

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112321\
 Data File : VW023685.D
 Acq On : 23 Nov 2021 20:53
 Operator : SY/MD
 Sample : M4723-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 24 05:02:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 24 04:42:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	139253	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	135718	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63250	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	52297	4.575	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.568	69	42277	4.705	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.108	63	71059	3.527	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	3.896	46	91488	66.573	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.140%#
24) Chloroform-d	4.349	84	97174	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.034	65	46219	4.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.050	84	183509	4.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.069	67	53720	5.183	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.317	98	163019	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.625	79	19403	4.644	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.088	63	71068	51.199	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.400%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	36067	4.836	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	61882	5.534	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	850	0.074	ug/L	88
8) Chloroethane	1.442	64	97890	12.806	ug/L #	53
12) 1,1-Dichloroethene	2.114	96	709	0.076	ug/L #	1
14) Carbon disulfide	2.298	76	1880	0.060	ug/L #	93
15) Methyl Acetate	2.439	43	762	0.271	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	2367	0.124	ug/L #	39
22) cis-1,2-Dichloroethene	3.918	96	766	0.075	ug/L	79
27) 1,2-Dichloroethane	5.053	62	1316	0.124	ug/L #	73
35) Methylcyclohexane	6.069	83	14771	0.914	ug/L #	19
37) 1,2-Dichloropropane	6.076	63	6551	0.712	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1715	0.131	ug/L #	57
42) Toluene	7.397	91	3477	0.083	ug/L	92
52) Ethylbenzene	9.021	91	3277	0.075	ug/L #	82
53) m,p-xylene	9.140	106	5205	0.298	ug/L	92
54) o-xylene	9.545	106	6532	0.393	ug/L	91
60) Isopropylbenzene	9.545	105	3468	0.092	ug/L #	36
61) 1,2,3-Trichloropropane	11.249	75	6017	1.341	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.246	75	69	0.077	ug/L #	1
71) Naphthalene	13.516	128	796	0.051	ug/L #	69

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ClientSampleId :

Quant Time: Nov 24 05:02:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 24 04:42:45 2021
Response via : Initial Calibration

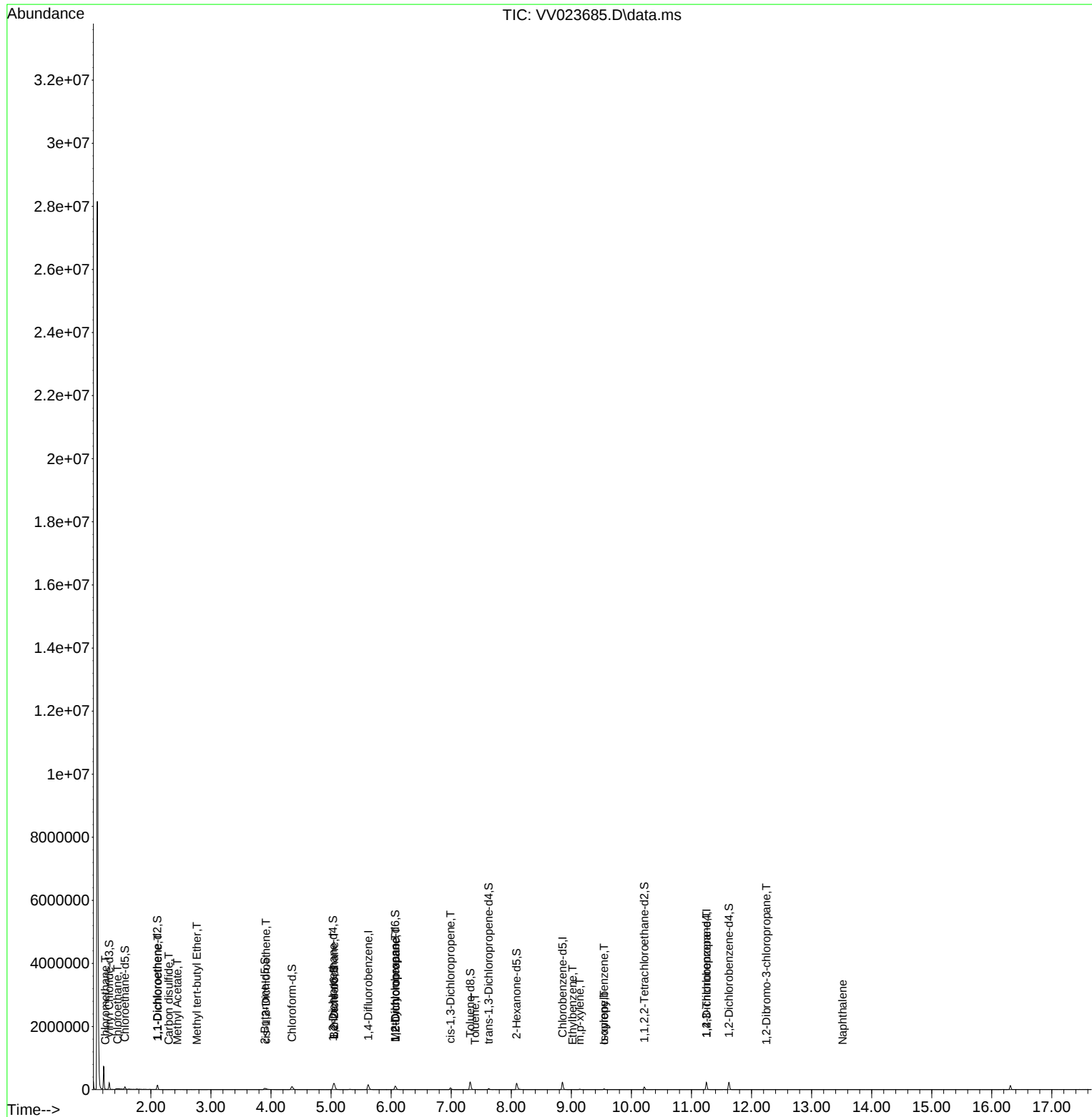
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

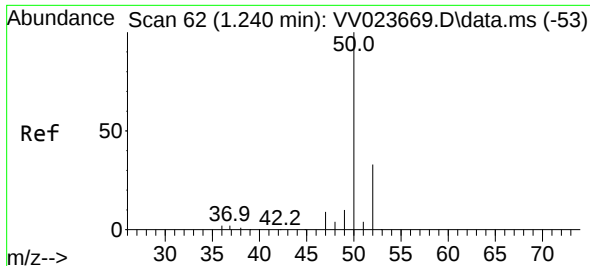
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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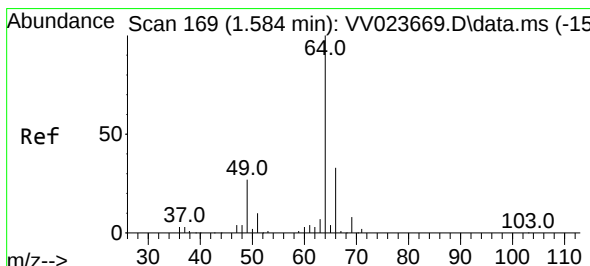
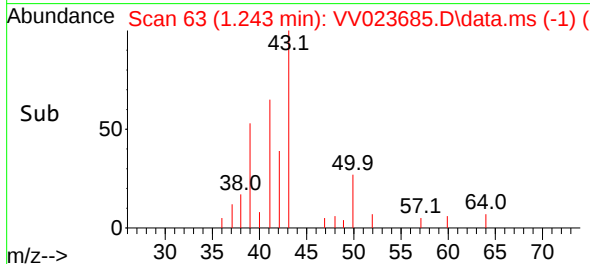
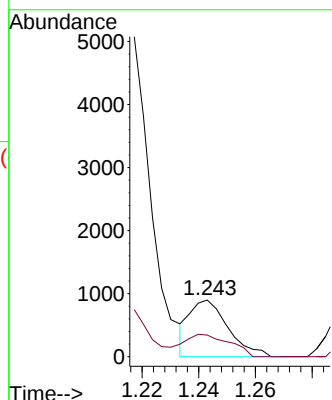
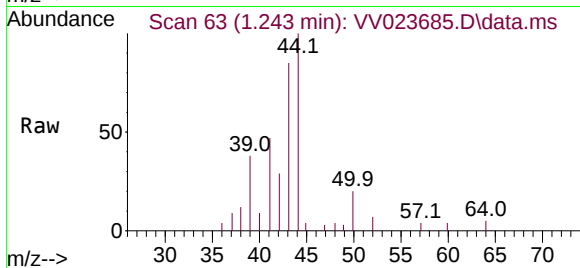




#3
Chloromethane
Concen: 0.074 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

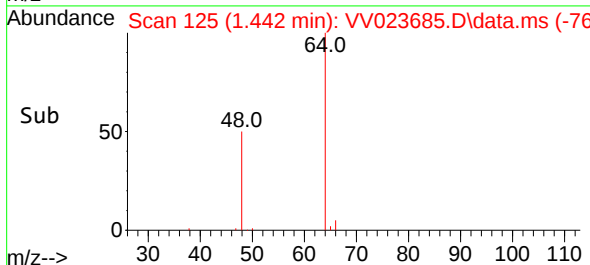
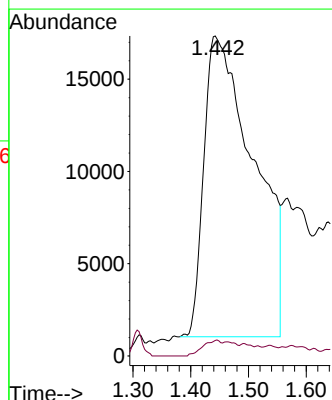
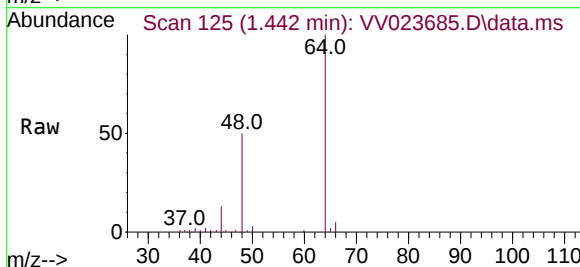
Instrument :
MSVOA_V
ClientSampleId :

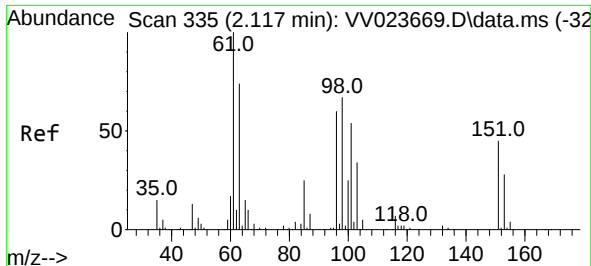
Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 38.0 22.0 41.0



#8
Chloroethane
Concen: 12.806 ug/L
RT: 1.442 min Scan# 125
Delta R.T. -0.141 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

Tgt Ion: 64 Resp: 97890
Ion Ratio Lower Upper
64 100
66 4.9 21.4 39.8#

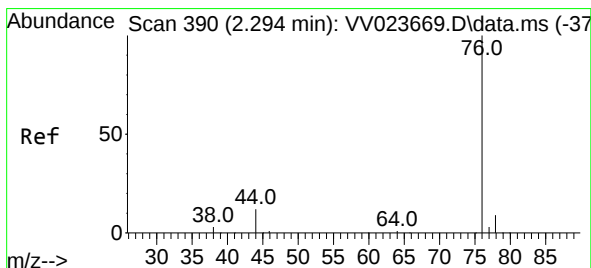
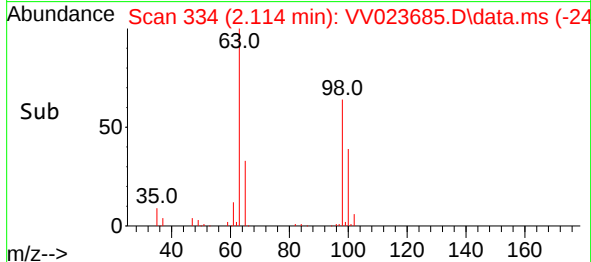
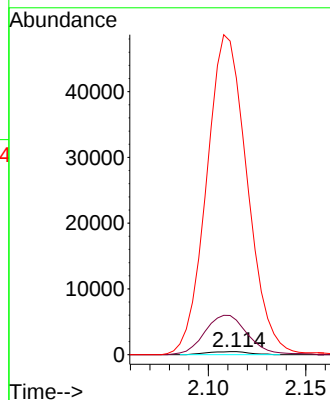
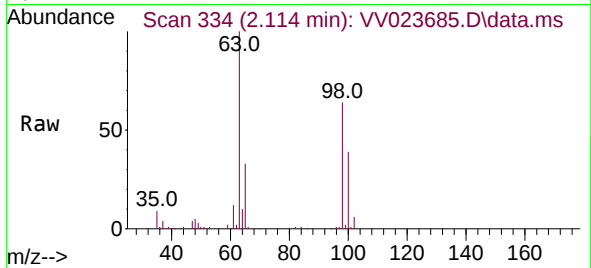




#12
1,1-Dichloroethene
Concen: 0.076 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

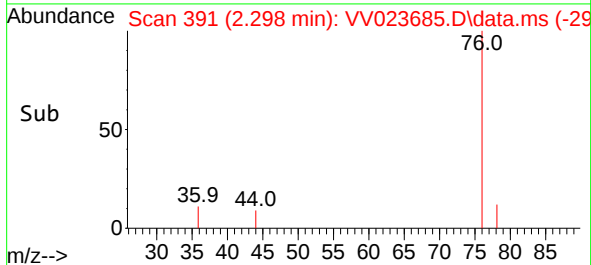
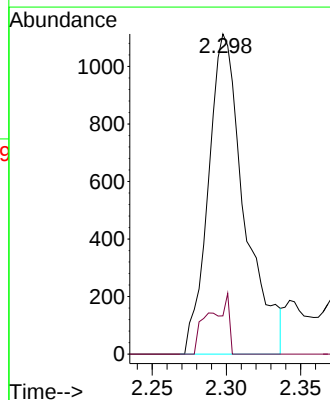
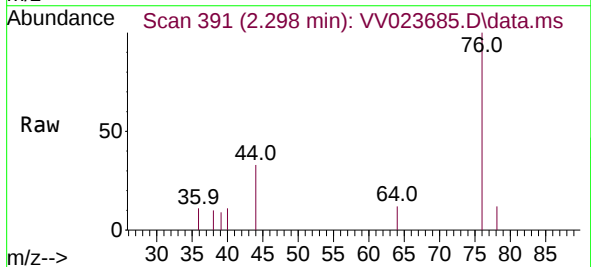
Instrument :
MSVOA_V
ClientSampleId :

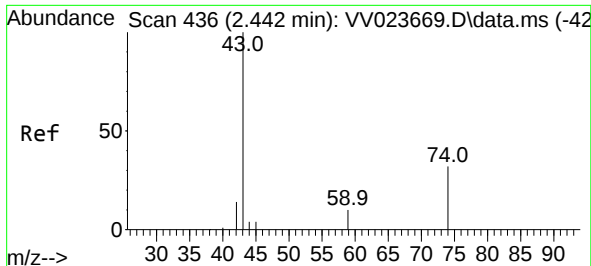
Tgt Ion: 96 Resp: 709
Ion Ratio Lower Upper
96 100
61 1121.3 116.1 215.5#
63 8972.3 79.4 147.4#



#14
Carbon disulfide
Concen: 0.060 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

Tgt Ion: 76 Resp: 1880
Ion Ratio Lower Upper
76 100
78 11.9 7.5 11.3#

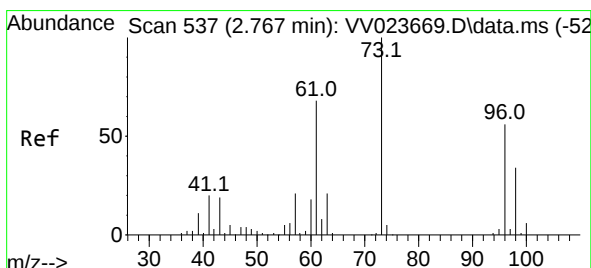
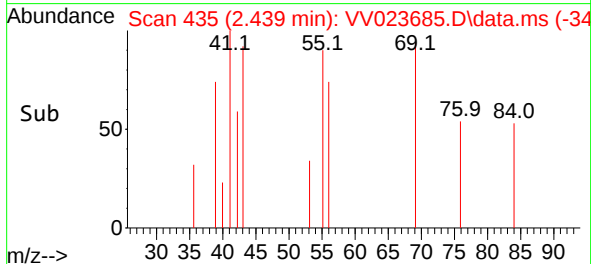
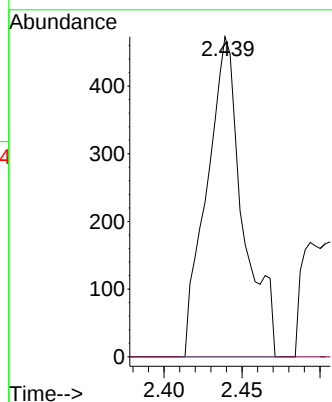
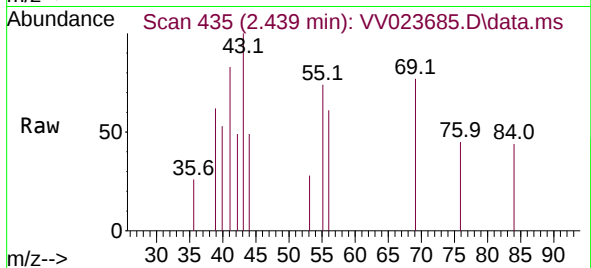




#15
Methyl Acetate
Concen: 0.271 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

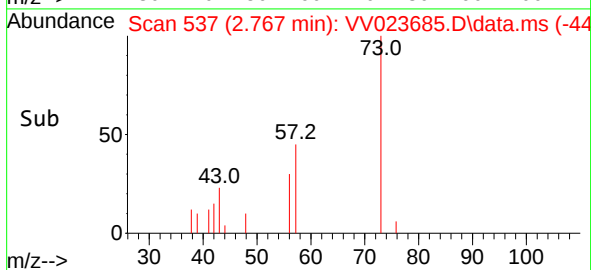
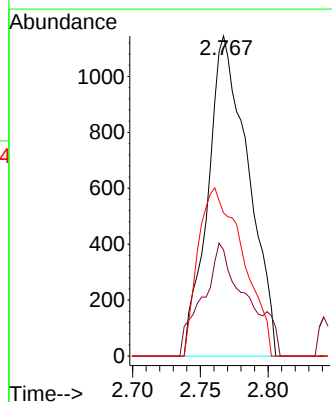
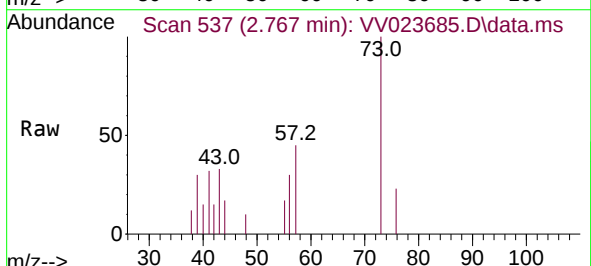
Instrument :
MSVOA_V
ClientSampleId :

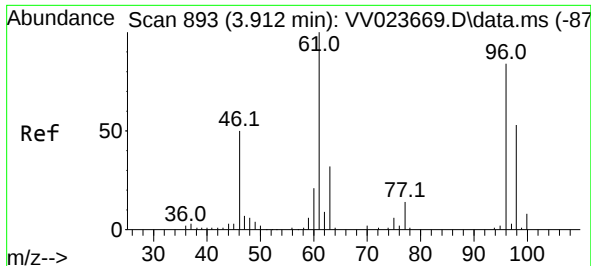
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#17
Methyl tert-butyl Ether
Concen: 0.124 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

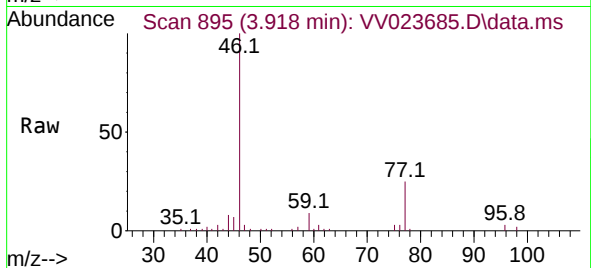
Tgt Ion: 73 Resp: 2367
Ion Ratio Lower Upper
73 100
43 38.4 15.5 23.3#
57 58.6 17.1 25.7#





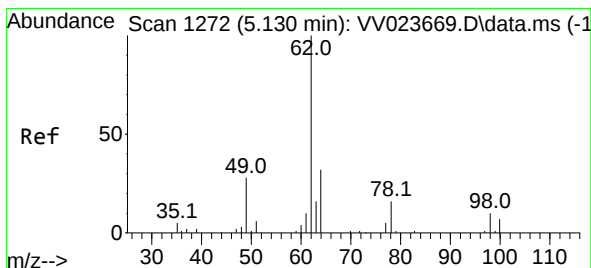
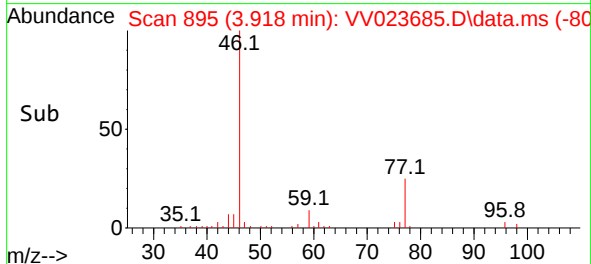
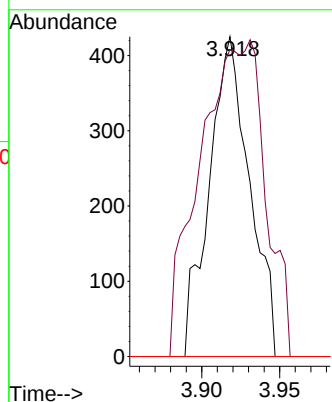
#22
 cis-1,2-Dichloroethene
 Concen: 0.075 ug/L
 RT: 3.918 min Scan# 893
 Delta R.T. 0.006 min
 Lab File: VV023685.D
 Acq: 23 Nov 2021 20:53

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 766

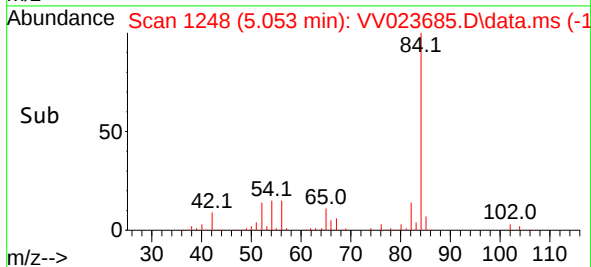
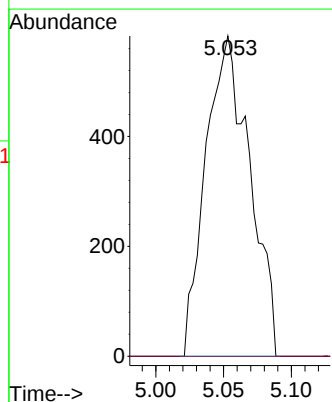
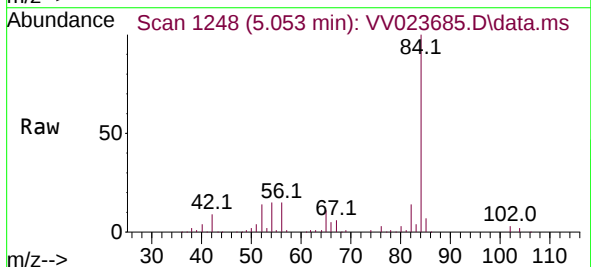
Ion	Ratio	Lower	Upper
96	100		
61	96.0	83.4	154.8
68	0.0	0.0	0.0

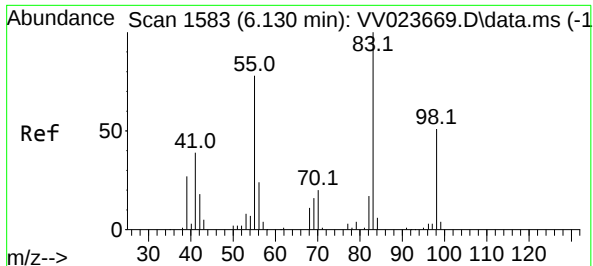


#27
 1,2-Dichloroethane
 Concen: 0.124 ug/L
 RT: 5.053 min Scan# 1248
 Delta R.T. -0.077 min
 Lab File: VV023685.D
 Acq: 23 Nov 2021 20:53

Tgt Ion: 62 Resp: 1316

Ion	Ratio	Lower	Upper
62	100		
98	0.0	8.1	12.1#





#35

Methylcyclohexane

Concen: 0.914 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV023685.D

Acq: 23 Nov 2021 20:53

Instrument :

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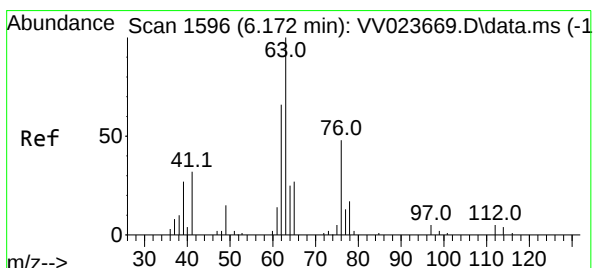
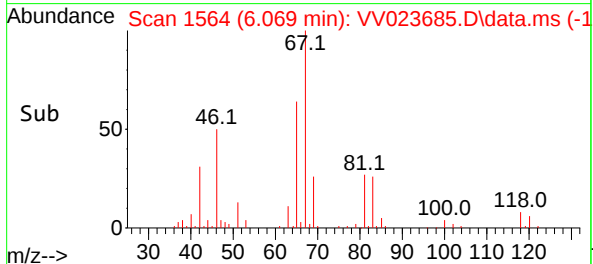
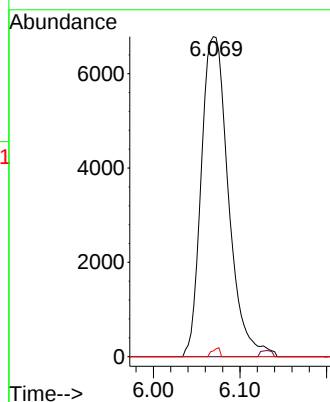
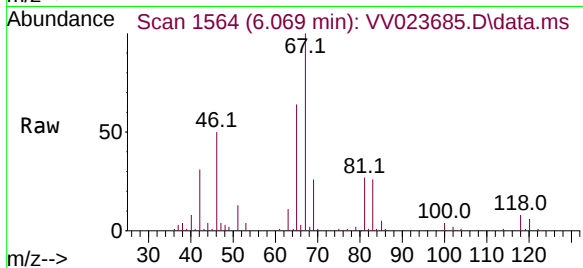
Tgt Ion: 83 Resp: 14771

Ion Ratio Lower Upper

83 100

55 0.8 60.2 90.2#

98 0.8 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.712 ug/L

RT: 6.076 min Scan# 1566

Delta R.T. -0.096 min

Lab File: VV023685.D

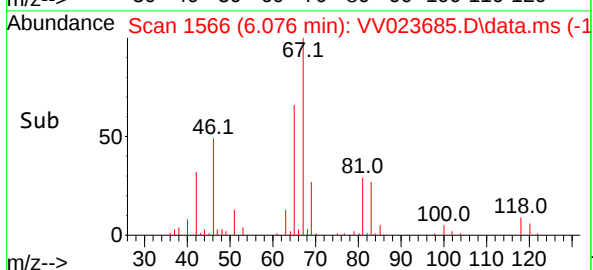
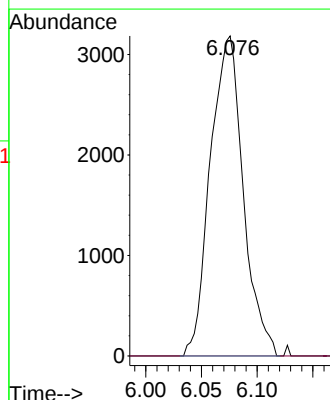
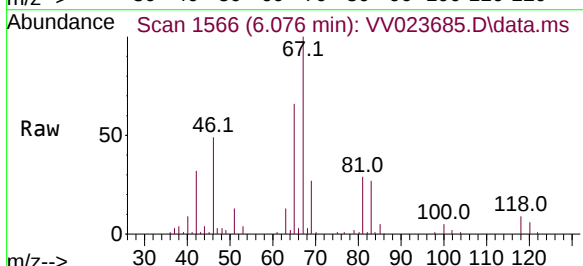
Acq: 23 Nov 2021 20:53

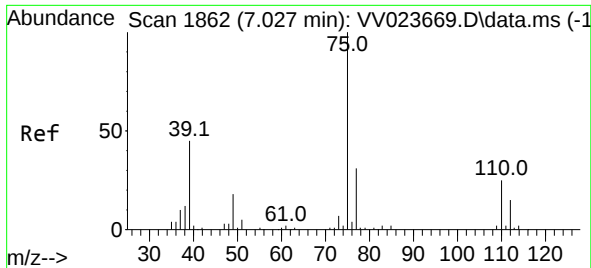
Tgt Ion: 63 Resp: 6551

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.131 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.039 min

Lab File: VV023685.D

Acq: 23 Nov 2021 20:53

Instrument :

MSVOA_V

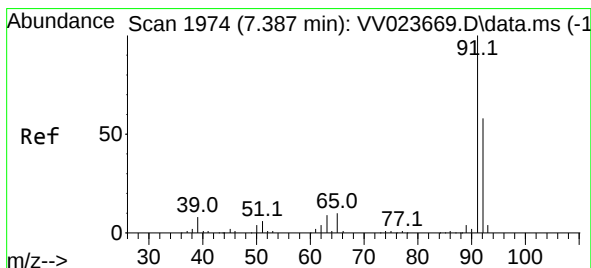
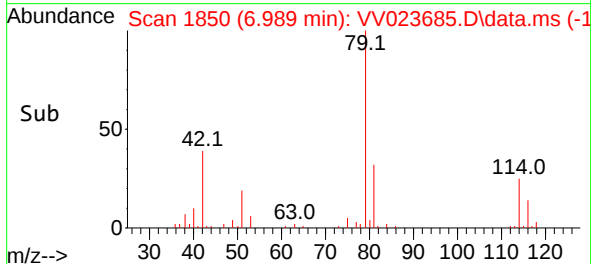
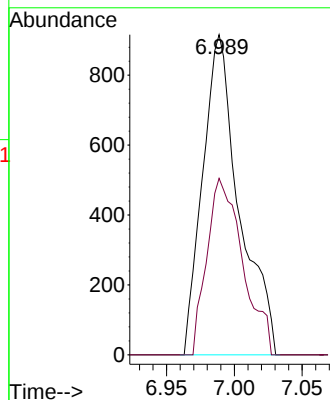
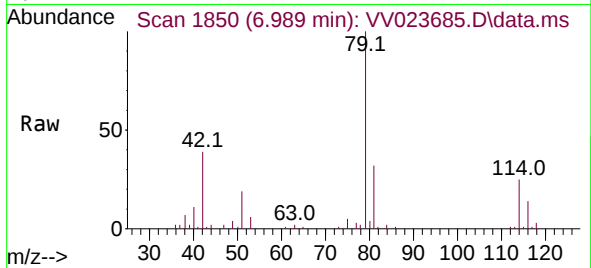
ClientSampleId :

Tgt Ion: 75 Resp: 1715

Ion Ratio Lower Upper

75 100

77 55.1 22.0 41.0#



#42

Toluene

Concen: 0.083 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.010 min

Lab File: VV023685.D

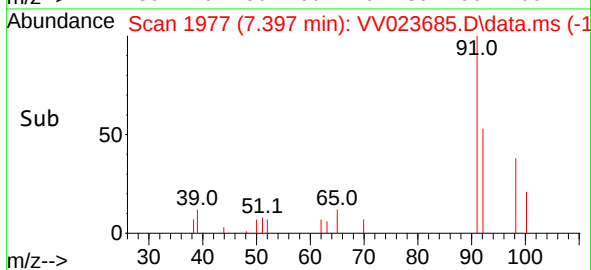
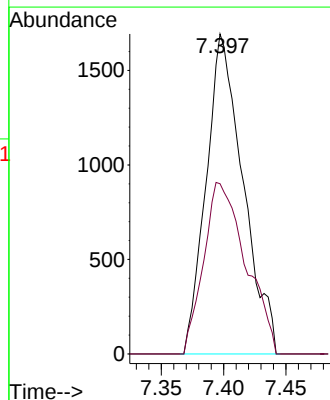
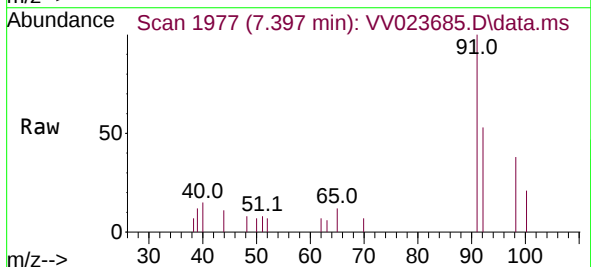
Acq: 23 Nov 2021 20:53

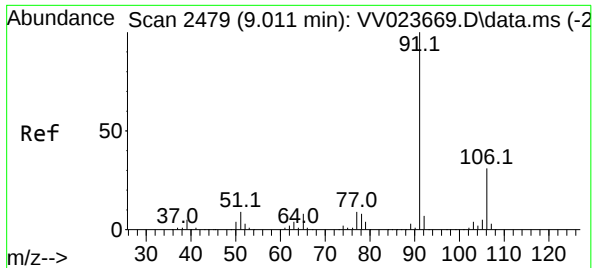
Tgt Ion: 91 Resp: 3477

Ion Ratio Lower Upper

91 100

92 53.2 41.5 77.1

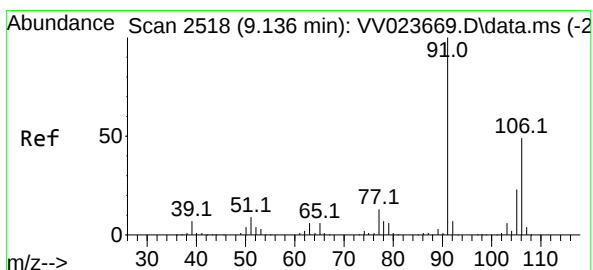
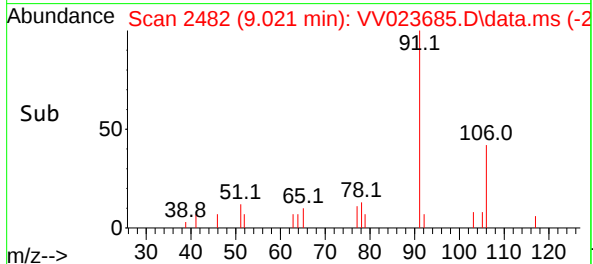
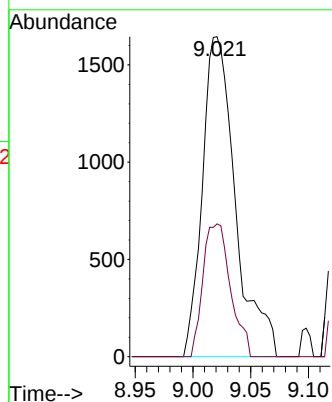
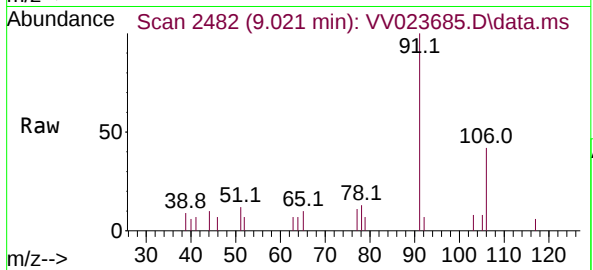




#52
Ethylbenzene
Concen: 0.075 ug/L
RT: 9.021 min Scan# 2479
Delta R.T. 0.010 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

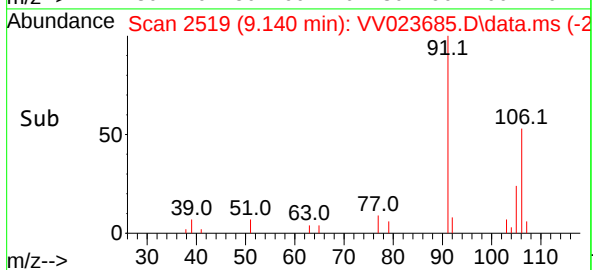
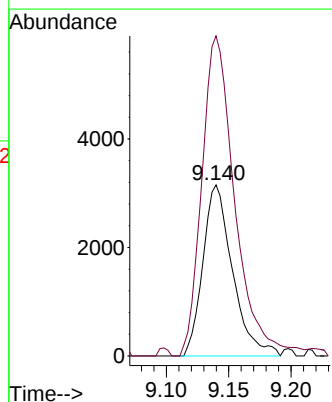
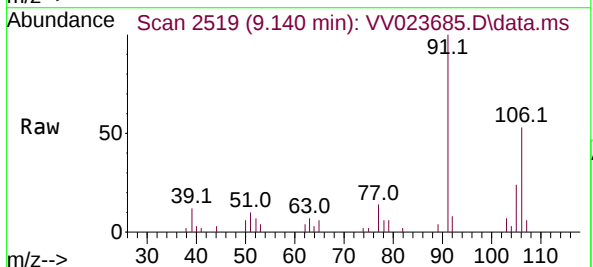
Instrument :
MSVOA_V
ClientSampleId :

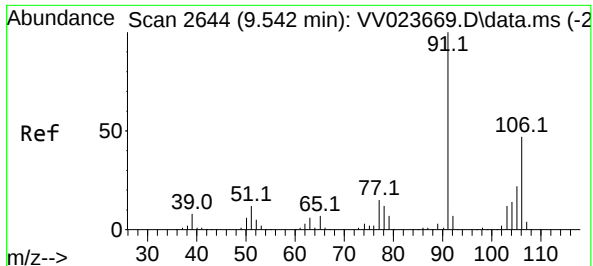
Tgt Ion: 91 Resp: 3277
Ion Ratio Lower Upper
91 100
106 41.5 22.0 41.0#



#53
m,p-xylene
Concen: 0.298 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

Tgt Ion:106 Resp: 5205
Ion Ratio Lower Upper
106 100
91 187.0 139.5 259.1

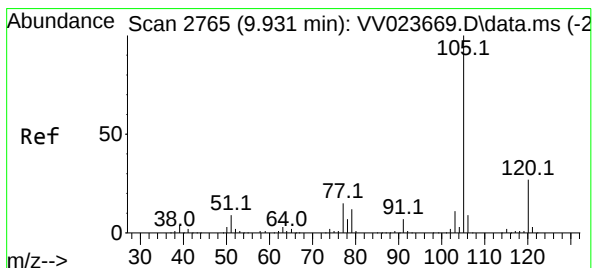
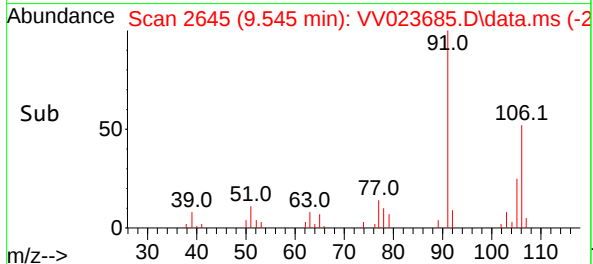
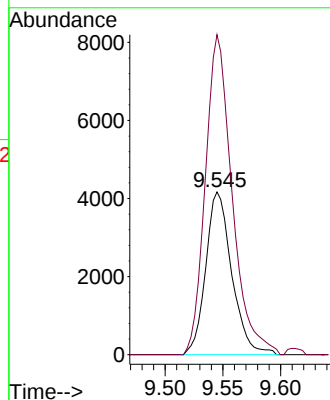
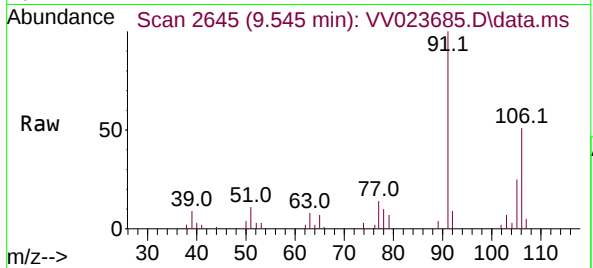




#54
o-xylene
Concen: 0.393 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

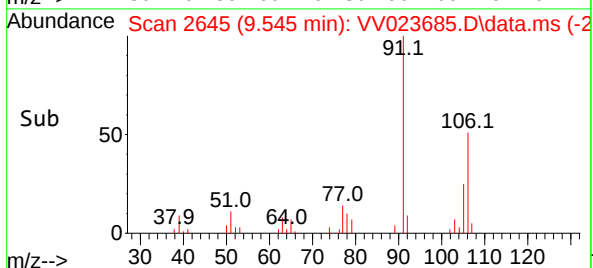
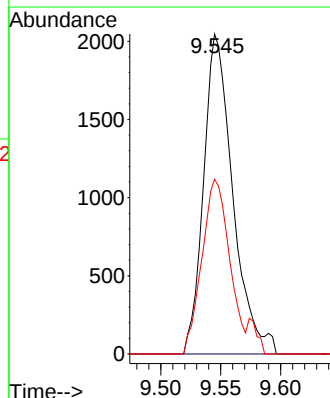
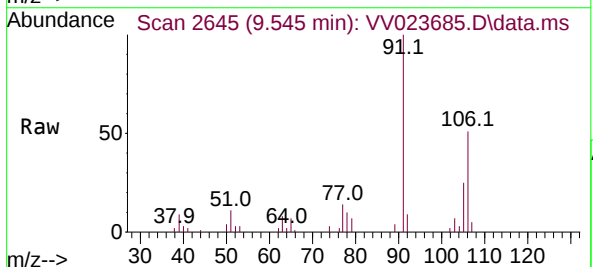
Instrument :
MSVOA_V
ClientSampleId :

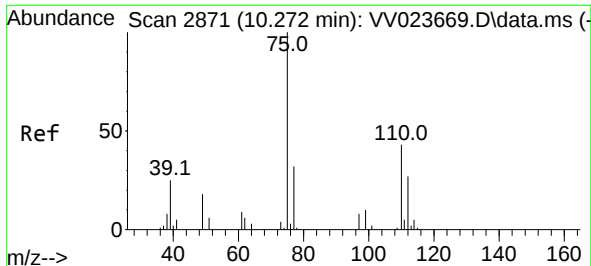
Tgt Ion:106 Resp: 6532
Ion Ratio Lower Upper
106 100
91 196.6 147.9 274.7



#60
Isopropylbenzene
Concen: 0.092 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.386 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

Tgt Ion:105 Resp: 3468
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 51.6 12.2 18.4#

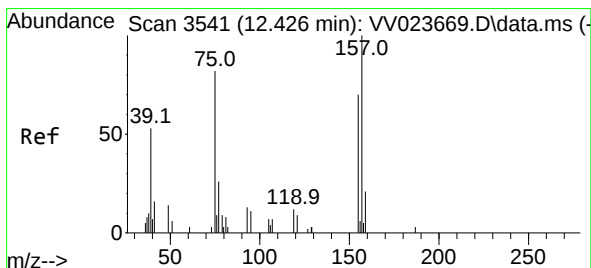
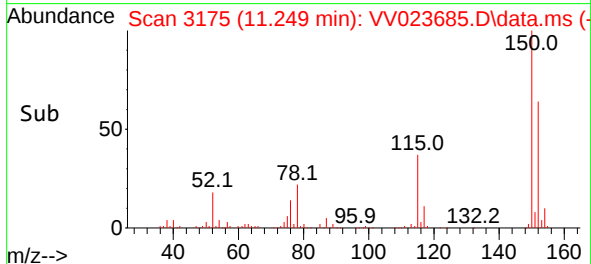
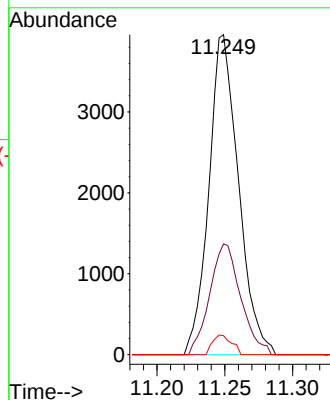
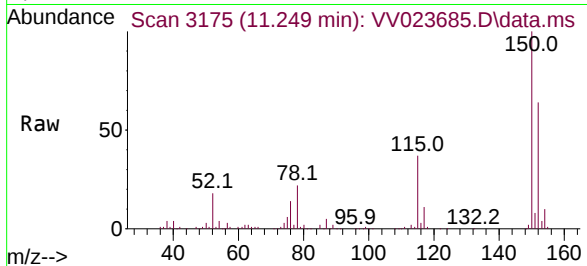




#61
1,2,3-Trichloropropane
Concen: 1.341 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

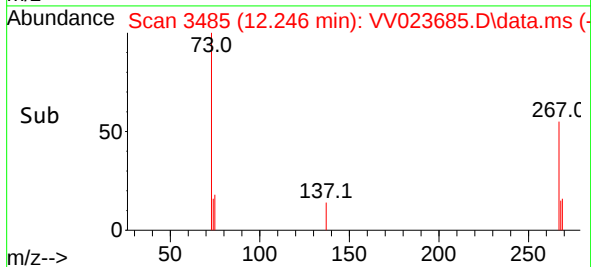
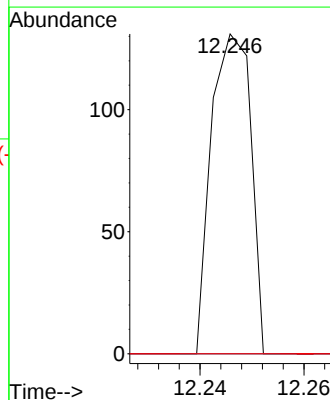
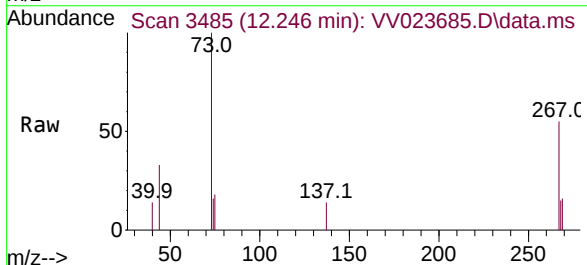
Instrument :
MSVOA_V
ClientSampleId :

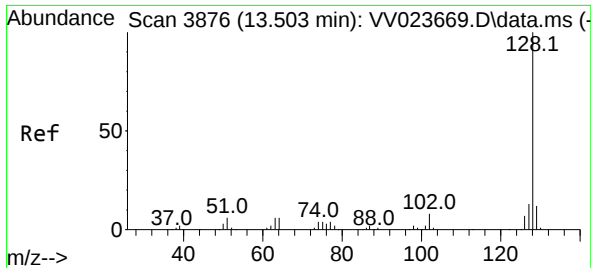
Tgt Ion: 75 Resp: 6017
Ion Ratio Lower Upper
75 100
77 36.2 26.4 39.6
110 3.9 34.2 51.2#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.077 ug/L
RT: 12.246 min Scan# 3485
Delta R.T. -0.180 min
Lab File: VV023685.D
Acq: 23 Nov 2021 20:53

Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#





#71

Naphthalene

Concen: 0.051 ug/L

RT: 13.516 min Scan# 3880

Delta R.T. 0.013 min

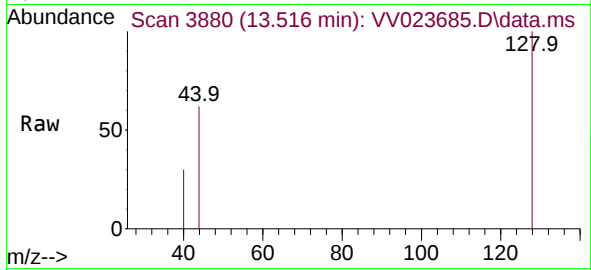
Lab File: VV023685.D

Acq: 23 Nov 2021 20:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 796

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#

