

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029298.D
 Acq On : 08 Jun 2022 01:07
 Operator : JC/MD
 Sample : PB145355ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#02

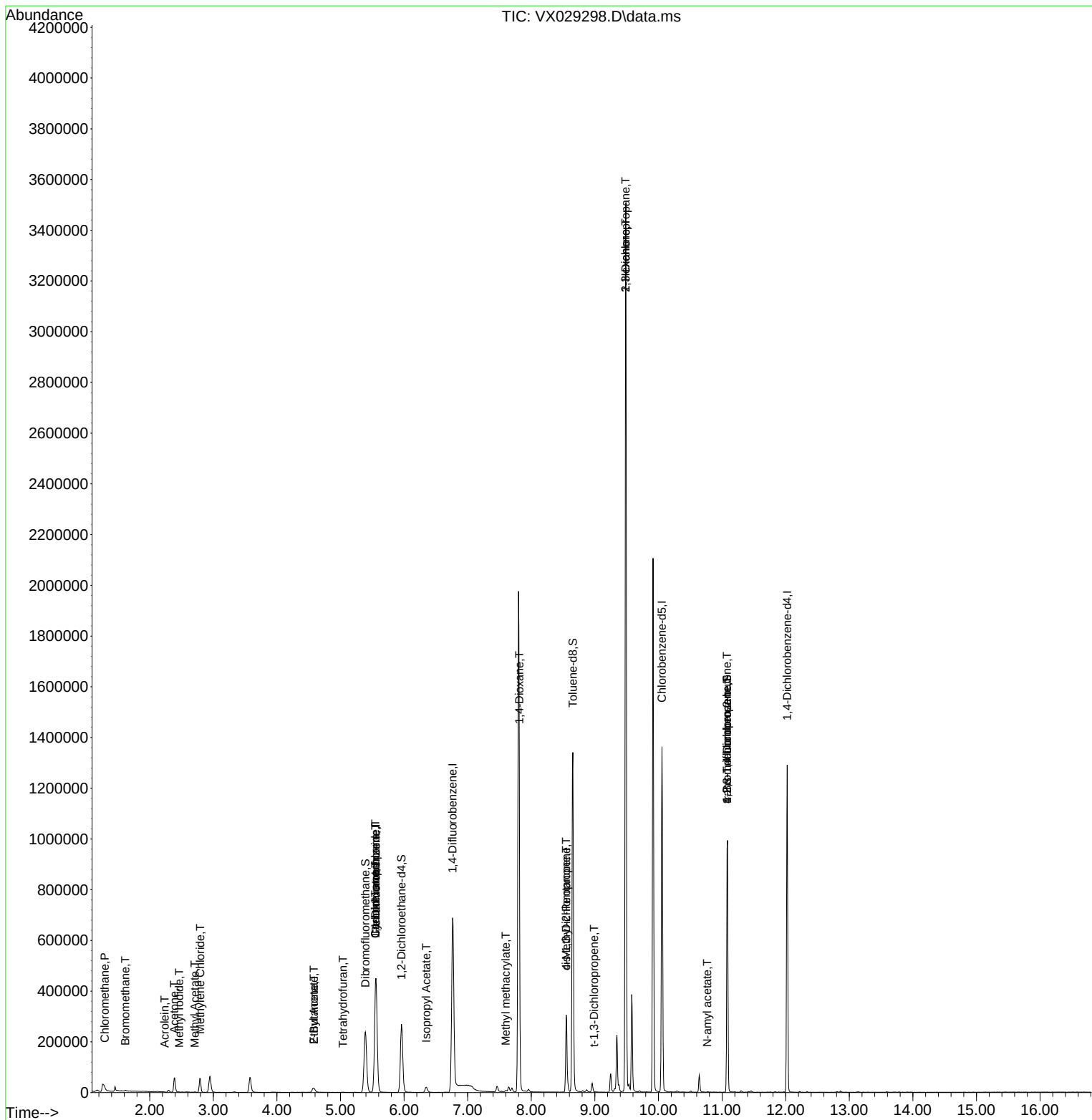
Quant Time: Jun 08 03:19:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

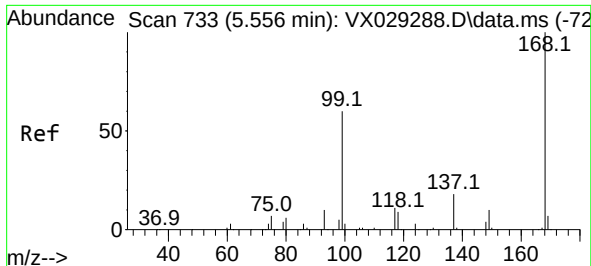
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	419782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	701127	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	621370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	258178	40.055	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	80.100%
35) Dibromofluoromethane	5.391	113	212406	35.635	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	71.280%
50) Toluene-d8	8.653	98	809199	38.385	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	76.780%
62) 4-Bromofluorobenzene	11.079	95	288382	34.957	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	69.920%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1984	0.279	ug/l #	65
5) Bromomethane	1.618	94	1388	0.351	ug/l	99
6) Chloroethane	1.685	64	590	Below Cal		91
10) Methyl Iodide	2.465	142	1453	1.412	ug/l	96
11) Tert butyl alcohol	2.940	59	37983	Below Cal	#	74
13) Acrolein	2.233	56	293	0.378	ug/l #	54
16) Acetone	2.386	43	67223	19.795	ug/l	96
18) Methyl Acetate	2.709	43	1834	0.204	ug/l #	87
20) Methylene Chloride	2.794	84	25634	3.380	ug/l	93
25) 2-Butanone	4.580	43	10408	1.938	ug/l	93
29) Tetrahydrofuran	5.038	42	840	0.240	ug/l #	68
31) Cyclohexane	5.550	56	8481	0.745	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	33515	3.404	ug/l #	49
37) Ethyl Acetate	4.580	43	10179	1.001	ug/l #	71
38) Carbon Tetrachloride	5.550	117	45110	4.482	ug/l #	15
41) Methacrylonitrile	4.910	41	23	Below Cal	#	18
43) Isopropyl Acetate	6.348	43	28467	1.864	ug/l	96
48) Methyl methacrylate	7.598	41	8201	1.068	ug/l #	7
49) 1,4-Dioxane	7.812	88	320	1.620	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	102149	10.222	ug/l #	47
53) t-1,3-Dichloropropene	8.988	75	238	1.338	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	51502	4.656	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	32451	2.529	ug/l #	43
59) 2-Hexanone	9.482	43	391810	51.569	ug/l #	44
74) N-amyl acetate	10.768	43	1489	0.213	ug/l #	41
76) 1,2,3-Trichloropropane	11.079	75	141452	23.084	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	141452	70.828	ug/l #	15

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

Quant Time: Jun 08 03:19:30 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

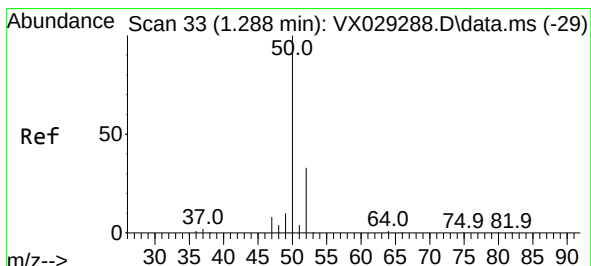
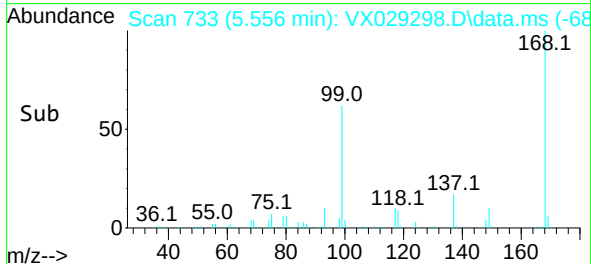
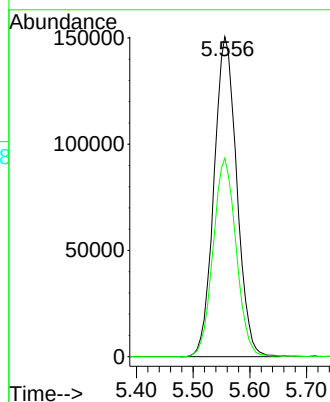
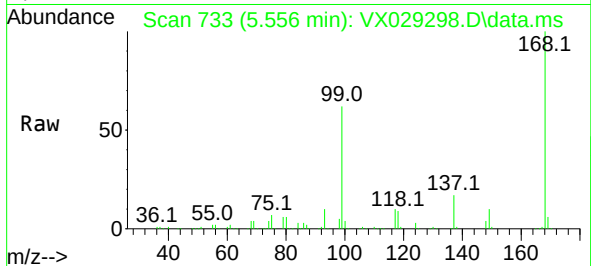




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

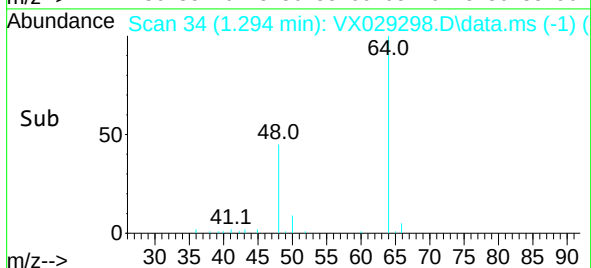
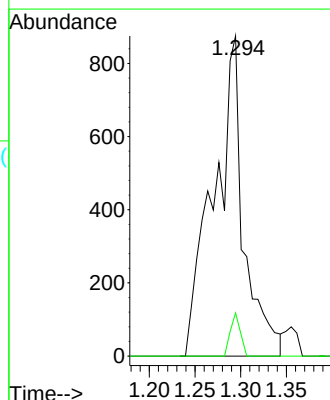
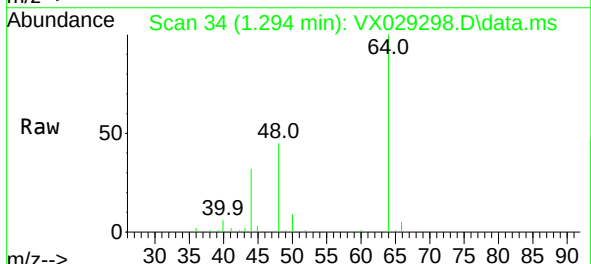
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

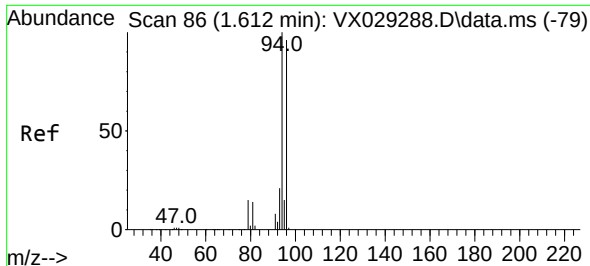
Tgt Ion:168 Resp: 419782
Ion Ratio Lower Upper
168 100
99 62.0 41.7 62.5



#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 50 Resp: 1984
Ion Ratio Lower Upper
50 100
52 13.5 26.4 39.6#

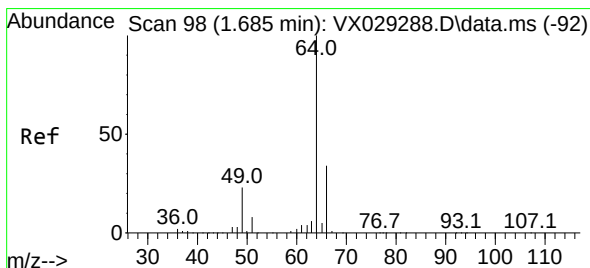
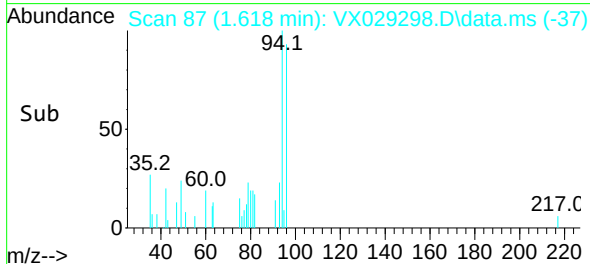
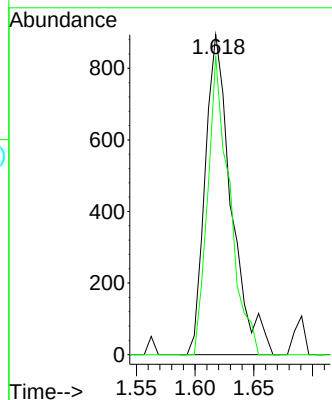
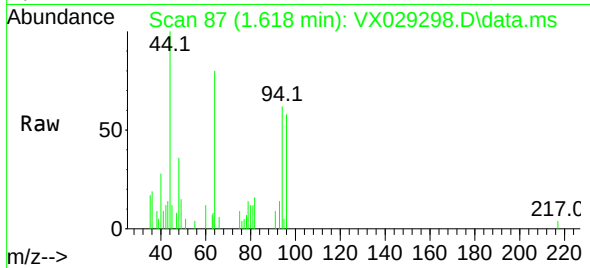




#5
Bromomethane
Concen: 0.351 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

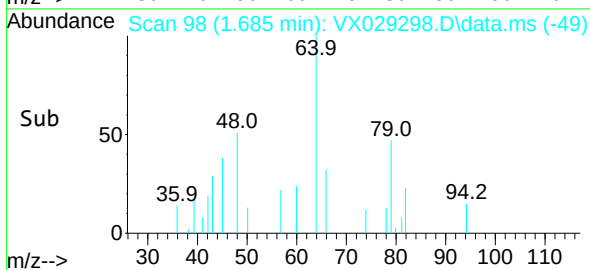
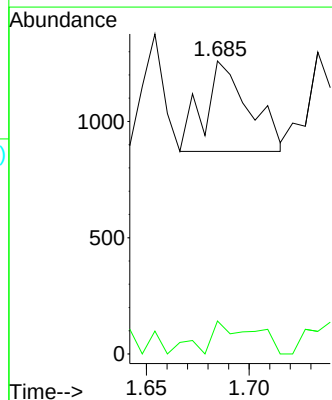
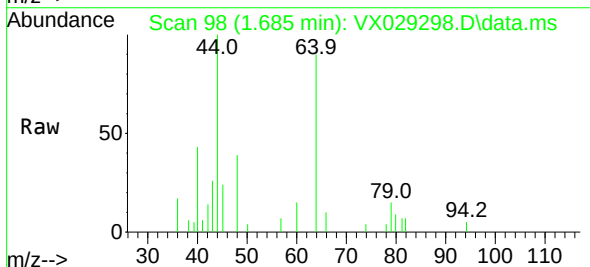
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

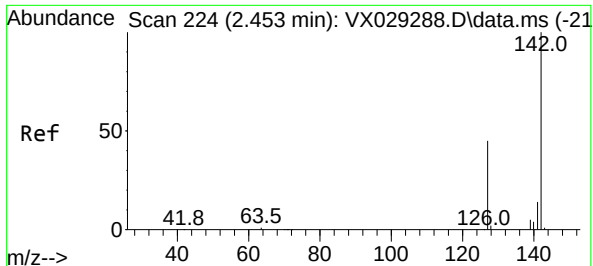
Tgt Ion: 94 Resp: 1388
Ion Ratio Lower Upper
94 100
96 93.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

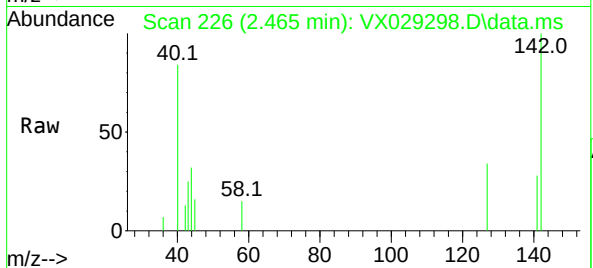
Tgt Ion: 64 Resp: 590
Ion Ratio Lower Upper
64 100
66 36.5 25.3 37.9



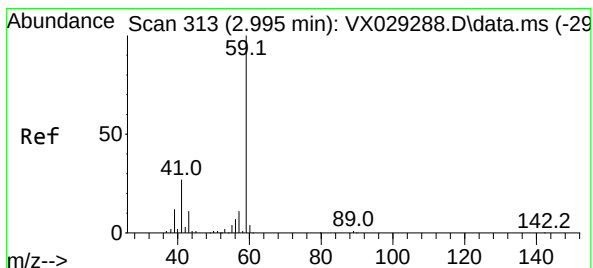
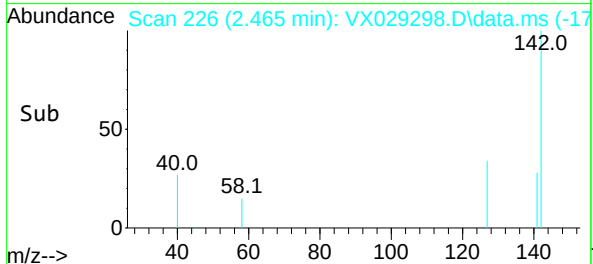
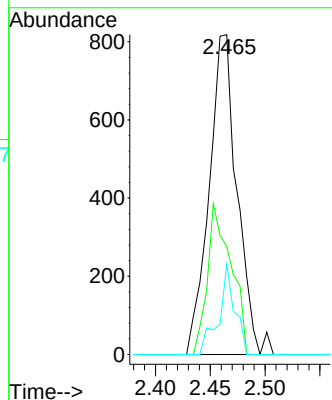


#10
Methyl Iodide
Concen: 1.412 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

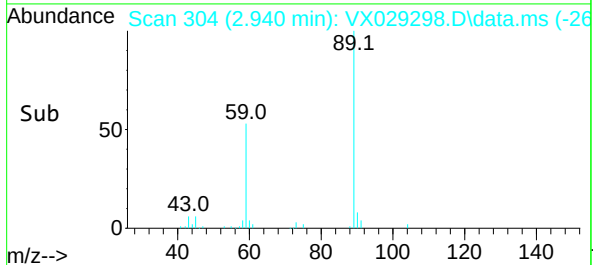
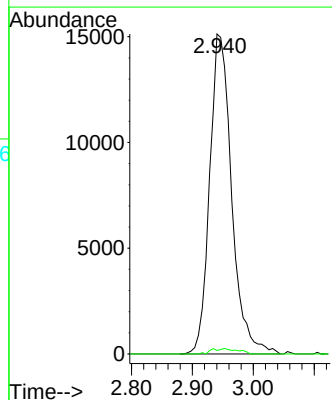
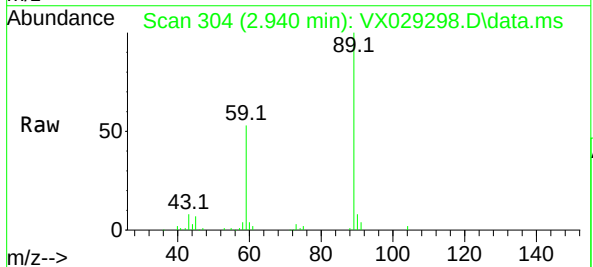


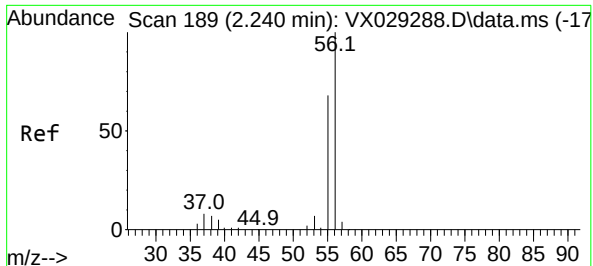
Tgt Ion:142 Resp: 1453
Ion Ratio Lower Upper
142 100
127 39.8 33.9 50.9
141 16.2 11.4 17.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 59 Resp: 37983
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#

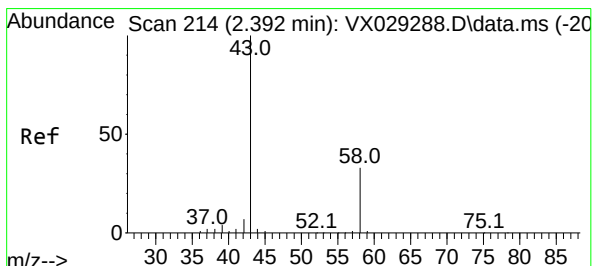
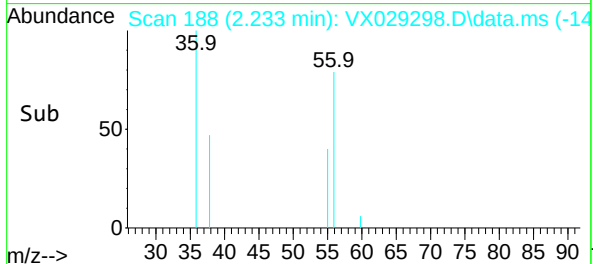
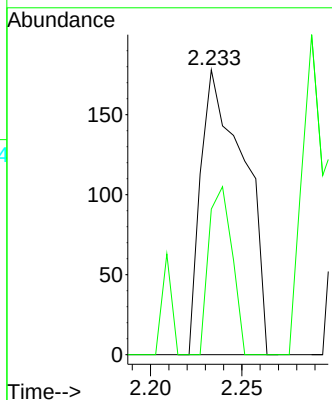
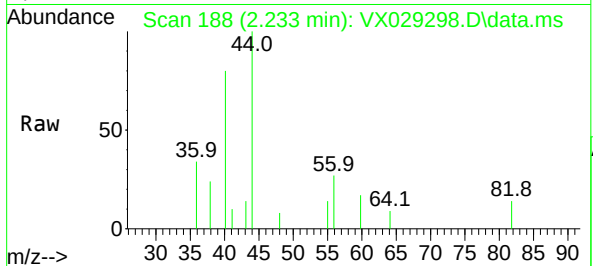




#13
Acrolein
Concen: 0.378 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

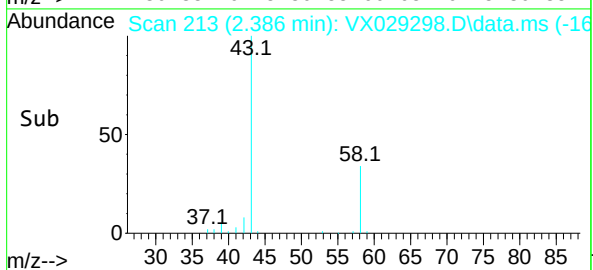
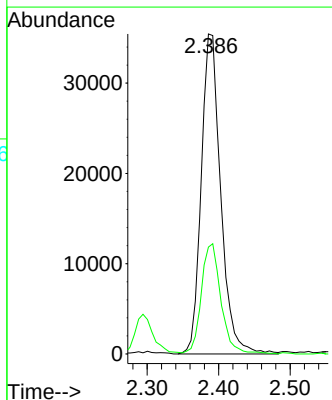
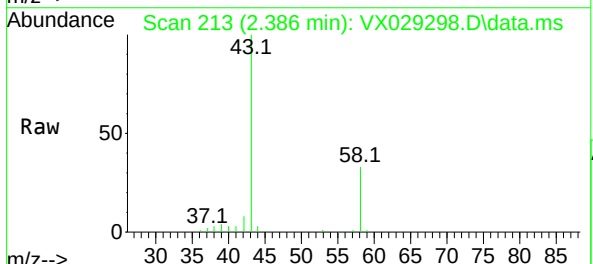
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

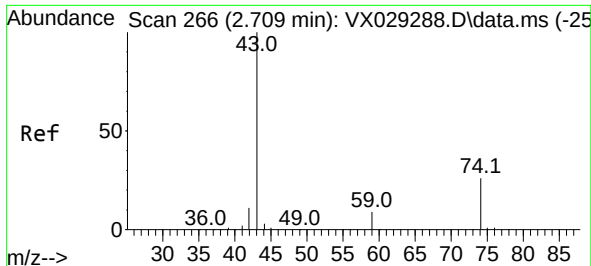
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 31.7 55.0 82.6#



#16
Acetone
Concen: 19.795 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 43 Resp: 67223
Ion Ratio Lower Upper
43 100
58 33.4 28.8 43.2

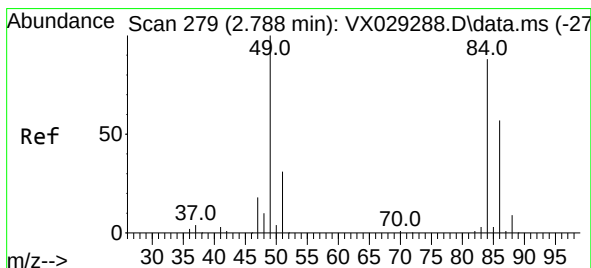
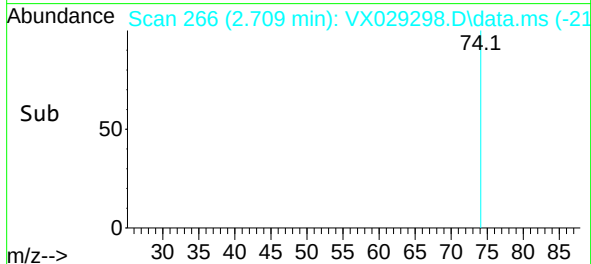
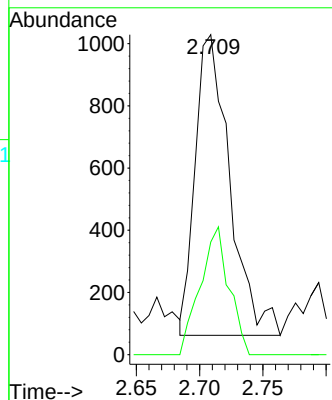
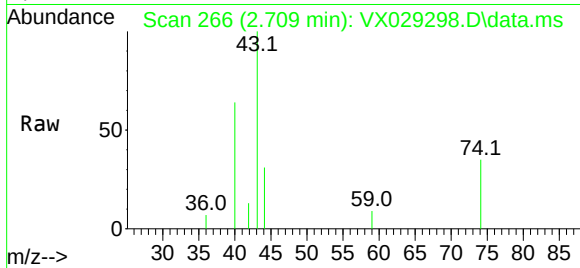




#18
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

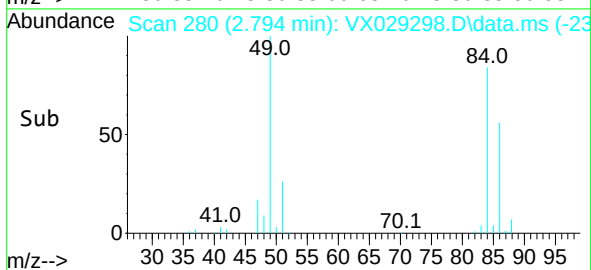
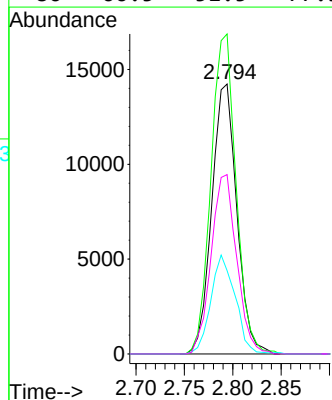
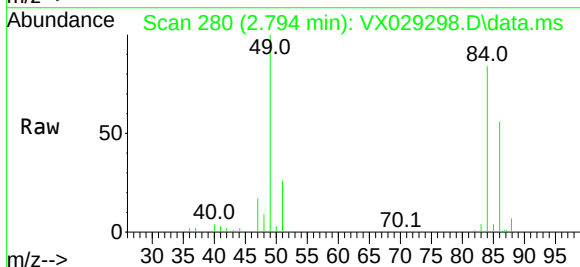
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ClientSampleId :
PB145355ZHE#02

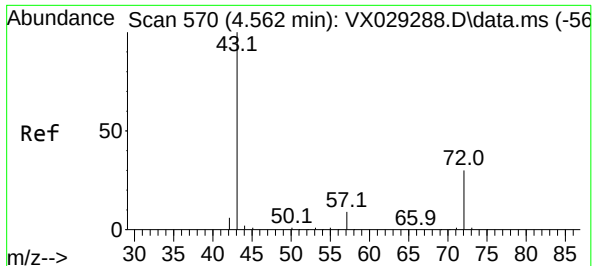
Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
74 35.4 22.8 34.2#



#20
Methylene Chloride
Concen: 3.380 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 84 Resp: 25634
Ion Ratio Lower Upper
84 100
49 118.6 85.5 128.3
51 30.9 26.6 39.8
86 66.5 51.5 77.3





#25

2-Butanone

Concen: 1.938 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX029298.D

Acq: 08 Jun 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

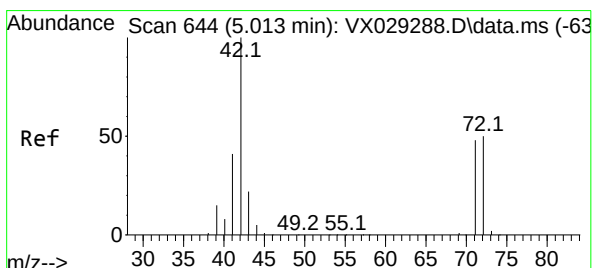
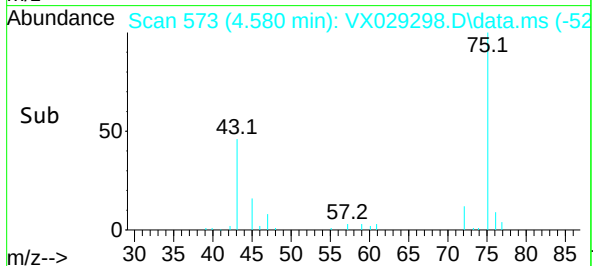
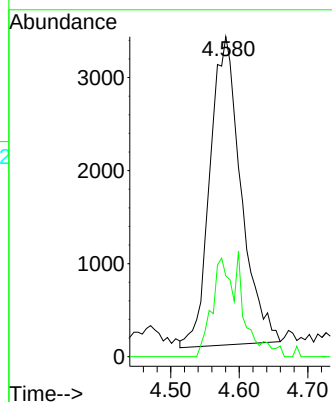
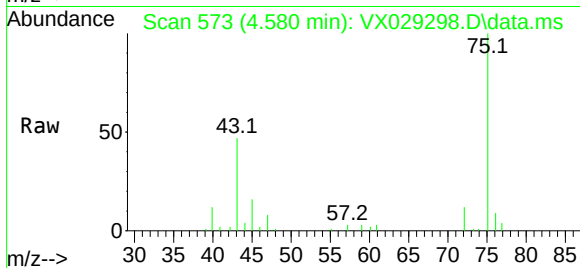
PB145355ZHE#02

Tgt Ion: 43 Resp: 10408

Ion Ratio Lower Upper

43 100

72 26.5 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX029298.D

Acq: 08 Jun 2022 01:07

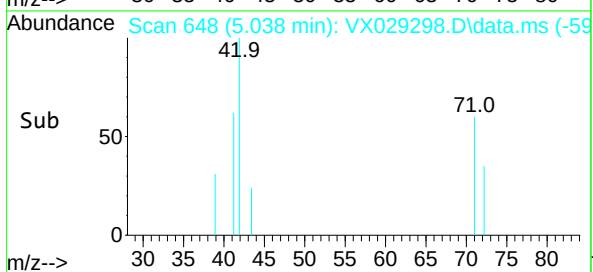
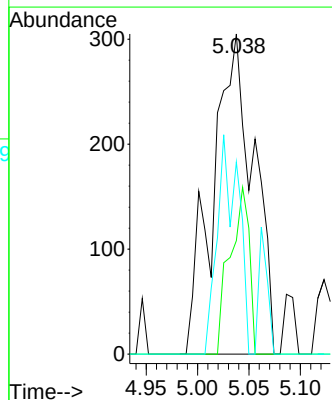
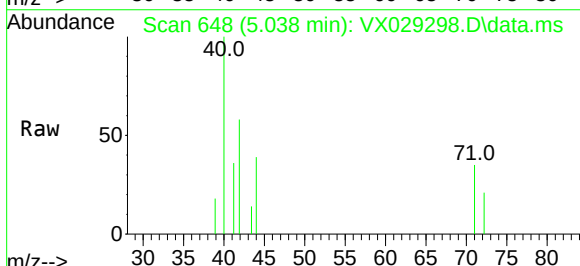
Tgt Ion: 42 Resp: 840

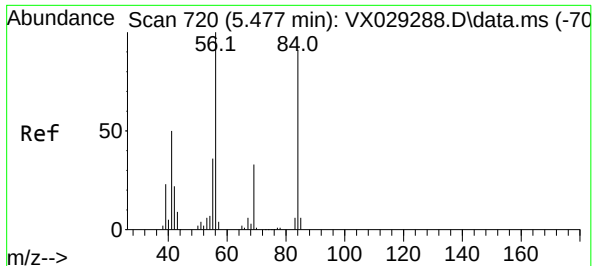
Ion Ratio Lower Upper

42 100

72 24.6 44.1 66.1#

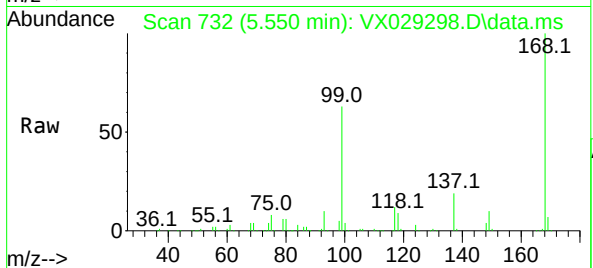
71 35.5 40.5 60.7#



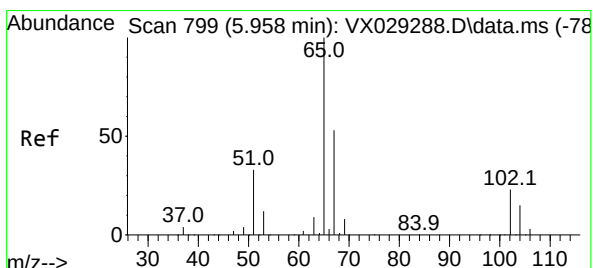
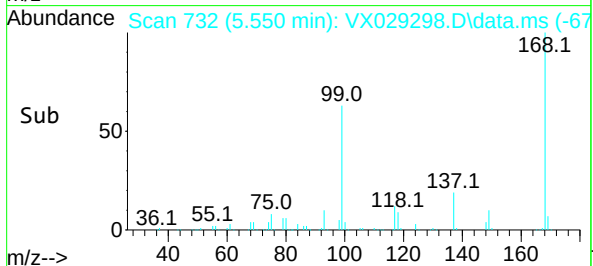
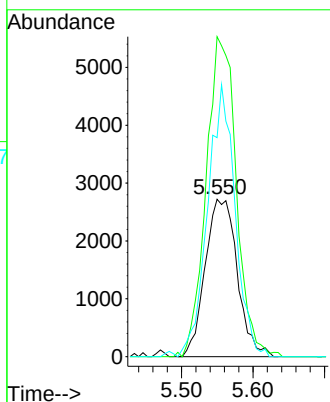


#31
Cyclohexane
Concen: 0.745 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.073 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

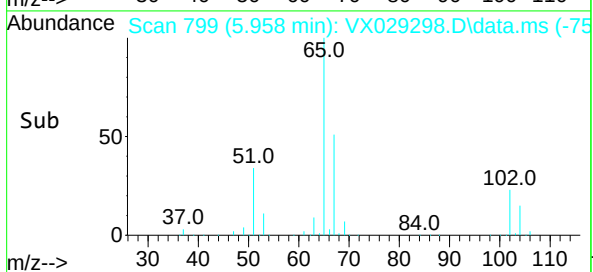
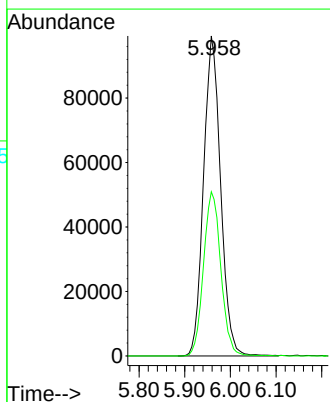
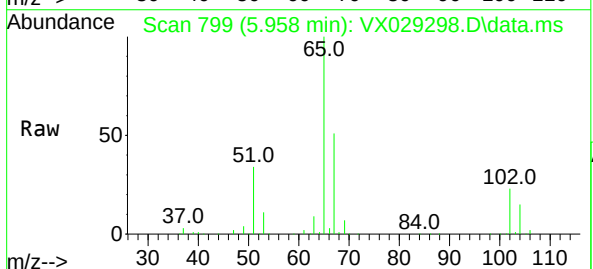


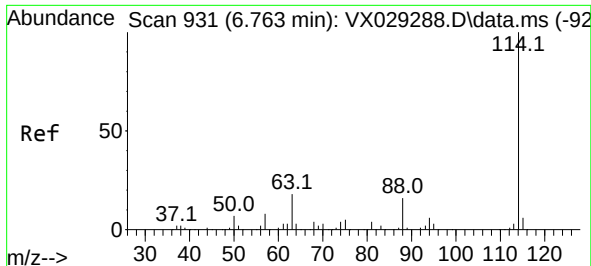
Tgt Ion: 56 Resp: 8481
Ion Ratio Lower Upper
56 100
69 200.7 26.7 40.1#
84 139.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 40.055 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 65 Resp: 258178
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

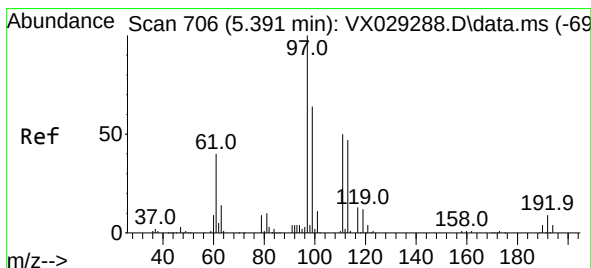
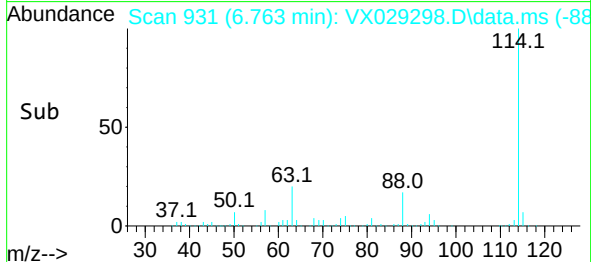
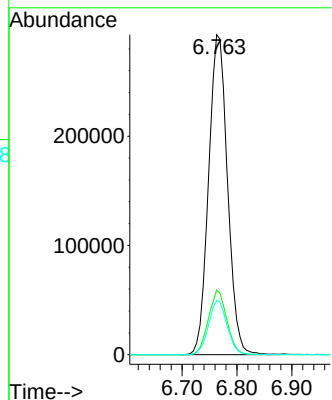
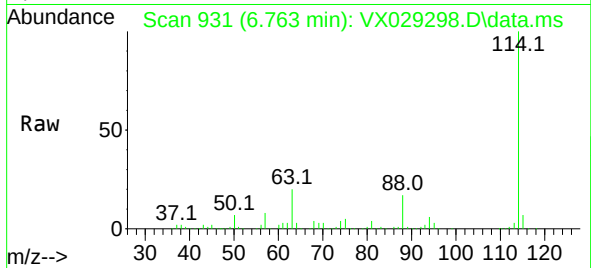




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

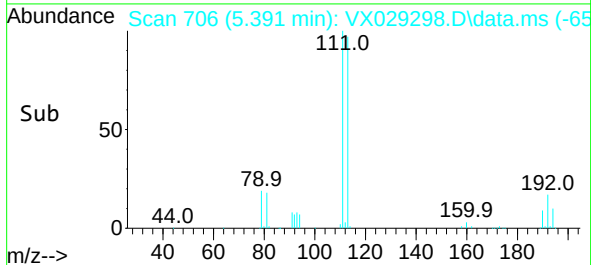
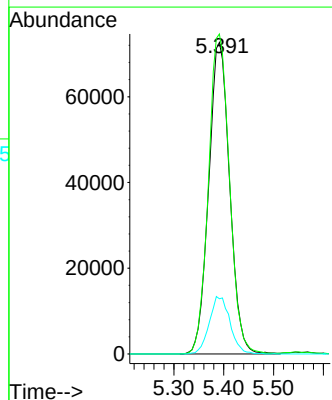
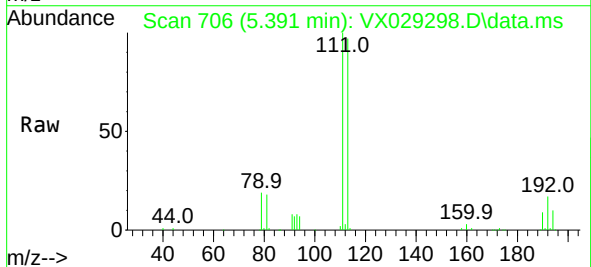
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

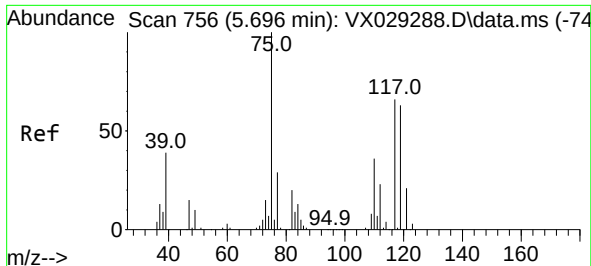
Tgt Ion:114 Resp: 701127
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.8
88 16.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 35.635 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion:113 Resp: 212406
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 18.2 16.9 25.3

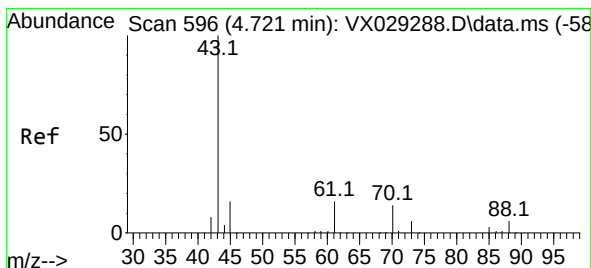
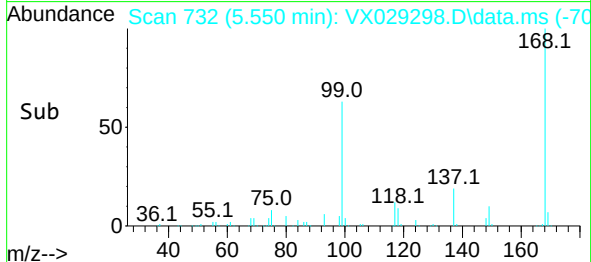
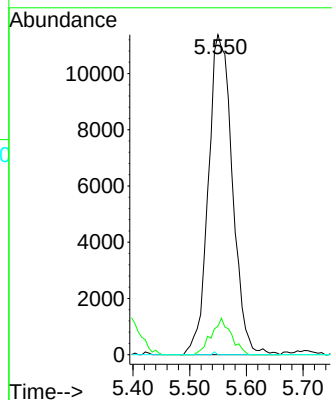
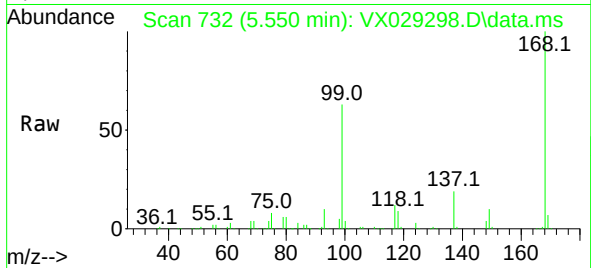




#36
1,1-Dichloropropene
Concen: 3.404 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

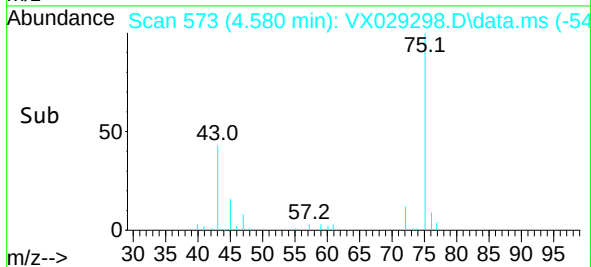
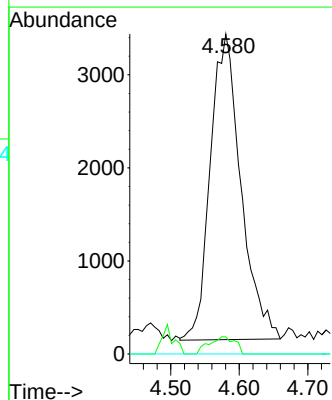
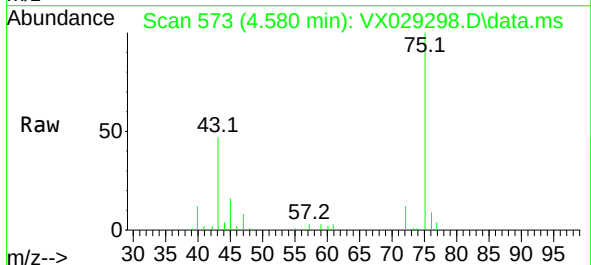
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

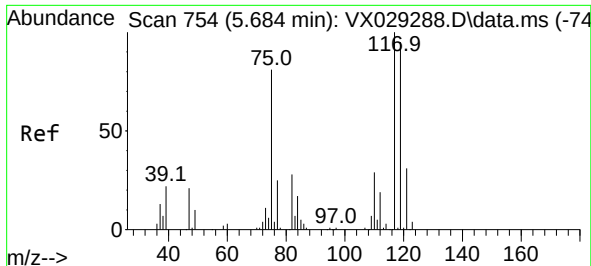
Tgt Ion: 75 Resp: 33515
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.1 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.001 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.140 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

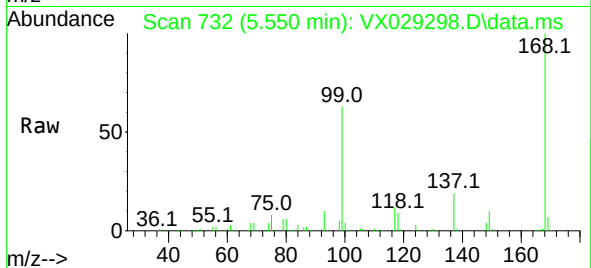
Tgt Ion: 43 Resp: 10179
Ion Ratio Lower Upper
43 100
61 4.8 12.6 19.0#
70 0.0 10.2 15.2#



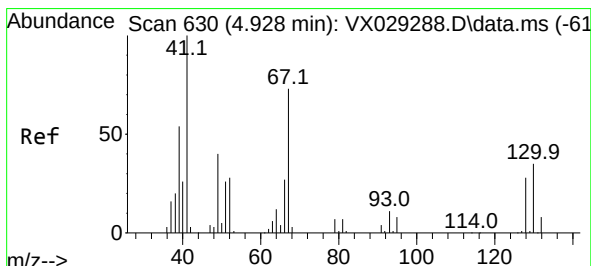
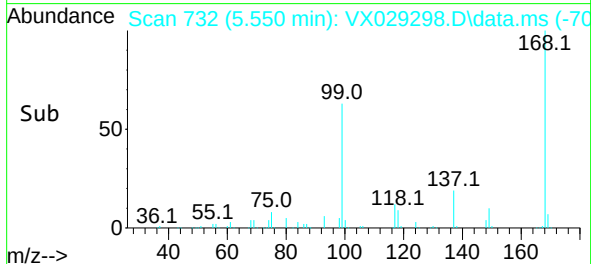
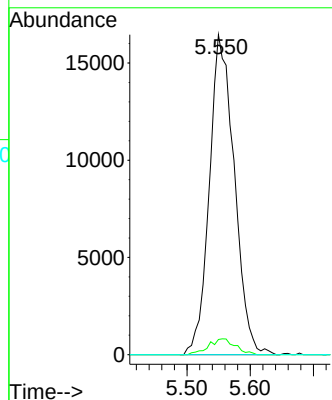


#38
Carbon Tetrachloride
Concen: 4.482 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

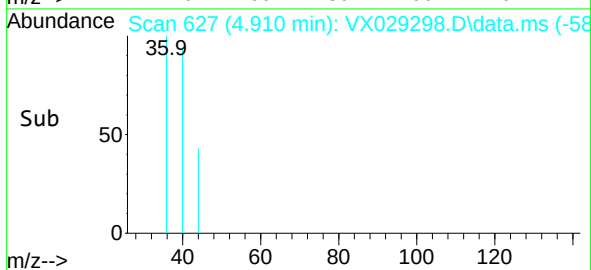
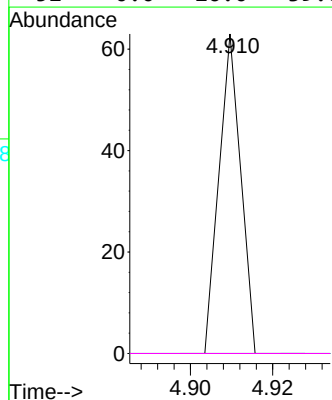
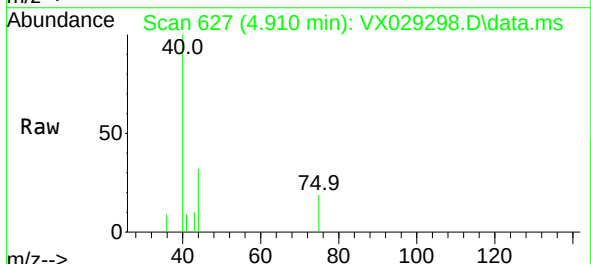


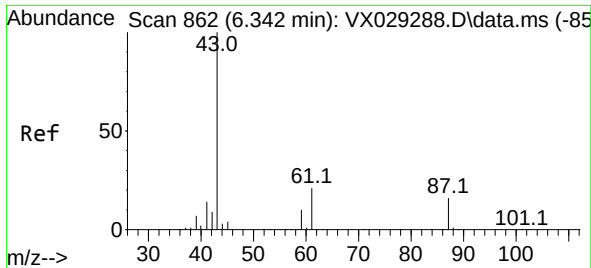
Tgt Ion:117 Resp: 45110
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.910 min Scan# 627
Delta R.T. -0.018 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 41 Resp: 23
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#

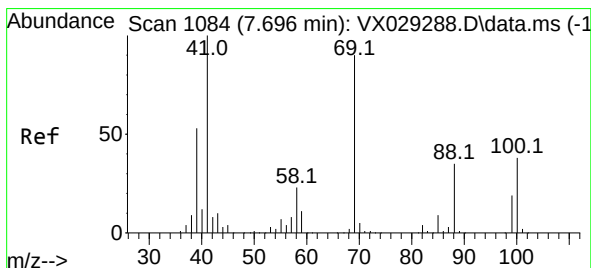
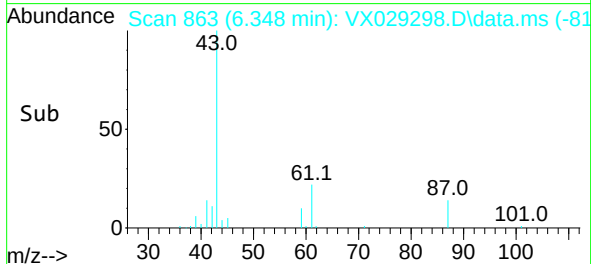
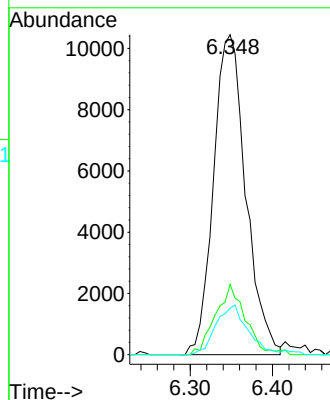
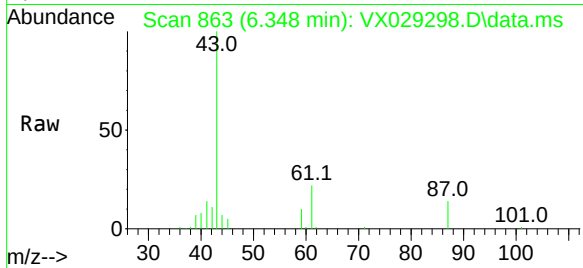




#43
Isopropyl Acetate
Concen: 1.864 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

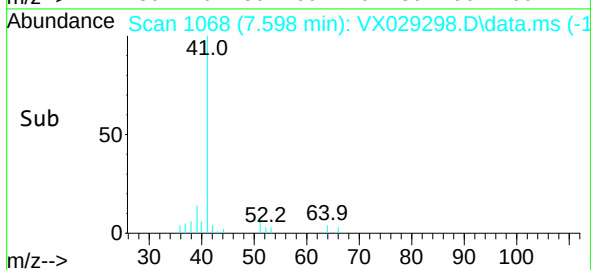
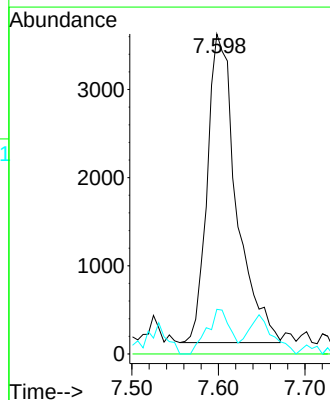
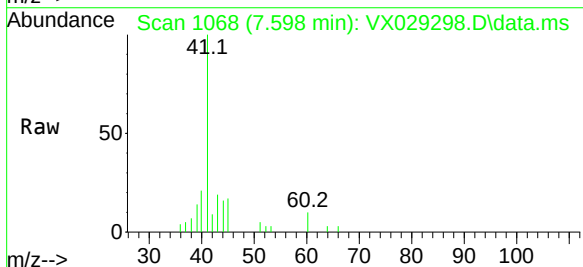
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

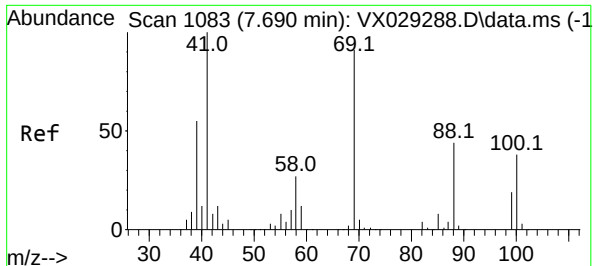
Tgt Ion: 43 Resp: 28467
Ion Ratio Lower Upper
43 100
61 20.6 18.5 27.7
87 15.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.068 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 41 Resp: 8201
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: 1.620 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.122 min

Lab File: VX029298.D

Acq: 08 Jun 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#02

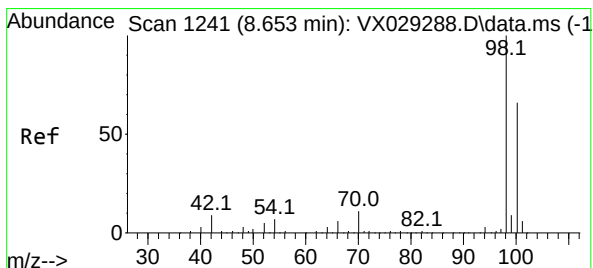
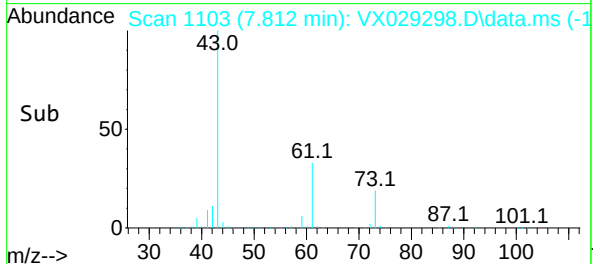
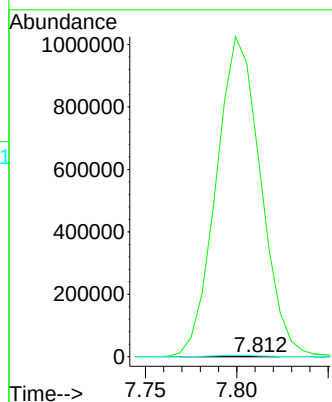
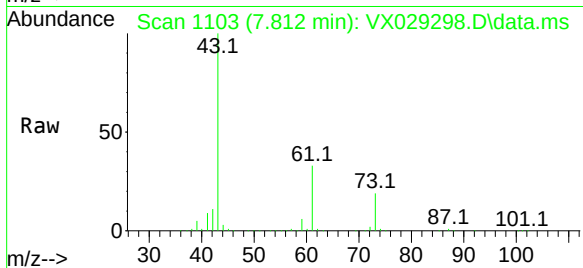
Tgt Ion: 88 Resp: 320

Ion Ratio Lower Upper

88 100

43 546614.4 21.9 32.9#

58 2381.9 53.7 80.5#



#50

Toluene-d8

Concen: 38.385 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029298.D

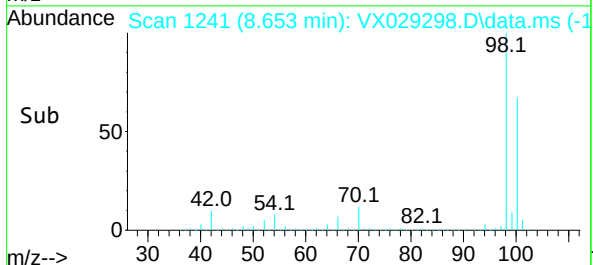
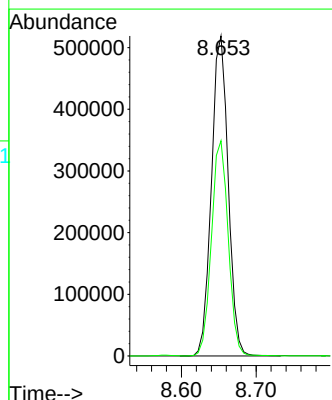
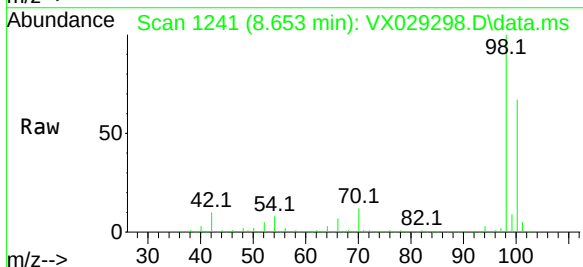
Acq: 08 Jun 2022 01:07

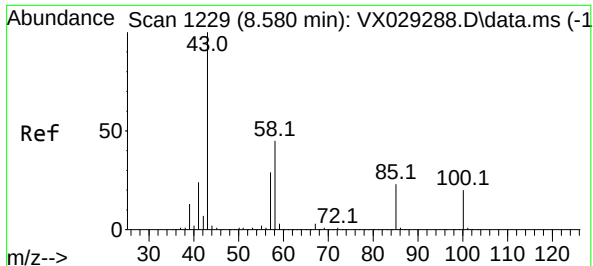
Tgt Ion: 98 Resp: 809199

Ion Ratio Lower Upper

98 100

100 67.2 52.6 78.8

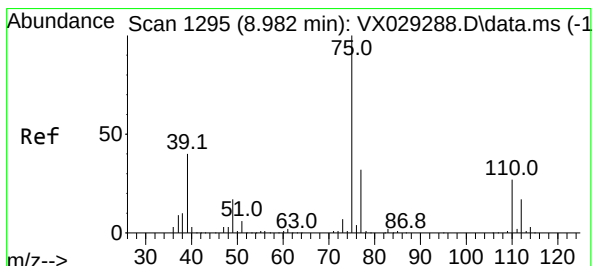
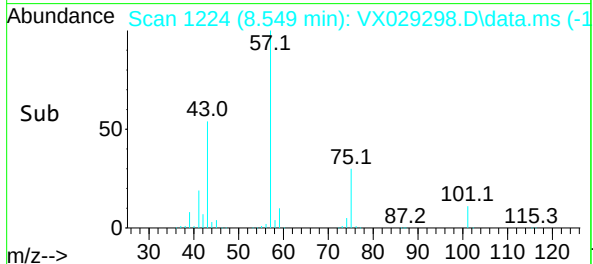
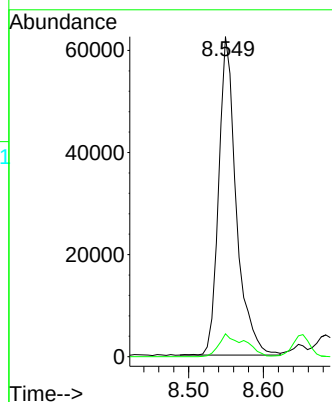
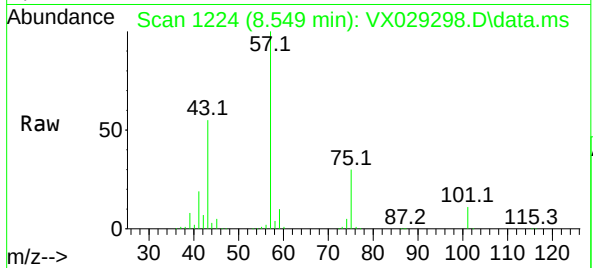




#51
4-Methyl-2-Pentanone
Concen: 10.222 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

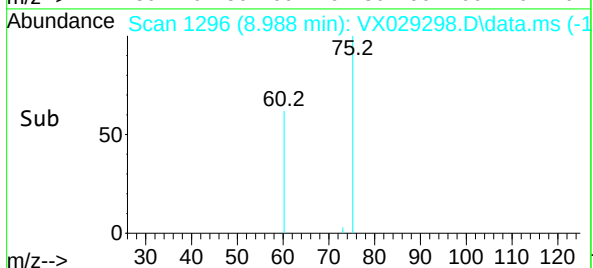
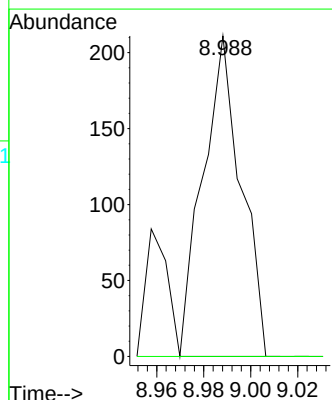
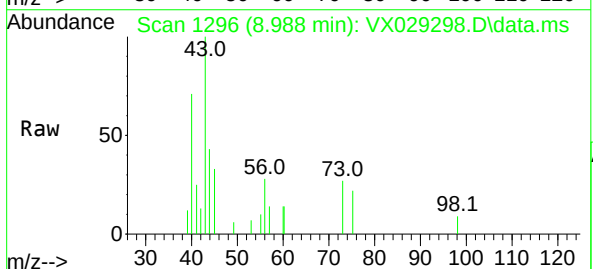
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

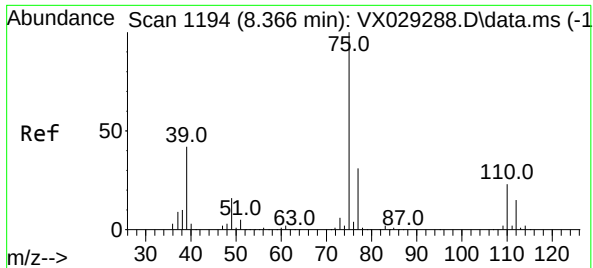
Tgt Ion: 43 Resp: 102149
Ion Ratio Lower Upper
43 100
58 10.6 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.338 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 75 Resp: 238
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

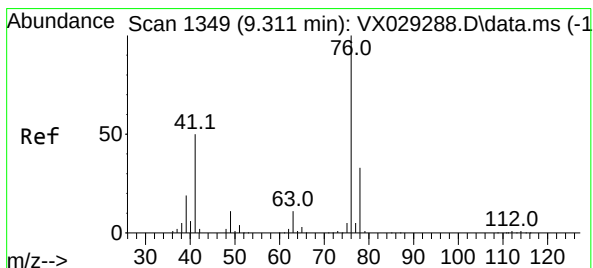
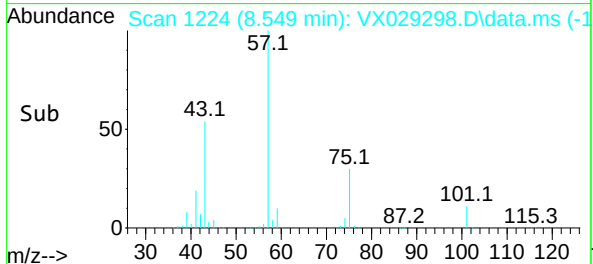
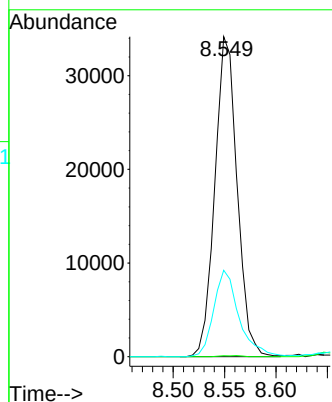
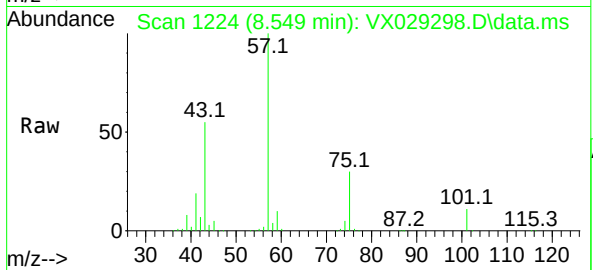




#54
 cis-1,3-Dichloropropene
 Concen: 4.656 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029298.D
 Acq: 08 Jun 2022 01:07

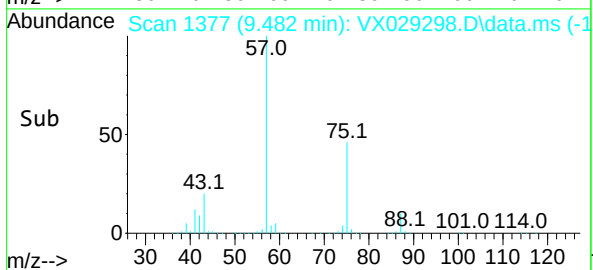
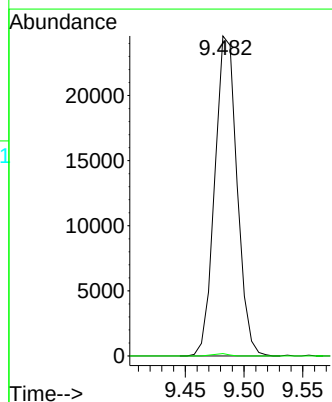
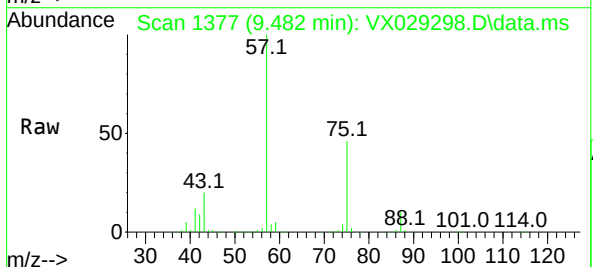
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#02

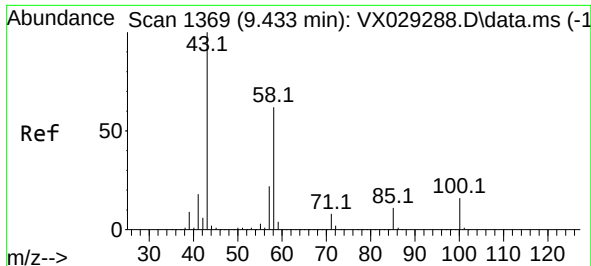
Tgt Ion: 75 Resp: 51502
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 27.0 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 2.529 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029298.D
 Acq: 08 Jun 2022 01:07

Tgt Ion: 76 Resp: 32451
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 51.569 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX029298.D

Acq: 08 Jun 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

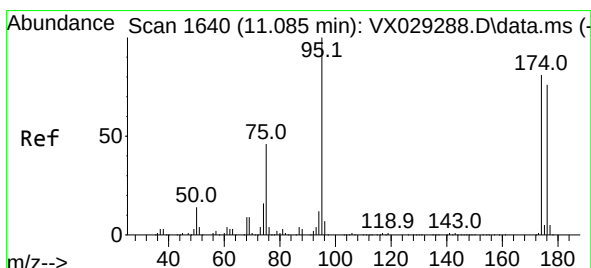
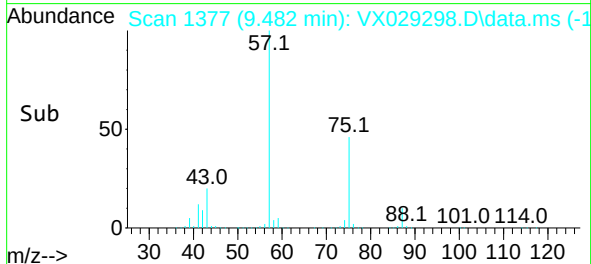
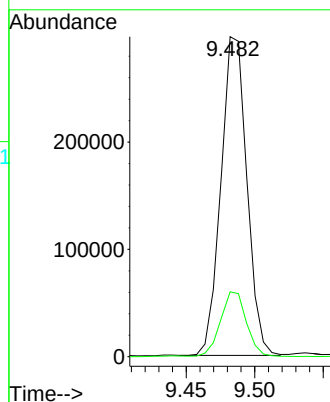
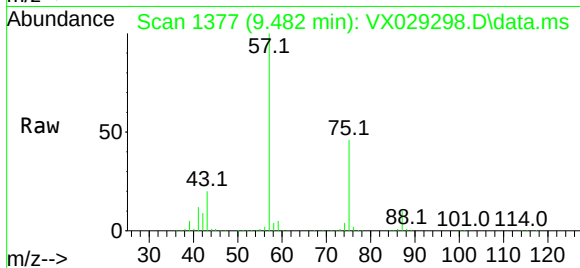
PB145355ZHE#02

Tgt Ion: 43 Resp: 391810

Ion Ratio Lower Upper

43 100

58 20.3 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 34.957 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029298.D

Acq: 08 Jun 2022 01:07

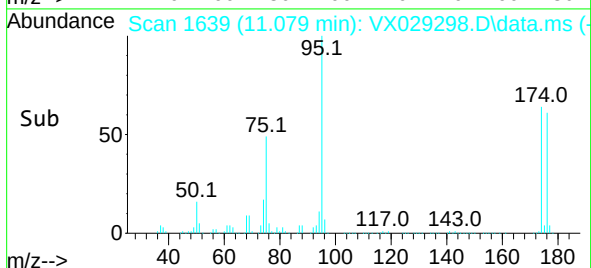
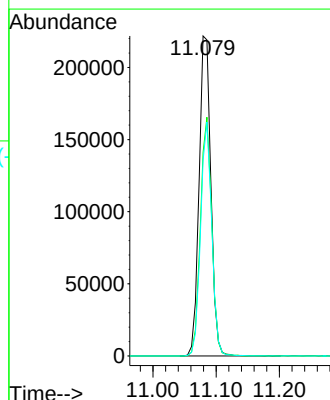
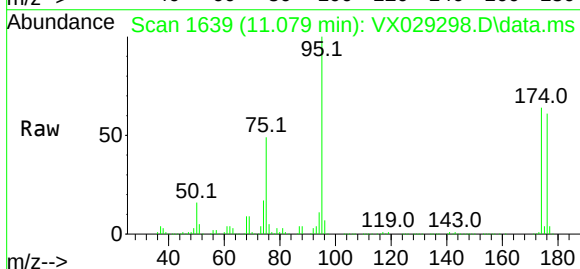
Tgt Ion: 95 Resp: 288382

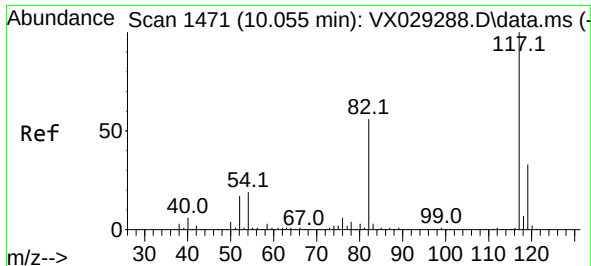
Ion Ratio Lower Upper

95 100

174 71.8 0.0 163.0

176 69.2 0.0 155.0

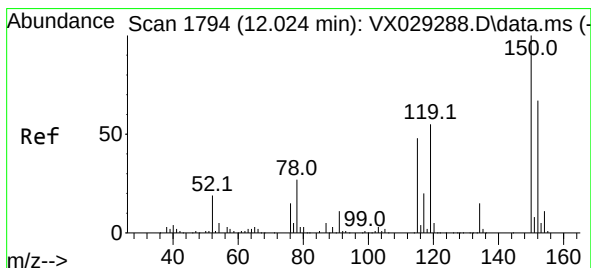
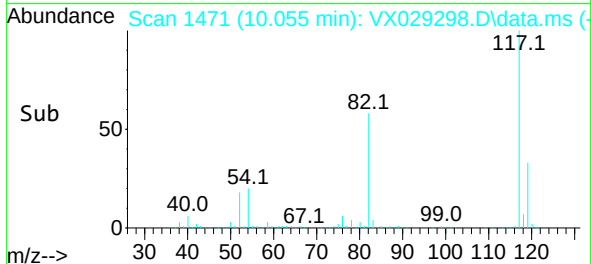
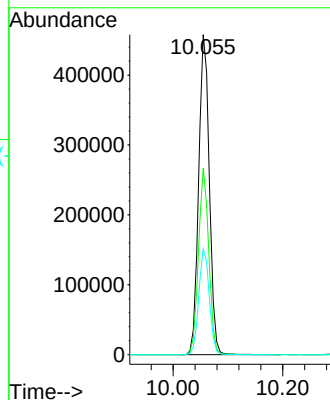
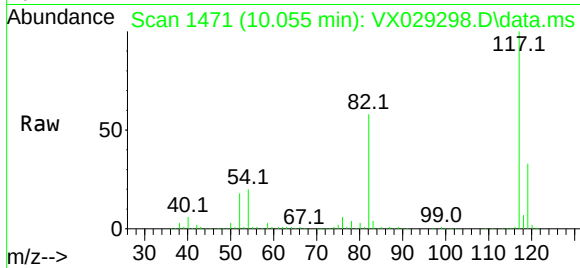




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

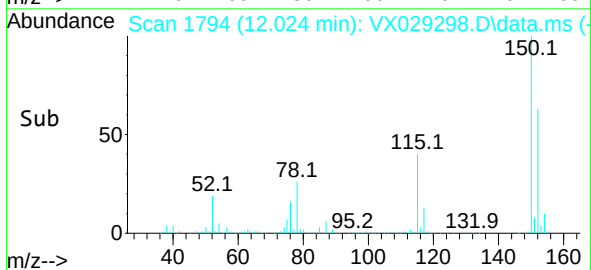
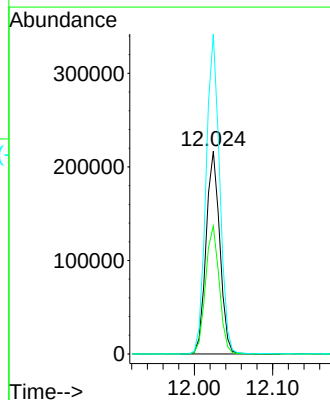
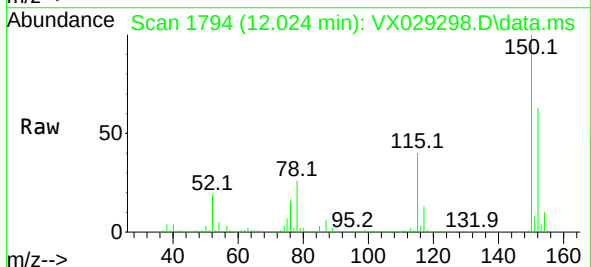
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

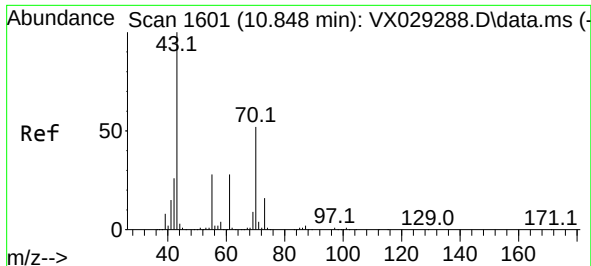
Tgt Ion:117 Resp: 621370
Ion Ratio Lower Upper
117 100
82 58.2 41.8 62.8
119 33.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

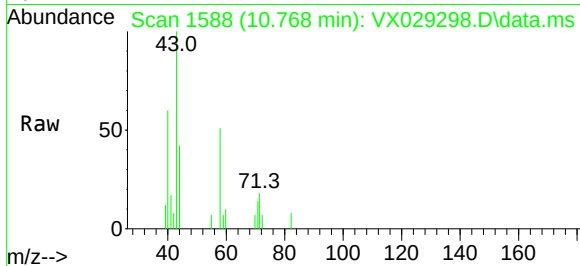
Tgt Ion:152 Resp: 262353
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 156.6 0.0 338.2



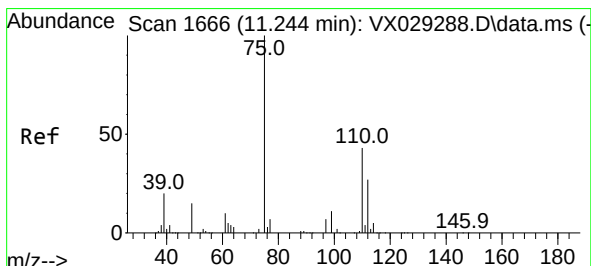
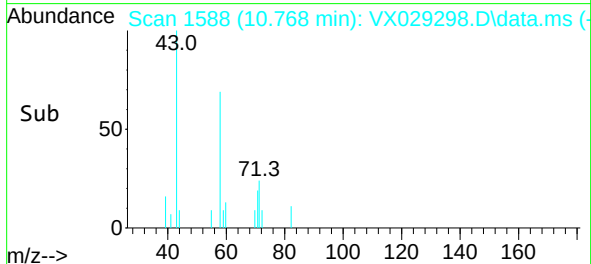
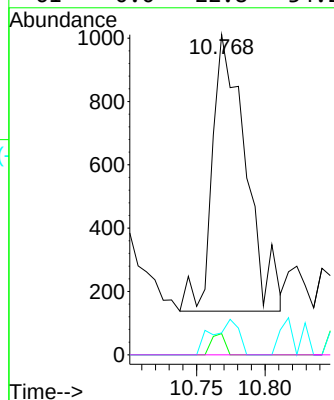


#74
N-amy1 acetate
Concen: 0.213 ug/l
RT: 10.768 min Scan# 1639
Delta R.T. -0.079 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#02

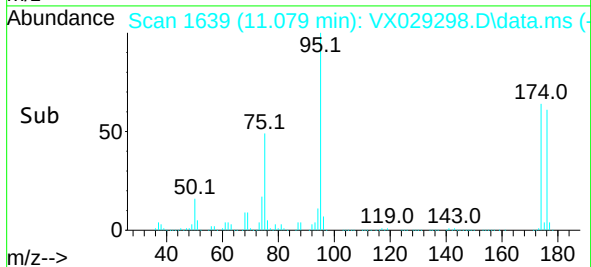
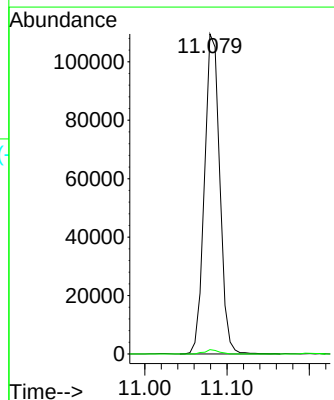
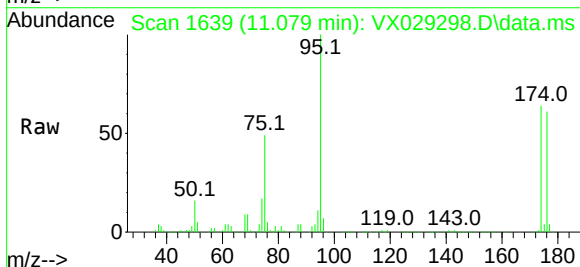


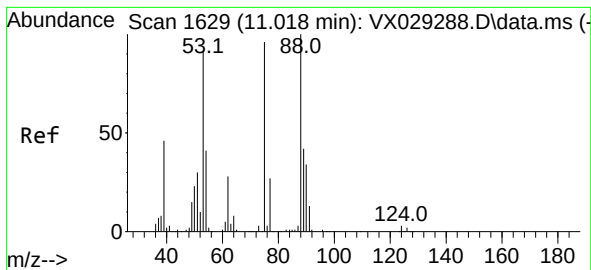
Tgt Ion: 43	Resp: 1489
Ion Ratio	Lower Upper
43 100	
70 0.0	42.5 63.7#
55 9.9	23.1 34.7#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 23.084 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029298.D
Acq: 08 Jun 2022 01:07

Tgt Ion: 75	Resp: 141452
Ion Ratio	Lower Upper
75 100	
77 1.2	19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.828 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029298.D
 Acq: 08 Jun 2022 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#02

Tgt Ion: 75 Resp: 141452
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

