

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035793.D
 Acq On : 22 May 2023 18:32
 Operator : JC/MD
 Sample : PB152922TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB152922TB

Quant Time: May 23 06:15:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

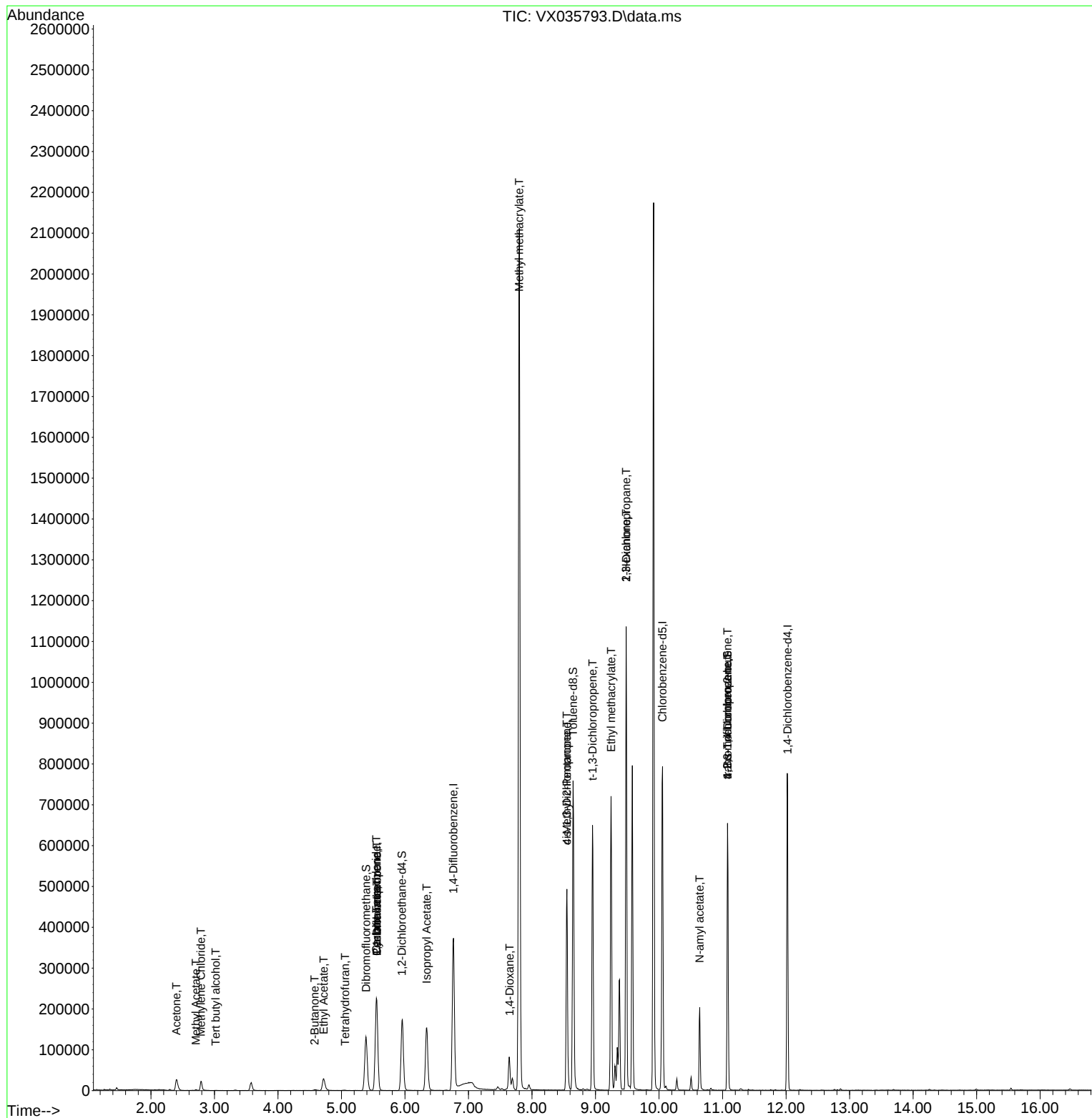
Internal Standards						
1) Pentafluorobenzene	5.556	168	192060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	350339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	175042	52.243	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.480%
35) Dibromofluoromethane	5.385	113	113039	47.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.680%
50) Toluene-d8	8.647	98	417143	47.792	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.580%
62) 4-Bromofluorobenzene	11.079	95	171079	48.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.020	59	357	0.604	ug/l #	73
16) Acetone	2.398	43	45573	31.647	ug/l	91
18) Methyl Acetate	2.709	43	2045	0.385	ug/l	99
20) Methylene Chloride	2.788	84	11069	4.241	ug/l	94
25) 2-Butanone	4.574	43	4688	2.352	ug/l	94
29) Tetrahydrofuran	5.056	42	846	0.675	ug/l #	36
31) Cyclohexane	5.556	56	5428	1.282	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	18405	4.935	ug/l #	51
37) Ethyl Acetate	4.721	43	54119	13.913	ug/l	99
38) Carbon Tetrachloride	5.550	117	21914	6.203	ug/l #	15
43) Isopropyl Acetate	6.342	43	221418	32.643	ug/l	97
48) Methyl methacrylate	7.799	41	193522	57.810	ug/l #	47
49) 1,4-Dioxane	7.647	88	45	2.607	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	182347	46.663	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	1354	0.341	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	71145	16.719	ug/l #	65
56) Ethyl methacrylate	9.244	69	1523	0.364	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	9221	1.966	ug/l #	42
59) 2-Hexanone	9.482	43	142499	48.421	ug/l #	50
74) N-amyl acetate	10.640	43	56023	9.973	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	95747	27.377	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	95747	88.232	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

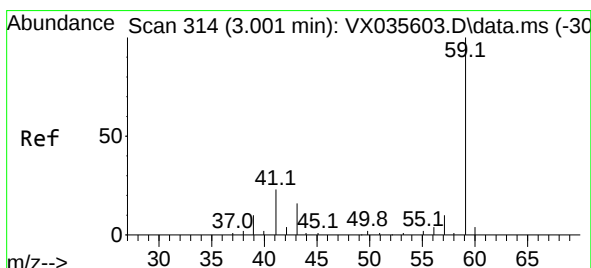
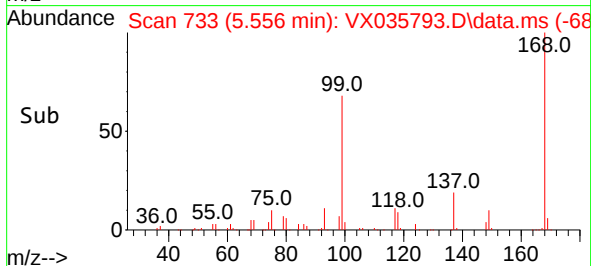
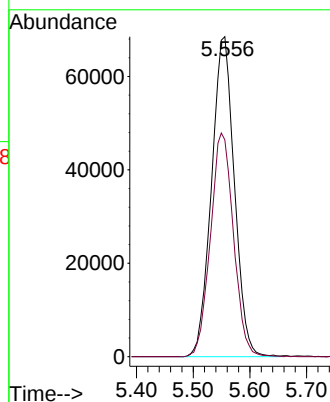
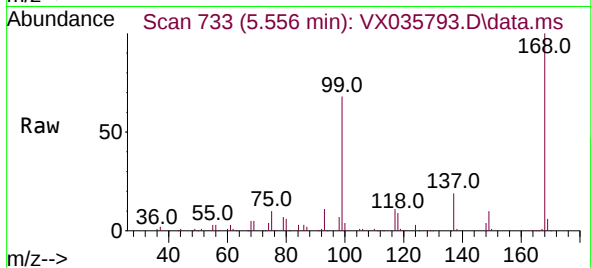




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

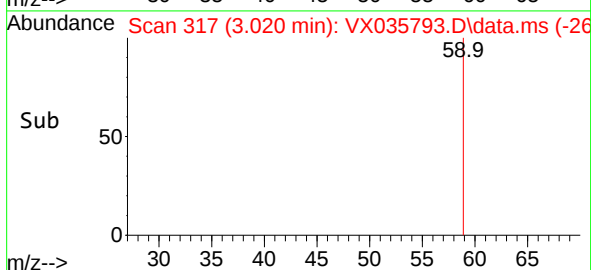
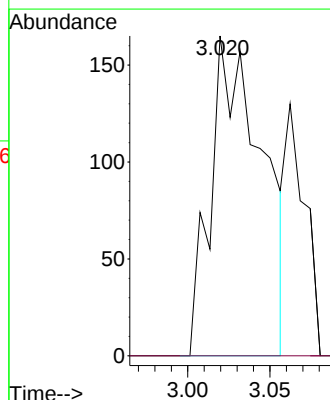
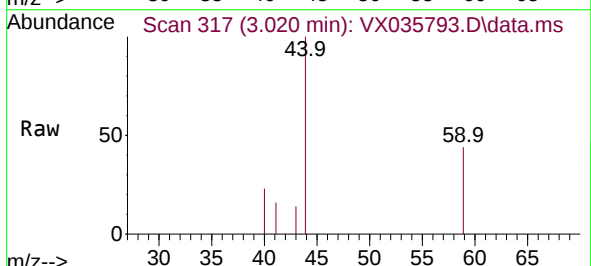
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

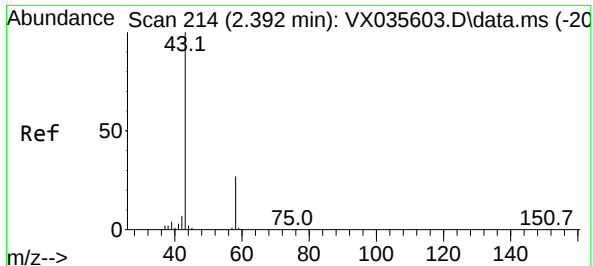
Tgt Ion:168 Resp: 192060
Ion Ratio Lower Upper
168 100
99 67.7 45.7 68.5



#11
Tert butyl alcohol
Concen: 0.604 ug/l
RT: 3.020 min Scan# 317
Delta R.T. 0.019 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

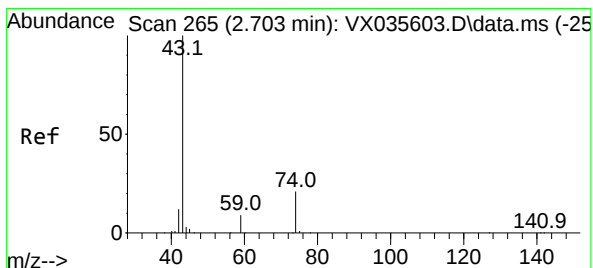
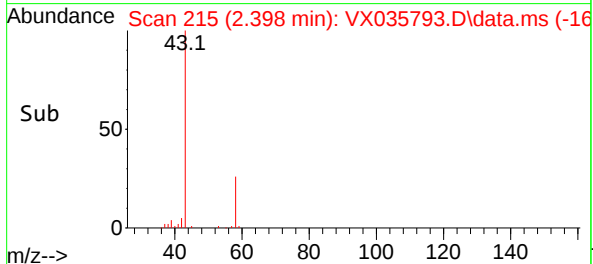
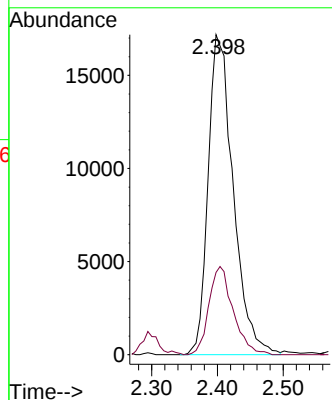
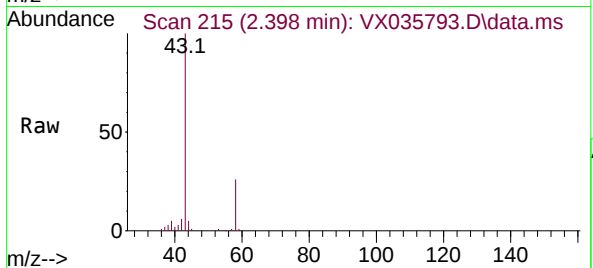




#16
Acetone
Concen: 31.647 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

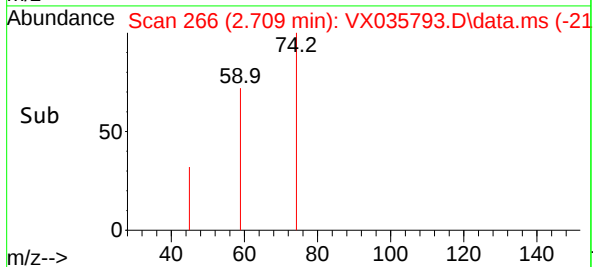
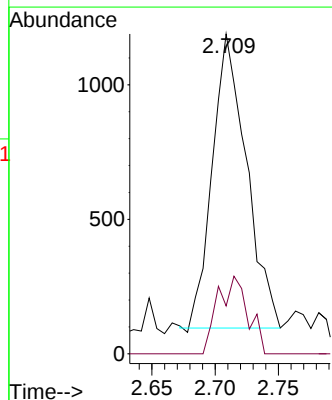
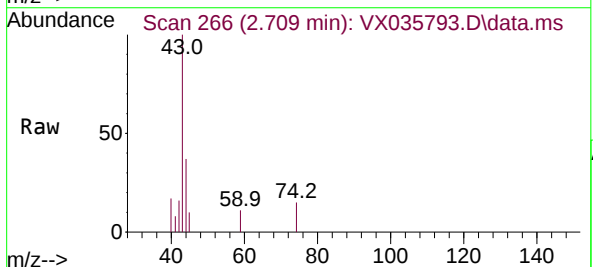
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

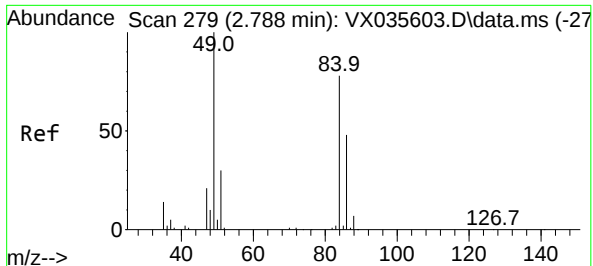
Tgt Ion: 43 Resp: 45573
Ion Ratio Lower Upper
43 100
58 25.7 24.7 37.1



#18
Methyl Acetate
Concen: 0.385 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
74 23.4 18.3 27.5

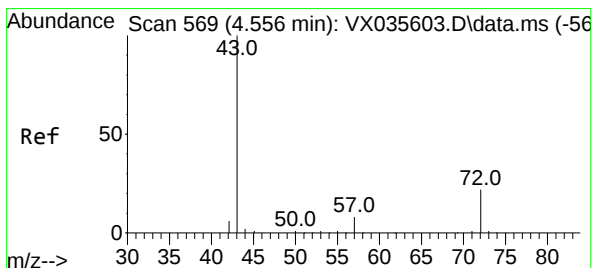
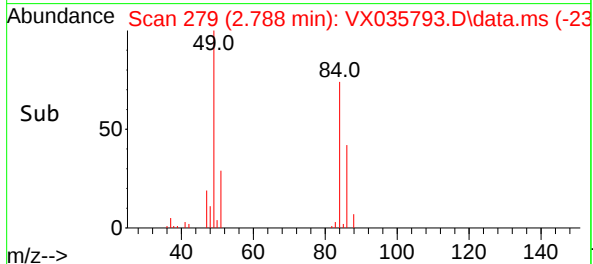
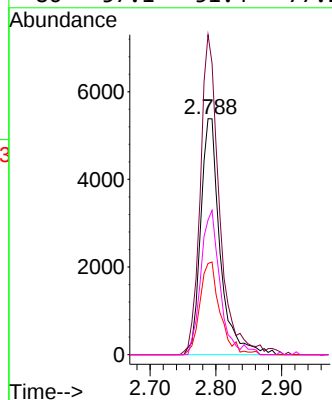
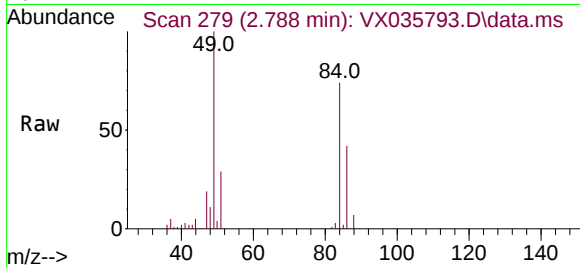




#20
Methylene Chloride
Concen: 4.241 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

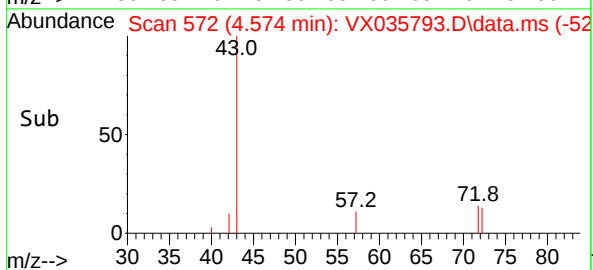
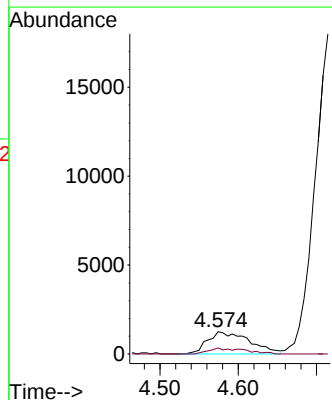
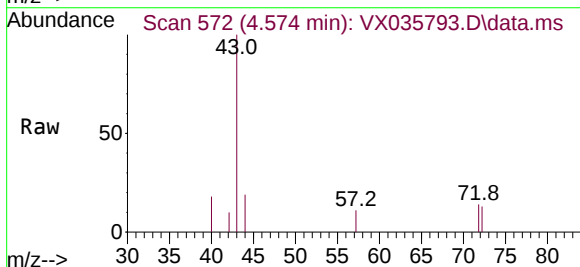
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

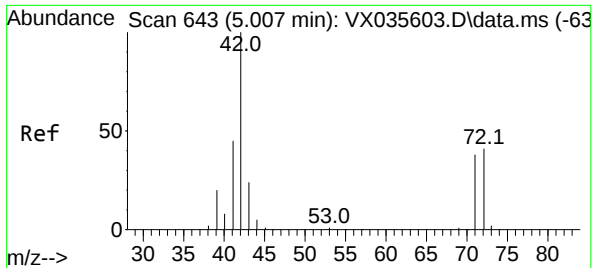
Tgt Ion:	84	Resp:	11069
Ion	Ratio	Lower	Upper
84	100		
49	135.6	103.8	155.8
51	38.7	31.8	47.8
86	57.1	51.4	77.2



#25
2-Butanone
Concen: 2.352 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion:	43	Resp:	4688
Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.675 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB152922TB

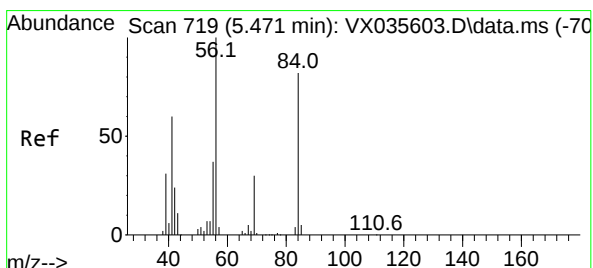
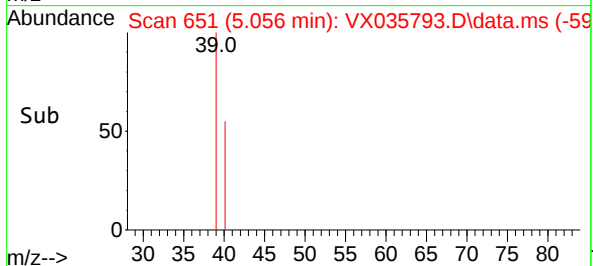
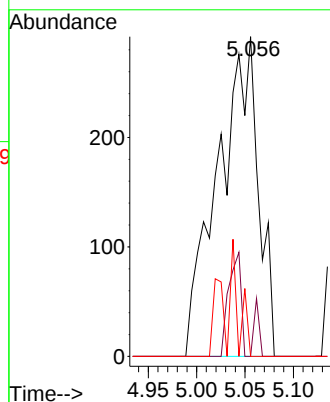
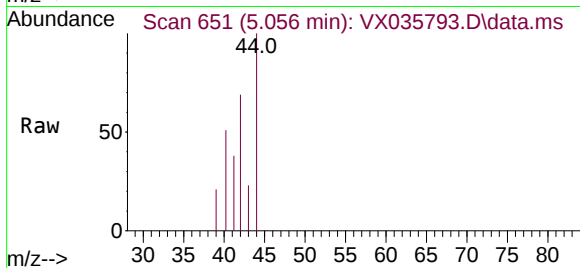
Tgt Ion: 42 Resp: 846

Ion Ratio Lower Upper

42 100

72 2.2 34.5 51.7#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.282 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

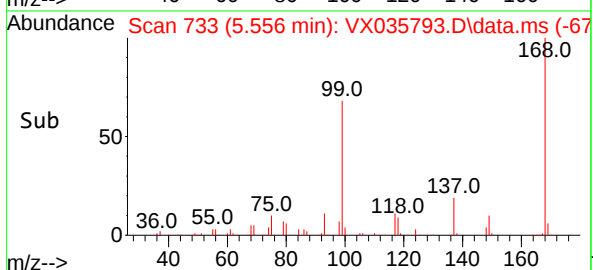
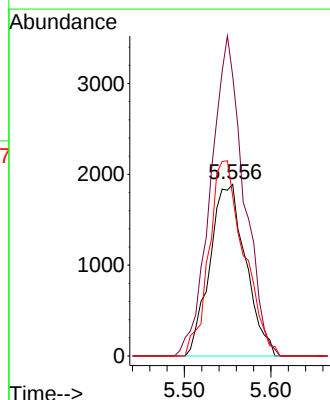
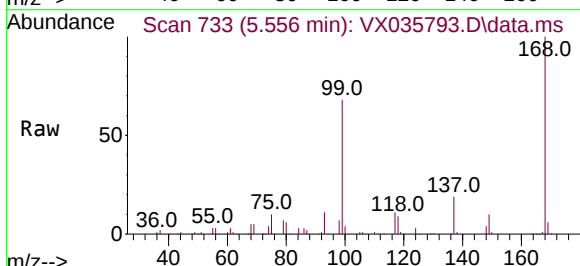
Tgt Ion: 56 Resp: 5428

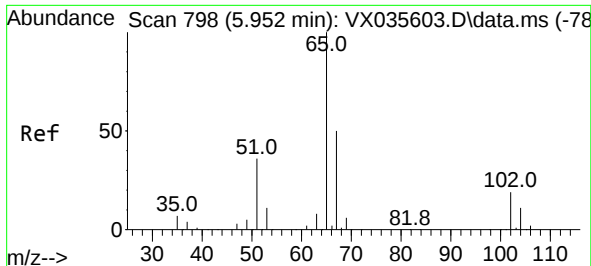
Ion Ratio Lower Upper

56 100

69 163.3 23.7 35.5#

84 93.2 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 52.243 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

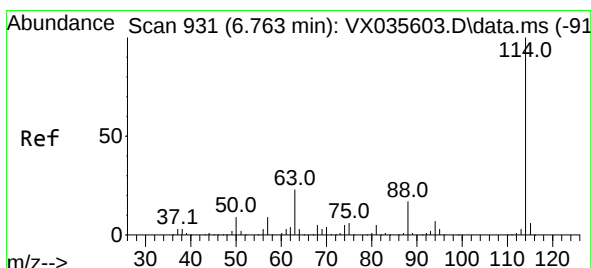
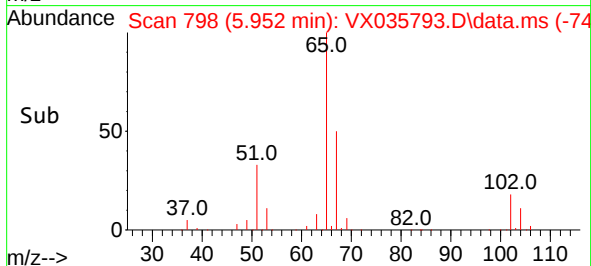
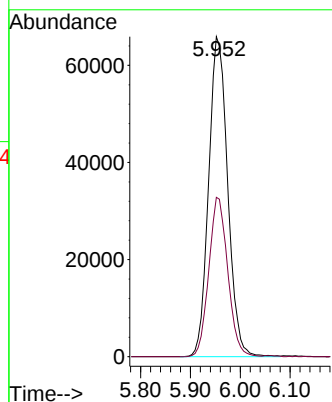
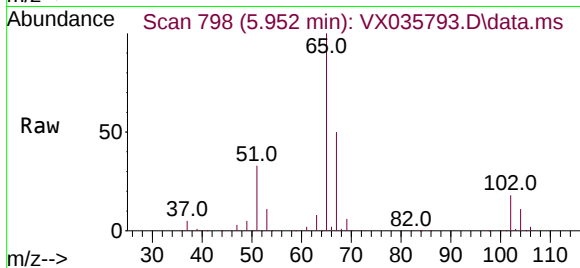
PB152922TB

Tgt Ion: 65 Resp: 175042

Ion Ratio Lower Upper

65 100

67 49.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

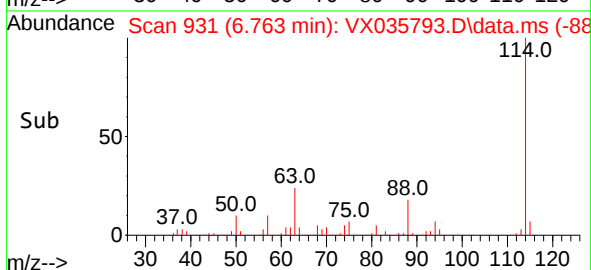
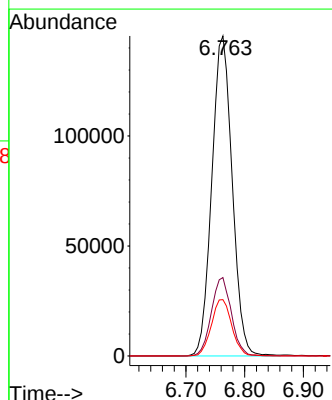
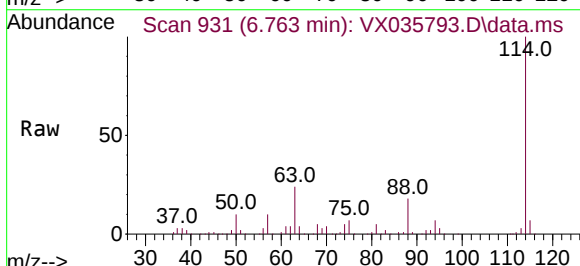
Tgt Ion: 114 Resp: 350339

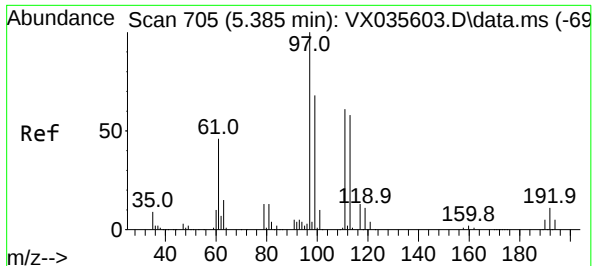
Ion Ratio Lower Upper

114 100

63 24.5 0.0 42.2

88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.844 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB152922TB

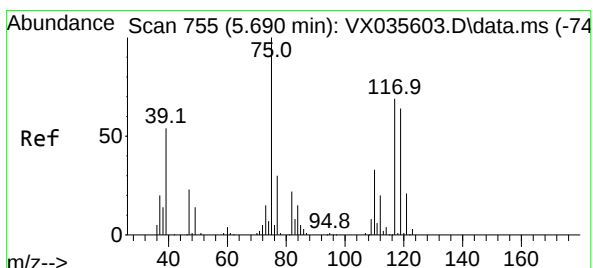
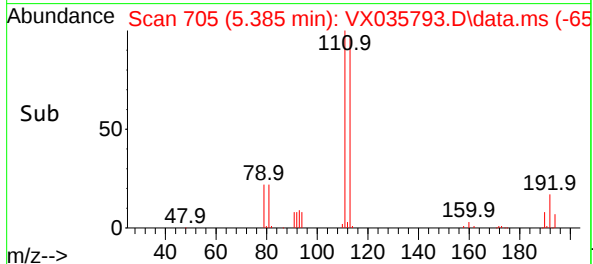
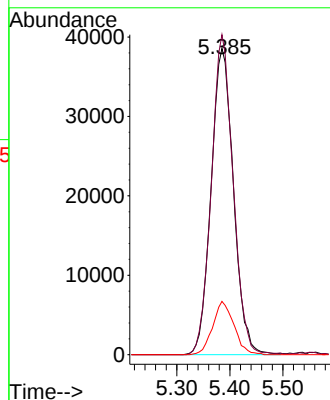
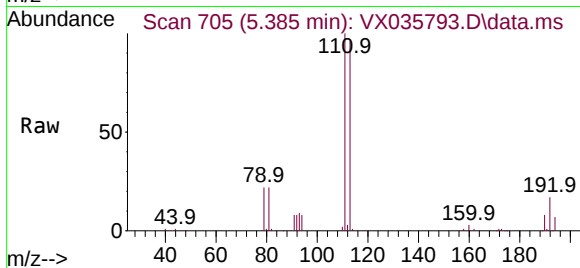
Tgt Ion:113 Resp: 113039

Ion Ratio Lower Upper

113 100

111 101.6 83.7 125.5

192 16.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.935 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

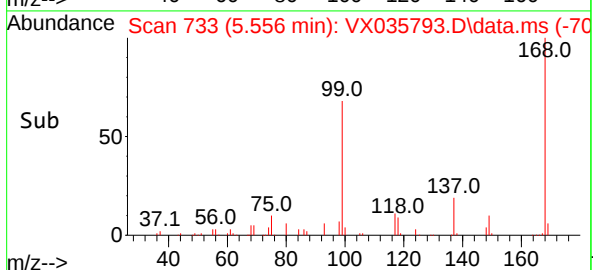
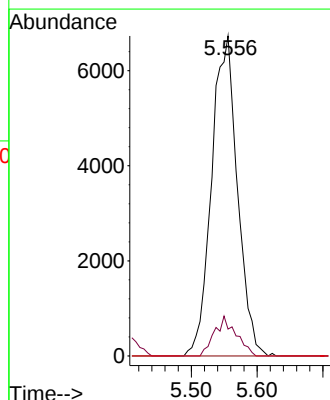
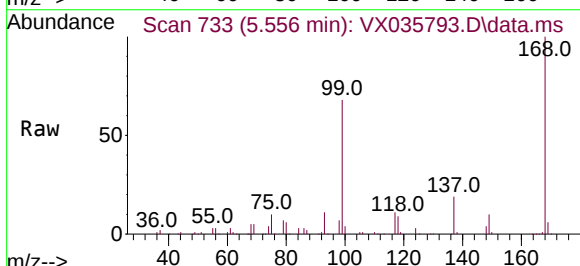
Tgt Ion: 75 Resp: 18405

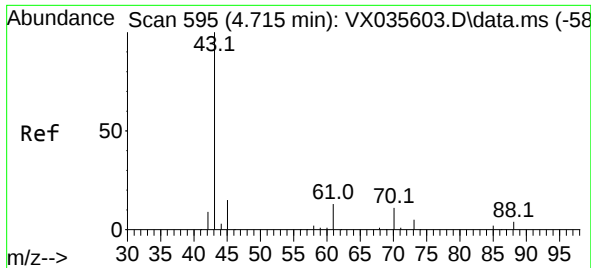
Ion Ratio Lower Upper

75 100

110 10.4 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.913 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

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ClientSampleId :

PB152922TB

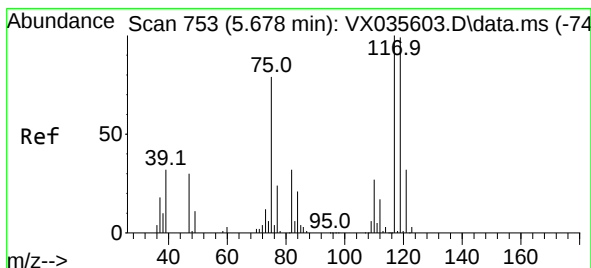
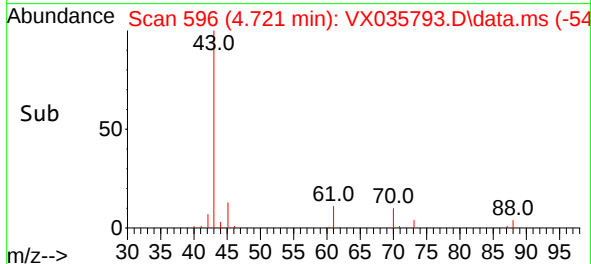
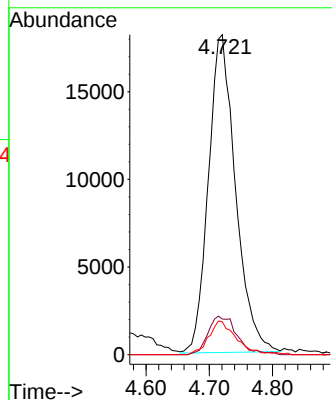
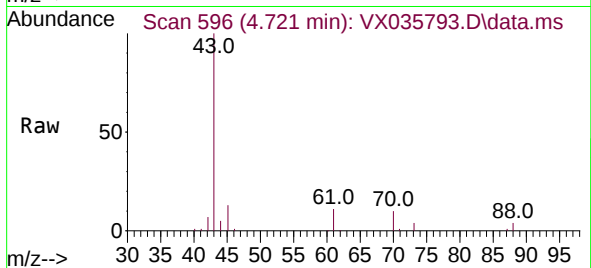
Tgt Ion: 43 Resp: 54119

Ion Ratio Lower Upper

43 100

61 13.0 10.2 15.4

70 10.8 8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.203 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

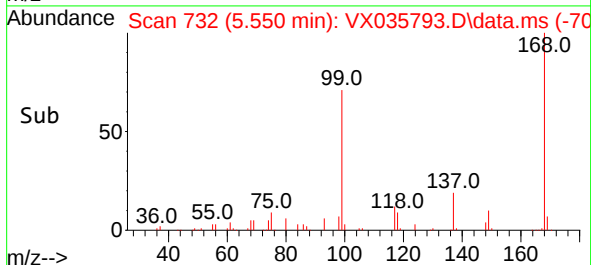
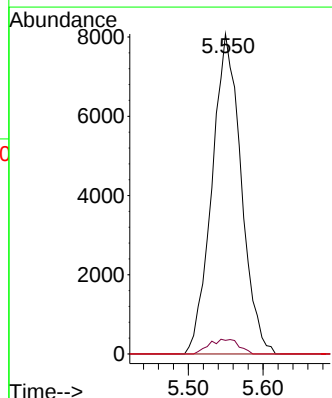
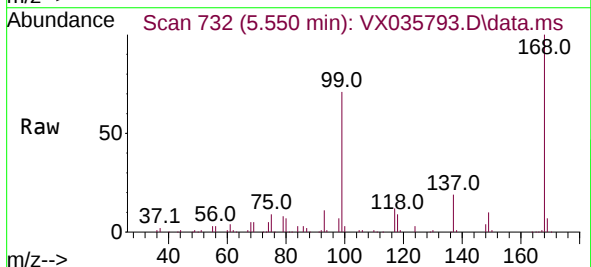
Tgt Ion: 117 Resp: 21914

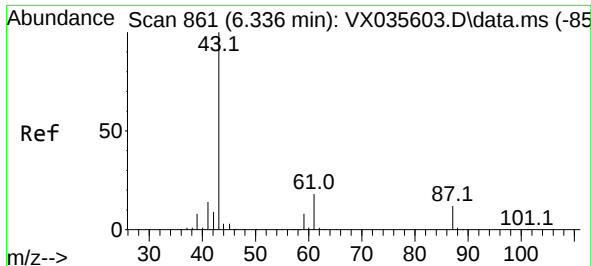
Ion Ratio Lower Upper

117 100

119 4.3 76.6 114.8#

121 0.0 23.8 35.6#

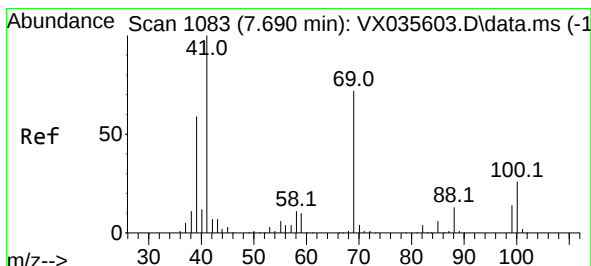
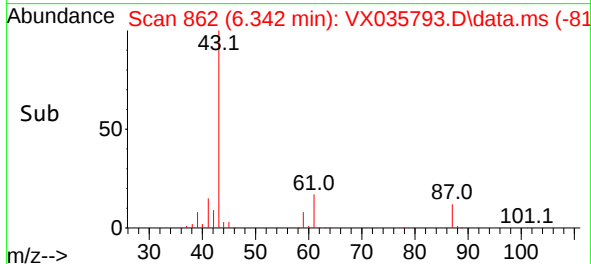
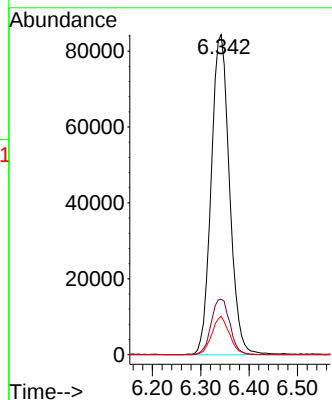
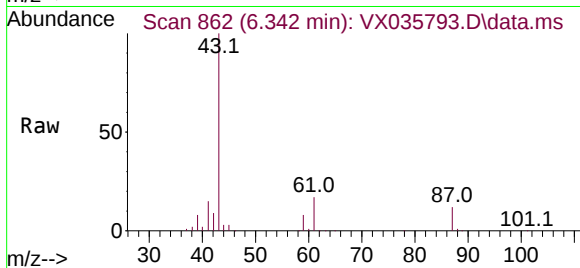




#43
Isopropyl Acetate
Concen: 32.643 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

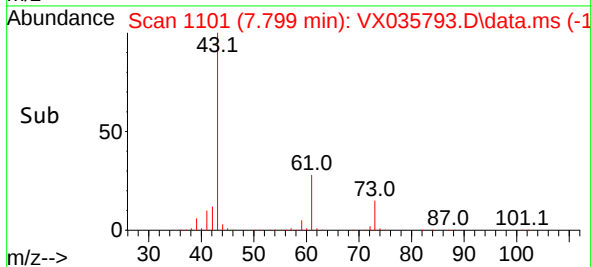
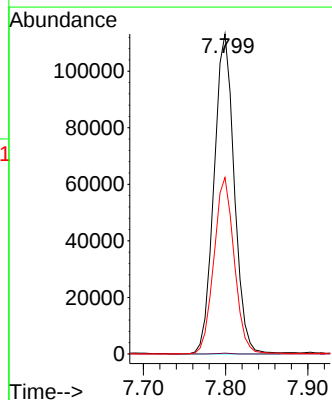
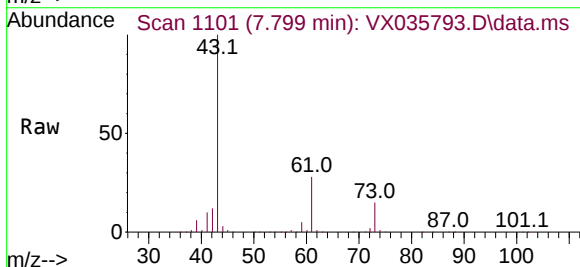
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

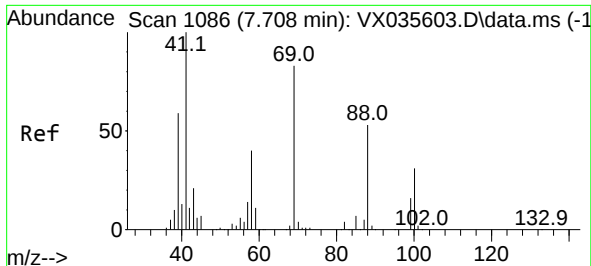
Tgt Ion: 43 Resp: 221418
Ion Ratio Lower Upper
43 100
61 17.7 15.2 22.8
87 11.5 9.8 14.8



#48
Methyl methacrylate
Concen: 57.810 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 41 Resp: 193522
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.5 47.7 71.5





#49

1,4-Dioxane

Concen: 2.607 ug/l

RT: 7.647 min Scan# 1086

Delta R.T. -0.061 min

Lab File: VX035793.D

Acq: 22 May 2023 18:32

Instrument :

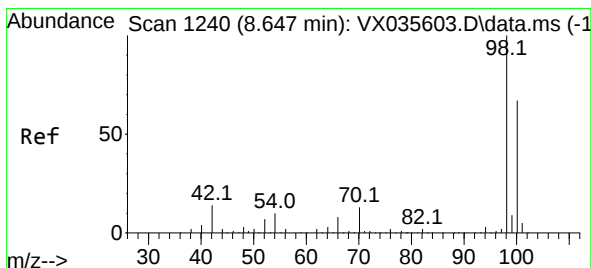
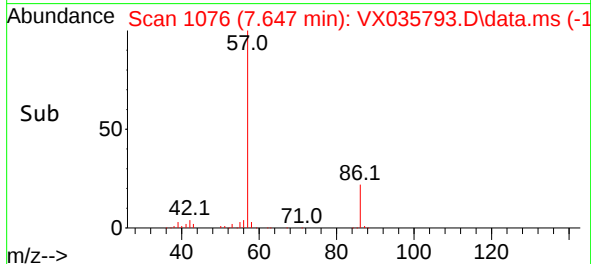
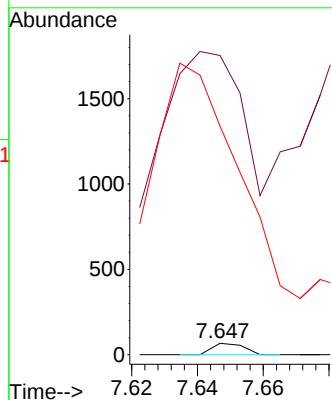
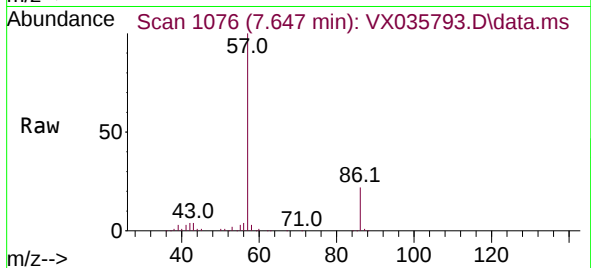
MSVOA_X

ClientSampleId :

PB152922TB

Tgt Ion: 88 Resp: 45

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	7800.0	56.8	85.2#



#50

Toluene-d8

Concen: 47.792 ug/l

RT: 8.647 min Scan# 1240

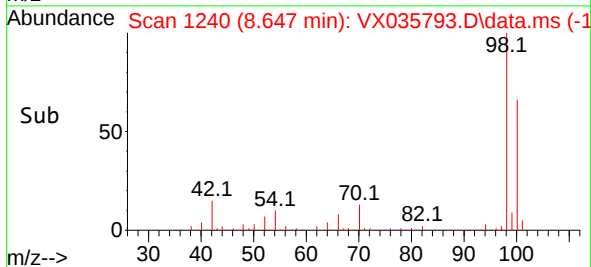
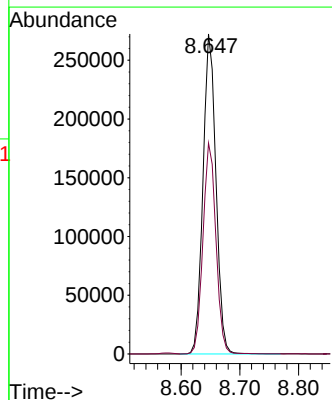
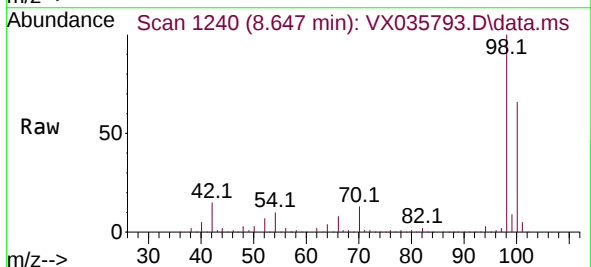
Delta R.T. -0.000 min

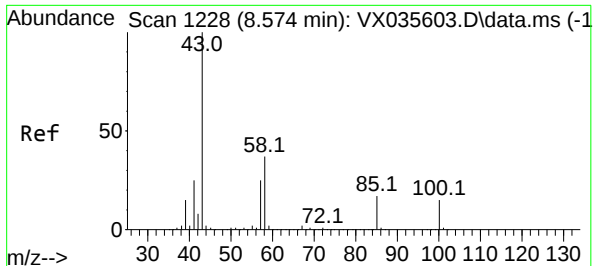
Lab File: VX035793.D

Acq: 22 May 2023 18:32

Tgt Ion: 98 Resp: 417143

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

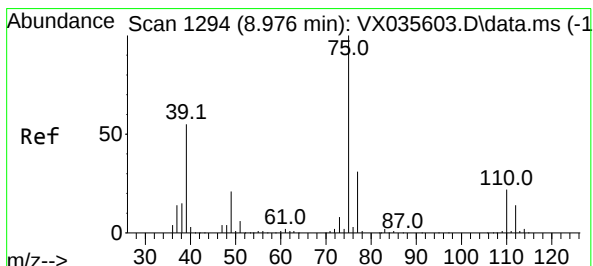
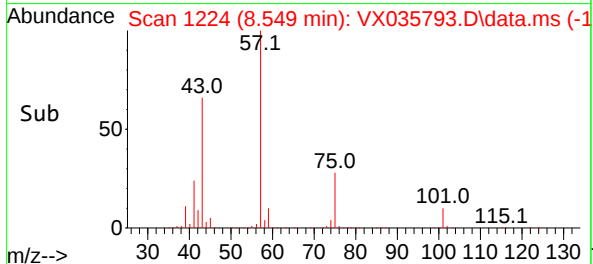
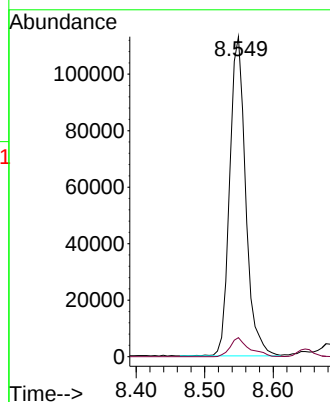
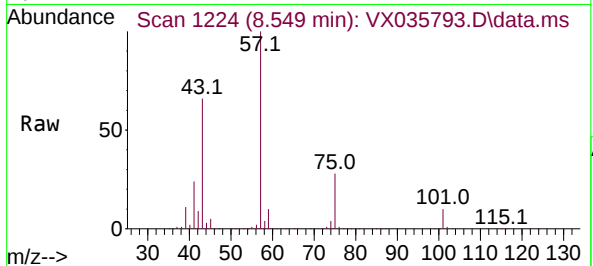




#51
4-Methyl-2-Pentanone
Concen: 46.663 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

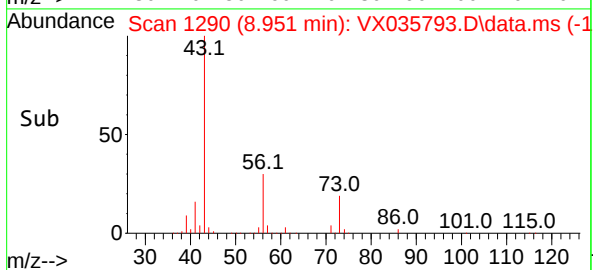
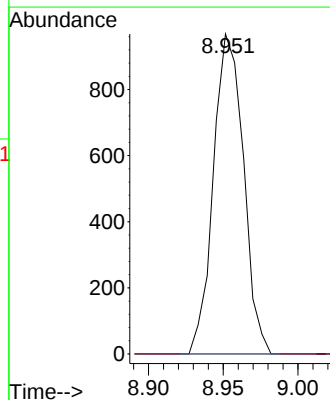
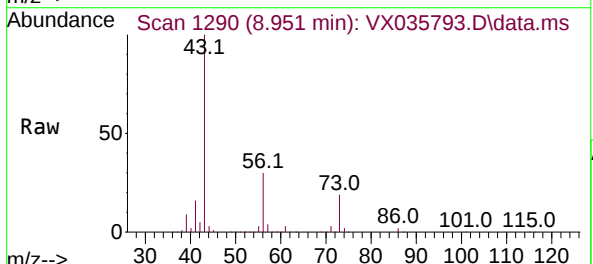
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

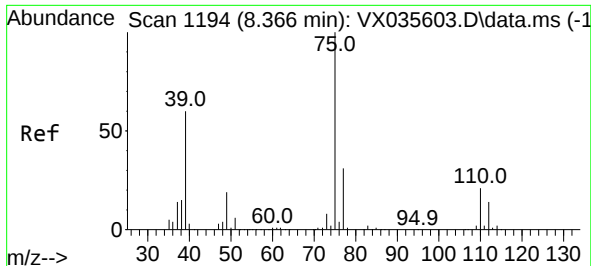
Tgt Ion: 43 Resp: 182347
Ion Ratio Lower Upper
43 100
58 7.1 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.341 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 75 Resp: 1354
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

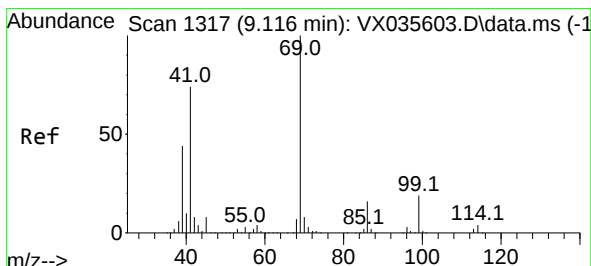
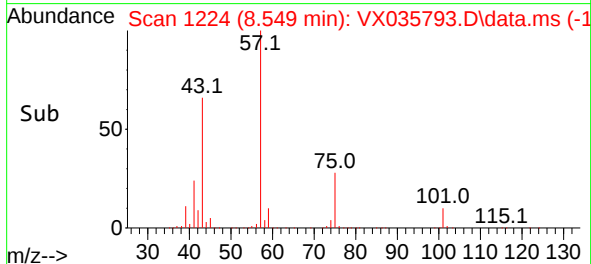
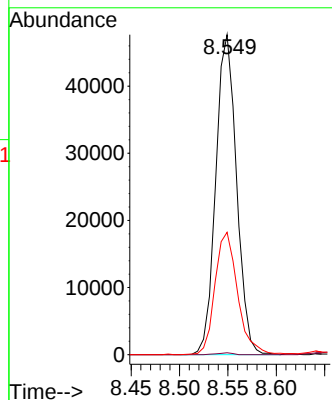
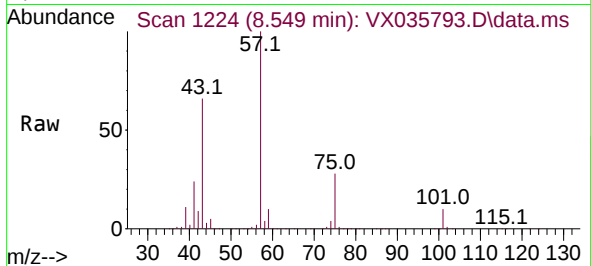




#54
 cis-1,3-Dichloropropene
 Concen: 16.719 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX035793.D
 Acq: 22 May 2023 18:32

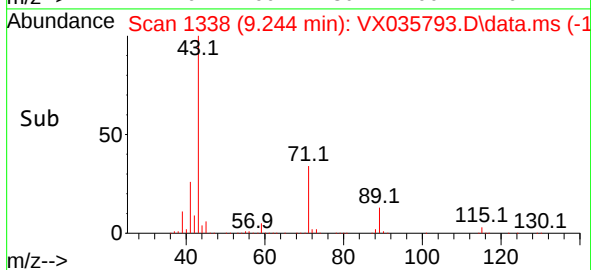
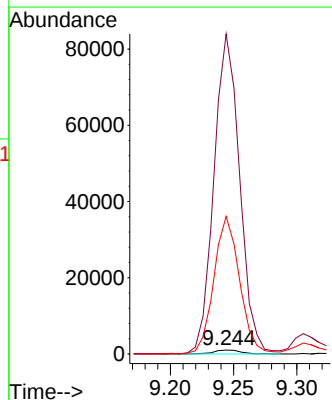
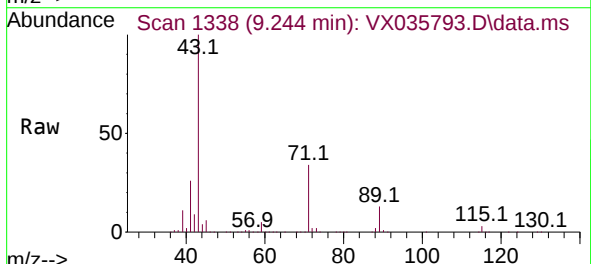
Instrument :
 MSVOA_X
 ClientSampleId :
 PB152922TB

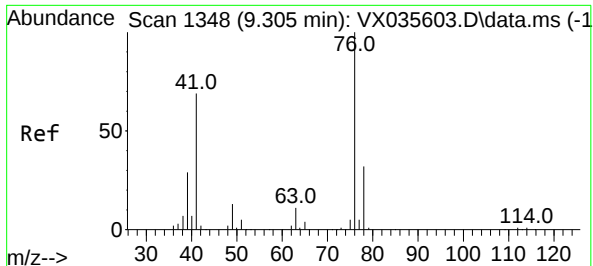
Tgt Ion: 75 Resp: 71145
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 38.3 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.364 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX035793.D
 Acq: 22 May 2023 18:32

Tgt Ion: 69 Resp: 1523
 Ion Ratio Lower Upper
 69 100
 41 7812.3 57.4 86.0#
 39 3356.9 33.7 50.5#

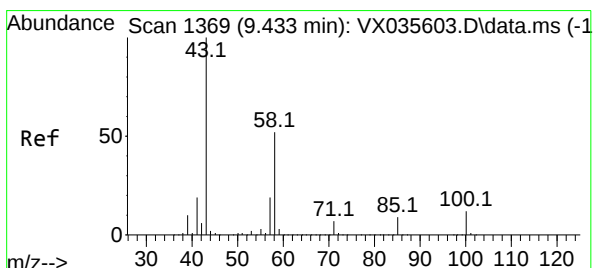
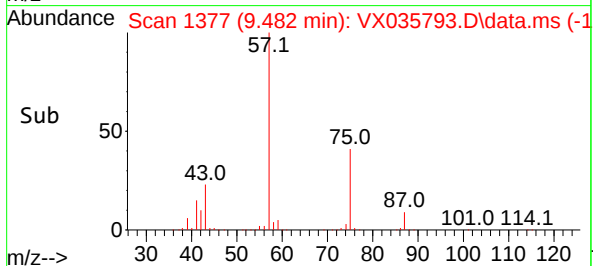
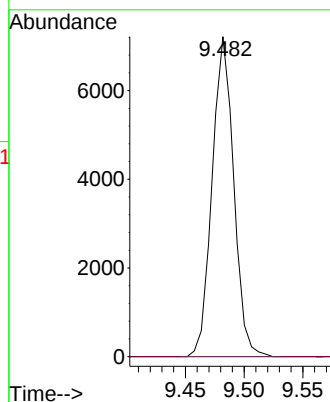
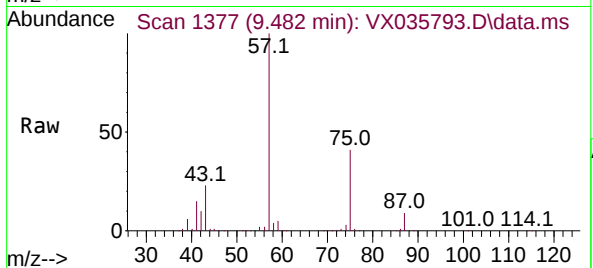




#57
1,3-Dichloropropane
Concen: 1.966 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

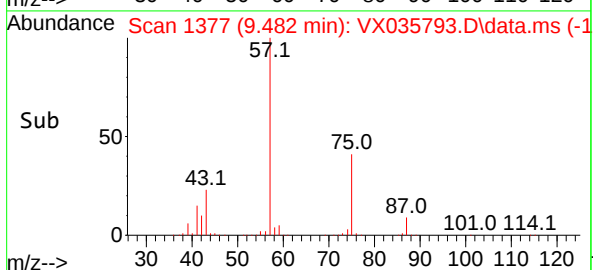
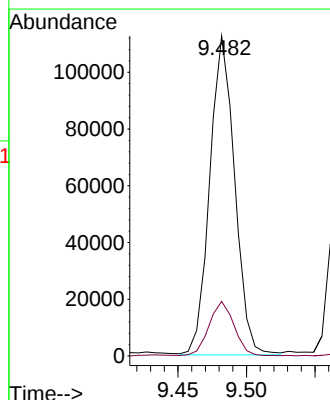
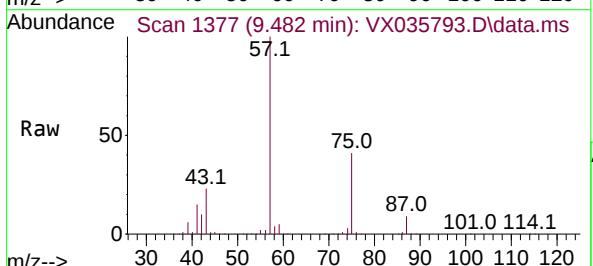
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

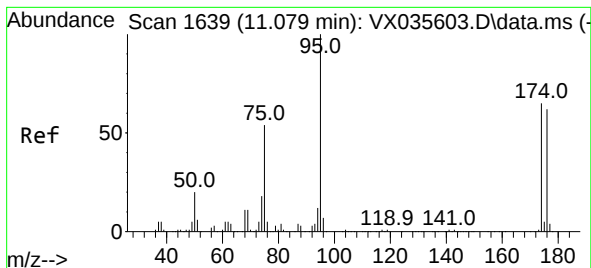
Tgt Ion: 76 Resp: 9221
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 48.421 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 43 Resp: 142499
Ion Ratio Lower Upper
43 100
58 17.3 26.3 78.9#

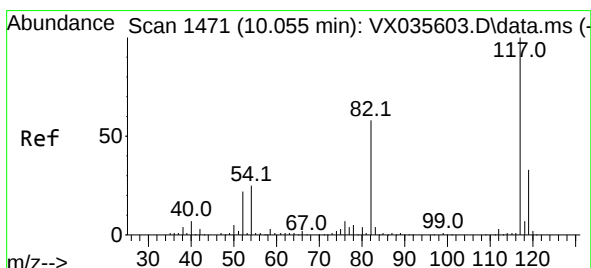
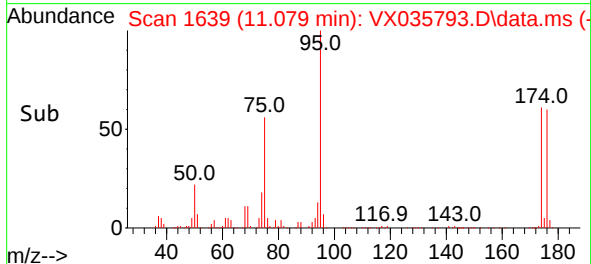
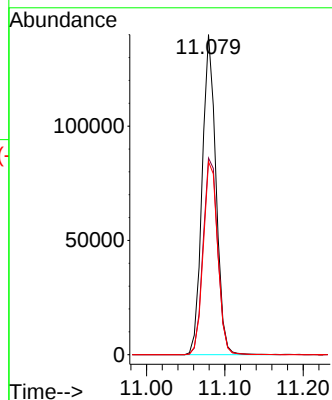
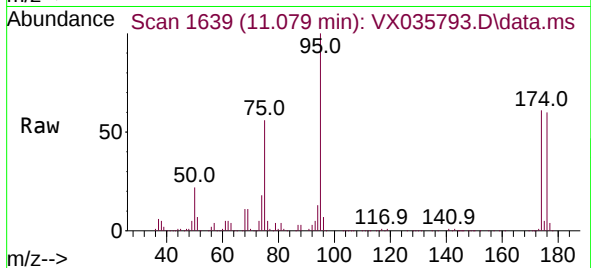




#62
4-Bromofluorobenzene
Concen: 48.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

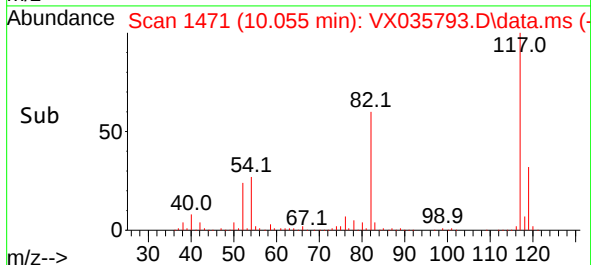
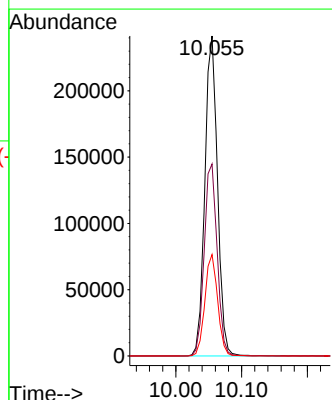
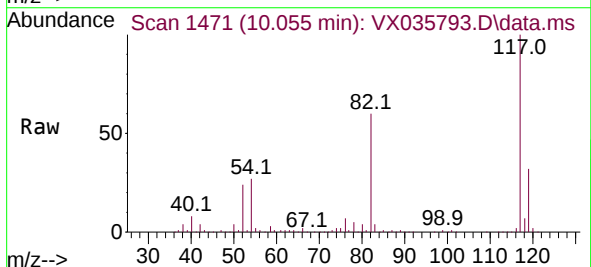
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

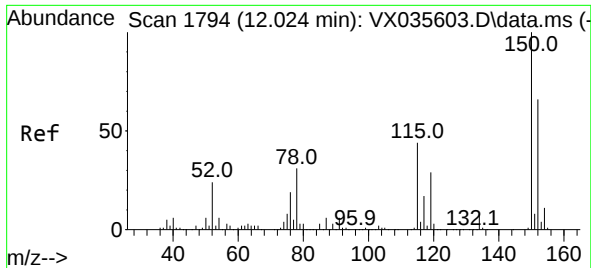
Tgt Ion: 95 Resp: 171079
Ion Ratio Lower Upper
95 100
174 65.1 0.0 147.4
176 63.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 117 Resp: 322272
Ion Ratio Lower Upper
117 100
82 60.0 45.0 67.4
119 31.7 26.0 39.0

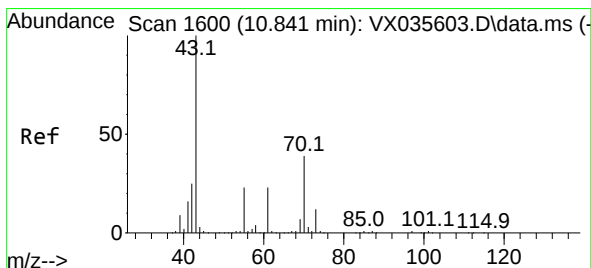
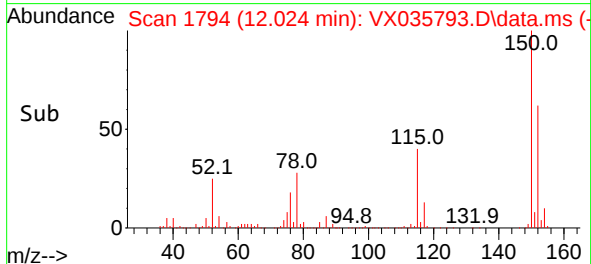
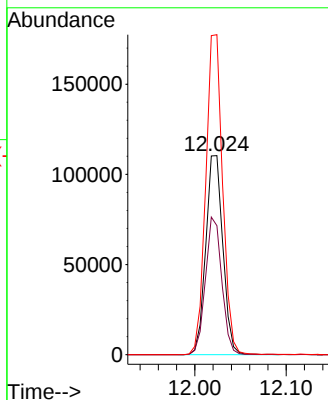
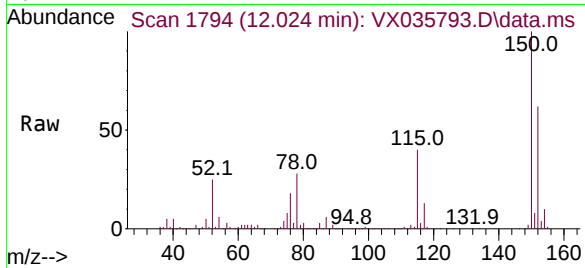




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

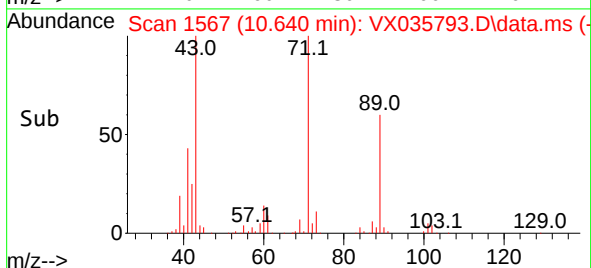
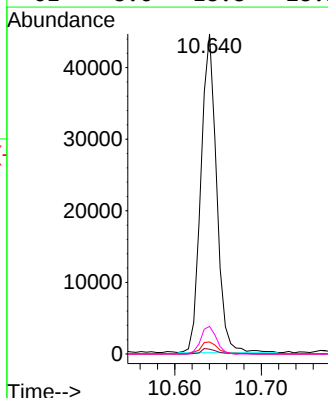
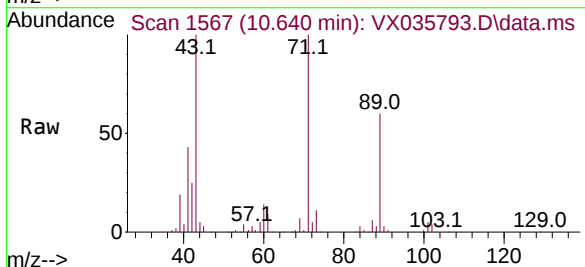
Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

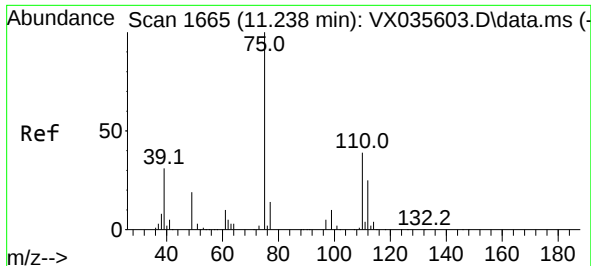
Tgt Ion:152 Resp: 142981
Ion Ratio Lower Upper
152 100
115 66.3 45.0 135.0
150 158.5 0.0 352.4



#74
N-ethyl acetate
Concen: 9.973 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 43 Resp: 56023
Ion Ratio Lower Upper
43 100
70 1.6 32.1 48.1#
55 4.4 18.3 27.5#
61 8.6 18.8 28.2#

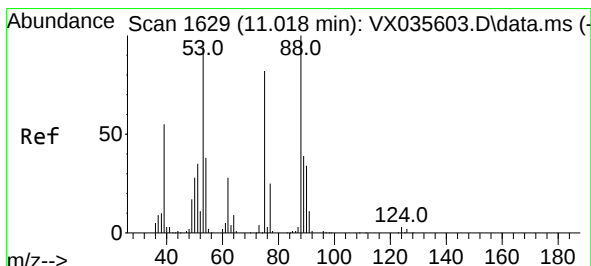
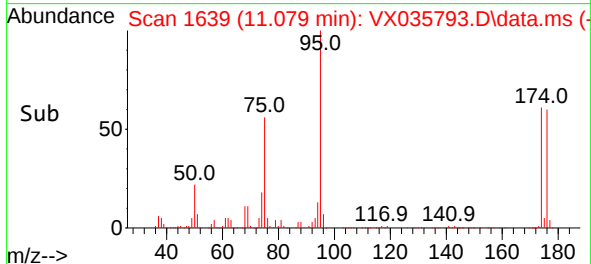
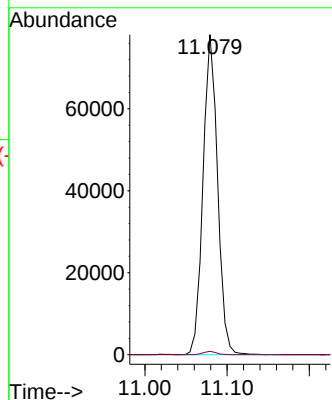
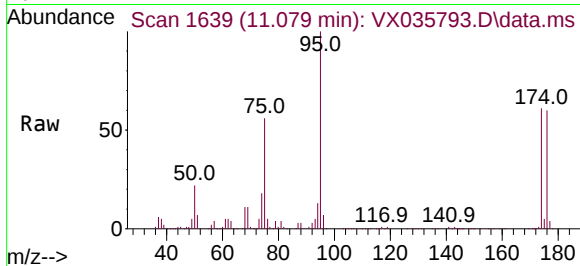




#76
1,2,3-Trichloropropane
Concen: 27.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB152922TB

Tgt Ion: 75 Resp: 95747
Ion Ratio Lower Upper
75 100
77 0.9 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.232 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035793.D
Acq: 22 May 2023 18:32

Tgt Ion: 75 Resp: 95747
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

