

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024219.D
 Acq On : 14 Sep 2021 19:49
 Operator : JC/MD
 Sample : M3728-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N42049

Quant Time: Sep 15 01:58:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

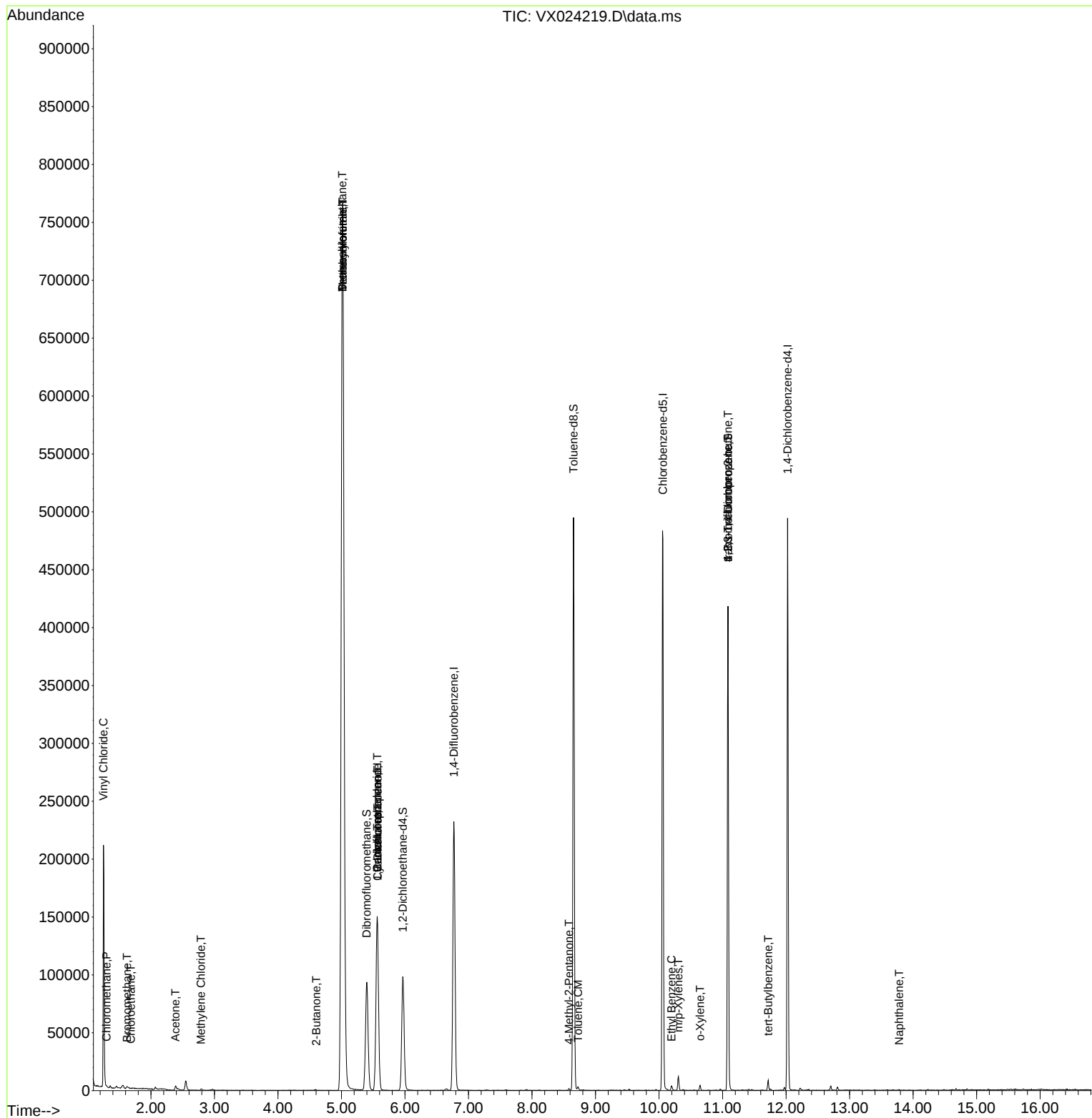
Internal Standards						
1) Pentafluorobenzene	5.562	168	136464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	232203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	217990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100406	51.598	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.200%
35) Dibromofluoromethane	5.397	113	78807	50.606	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.220%
50) Toluene-d8	8.653	98	281788	49.672	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.340%
62) 4-Bromofluorobenzene	11.085	95	104598	47.378	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.760%
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	525	0.383	ug/l	94
4) Vinyl Chloride	1.252	62	1594	1.169	ug/l #	1
5) Bromomethane	1.623	94	937	1.155	ug/l #	76
6) Chloroethane	1.684	64	351	2.305	ug/l #	43
11) Tert butyl alcohol	2.971	59	852	Below Cal	#	73
16) Acetone	2.385	43	4084	4.922	ug/l #	84
20) Methylene Chloride	2.788	84	523	0.328	ug/l #	87
25) 2-Butanone	4.605	43	539	0.441	ug/l #	45
28) Bromochloromethane	5.013	49	1602	1.492	ug/l #	9
29) Tetrahydrofuran	5.019	42	718217	938.941	ug/l	89
31) Cyclohexane	5.568	56	3150	1.384	ug/l #	29
36) 1,1-Dichloropropene	5.568	75	11264	5.276	ug/l #	52
38) Carbon Tetrachloride	5.562	117	14479	6.026	ug/l #	18
41) Methacrylonitrile	5.019	41	424509	319.999	ug/l #	42
51) 4-Methyl-2-Pentanone	8.579	43	952	0.377	ug/l #	72
52) Toluene	8.726	92	1095	0.273	ug/l #	70
67) Ethyl Benzene	10.195	91	2211	0.282	ug/l #	87
68) m/p-Xylenes	10.305	106	2724	0.907	ug/l	99
69) o-Xylene	10.646	106	851	0.284	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	57628	26.092	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57628	76.737	ug/l #	12
83) tert-Butylbenzene	11.719	119	3302	0.567	ug/l	89
95) Naphthalene	13.780	128	628	1.376	ug/l #	83

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

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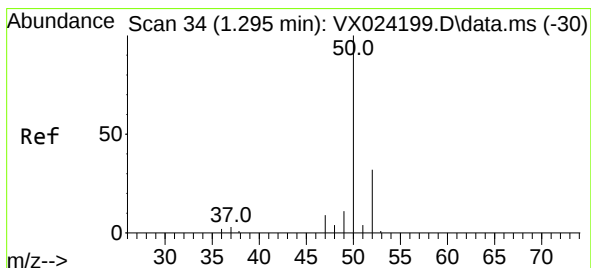
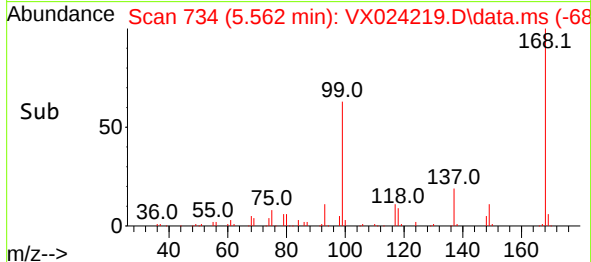
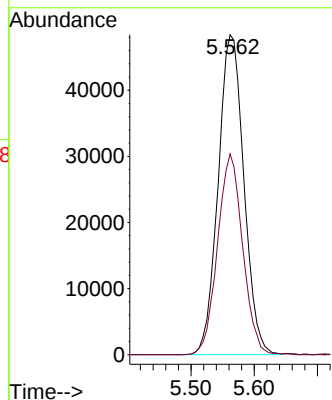
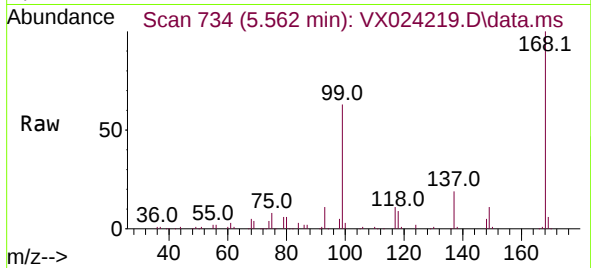




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

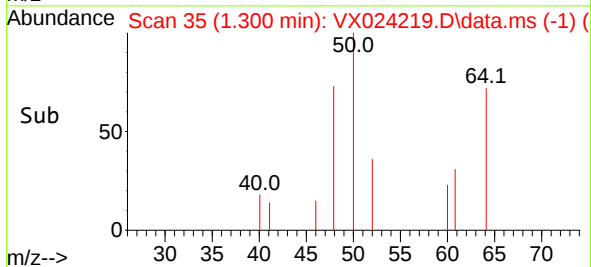
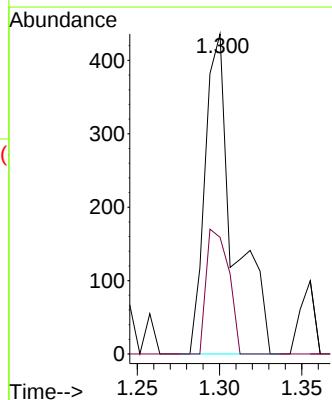
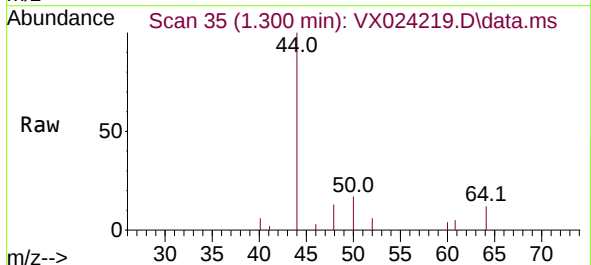
Instrument :
MSVOA_X
ClientSampleId :
N42049

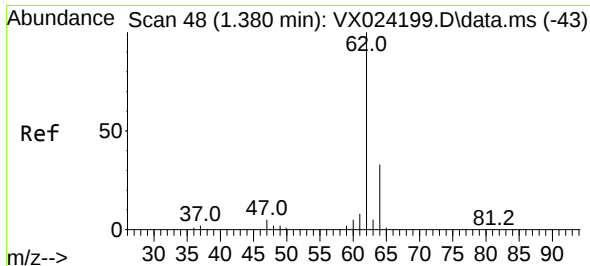
Tgt Ion:168 Resp: 136464
Ion Ratio Lower Upper
168 100
99 62.7 45.8 68.6



#3
Chloromethane
Concen: 0.383 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 36.5 26.4 39.6

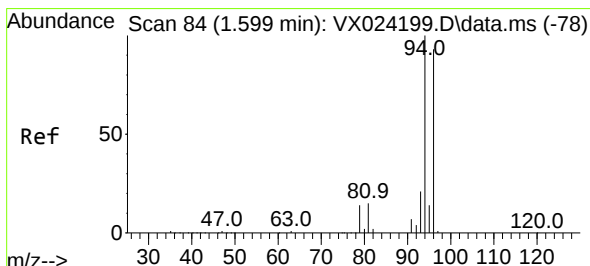
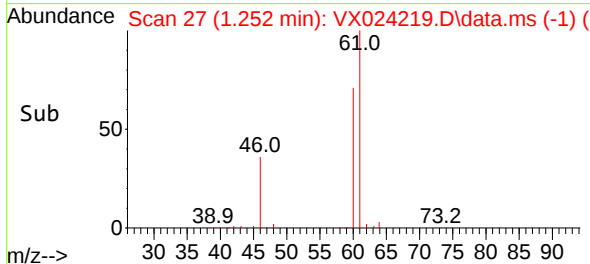
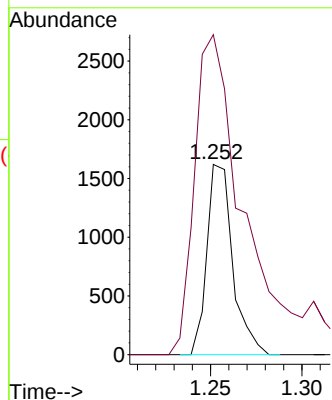
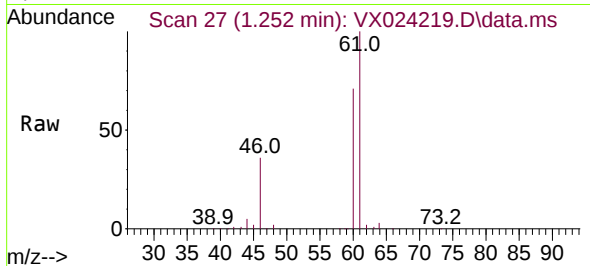




#4
 Vinyl Chloride
 Concen: 1.169 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.128 min
 Lab File: VX024219.D
 Acq: 14 Sep 2021 19:49

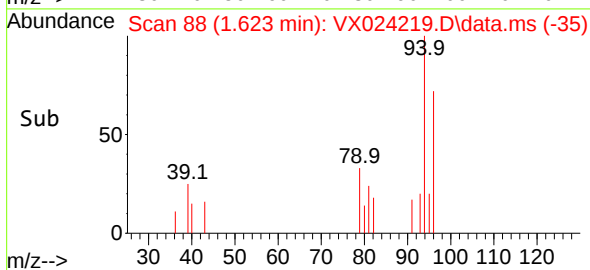
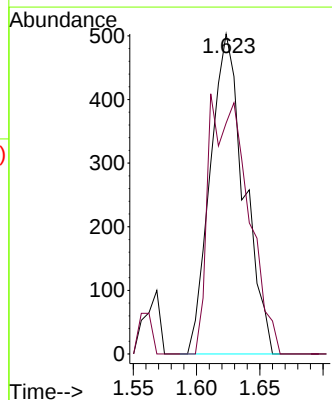
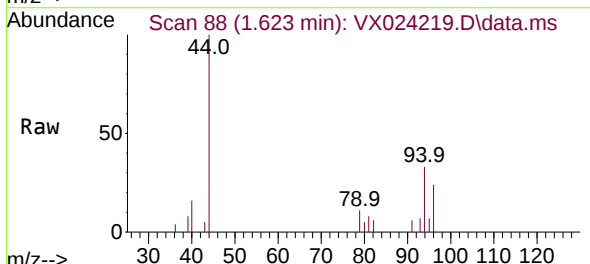
Instrument :
 MSVOA_X
 ClientSampleId :
 N42049

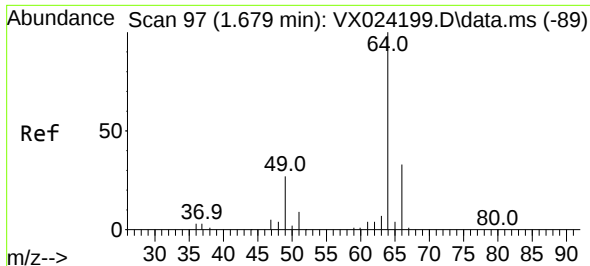
Tgt Ion: 62 Resp: 1594
 Ion Ratio Lower Upper
 62 100
 64 159.4 25.7 38.5#



#5
 Bromomethane
 Concen: 1.155 ug/l
 RT: 1.623 min Scan# 88
 Delta R.T. 0.024 min
 Lab File: VX024219.D
 Acq: 14 Sep 2021 19:49

Tgt Ion: 94 Resp: 937
 Ion Ratio Lower Upper
 94 100
 96 72.2 76.4 114.6#

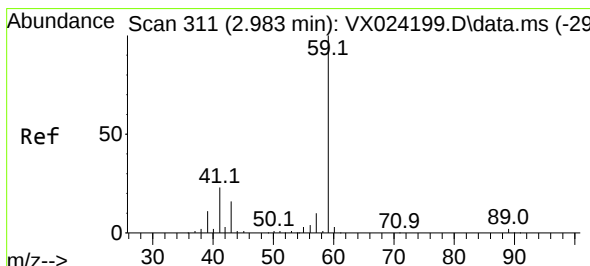
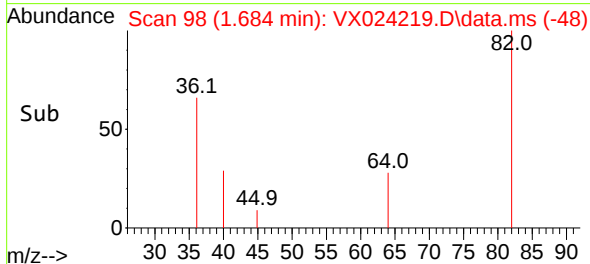
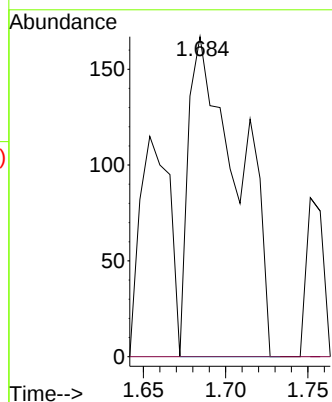
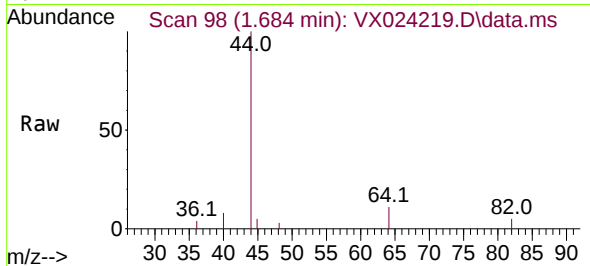




#6
Chloroethane
Concen: 2.305 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.005 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

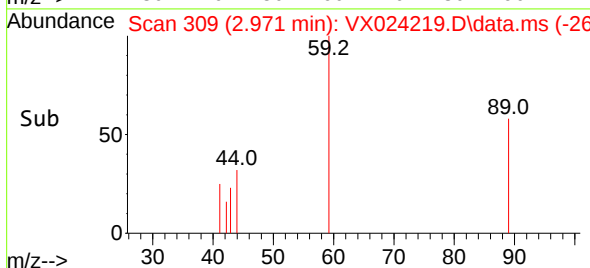
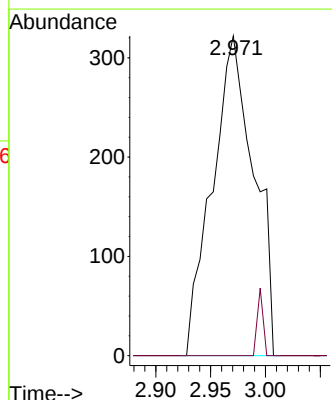
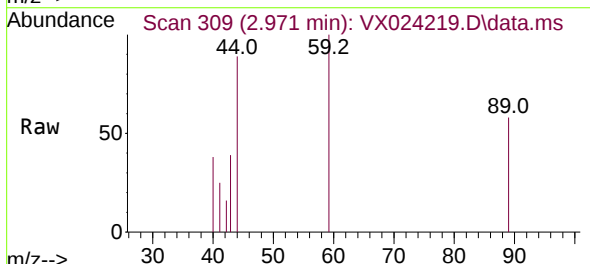
Instrument :
MSVOA_X
ClientSampleId :
N42049

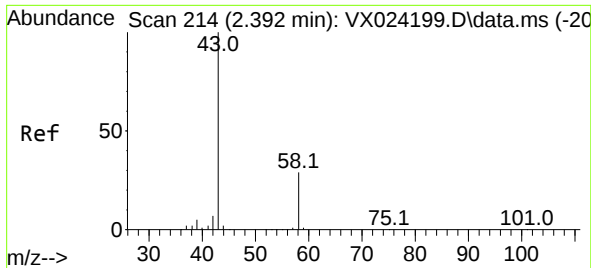
Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

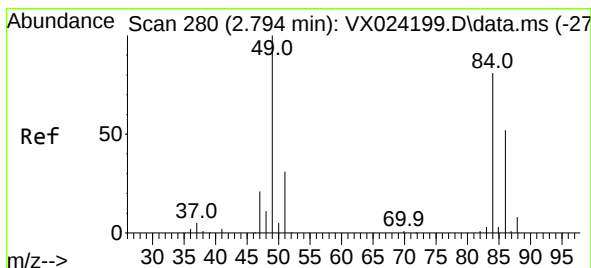
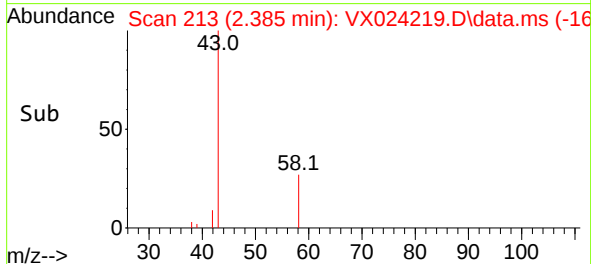
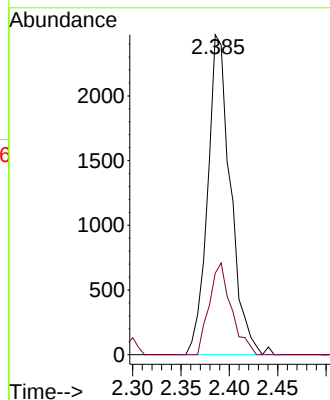
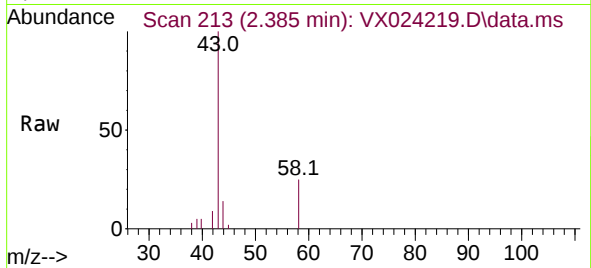




#16
Acetone
Concen: 4.922 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

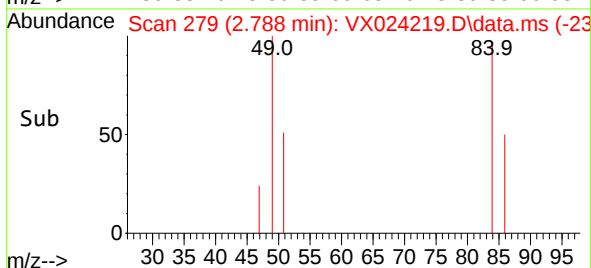
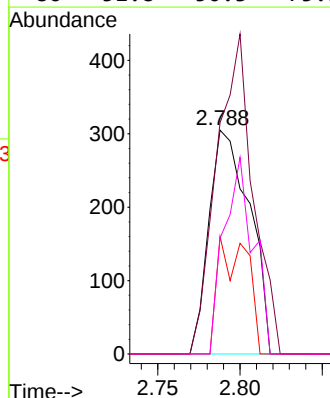
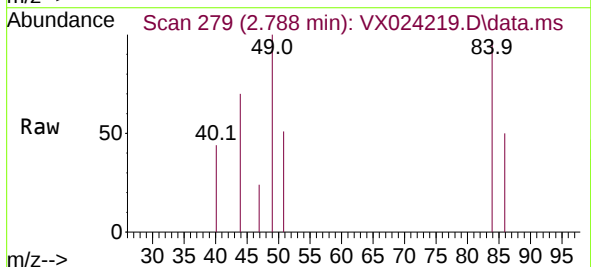
Instrument :
MSVOA_X
ClientSampleId :
N42049

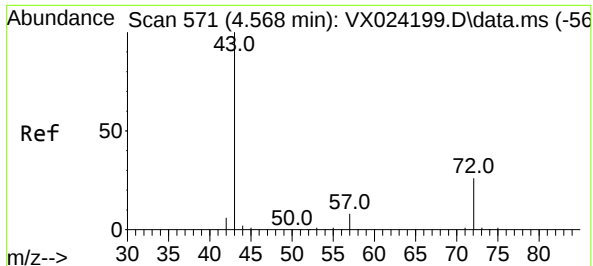
Tgt Ion: 43 Resp: 4084
Ion Ratio Lower Upper
43 100
58 25.5 27.8 41.8#



#20
Methylene Chloride
Concen: 0.328 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion: 84 Resp: 523
Ion Ratio Lower Upper
84 100
49 103.3 88.6 132.8
51 52.5 27.0 40.6#
86 51.8 50.3 75.5





#25

2-Butanone

Concen: 0.441 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.037 min

Lab File: VX024219.D

Acq: 14 Sep 2021 19:49

Tgt Ion: 43 Resp: 539

Ion Ratio Lower Upper

43 100

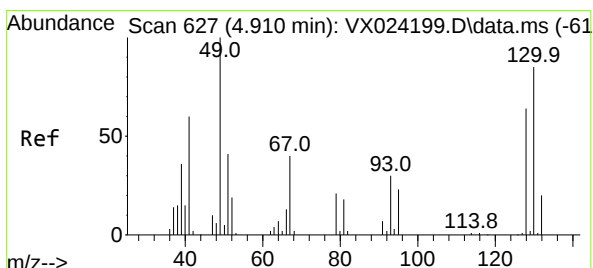
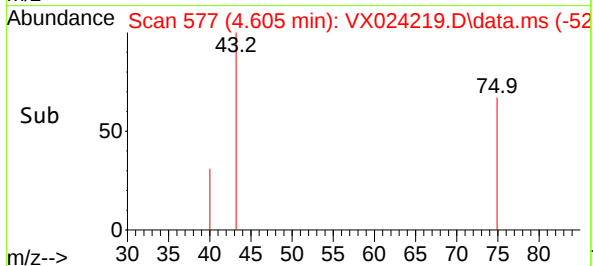
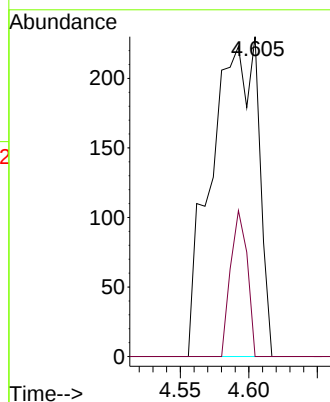
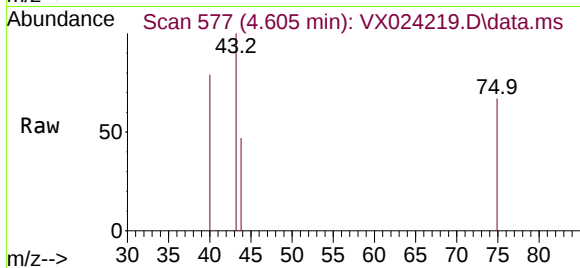
72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampled :

N42049



#28

Bromochloromethane

Concen: 1.492 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.103 min

Lab File: VX024219.D

Acq: 14 Sep 2021 19:49

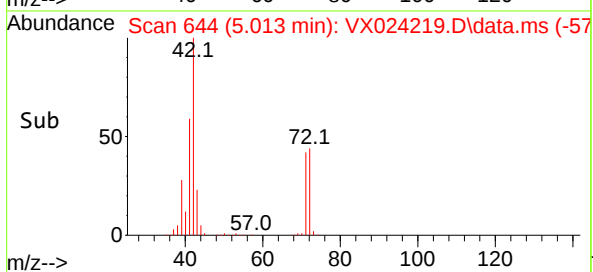
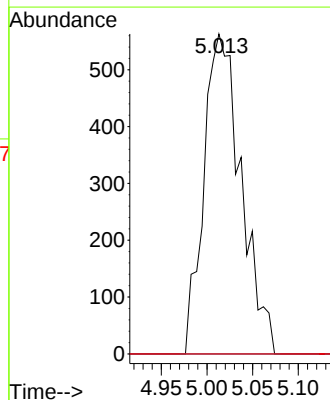
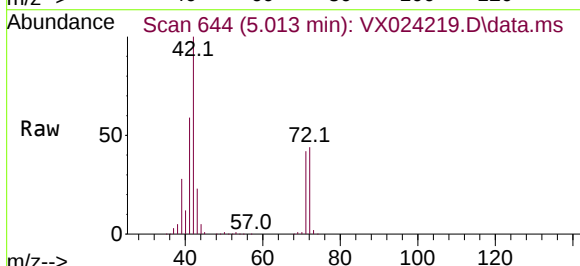
Tgt Ion: 49 Resp: 1602

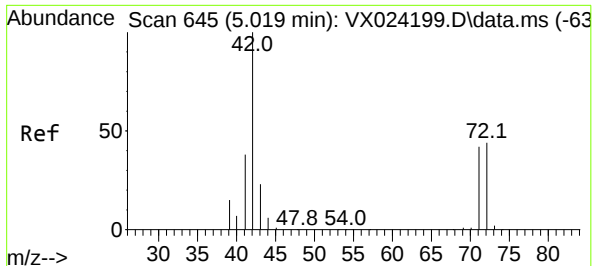
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 938.941 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.000 min

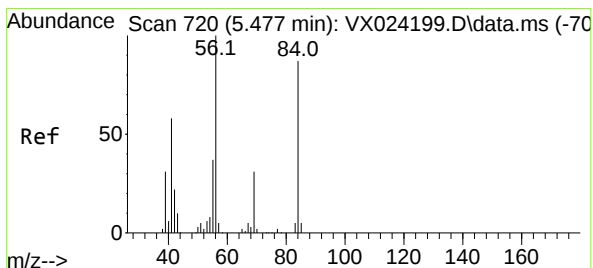
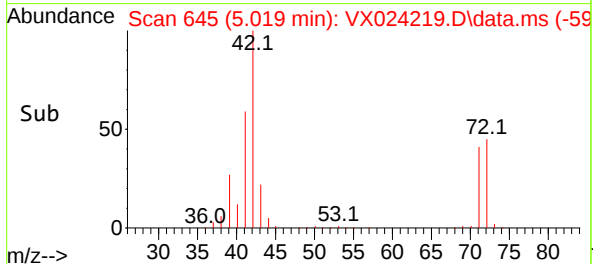
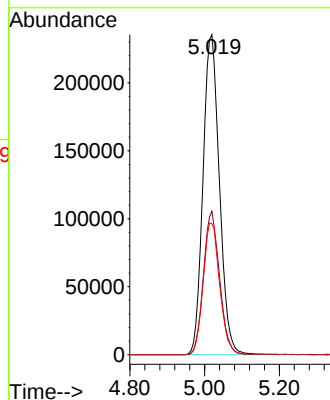
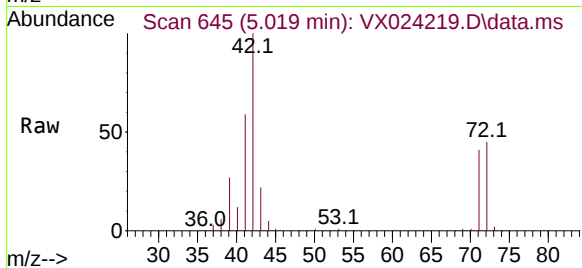
Lab File: VX024219.D

Acq: 14 Sep 2021 19:49

Tgt Ion: 42 Resp: 718217

Ion	Ratio	Lower	Upper
42	100		
72	44.0	41.7	62.5
71	41.3	38.4	57.6

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#31

Cyclohexane

Concen: 1.384 ug/l

RT: 5.568 min Scan# 735

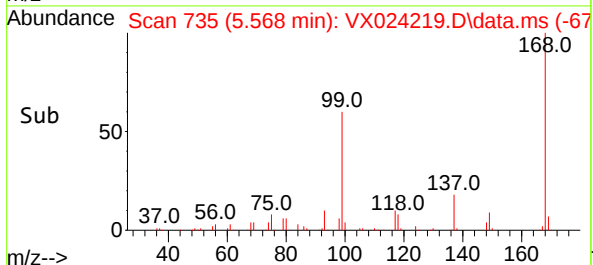
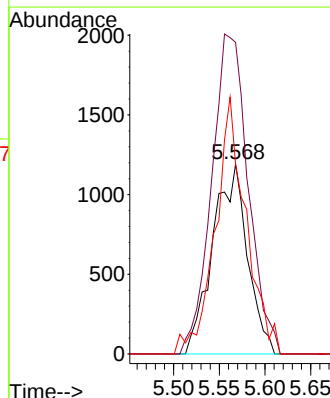
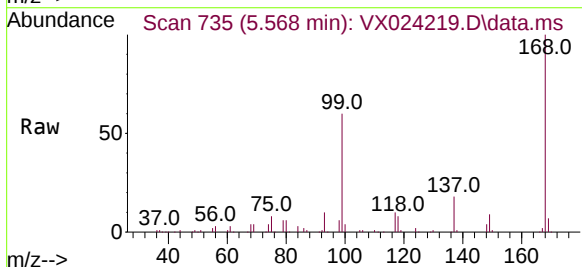
Delta R.T. 0.091 min

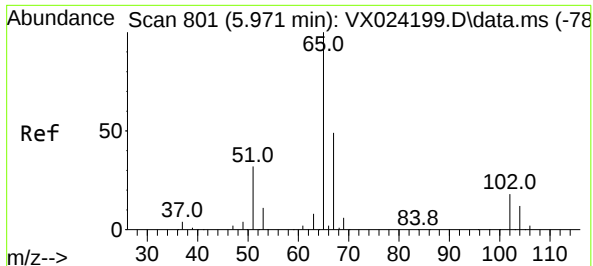
Lab File: VX024219.D

Acq: 14 Sep 2021 19:49

Tgt Ion: 56 Resp: 3150

Ion	Ratio	Lower	Upper
56	100		
69	164.2	25.3	37.9#
84	100.1	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 51.598 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

Lab File: VX024219.D

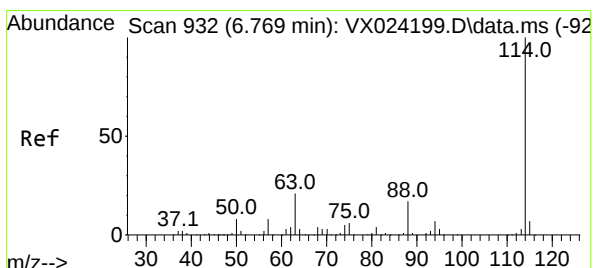
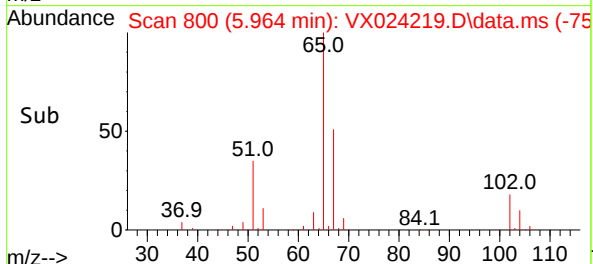
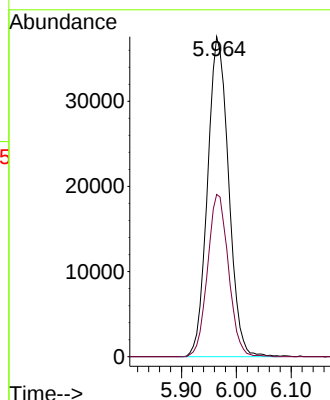
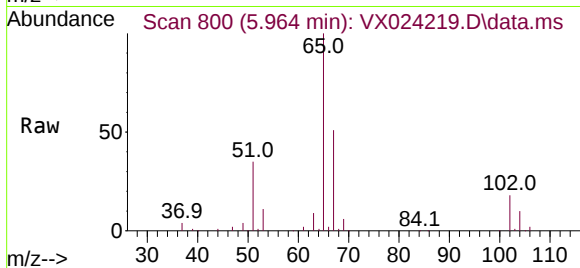
Acq: 14 Sep 2021 19:49

Tgt Ion: 65 Resp: 100406

Ion Ratio Lower Upper

65 100

67 50.3 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: VX024219.D

Acq: 14 Sep 2021 19:49

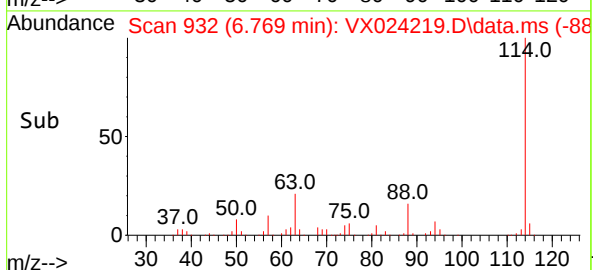
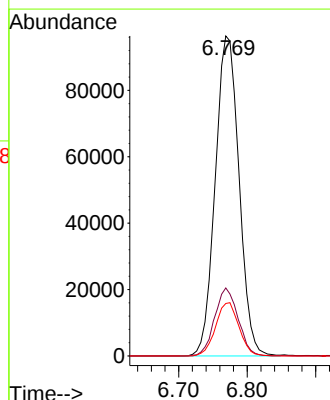
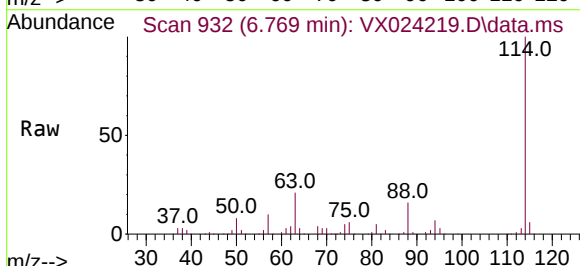
Tgt Ion: 114 Resp: 232203

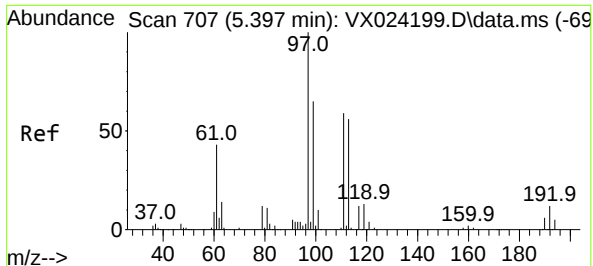
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 16.4 0.0 32.8

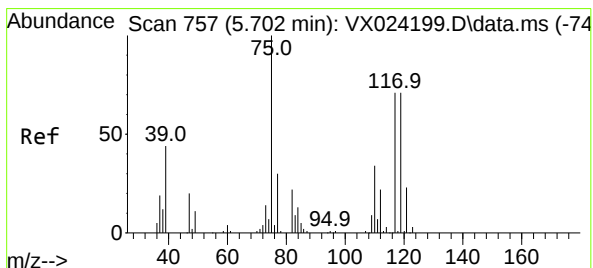
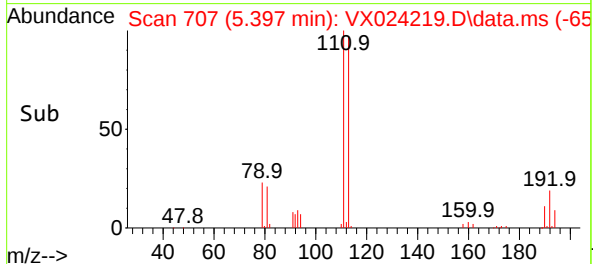
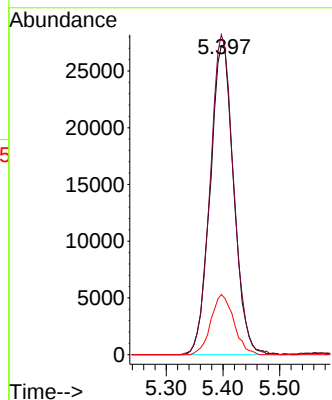
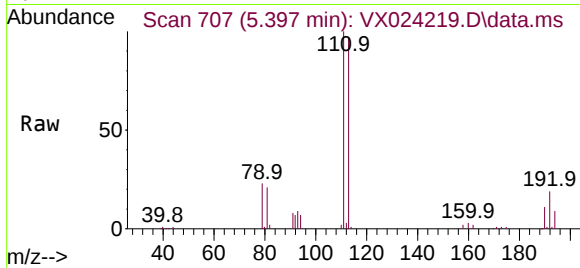




#35
Dibromofluoromethane
Concen: 50.606 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

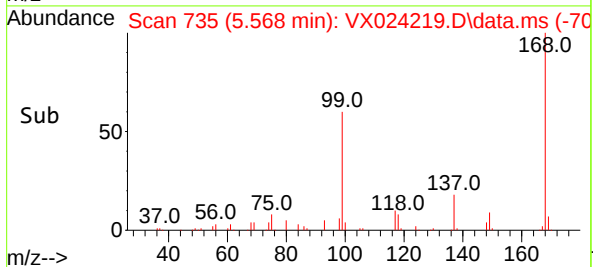
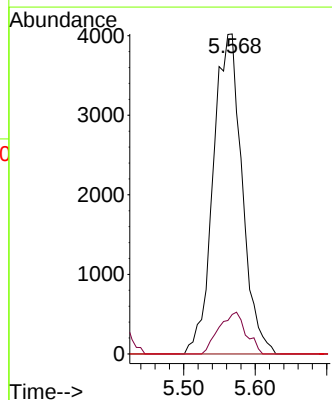
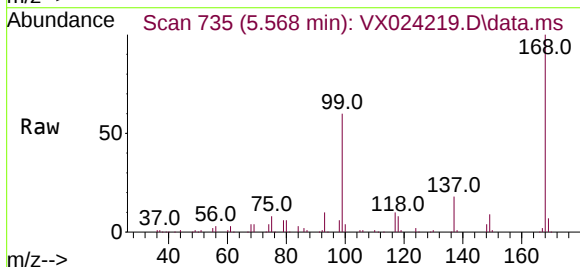
Instrument :
MSVOA_X
ClientSampleId :
N42049

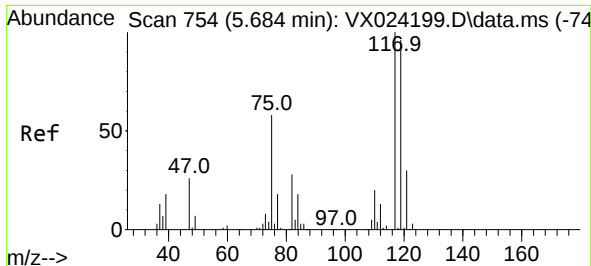
Tgt Ion:	113	Resp:	78807
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	18.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.276 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

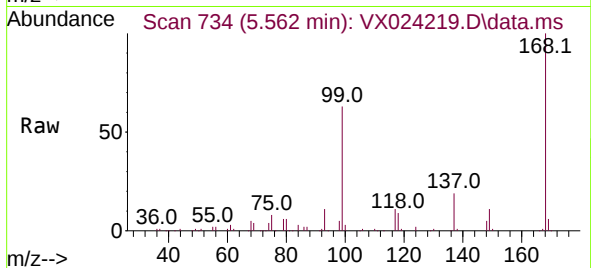
Tgt Ion:	75	Resp:	11264
Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.1	54.4#
77	0.0	25.3	37.9#



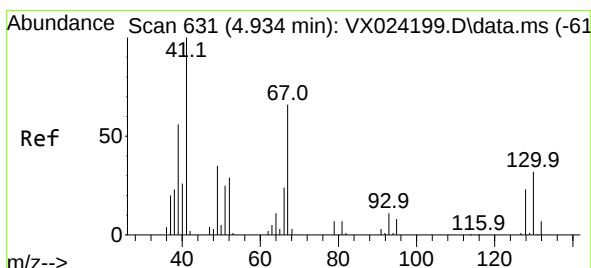
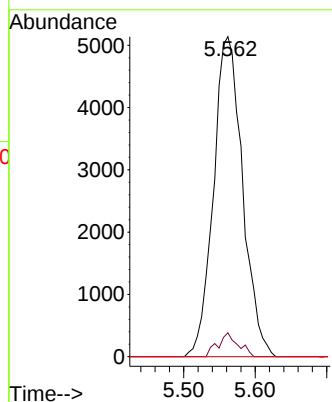
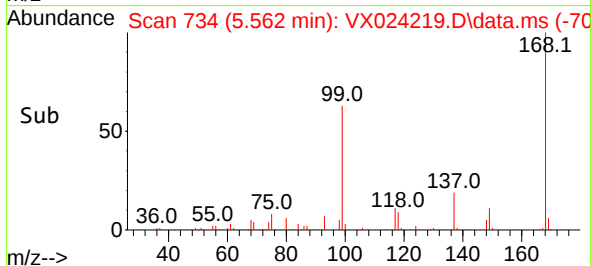


#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

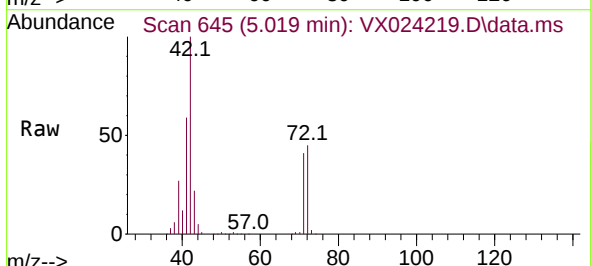
Instrument :
MSVOA_X
ClientSampleId :
N42049



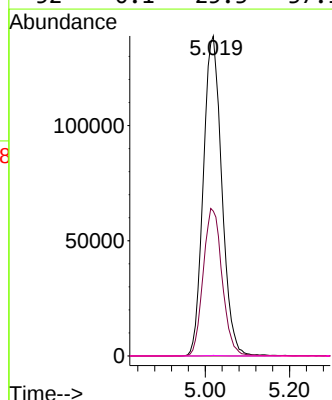
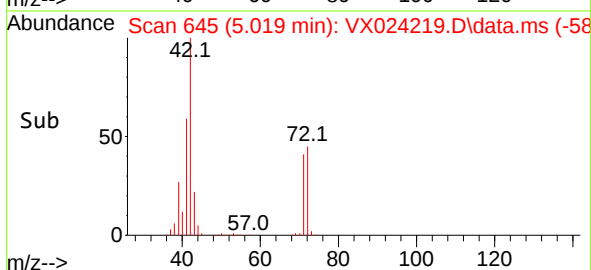
Tgt Ion: 117 Resp: 14479
Ion Ratio Lower Upper
117 100
119 7.5 76.2 114.2#
121 0.0 24.8 37.2#

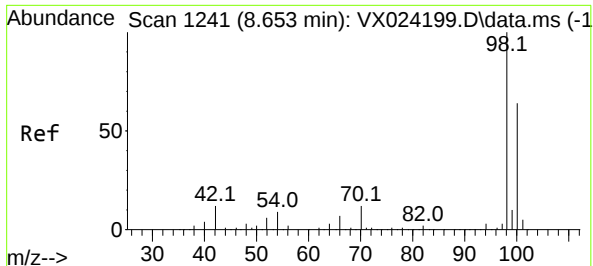


#41
Methacrylonitrile
Concen: 319.999 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.085 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49



Tgt Ion: 41 Resp: 424509
Ion Ratio Lower Upper
41 100
39 47.2 42.5 63.7
67 0.0 65.0 97.6#
52 0.1 25.3 37.9#





#50

Toluene-d8

Concen: 49.672 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024219.D

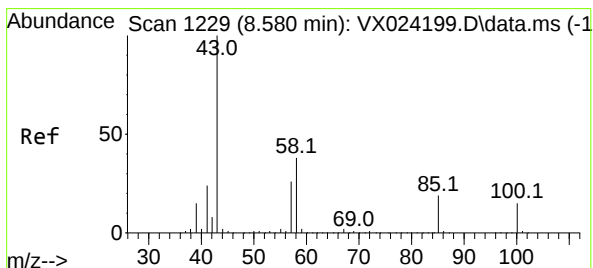
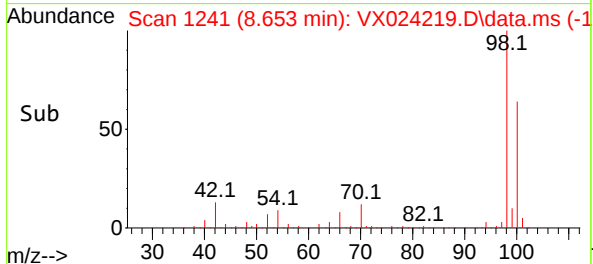
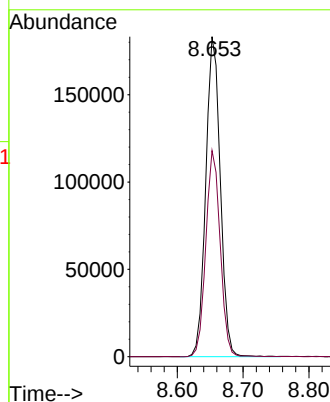
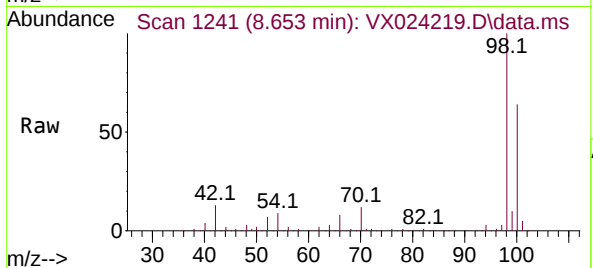
Acq: 14 Sep 2021 19:49

Tgt Ion: 98 Resp: 281788

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.377 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. -0.001 min

Lab File: VX024219.D

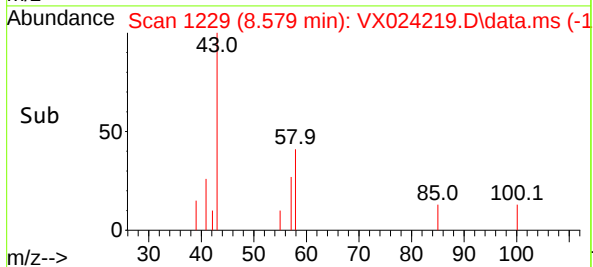
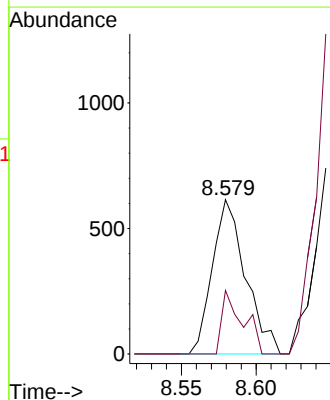
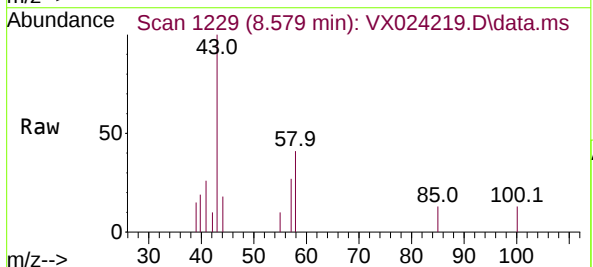
Acq: 14 Sep 2021 19:49

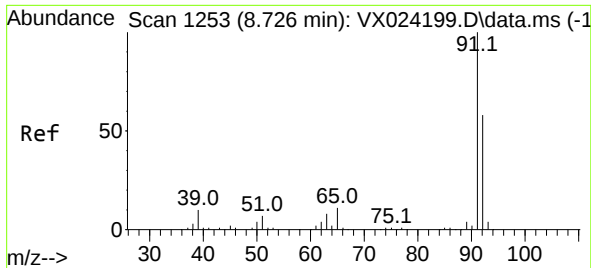
Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

58 25.9 35.4 53.0#

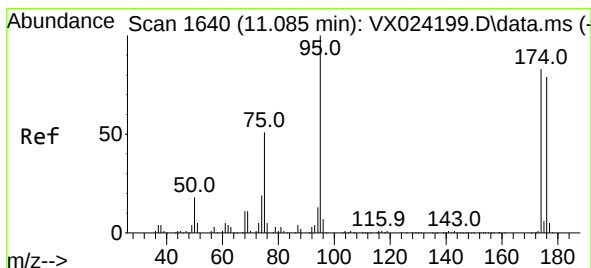
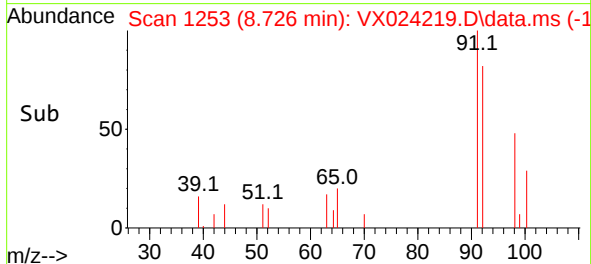
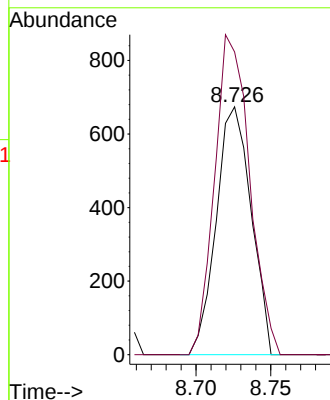
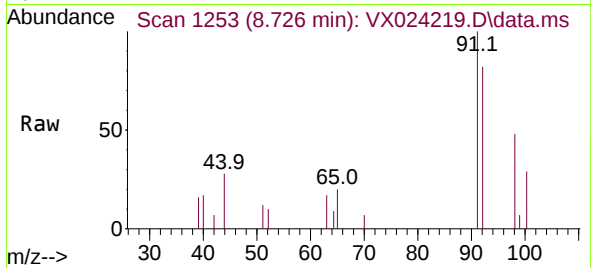




#52
Toluene
Concen: 0.273 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

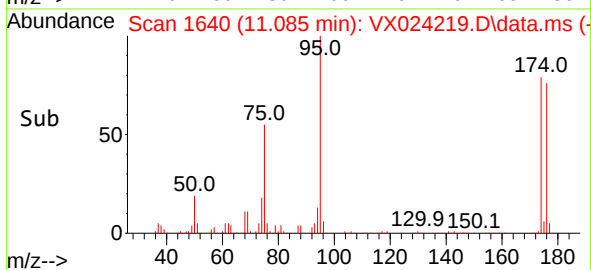
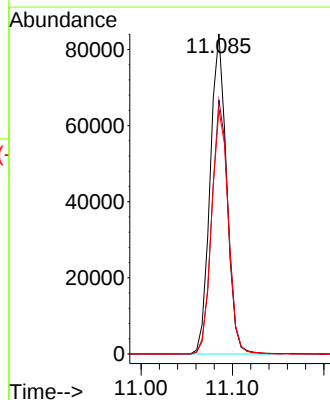
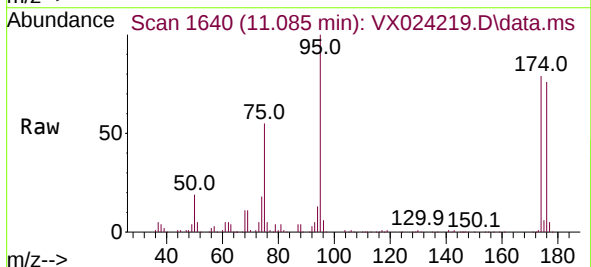
Instrument :
MSVOA_X
ClientSampled :
N42049

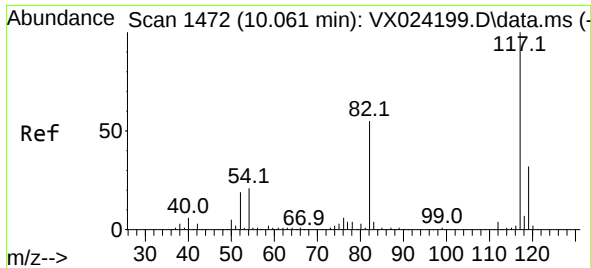
Tgt Ion: 92 Resp: 1095
Ion Ratio Lower Upper
92 100
91 129.5 137.1 205.7#



#62
4-Bromofluorobenzene
Concen: 47.378 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion: 95 Resp: 104598
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 77.6 0.0 155.8

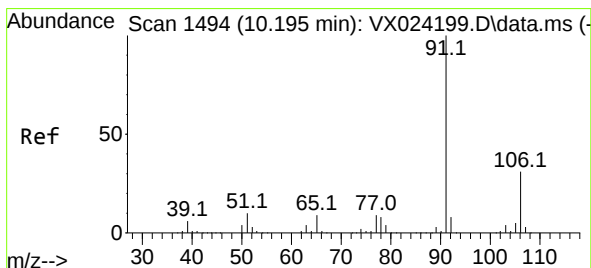
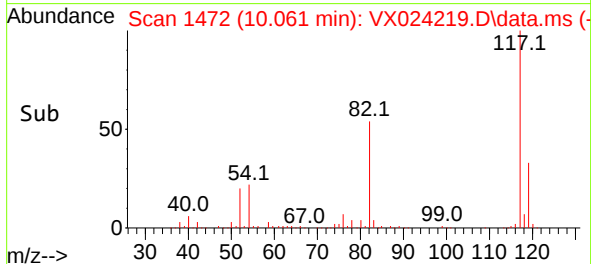
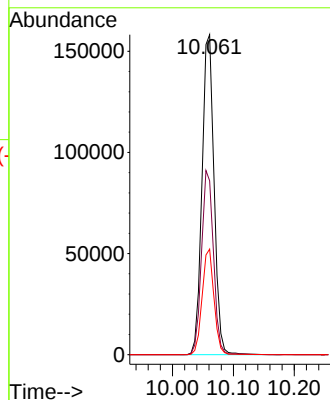
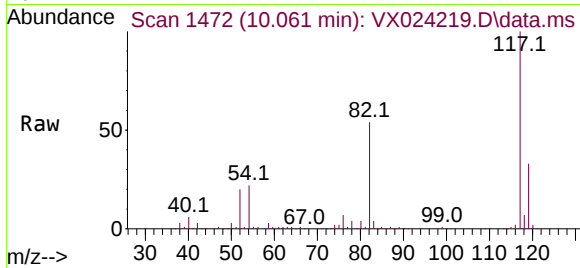




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

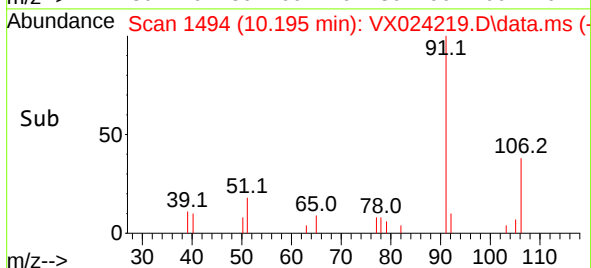
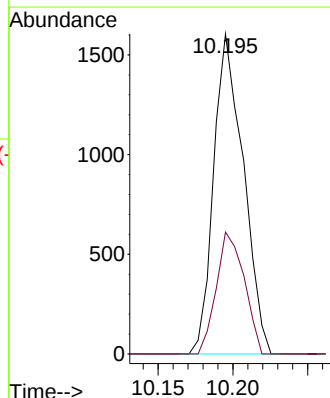
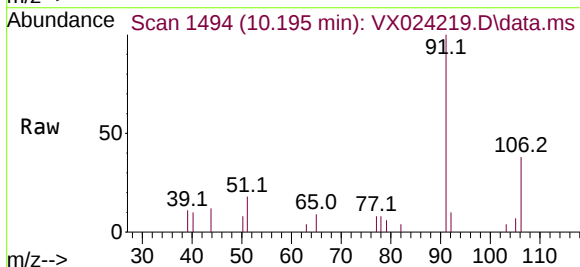
Instrument :
MSVOA_X
ClientSampleId :
N42049

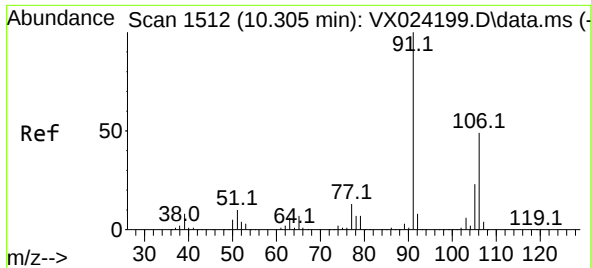
Tgt Ion:117 Resp: 217990
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 33.0 26.6 39.8



#67
Ethyl Benzene
Concen: 0.282 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion: 91 Resp: 2211
Ion Ratio Lower Upper
91 100
106 38.1 24.6 37.0#

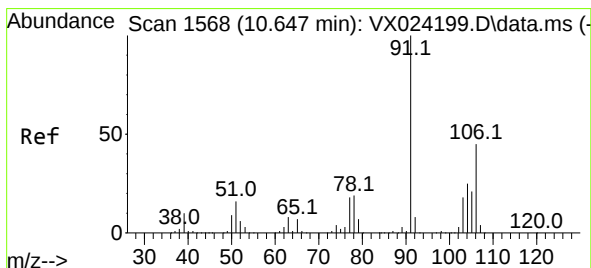
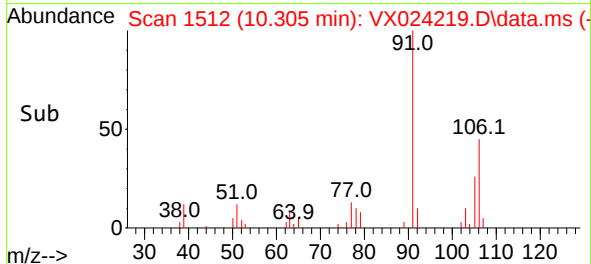
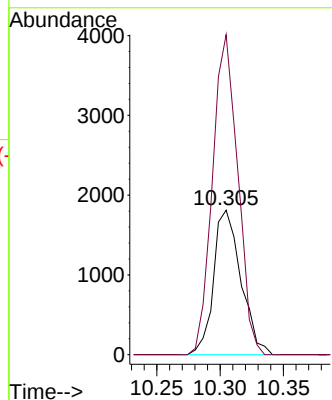
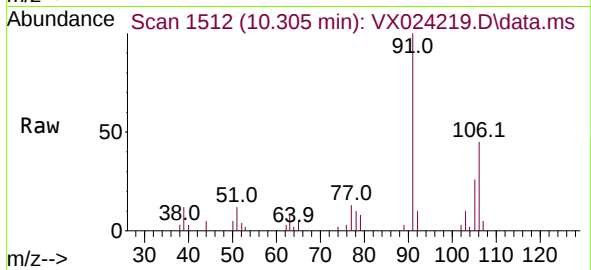




#68
m/p-Xylenes
Concen: 0.907 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

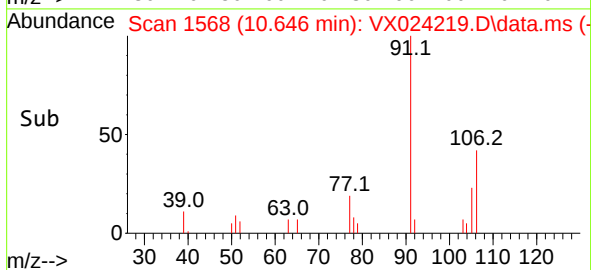
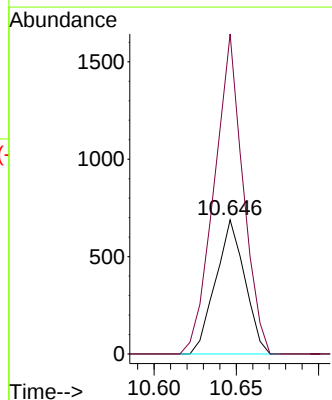
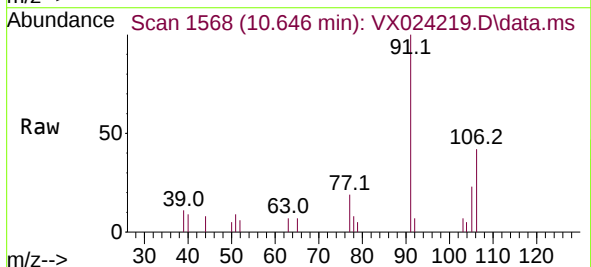
Instrument :
MSVOA_X
ClientSampleId :
N42049

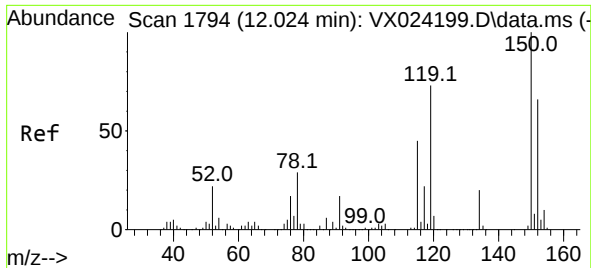
Tgt Ion:106 Resp: 2724
Ion Ratio Lower Upper
106 100
91 204.7 162.8 244.2



#69
o-Xylene
Concen: 0.284 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion:106 Resp: 851
Ion Ratio Lower Upper
106 100
91 235.5 108.1 324.2

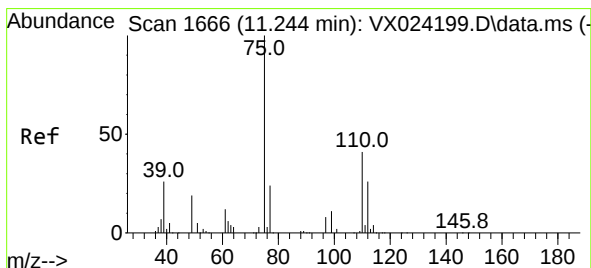
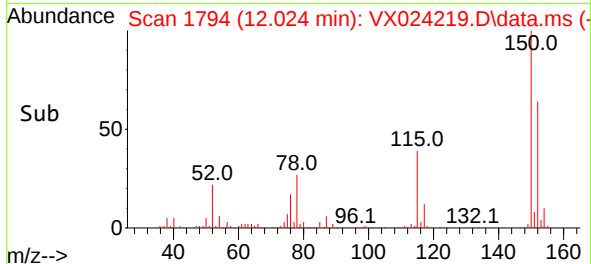
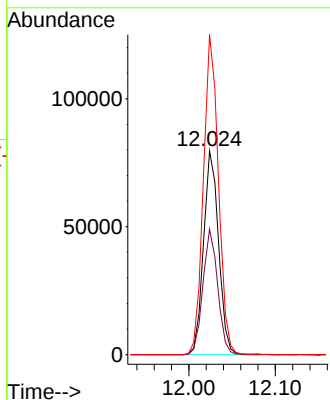
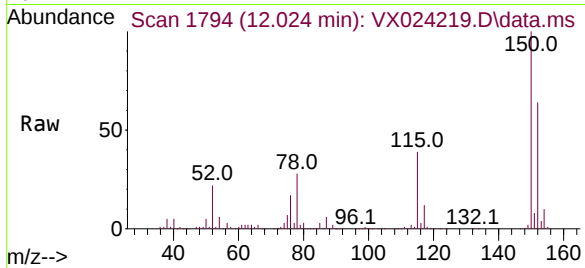




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX024219.D
 Acq: 14 Sep 2021 19:49

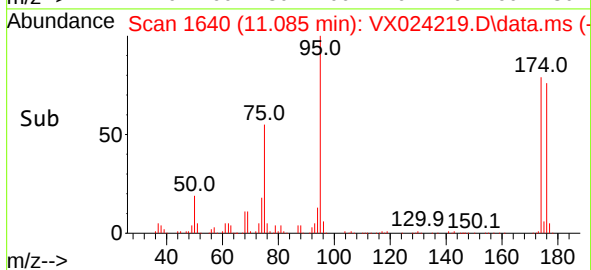
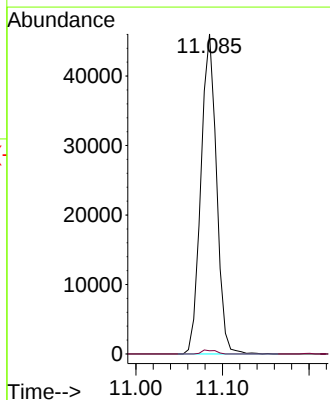
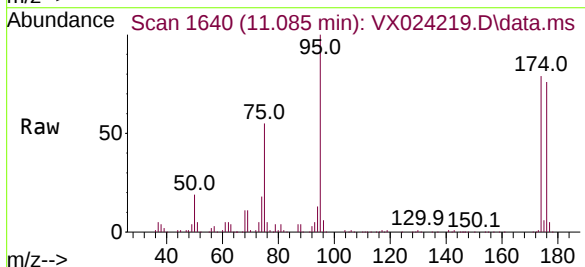
Instrument :
 MSVOA_X
 ClientSampleId :
 N42049

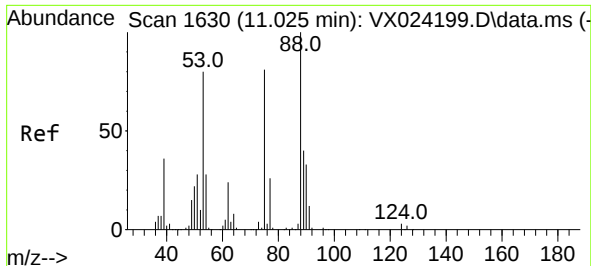
Tgt Ion:152 Resp: 96053
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.092 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024219.D
 Acq: 14 Sep 2021 19:49

Tgt Ion: 75 Resp: 57628
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

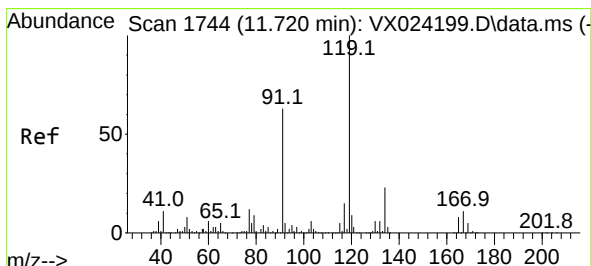
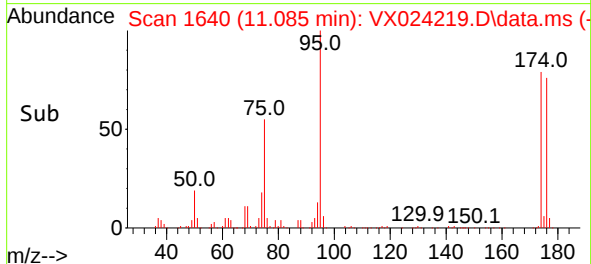
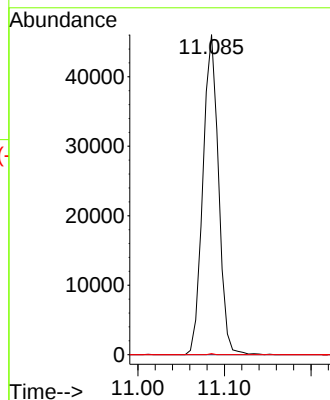
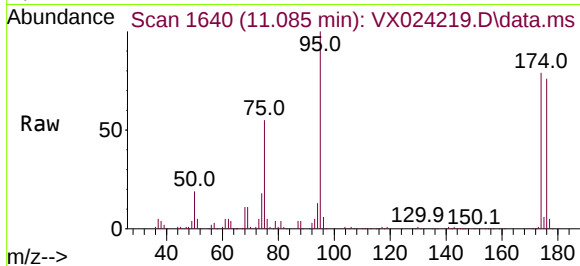




#81
trans-1,4-Dichloro-2-butene
Concen: 76.737 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

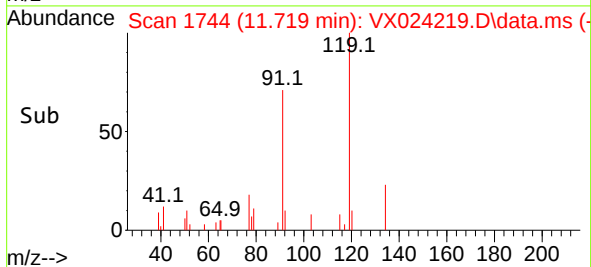
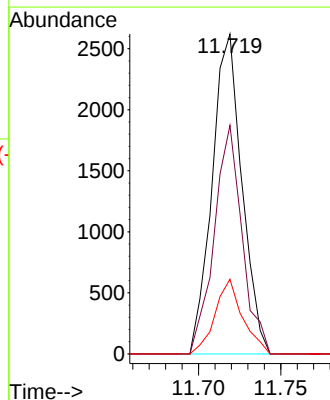
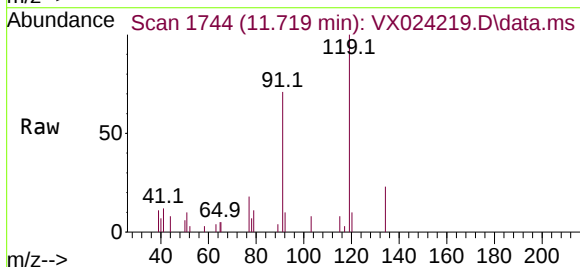
Instrument :
MSVOA_X
ClientSampled :
N42049

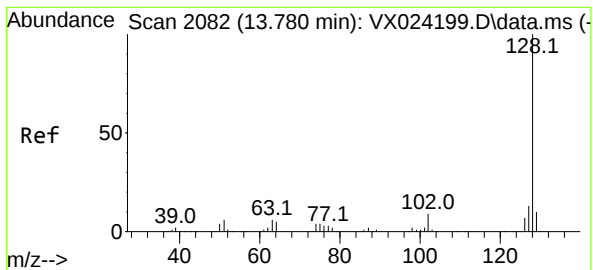
Tgt Ion: 75 Resp: 57628
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#83
tert-Butylbenzene
Concen: 0.567 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. -0.001 min
Lab File: VX024219.D
Acq: 14 Sep 2021 19:49

Tgt Ion: 119 Resp: 3302
Ion Ratio Lower Upper
119 100
91 66.9 27.9 83.7
134 21.7 11.3 33.9





#95
 Naphthalene
 Concen: 1.376 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX024219.D
 Acq: 14 Sep 2021 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 N42049

Tgt Ion:128 Resp: 628
 Ion Ratio Lower Upper
 128 100
 127 10.0 10.3 15.5#
 129 0.0 8.8 13.2#

