

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025861.D
 Acq On : 16 Dec 2021 17:29
 Operator : JC/MD
 Sample : PB141455ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:33:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

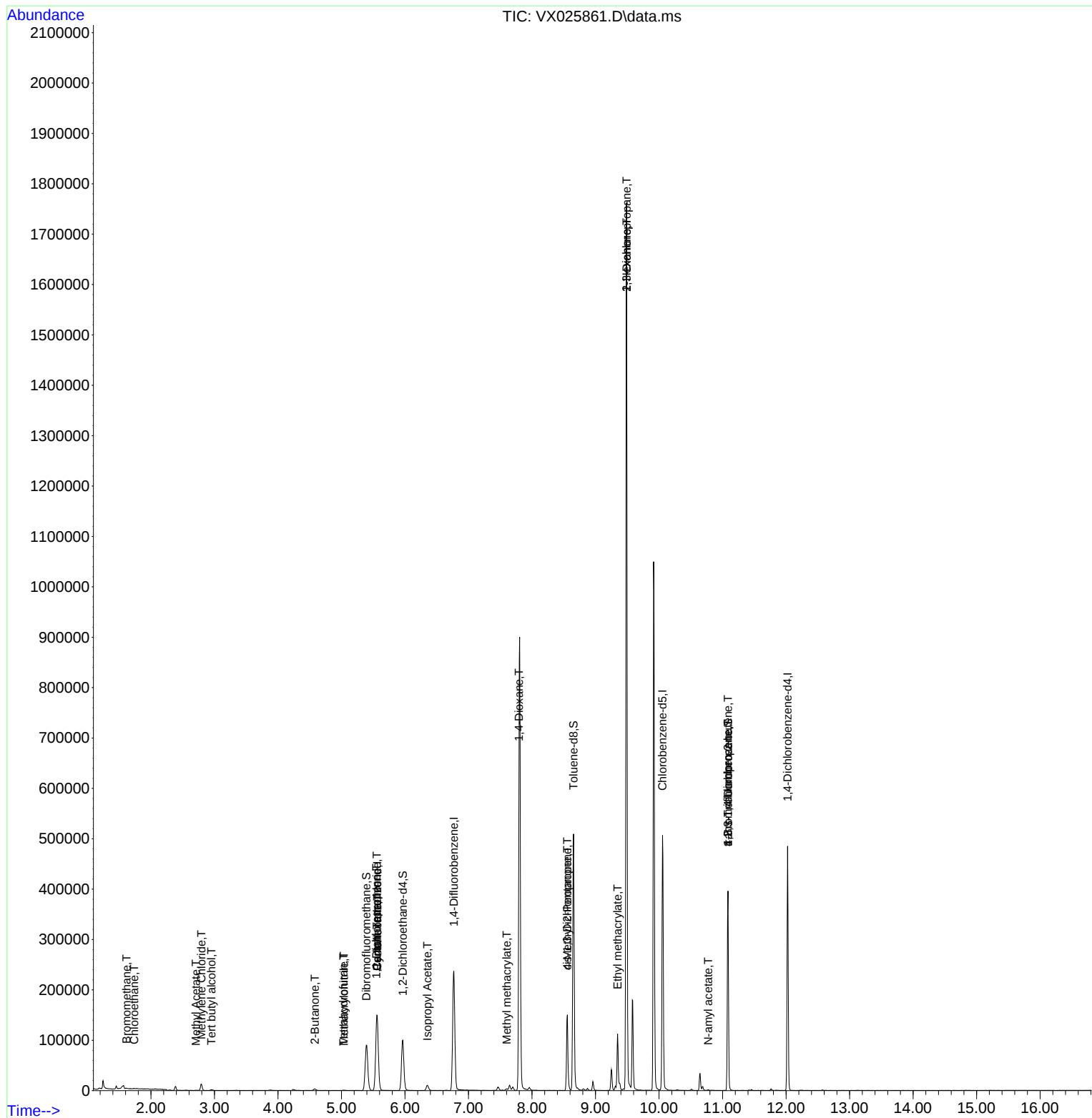
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	141190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243343	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95475	46.998	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.000%
35) Dibromofluoromethane	5.391	113	78114	46.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.060%
50) Toluene-d8	8.653	98	296970	48.027	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.060%
62) 4-Bromofluorobenzene	11.085	95	102629	43.693	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.380%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	382	0.306	ug/l	82
6) Chloroethane	1.733	64	337	0.266	ug/l #	42
11) Tert butyl alcohol	2.953	59	1420	3.485	ug/l #	73
16) Acetone	2.386	43	8039	Below Cal		96
18) Methyl Acetate	2.709	43	851	0.275	ug/l #	90
20) Methylene Chloride	2.794	84	5648	0.874	ug/l	92
25) 2-Butanone	4.580	43	4867	3.562	ug/l	98
29) Tetrahydrofuran	5.032	42	316	0.364	ug/l	92
31) Cyclohexane	5.562	56	3303	1.337	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	11567	5.026	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15096	5.637	ug/l #	16
41) Methacrylonitrile	5.038	41	449	0.317	ug/l #	42
43) Isopropyl Acetate	6.354	43	13849	3.362	ug/l	99
48) Methyl methacrylate	7.604	41	4306	2.220	ug/l #	12
49) 1,4-Dioxane	7.793	88	205	4.840	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	52392	19.428	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	23023	8.314	ug/l #	68
56) Ethyl methacrylate	9.348	69	639	0.237	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	14799	4.810	ug/l #	43
59) 2-Hexanone	9.488	43	199834	97.801	ug/l #	52
74) N-amyl acetate	10.774	43	1041	0.373	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	52299	23.895	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52299	74.081	ug/l #	10

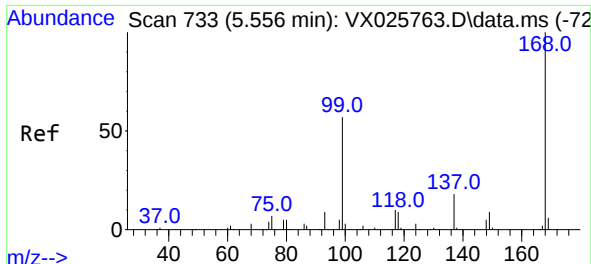
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

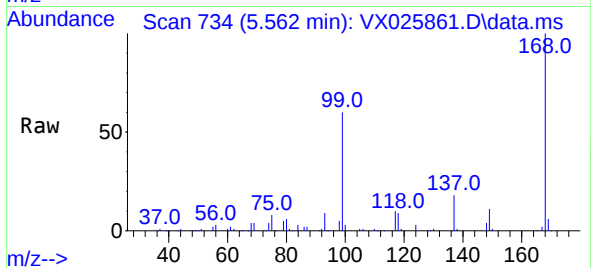
Quant Time: Dec 17 02:33:28 2021
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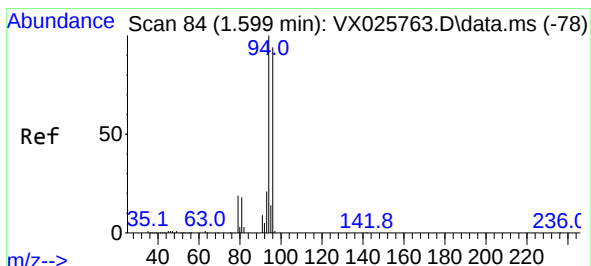
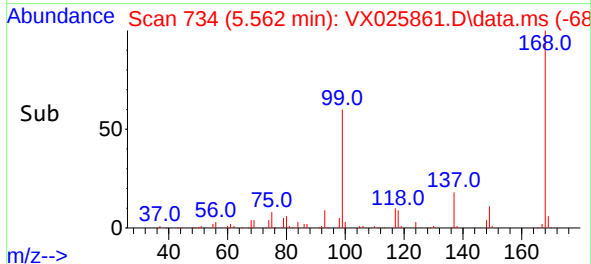
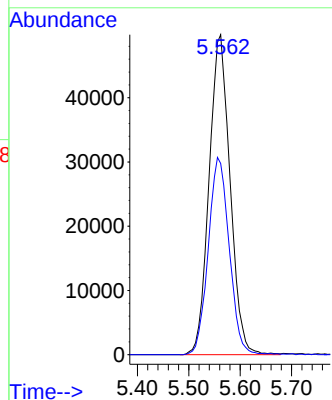


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Instrument :
MSVOA_X
ClientSampleId :

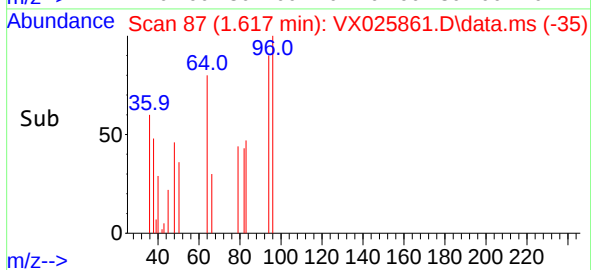
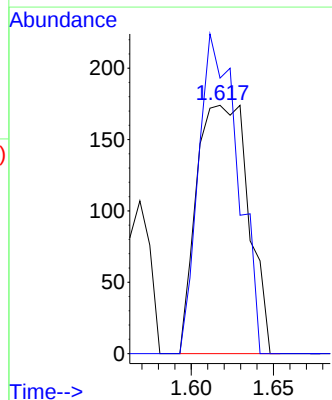
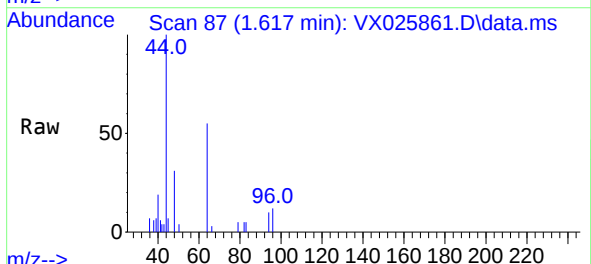


Tgt Ion:168 Resp: 141190
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.8

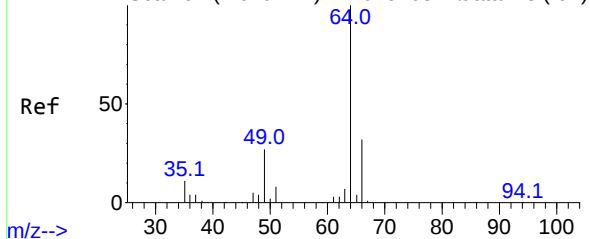


#5
Bromomethane
Concen: 0.306 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 110.9 75.0 112.4



Abundance Scan 97 (1.679 min): VX025763.D\data.ms (-91)

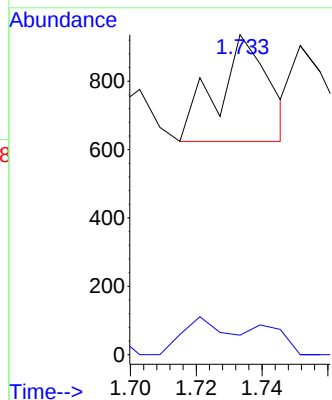
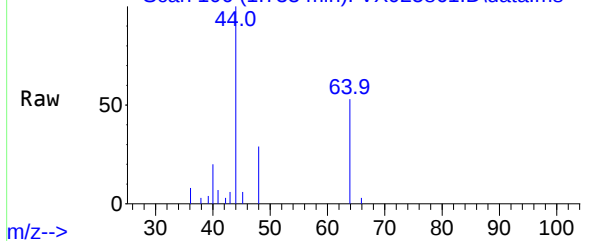


#6
Chloroethane
Concen: 0.266 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.055 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

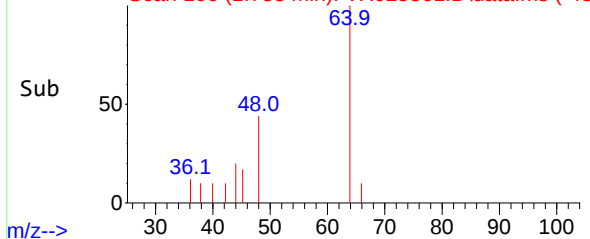
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 337
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

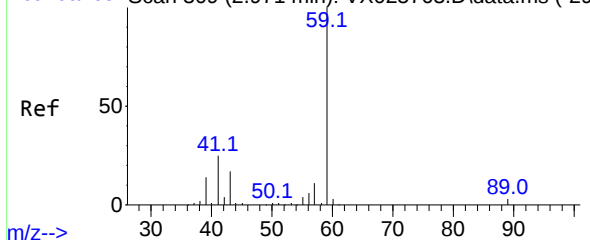
Abundance Scan 106 (1.733 min): VX025861.D\data.ms



Abundance Scan 106 (1.733 min): VX025861.D\data.ms (-48)



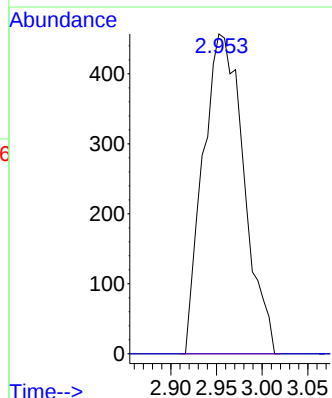
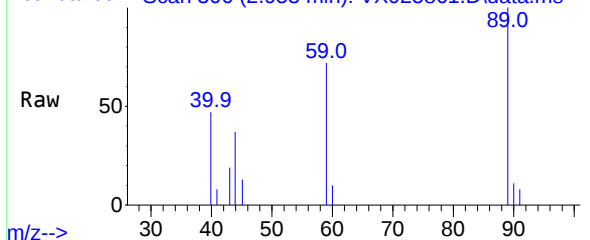
Abundance Scan 309 (2.971 min): VX025763.D\data.ms (-29)



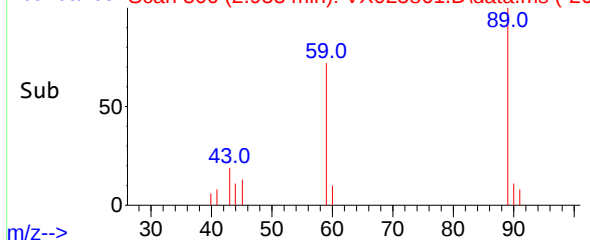
#11
Tert butyl alcohol
Concen: 3.485 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

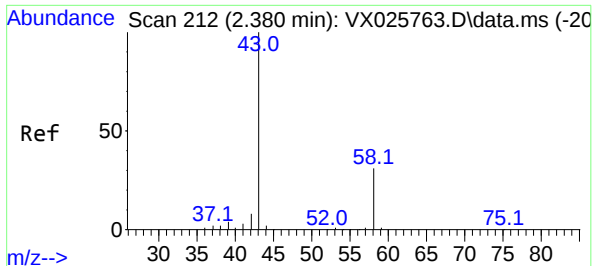
Tgt Ion: 59 Resp: 1420
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

Abundance Scan 306 (2.953 min): VX025861.D\data.ms



Abundance Scan 306 (2.953 min): VX025861.D\data.ms (-26)

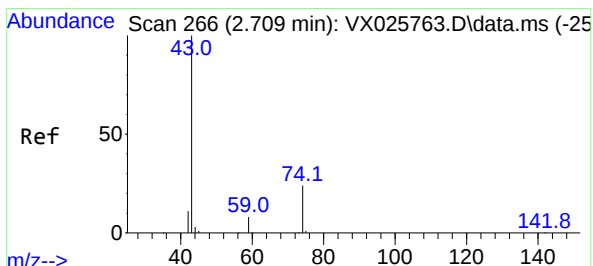
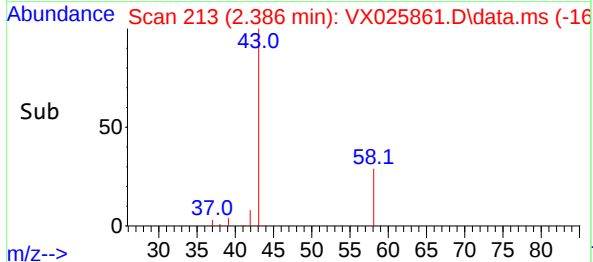
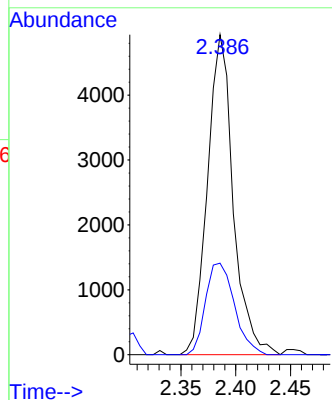
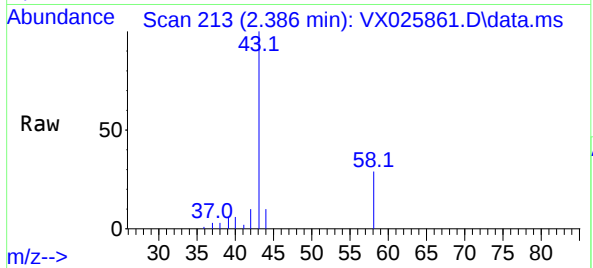




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

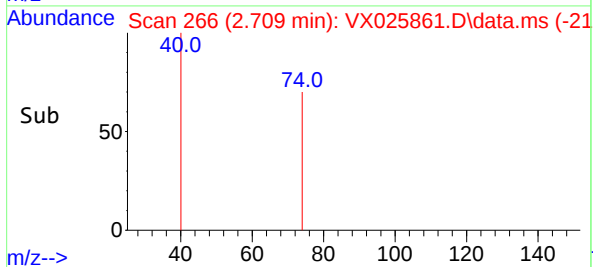
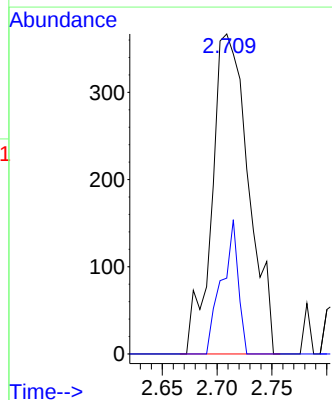
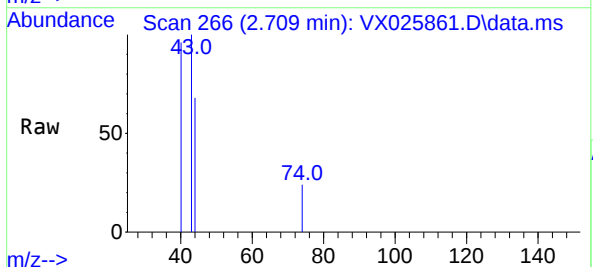
Instrument :
MSVOA_X
ClientSampleId :

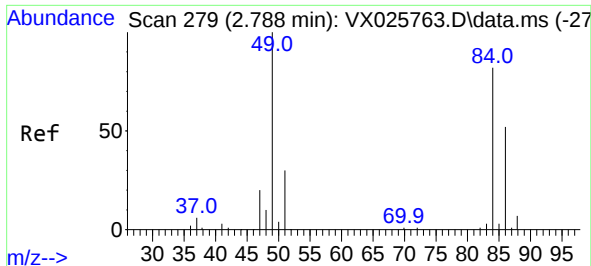
Tgt Ion: 43 Resp: 8039
Ion Ratio Lower Upper
43 100
58 28.6 24.8 37.2



#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

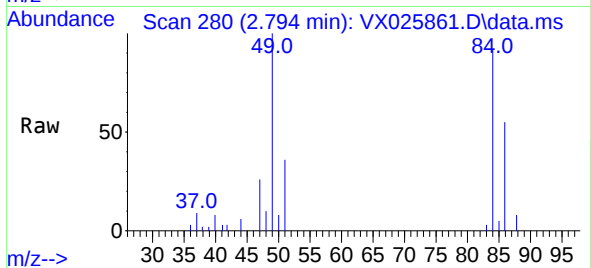
Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
74 18.8 19.1 28.7#





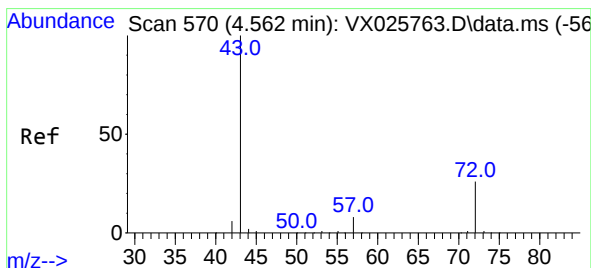
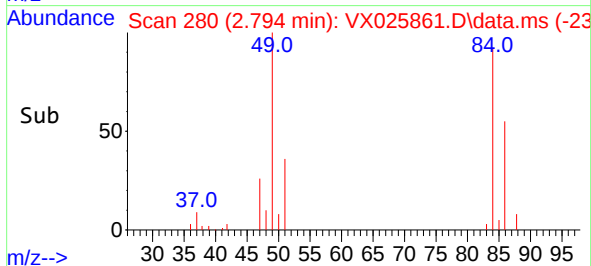
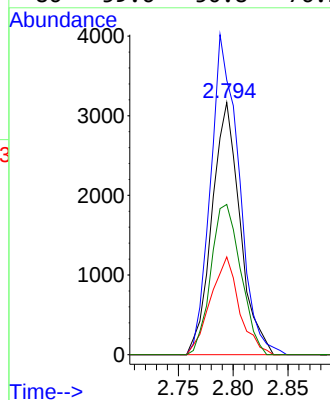
#20
Methylene Chloride
Concen: 0.874 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 5648

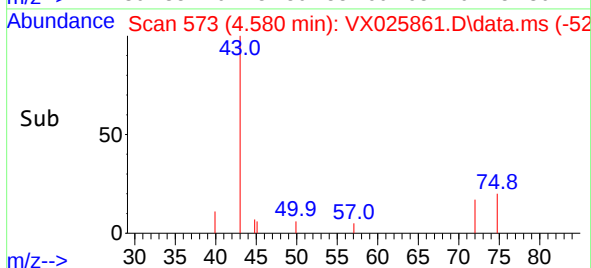
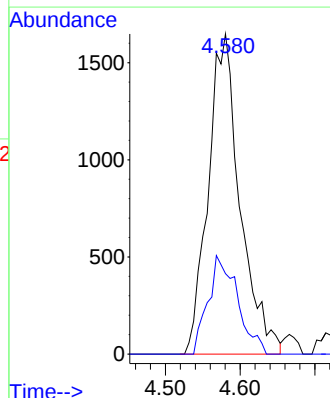
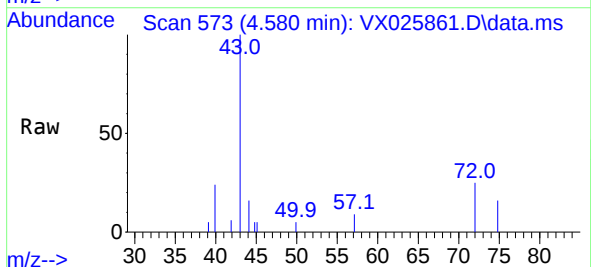
Ion	Ratio	Lower	Upper
84	100		
49	108.8	97.1	145.7
51	38.8	29.3	43.9
86	59.6	50.8	76.2

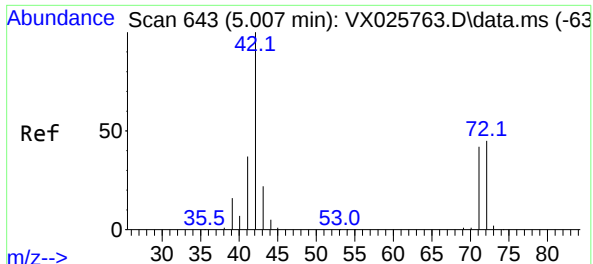


#25
2-Butanone
Concen: 3.562 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Tgt Ion: 43 Resp: 4867

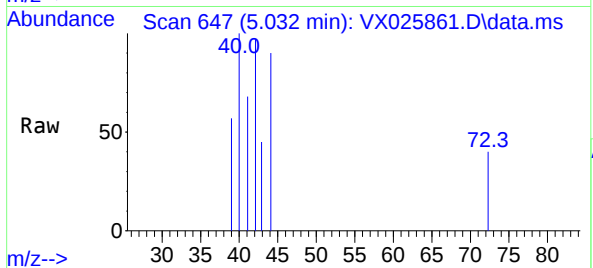
Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.0	31.4



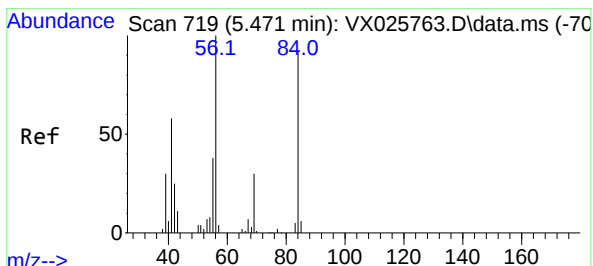
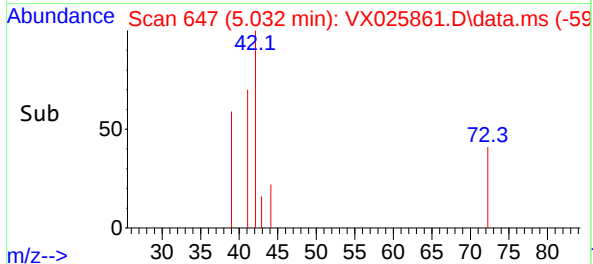
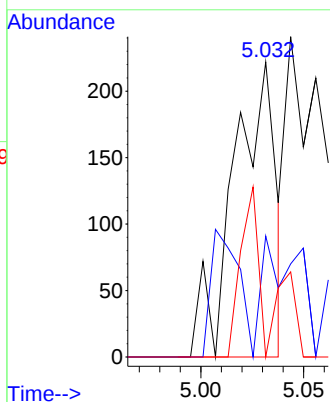


#29
Tetrahydrofuran
Concen: 0.364 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Instrument :
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ClientSampleId :

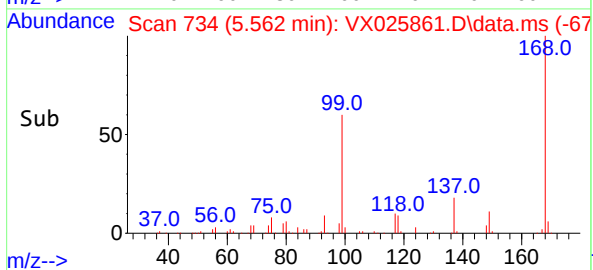
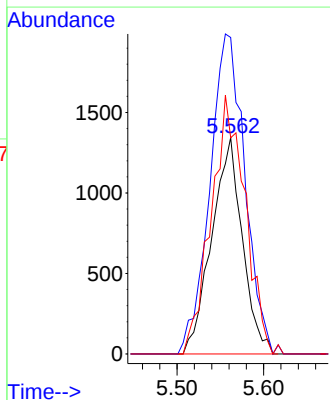
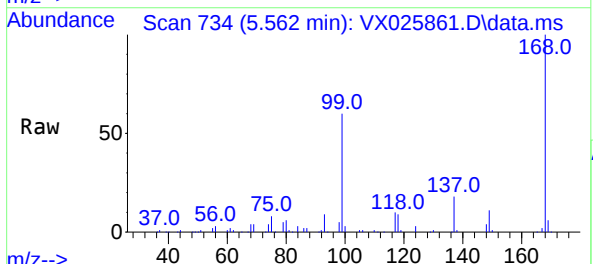


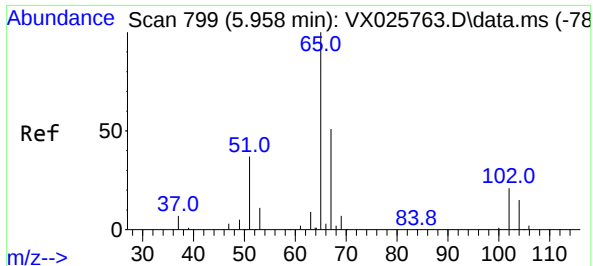
Tgt Ion:	42	Resp:	316
Ion	Ratio	Lower	Upper
42	100		
72	40.8	37.0	55.6
71	37.7	34.1	51.1



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Tgt Ion:	56	Resp:	3303
Ion	Ratio	Lower	Upper
56	100		
69	146.2	23.9	35.9#
84	99.9	73.2	109.8





#33

1,2-Dichloroethane-d4

Concen: 46.998 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Instrument :

MSVOA_X

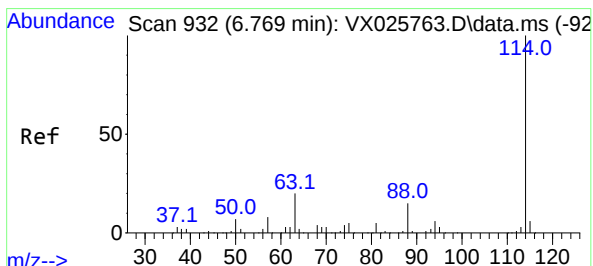
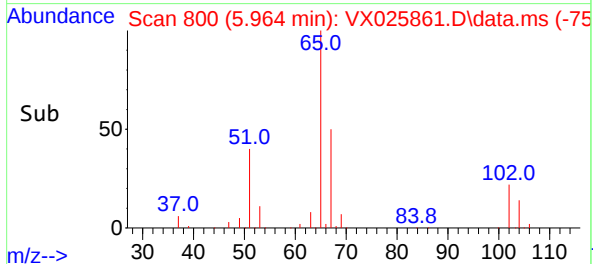
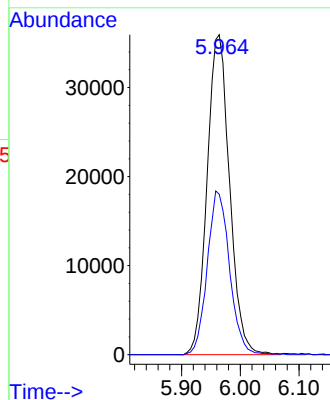
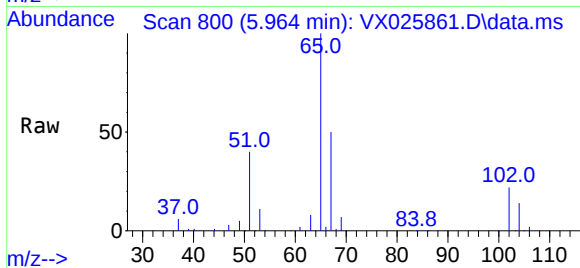
ClientSampleId :

Tgt Ion: 65 Resp: 95475

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

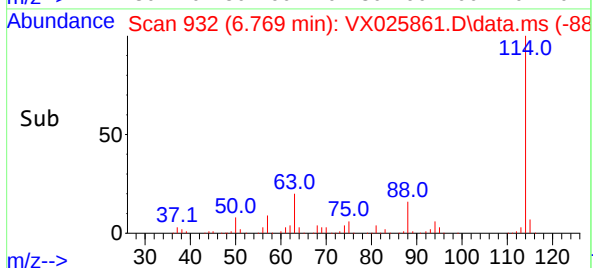
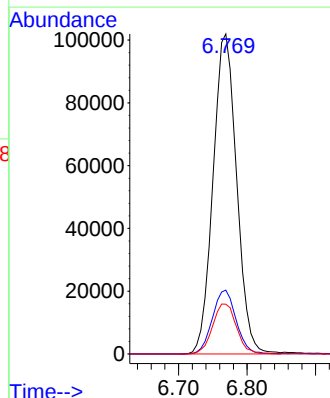
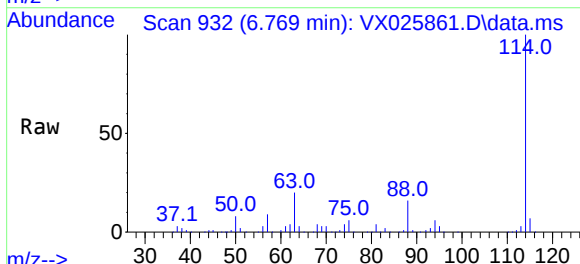
Tgt Ion: 114 Resp: 243343

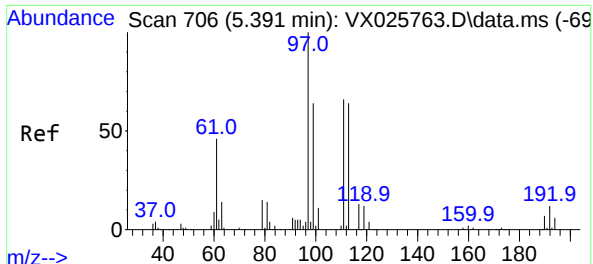
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.028 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Instrument :

MSVOA_X

ClientSampleId :

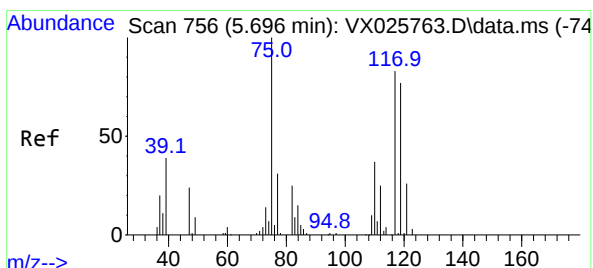
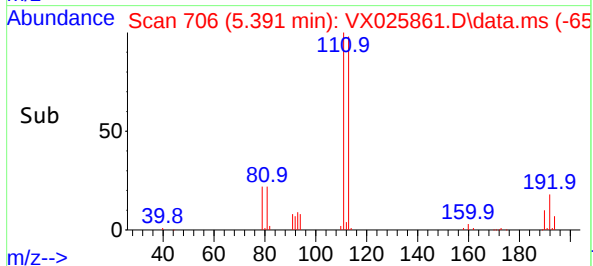
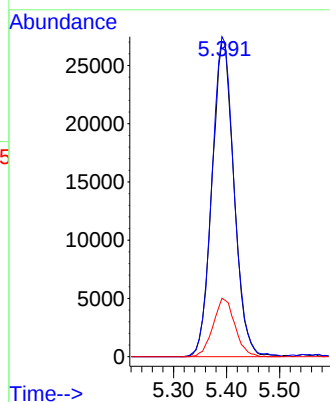
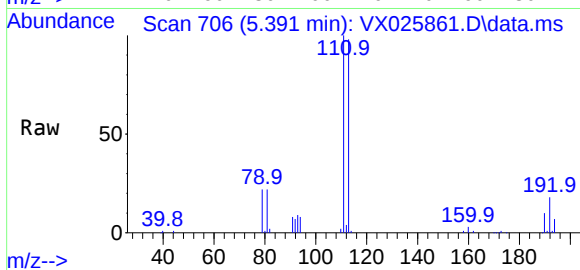
Tgt Ion:113 Resp: 78114

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 18.3 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

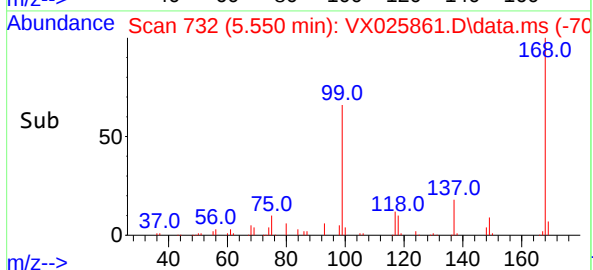
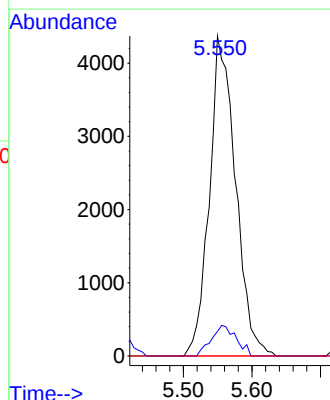
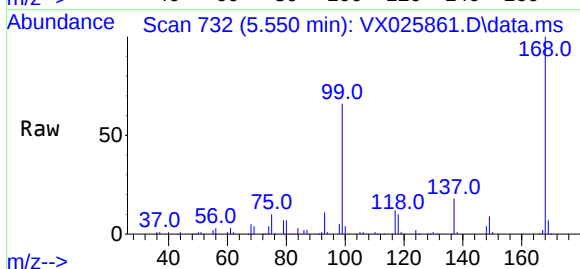
Tgt Ion: 75 Resp: 11567

Ion Ratio Lower Upper

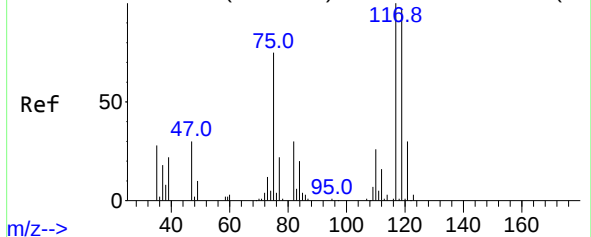
75 100

110 9.1 18.2 54.6#

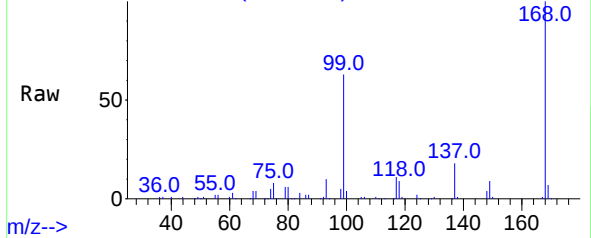
77 0.0 24.7 37.1#



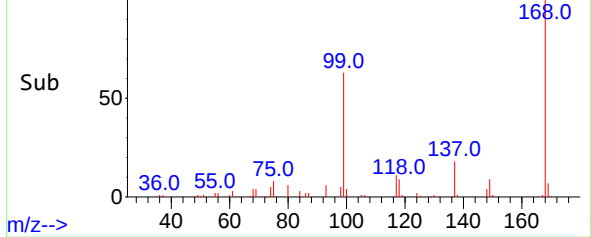
Abundance Scan 754 (5.684 min): VX025763.D\data.ms (-74



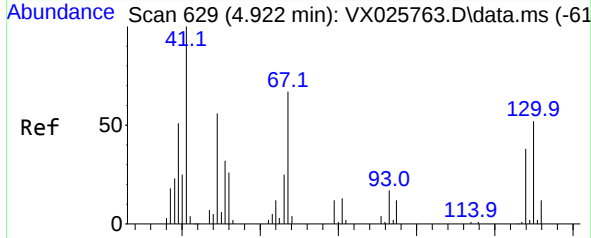
m/z--> Abundance Scan 733 (5.556 min): VX025861.D\data.ms



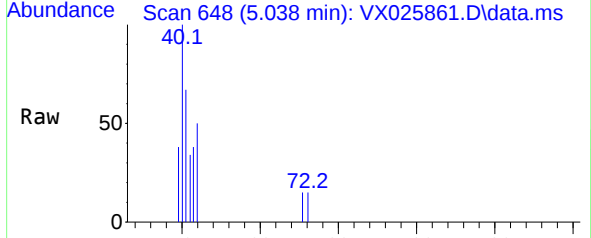
m/z--> Abundance Scan 733 (5.556 min): VX025861.D\data.ms (-70



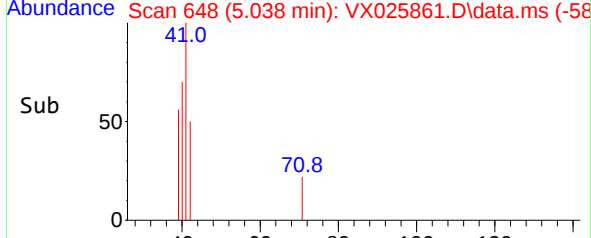
m/z--> Abundance Scan 629 (4.922 min): VX025763.D\data.ms (-61



m/z--> Abundance Scan 648 (5.038 min): VX025861.D\data.ms



m/z--> Abundance Scan 648 (5.038 min): VX025861.D\data.ms (-58



m/z--> Abundance

#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:117 Resp: 15096

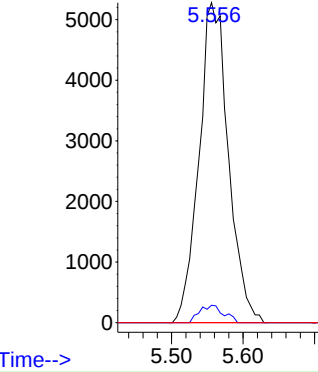
Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

121 0.0 23.8 35.8#

Abundance



#41

Methacrylonitrile

Concen: 0.317 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.116 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Tgt Ion: 41 Resp: 449

Ion Ratio Lower Upper

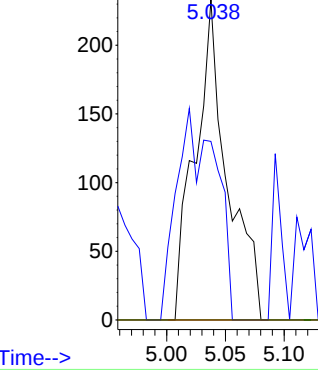
41 100

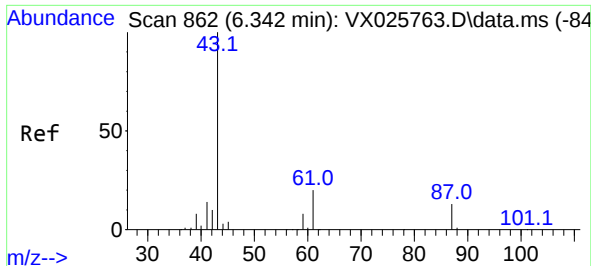
39 42.1 44.2 66.2#

67 0.0 59.7 89.5#

52 0.0 24.2 36.2#

Abundance

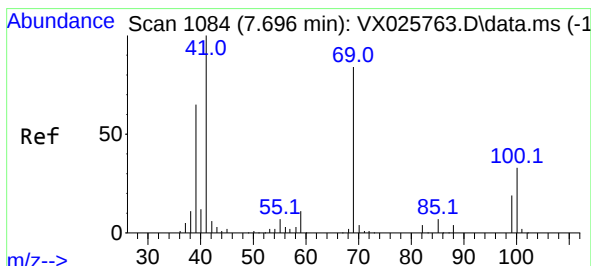
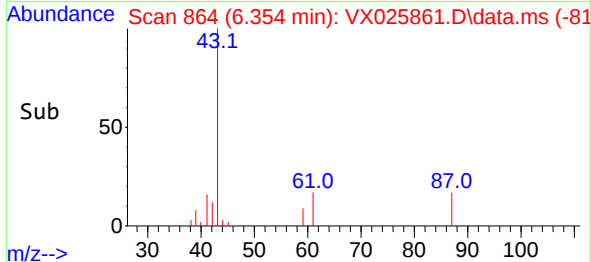
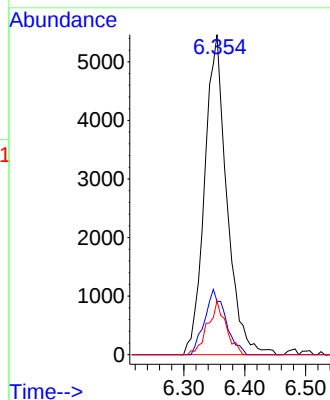
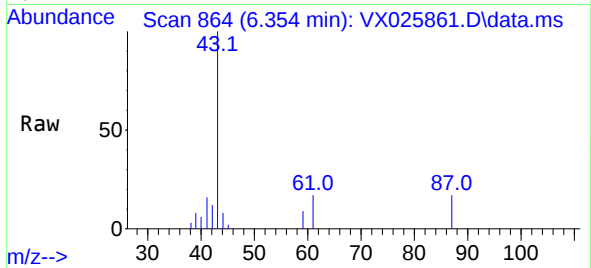




#43
Isopropyl Acetate
Concen: 3.362 ug/l
RT: 6.354 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

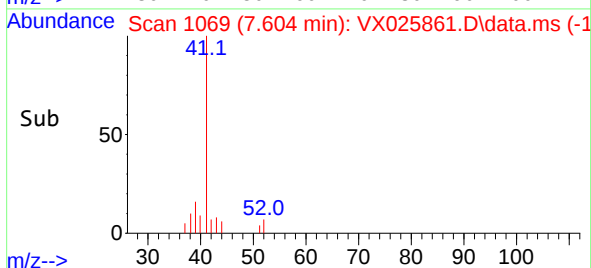
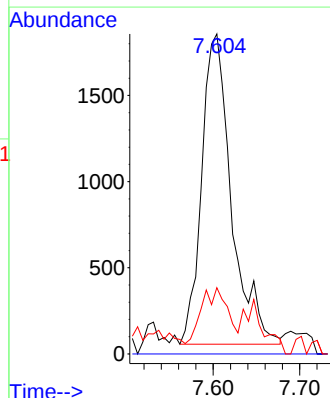
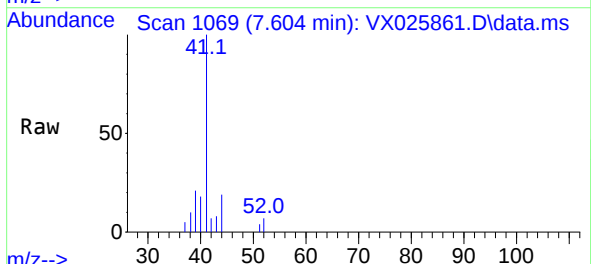
Instrument :
MSVOA_X
ClientSampleId :

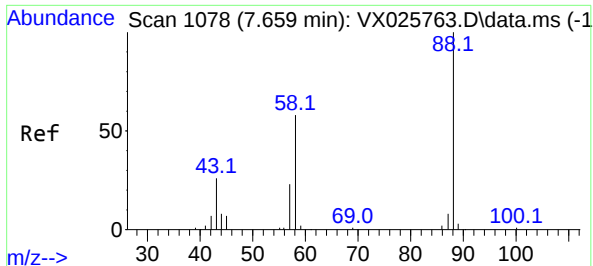
Tgt Ion: 43 Resp: 13849
Ion Ratio Lower Upper
43 100
61 19.2 15.7 23.5
87 13.9 11.2 16.8



#48
Methyl methacrylate
Concen: 2.220 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Tgt Ion: 41 Resp: 4306
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 4.840 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Instrument :

MSVOA_X

ClientSampleId :

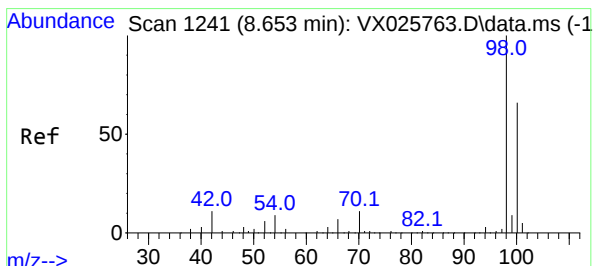
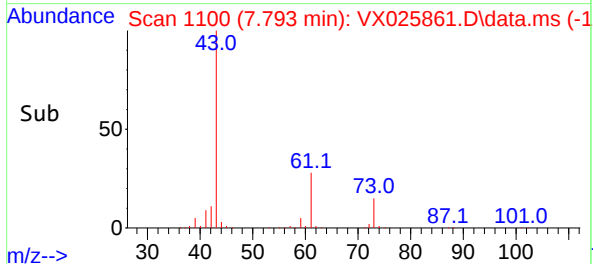
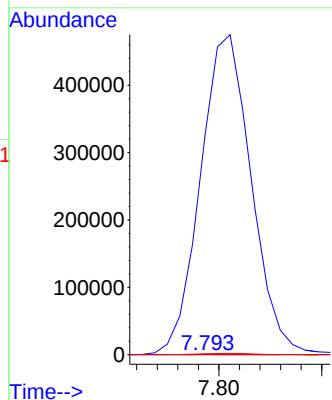
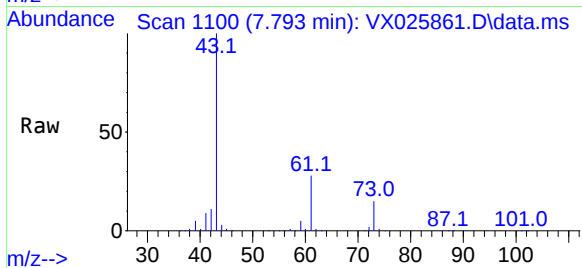
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 402683.9 25.3 37.9#

58 1794.6 51.8 77.6#



#50

Toluene-d8

Concen: 48.027 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025861.D

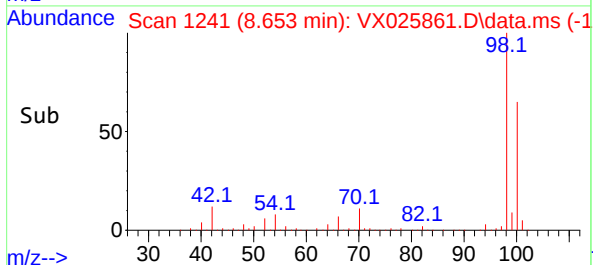
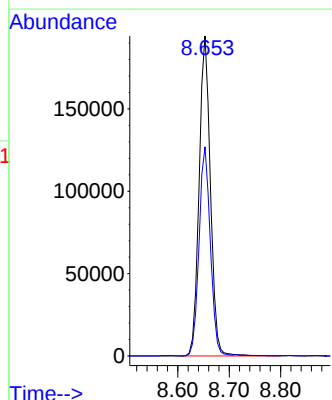
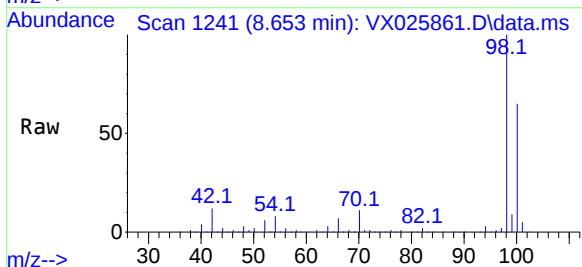
Acq: 16 Dec 2021 17:29

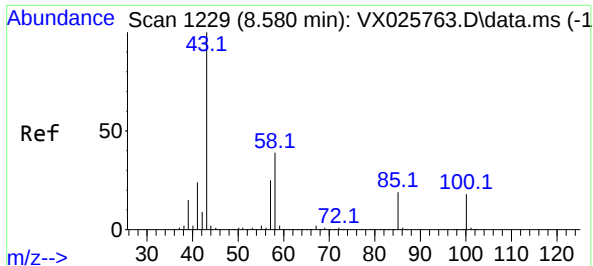
Tgt Ion: 98 Resp: 296970

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 19.428 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Instrument :

MSVOA_X

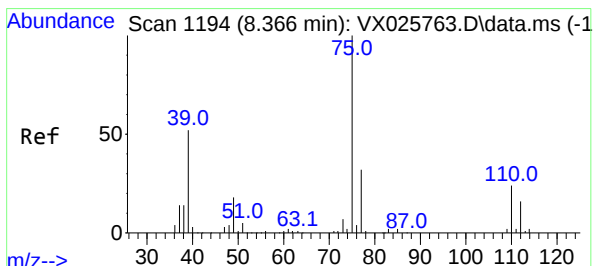
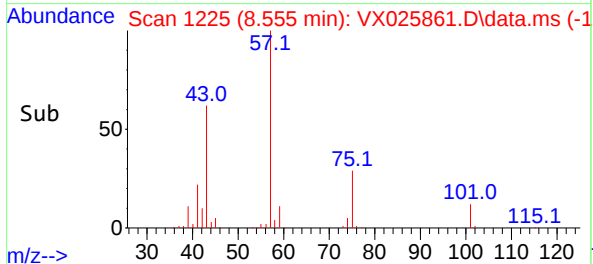
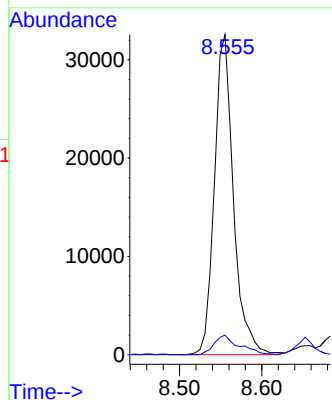
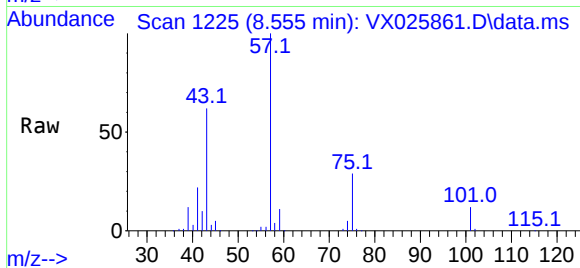
ClientSampleId :

Tgt Ion: 43 Resp: 52392

Ion Ratio Lower Upper

43 100

58 8.0 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 8.314 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.189 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

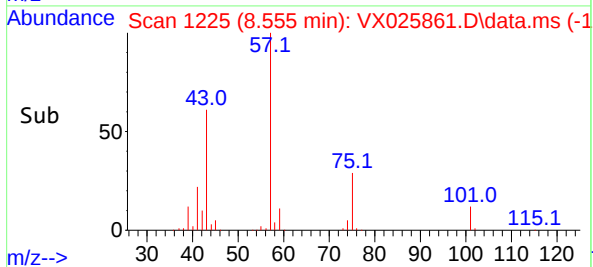
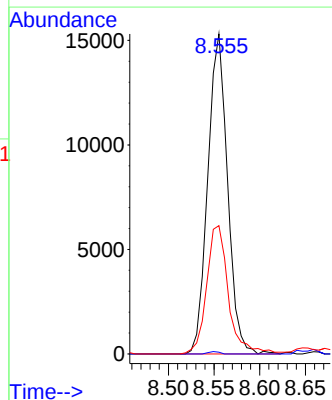
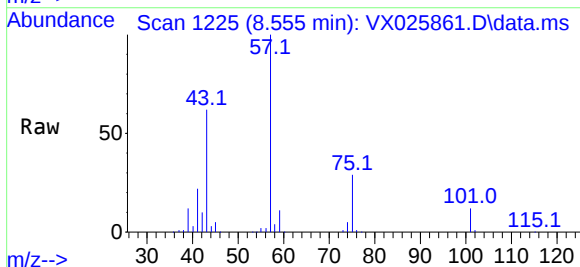
Tgt Ion: 75 Resp: 23023

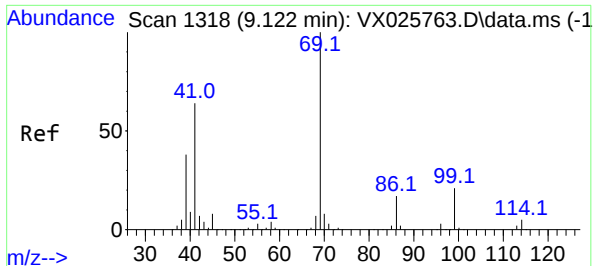
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 40.1 41.4 62.0#





#56

Ethyl methacrylate

Concen: 0.237 ug/l

RT: 9.348 min Scan# 11

Delta R.T. 0.225 min

Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

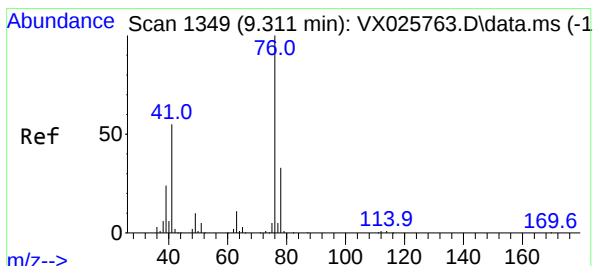
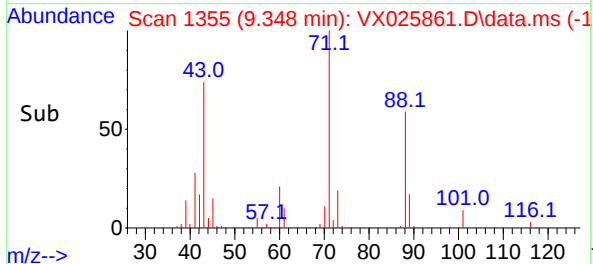
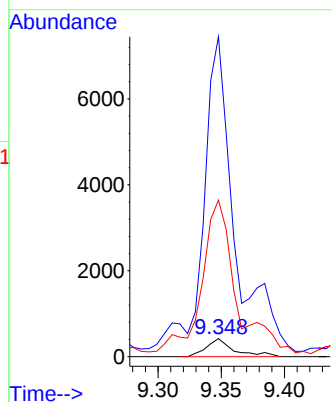
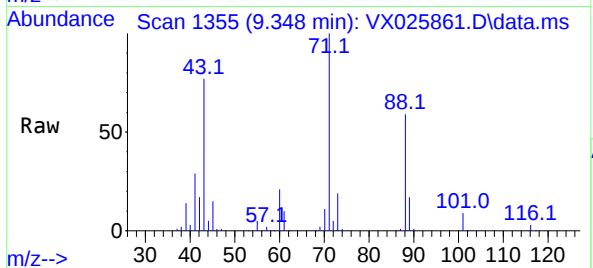
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 639

Ion	Ratio	Lower	Upper
69	100		
41	1666.0	52.8	79.2#
39	900.8	32.5	48.7#



#57

1,3-Dichloropropane

Concen: 4.810 ug/l

RT: 9.488 min Scan# 1378

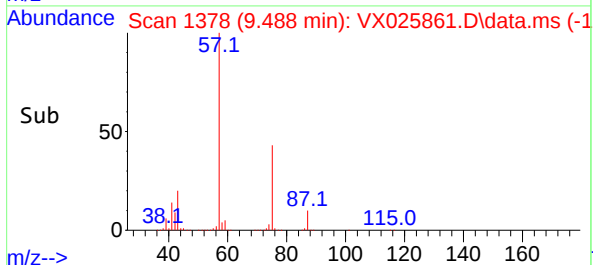
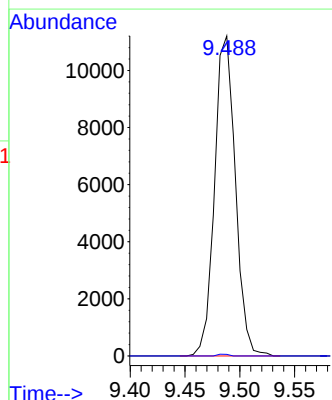
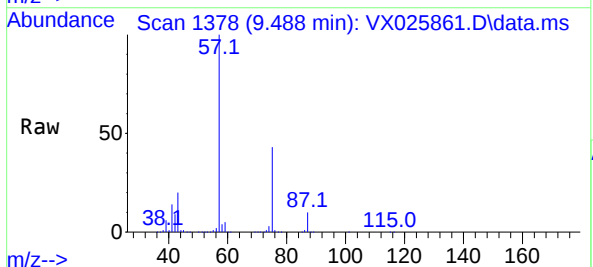
Delta R.T. 0.177 min

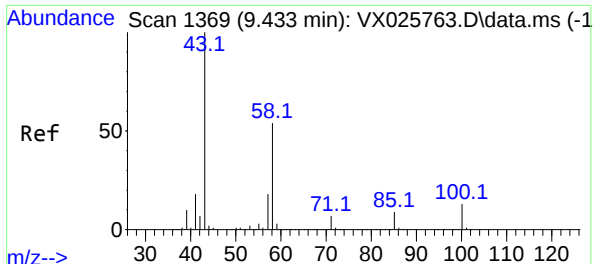
Lab File: VX025861.D

Acq: 16 Dec 2021 17:29

Tgt Ion: 76 Resp: 14799

Ion	Ratio	Lower	Upper
76	100		
78	0.3	26.0	39.0#

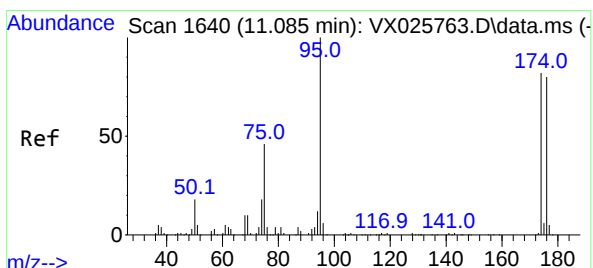
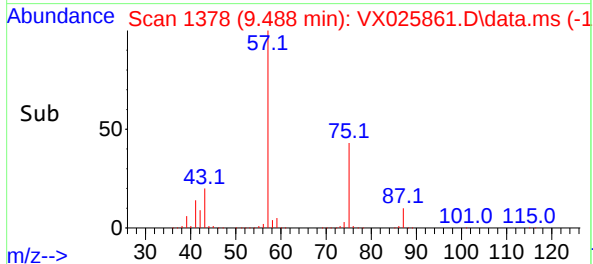
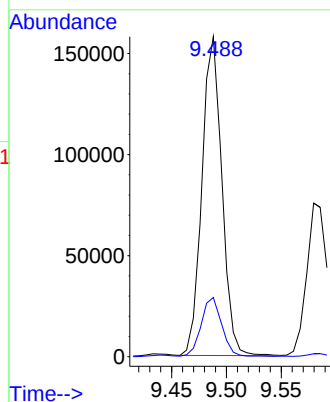
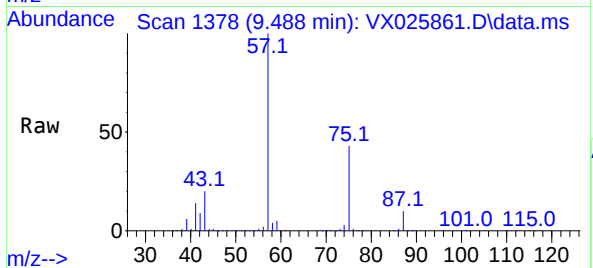




#59
2-Hexanone
Concen: 97.801 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

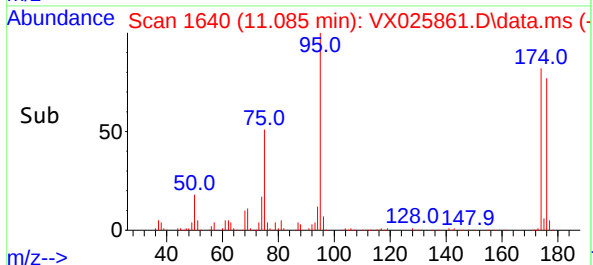
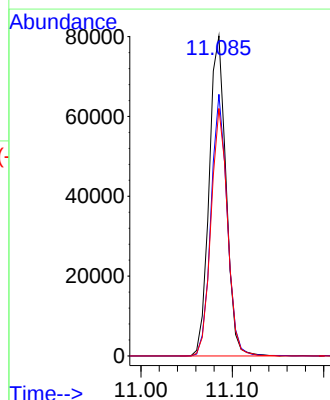
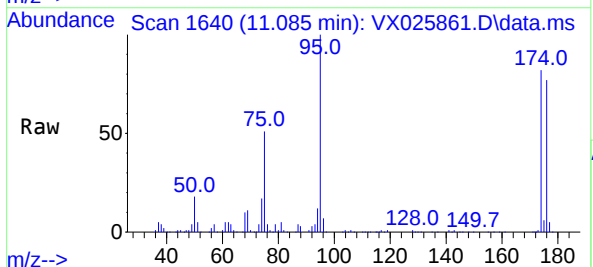
Instrument :
MSVOA_X
ClientSampleId :

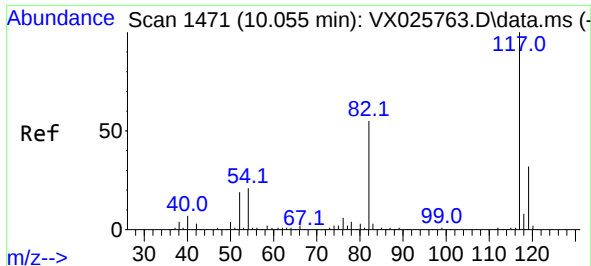
Tgt Ion: 43 Resp: 199834
Ion Ratio Lower Upper
43 100
58 19.3 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 43.693 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Tgt Ion: 95 Resp: 102629
Ion Ratio Lower Upper
95 100
174 78.5 0.0 157.4
176 75.5 0.0 154.6

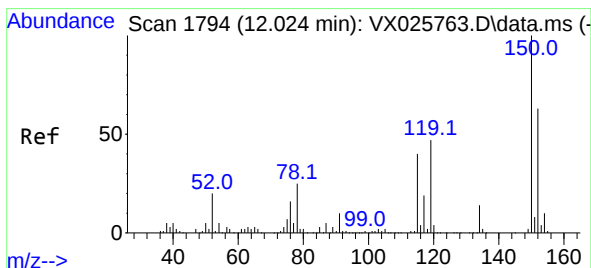
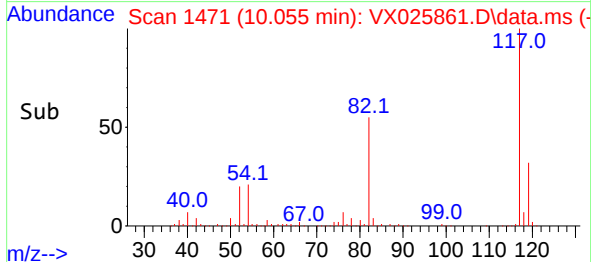
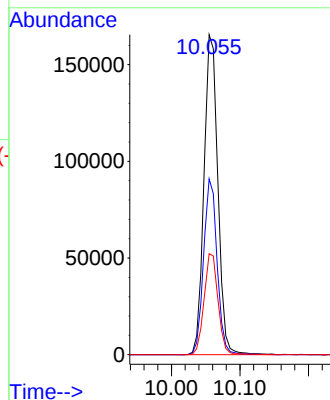
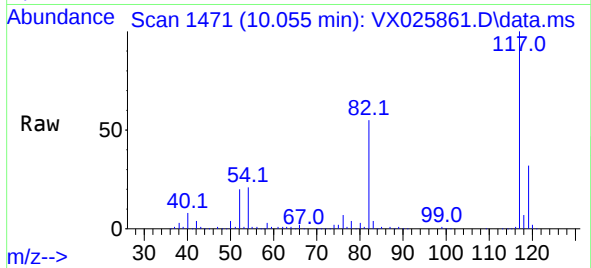




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

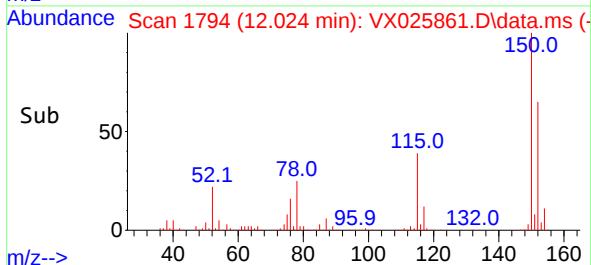
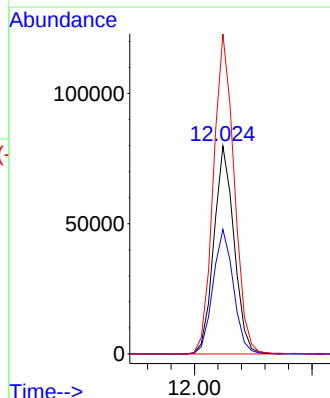
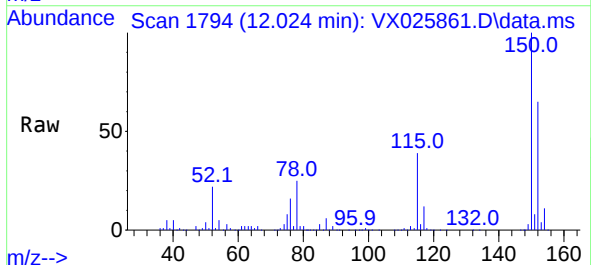
Instrument :
MSVOA_X
ClientSampleId :

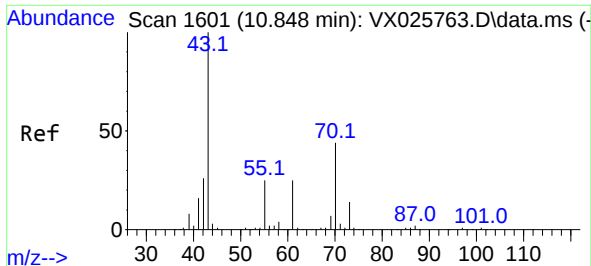
Tgt Ion:117 Resp: 233471
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.6
119 31.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

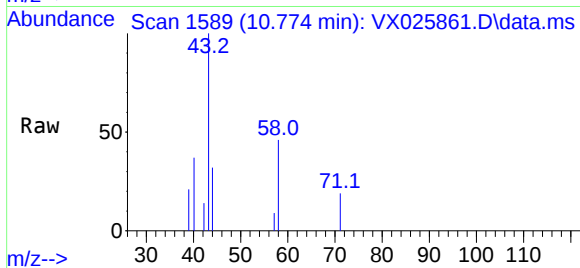
Tgt Ion:152 Resp: 95527
Ion Ratio Lower Upper
152 100
115 60.7 41.3 123.9
150 158.2 0.0 351.8



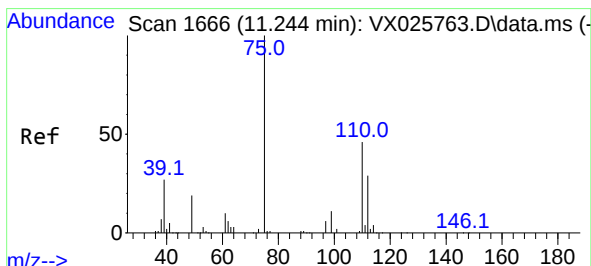
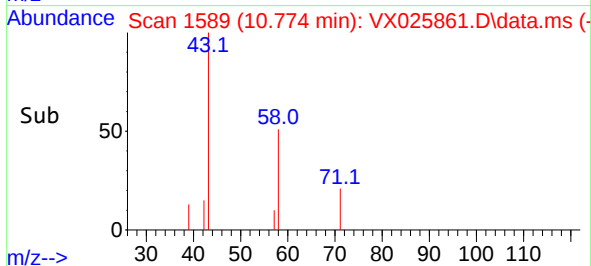
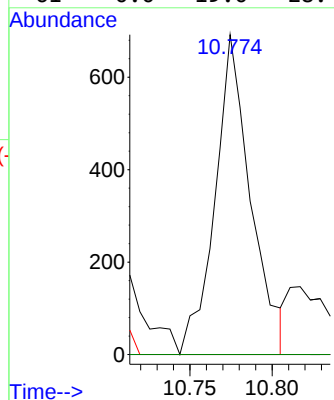


#74
N-amy1 acetate
Concen: 0.373 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

Instrument :
MSVOA_X
ClientSampleId :

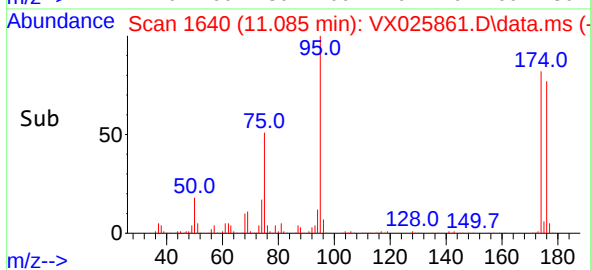
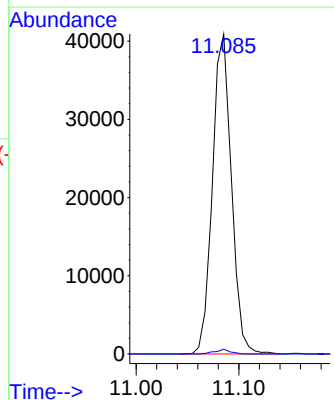
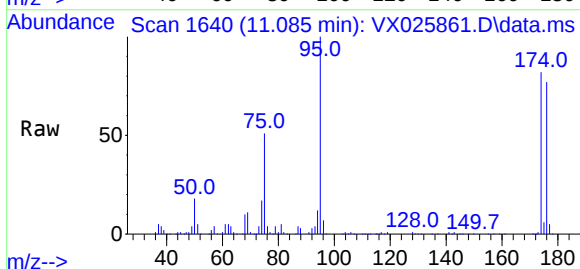


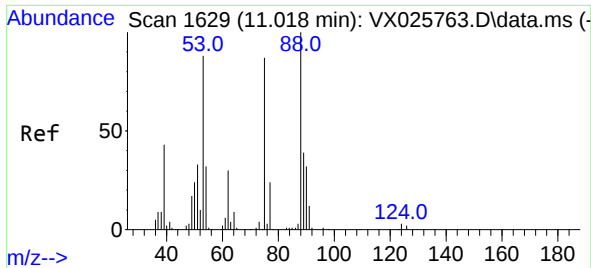
Tgt Ion: 43	Resp: 1041
Ion Ratio	Lower Upper
43 100	
70 0.0	34.1 51.1#
55 0.0	19.2 28.8#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 23.895 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025861.D
Acq: 16 Dec 2021 17:29

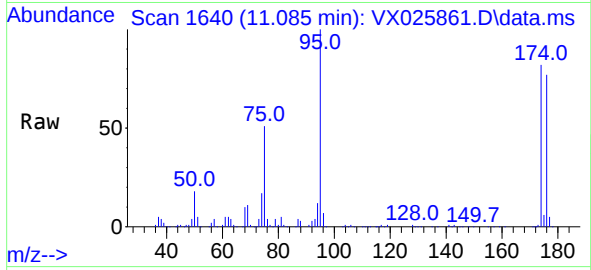
Tgt Ion: 75	Resp: 52299
Ion Ratio	Lower Upper
75 100	
77 1.2	19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.081 ug/l
 RT: 11.085 min Scan# 10
 Delta R.T. 0.067 min
 Lab File: VX025861.D
 Acq: 16 Dec 2021 17:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	52299
Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.5	119.3#
89	0.0	38.3	57.5#

