

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091521\
 Data File : VX024255.D
 Acq On : 15 Sep 2021 13:04
 Operator : JC/MD
 Sample : M3724-19 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33135

Quant Time: Sep 16 04:42:32 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)

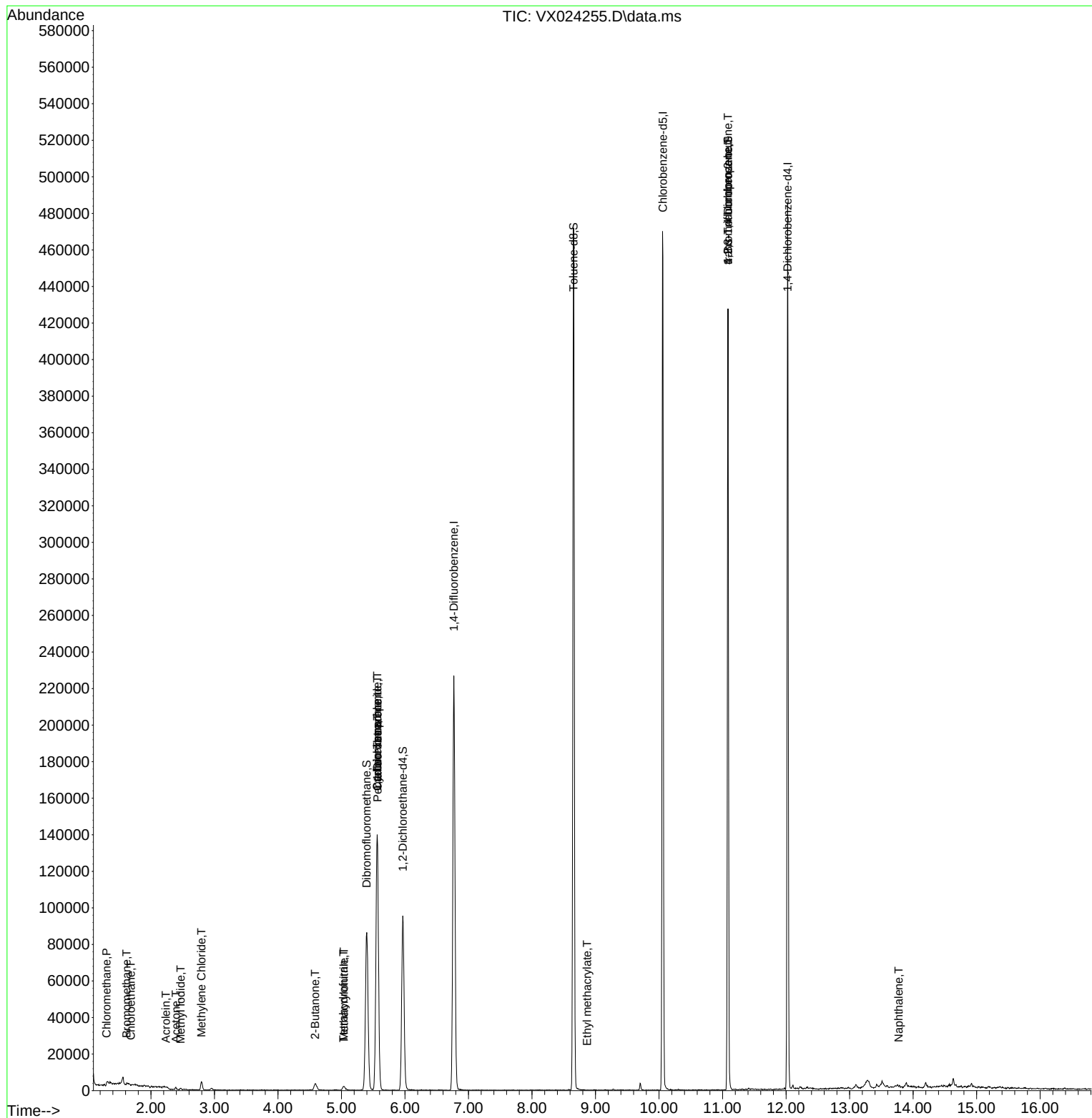
Internal Standards						
1) Pentafluorobenzene	5.568	168	130816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	221600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	215904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96689	51.833	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.660%	
35) Dibromofluoromethane	5.397	113	74507	50.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.260%	
50) Toluene-d8	8.653	98	276336	51.041	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	11.085	95	106350	50.476	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.960%	
Target Compounds						Qvalue
3) Chloromethane	1.300	50	287	0.219	ug/l #	83
5) Bromomethane	1.617	94	560	0.720	ug/l	97
6) Chloroethane	1.685	64	76	2.071	ug/l #	43
10) Methyl Iodide	2.465	142	996	0.559	ug/l #	93
11) Tert butyl alcohol	2.965	59	595	Below Cal	#	73
13) Acrolein	2.233	56	41	0.333	ug/l #	1
16) Acetone	2.392	43	1395	1.754	ug/l	91
20) Methylene Chloride	2.794	84	2068	1.354	ug/l	89
25) 2-Butanone	4.586	43	352	0.300	ug/l #	45
29) Tetrahydrofuran	5.032	42	1653	2.254	ug/l	92
31) Cyclohexane	5.562	56	3046	1.396	ug/l #	18
36) 1,1-Dichloropropene	5.562	75	10369	5.089	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13522	5.897	ug/l #	17
41) Methacrylonitrile	5.038	41	1260	0.995	ug/l #	43
56) Ethyl methacrylate	8.866	69	19	1.369	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	57070	25.186	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57070	74.073	ug/l #	12
95) Naphthalene	13.774	128	548	1.363	ug/l #	88

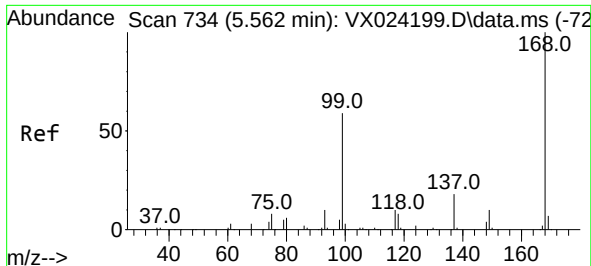
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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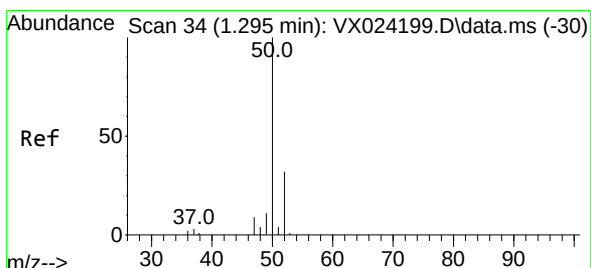
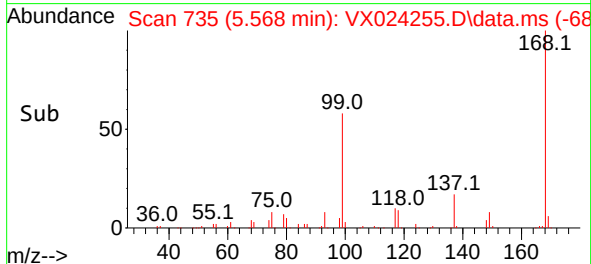
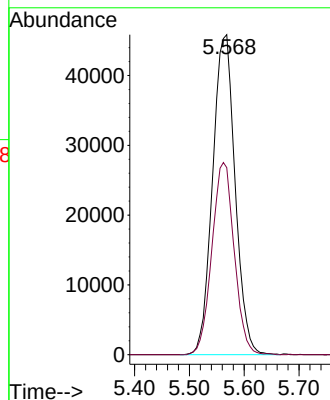
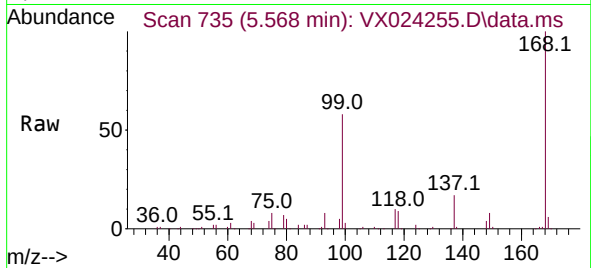




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

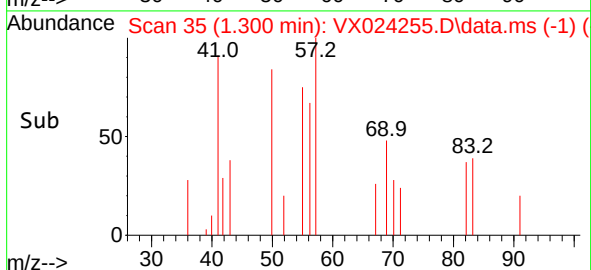
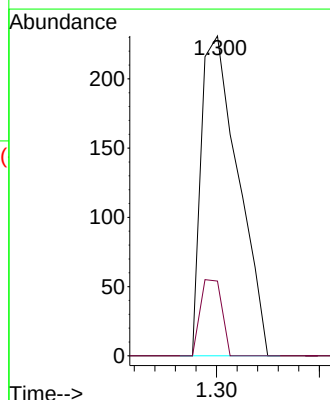
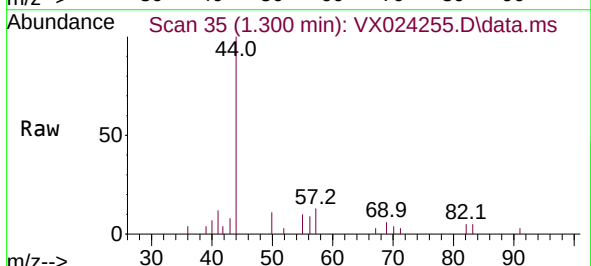
Instrument :
MSVOA_X
ClientSampleId :
33135

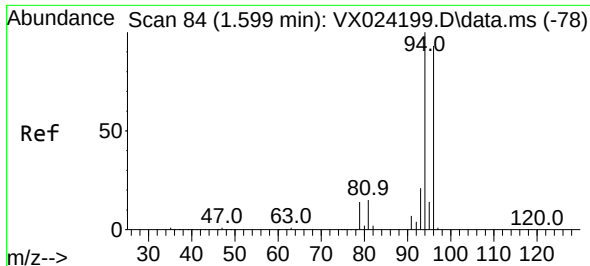
Tgt Ion:168 Resp: 130816
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 23.4 26.4 39.6#

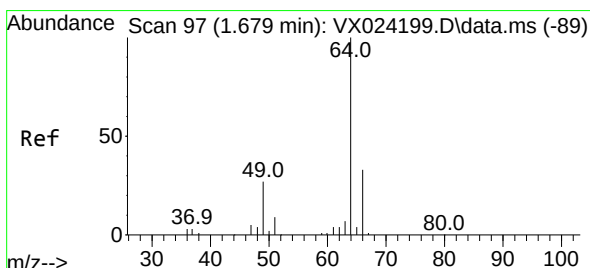
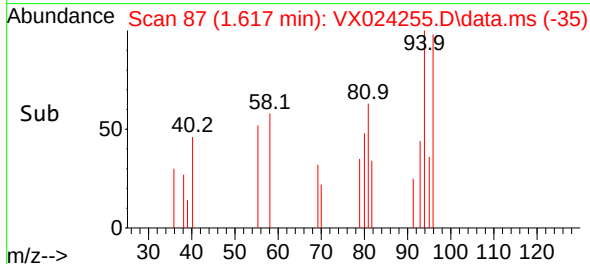
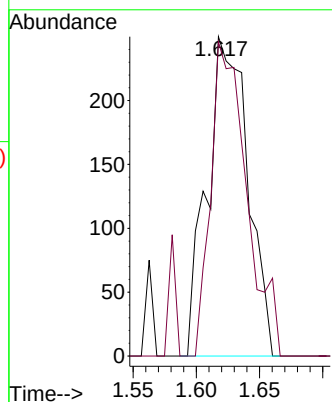
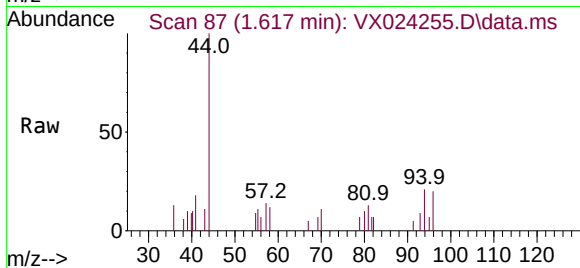




#5
Bromomethane
Concen: 0.720 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

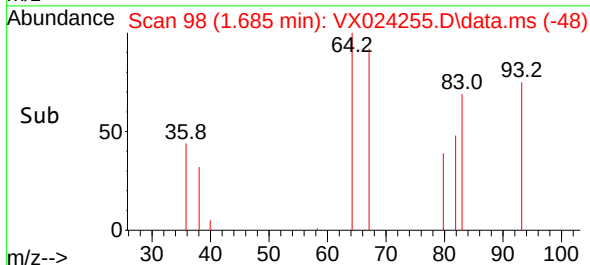
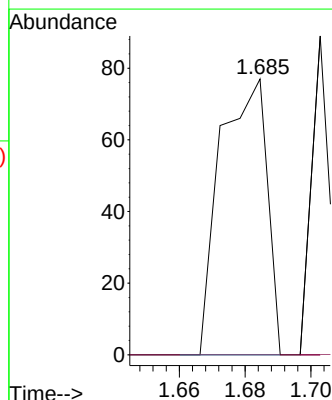
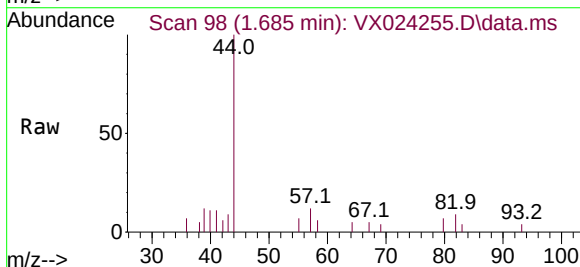
Instrument :
MSVOA_X
ClientSampled :
33135

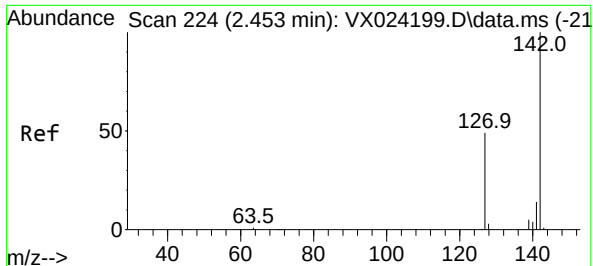
Tgt Ion: 94 Resp: 560
Ion Ratio Lower Upper
94 100
96 98.4 76.4 114.6



#6
Chloroethane
Concen: 2.071 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

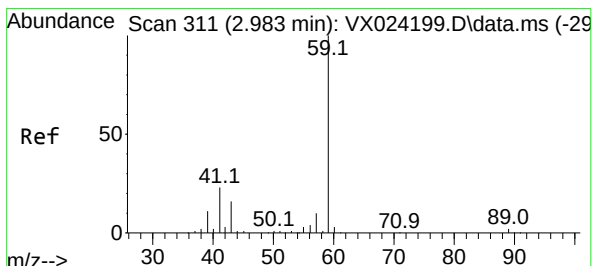
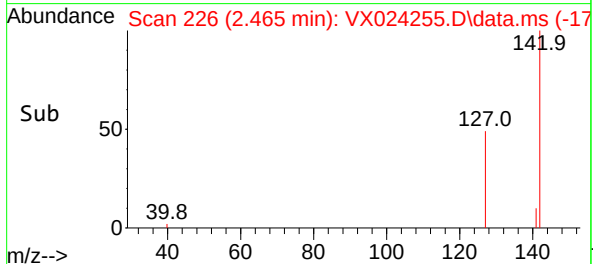
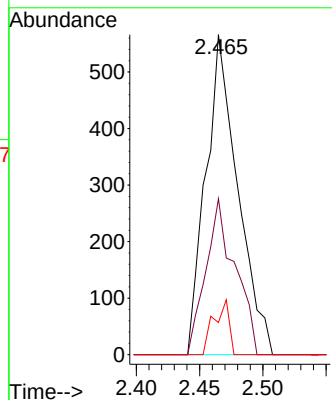
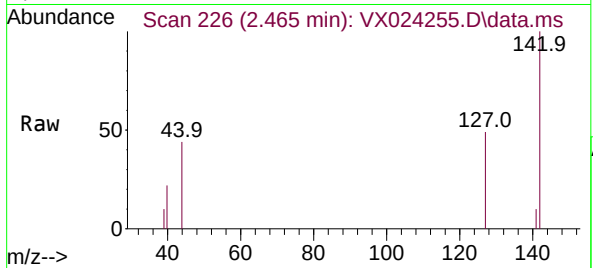




#10
Methyl Iodide
Concen: 0.559 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

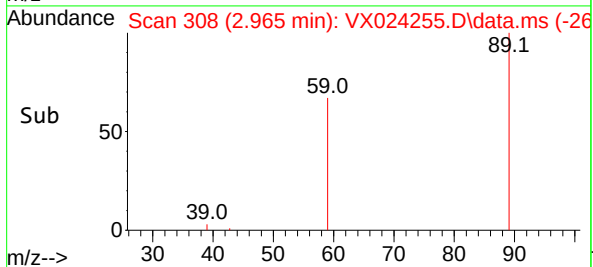
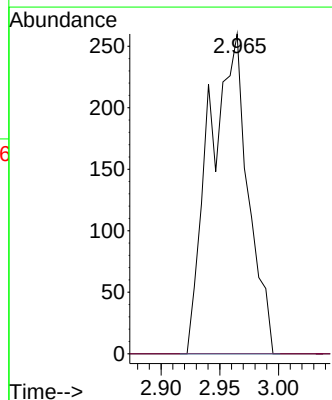
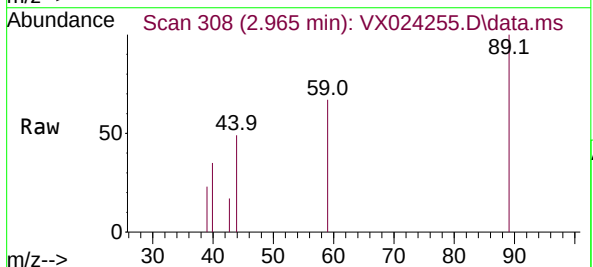
Instrument :
MSVOA_X
ClientSampled :
33135

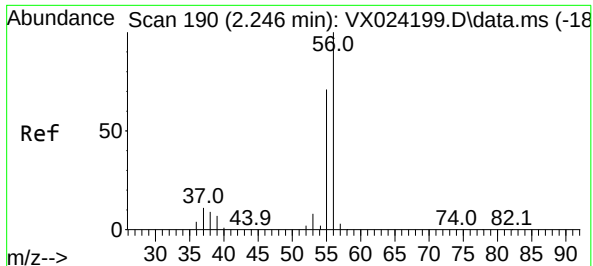
Tgt Ion:142 Resp: 996
Ion Ratio Lower Upper
142 100
127 44.6 33.3 49.9
141 8.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 59 Resp: 595
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

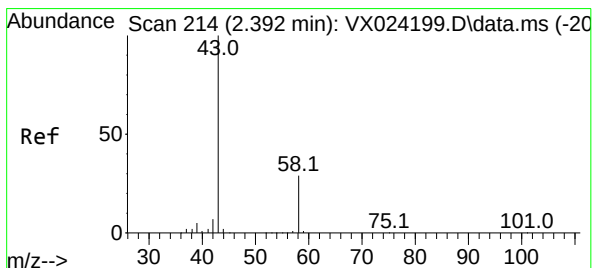
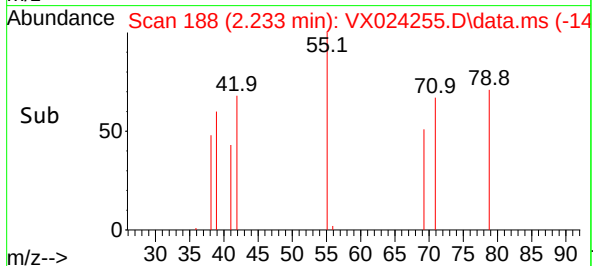
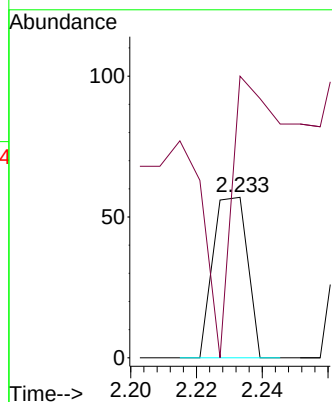
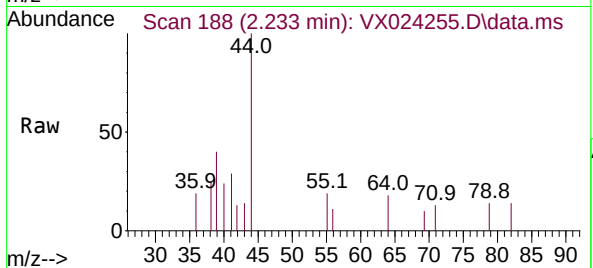




#13
Acrolein
Concen: 0.333 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.013 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

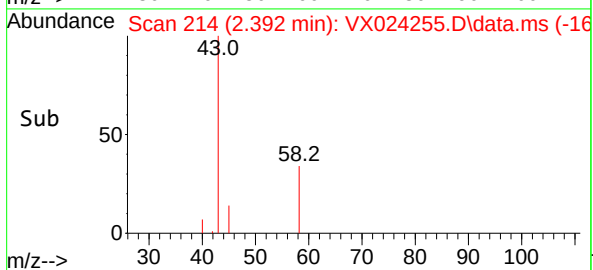
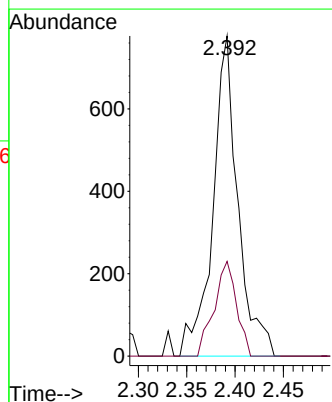
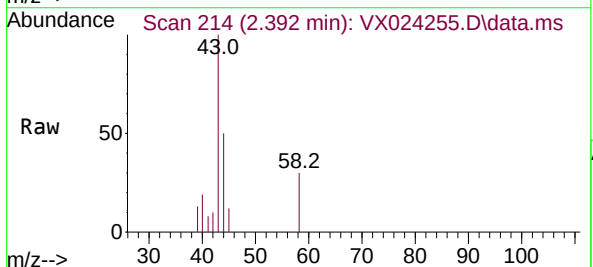
Instrument :
MSVOA_X
ClientSampleId :
33135

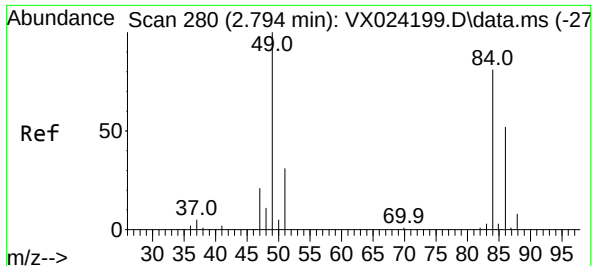
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 246.3 56.4 84.6#



#16
Acetone
Concen: 1.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 29.6 27.8 41.8





#20

Methylene Chloride

Concen: 1.354 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024255.D

Acq: 15 Sep 2021 13:04

Instrument :

MSVOA_X

ClientSampleId :

33135

Tgt Ion: 84 Resp: 2068

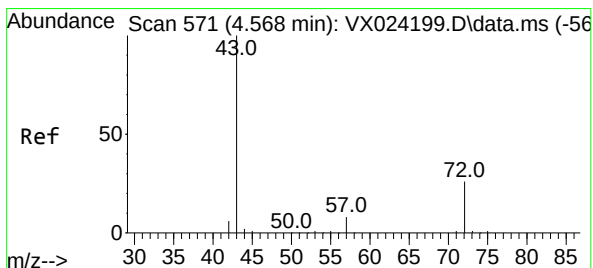
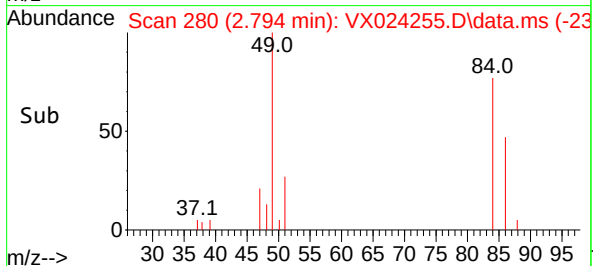
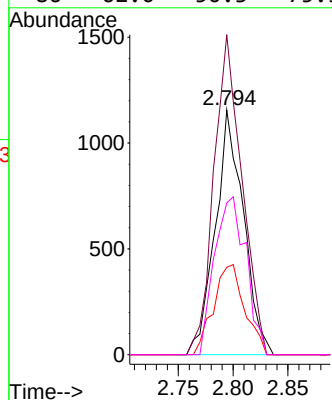
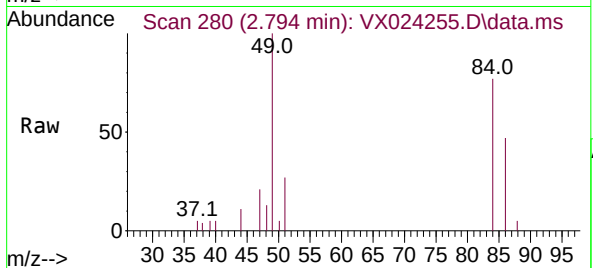
Ion Ratio Lower Upper

84 100

49 130.7 88.6 132.8

51 35.7 27.0 40.6

86 62.0 50.3 75.5



#25

2-Butanone

Concen: 0.300 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX024255.D

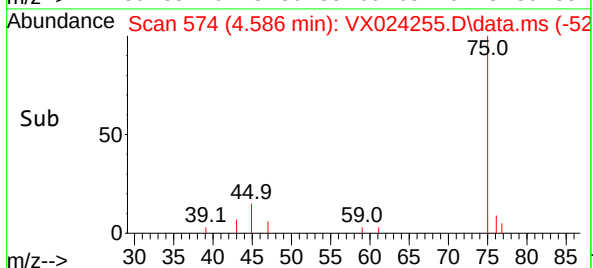
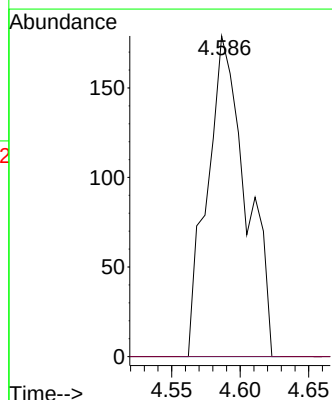
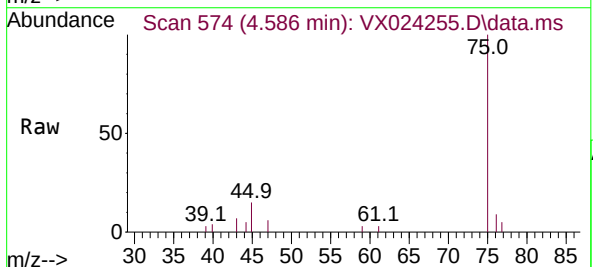
Acq: 15 Sep 2021 13:04

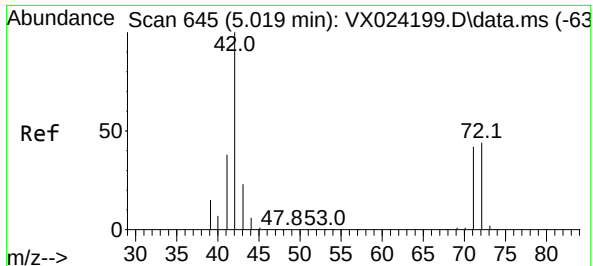
Tgt Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 2.254 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX024255.D

Acq: 15 Sep 2021 13:04

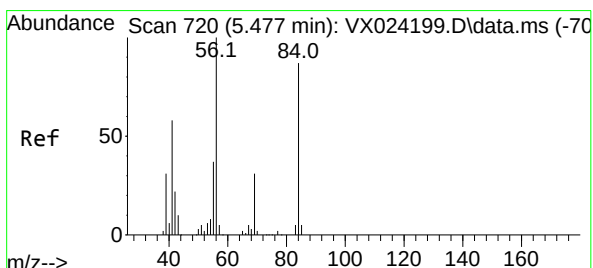
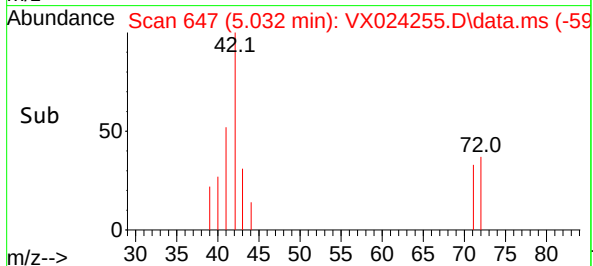
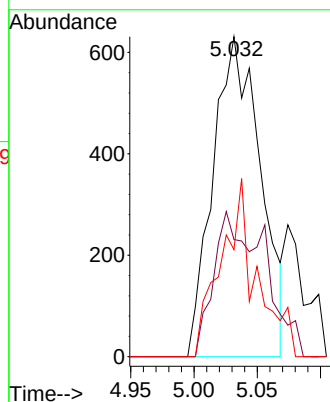
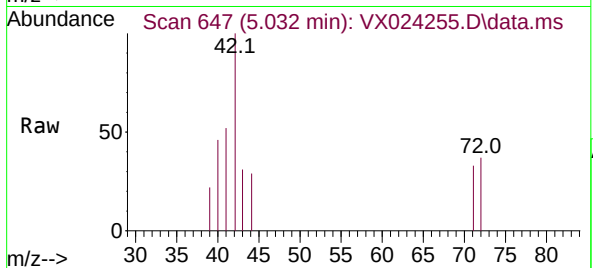
Instrument :

MSVOA_X

ClientSampleId :

33135

Tgt Ion:	42	Resp:	1653
Ion	Ratio	Lower	Upper
42	100		
72	48.2	41.7	62.5
71	41.1	38.4	57.6



#31

Cyclohexane

Concen: 1.396 ug/l

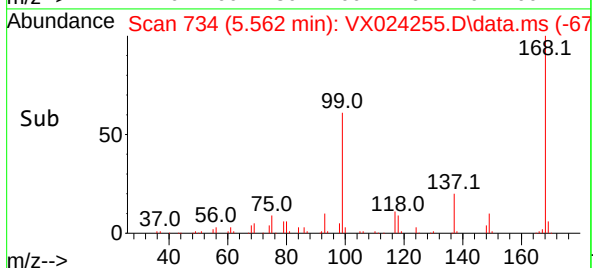
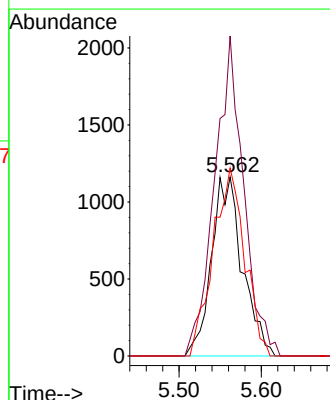
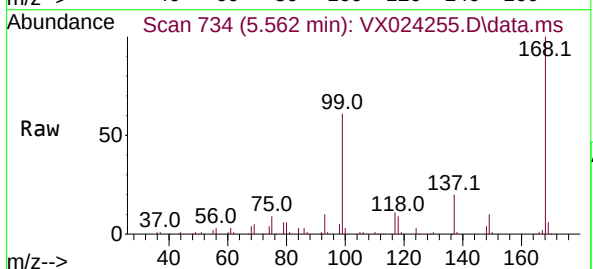
RT: 5.562 min Scan# 734

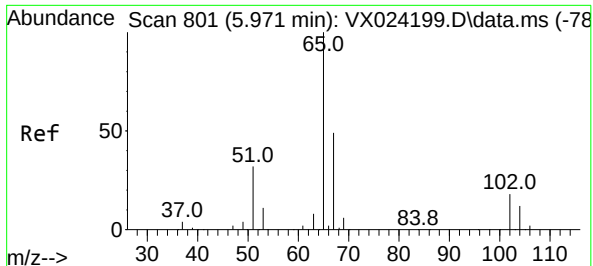
Delta R.T. 0.085 min

Lab File: VX024255.D

Acq: 15 Sep 2021 13:04

Tgt Ion:	56	Resp:	3046
Ion	Ratio	Lower	Upper
56	100		
69	178.8	25.3	37.9#
84	105.1	71.4	107.0



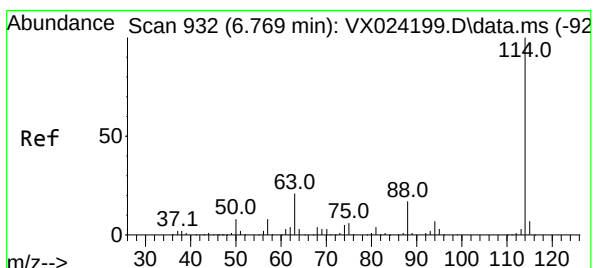
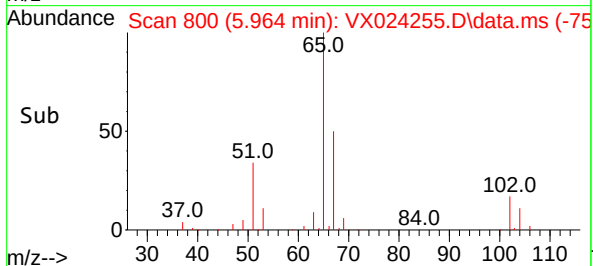
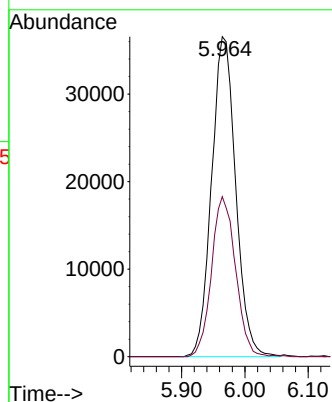
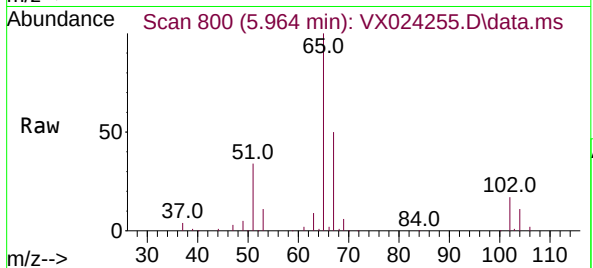


#33

1,2-Dichloroethane-d4
Concen: 51.833 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Instrument :
MSVOA_X
ClientSampleId :
33135

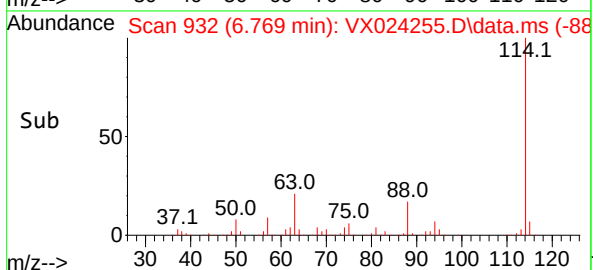
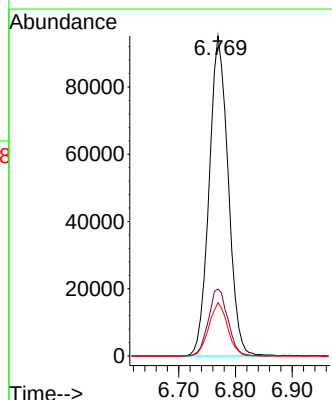
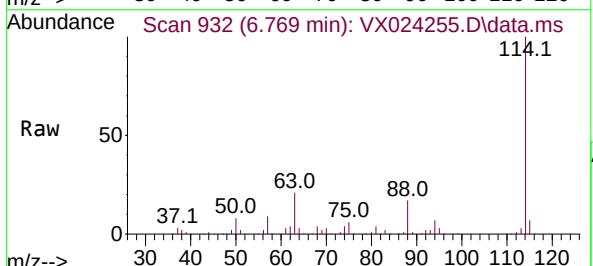
Tgt Ion: 65 Resp: 96689
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

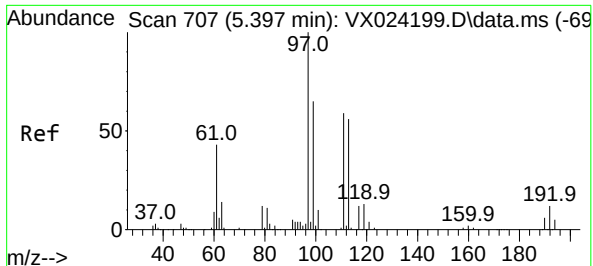


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 114 Resp: 221600
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.6 0.0 32.8

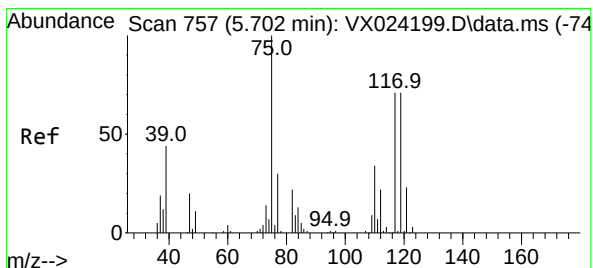
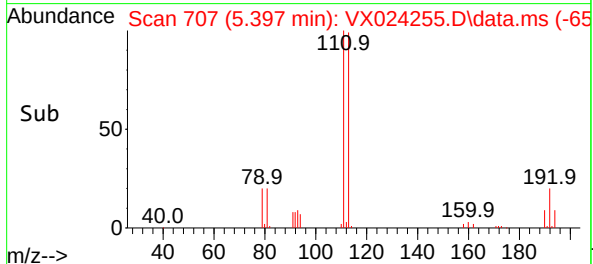
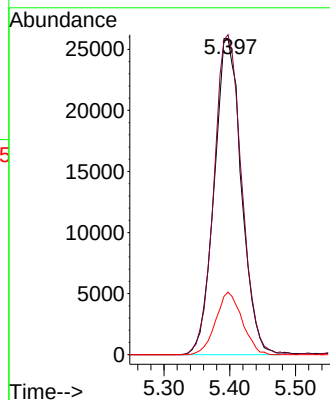
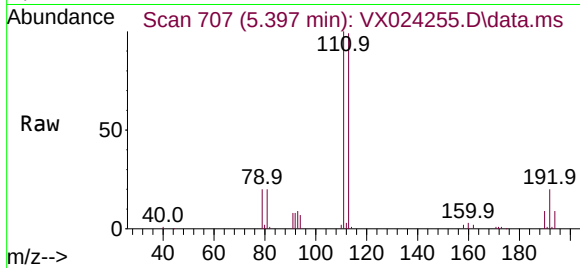




#35
Dibromofluoromethane
Concen: 50.134 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

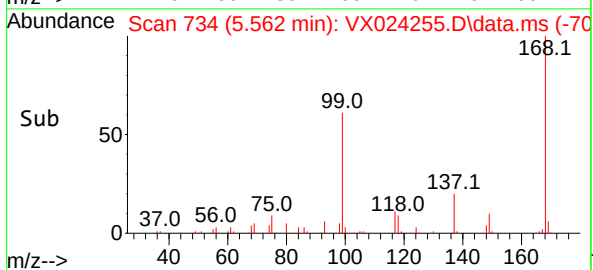
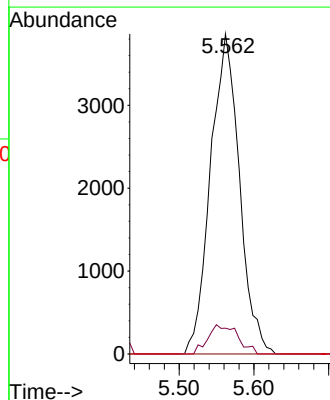
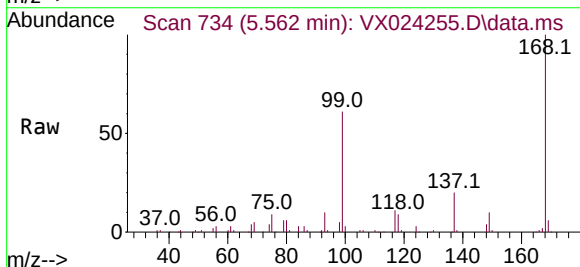
Instrument :
MSVOA_X
ClientSampleId :
33135

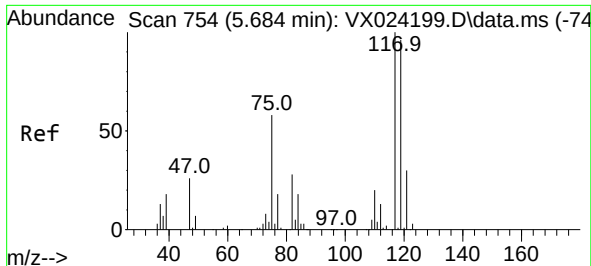
Tgt Ion:	113	Resp:	74507
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	19.2	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

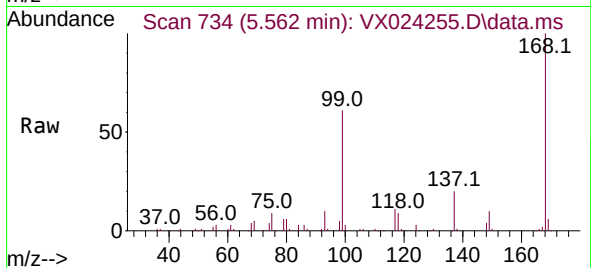
Tgt Ion:	75	Resp:	10369
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	25.3	37.9#



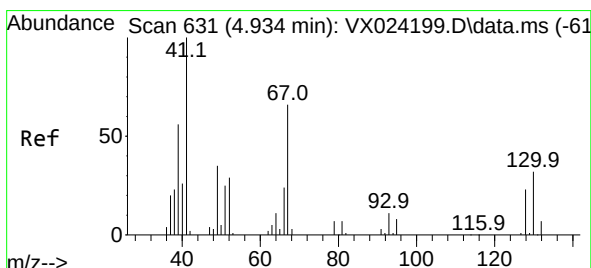
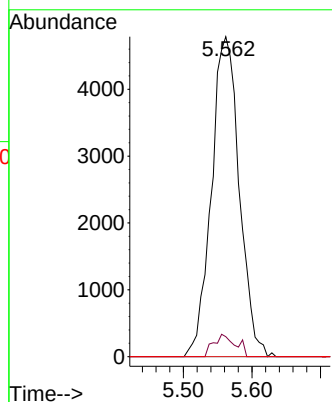
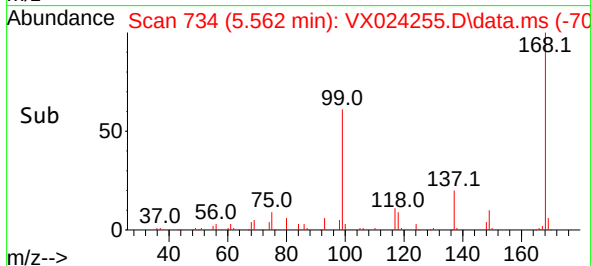


#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

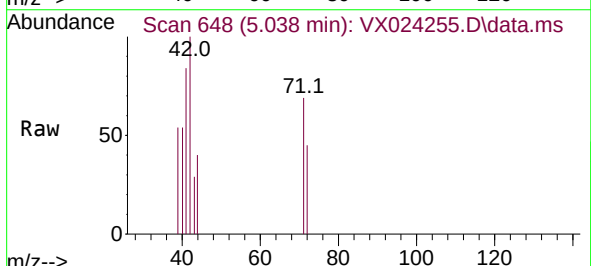
Instrument :
MSVOA_X
ClientSampleId :
33135



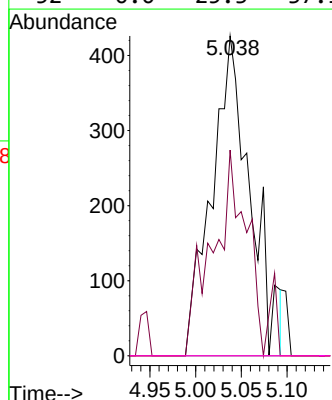
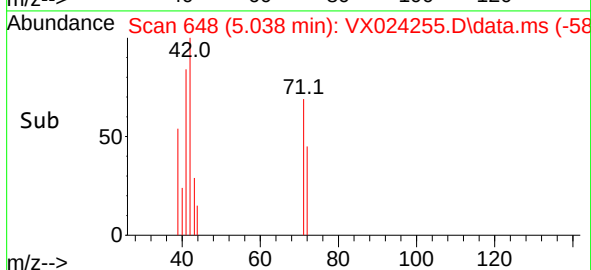
Tgt Ion:117 Resp: 13522
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

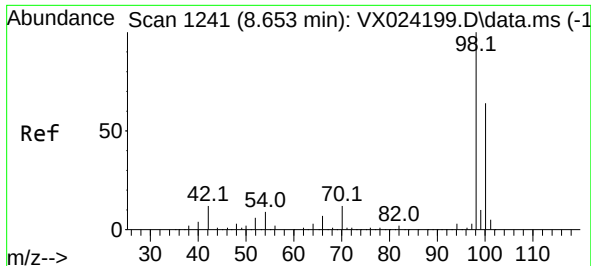


#41
Methacrylonitrile
Concen: 0.995 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04



Tgt Ion: 41 Resp: 1260
Ion Ratio Lower Upper
41 100
39 56.4 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

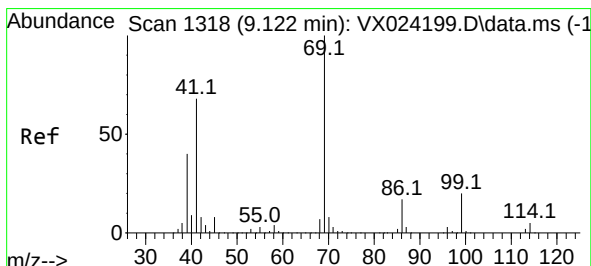
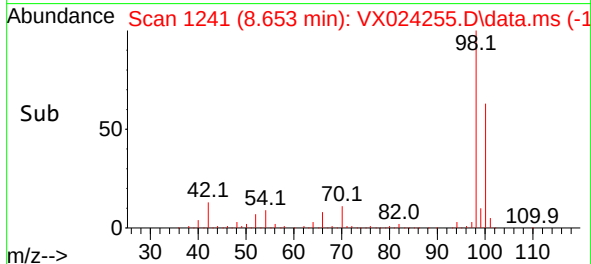
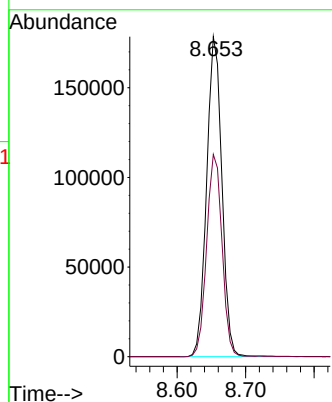
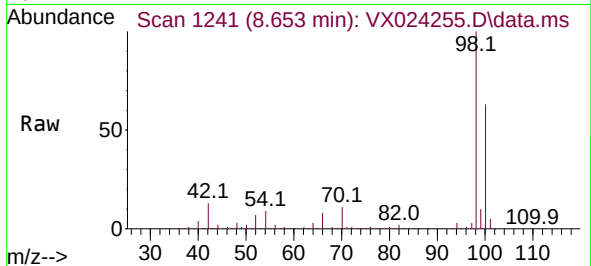




#50
Toluene-d8
Concen: 51.041 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

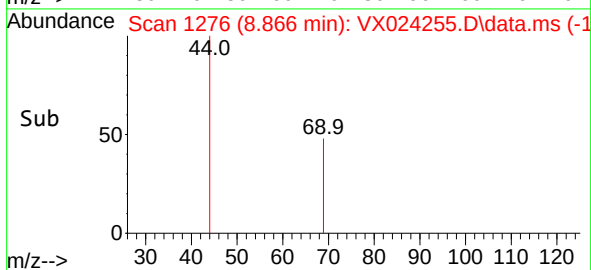
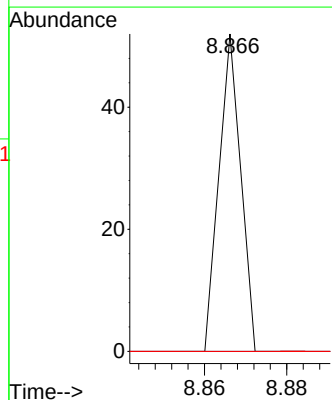
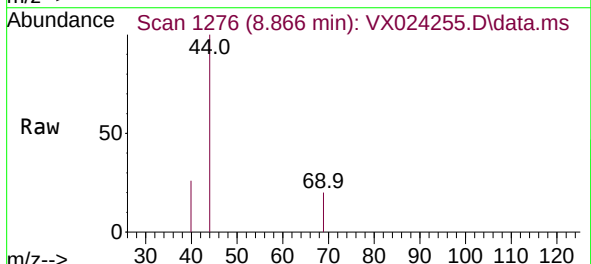
Instrument :
MSVOA_X
ClientSampleId :
33135

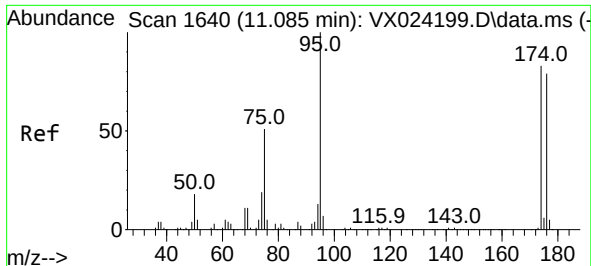
Tgt Ion: 98 Resp: 276336
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#56
Ethyl methacrylate
Concen: 1.369 ug/l
RT: 8.866 min Scan# 1276
Delta R.T. -0.256 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

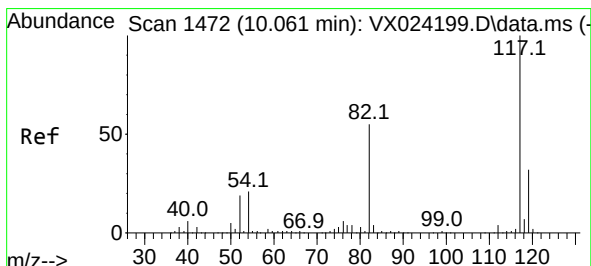
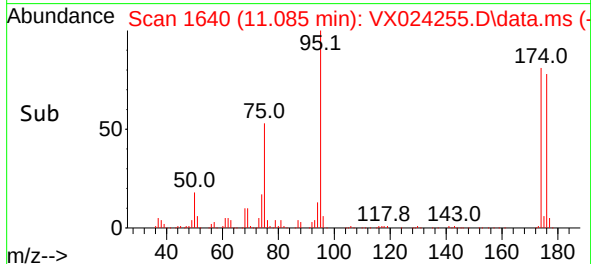
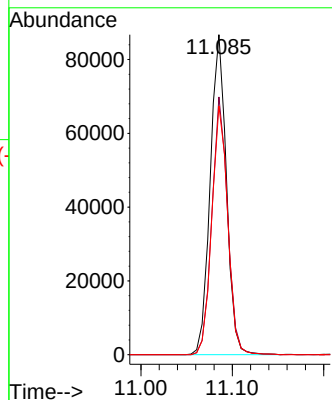
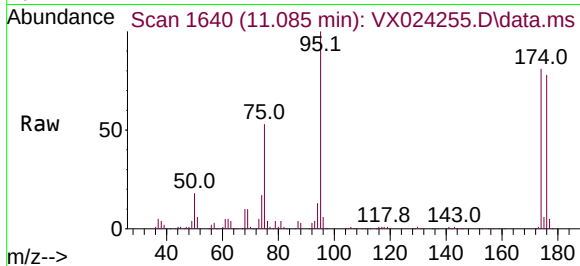




#62
4-Bromofluorobenzene
Concen: 50.476 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

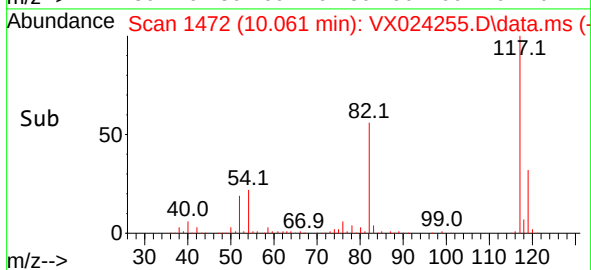
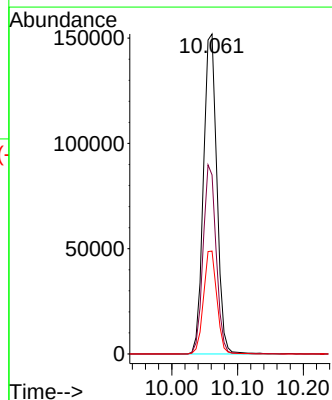
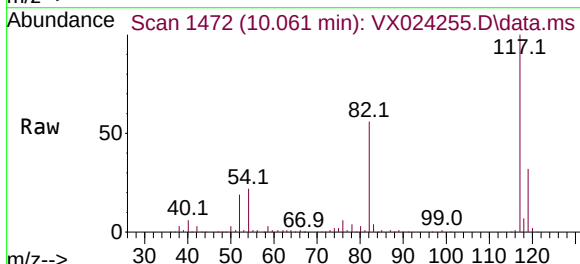
Instrument :
MSVOA_X
ClientSampled :
33135

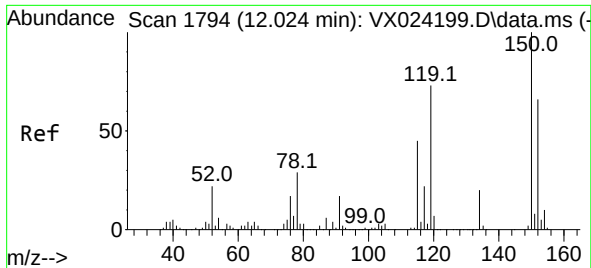
Tgt Ion: 95 Resp: 106350
Ion Ratio Lower Upper
95 100
174 78.2 0.0 154.6
176 76.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 117 Resp: 215904
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 32.1 26.6 39.8

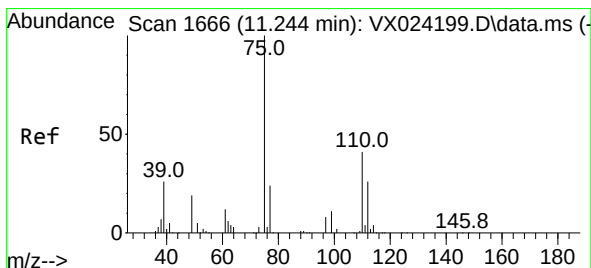
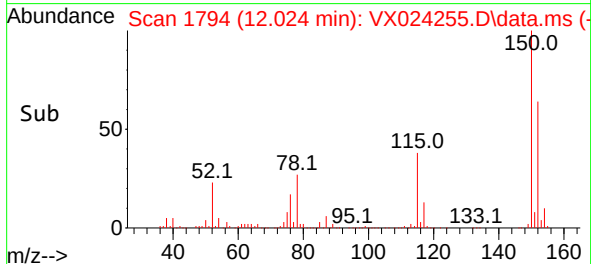
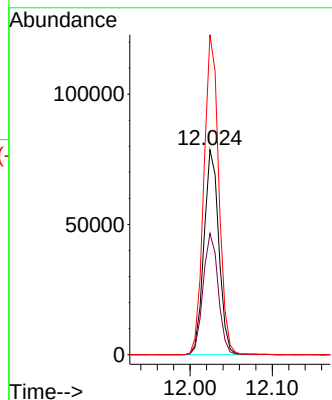
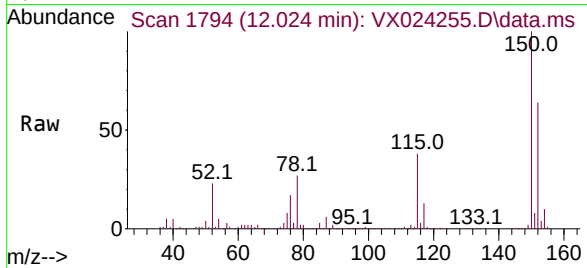




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024255.D
 Acq: 15 Sep 2021 13:04

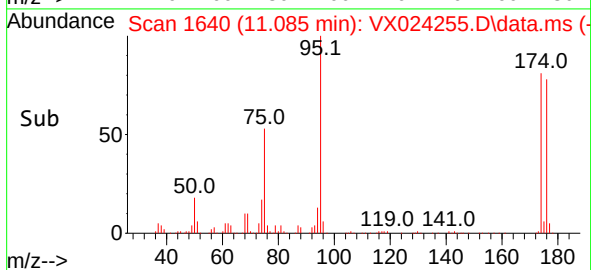
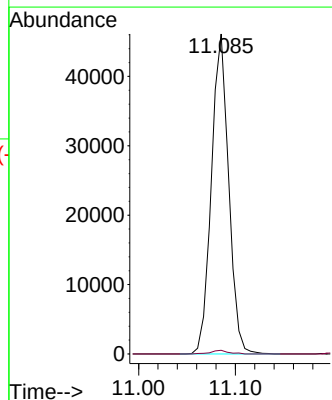
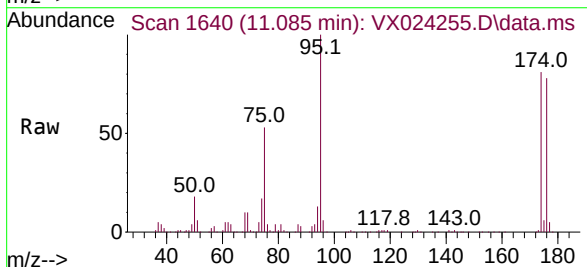
Instrument :
 MSVOA_X
 ClientSampled :
 33135

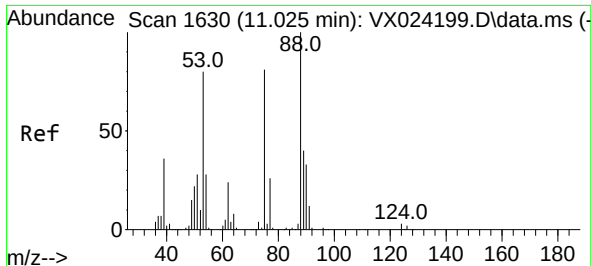
Tgt Ion:152 Resp: 98543
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.1 123.3
 150 156.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.186 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024255.D
 Acq: 15 Sep 2021 13:04

Tgt Ion: 75 Resp: 57070
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

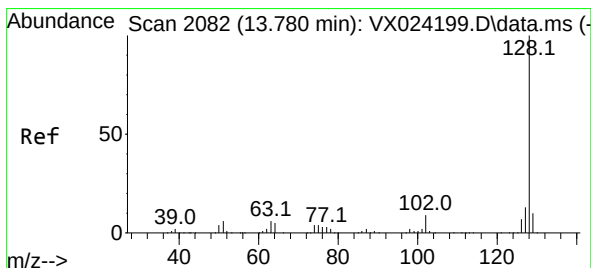
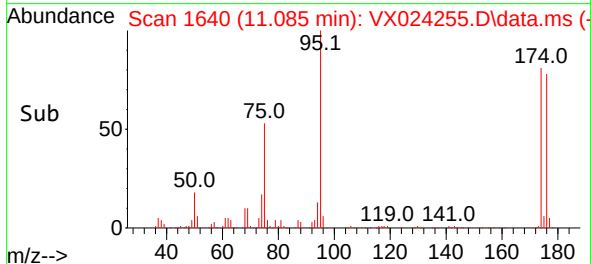
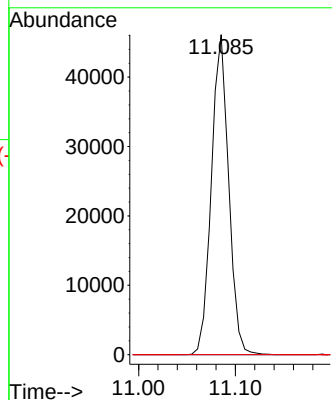
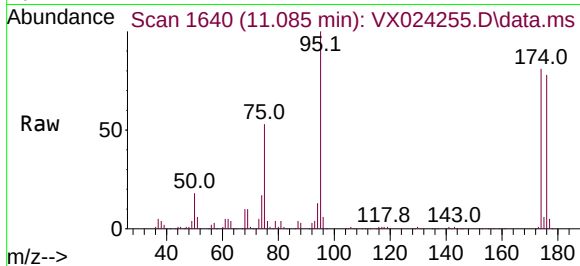




#81
trans-1,4-Dichloro-2-butene
Concen: 74.073 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Instrument :
MSVOA_X
ClientSampleId :
33135

Tgt Ion: 75 Resp: 57070
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.363 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX024255.D
Acq: 15 Sep 2021 13:04

Tgt Ion: 128 Resp: 548
Ion Ratio Lower Upper
128 100
127 8.4 10.3 15.5#
129 6.0 8.8 13.2#

