

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090321\
 Data File : VX024109.D
 Acq On : 03 Sep 2021 17:50
 Operator : JC/MD
 Sample : M3646-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 04 01:31:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

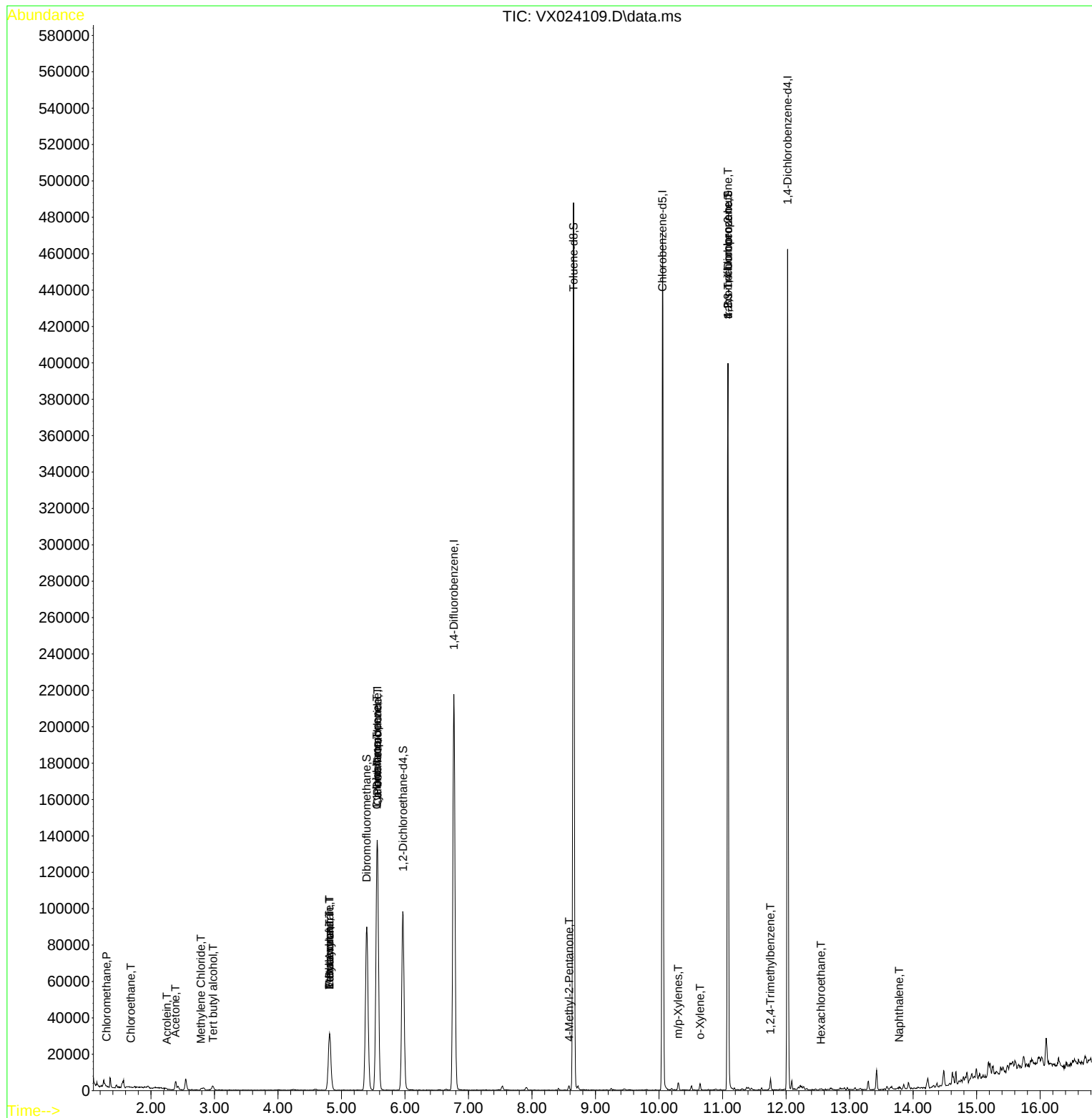
Internal Standards						
1) Pentafluorobenzene	5.562	168	128680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	98940	55.090	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.180%	
35) Dibromofluoromethane	5.397	113	76150	53.170	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.340%	
50) Toluene-d8	8.653	98	273683	50.208	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	11.085	95	99359	49.514	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	406	0.272	ug/l #	42
6) Chloroethane	1.685	64	108	2.303	ug/l #	43
11) Tert butyl alcohol	2.977	59	2673	7.360	ug/l	97
13) Acrolein	2.252	56	46	0.213	ug/l #	1
16) Acetone	2.386	43	5173	6.442	ug/l #	85
20) Methylene Chloride	2.788	84	477	0.311	ug/l #	80
25) 2-Butanone	4.812	43	29647	24.375	ug/l #	45
29) Tetrahydrofuran	4.812	42	5135	6.518	ug/l #	27
31) Cyclohexane	5.556	56	2908	1.260	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	9790	4.885	ug/l #	50
37) Ethyl Acetate	4.812	43	31516	12.795	ug/l #	64
38) Carbon Tetrachloride	5.568	117	13251	6.341	ug/l #	16
41) Methacrylonitrile	4.812	41	19399	14.528	ug/l #	44
51) 4-Methyl-2-Pentanone	8.586	43	1477	0.593	ug/l #	82
68) m/p-Xylenes	10.299	106	1091	0.381	ug/l	94
69) o-Xylene	10.646	106	859	0.306	ug/l	87
76) 1,2,3-Trichloropropane	11.085	75	55429	26.269	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55429	77.272	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	2708	0.479	ug/l	91
90) Hexachloroethane	12.549	117	19	1.485	ug/l #	9
95) Naphthalene	13.780	128	942	1.421	ug/l #	88

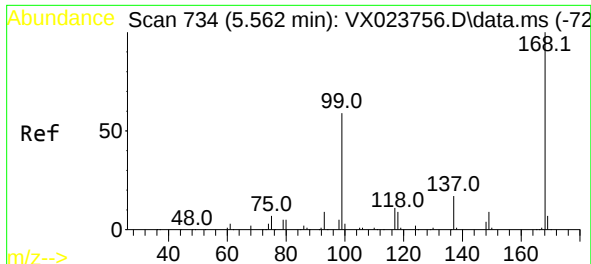
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

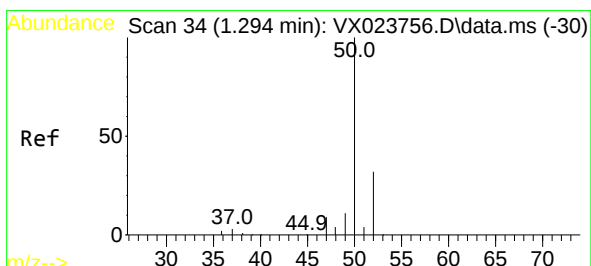
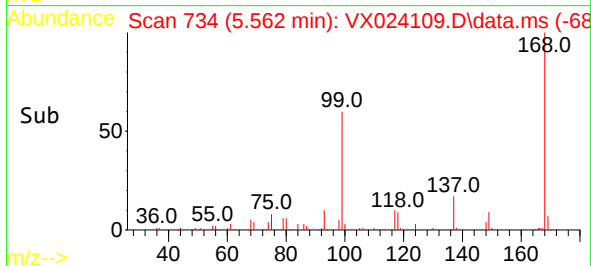
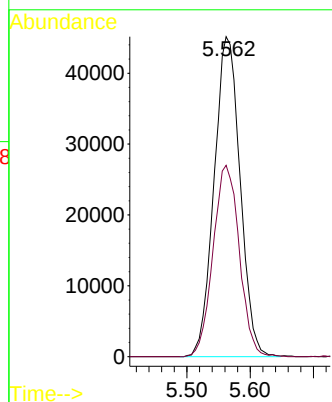
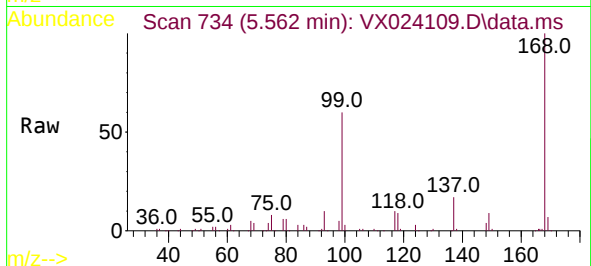




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

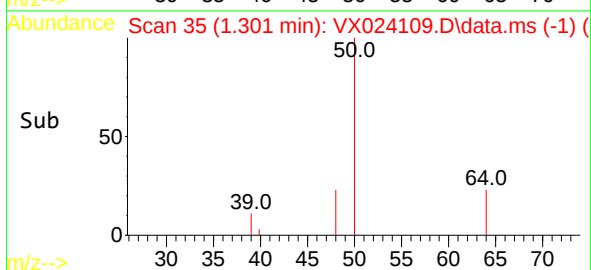
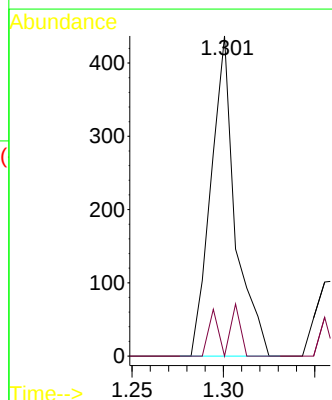
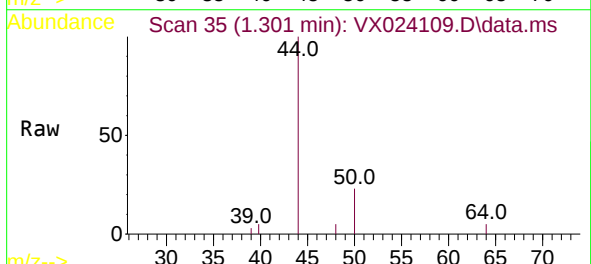
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:168 Resp: 128680
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6

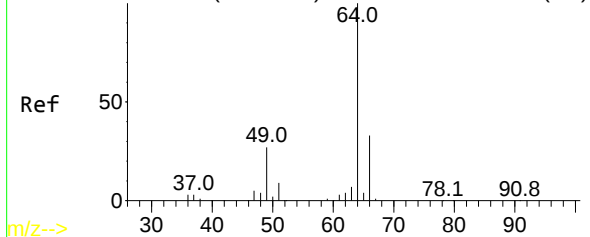


#3
Chloromethane
Concen: 0.272 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion: 50 Resp: 406
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



Abundance Scan 97 (1.679 min): VX023756.D\data.ms (-90)

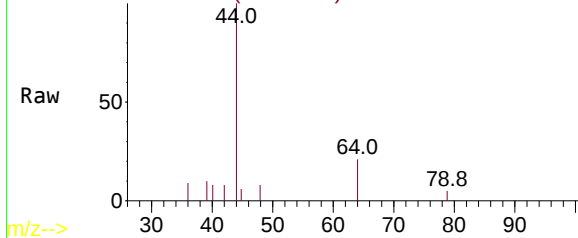


#6
Chloroethane
Concen: 2.303 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

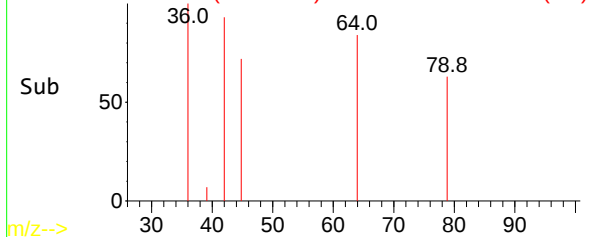
Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

Instrument :
MSVOA_X
ClientSampled :

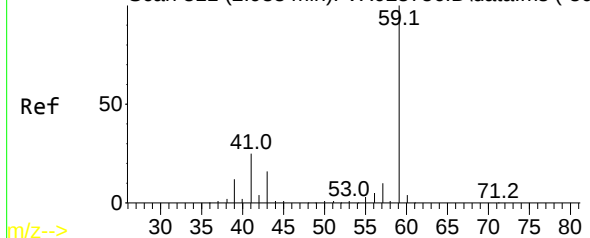
Abundance Scan 98 (1.685 min): VX024109.D\data.ms



Abundance Scan 98 (1.685 min): VX024109.D\data.ms (-48)



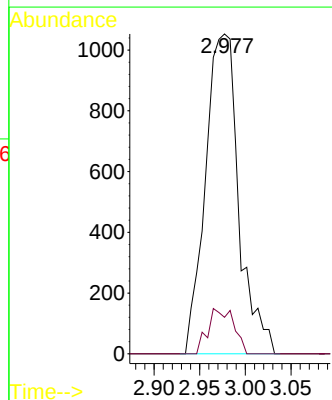
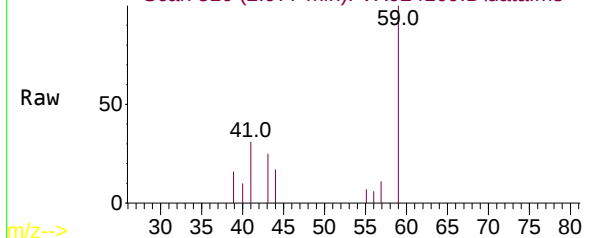
Abundance Scan 311 (2.983 min): VX023756.D\data.ms (-30)



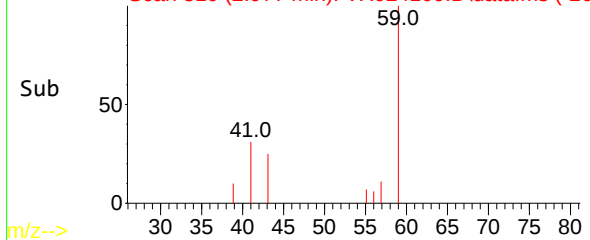
#11
Tert butyl alcohol
Concen: 7.360 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

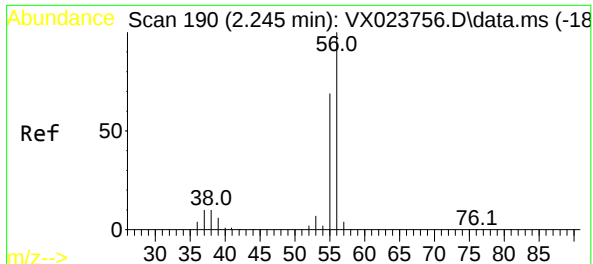
Tgt Ion: 59 Resp: 2673
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8

Abundance Scan 310 (2.977 min): VX024109.D\data.ms



Abundance Scan 310 (2.977 min): VX024109.D\data.ms (-26)

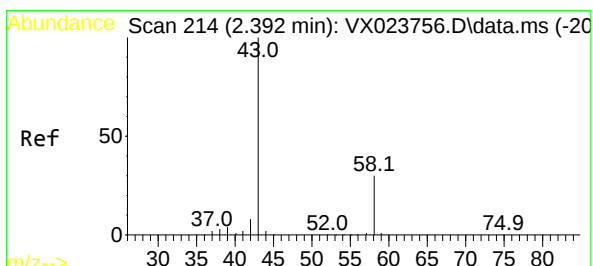
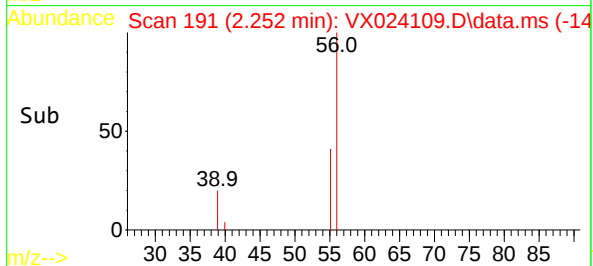
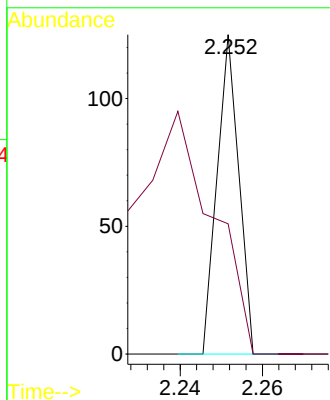
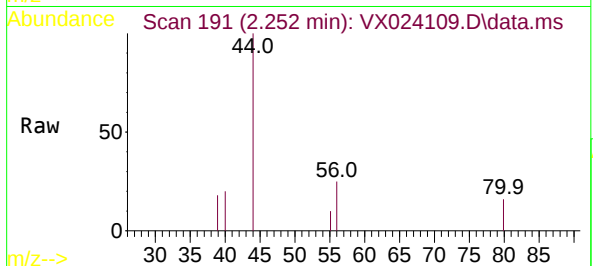




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.007 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

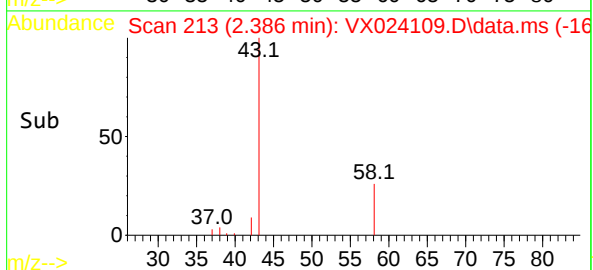
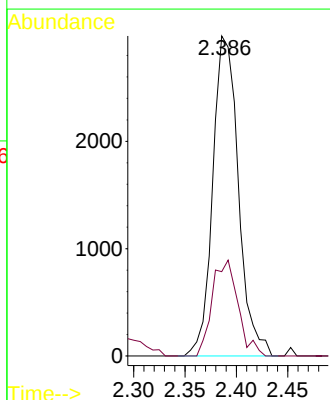
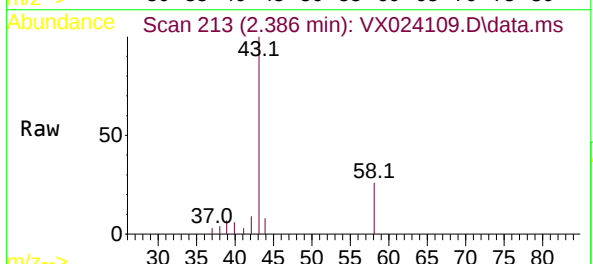
Instrument :
MSVOA_X
ClientSampled :

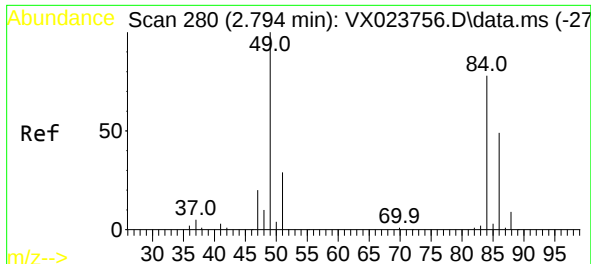
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 213.0 56.4 84.6#



#16
Acetone
Concen: 6.442 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion: 43 Resp: 5173
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#





#20

Methylene Chloride

Concen: 0.311 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX024109.D

Acq: 03 Sep 2021 17:50

Tgt Ion: 84 Resp: 477

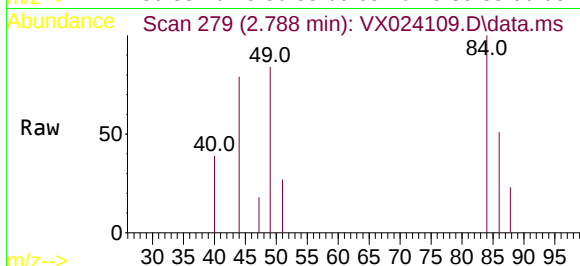
Ion Ratio Lower Upper

84 100

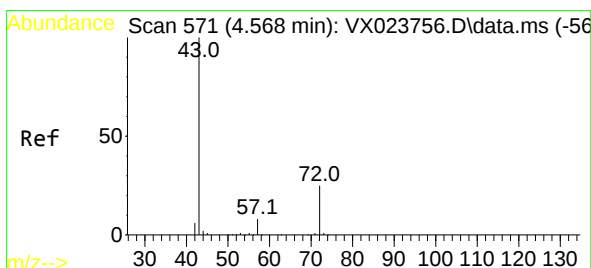
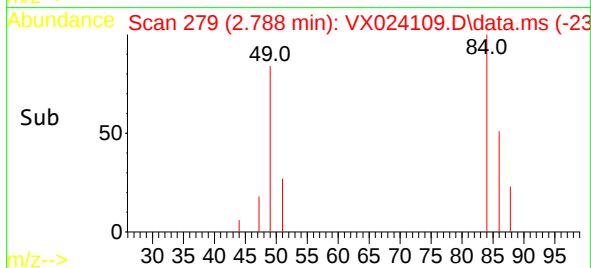
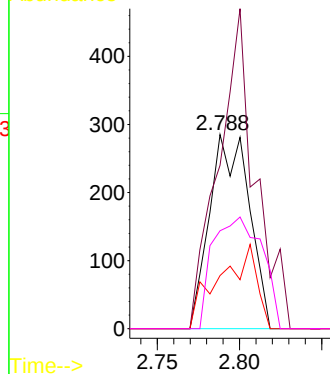
49 84.2 88.6 132.8#

51 27.4 27.0 40.6

86 50.5 50.3 75.5



Abundance



#25

2-Butanone

Concen: 24.375 ug/l

RT: 4.812 min Scan# 611

Delta R.T. 0.244 min

Lab File: VX024109.D

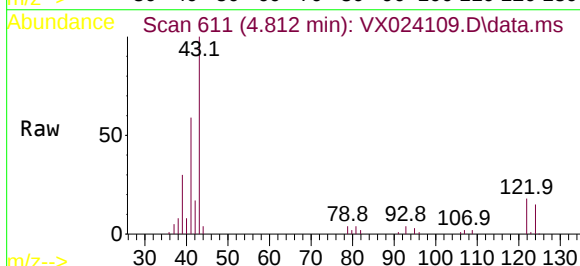
Acq: 03 Sep 2021 17:50

Tgt Ion: 43 Resp: 29647

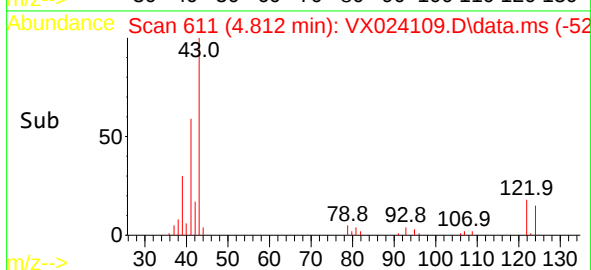
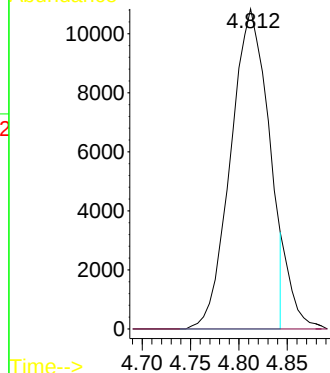
Ion Ratio Lower Upper

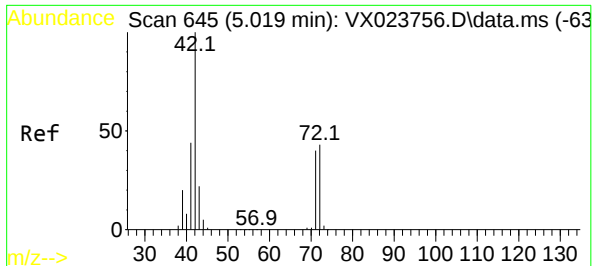
43 100

72 0.0 23.7 35.5#



Abundance





#29

Tetrahydrofuran

Concen: 6.518 ug/l

RT: 4.812 min Scan# 611

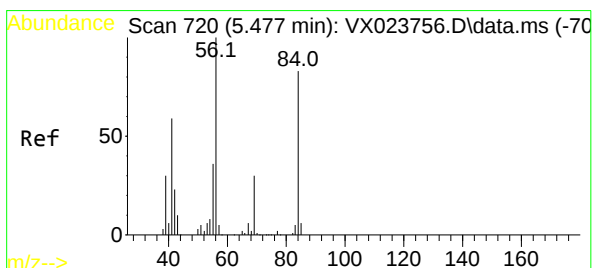
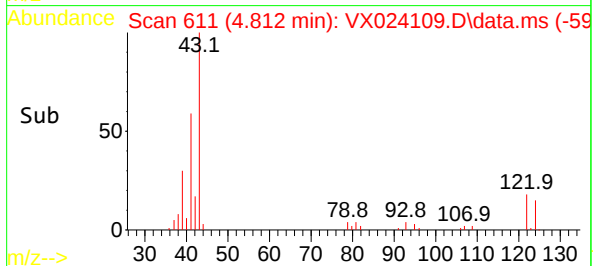
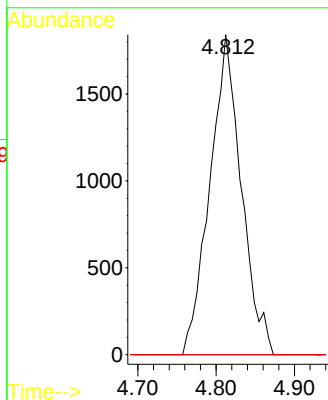
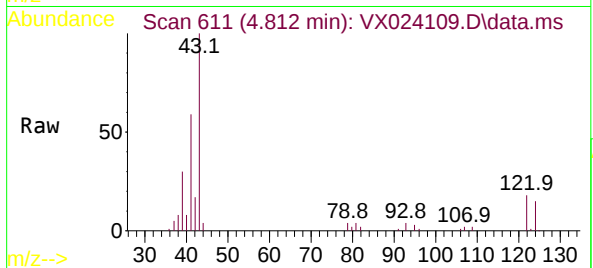
Delta R.T. -0.207 min

Lab File: VX024109.D

Acq: 03 Sep 2021 17:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	42	Resp:	5135
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.260 ug/l

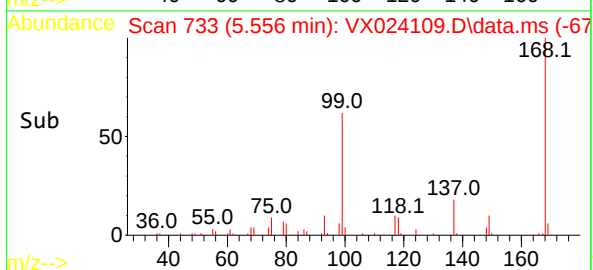
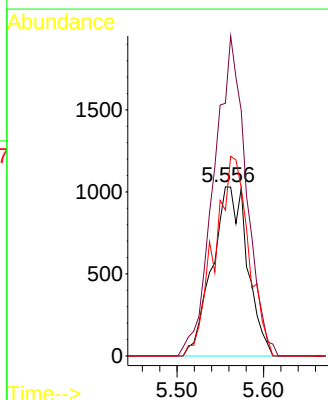
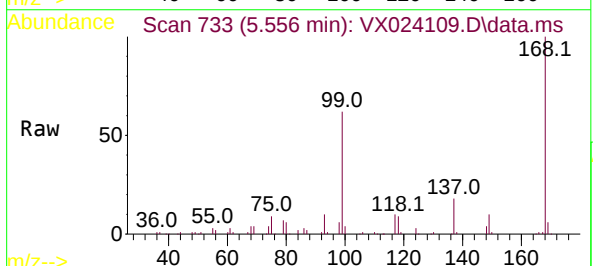
RT: 5.556 min Scan# 733

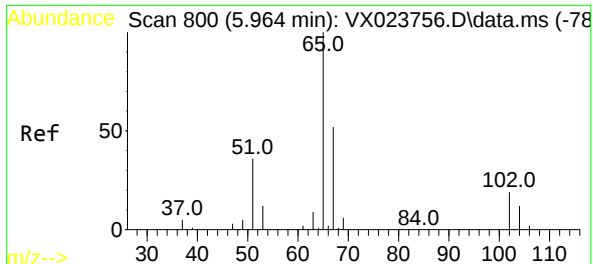
Delta R.T. 0.079 min

Lab File: VX024109.D

Acq: 03 Sep 2021 17:50

Tgt Ion:	56	Resp:	2908
Ion	Ratio	Lower	Upper
56	100		
69	149.4	25.3	37.9#
84	86.1	71.4	107.0



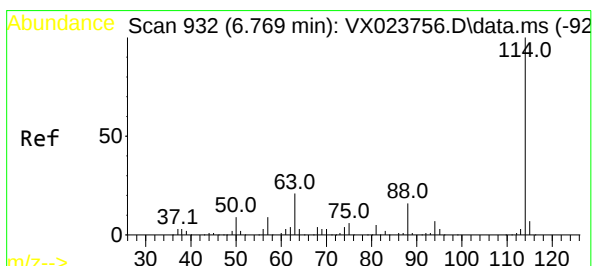
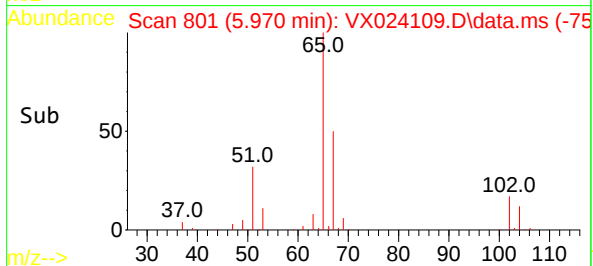
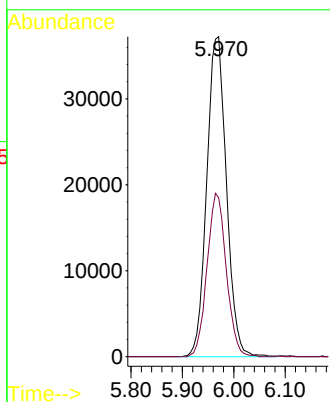
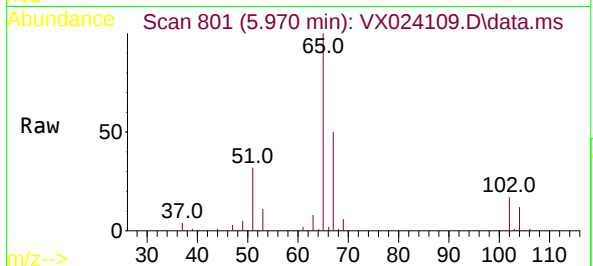


#33

1,2-Dichloroethane-d4
Concen: 55.090 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Instrument :
MSVOA_X
ClientSampled :

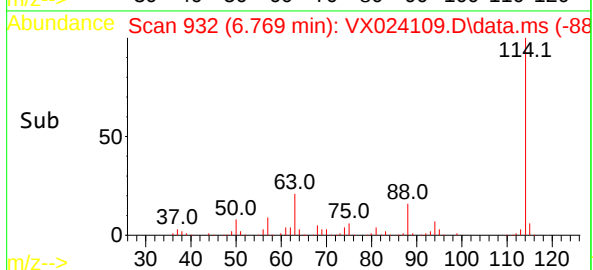
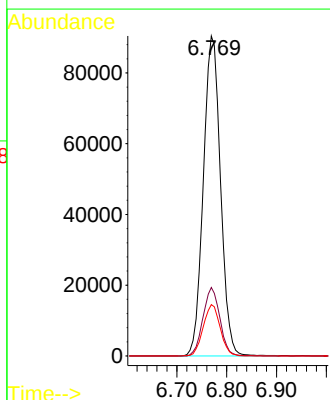
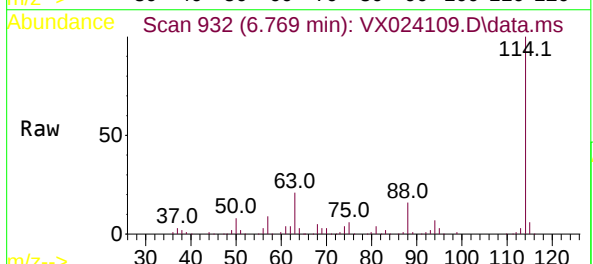
Tgt Ion: 65 Resp: 98940
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

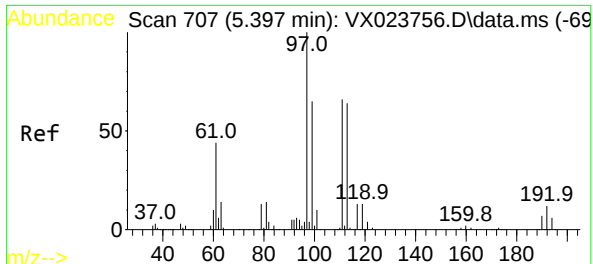


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion: 114 Resp: 216385
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.1 0.0 32.8

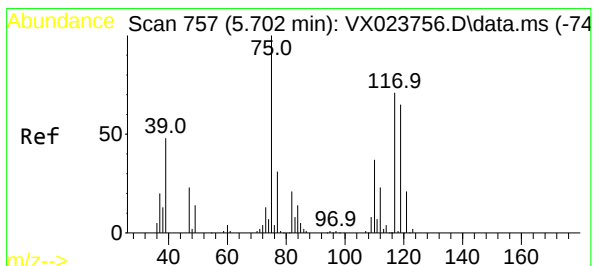
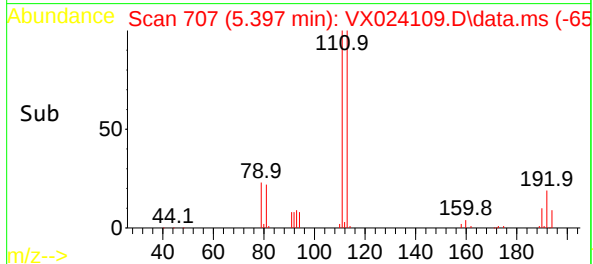
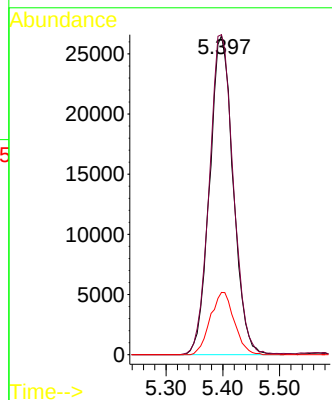
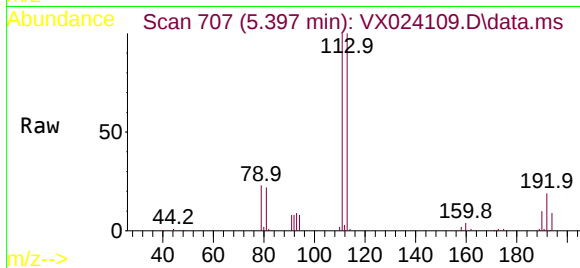




#35
Dibromofluoromethane
Concen: 53.170 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

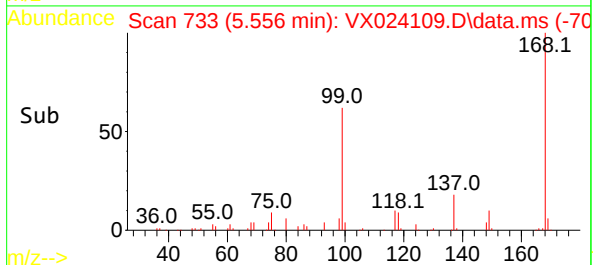
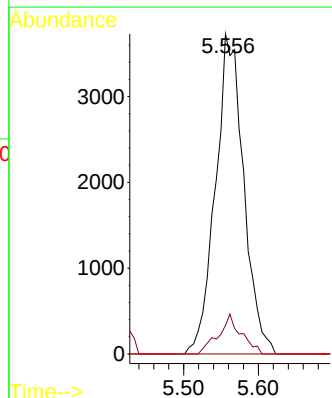
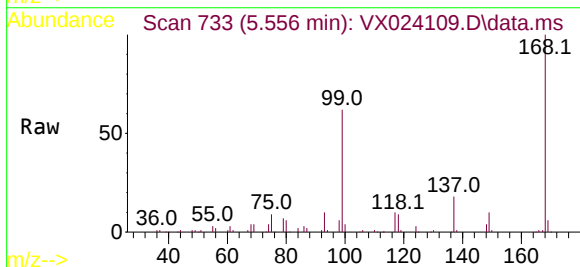
Instrument :
MSVOA_X
ClientSampled :

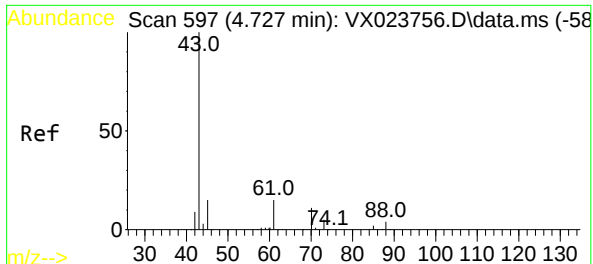
Tgt Ion:113 Resp: 76150
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion: 75 Resp: 9790
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 12.795 ug/l

RT: 4.812 min Scan# 611

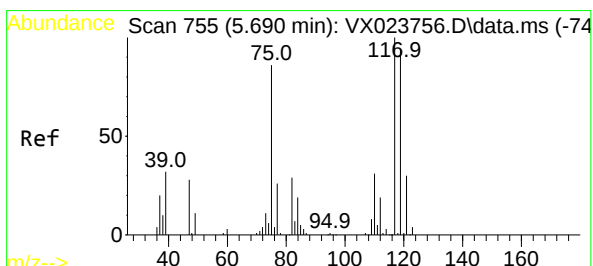
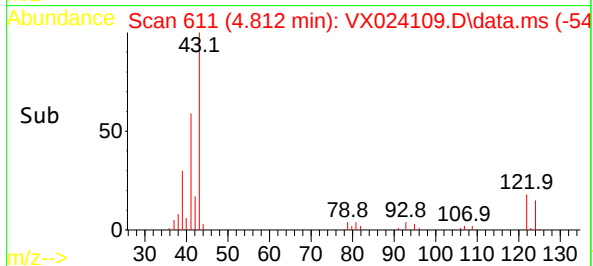
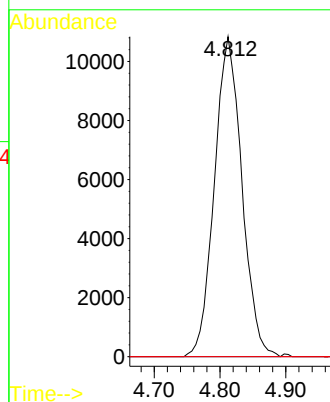
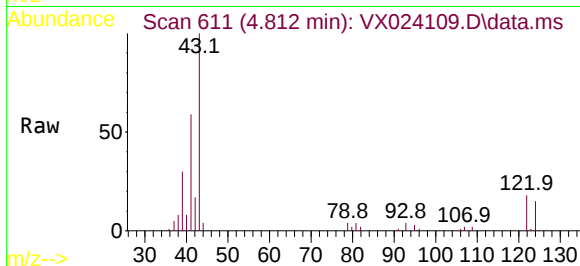
Delta R.T. 0.085 min

Lab File: VX024109.D

Acq: 03 Sep 2021 17:50

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	43	Resp:	31516
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 6.341 ug/l

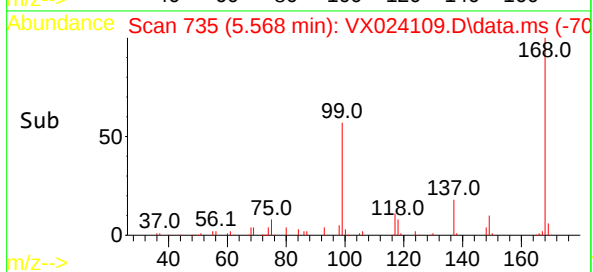
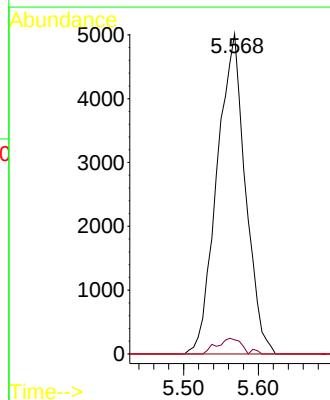
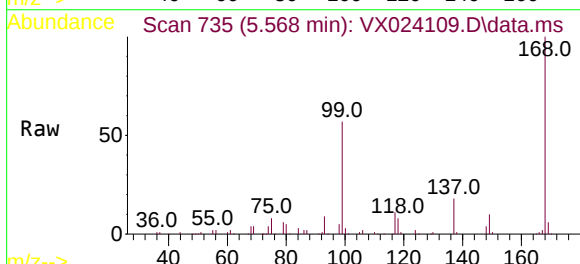
RT: 5.568 min Scan# 735

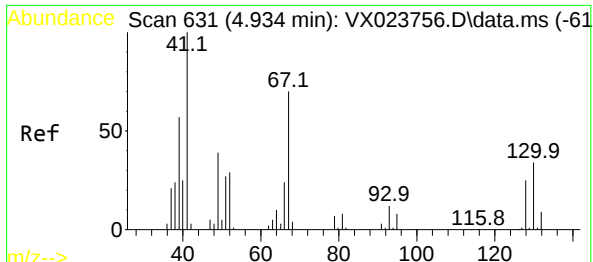
Delta R.T. -0.122 min

Lab File: VX024109.D

Acq: 03 Sep 2021 17:50

Tgt Ion:	117	Resp:	13251
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.2	114.2#
121	0.0	24.8	37.2#

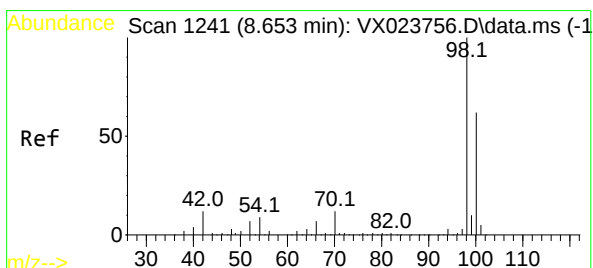
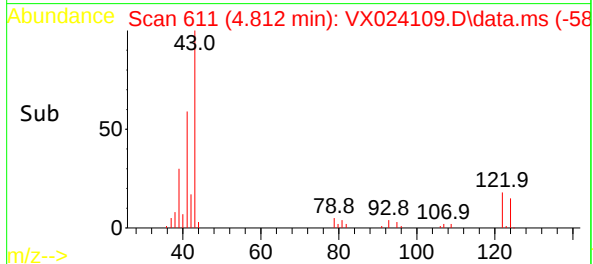
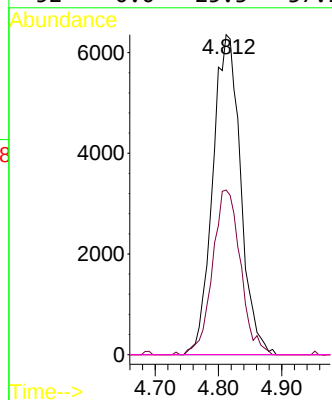
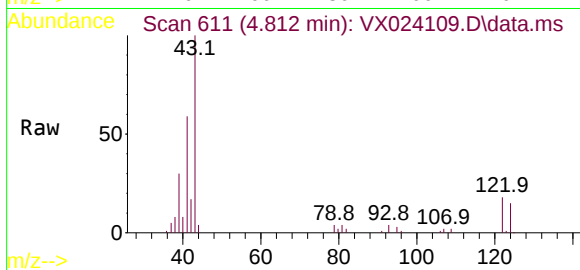




#41
Methacrylonitrile
Concen: 14.528 ug/l
RT: 4.812 min Scan# 611
Delta R.T. -0.122 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

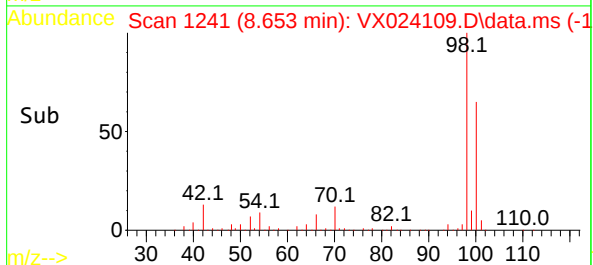
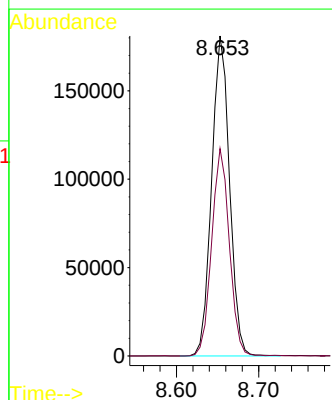
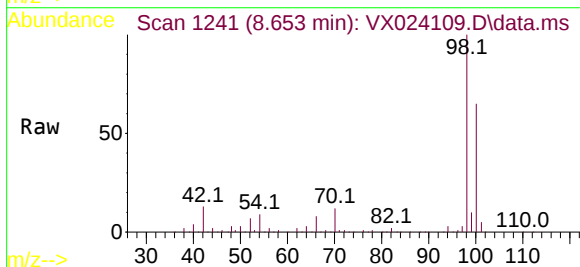
Instrument :
MSVOA_X
ClientSampled :

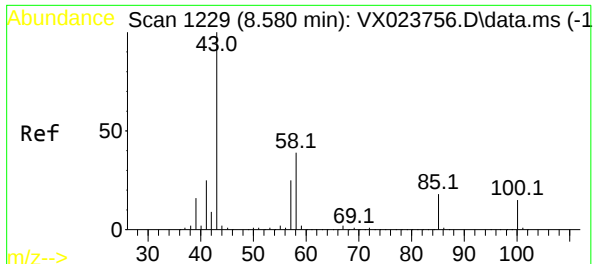
Tgt Ion:	41	Resp:	19399
Ion	Ratio	Lower	Upper
41	100		
39	51.7	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#50
Toluene-d8
Concen: 50.208 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion:	98	Resp:	273683
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9

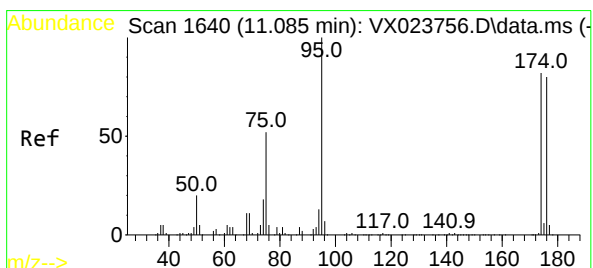
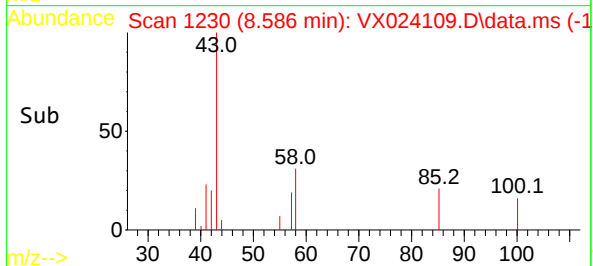
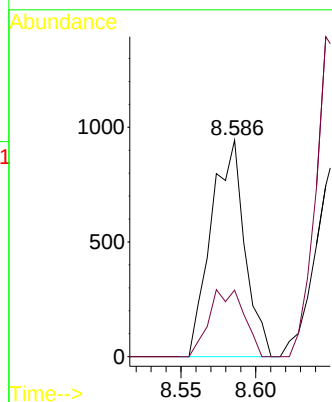
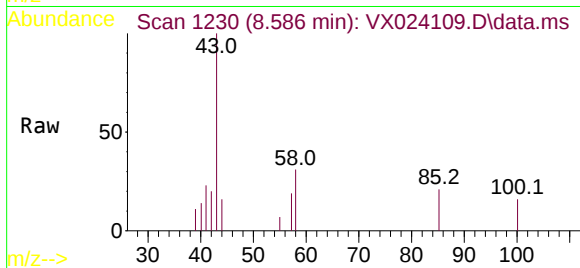




#51
4-Methyl-2-Pentanone
Concen: 0.593 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

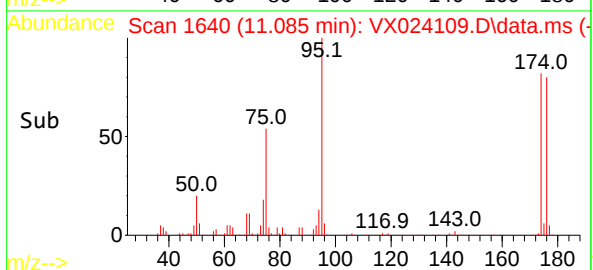
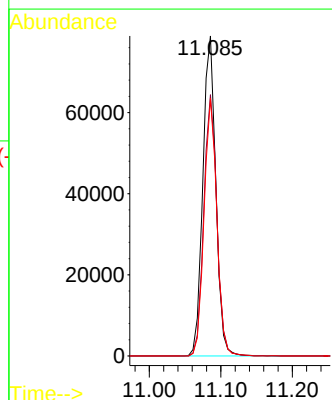
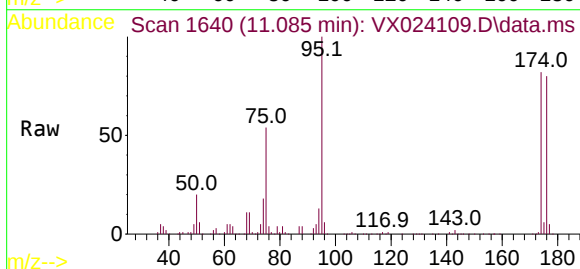
Instrument :
MSVOA_X
ClientSampled :

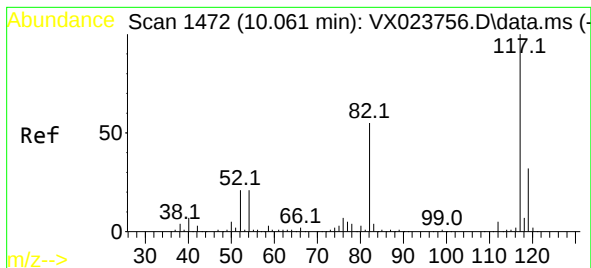
Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
58 32.3 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 49.514 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion: 95 Resp: 99359
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 79.3 0.0 155.8

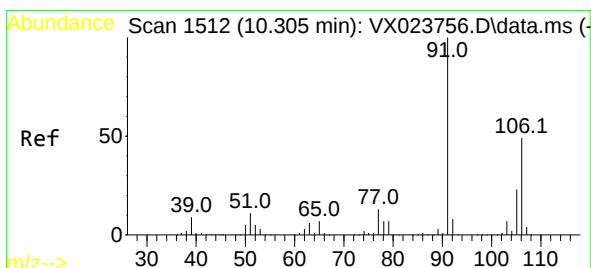
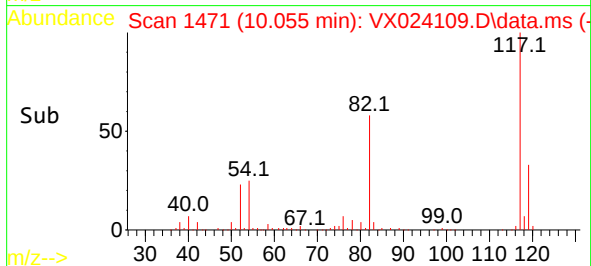
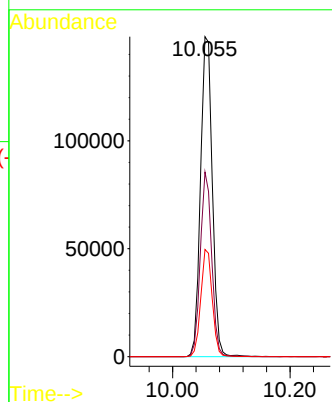
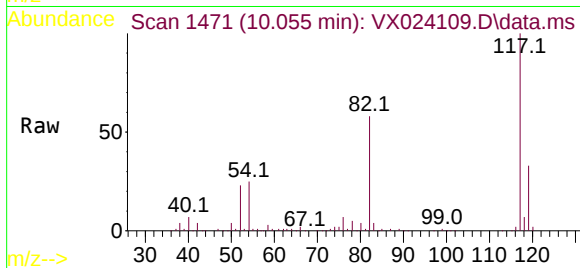




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

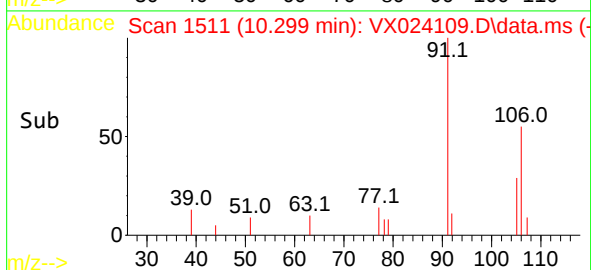
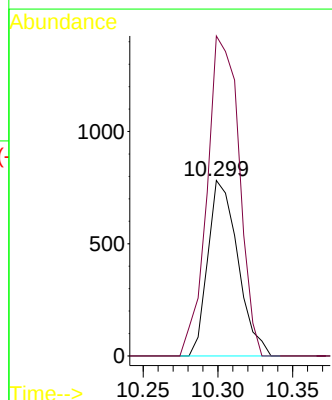
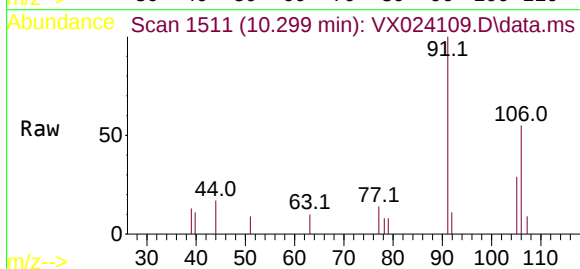
Instrument :
MSVOA_X
ClientSampled :

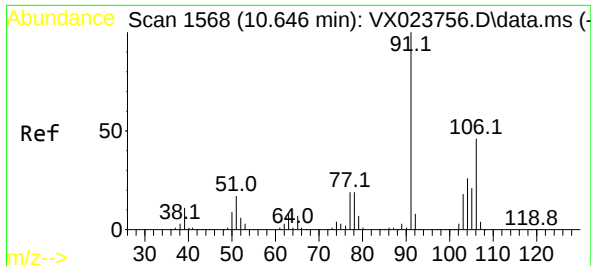
Tgt Ion:117 Resp: 206063
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 33.5 26.6 39.8



#68
m/p-Xylenes
Concen: 0.381 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion:106 Resp: 1091
Ion Ratio Lower Upper
106 100
91 194.8 162.8 244.2

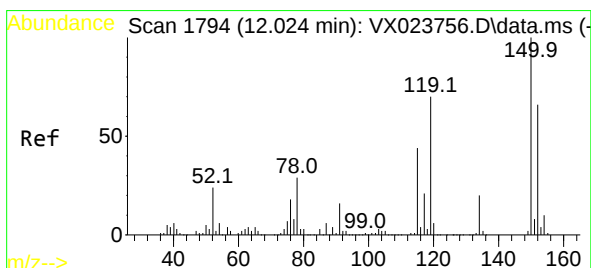
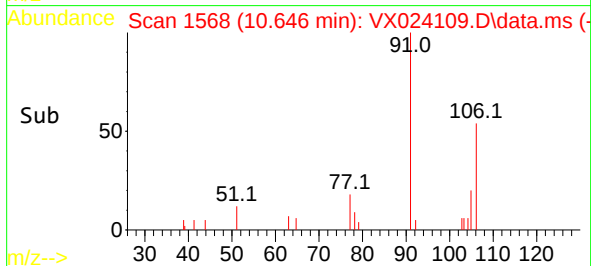
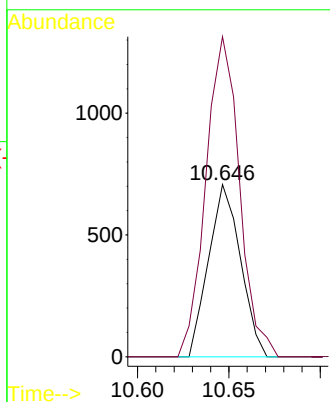
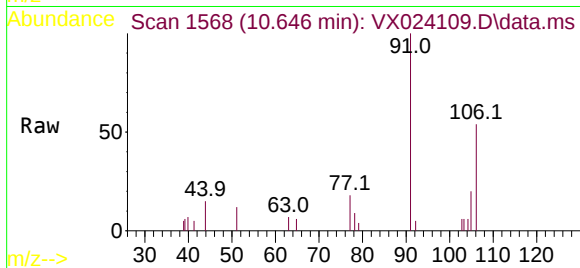




#69
o-Xylene
Concen: 0.306 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

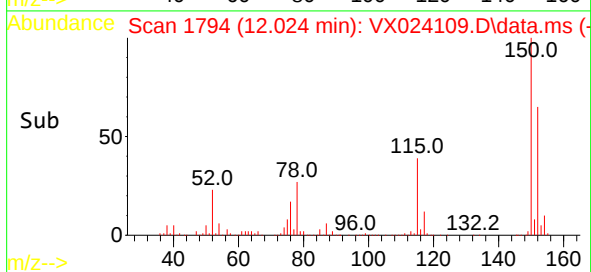
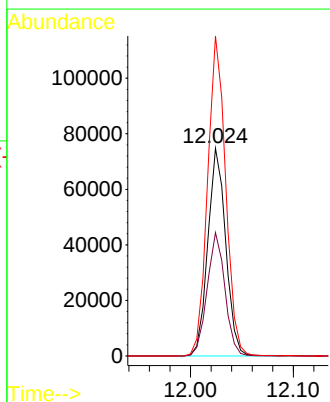
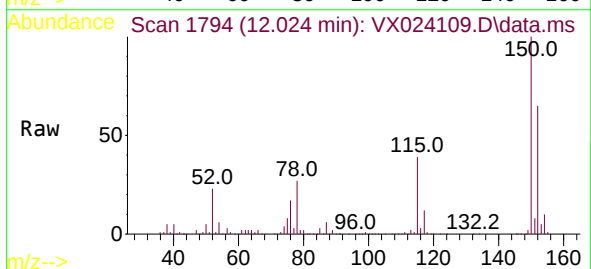
Instrument :
MSVOA_X
ClientSampled :

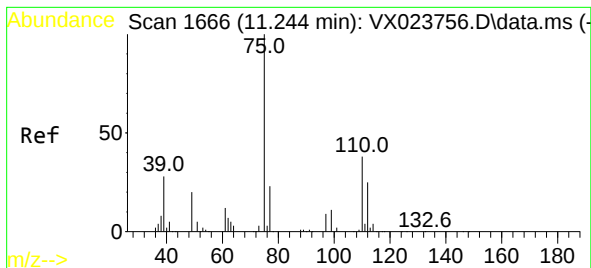
Tgt Ion:106 Resp: 859
Ion Ratio Lower Upper
106 100
91 195.9 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion:152 Resp: 90453
Ion Ratio Lower Upper
152 100
115 58.9 41.1 123.3
150 155.1 0.0 349.0

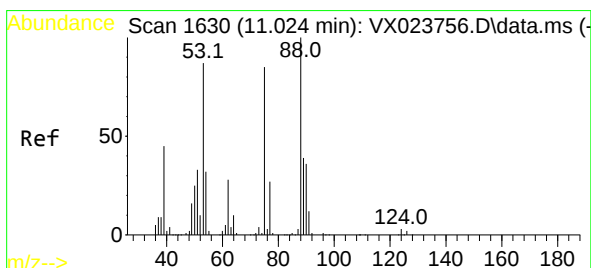
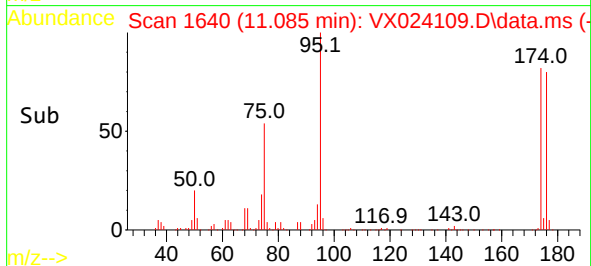
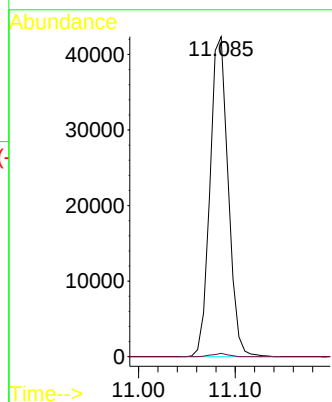
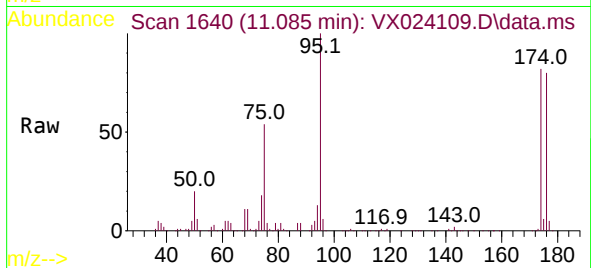




#76
1,2,3-Trichloropropane
Concen: 26.269 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

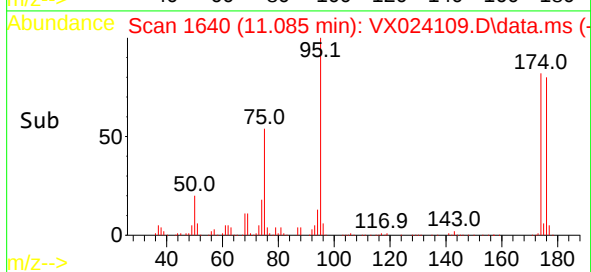
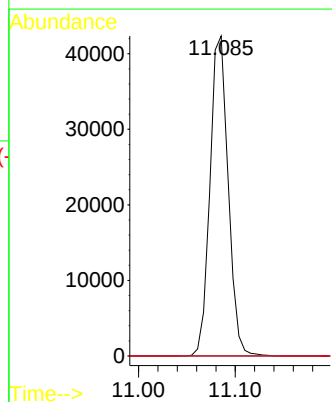
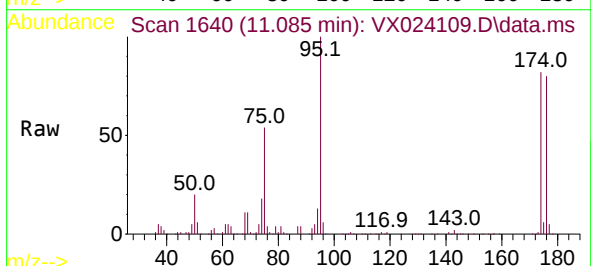
Instrument :
MSVOA_X
ClientSampled :

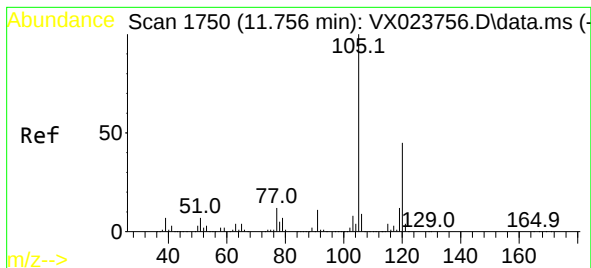
Tgt Ion: 75 Resp: 55429
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.272 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion: 75 Resp: 55429
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

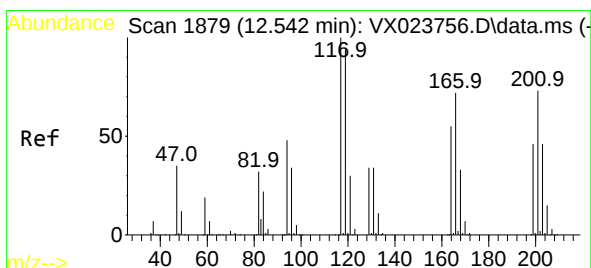
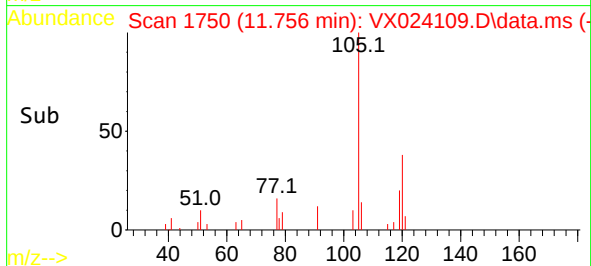
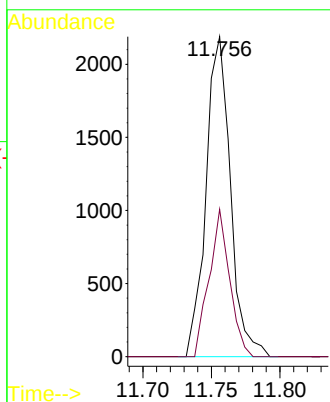
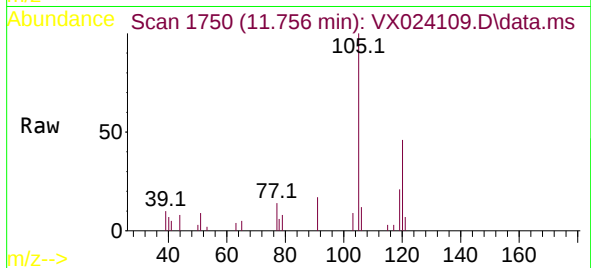




#84
1,2,4-Trimethylbenzene
Concen: 0.479 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

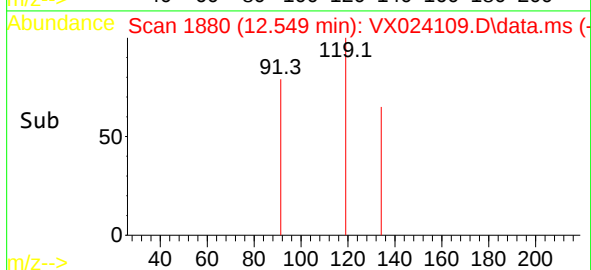
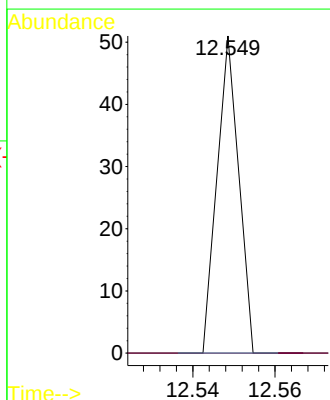
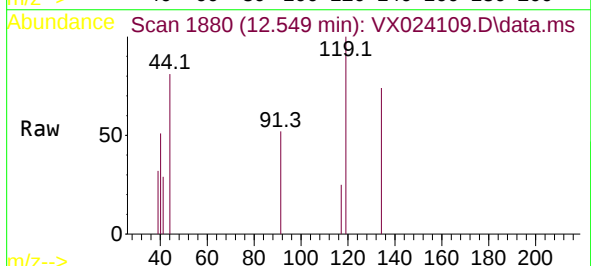
Instrument :
MSVOA_X
ClientSampled :

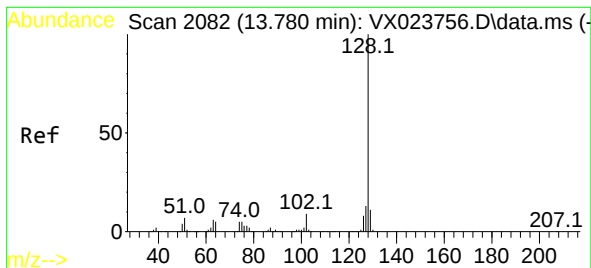
Tgt Ion:105 Resp: 2708
Ion Ratio Lower Upper
105 100
120 38.7 22.4 67.3



#90
Hexachloroethane
Concen: 1.485 ug/l
RT: 12.549 min Scan# 1880
Delta R.T. 0.007 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Tgt Ion:117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.421 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024109.D
Acq: 03 Sep 2021 17:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.1	10.3	15.5#
129	6.8	8.8	13.2#

