

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026858.D
 Acq On : 09 Feb 2022 05:52
 Operator : JC/MD
 Sample : N1432-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-4

Quant Time: Feb 09 06:44:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

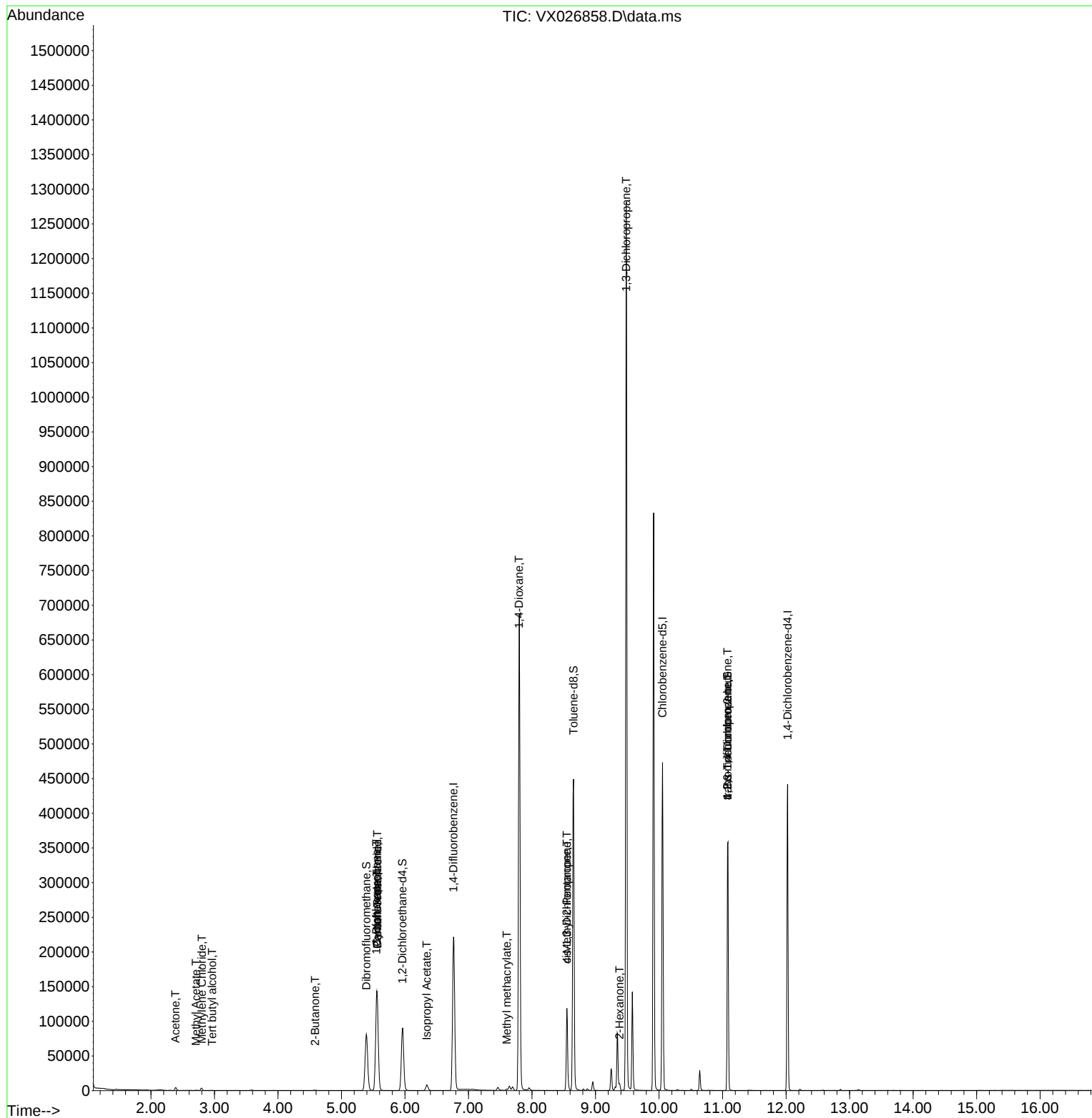
Internal Standards						
1) Pentafluorobenzene	5.562	168	137021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88772	53.971	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.940%	
35) Dibromofluoromethane	5.391	113	71107	52.157	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.320%	
50) Toluene-d8	8.653	98	271251	54.202	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.400%	
62) 4-Bromofluorobenzene	11.079	95	100067	56.795	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.600%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.453	64	20	Below Cal	#	43
11) Tert butyl alcohol	2.965	59	140	0.471	ug/l #	75
16) Acetone	2.386	43	5215	7.219	ug/l	98
18) Methyl Acetate	2.709	43	826	0.397	ug/l #	69
20) Methylene Chloride	2.800	84	1686	1.077	ug/l	86
25) 2-Butanone	4.587	43	900	0.773	ug/l #	81
31) Cyclohexane	5.556	56	2732	1.045	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10696	4.973	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13959	6.189	ug/l #	17
43) Isopropyl Acetate	6.342	43	11161	2.968	ug/l	99
48) Methyl methacrylate	7.604	41	3095	1.661	ug/l #	16
49) 1,4-Dioxane	7.793	88	95	2.959	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	40409	17.731	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	18787	8.096	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	11158	4.325	ug/l #	43
59) 2-Hexanone	9.378	43	5671	3.402	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	49417	25.142	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	49417	76.669	ug/l #	3

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

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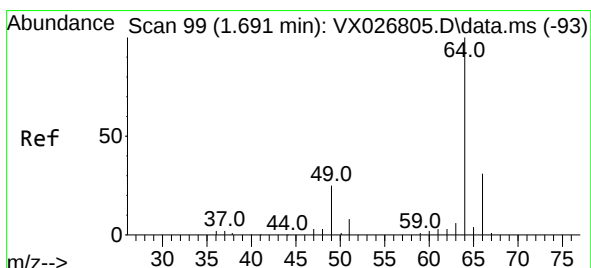
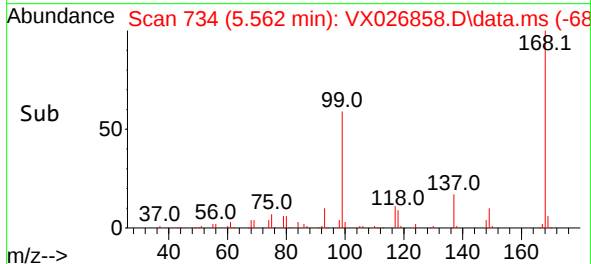
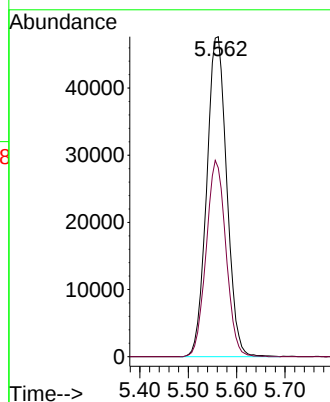
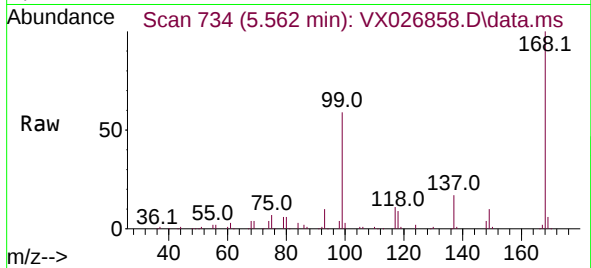




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

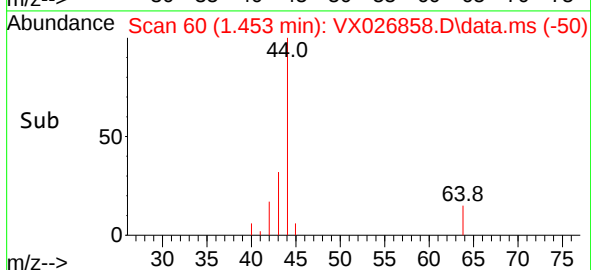
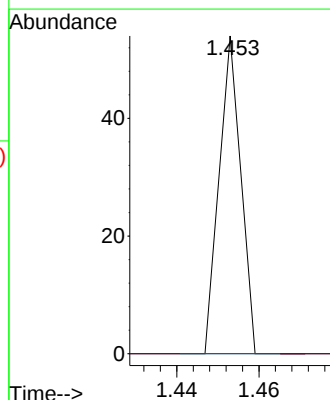
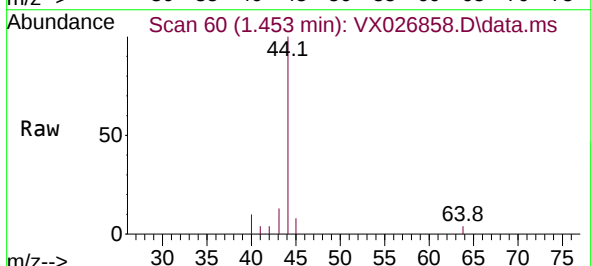
Instrument :
MSVOA_X
ClientSampleId :
SP-4

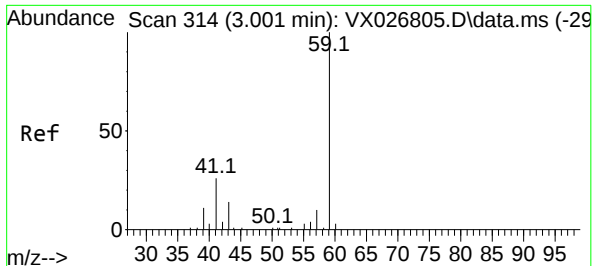
Tgt Ion:168 Resp: 137021
Ion Ratio Lower Upper
168 100
99 59.0 50.3 75.5



#6
Chloroethane
Concen: Below Cal
RT: 1.453 min Scan# 60
Delta R.T. -0.238 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

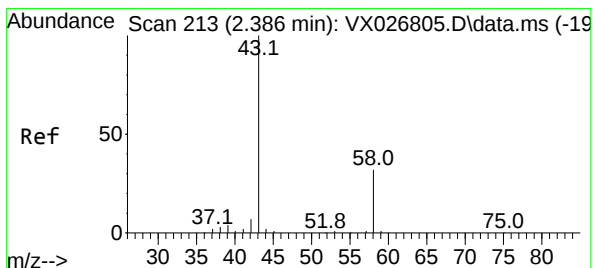
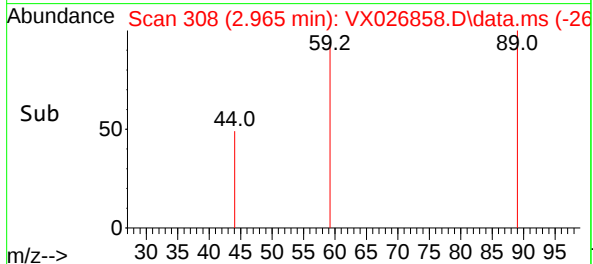
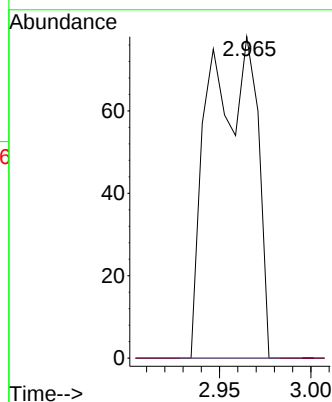
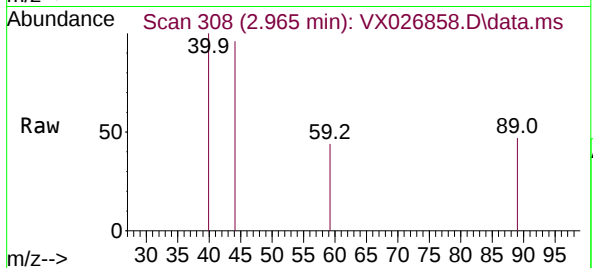




#11
Tert butyl alcohol
Concen: 0.471 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.036 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

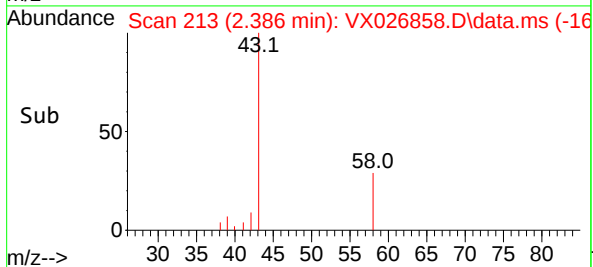
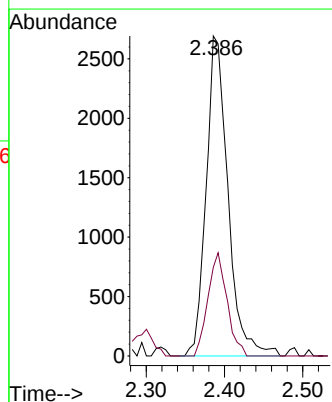
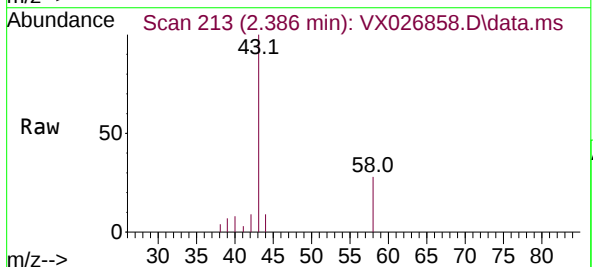
Instrument :
MSVOA_X
ClientSampleId :
SP-4

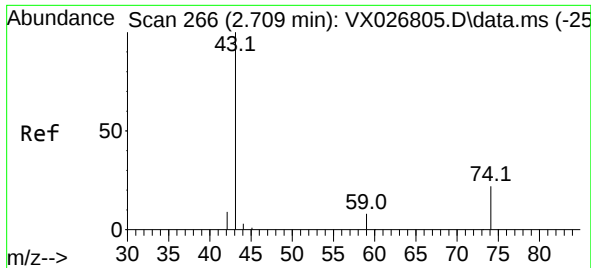
Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 7.219 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 43 Resp: 5215
Ion Ratio Lower Upper
43 100
58 27.7 23.0 34.6

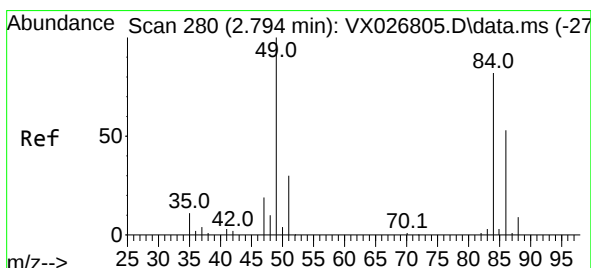
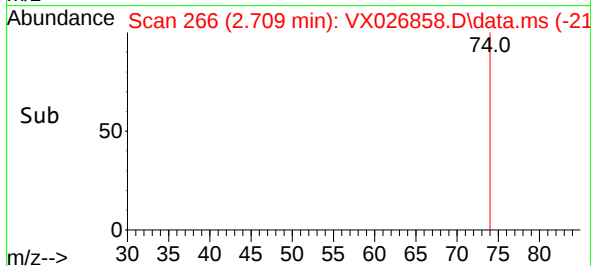
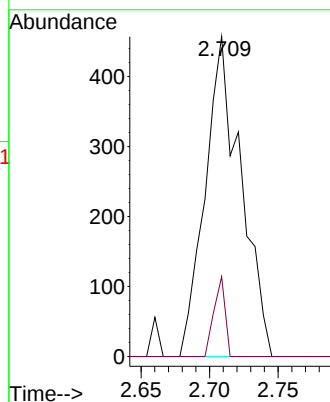
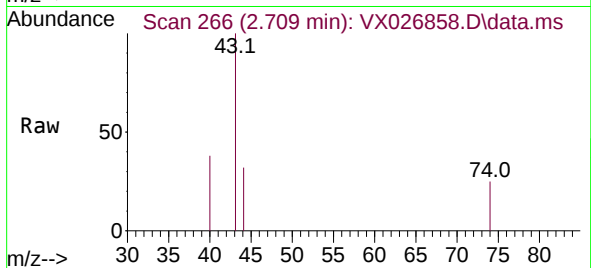




#18
Methyl Acetate
Concen: 0.397 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

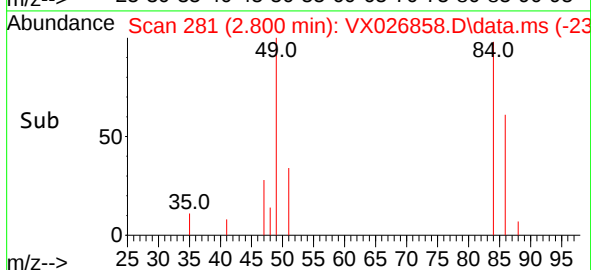
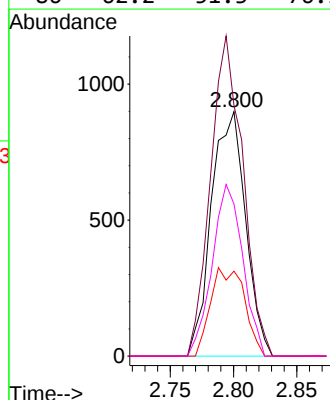
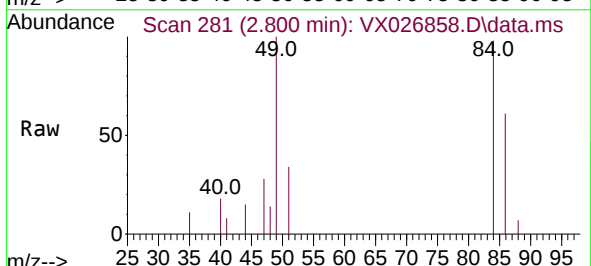
Instrument :
MSVOA_X
ClientSampleId :
SP-4

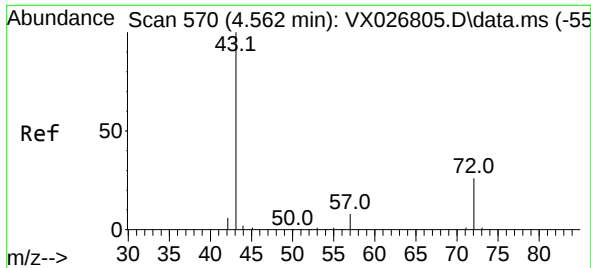
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
74 7.7 18.3 27.5#



#20
Methylene Chloride
Concen: 1.077 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 84 Resp: 1686
Ion Ratio Lower Upper
84 100
49 102.6 101.5 152.3
51 34.7 31.2 46.8
86 62.2 51.3 76.9

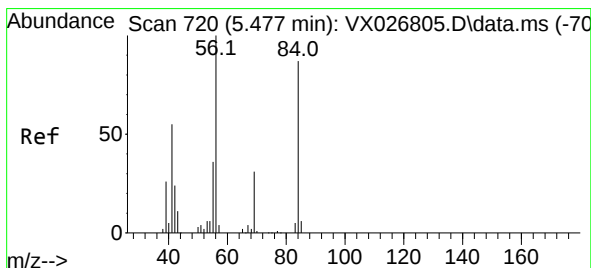
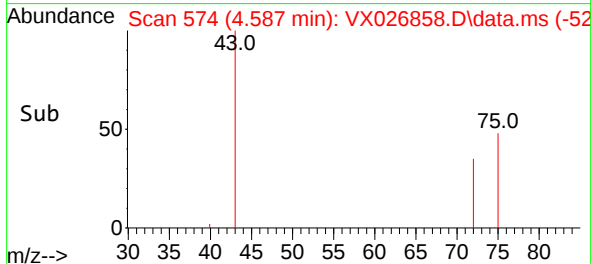
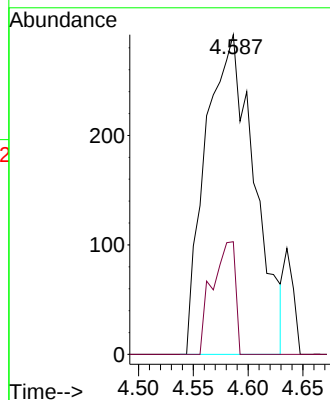
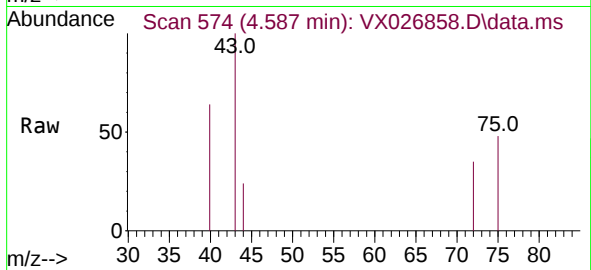




#25
2-Butanone
Concen: 0.773 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

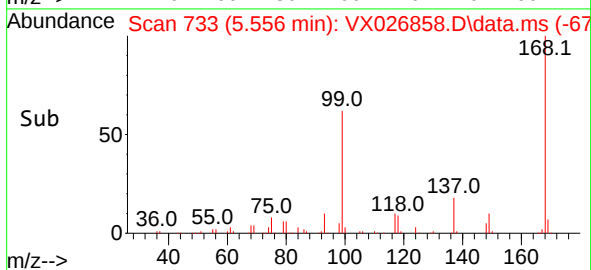
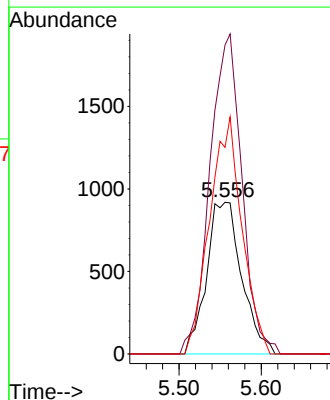
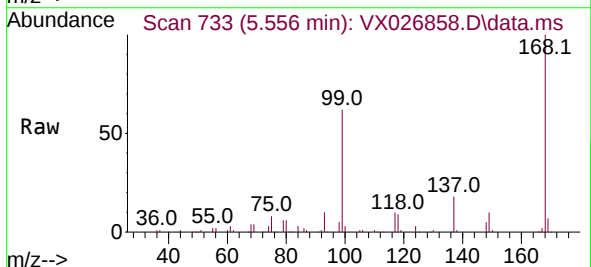
Instrument :
MSVOA_X
ClientSampleId :
SP-4

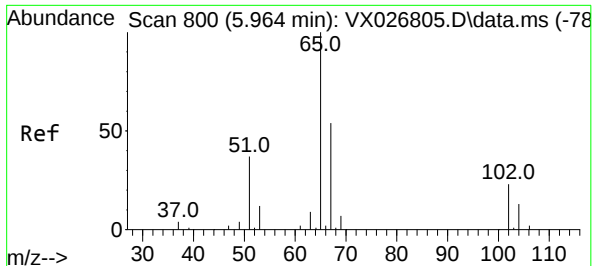
Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
72 35.3 20.4 30.6#



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 56 Resp: 2732
Ion Ratio Lower Upper
56 100
69 203.6 25.8 38.6#
84 136.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.971 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

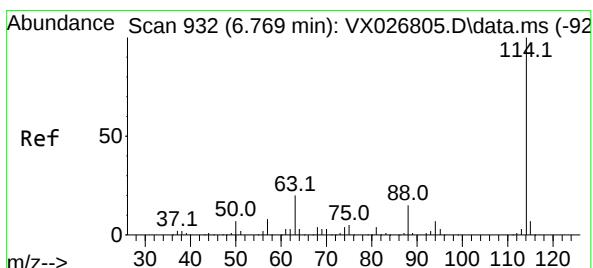
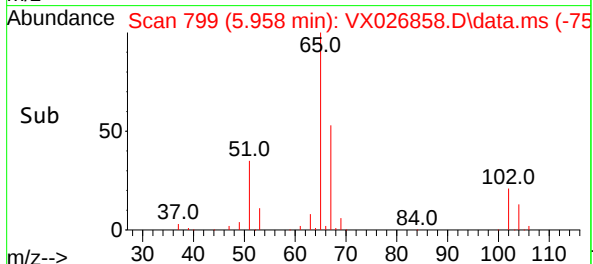
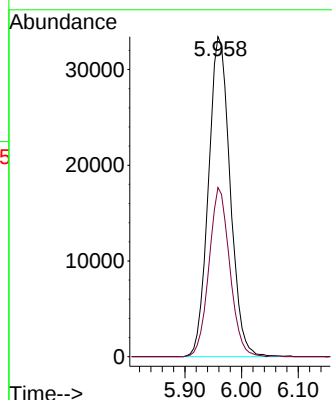
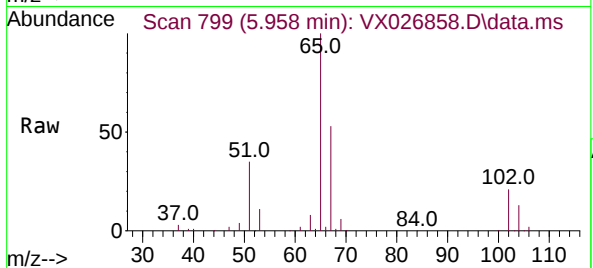
SP-4

Tgt Ion: 65 Resp: 88772

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

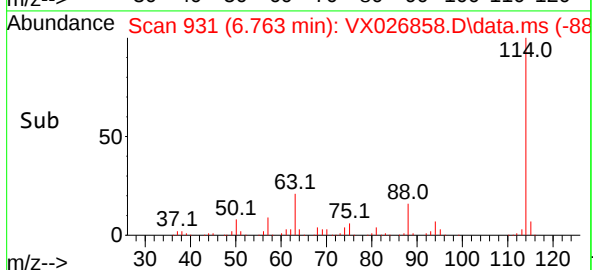
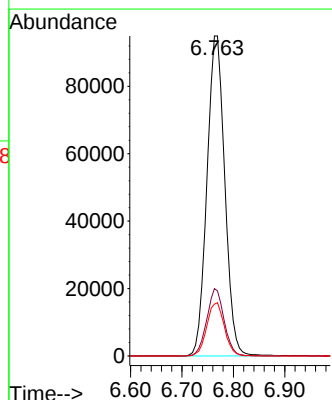
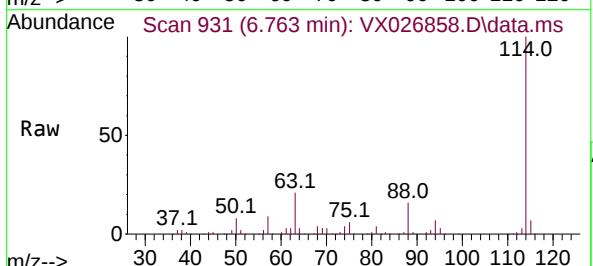
Tgt Ion: 114 Resp: 228832

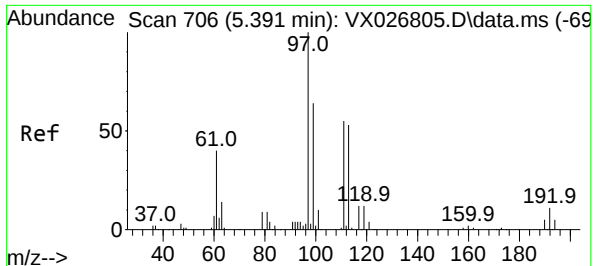
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.157 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

SP-4

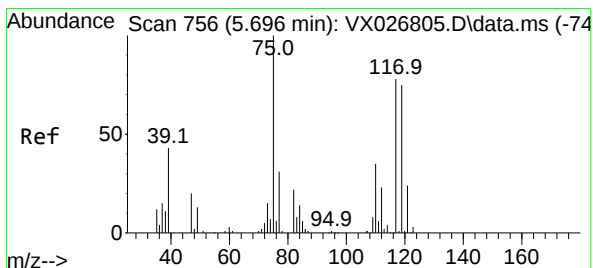
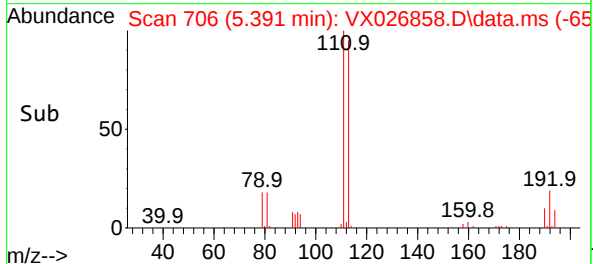
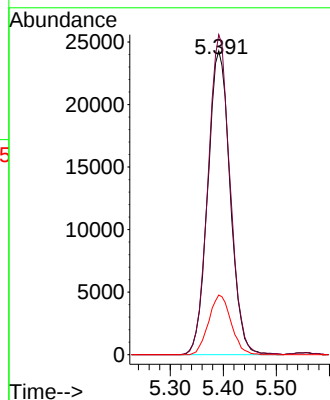
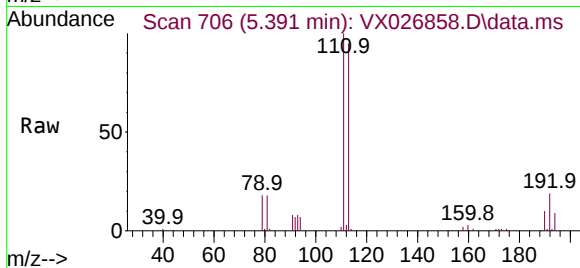
Tgt Ion:113 Resp: 71107

Ion Ratio Lower Upper

113 100

111 103.7 81.2 121.8

192 19.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.973 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

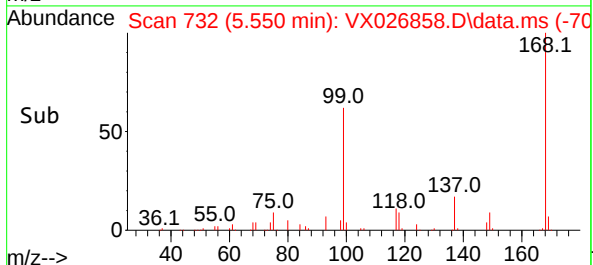
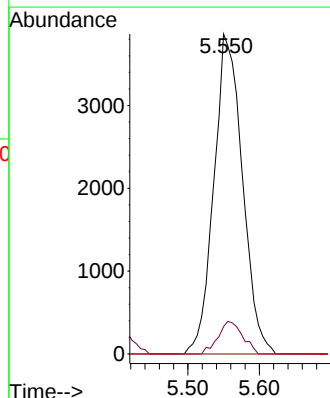
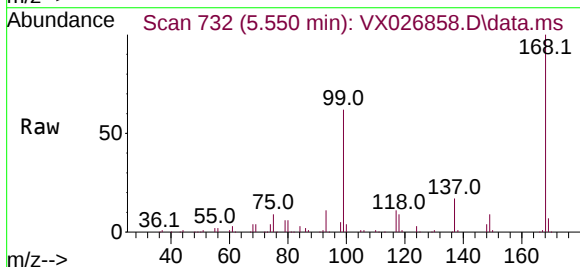
Tgt Ion: 75 Resp: 10696

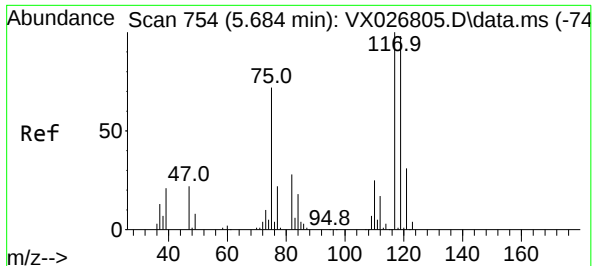
Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

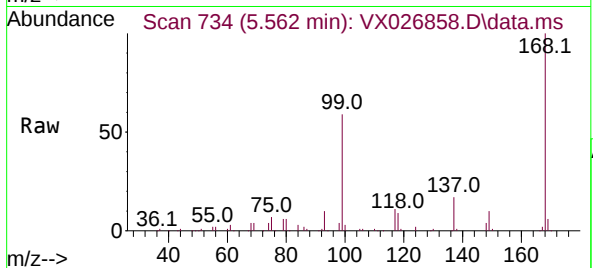
77 0.0 24.6 36.8#



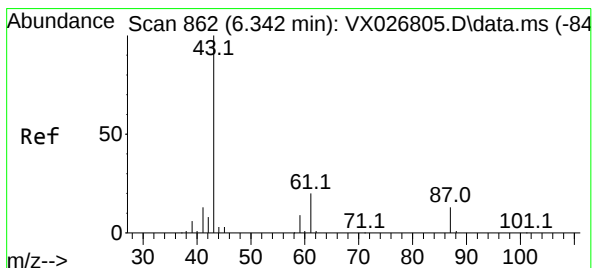
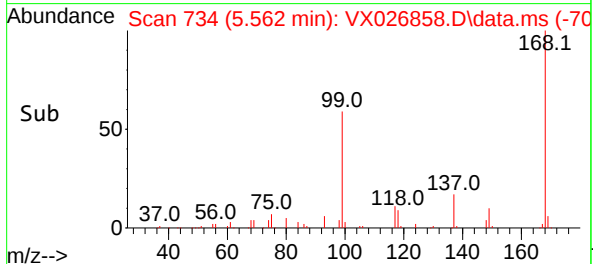
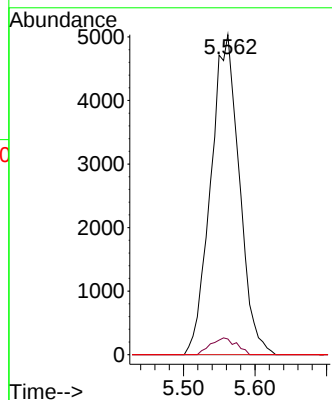


#38
Carbon Tetrachloride
Concen: 6.189 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Instrument :
MSVOA_X
ClientSampleId :
SP-4

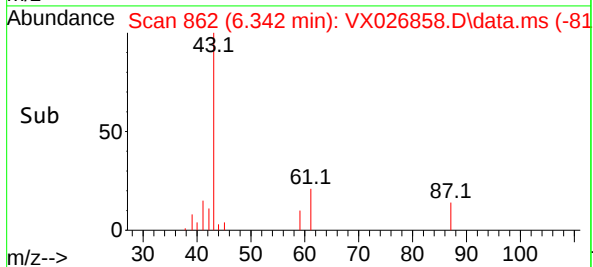
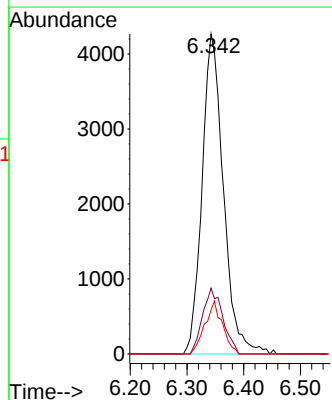
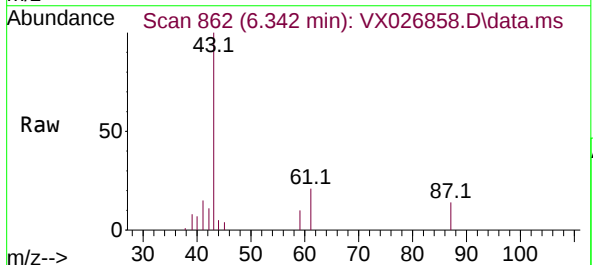


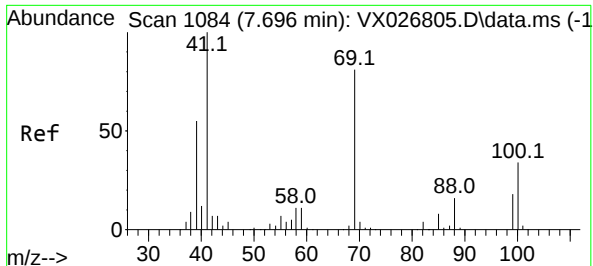
Tgt Ion:117 Resp: 13959
Ion Ratio Lower Upper
117 100
119 4.9 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 2.968 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 43 Resp: 11161
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 13.6 10.2 15.2





#48

Methyl methacrylate

Concen: 1.661 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.091 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

SP-4

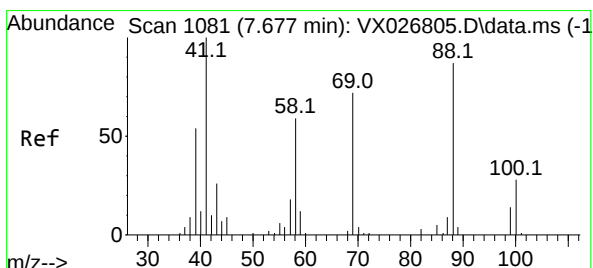
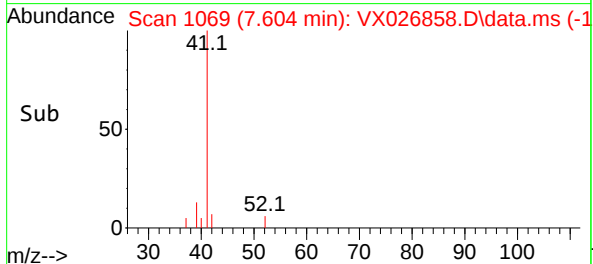
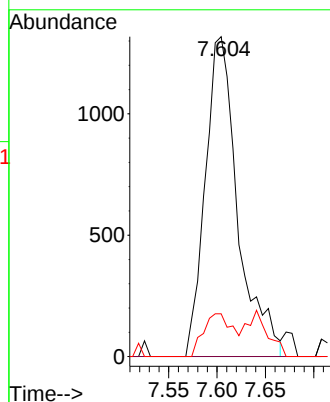
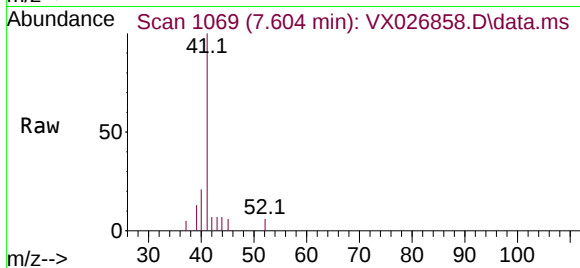
Tgt Ion: 41 Resp: 3095

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 0.0 45.4 68.0#



#49

1,4-Dioxane

Concen: 2.959 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.116 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

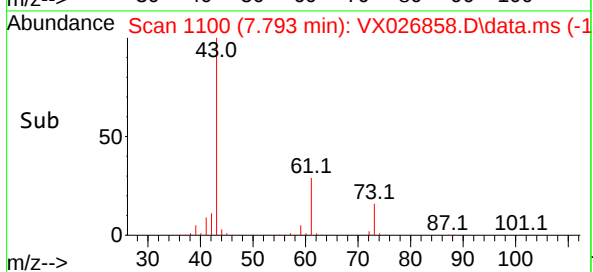
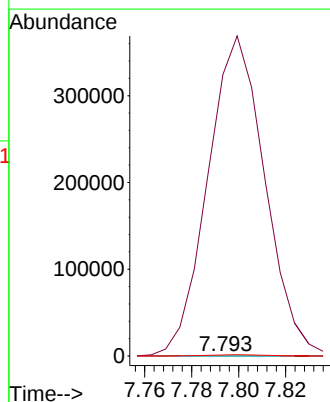
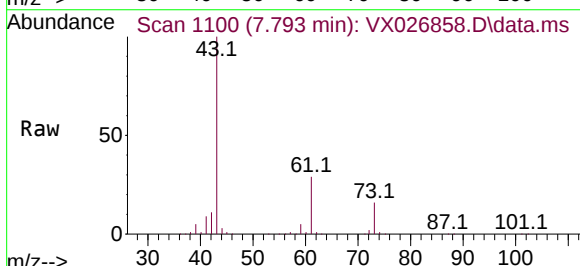
Tgt Ion: 88 Resp: 95

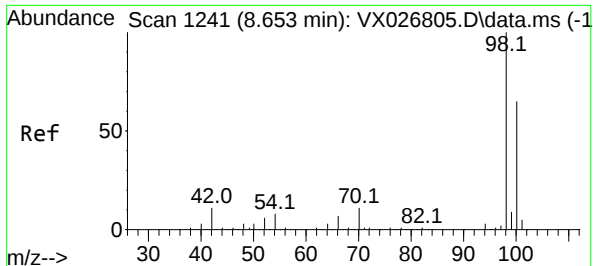
Ion Ratio Lower Upper

88 100

43 662441.1 29.9 44.9#

58 2515.8 57.8 86.6#

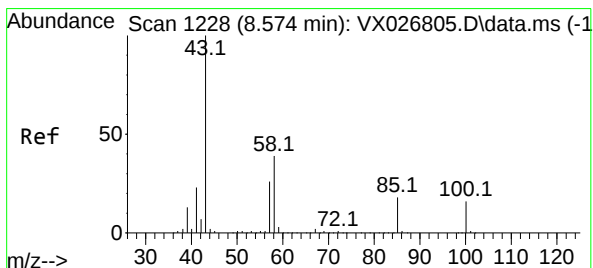
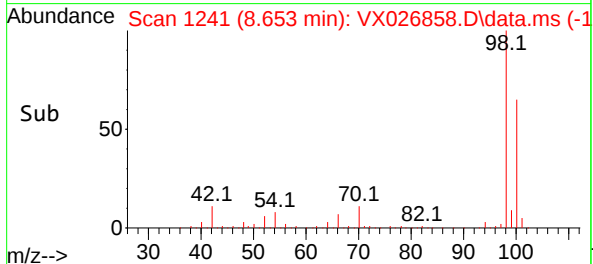
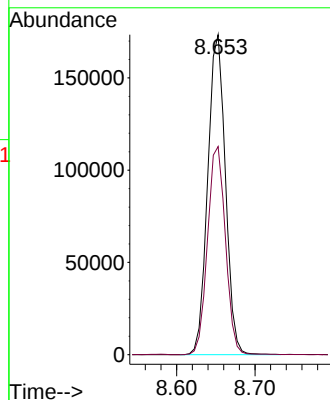
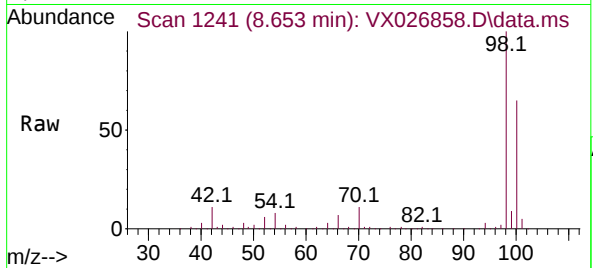




#50
Toluene-d8
Concen: 54.202 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

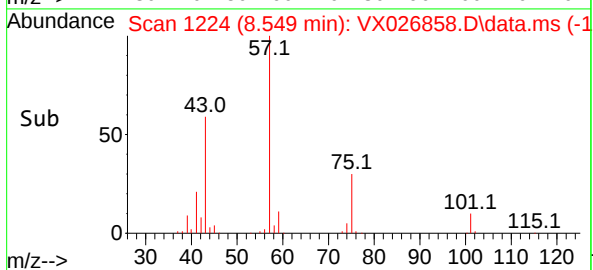
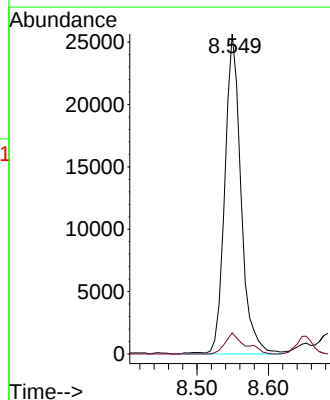
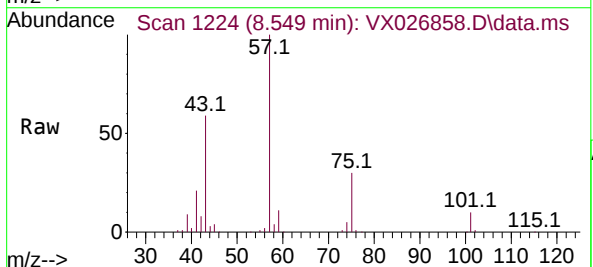
Instrument :
MSVOA_X
ClientSampleId :
SP-4

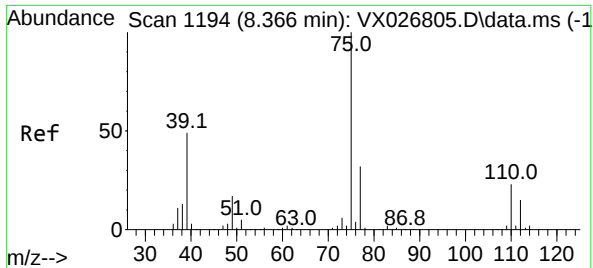
Tgt Ion: 98 Resp: 271251
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 17.731 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 43 Resp: 40409
Ion Ratio Lower Upper
43 100
58 8.0 30.5 45.7#

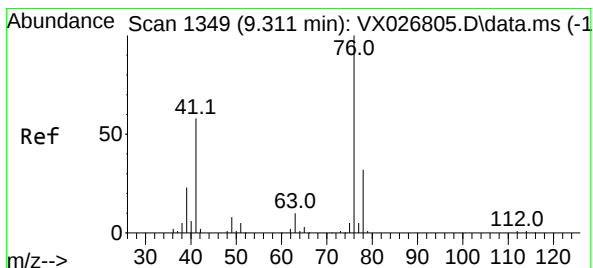
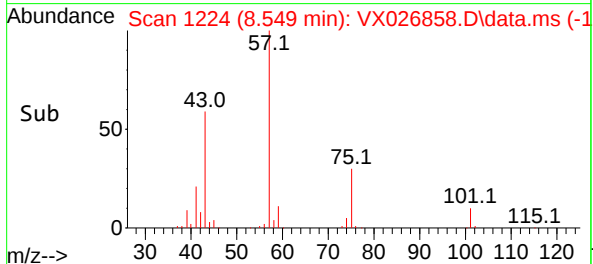
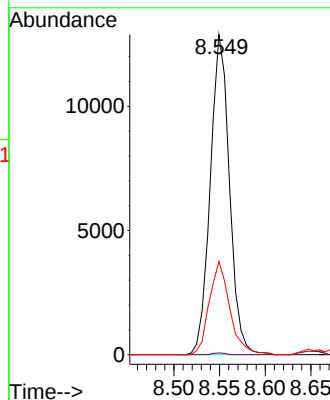
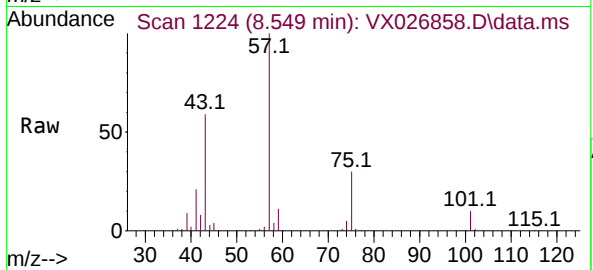




#54
 cis-1,3-Dichloropropene
 Concen: 8.096 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026858.D
 Acq: 09 Feb 2022 05:52

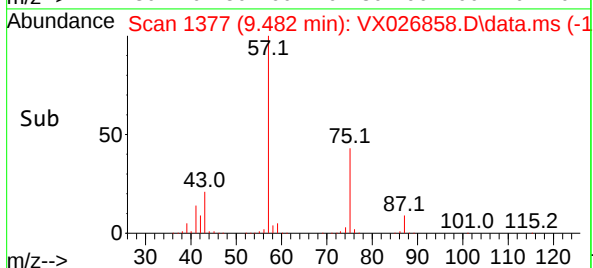
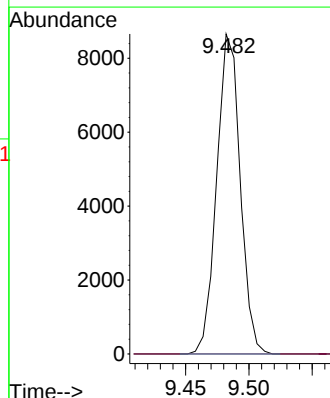
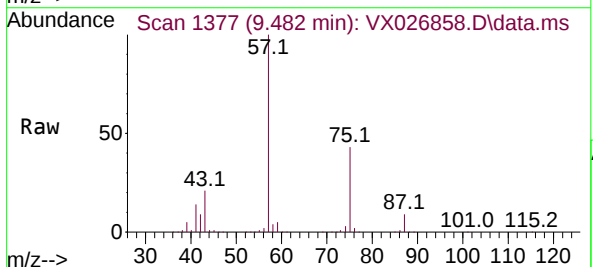
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-4

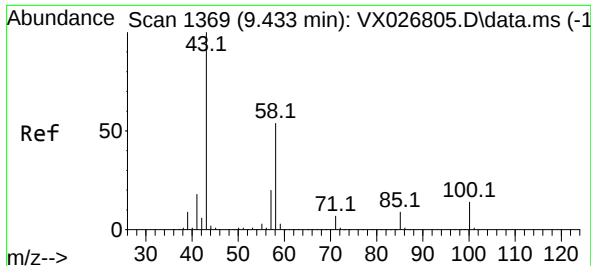
Tgt Ion: 75 Resp: 18787
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.2 39.2#
 39 29.2 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 4.325 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026858.D
 Acq: 09 Feb 2022 05:52

Tgt Ion: 76 Resp: 11158
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 3.402 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

Instrument :

MSVOA_X

ClientSampleId :

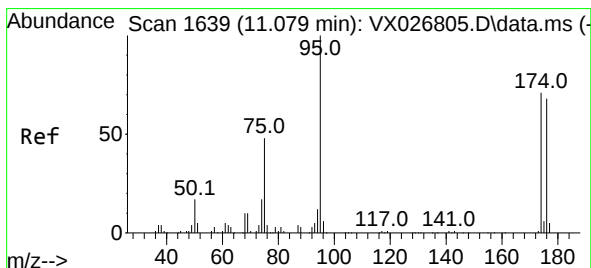
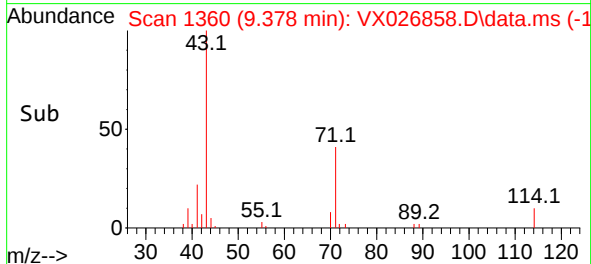
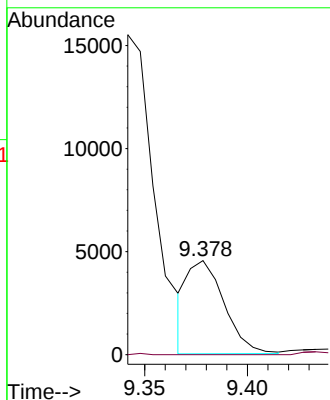
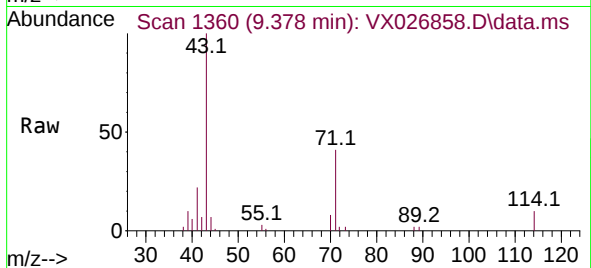
SP-4

Tgt Ion: 43 Resp: 5671

Ion Ratio Lower Upper

43 100

58 0.0 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 56.795 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026858.D

Acq: 09 Feb 2022 05:52

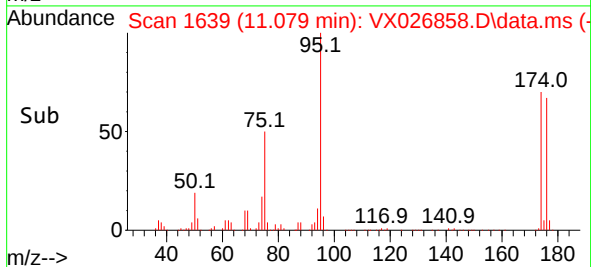
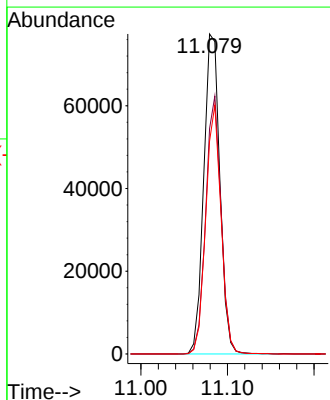
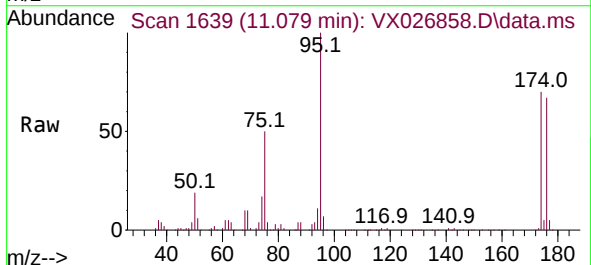
Tgt Ion: 95 Resp: 100067

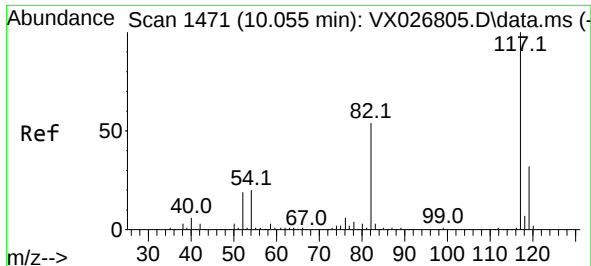
Ion Ratio Lower Upper

95 100

174 76.8 0.0 148.6

176 73.7 0.0 141.4

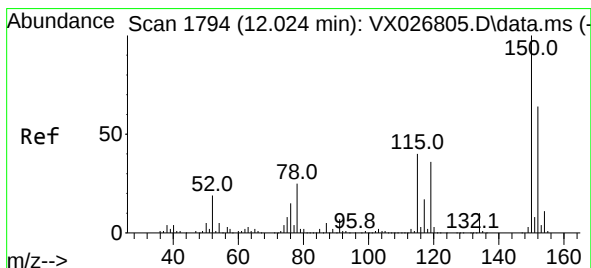
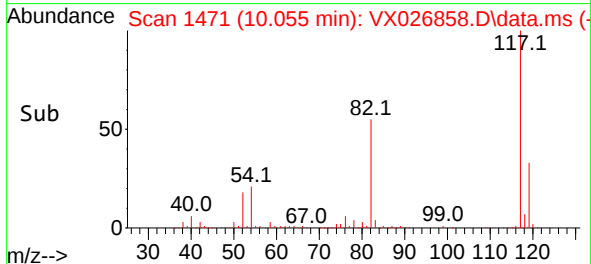
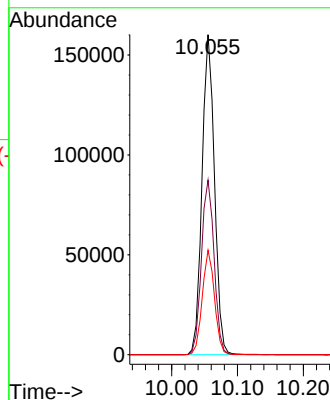
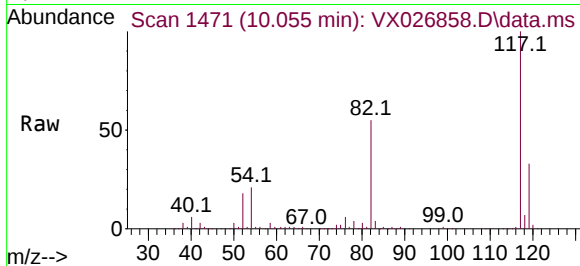




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

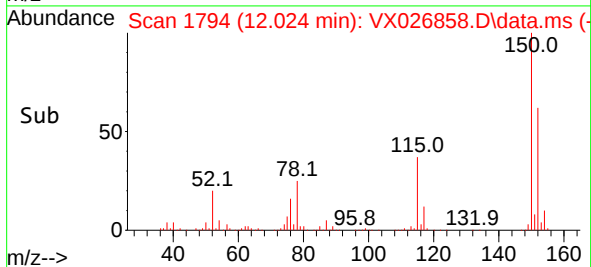
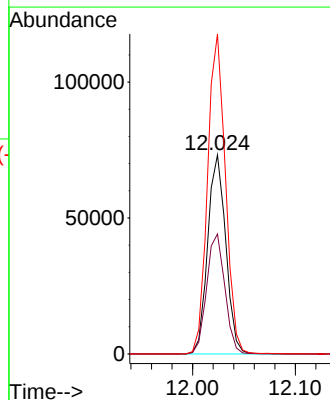
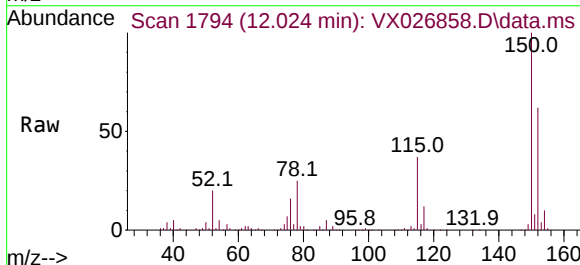
Instrument :
MSVOA_X
ClientSampleId :
SP-4

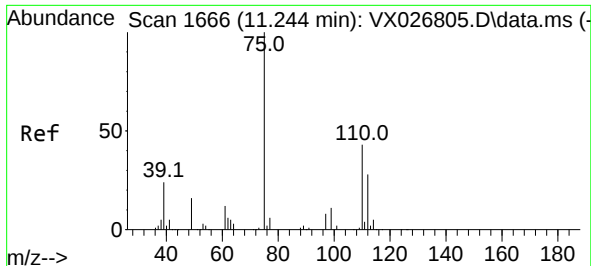
Tgt Ion:117 Resp: 210849
Ion Ratio Lower Upper
117 100
82 54.5 45.2 67.8
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion:152 Resp: 89789
Ion Ratio Lower Upper
152 100
115 60.8 44.2 132.6
150 158.9 0.0 348.2

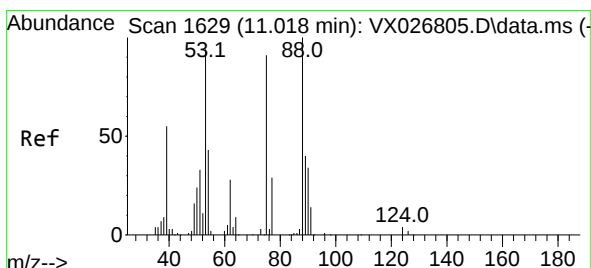
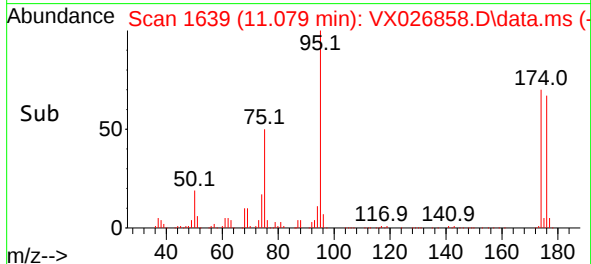
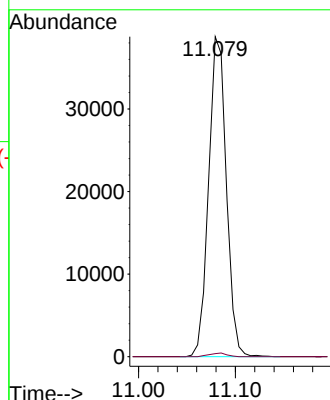
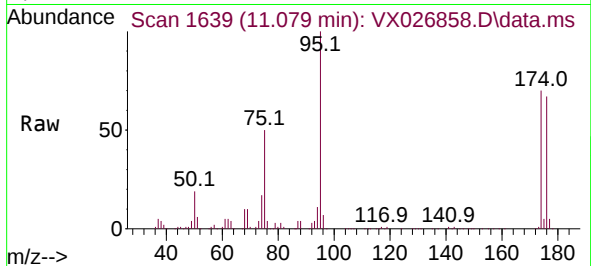




#76
1,2,3-Trichloropropane
Concen: 25.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Instrument :
MSVOA_X
ClientSampleId :
SP-4

Tgt Ion: 75 Resp: 49417
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.669 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026858.D
Acq: 09 Feb 2022 05:52

Tgt Ion: 75 Resp: 49417
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

