

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029300.D
 Acq On : 08 Jun 2022 01:54
 Operator : JC/MD
 Sample : PB145355ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#04

Quant Time: Jun 08 03:19:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

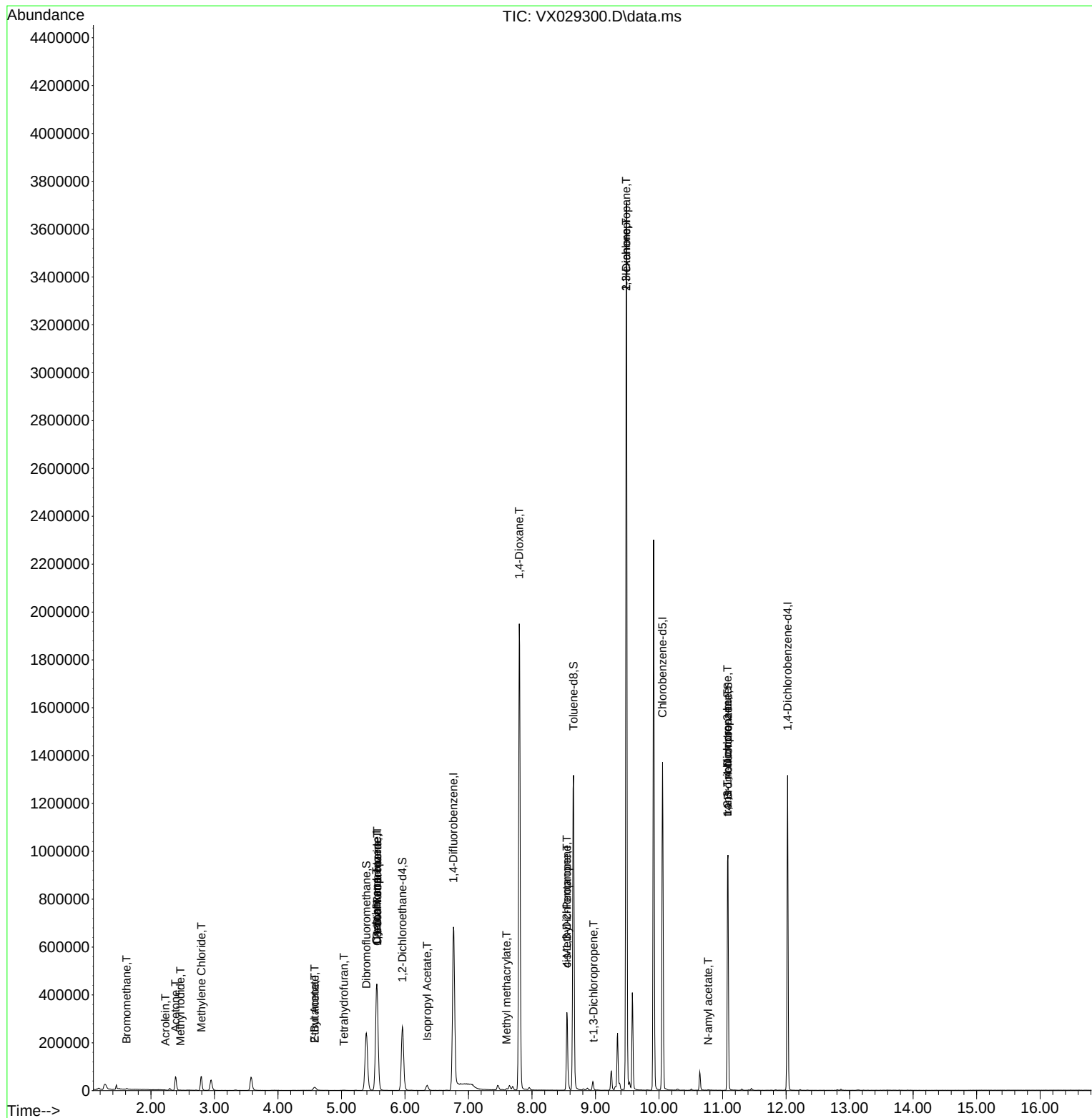
Internal Standards						
1) Pentafluorobenzene	5.556	168	414161	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	699010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	614378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	255177	40.130	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	80.260%
35) Dibromofluoromethane	5.391	113	212422	35.746	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	71.500%
50) Toluene-d8	8.653	98	802793	38.197	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	76.400%
62) 4-Bromofluorobenzene	11.085	95	283212	34.434	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	68.860%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	1165	0.299	ug/l	94
6) Chloroethane	1.684	64	592	Below Cal	#	43
10) Methyl Iodide	2.465	142	900	1.346	ug/l	# 86
11) Tert butyl alcohol	2.946	59	26609	Below Cal	#	76
13) Acrolein	2.227	56	253	0.331	ug/l	99
16) Acetone	2.386	43	65044	19.414	ug/l	93
20) Methylene Chloride	2.794	84	27690	3.701	ug/l	96
25) 2-Butanone	4.574	43	9257	1.747	ug/l	89
29) Tetrahydrofuran	5.038	42	729	0.211	ug/l	# 75
31) Cyclohexane	5.550	56	8033	0.715	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	32687	3.330	ug/l	# 50
37) Ethyl Acetate	4.574	43	9257	0.914	ug/l	# 69
38) Carbon Tetrachloride	5.562	117	44776	4.463	ug/l	# 15
41) Methacrylonitrile	4.922	41	44	Below Cal	#	18
43) Isopropyl Acetate	6.348	43	28493	1.872	ug/l	98
48) Methyl methacrylate	7.598	41	8901	1.163	ug/l	# 7
49) 1,4-Dioxane	7.799	88	259	1.315	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	107195	10.759	ug/l	# 46
53) t-1,3-Dichloropropene	8.970	75	81	1.324	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	55078	4.994	ug/l	# 66
57) 1,3-Dichloropropane	9.482	76	35016	2.737	ug/l	# 43
59) 2-Hexanone	9.482	43	418063	55.191	ug/l	# 44
74) N-amyl acetate	10.774	43	1375	0.202	ug/l	# 40
76) 1,2,3-Trichloropropane	11.079	75	140148	23.447	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	140148	71.907	ug/l	# 15

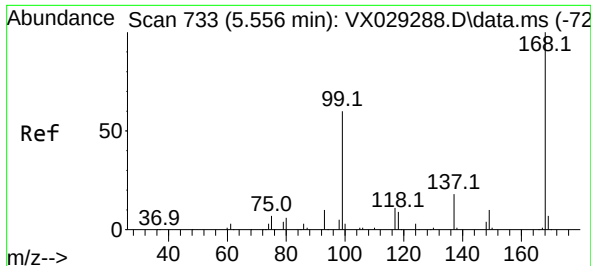
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jun 08 03:19:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
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QLast Update : Wed Jun 08 03:00:38 2022
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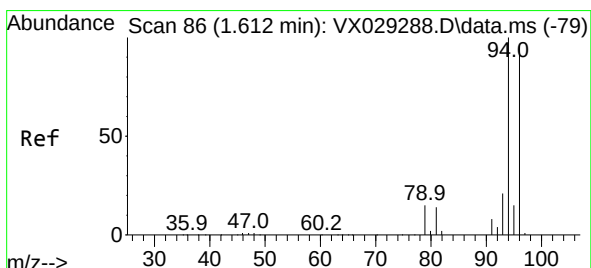
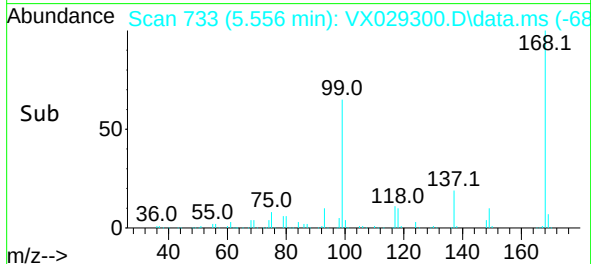
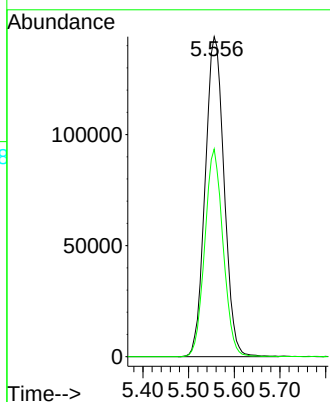
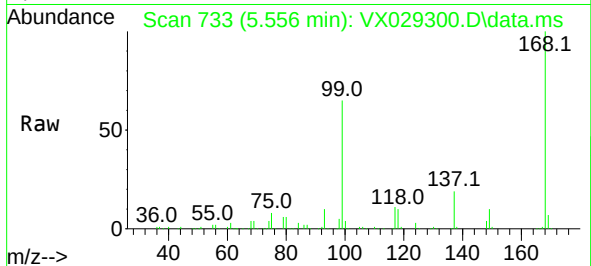




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

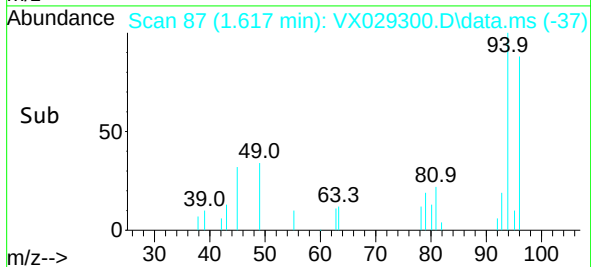
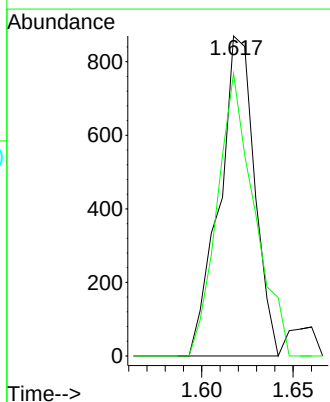
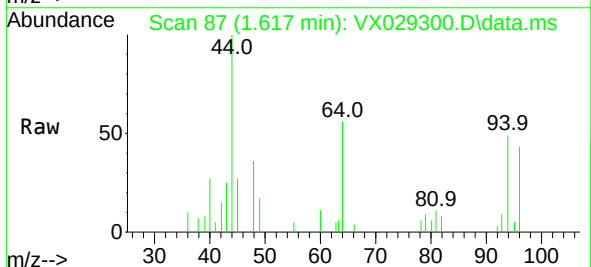
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

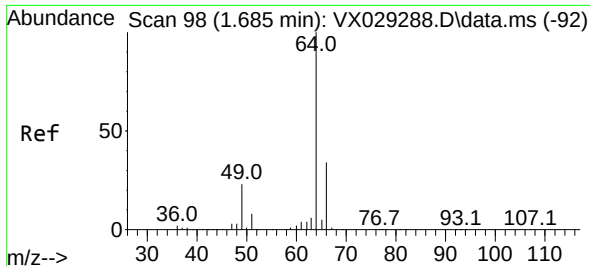
Tgt Ion:168 Resp: 414161
Ion Ratio Lower Upper
168 100
99 64.9 41.7 62.5#



#5
Bromomethane
Concen: 0.299 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 94 Resp: 1165
Ion Ratio Lower Upper
94 100
96 88.3 75.3 112.9

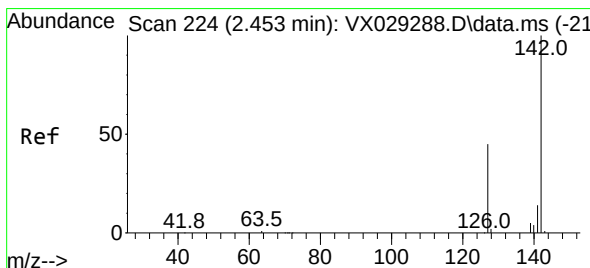
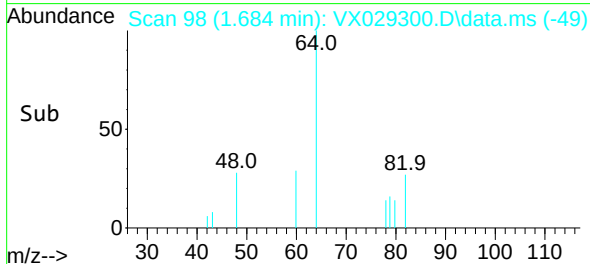
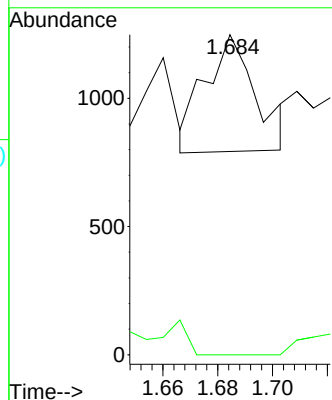
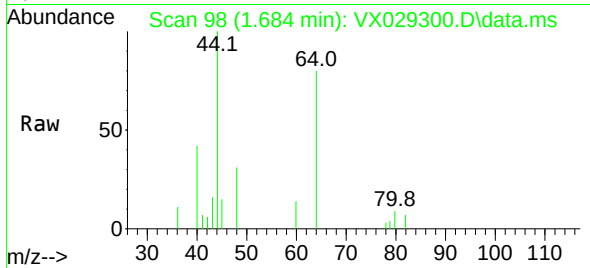




#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

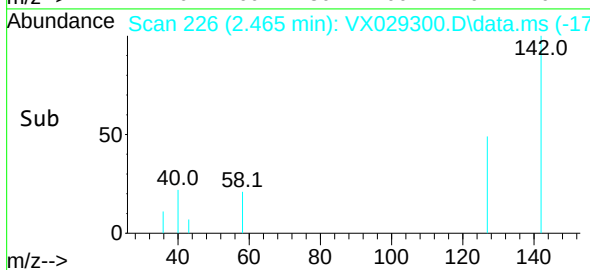
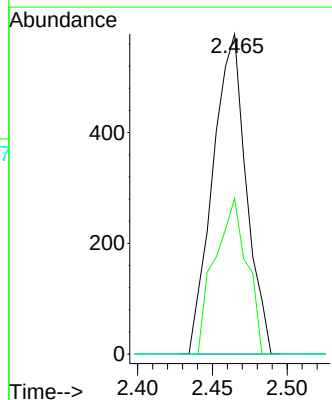
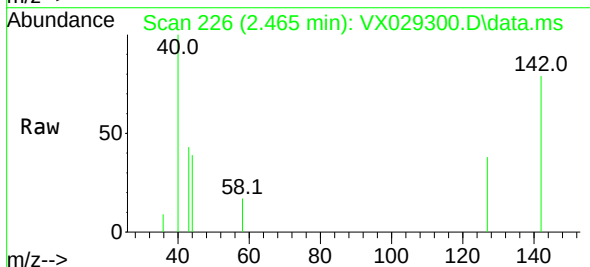
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

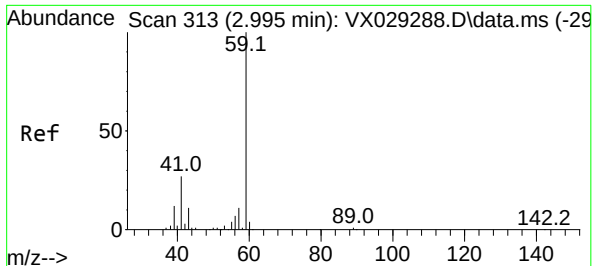
Tgt Ion: 64 Resp: 592
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 1.346 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 142 Resp: 900
Ion Ratio Lower Upper
142 100
127 46.7 33.9 50.9
141 0.0 11.4 17.2#

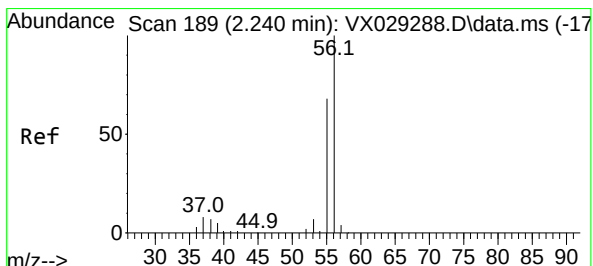
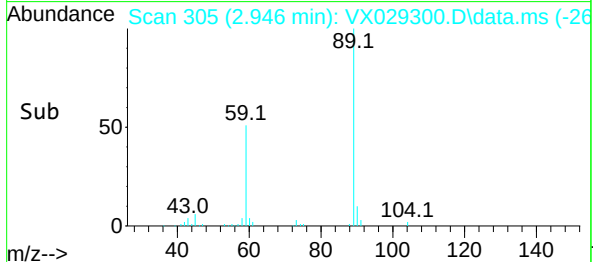
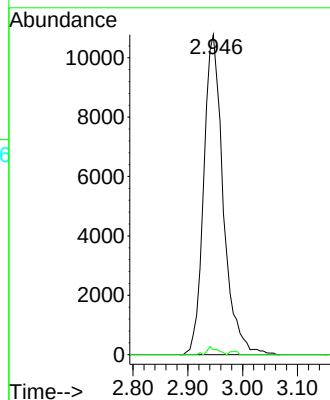
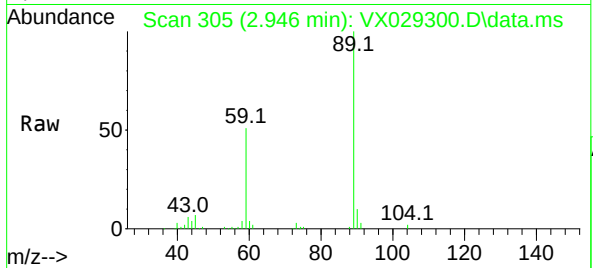




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

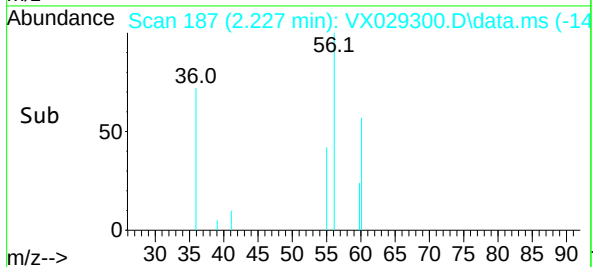
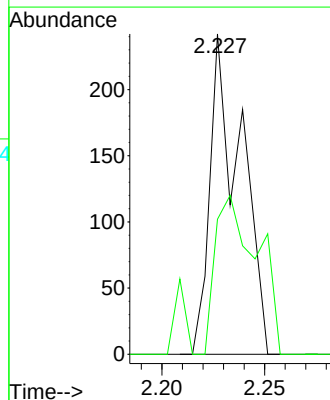
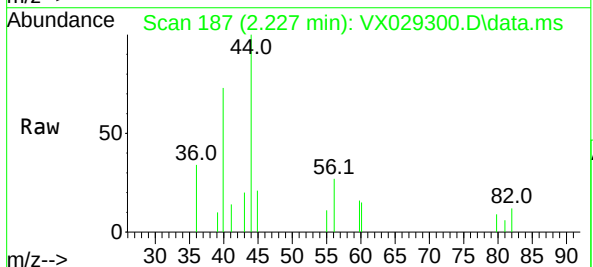
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

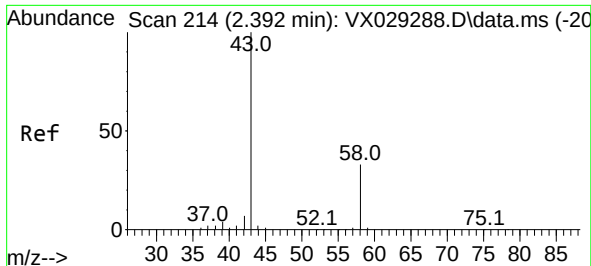
Tgt Ion: 59 Resp: 26609
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#



#13
Acrolein
Concen: 0.331 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 67.6 55.0 82.6

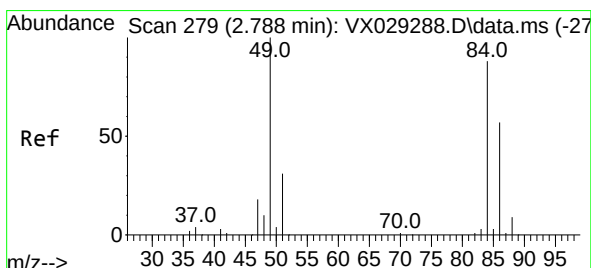
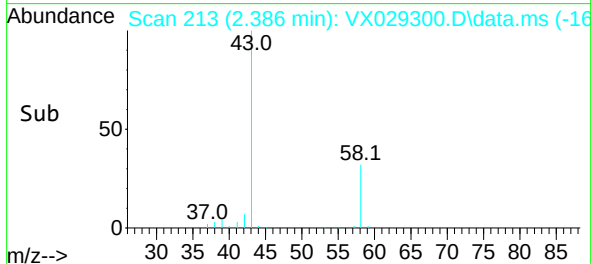
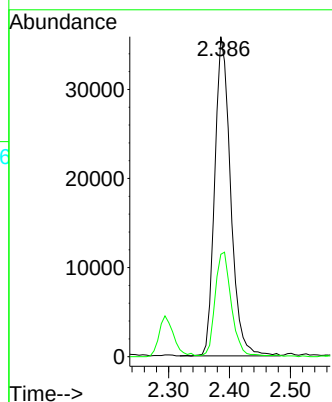
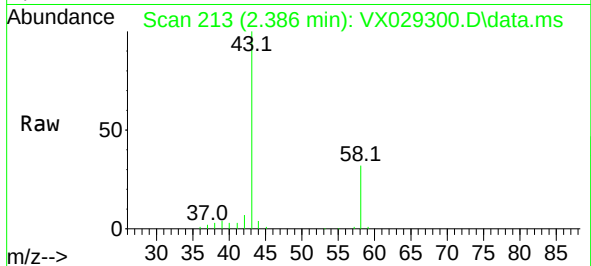




#16
Acetone
Concen: 19.414 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

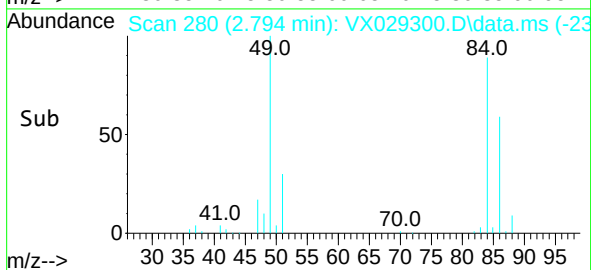
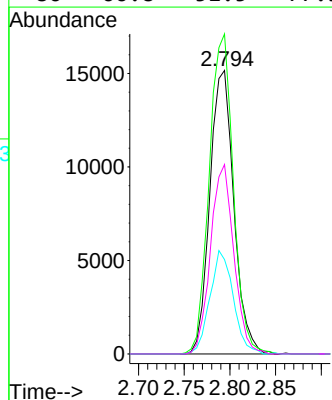
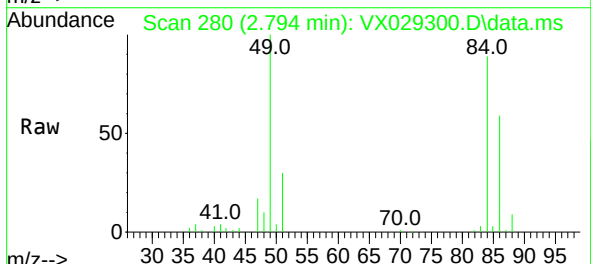
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

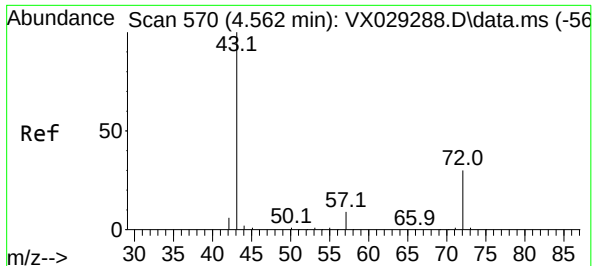
Tgt Ion: 43 Resp: 65044
Ion Ratio Lower Upper
43 100
58 31.7 28.8 43.2



#20
Methylene Chloride
Concen: 3.701 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 84 Resp: 27690
Ion Ratio Lower Upper
84 100
49 112.9 85.5 128.3
51 33.3 26.6 39.8
86 66.8 51.5 77.3





#25

2-Butanone

Concen: 1.747 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029300.D

Acq: 08 Jun 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

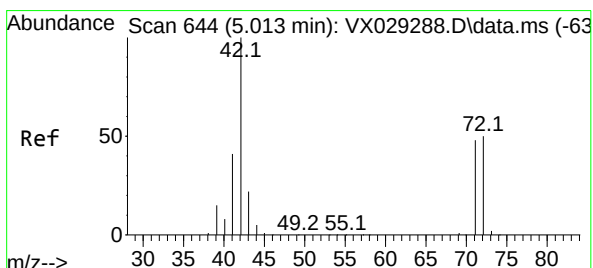
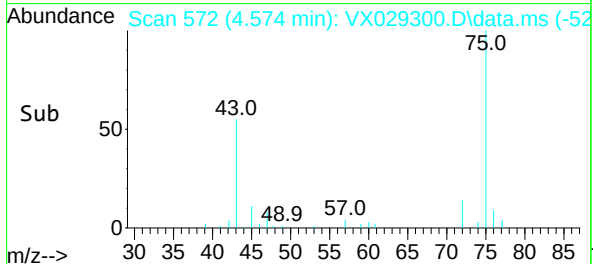
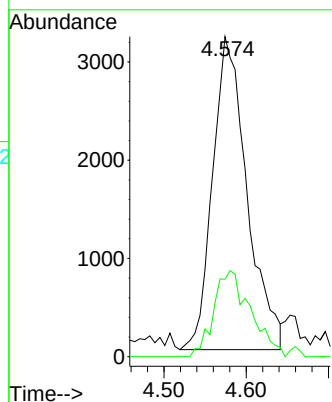
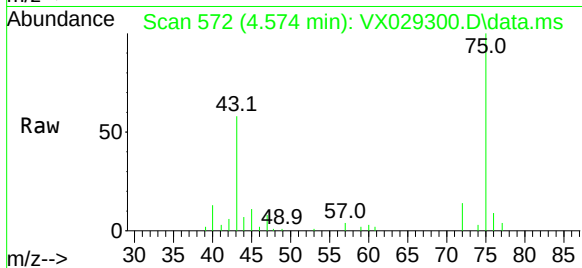
PB145355ZHE#04

Tgt Ion: 43 Resp: 9257

Ion Ratio Lower Upper

43 100

72 24.7 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX029300.D

Acq: 08 Jun 2022 01:54

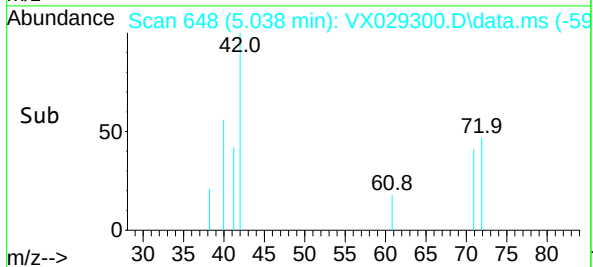
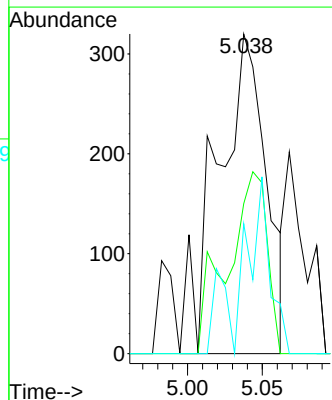
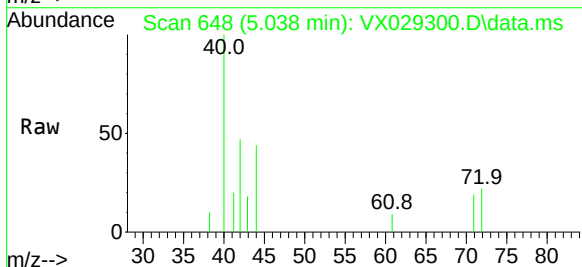
Tgt Ion: 42 Resp: 729

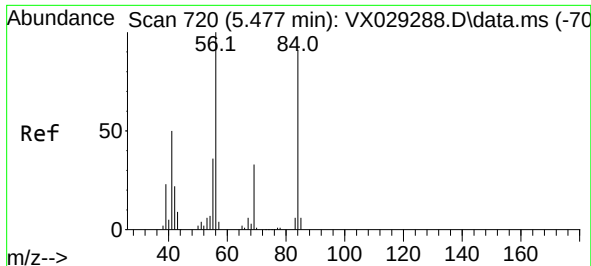
Ion Ratio Lower Upper

42 100

72 46.1 44.1 66.1

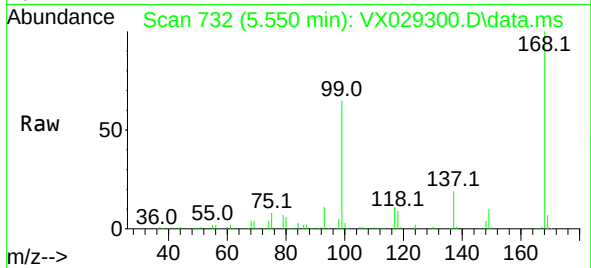
71 24.4 40.5 60.7#



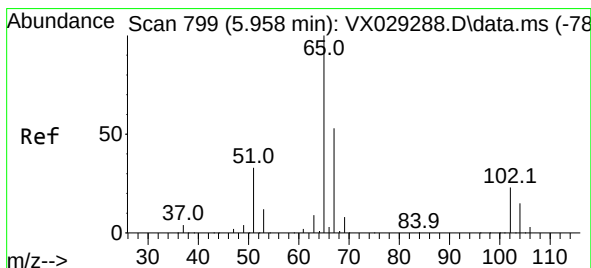
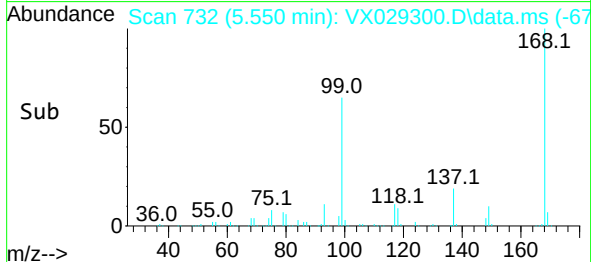
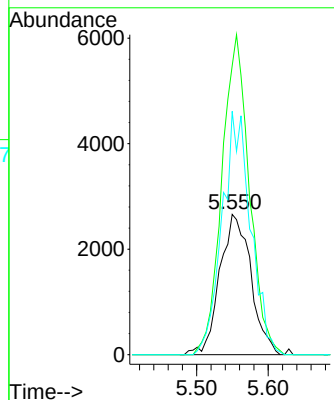


#31
Cyclohexane
Concen: 0.715 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Instrument :
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ClientSampleId :
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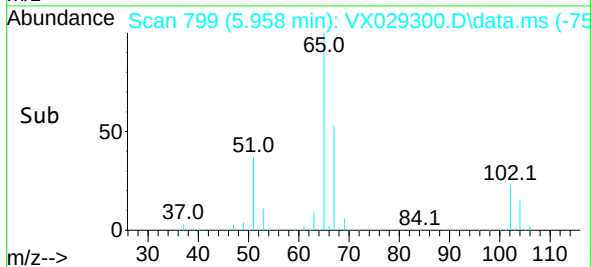
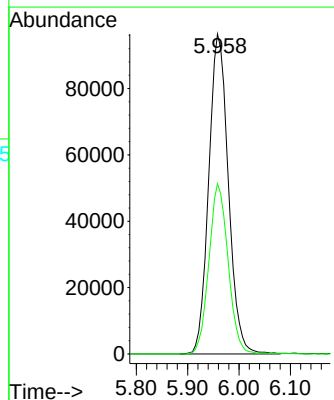
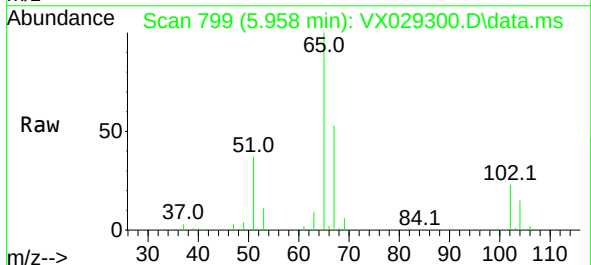


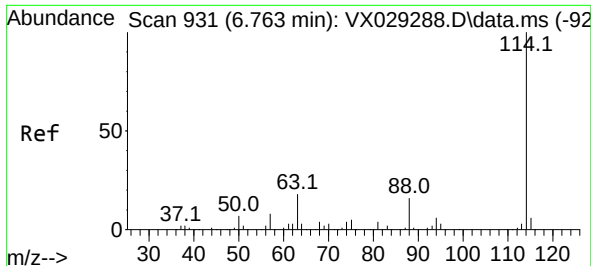
Tgt Ion: 56 Resp: 8033
Ion Ratio Lower Upper
56 100
69 205.9 26.7 40.1#
84 173.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 40.130 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 65 Resp: 255177
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4

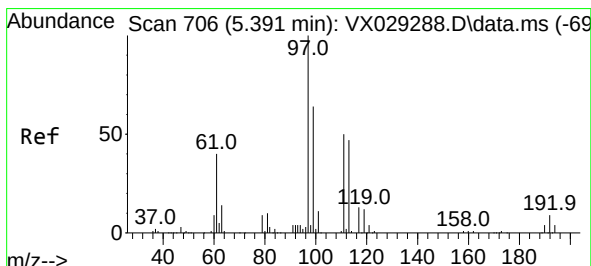
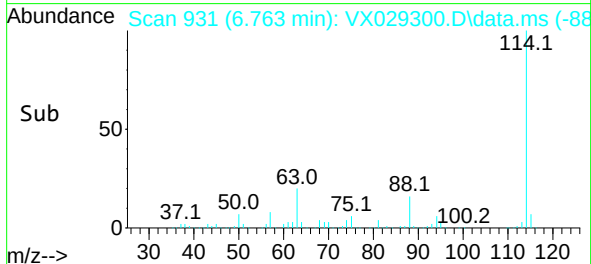
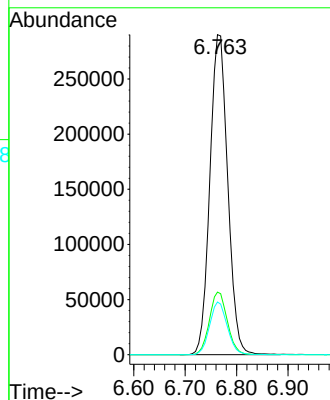
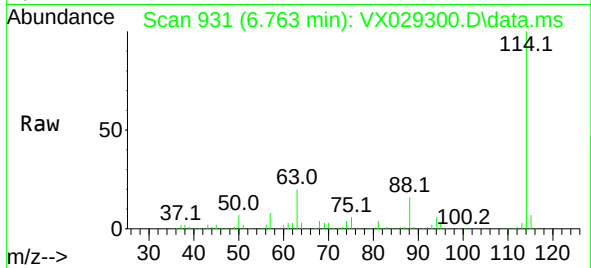




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

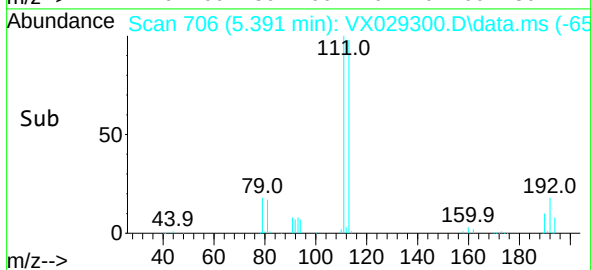
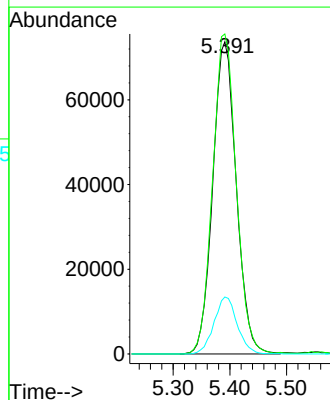
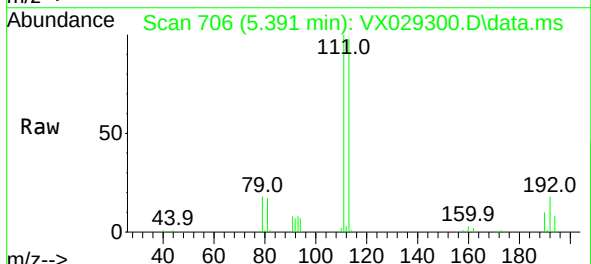
Instrument :
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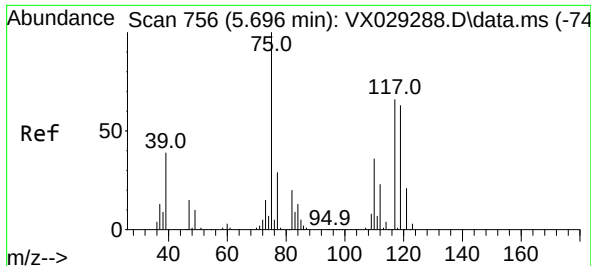
Tgt Ion:114 Resp: 699010
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.8
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 35.746 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion:113 Resp: 212422
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 18.0 16.9 25.3

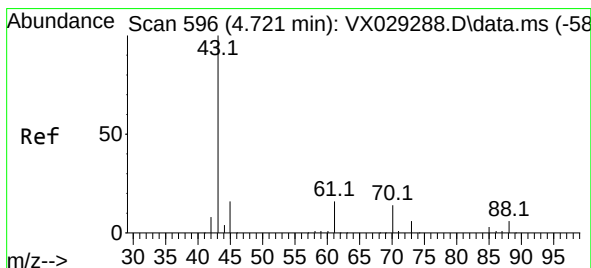
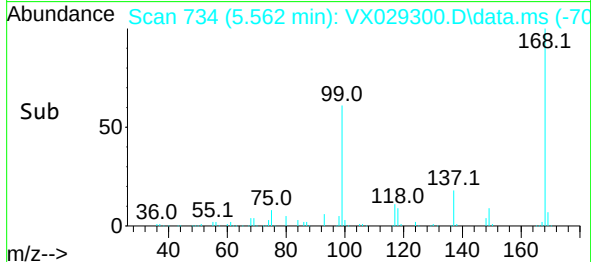
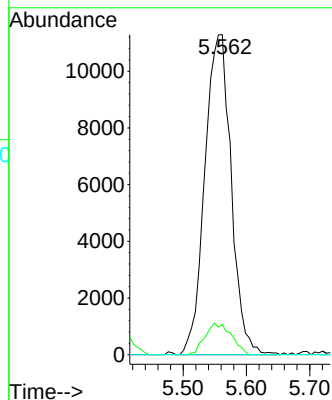
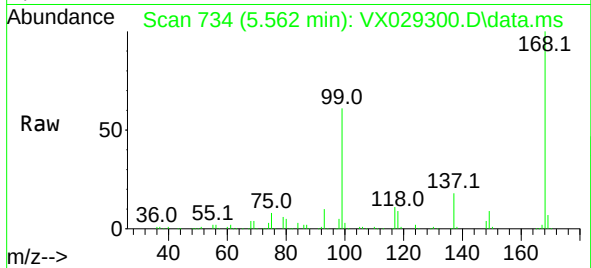




#36
1,1-Dichloropropene
Concen: 3.330 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

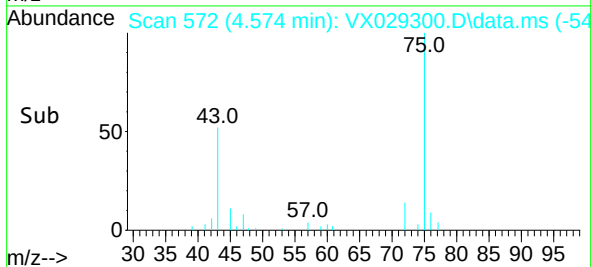
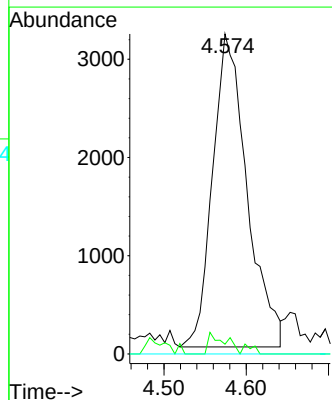
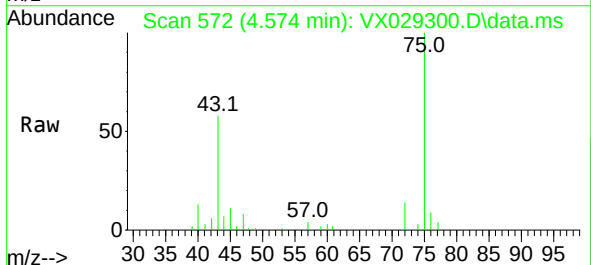
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

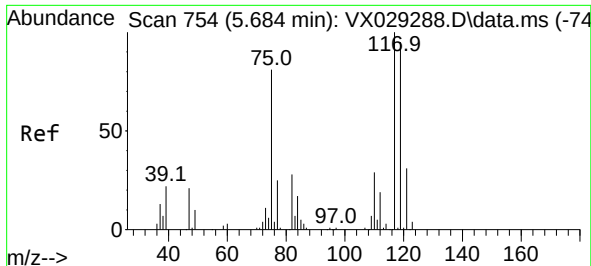
Tgt Ion: 75 Resp: 32687
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 0.914 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.147 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 43 Resp: 9257
Ion Ratio Lower Upper
43 100
61 3.3 12.6 19.0#
70 0.0 10.2 15.2#

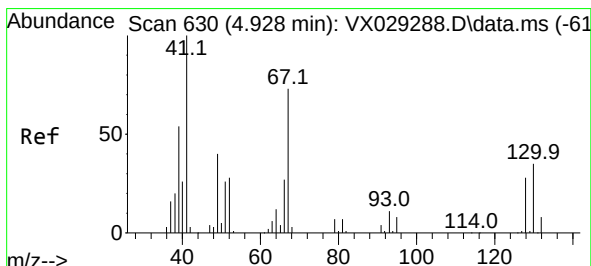
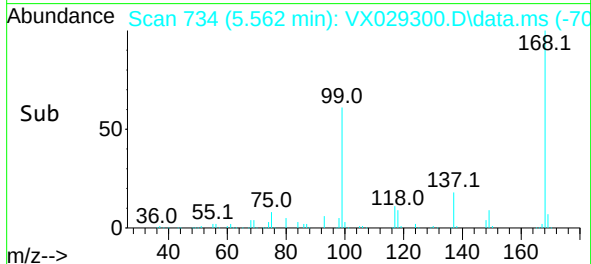
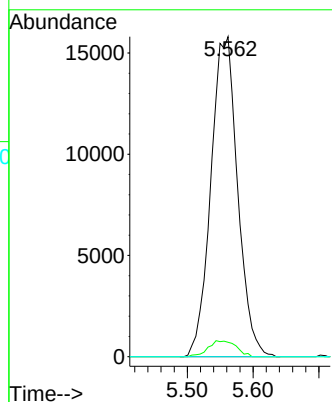
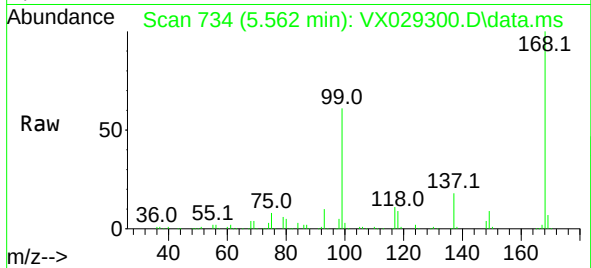




#38
Carbon Tetrachloride
Concen: 4.463 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

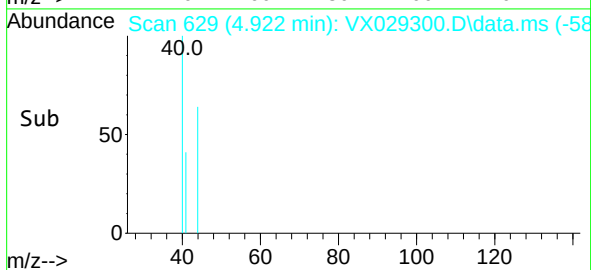
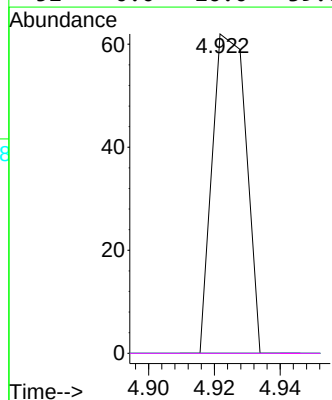
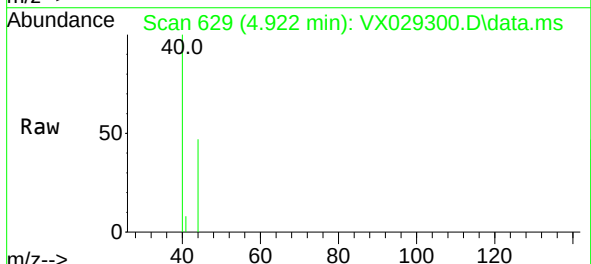
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

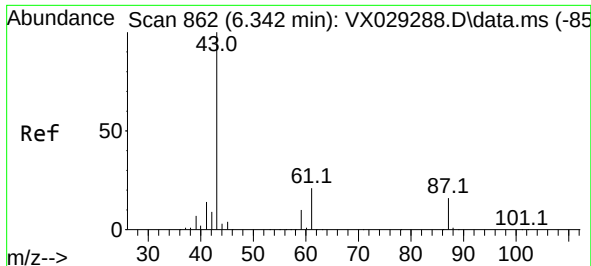
Tgt Ion:117 Resp: 44776
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.922 min Scan# 629
Delta R.T. -0.006 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 41 Resp: 44
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

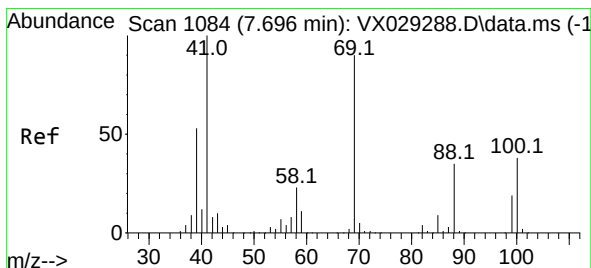
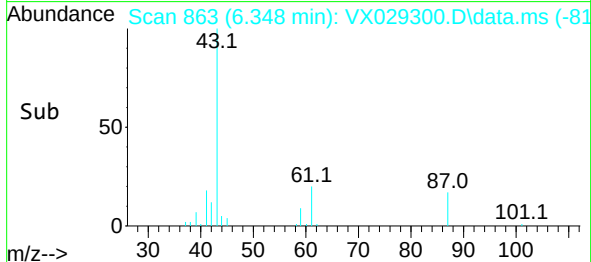
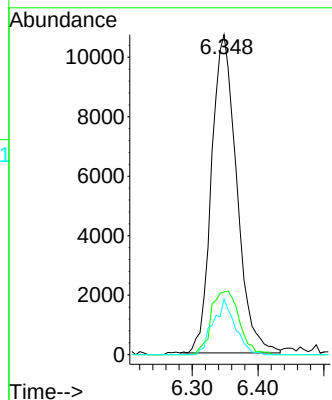
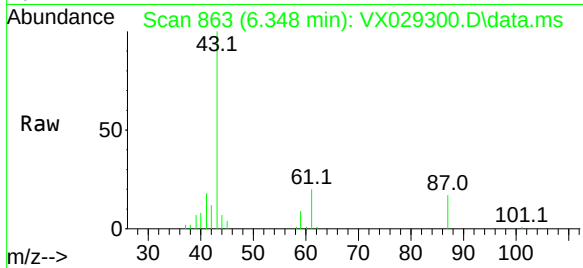




#43
Isopropyl Acetate
Concen: 1.872 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

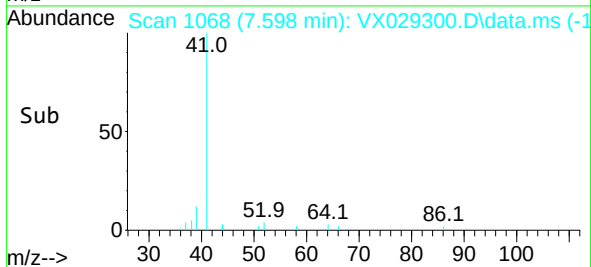
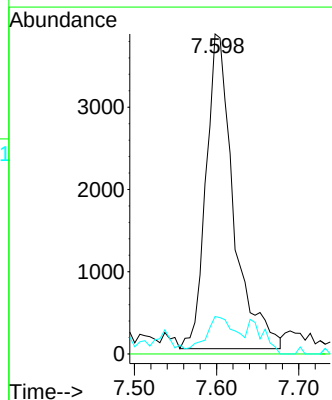
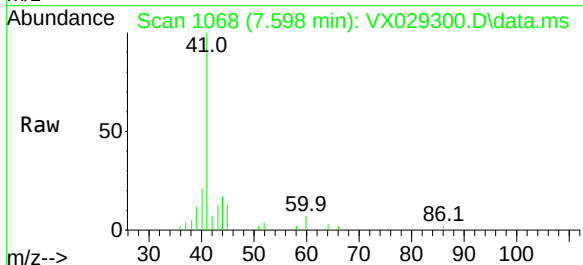
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

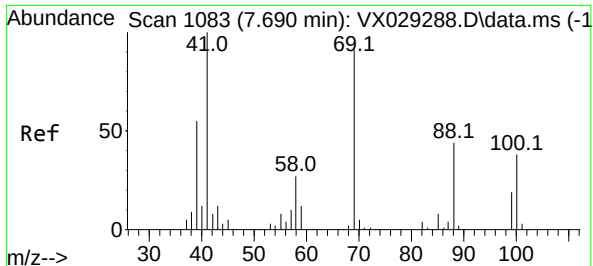
Tgt Ion: 43 Resp: 28493
Ion Ratio Lower Upper
43 100
61 22.4 18.5 27.7
87 15.3 13.0 19.6



#48
Methyl methacrylate
Concen: 1.163 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 41 Resp: 8901
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: 1.315 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX029300.D

Acq: 08 Jun 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#04

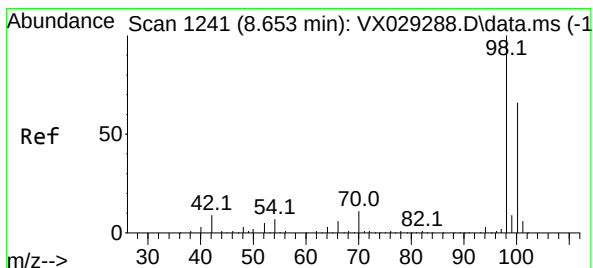
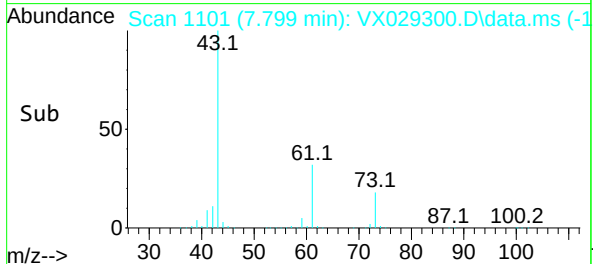
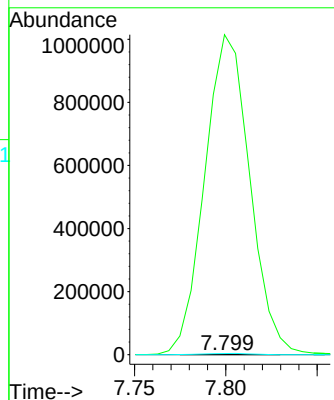
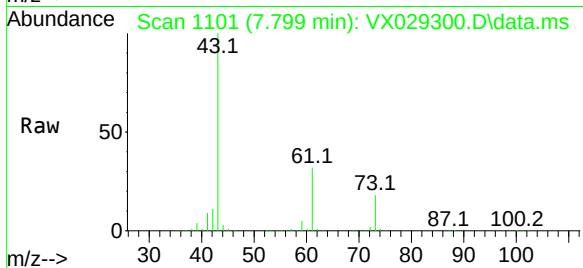
Tgt Ion: 88 Resp: 259

Ion Ratio Lower Upper

88 100

43 677123.2 21.9 32.9#

58 2817.8 53.7 80.5#



#50

Toluene-d8

Concen: 38.197 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029300.D

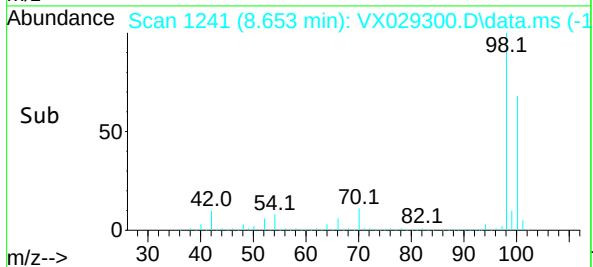
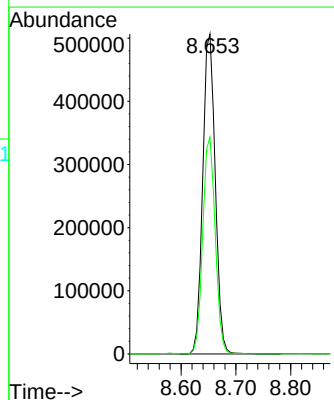
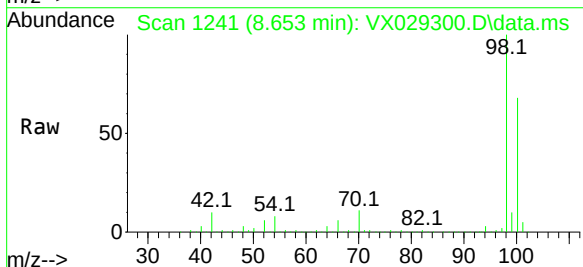
Acq: 08 Jun 2022 01:54

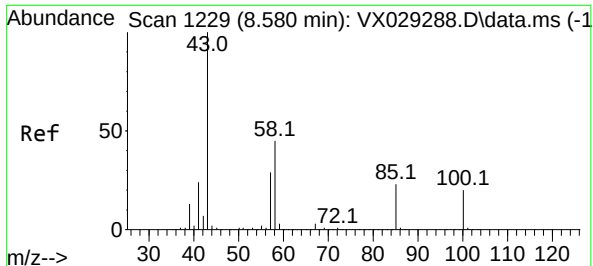
Tgt Ion: 98 Resp: 802793

Ion Ratio Lower Upper

98 100

100 67.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 10.759 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX029300.D

Acq: 08 Jun 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

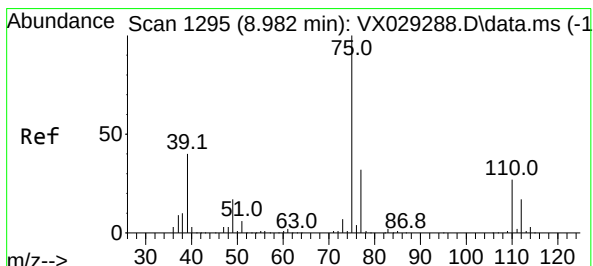
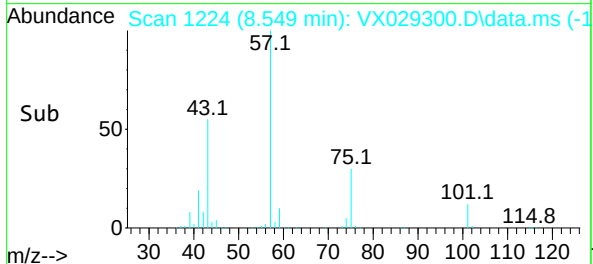
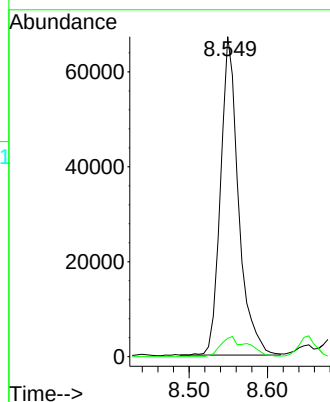
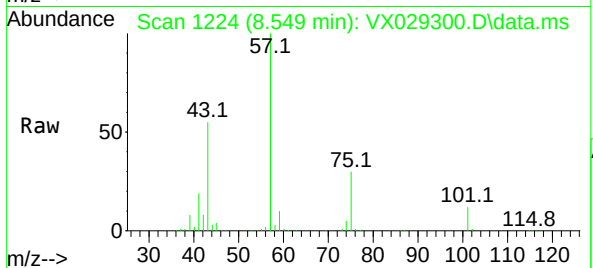
PB145355ZHE#04

Tgt Ion: 43 Resp: 107195

Ion Ratio Lower Upper

43 100

58 9.5 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.324 ug/l

RT: 8.970 min Scan# 1293

Delta R.T. -0.012 min

Lab File: VX029300.D

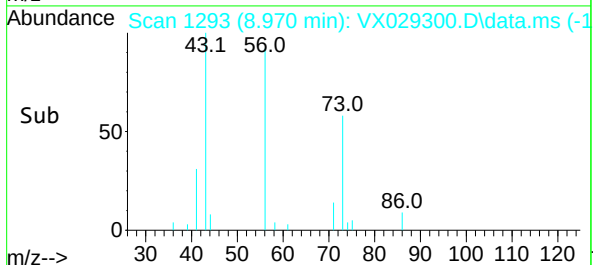
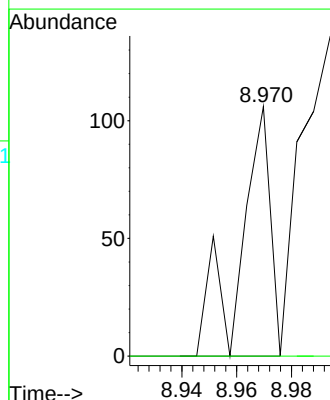
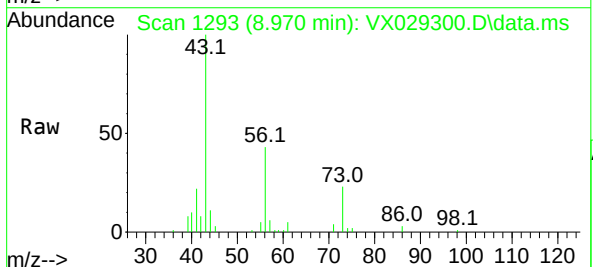
Acq: 08 Jun 2022 01:54

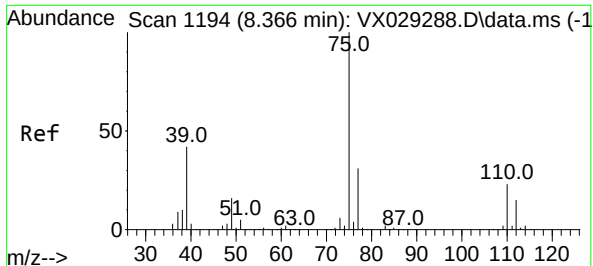
Tgt Ion: 75 Resp: 81

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

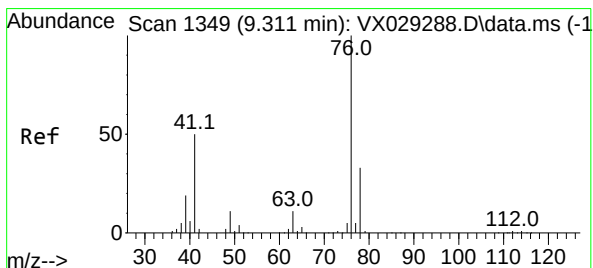
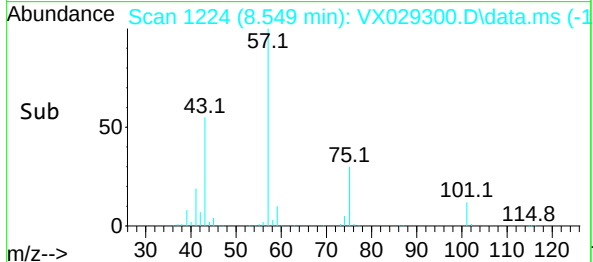
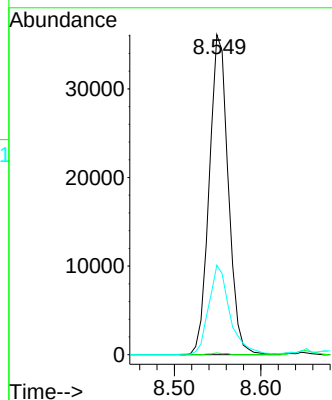
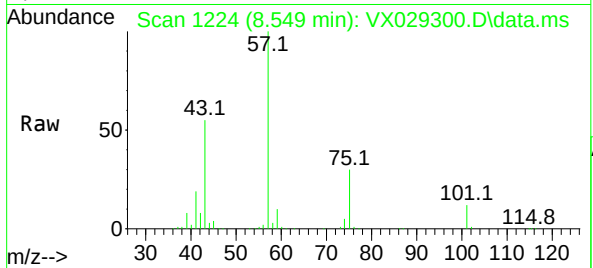




#54
 cis-1,3-Dichloropropene
 Concen: 4.994 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029300.D
 Acq: 08 Jun 2022 01:54

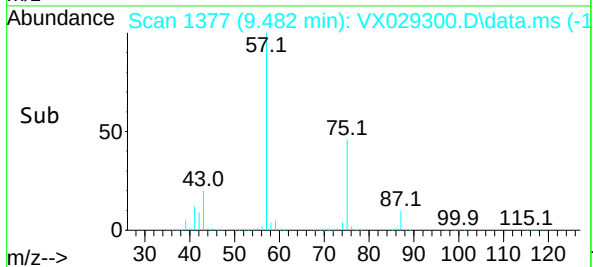
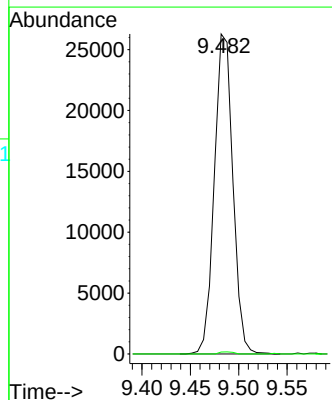
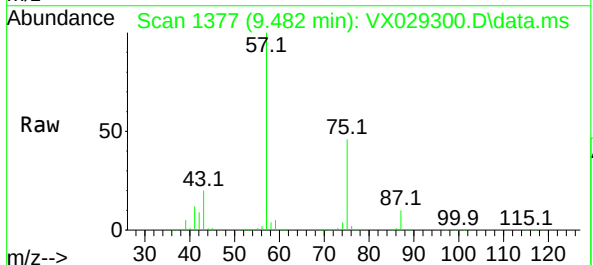
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#04

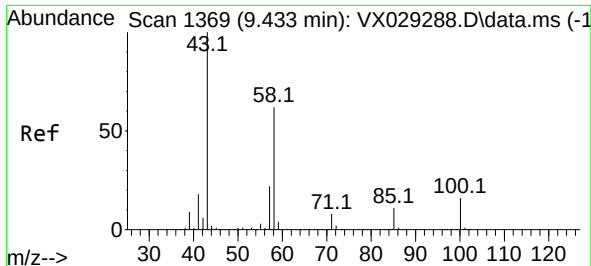
Tgt Ion: 75 Resp: 55078
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 27.8 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 2.737 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.170 min
 Lab File: VX029300.D
 Acq: 08 Jun 2022 01:54

Tgt Ion: 76 Resp: 35016
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 55.191 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX029300.D

Acq: 08 Jun 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

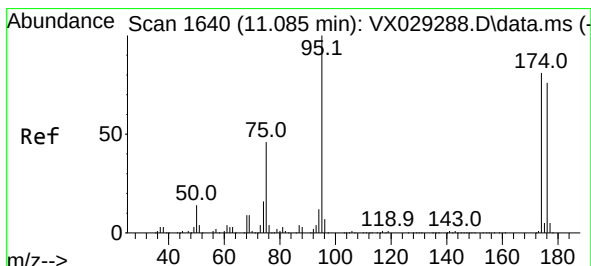
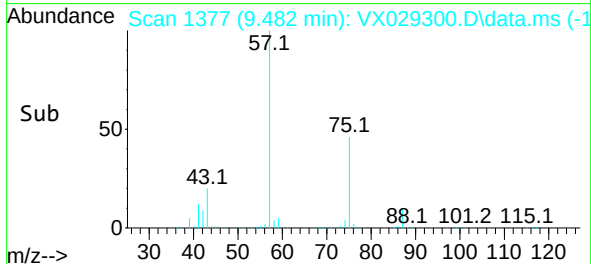
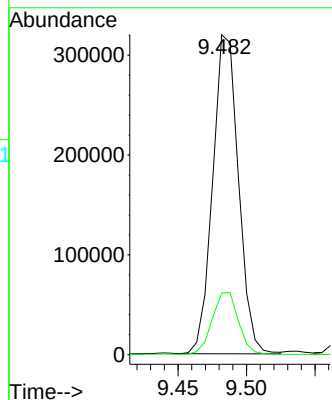
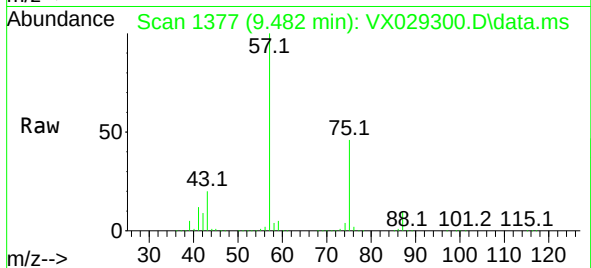
PB145355ZHE#04

Tgt Ion: 43 Resp: 418063

Ion Ratio Lower Upper

43 100

58 19.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 34.434 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX029300.D

Acq: 08 Jun 2022 01:54

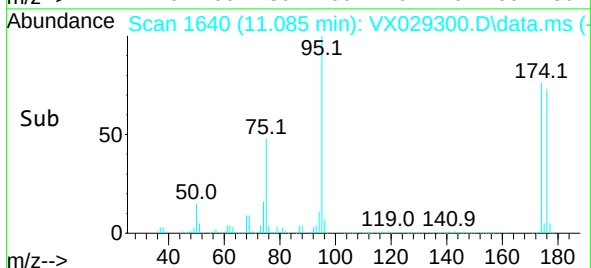
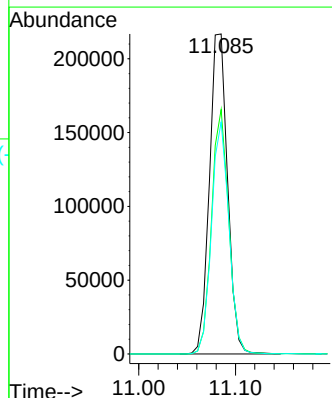
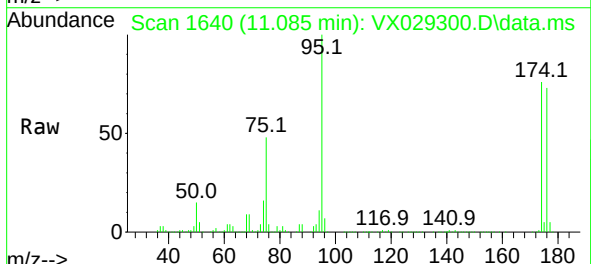
Tgt Ion: 95 Resp: 283212

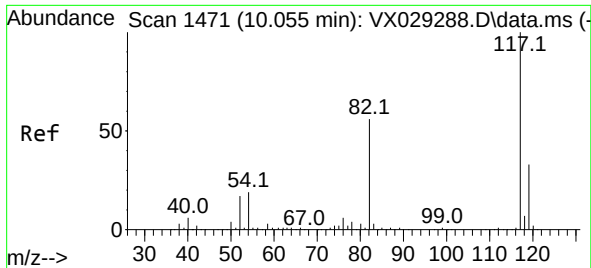
Ion Ratio Lower Upper

95 100

174 72.5 0.0 163.0

176 69.5 0.0 155.0

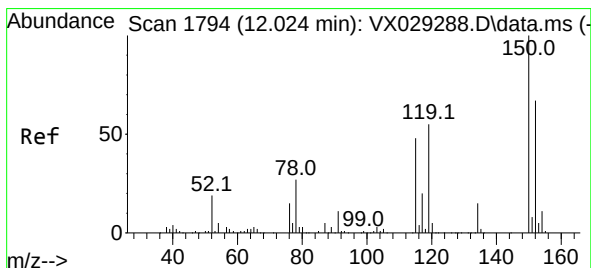
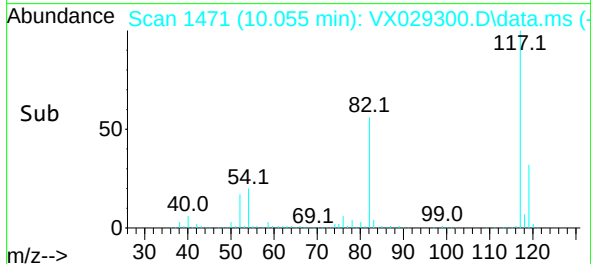
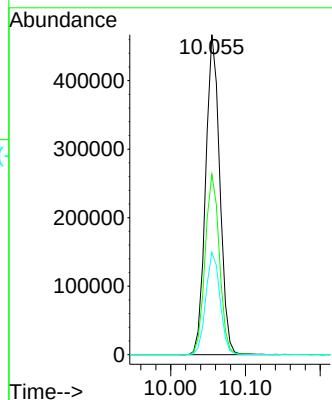
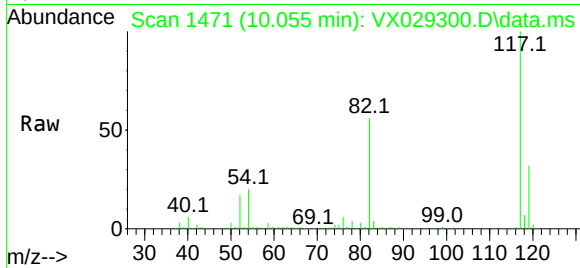




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

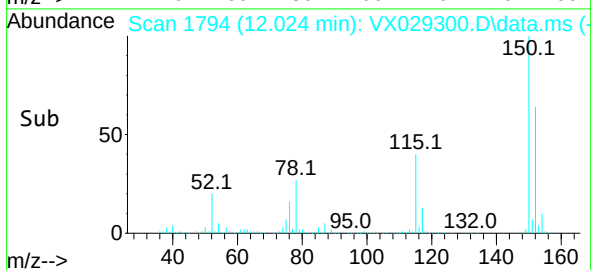
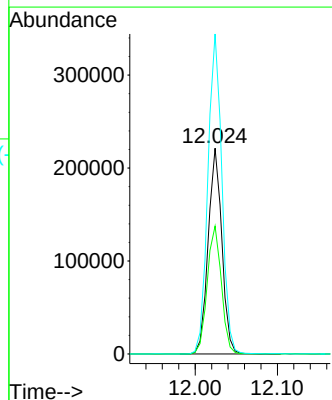
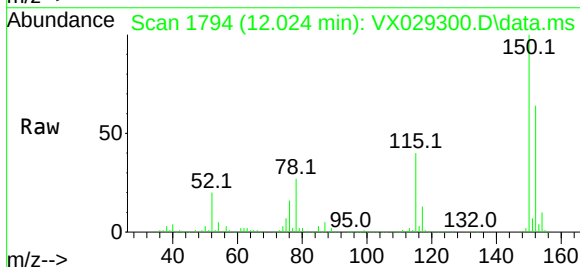
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

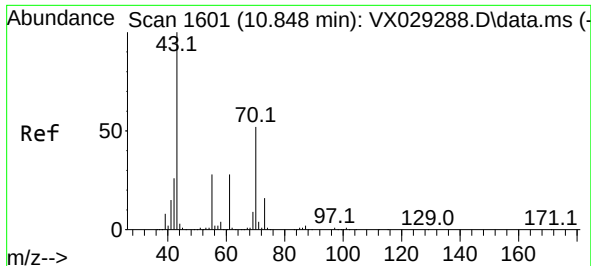
Tgt Ion:117 Resp: 614378
Ion Ratio Lower Upper
117 100
82 56.4 41.8 62.8
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion:152 Resp: 255910
Ion Ratio Lower Upper
152 100
115 64.2 37.5 112.7
150 158.8 0.0 338.2

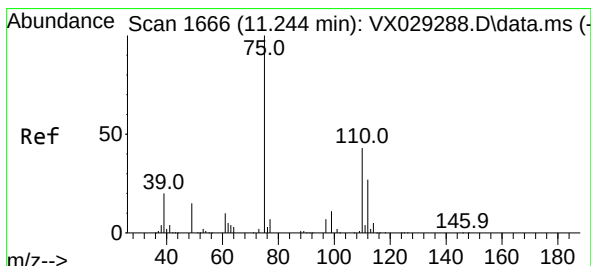
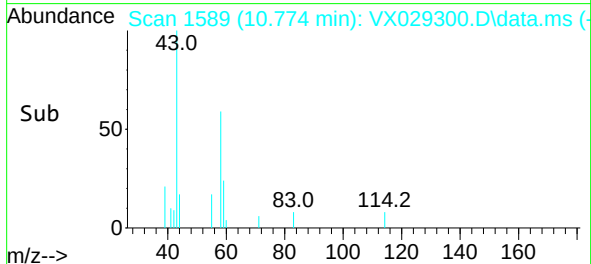
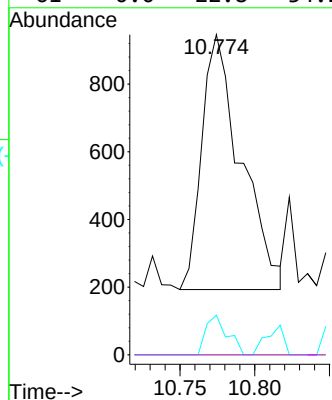
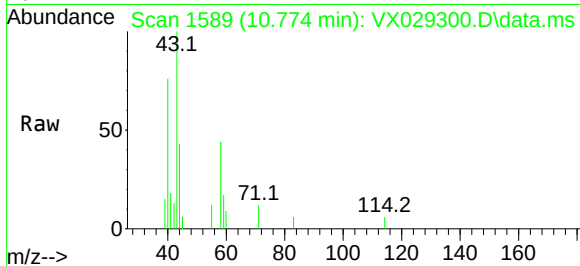




#74
N-amy1 acetate
Concen: 0.202 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.073 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

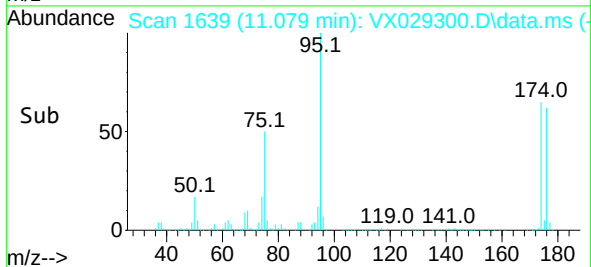
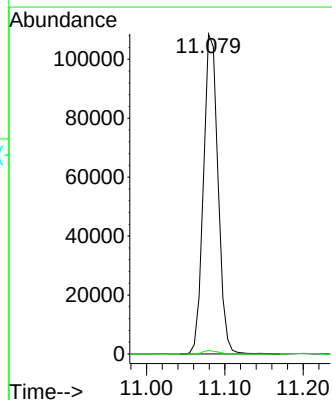
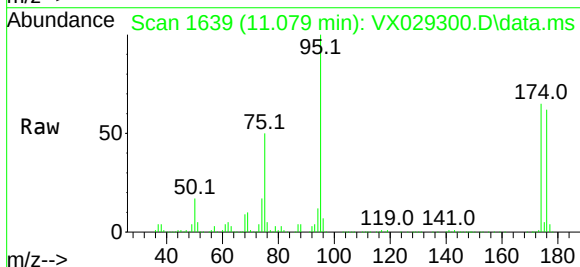
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#04

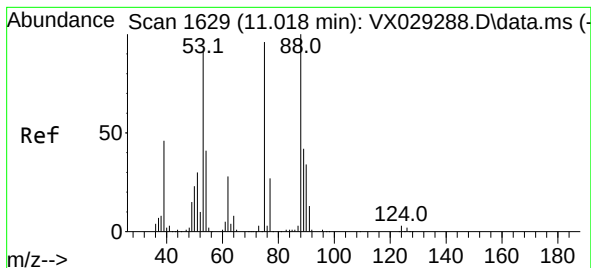
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
70 0.0 42.5 63.7#
55 8.5 23.1 34.7#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 23.447 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029300.D
Acq: 08 Jun 2022 01:54

Tgt Ion: 75 Resp: 140148
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.907 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029300.D
 Acq: 08 Jun 2022 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#04

Tgt Ion: 75 Resp: 140148
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

