

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028376.D
 Acq On : 27 Apr 2022 14:23
 Operator : JC/MD
 Sample : PB144400ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400ZHE#01

Quant Time: Apr 28 04:22:22 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)

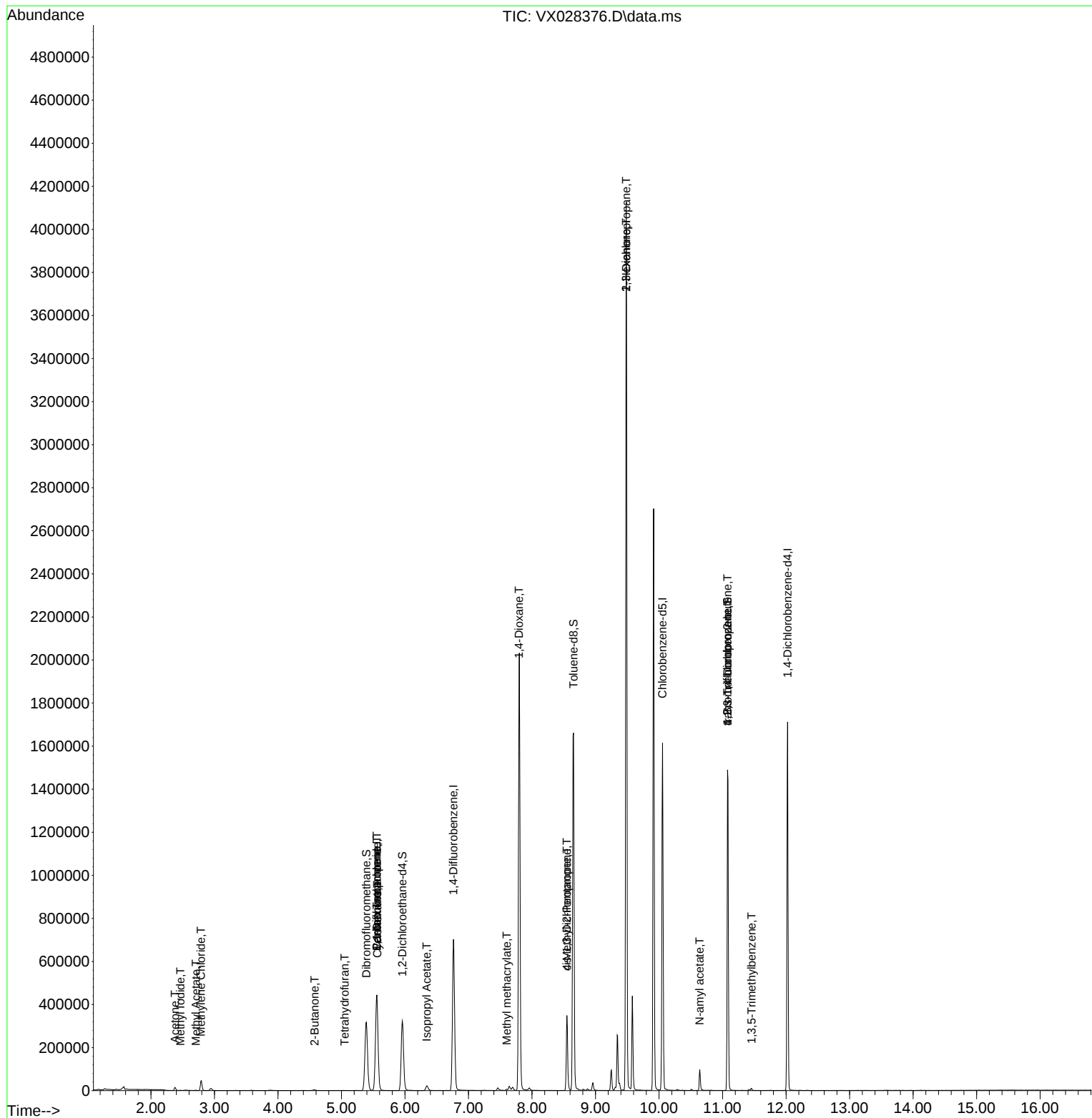
Internal Standards						
1) Pentafluorobenzene	5.556	168	434587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	743810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	743714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	355696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	310366	54.772	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.540%	
35) Dibromofluoromethane	5.391	113	275523	52.820	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.640%	
50) Toluene-d8	8.653	98	1045873	52.203	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	11.079	95	390304	50.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	563	Below Cal		89
5) Bromomethane	1.611	94	984	Below Cal		89
6) Chloroethane	1.691	64	503	Below Cal	#	58
8) Diethyl Ether	2.130	74	19	Below Cal	#	1
10) Methyl Iodide	2.465	142	817	5.386	ug/l	97
11) Tert butyl alcohol	2.947	59	5412	Below Cal	#	78
16) Acetone	2.380	43	14915	7.262	ug/l	98
18) Methyl Acetate	2.709	43	1990	0.395	ug/l	# 87
20) Methylene Chloride	2.788	84	21427	5.096	ug/l	94
25) 2-Butanone	4.574	43	2482	0.740	ug/l	93
29) Tetrahydrofuran	5.050	42	518	0.237	ug/l	# 68
31) Cyclohexane	5.562	56	8709	1.261	ug/l	# 21
36) 1,1-Dichloropropene	5.556	75	31176	4.582	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	43032	5.602	ug/l	# 15
43) Isopropyl Acetate	6.342	43	29943	2.665	ug/l	96
48) Methyl methacrylate	7.604	41	7836	1.519	ug/l	# 7
49) 1,4-Dioxane	7.793	88	360	2.609	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	110717	15.355	ug/l	# 44
54) cis-1,3-Dichloropropene	8.549	75	58677	6.995	ug/l	# 69
57) 1,3-Dichloropropane	9.482	76	38841	4.280	ug/l	# 43
59) 2-Hexanone	9.482	43	438832	78.567	ug/l	# 45
74) N-amyl acetate	10.640	43	21024	2.488	ug/l	# 46
76) 1,2,3-Trichloropropane	11.079	75	192159	27.450	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	4416	0.213	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	192159	81.574	ug/l	# 15

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
Data File : VX028376.D
Acq On : 27 Apr 2022 14:23
Operator : JC/MD
Sample : PB144400ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

Quant Time: Apr 28 04:22:22 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

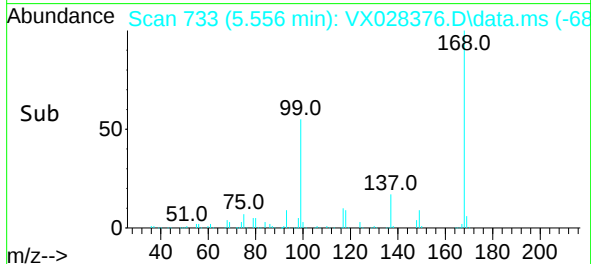
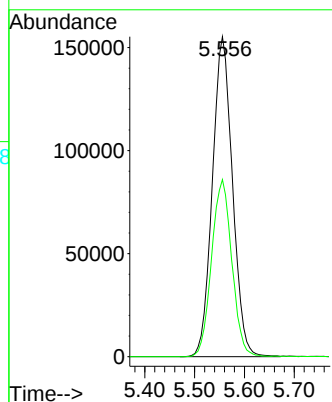
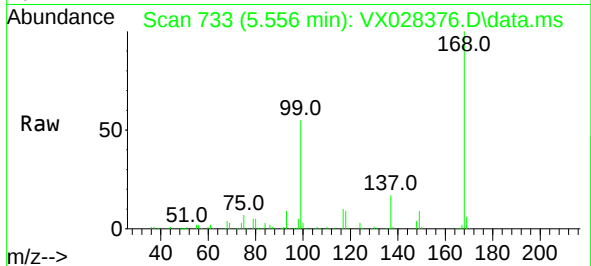




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

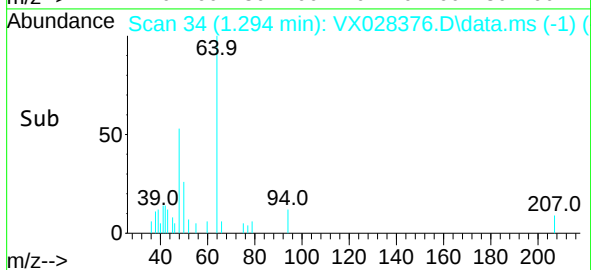
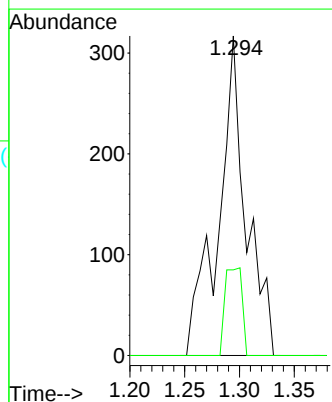
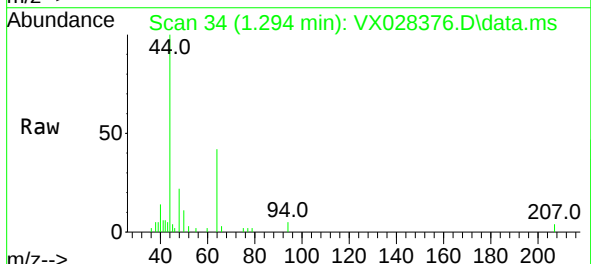
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

Tgt Ion:168 Resp: 434587
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 26.8 26.4 39.6

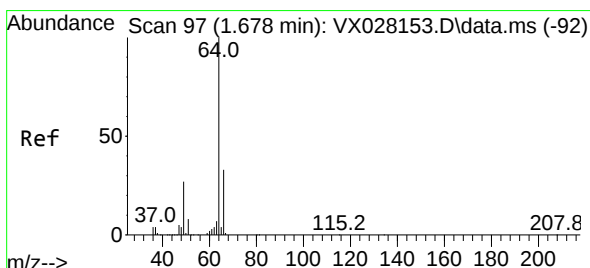
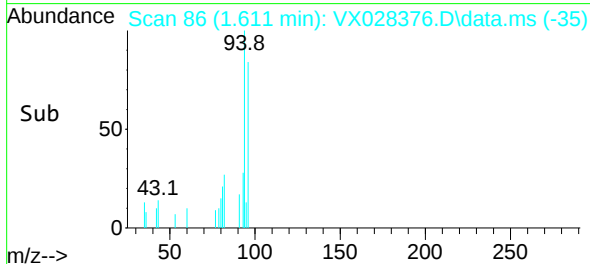
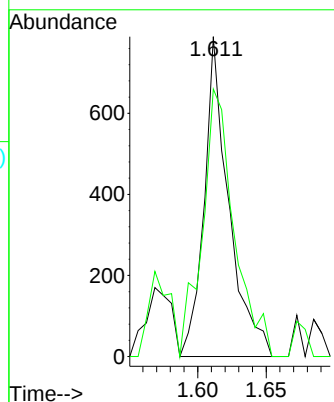
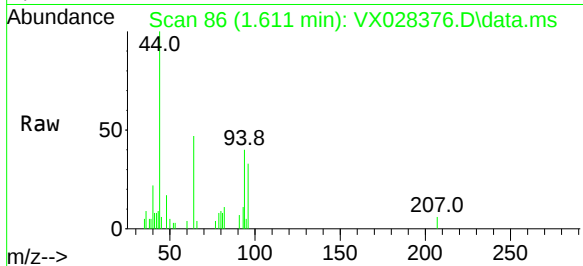




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

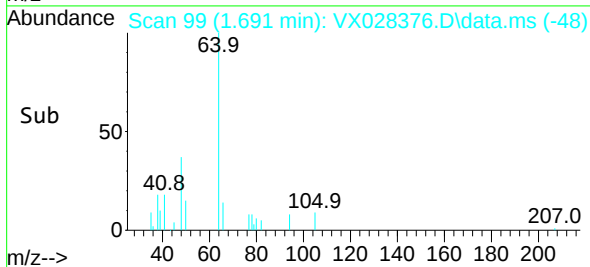
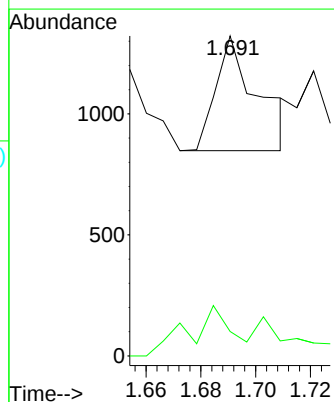
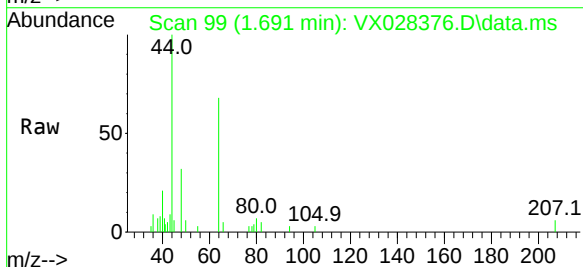
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

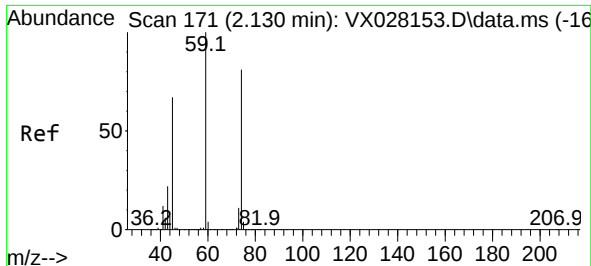
Tgt Ion: 94 Resp: 984
Ion Ratio Lower Upper
94 100
96 83.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 64 Resp: 503
Ion Ratio Lower Upper
64 100
66 8.2 25.3 37.9

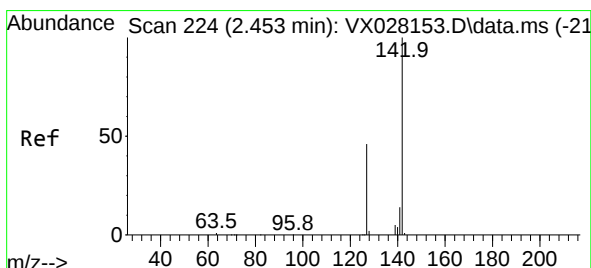
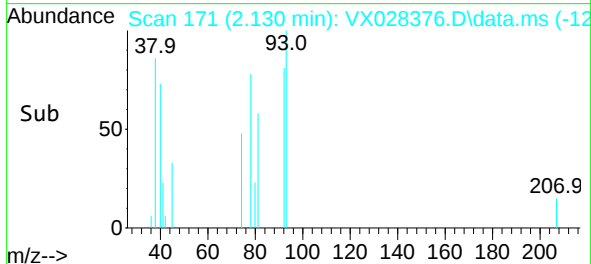
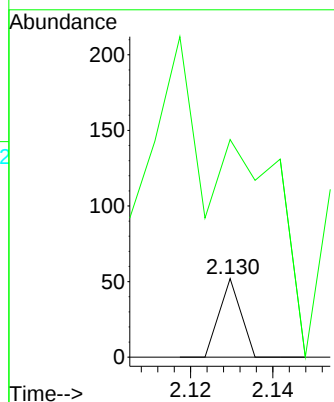
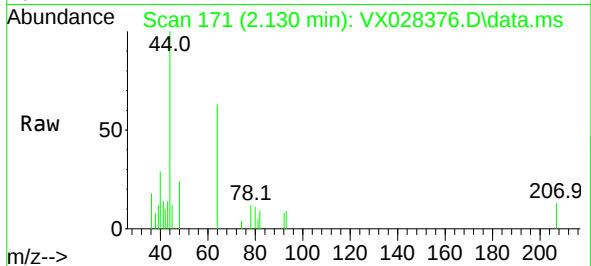




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

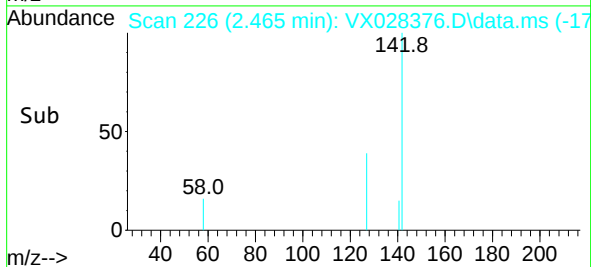
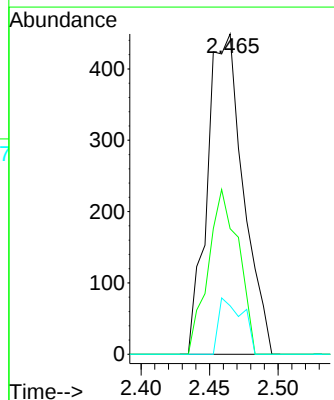
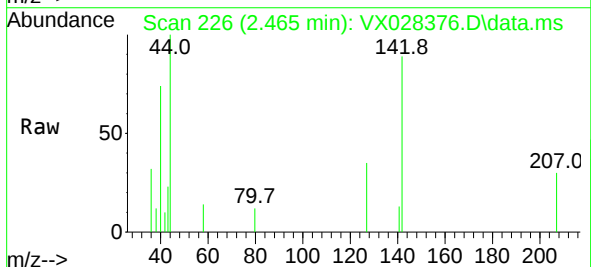
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

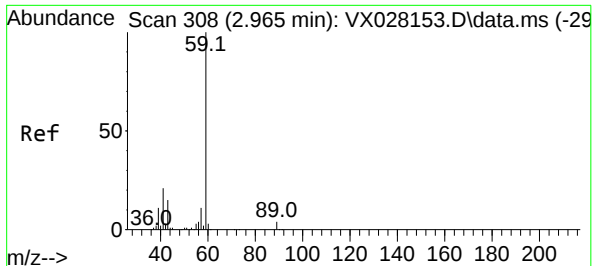
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 1615.8 42.0 126.0#



#10
Methyl Iodide
Concen: 5.386 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion:142 Resp: 817
Ion Ratio Lower Upper
142 100
127 43.7 33.9 50.9
141 11.8 11.4 17.2

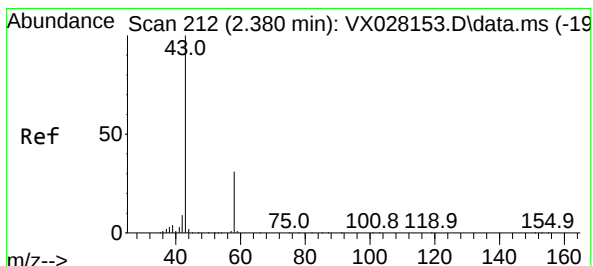
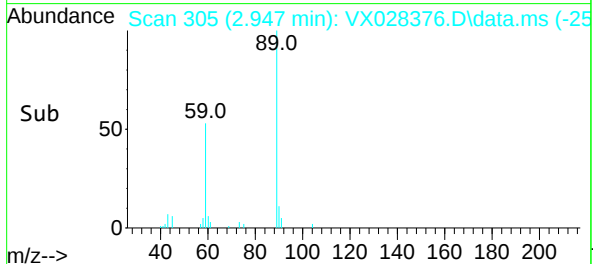
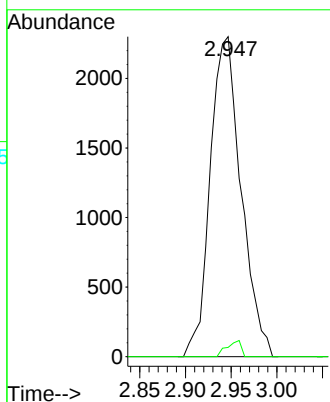
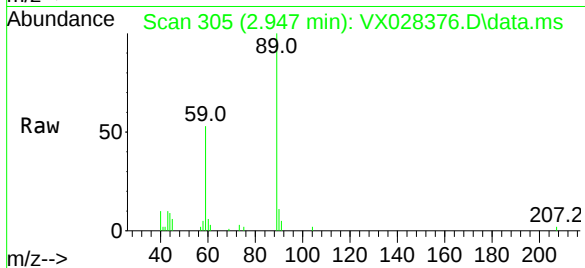




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

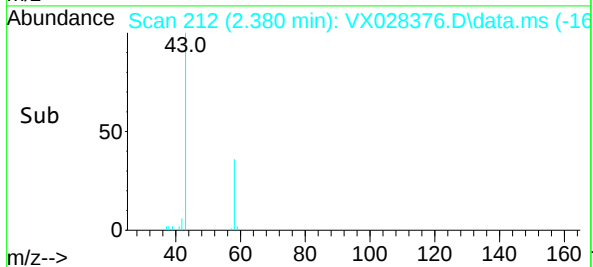
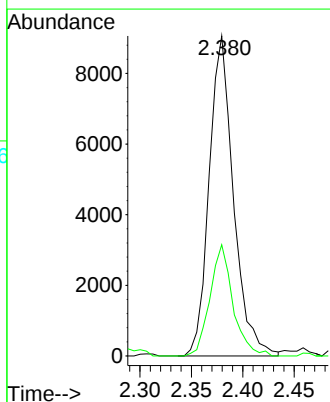
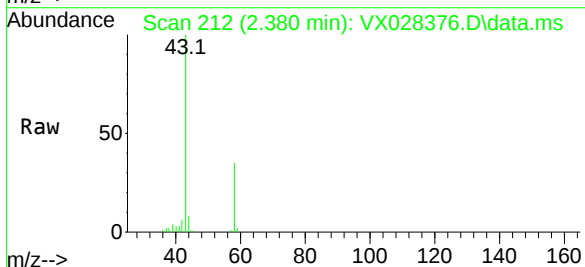
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

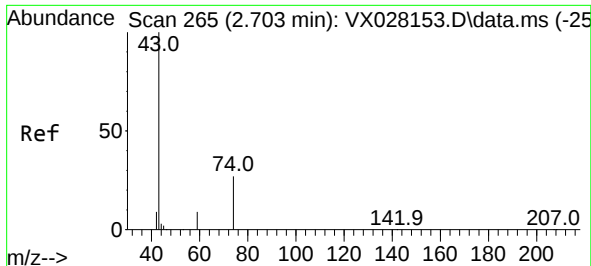
Tgt Ion: 59 Resp: 5412
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#



#16
Acetone
Concen: 7.262 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 43 Resp: 14915
Ion Ratio Lower Upper
43 100
58 34.7 28.8 43.2

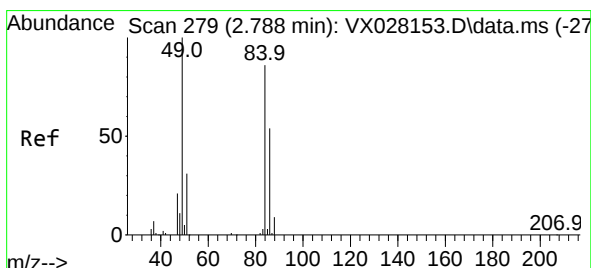
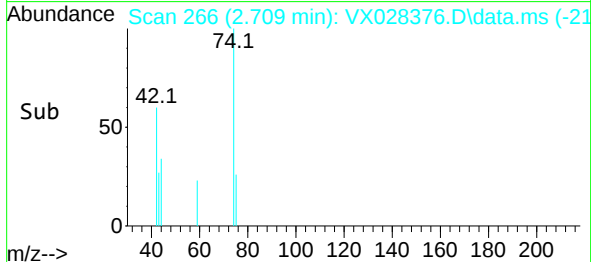
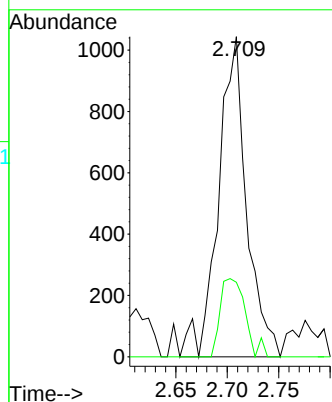
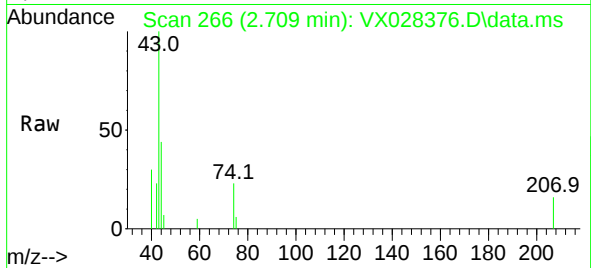




#18
Methyl Acetate
Concen: 0.395 ug/l
RT: 2.709 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

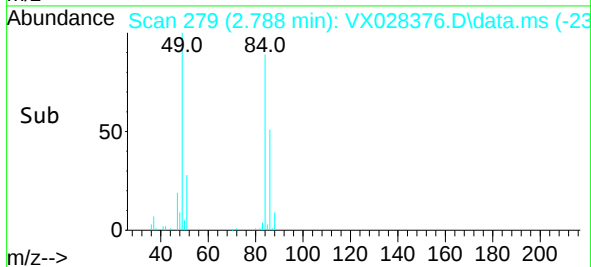
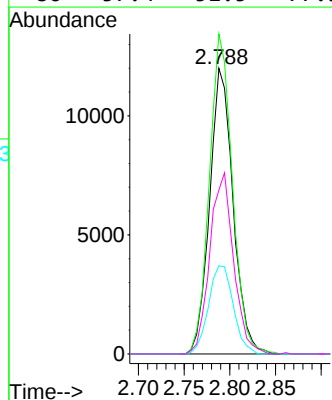
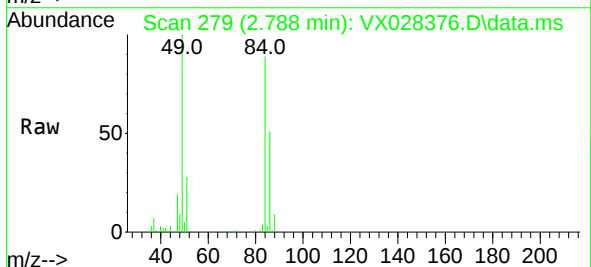
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

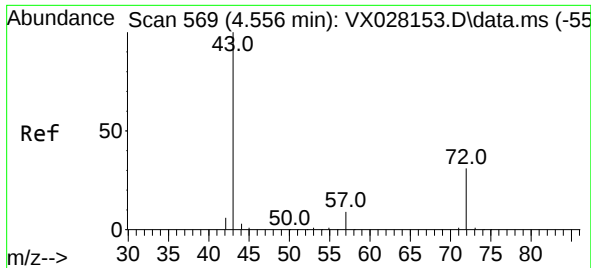
Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
74 21.7 22.8 34.2#



#20
Methylene Chloride
Concen: 5.096 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 84 Resp: 21427
Ion Ratio Lower Upper
84 100
49 112.1 85.5 128.3
51 30.9 26.6 39.8
86 57.4 51.5 77.3

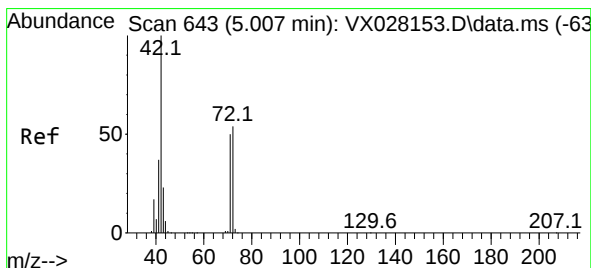
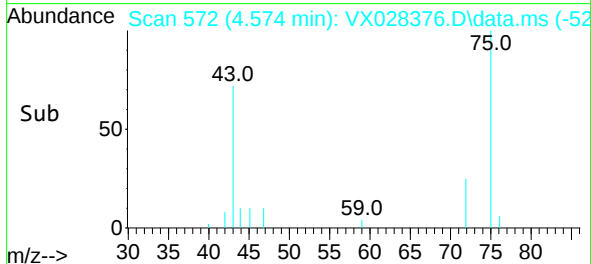
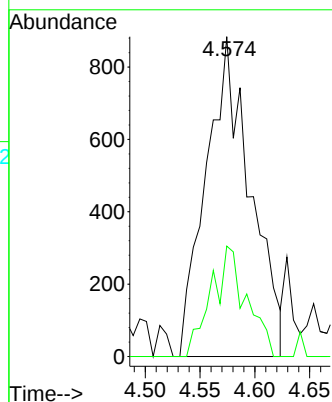
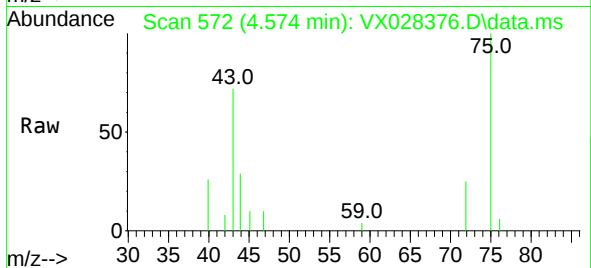




#25
2-Butanone
Concen: 0.740 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

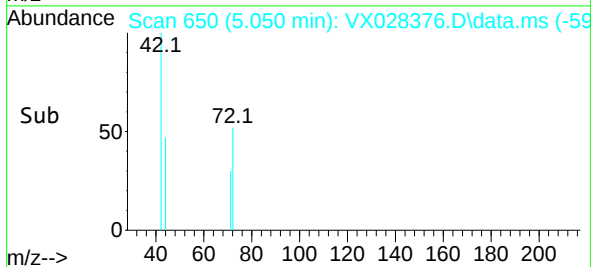
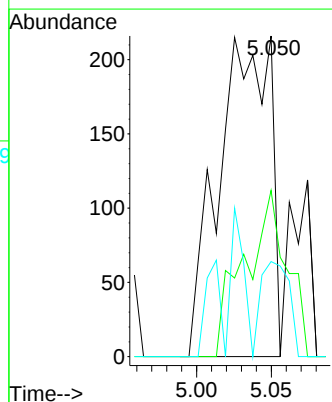
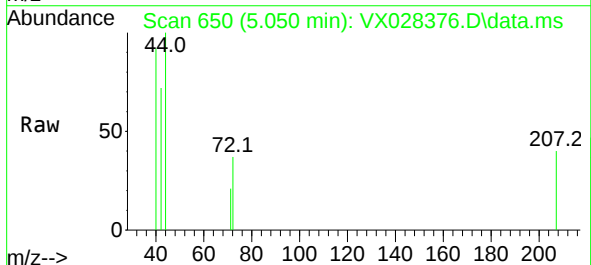
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

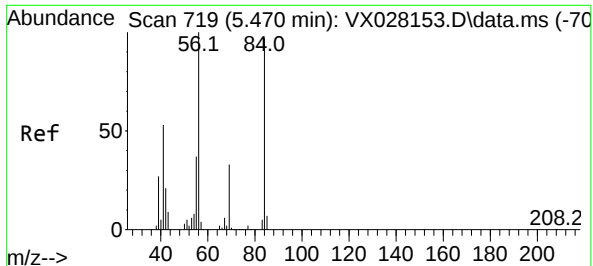
Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
72 34.5 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.043 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

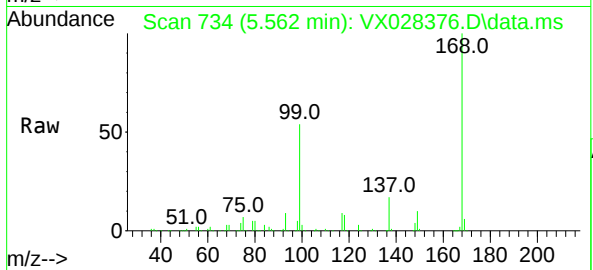
Tgt Ion: 42 Resp: 518
Ion Ratio Lower Upper
42 100
72 42.9 44.1 66.1#
71 16.4 40.5 60.7#



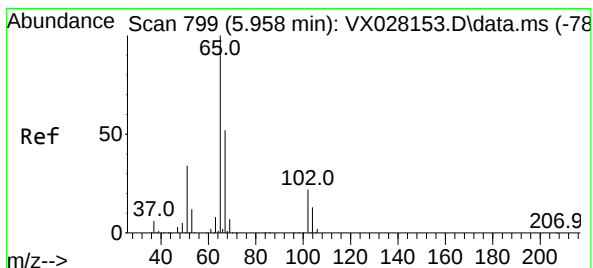
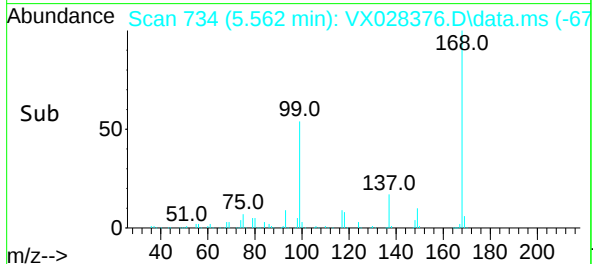
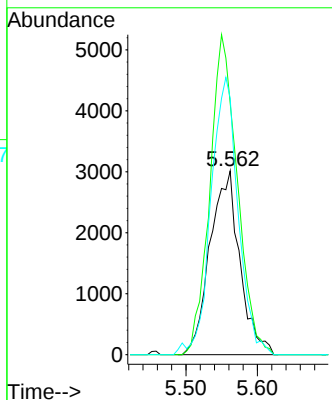


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

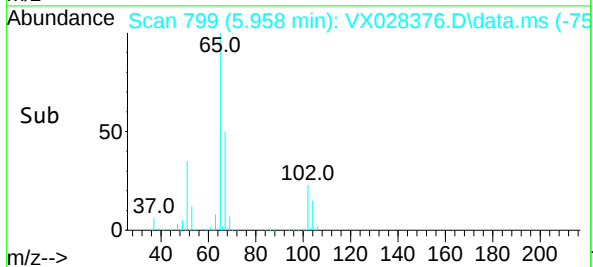
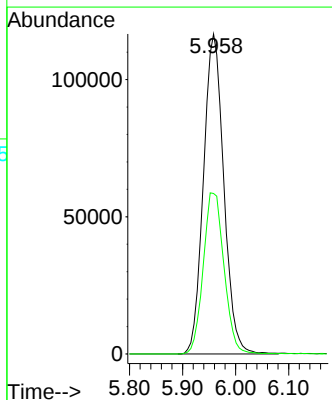
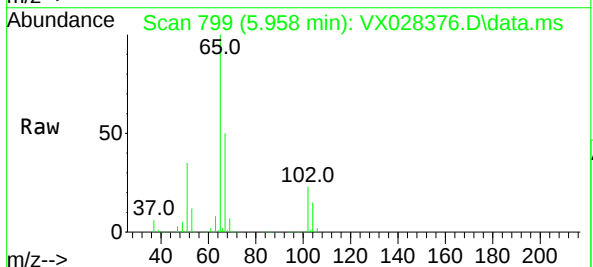


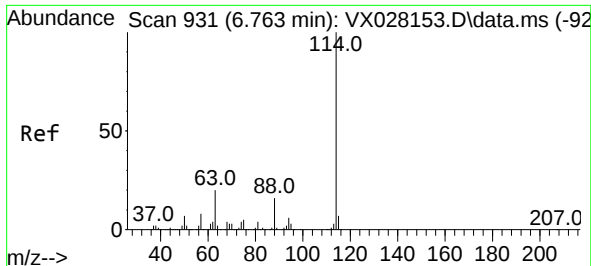
Tgt Ion: 56 Resp: 8709
Ion Ratio Lower Upper
56 100
69 136.7 26.7 40.1#
84 139.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.772 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 65 Resp: 310366
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.4

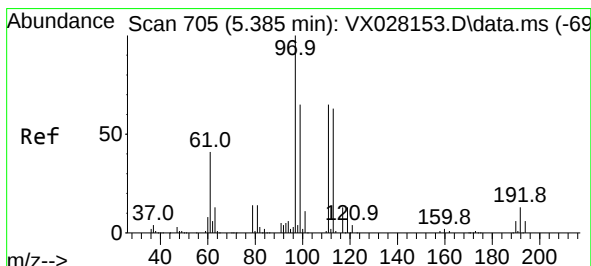
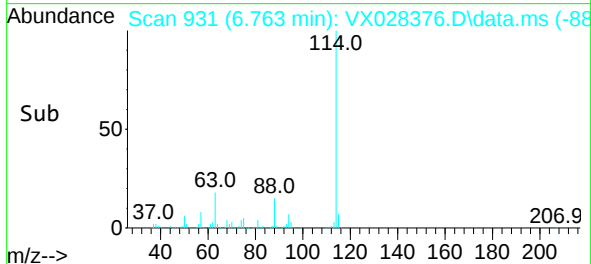
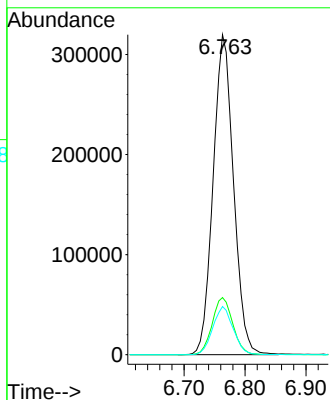
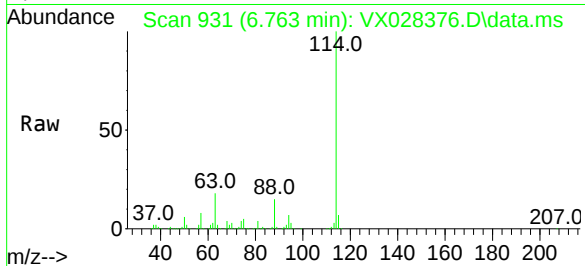




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

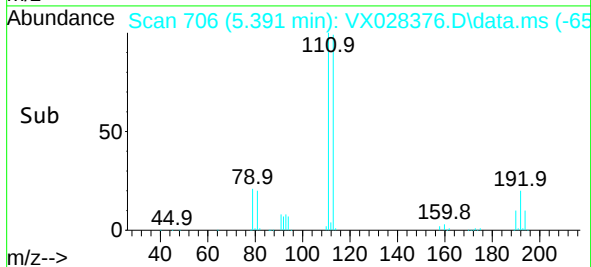
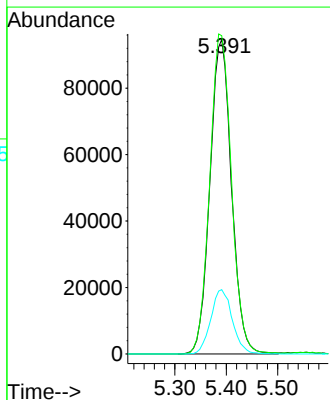
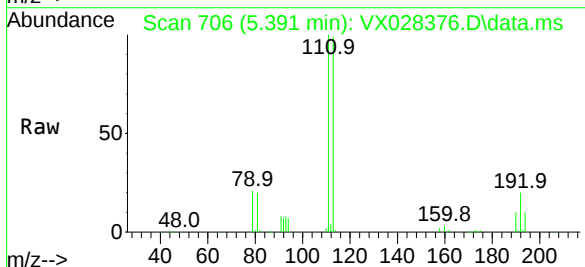
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

Tgt Ion:114 Resp: 743810
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.820 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion:113 Resp: 275523
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.4 16.9 25.3

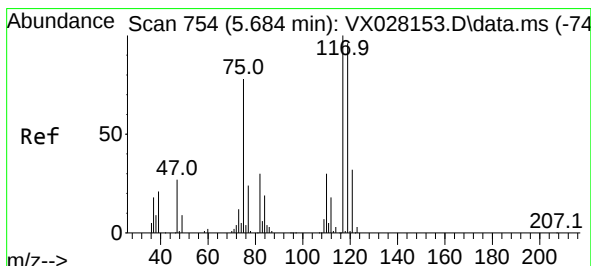
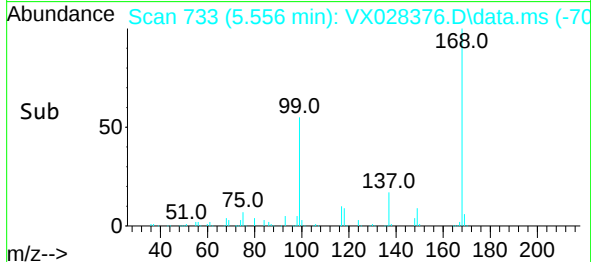
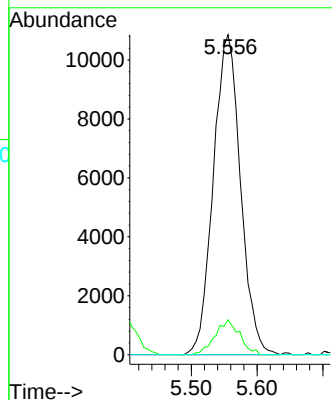
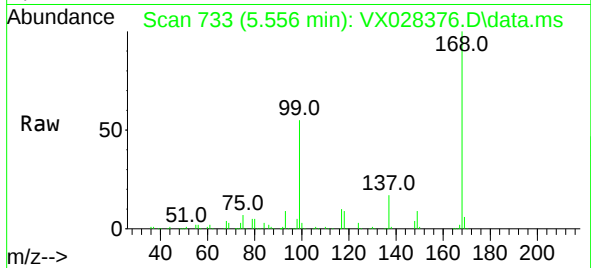




#36
1,1-Dichloropropene
Concen: 4.582 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

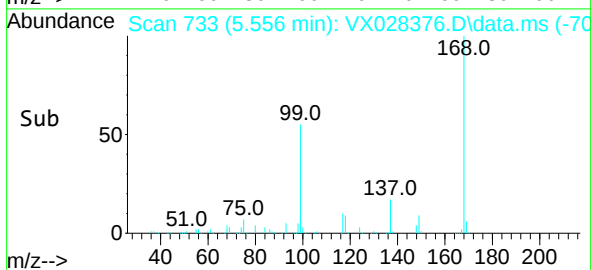
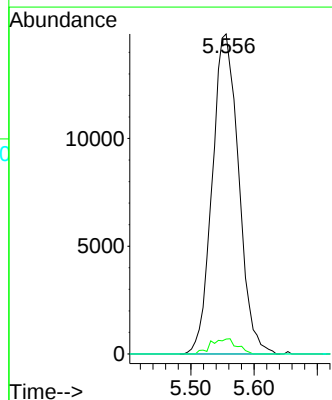
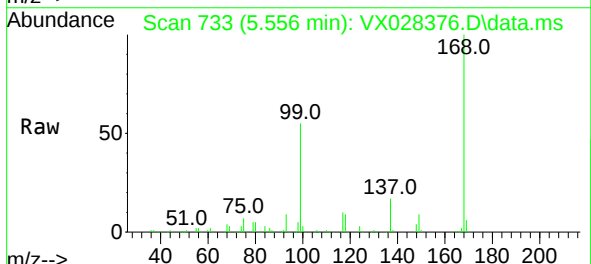
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

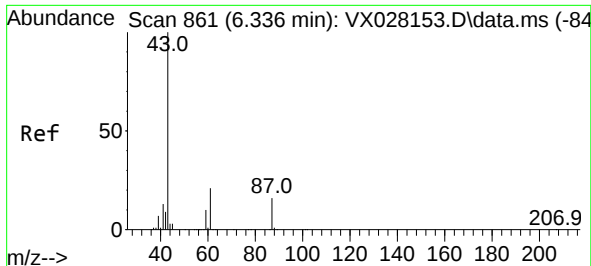
Tgt Ion: 75 Resp: 31176
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 117 Resp: 43032
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#

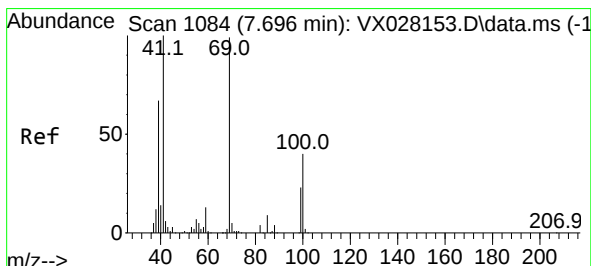
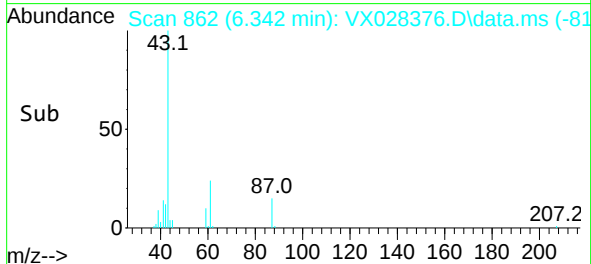
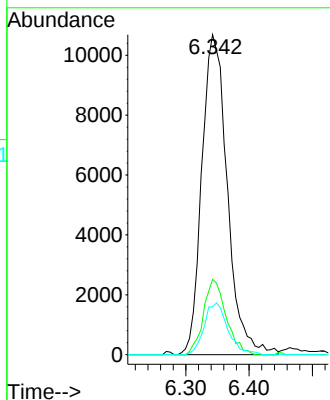
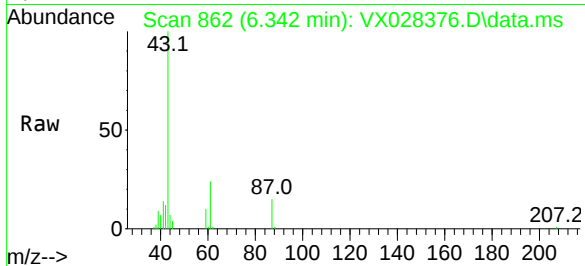




#43
Isopropyl Acetate
Concen: 2.665 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

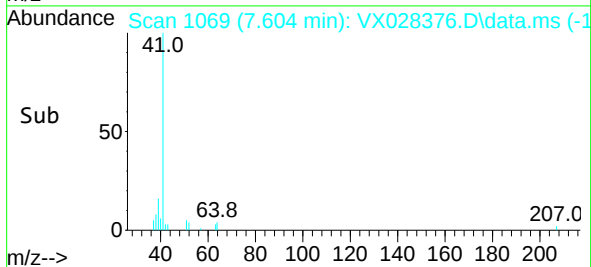
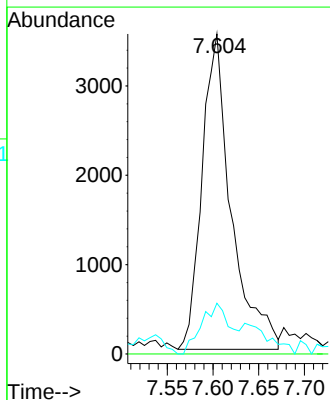
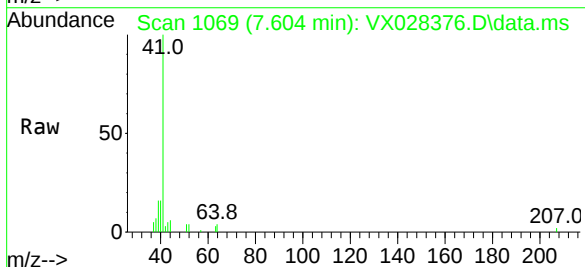
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

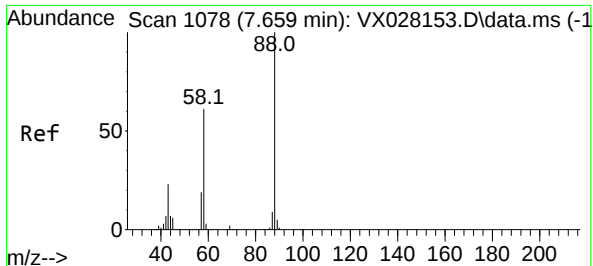
Tgt Ion: 43 Resp: 29943
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 15.1 13.0 19.6



#48
Methyl methacrylate
Concen: 1.519 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 41 Resp: 7836
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: 2.609 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028376.D

Acq: 27 Apr 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

PB144400ZHE#01

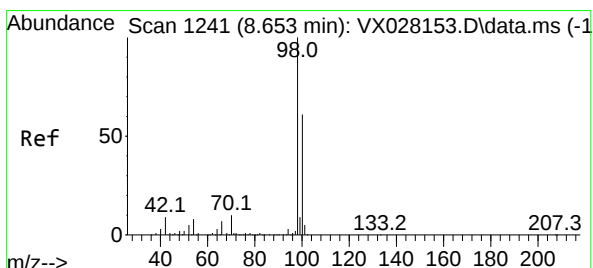
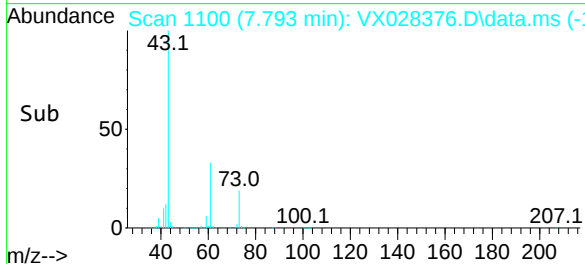
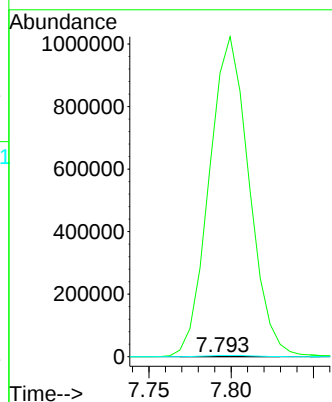
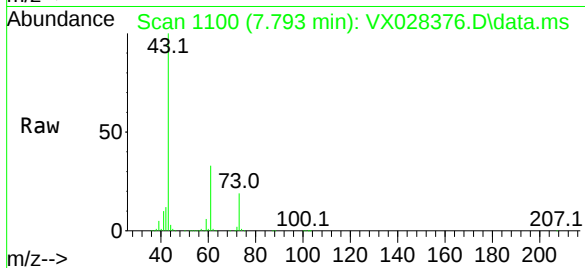
Tgt Ion: 88 Resp: 360

Ion Ratio Lower Upper

88 100

43 483254.4 21.9 32.9#

58 2231.4 53.7 80.5#



#50

Toluene-d8

Concen: 52.203 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028376.D

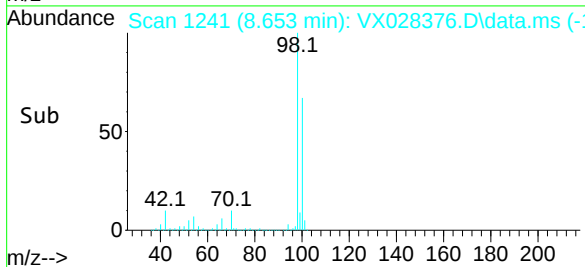
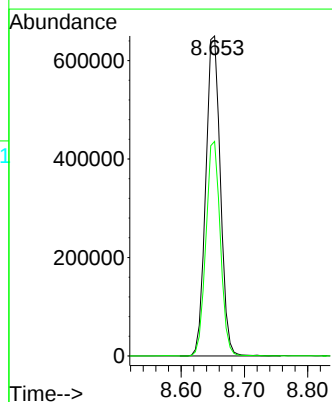
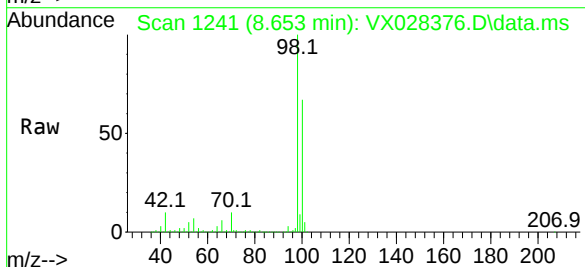
Acq: 27 Apr 2022 14:23

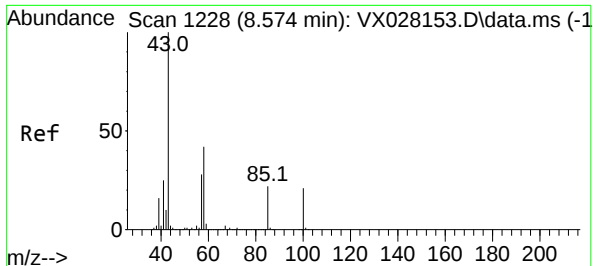
Tgt Ion: 98 Resp: 1045873

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.355 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028376.D

Acq: 27 Apr 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

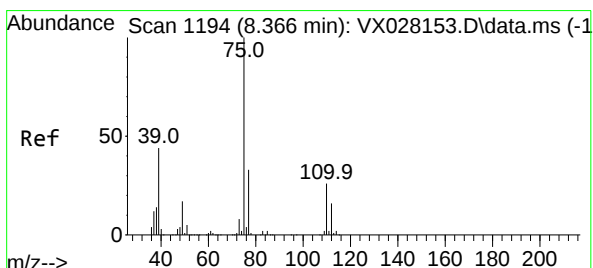
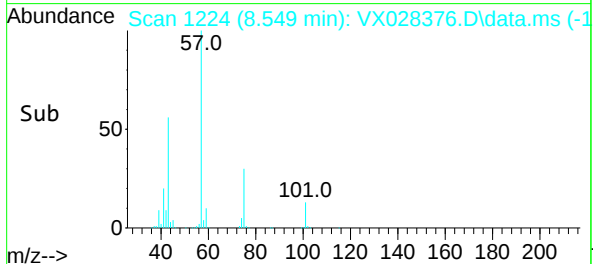
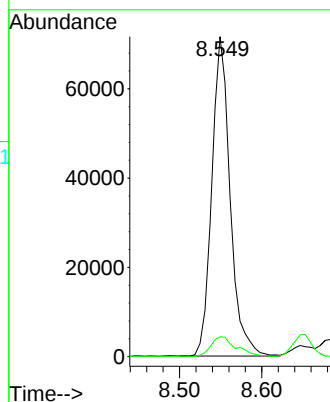
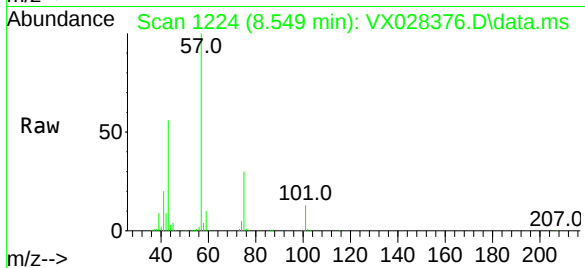
PB144400ZHE#01

Tgt Ion: 43 Resp: 110717

Ion Ratio Lower Upper

43 100

58 8.7 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 6.995 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028376.D

Acq: 27 Apr 2022 14:23

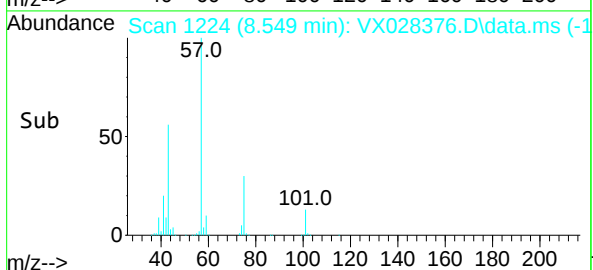
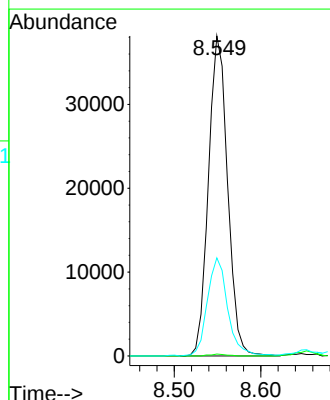
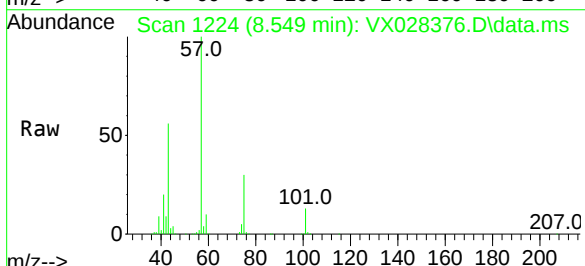
Tgt Ion: 75 Resp: 58677

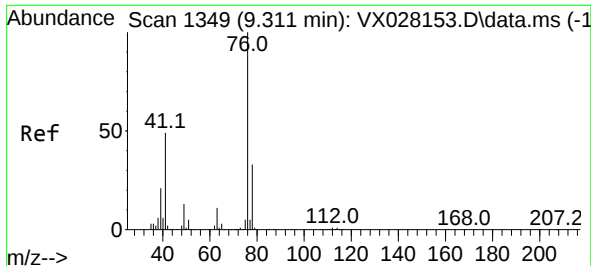
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 30.7 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.280 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028376.D

Acq: 27 Apr 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

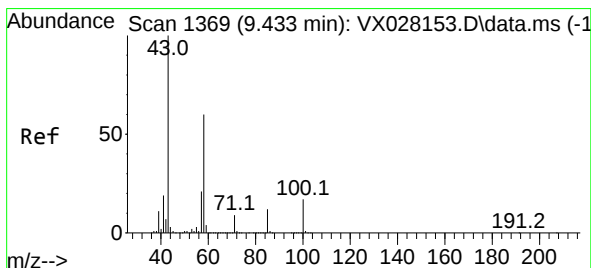
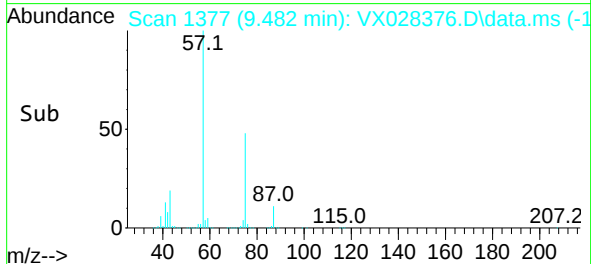
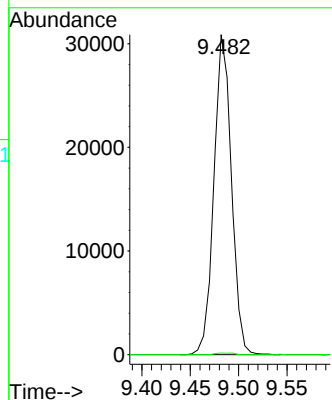
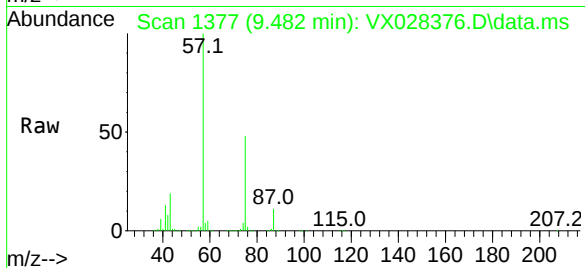
PB144400ZHE#01

Tgt Ion: 76 Resp: 38841

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 78.567 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028376.D

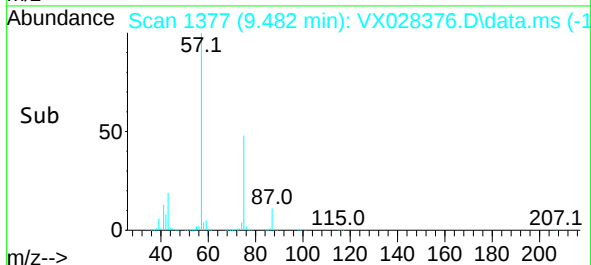
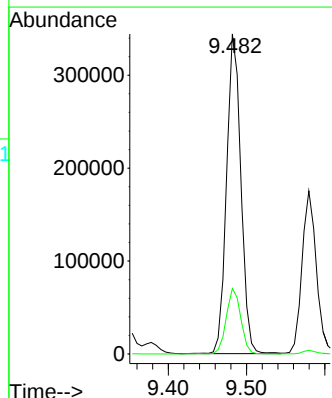
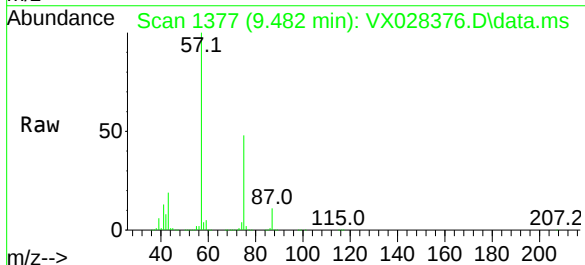
Acq: 27 Apr 2022 14:23

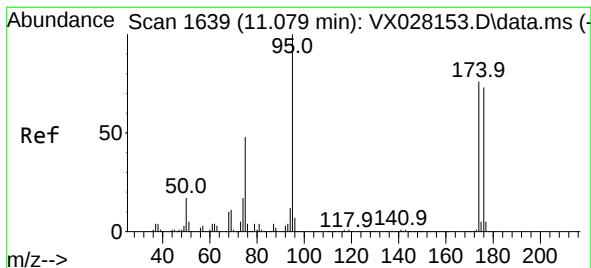
Tgt Ion: 43 Resp: 438832

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#

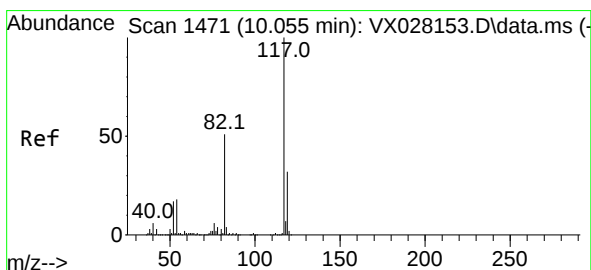
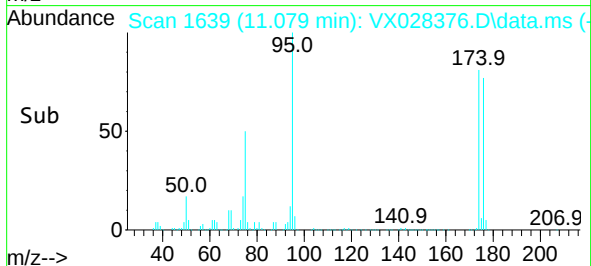
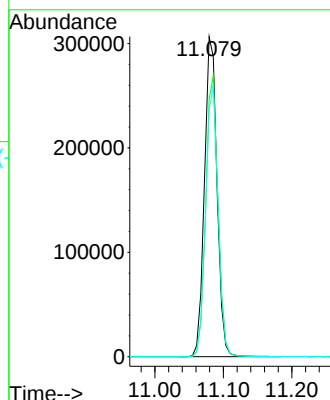
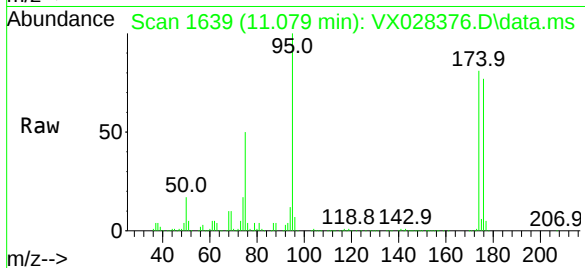




#62
4-Bromofluorobenzene
Concen: 50.951 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

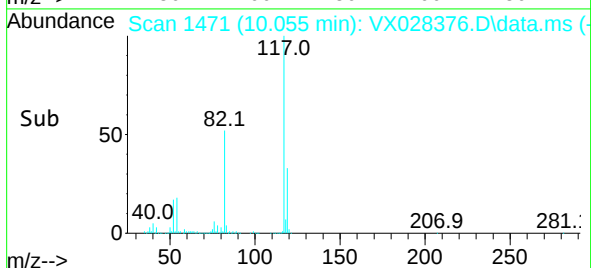
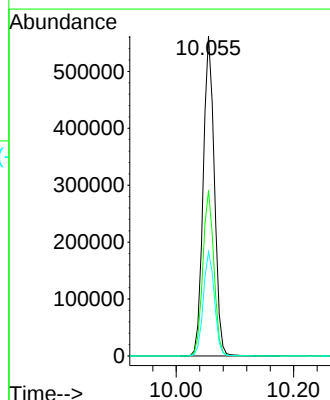
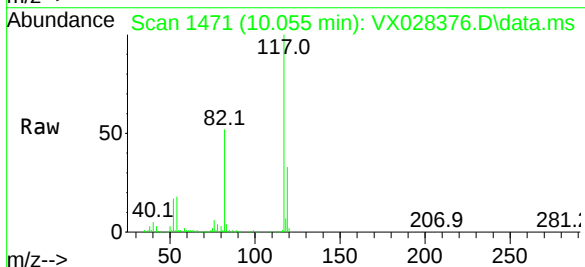
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

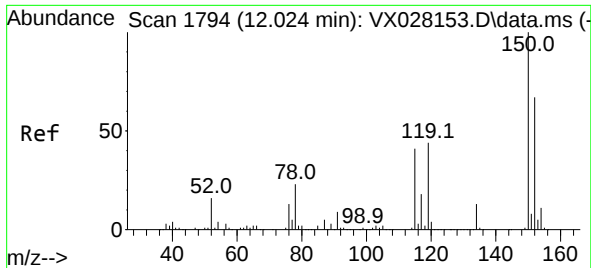
Tgt Ion: 95 Resp: 390304
Ion Ratio Lower Upper
95 100
174 86.6 0.0 163.0
176 84.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 117 Resp: 743714
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.5 24.8 37.2

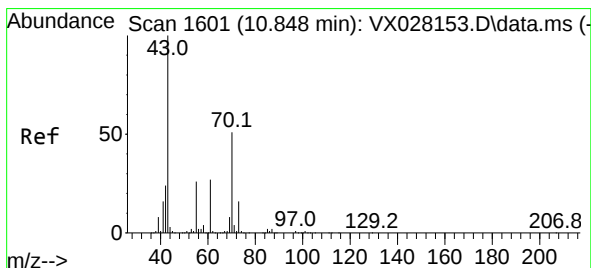
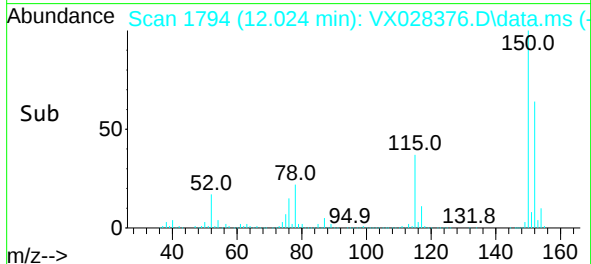
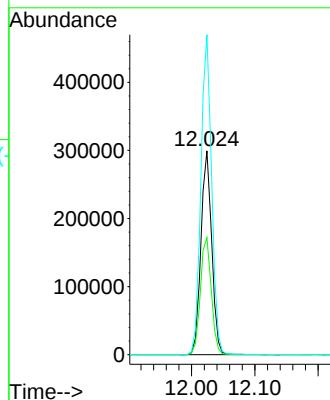
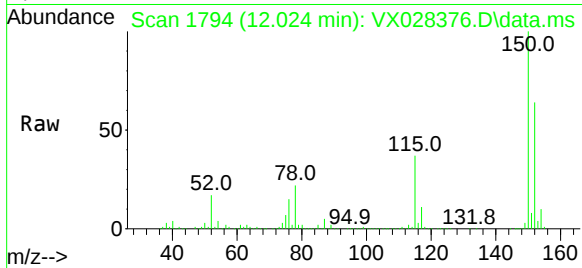




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

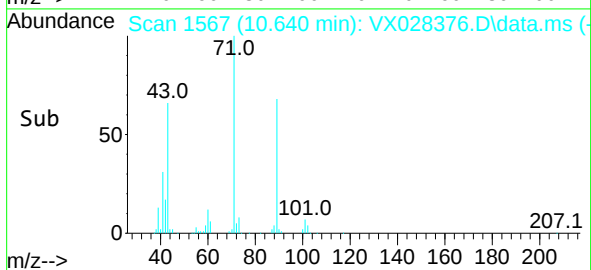
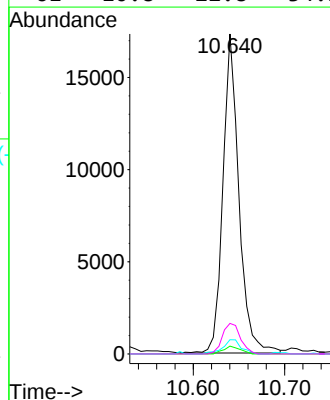
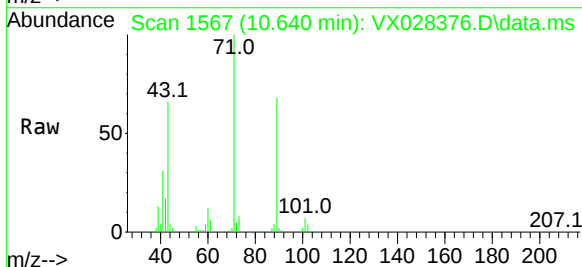
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

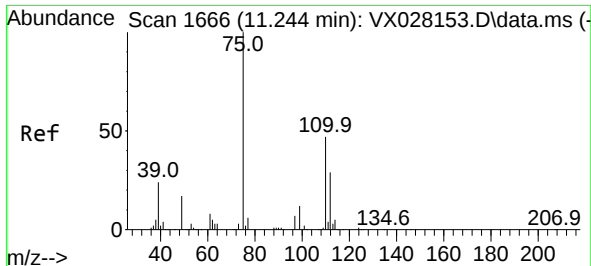
Tgt Ion:152 Resp: 355696
Ion Ratio Lower Upper
152 100
115 58.2 37.5 112.7
150 156.6 0.0 338.2



#74
N-ethyl acetate
Concen: 2.488 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

Tgt Ion: 43 Resp: 21024
Ion Ratio Lower Upper
43 100
70 2.6 42.5 63.7#
55 5.2 23.1 34.7#
61 10.8 22.8 34.2#

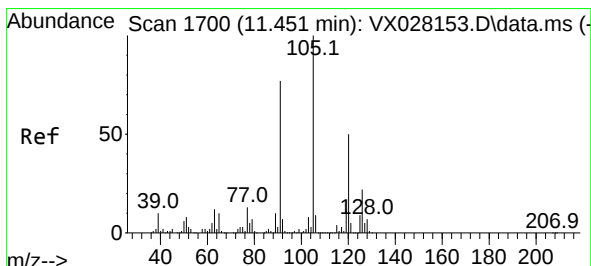
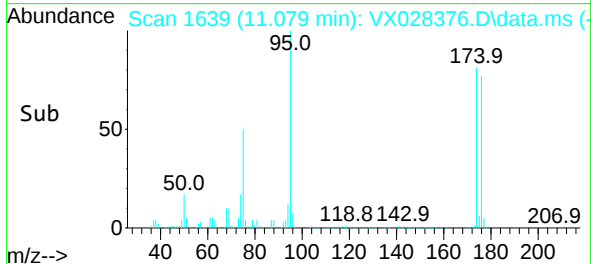
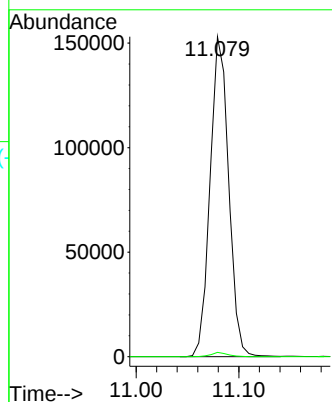
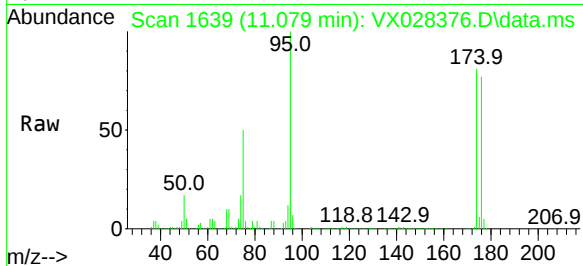




#76
1,2,3-Trichloropropane
Concen: 27.450 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

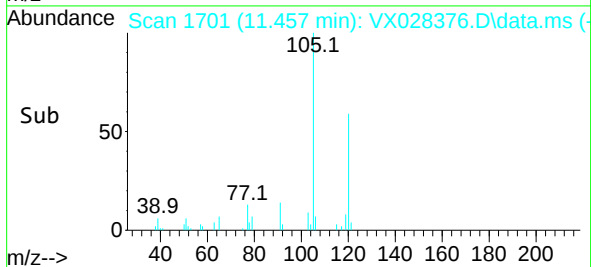
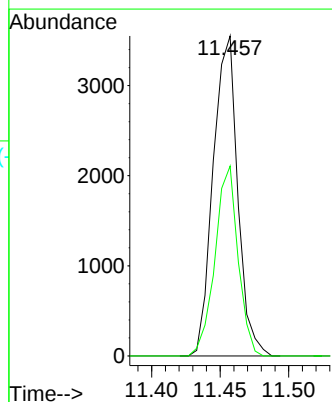
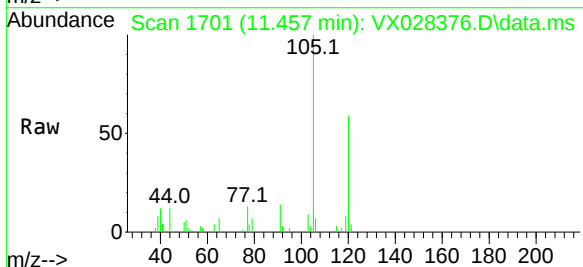
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#01

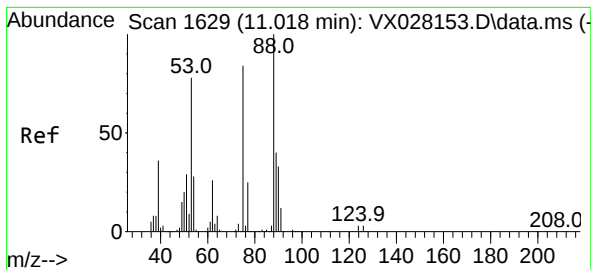
Tgt Ion: 75 Resp: 192159
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.213 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX028376.D
Acq: 27 Apr 2022 14:23

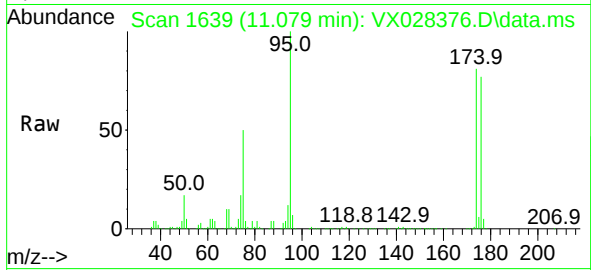
Tgt Ion: 105 Resp: 4416
Ion Ratio Lower Upper
105 100
120 55.8 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.574 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028376.D
 Acq: 27 Apr 2022 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400ZHE#01



Tgt Ion: 75 Resp: 192159
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

