.0



#10
Methyl Iodide
Concen: 5.367 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 142 Resp: 692
Ion Ratio Lower Upper
142 100
127 52.0 33.9 50.9#
141 15.0 11.4 17.2

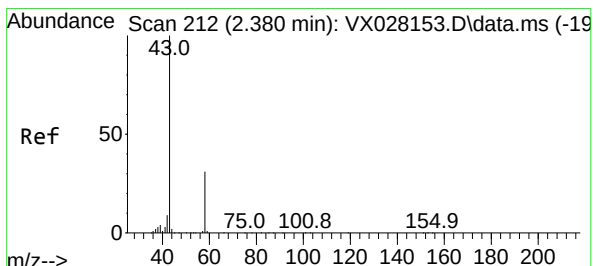
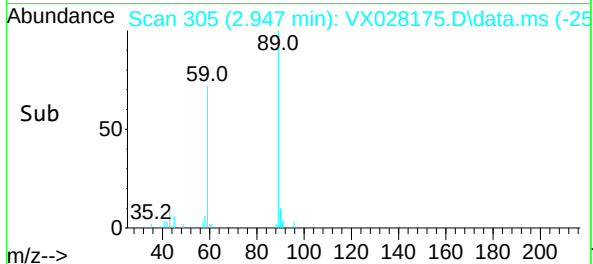
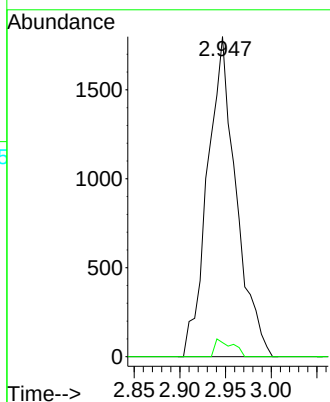
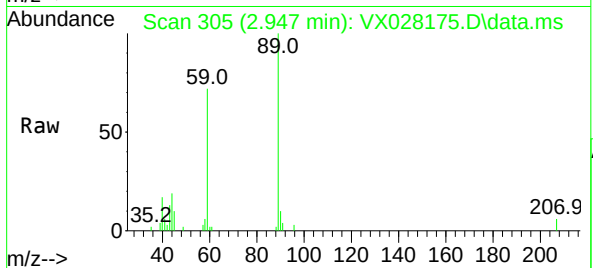




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

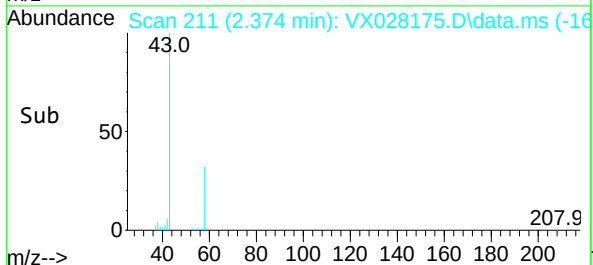
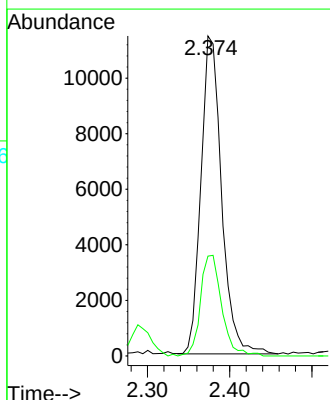
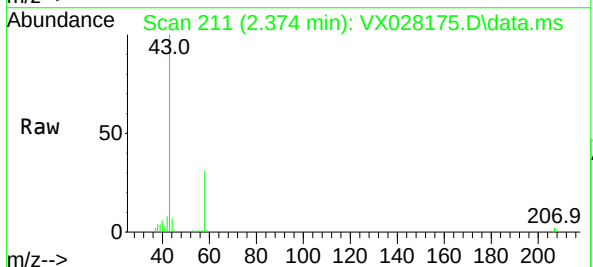
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

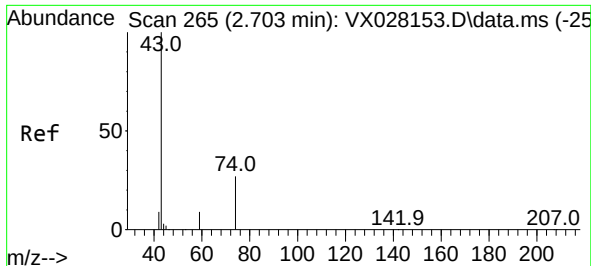
Tgt Ion: 59 Resp: 3918
Ion Ratio Lower Upper
59 100
57 3.3 8.3 12.5#



#16
Acetone
Concen: 10.510 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 43 Resp: 19976
Ion Ratio Lower Upper
43 100
58 31.4 28.8 43.2

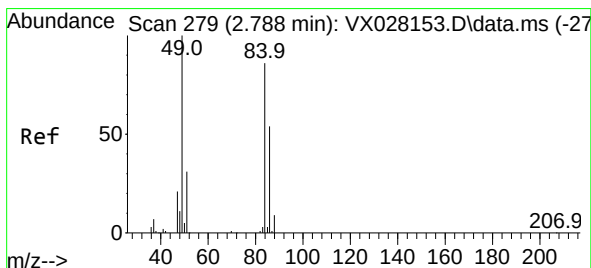
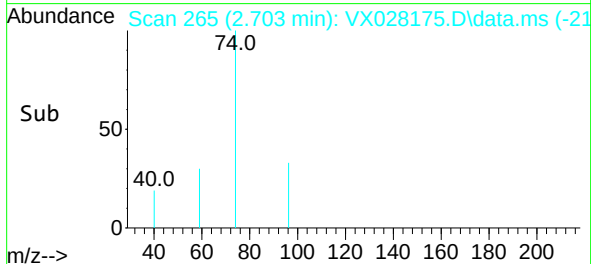
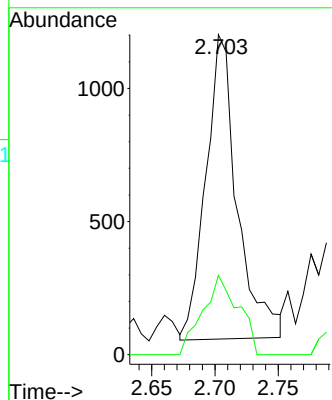
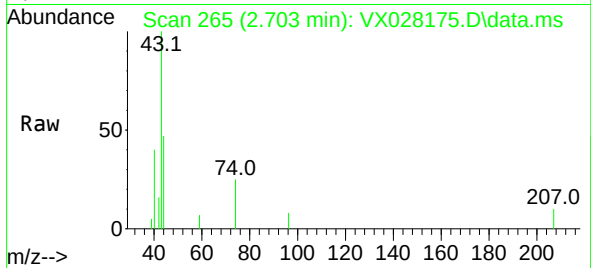




#18
Methyl Acetate
Concen: 0.402 ug/l
RT: 2.703 min Scan# 207
Delta R.T. -0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

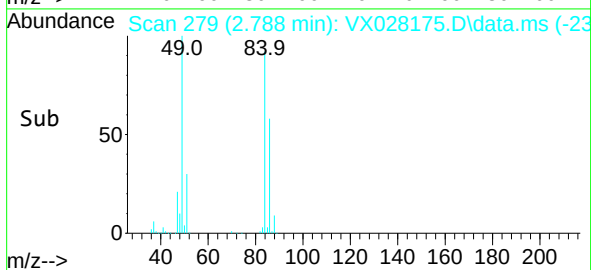
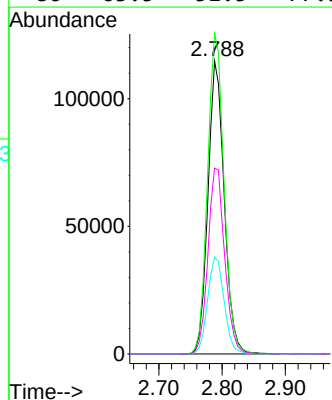
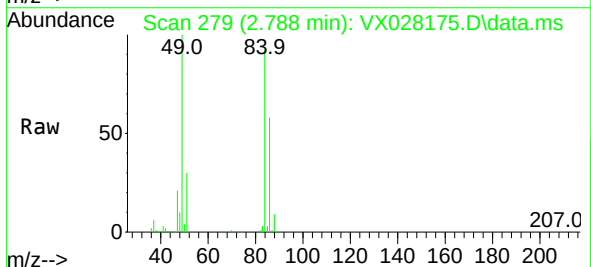
Instrument :
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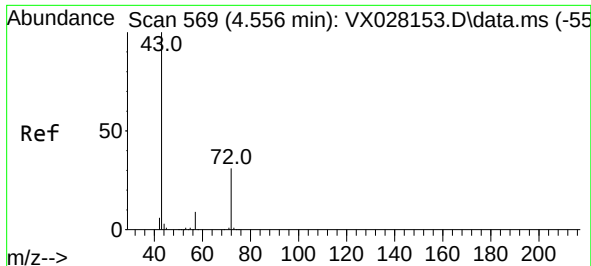
Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
74 29.5 22.8 34.2



#20
Methylene Chloride
Concen: 50.142 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 84 Resp: 205386
Ion Ratio Lower Upper
84 100
49 109.3 85.5 128.3
51 33.0 26.6 39.8
86 63.5 51.5 77.3

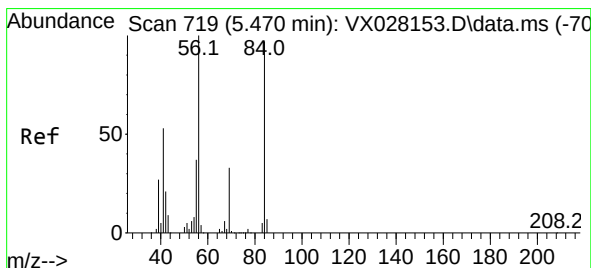
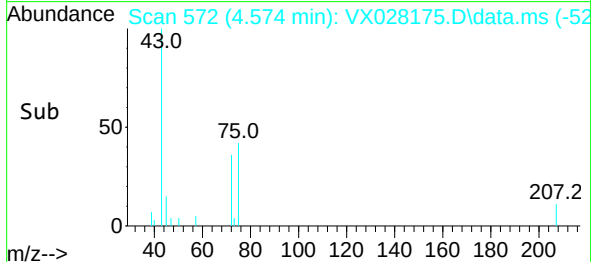
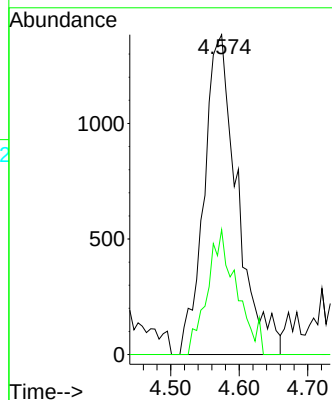
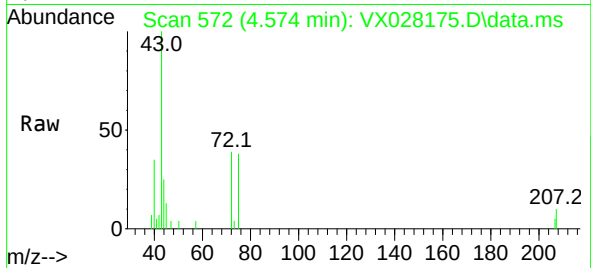




#25
2-Butanone
Concen: 1.437 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

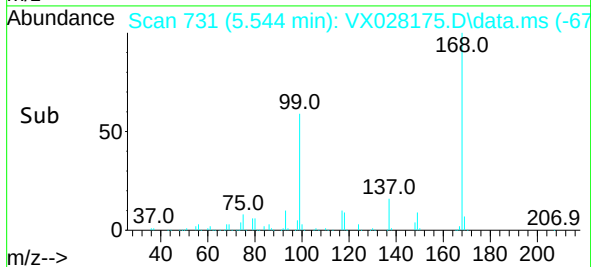
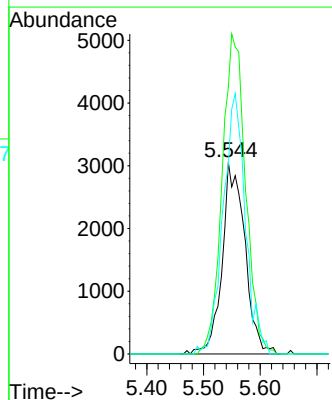
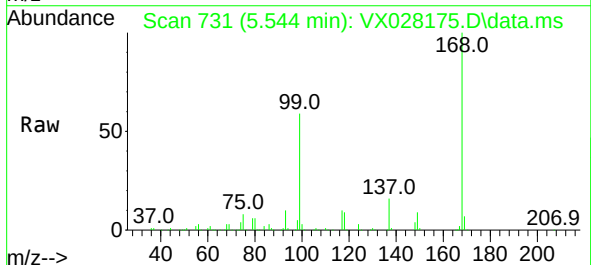
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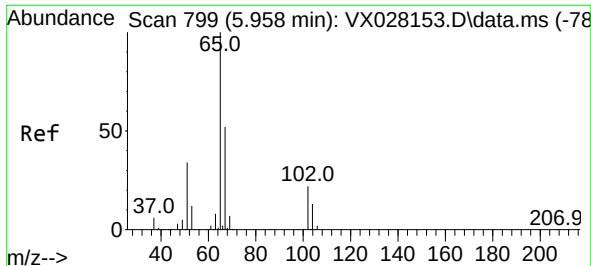
Tgt Ion: 43 Resp: 4699
Ion Ratio Lower Upper
43 100
72 39.0 24.4 36.6#



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 56 Resp: 8488
Ion Ratio Lower Upper
56 100
69 138.9 26.7 40.1#
84 98.7 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 47.361 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028175.D

Acq: 19 Apr 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

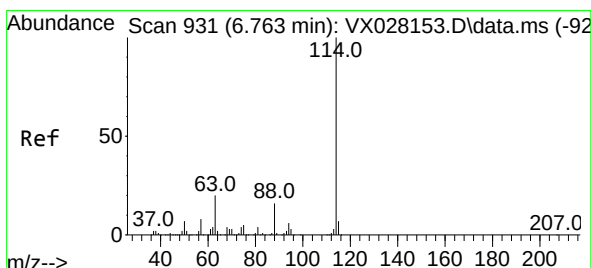
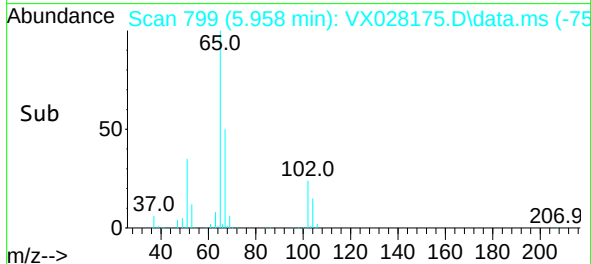
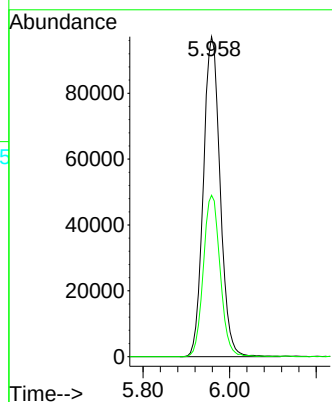
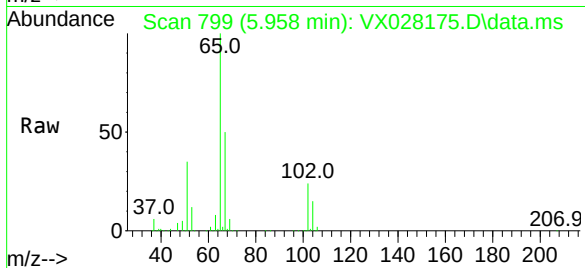
PB144164ZHE#05

Tgt Ion: 65 Resp: 261458

Ion Ratio Lower Upper

65 100

67 50.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028175.D

Acq: 19 Apr 2022 21:39

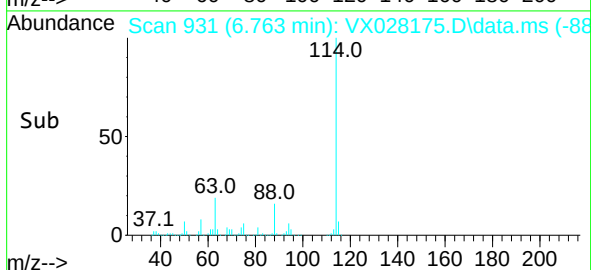
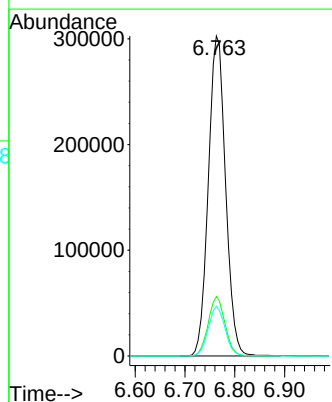
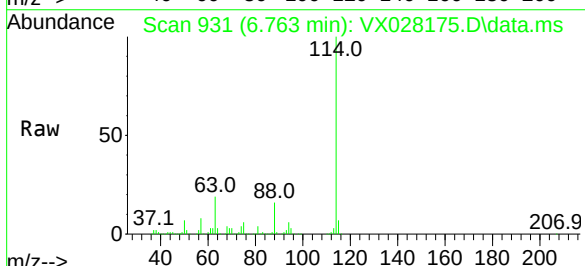
Tgt Ion: 114 Resp: 725684

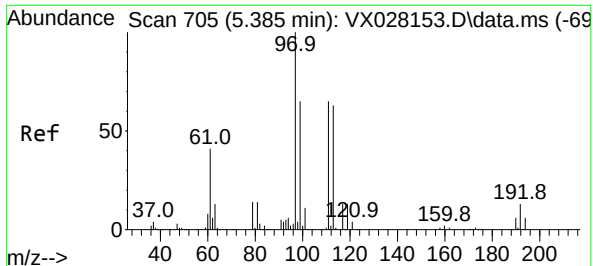
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

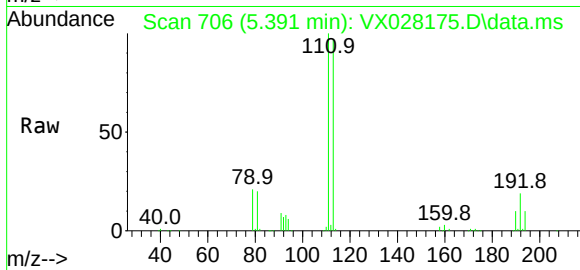
88 15.6 0.0 32.4



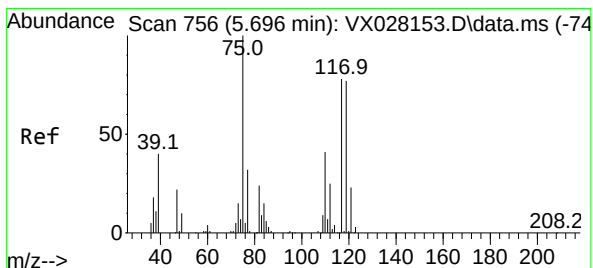
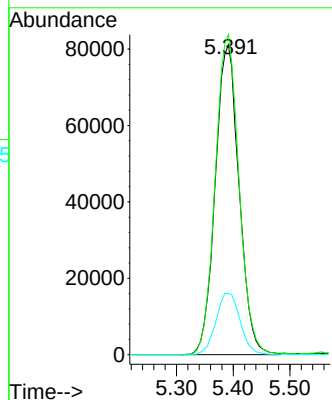
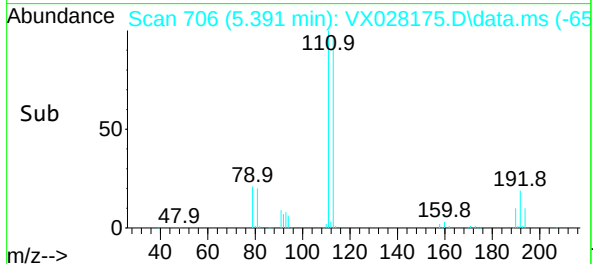


#35
Dibromofluoromethane
Concen: 46.479 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

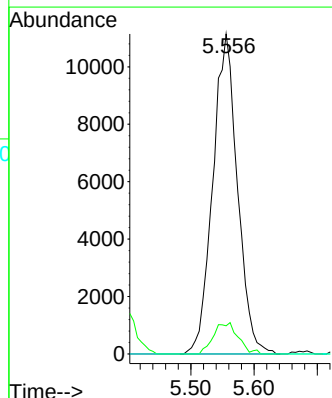
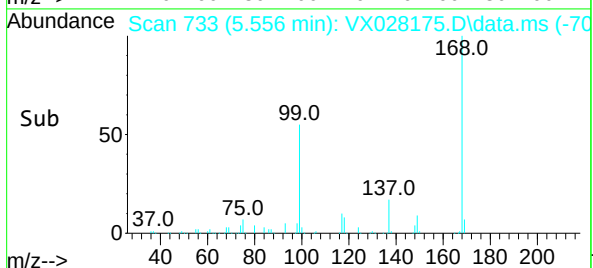
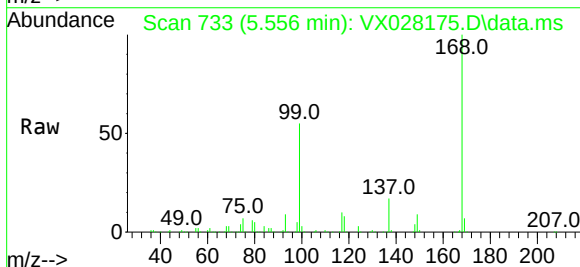


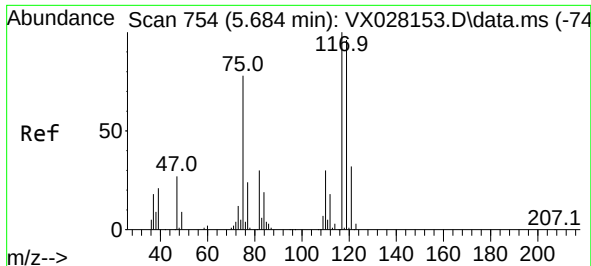
Tgt Ion:113 Resp: 236541
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.543 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 75 Resp: 30159
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#

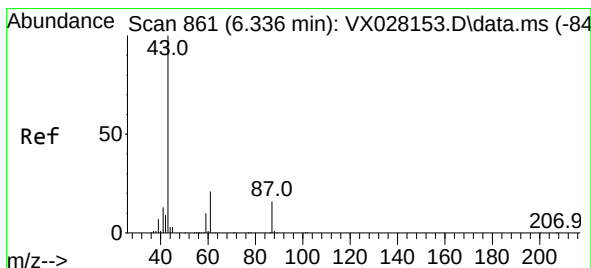
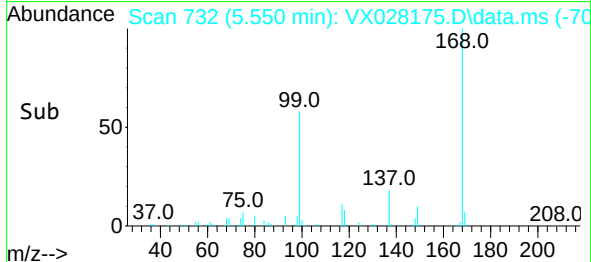
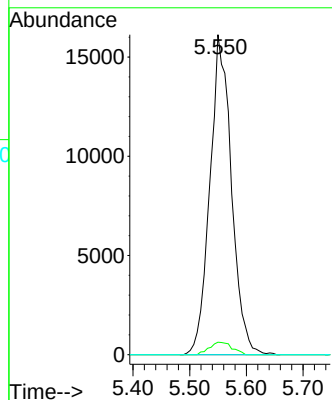
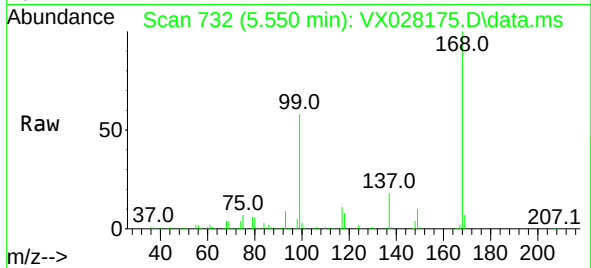




#38
Carbon Tetrachloride
Concen: 5.685 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

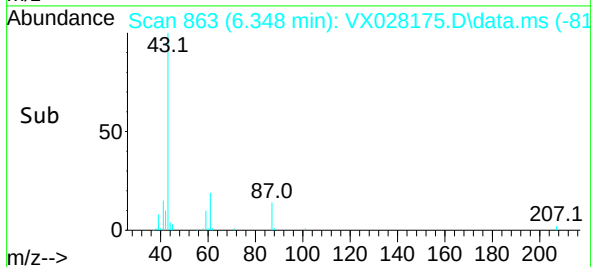
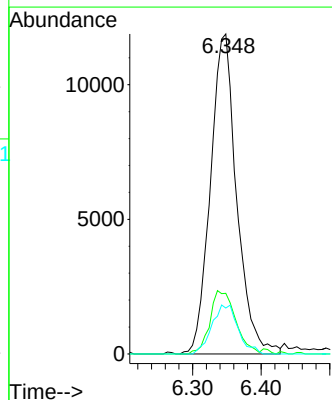
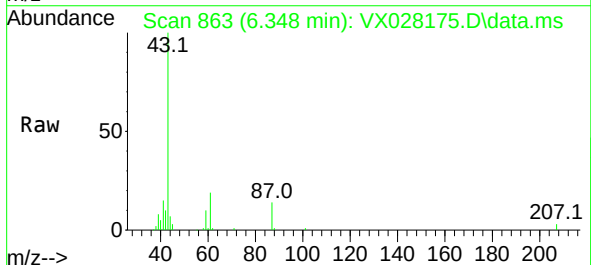
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

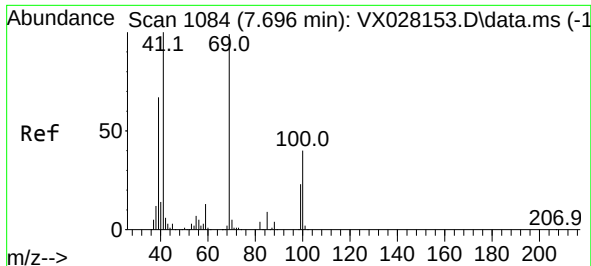
Tgt Ion:117 Resp: 42601
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.887 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 43 Resp: 31649
Ion Ratio Lower Upper
43 100
61 19.3 18.5 27.7
87 15.3 13.0 19.6

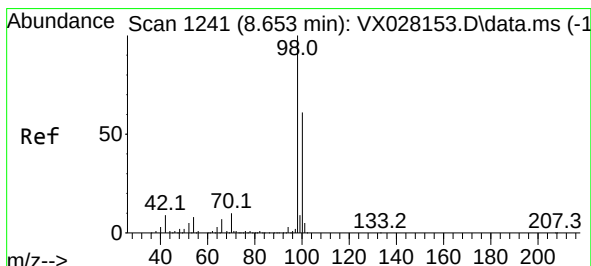
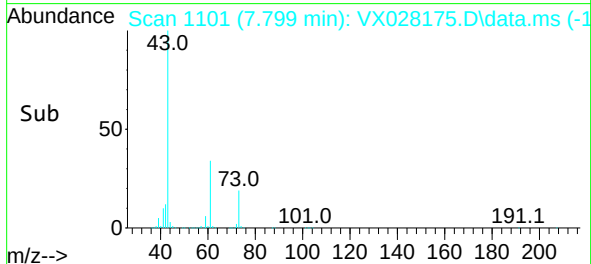
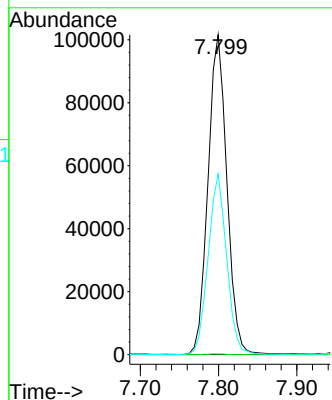
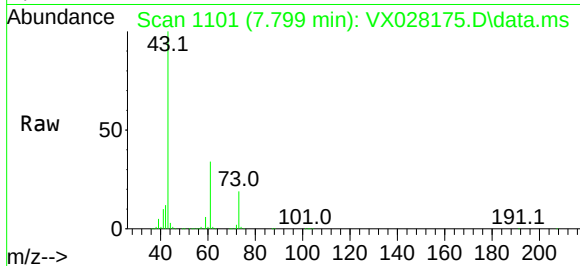




#48
Methyl methacrylate
Concen: 33.684 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

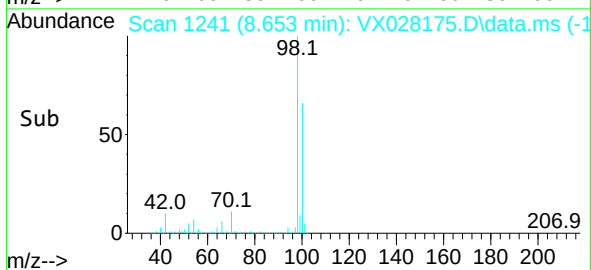
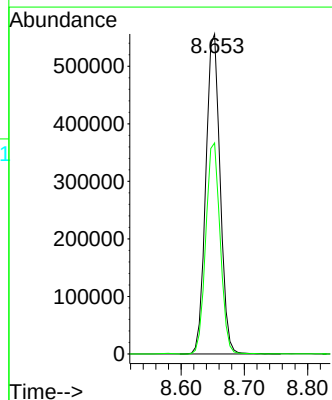
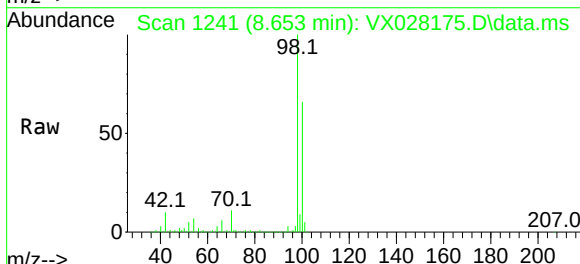
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

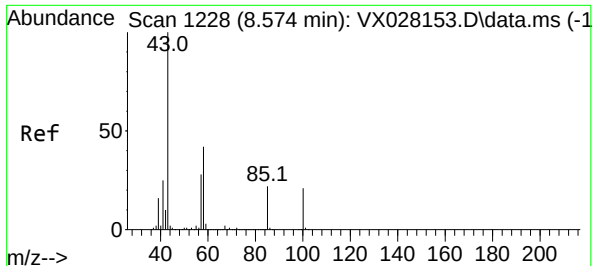
Tgt Ion: 41 Resp: 169535
Ion Ratio Lower Upper
41 100
69 0.2 82.5 123.7#
39 55.7 43.8 65.8



#50
Toluene-d8
Concen: 44.905 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 98 Resp: 877730
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.657 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028175.D

Acq: 19 Apr 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

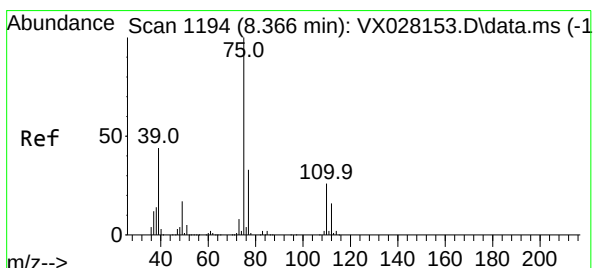
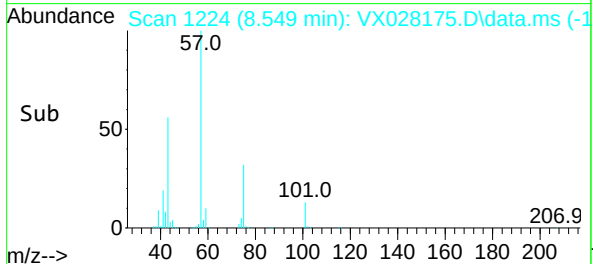
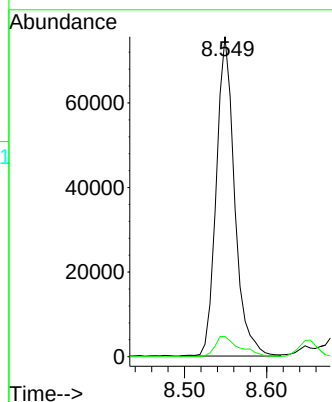
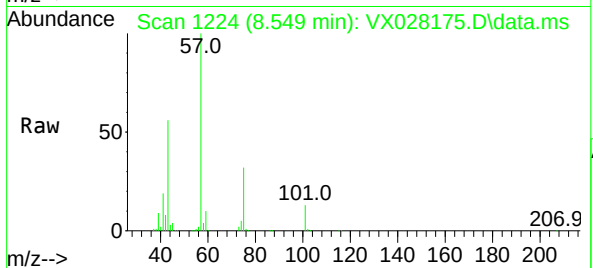
PB144164ZHE#05

Tgt Ion: 43 Resp: 117182

Ion Ratio Lower Upper

43 100

58 8.5 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.747 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028175.D

Acq: 19 Apr 2022 21:39

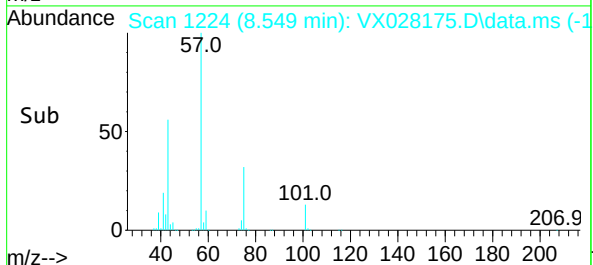
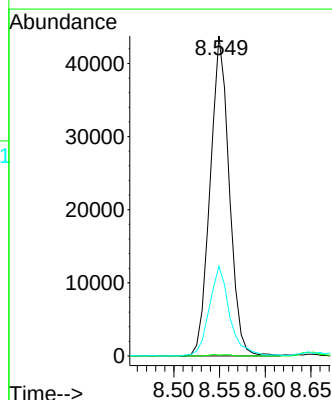
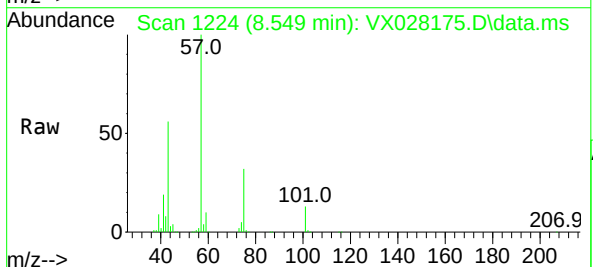
Tgt Ion: 75 Resp: 63405

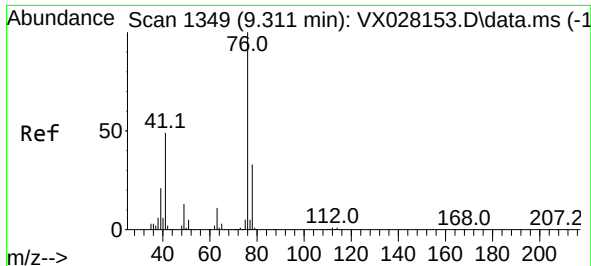
Ion Ratio Lower Upper

75 100

77 0.3 24.8 37.2#

39 28.1 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.482 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028175.D

Acq: 19 Apr 2022 21:39

Instrument :

MSVOA_X

ClientSampleId :

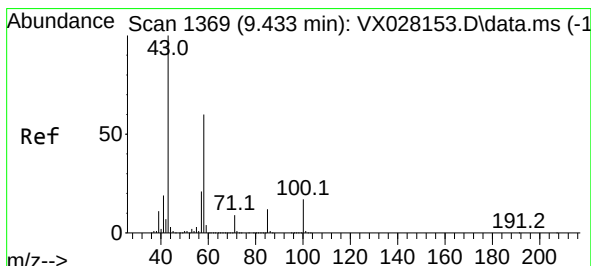
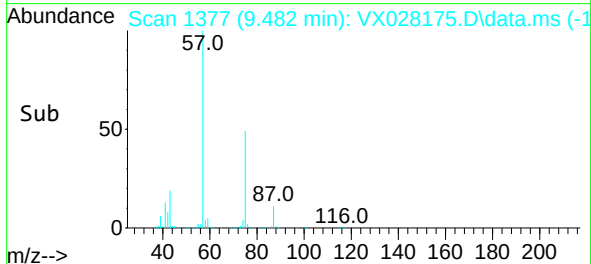
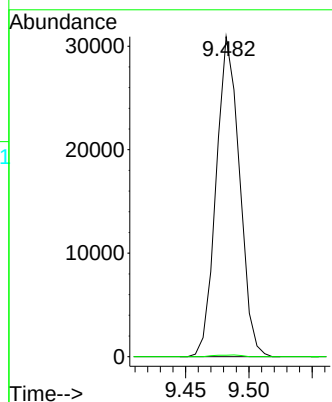
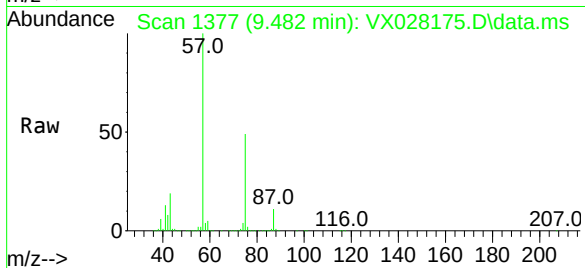
PB144164ZHE#05

Tgt Ion: 76 Resp: 39681

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.8#



#59

2-Hexanone

Concen: 81.365 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028175.D

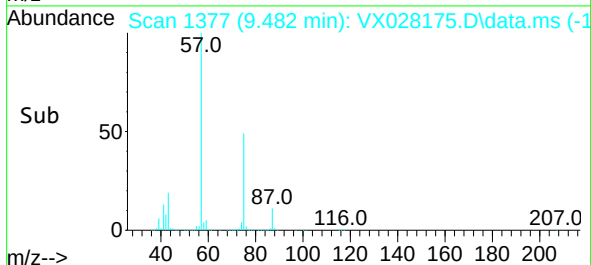
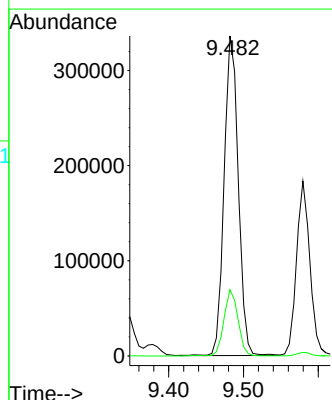
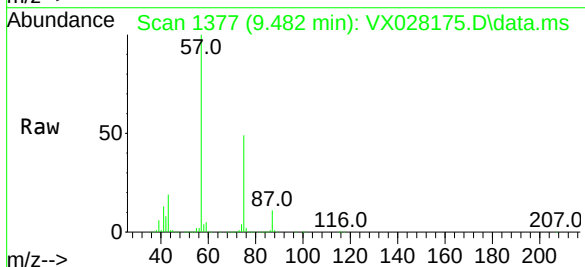
Acq: 19 Apr 2022 21:39

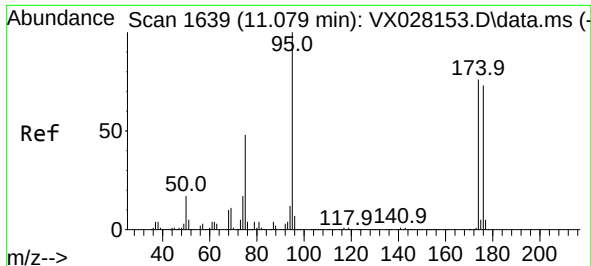
Tgt Ion: 43 Resp: 443381

Ion Ratio Lower Upper

43 100

58 20.3 31.9 95.7#

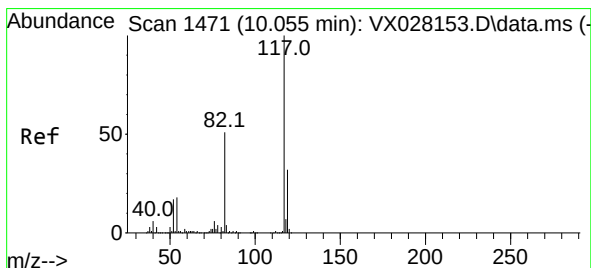
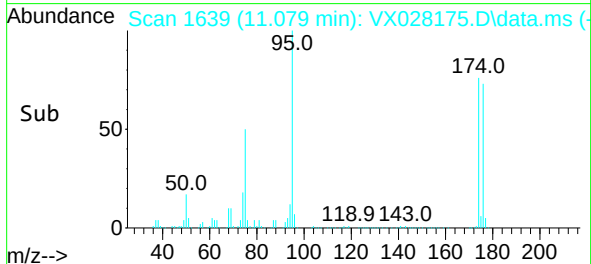
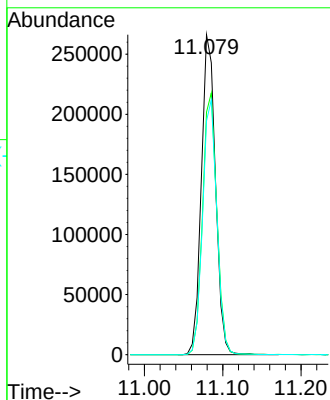
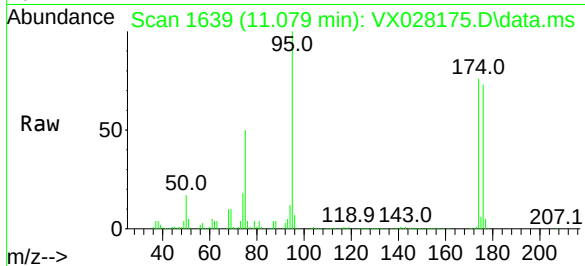




#62
4-Bromofluorobenzene
Concen: 44.528 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

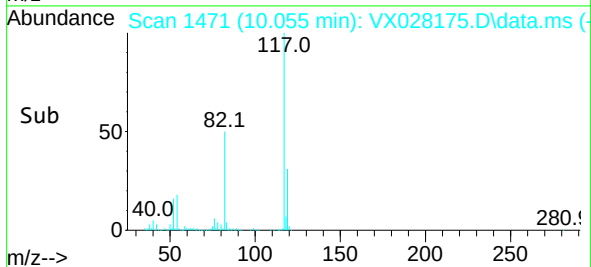
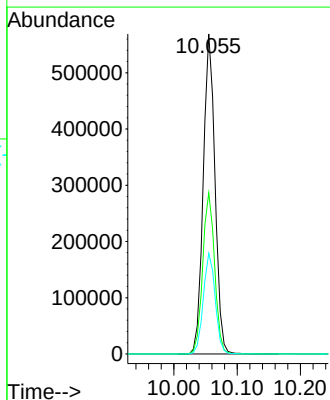
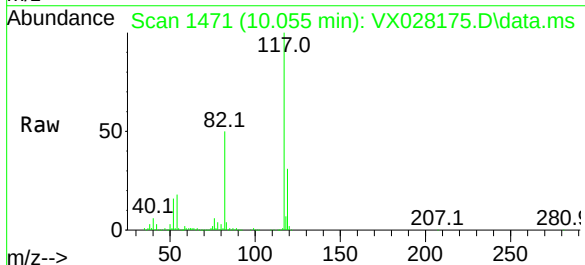
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

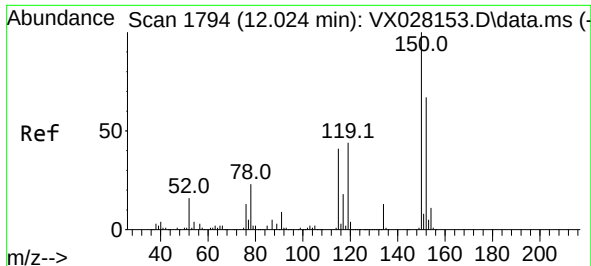
Tgt Ion: 95 Resp: 332793
Ion Ratio Lower Upper
95 100
174 82.9 0.0 163.0
176 80.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 117 Resp: 736581
Ion Ratio Lower Upper
117 100
82 50.3 41.8 62.8
119 31.5 24.8 37.2

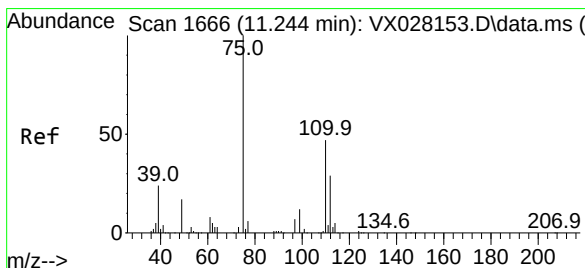
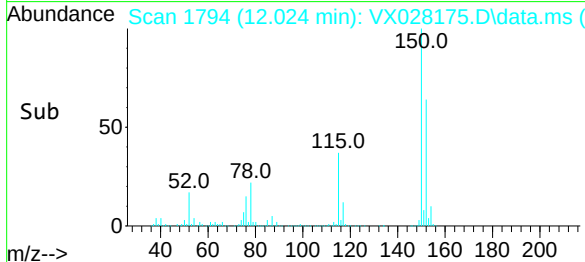
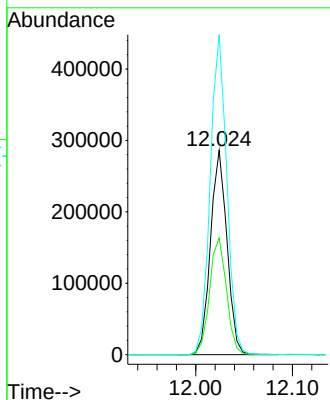
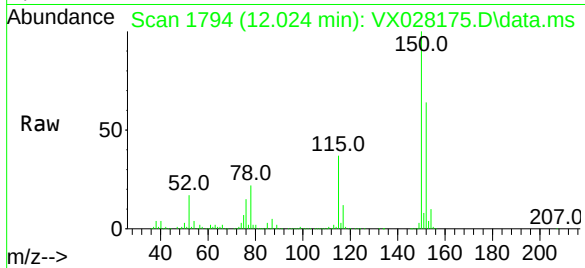




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028175.D
 Acq: 19 Apr 2022 21:39

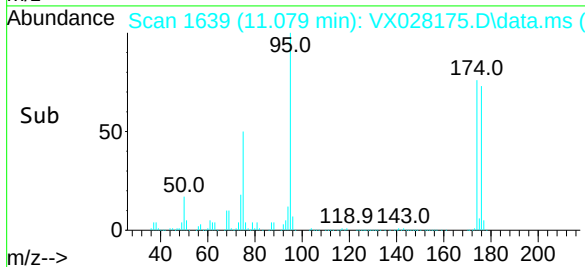
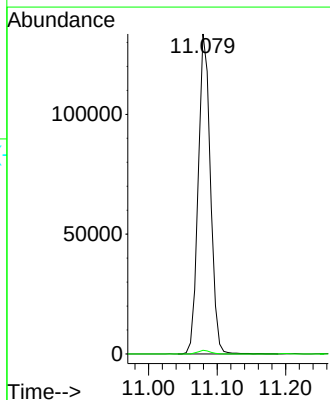
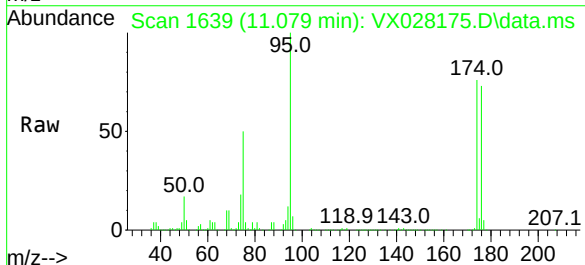
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#05

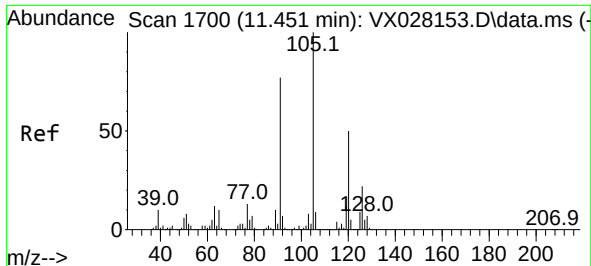
Tgt Ion:152 Resp: 340192
 Ion Ratio Lower Upper
 152 100
 115 58.4 37.5 112.7
 150 157.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.797 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028175.D
 Acq: 19 Apr 2022 21:39

Tgt Ion: 75 Resp: 166022
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

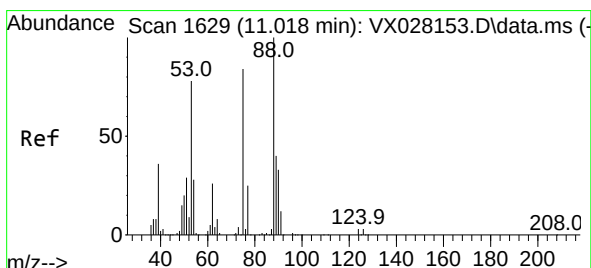
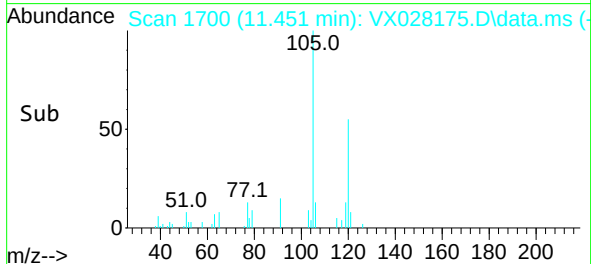
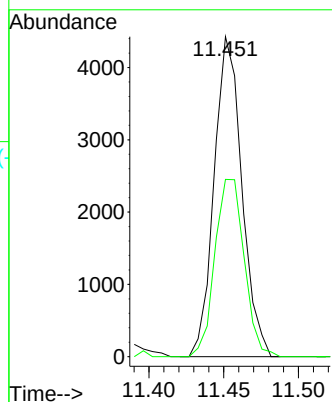
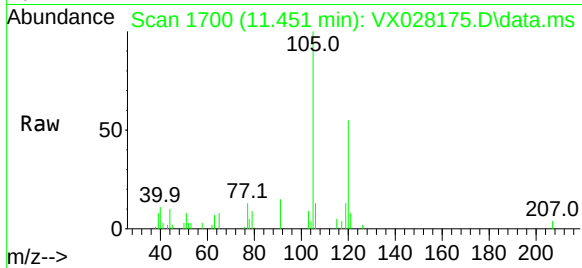




#80
1,3,5-Trimethylbenzene
Concen: 0.287 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#05

Tgt Ion:105 Resp: 5700
Ion Ratio Lower Upper
105 100
120 58.7 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 73.691 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028175.D
Acq: 19 Apr 2022 21:39

Tgt Ion: 75 Resp: 166022
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

