

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112321\
 Data File : VW023683.D
 Acq On : 23 Nov 2021 20:06
 Operator : SY/MD
 Sample : M4723-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 24 05:01:38 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	5.616	114	144249	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	141166	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65760	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51502	4.349	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.568	69	41196	4.426	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.108	63	70225	3.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.200%
20) 2-Butanone-d5	3.896	46	88325	62.046	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.100%
24) Chloroform-d	4.349	84	92537	4.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.034	65	45226	4.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.050	84	176313	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.069	67	51760	4.801	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.317	98	154420	4.298	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
43) trans-1,3-Dichloroprop...	7.625	79	17785	4.093	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.092	63	65887	45.635	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.260%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	33983	4.381	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	60070	5.167	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	720	0.058	ug/L #	1
8) Chloroethane	1.452	64	57097	7.211	ug/L #	51
12) 1,1-Dichloroethene	2.111	96	621	0.064	ug/L #	1
13) Acetone	2.182	43	3940	3.076	ug/L	92
14) Carbon disulfide	2.298	76	2735	0.084	ug/L	99
22) cis-1,2-Dichloroethene	3.918	96	4045	0.383	ug/L	98
27) 1,2-Dichloroethane	5.053	62	1225	0.112	ug/L #	73
34) Trichloroethene	5.924	95	741	0.069	ug/L	91
35) Methylcyclohexane	6.072	83	13845	0.824	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	6283	0.657	ug/L #	86
39) cis-1,3-Dichloropropene	6.992	75	1433	0.105	ug/L #	62
42) Toluene	7.400	91	2909	0.067	ug/L	91
48) 2-Hexanone	8.146	43	4224	1.251	ug/L #	91
52) Ethylbenzene	9.024	91	2528	0.055	ug/L #	82
53) m,p-xylene	9.143	106	4776	0.263	ug/L	86
54) o-xylene	9.548	106	6726	0.390	ug/L	96
60) Isopropylbenzene	9.548	105	3041	0.077	ug/L #	27
61) 1,2,3-Trichloropropane	11.249	75	6791	1.456	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.252	75	75	0.081	ug/L #	1

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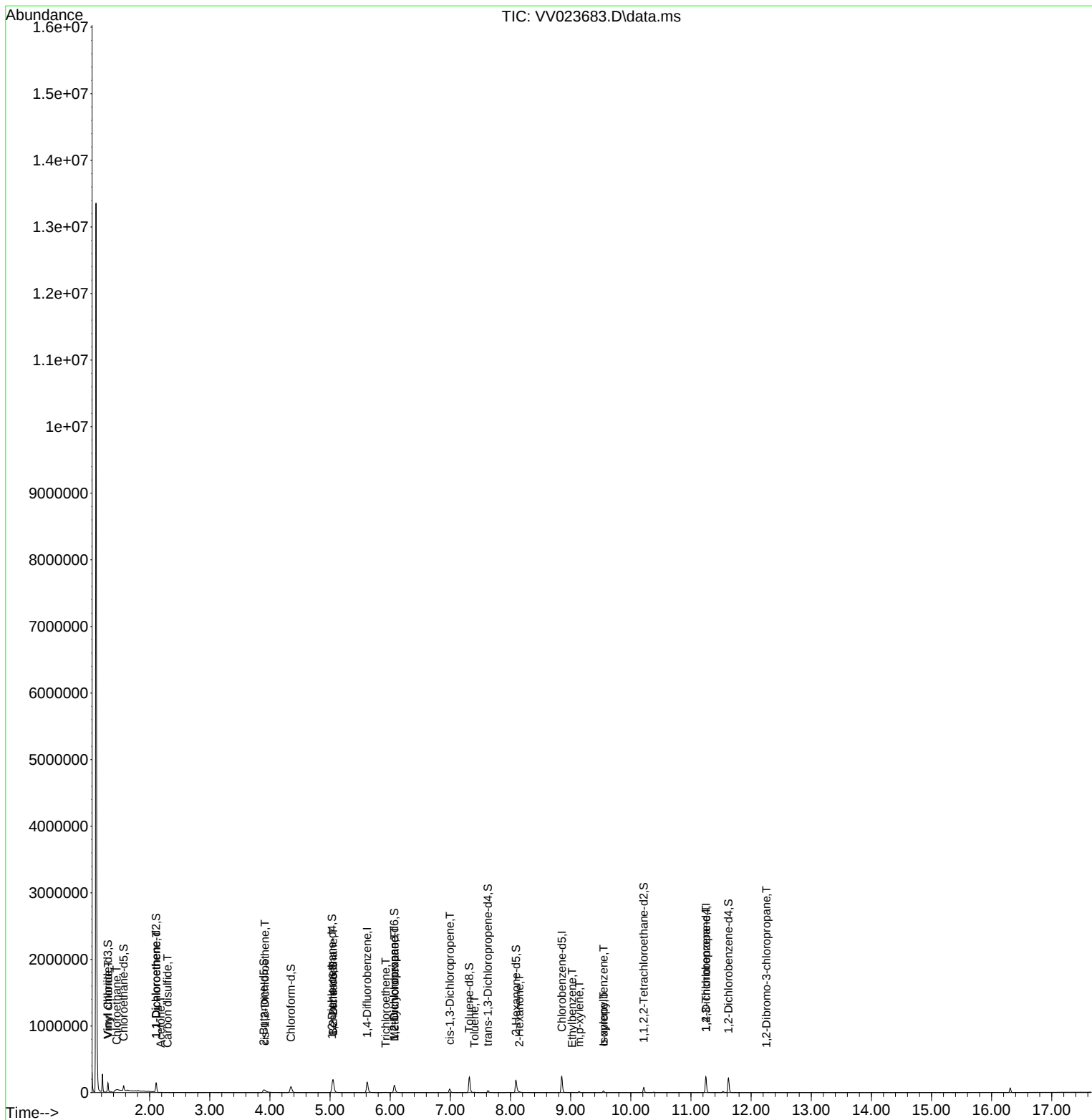
Instrument :
MSVOA_V
ClientSampleId :

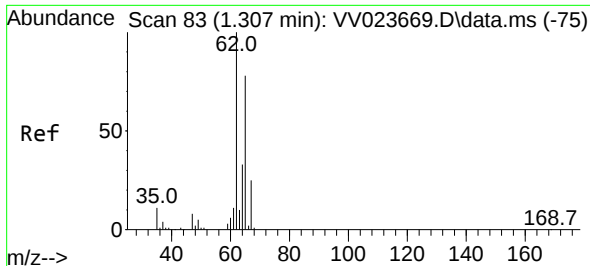
Quant Time: Nov 24 05:01:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 24 04:42:45 2021
Response via : Initial Calibration

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

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

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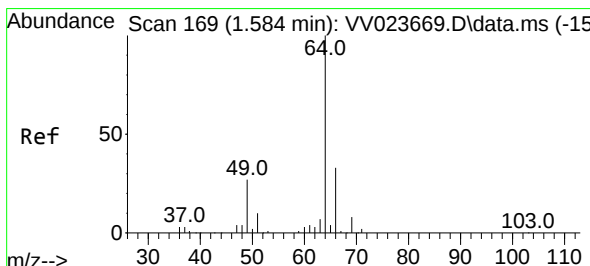
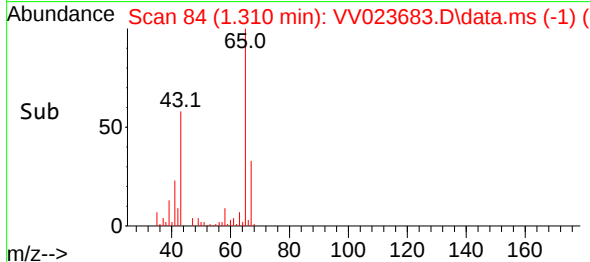
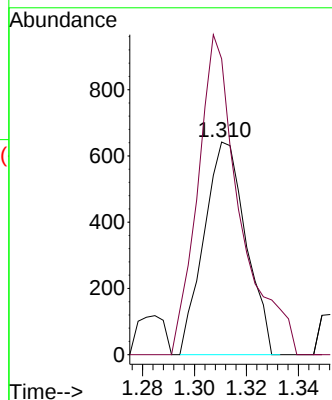
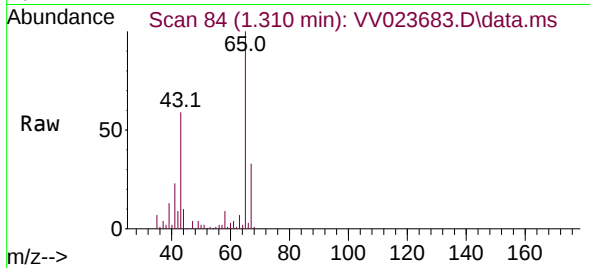




#5
 Vinyl chloride
 Concen: 0.058 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023683.D
 Acq: 23 Nov 2021 20:06

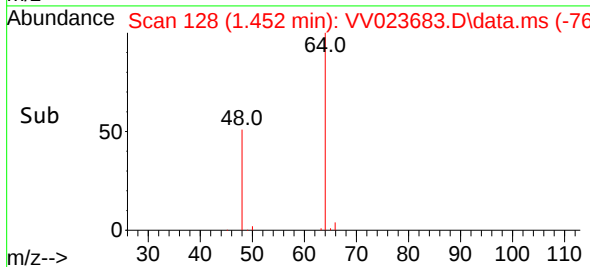
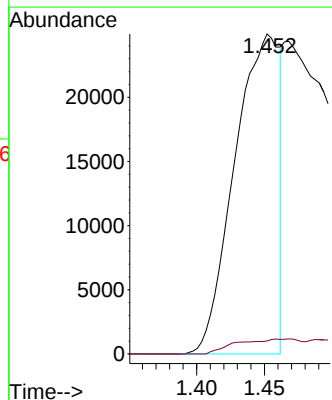
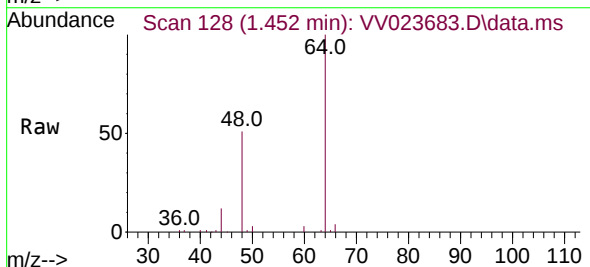
Instrument :
 MSVOA_V
 ClientSampleId :

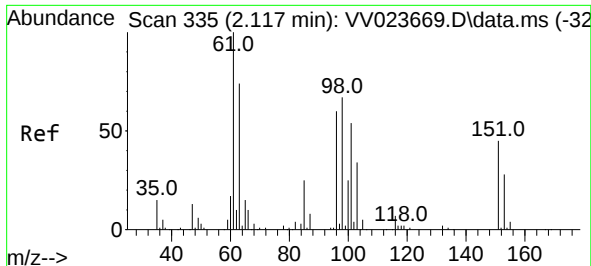
Tgt Ion: 62 Resp: 720
 Ion Ratio Lower Upper
 62 100
 64 139.1 22.4 41.6#



#8
 Chloroethane
 Concen: 7.211 ug/L
 RT: 1.452 min Scan# 128
 Delta R.T. -0.132 min
 Lab File: VV023683.D
 Acq: 23 Nov 2021 20:06

Tgt Ion: 64 Resp: 57097
 Ion Ratio Lower Upper
 64 100
 66 4.1 21.4 39.8#





#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV023683.D

Acq: 23 Nov 2021 20:06

Instrument :

MSVOA_V

ClientSampleId :

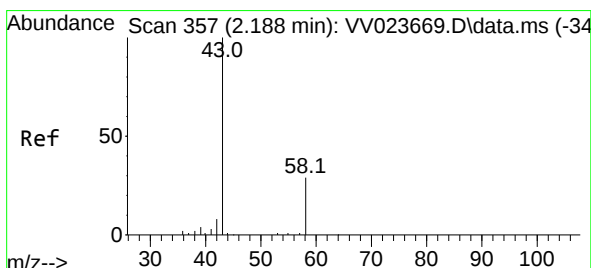
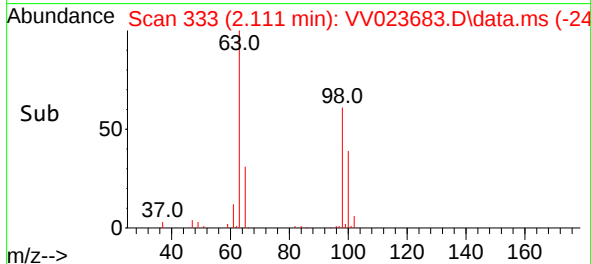
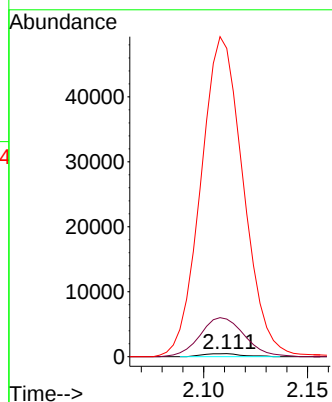
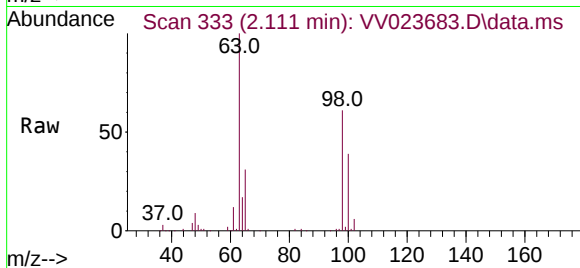
Tgt Ion: 96 Resp: 621

Ion Ratio Lower Upper

96 100

61 1238.3 116.1 215.5#

63 10163.6 79.4 147.4#



#13

Acetone

Concen: 3.076 ug/L

RT: 2.182 min Scan# 355

Delta R.T. -0.006 min

Lab File: VV023683.D

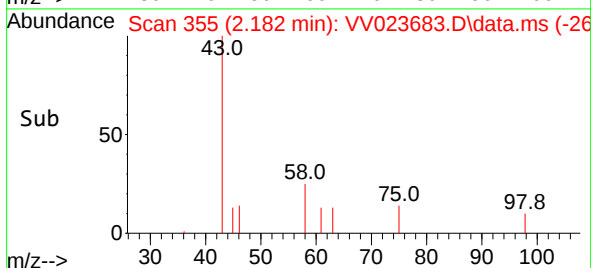
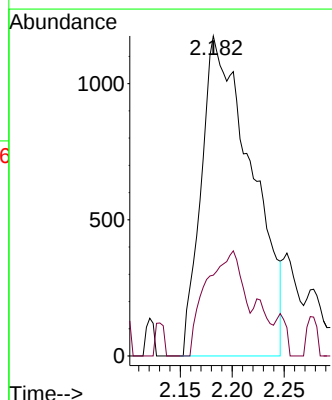
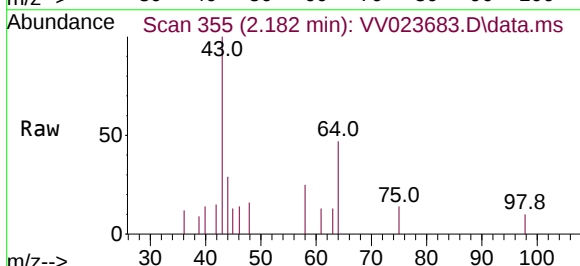
Acq: 23 Nov 2021 20:06

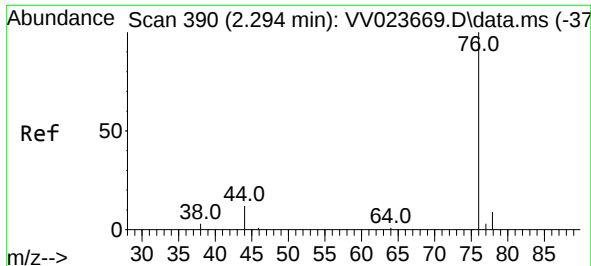
Tgt Ion: 43 Resp: 3940

Ion Ratio Lower Upper

43 100

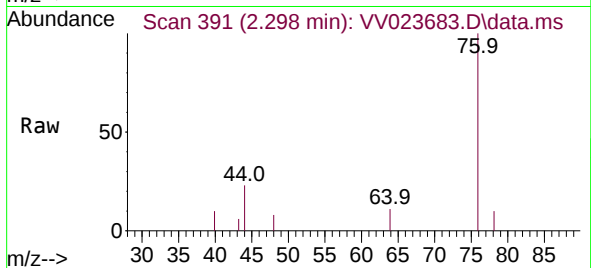
58 24.3 0.0 41.4



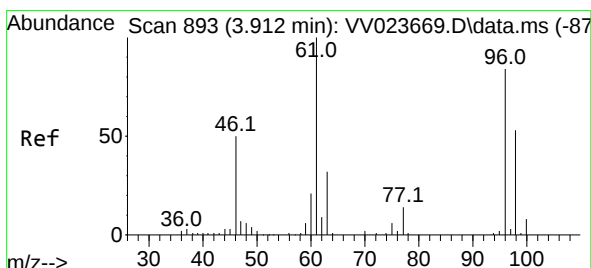
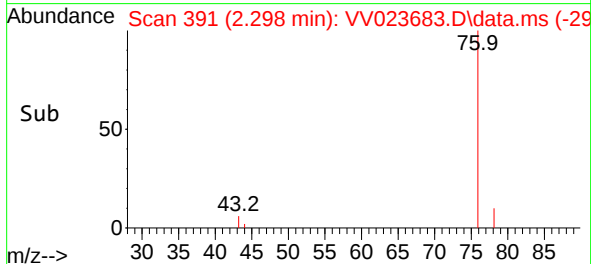
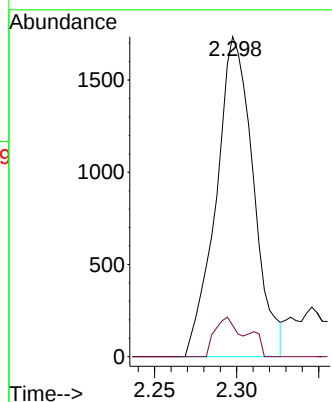


#14
Carbon disulfide
Concen: 0.084 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

Instrument :
MSVOA_V
ClientSampleId :

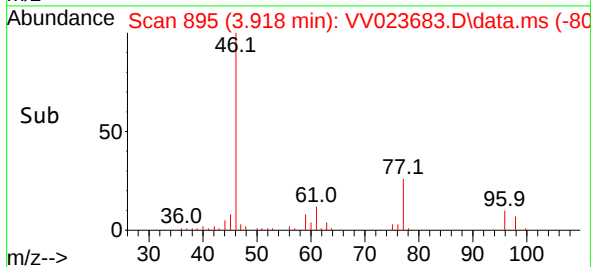
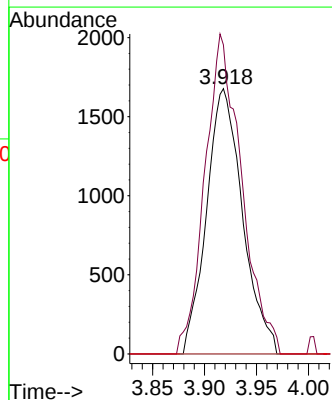
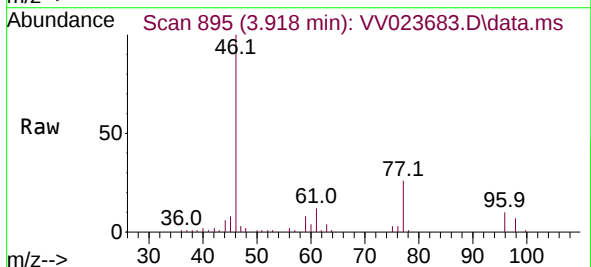


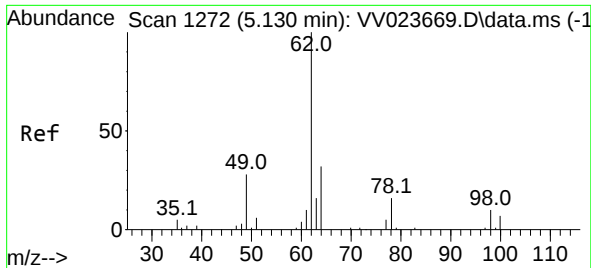
Tgt Ion: 76 Resp: 2735
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3



#22
cis-1,2-Dichloroethene
Concen: 0.383 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.006 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

Tgt Ion: 96 Resp: 4045
Ion Ratio Lower Upper
96 100
61 116.5 83.4 154.8
68 0.0 0.0 0.0

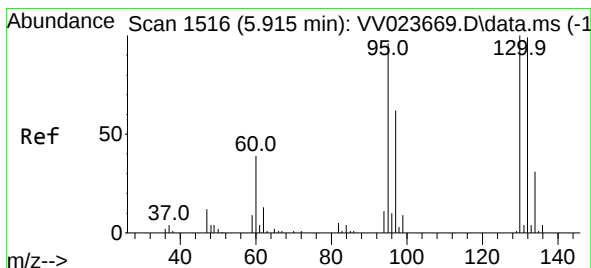
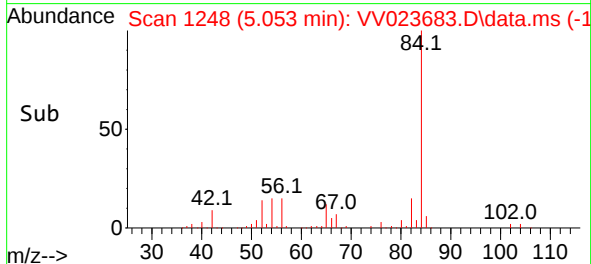
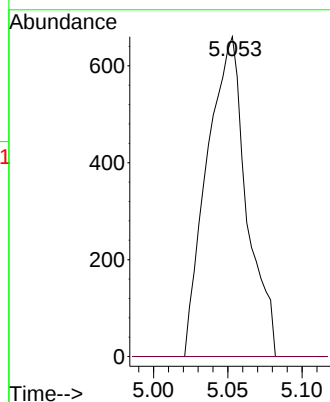
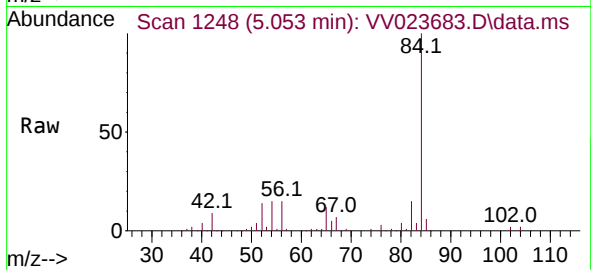




#27
1,2-Dichloroethane
Concen: 0.112 ug/L
RT: 5.053 min Scan# 11
Delta R.T. -0.077 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

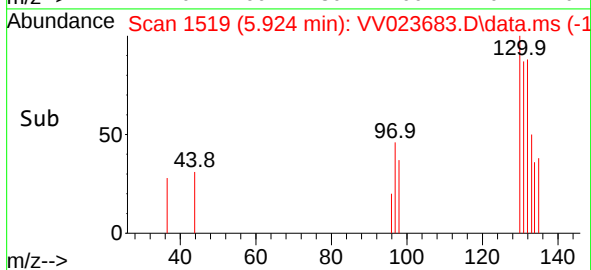
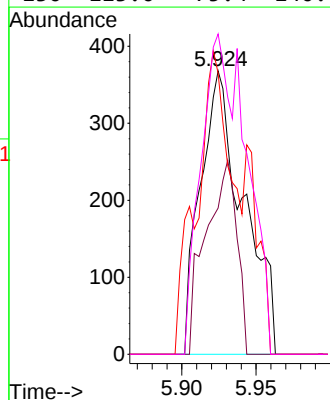
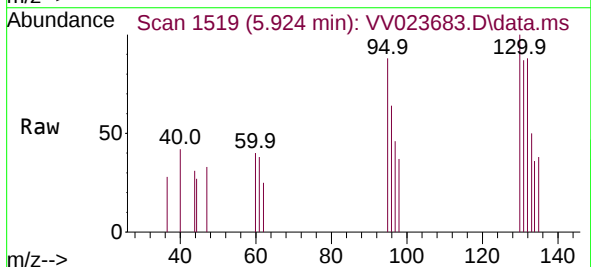
Instrument :
MSVOA_V
ClientSampleId :

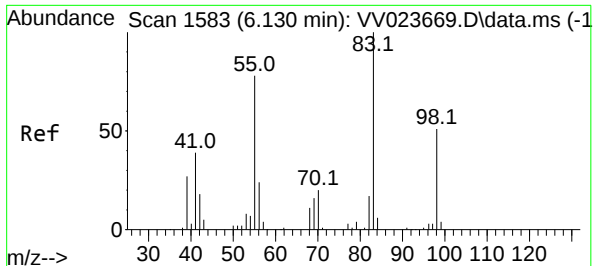
Tgt Ion: 62 Resp: 1225
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#



#34
Trichloroethene
Concen: 0.069 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.010 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

Tgt Ion: 95 Resp: 741
Ion Ratio Lower Upper
95 100
97 51.6 45.2 84.0
132 99.2 76.1 141.3
130 113.0 75.4 140.0





#35

Methylcyclohexane

Concen: 0.824 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV023683.D

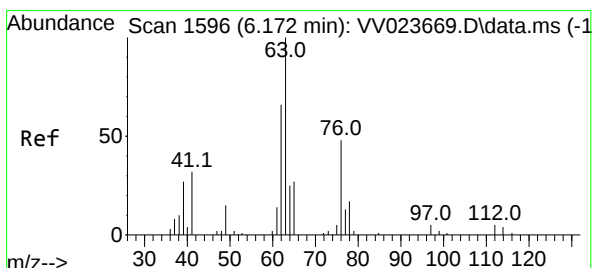
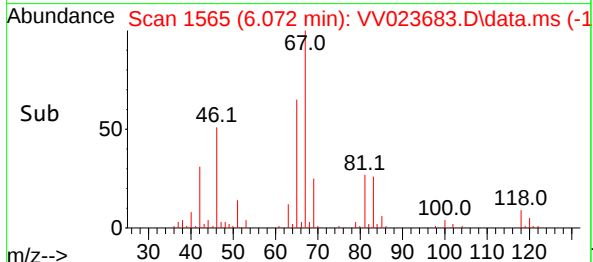
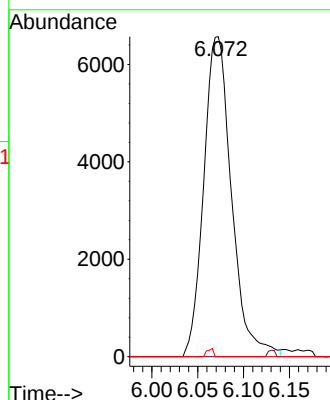
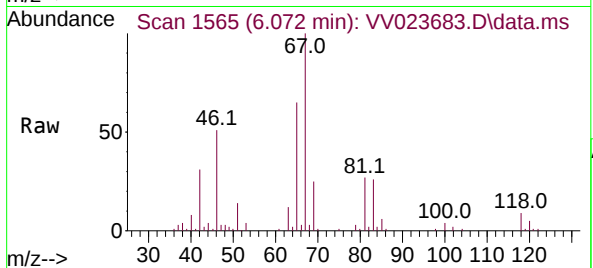
Acq: 23 Nov 2021 20:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 13845
Ion Ratio	Lower Upper
83 100	
55 0.5	60.2 90.2#
98 0.6	41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.657 ug/L

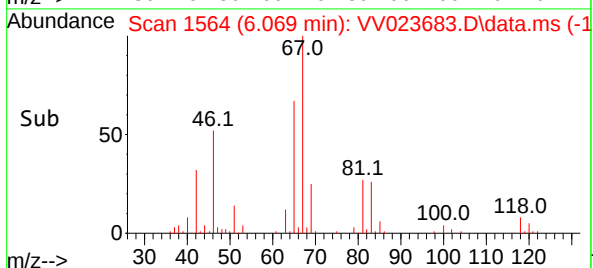
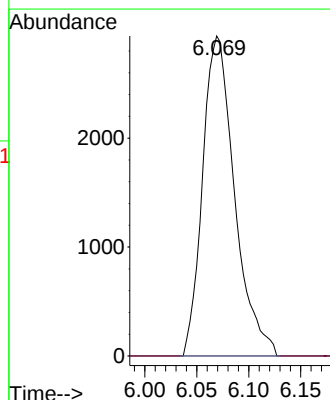
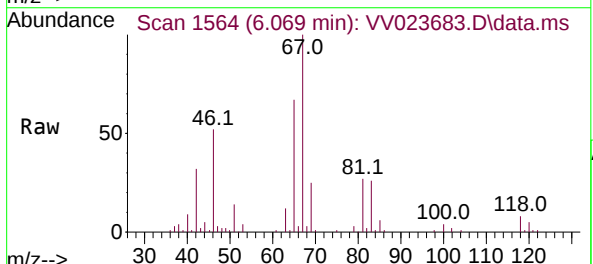
RT: 6.069 min Scan# 1564

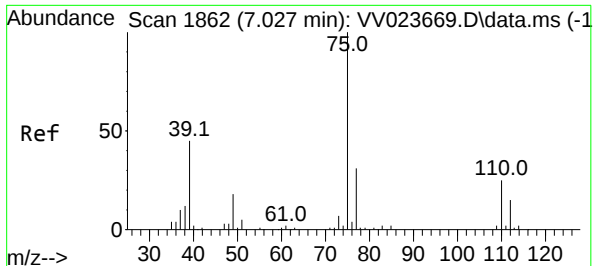
Delta R.T. -0.103 min

Lab File: VV023683.D

Acq: 23 Nov 2021 20:06

Tgt Ion: 63	Resp: 6283
Ion Ratio	Lower Upper
63 100	
112 0.6	4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV023683.D

Acq: 23 Nov 2021 20:06

Instrument :

MSVOA_V

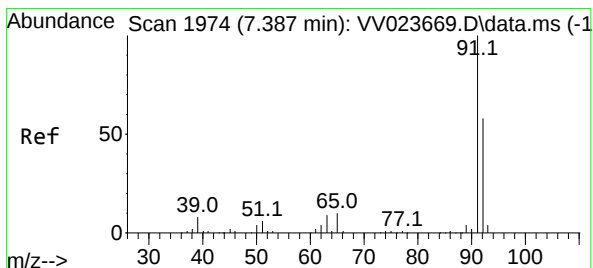
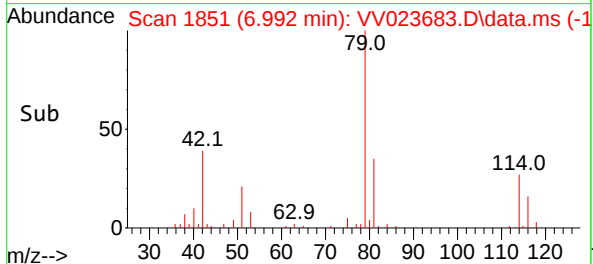
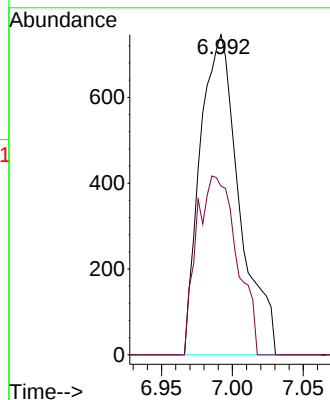
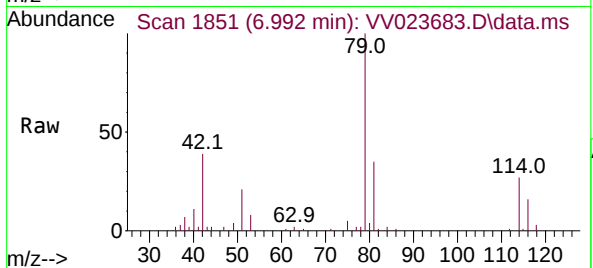
ClientSampleId :

Tgt Ion: 75 Resp: 1433

Ion Ratio Lower Upper

75 100

77 52.7 22.0 41.0#



#42

Toluene

Concen: 0.067 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.013 min

Lab File: VV023683.D

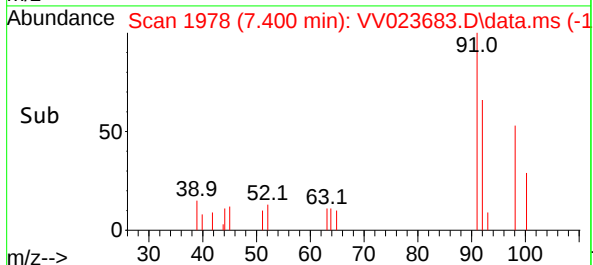
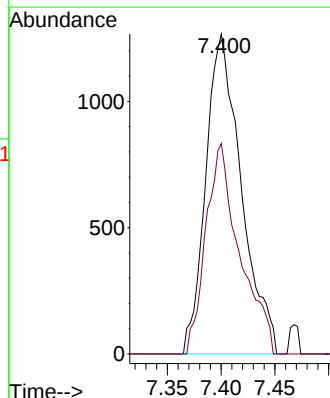
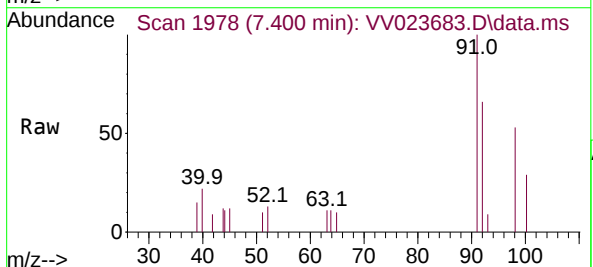
Acq: 23 Nov 2021 20:06

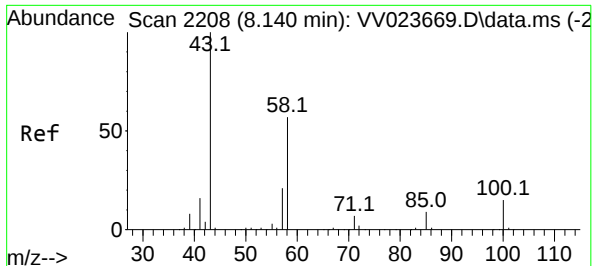
Tgt Ion: 91 Resp: 2909

Ion Ratio Lower Upper

91 100

92 65.7 41.5 77.1





#48

2-Hexanone

Concen: 1.251 ug/L

RT: 8.146 min Scan# 21

Delta R.T. 0.006 min

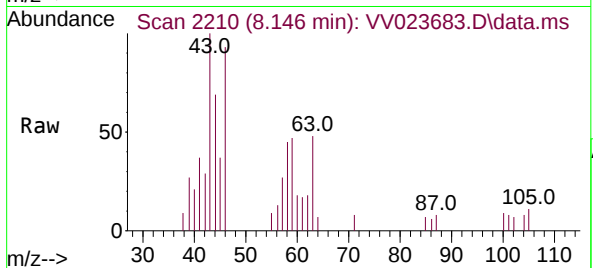
Lab File: VV023683.D

Acq: 23 Nov 2021 20:06

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Tgt Ion: 43 Resp: 4224

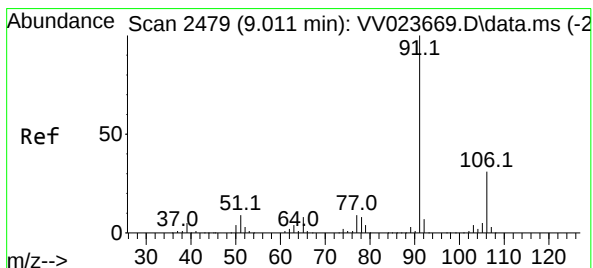
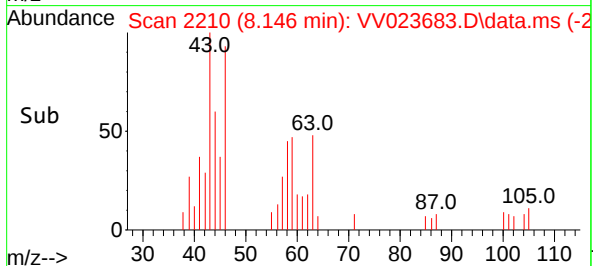
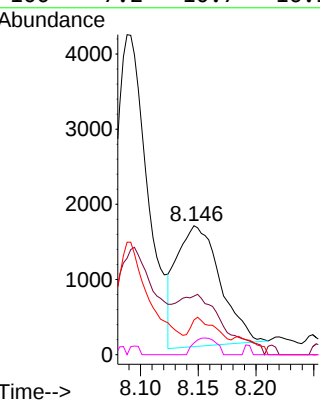
Ion Ratio Lower Upper

43 100

58 49.2 44.5 66.7

57 20.8 15.1 22.7

100 7.2 10.7 16.1#



#52

Ethylbenzene

Concen: 0.055 ug/L

RT: 9.024 min Scan# 2483

Delta R.T. 0.013 min

Lab File: VV023683.D

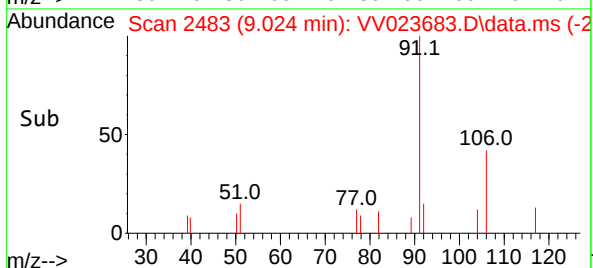
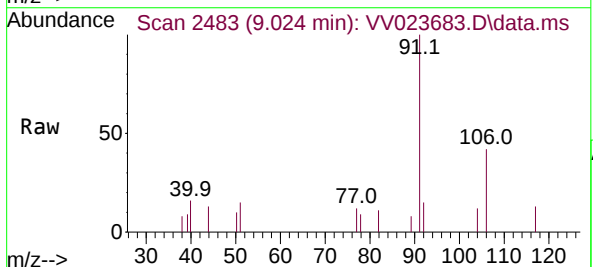
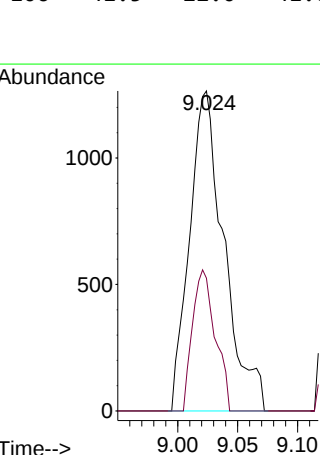
Acq: 23 Nov 2021 20:06

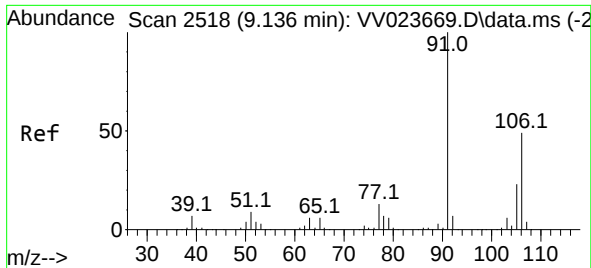
Tgt Ion: 91 Resp: 2528

Ion Ratio Lower Upper

91 100

106 41.5 22.0 41.0#

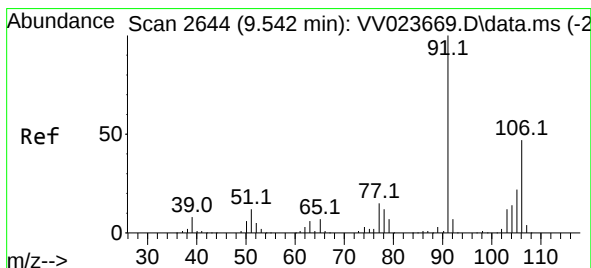
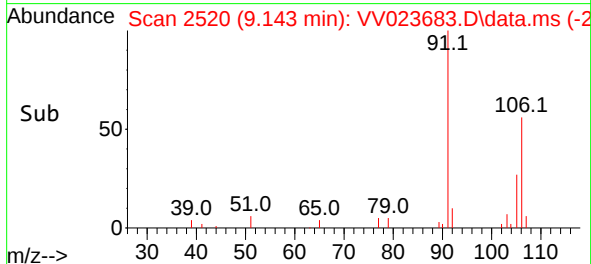
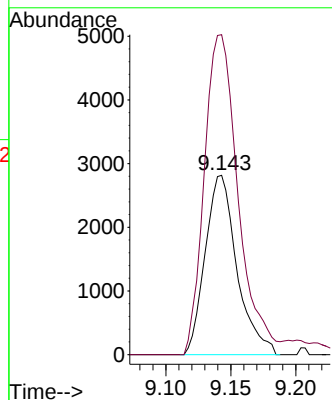
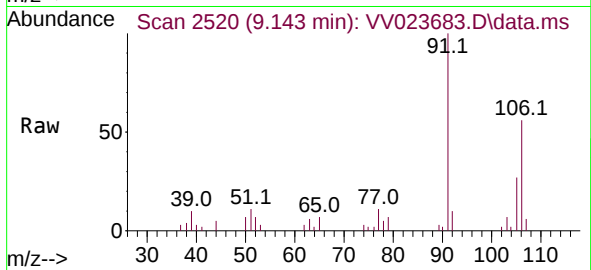




#53
m,p-xylene
Concen: 0.263 ug/L
RT: 9.143 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

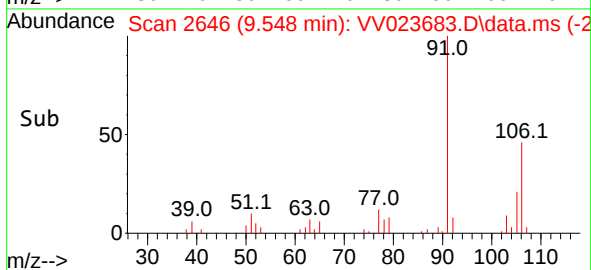
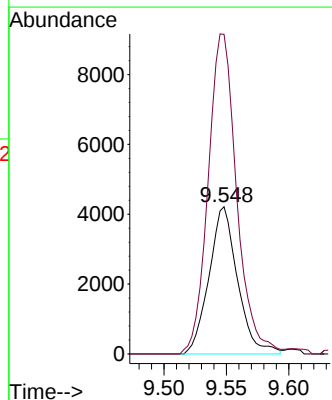
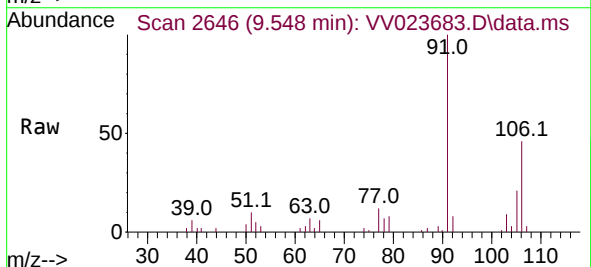
Instrument :
MSVOA_V
ClientSampleId :

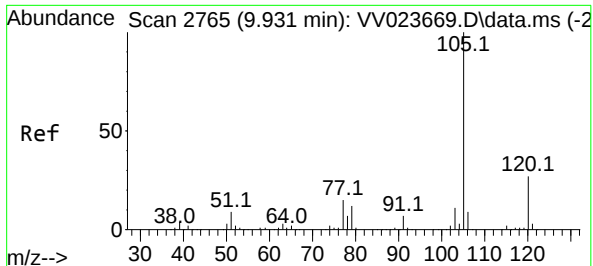
Tgt Ion:106 Resp: 4776
Ion Ratio Lower Upper
106 100
91 178.3 139.5 259.1



#54
o-xylene
Concen: 0.390 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

Tgt Ion:106 Resp: 6726
Ion Ratio Lower Upper
106 100
91 217.1 147.9 274.7

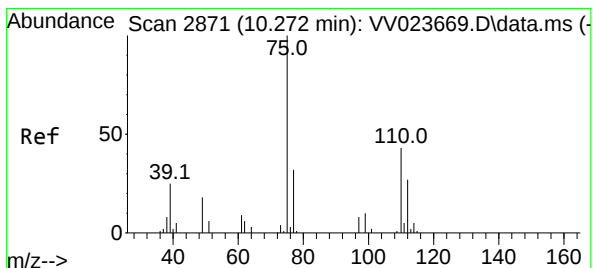
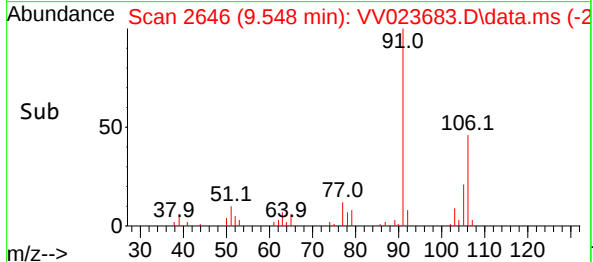
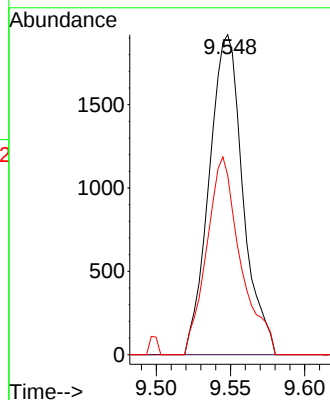
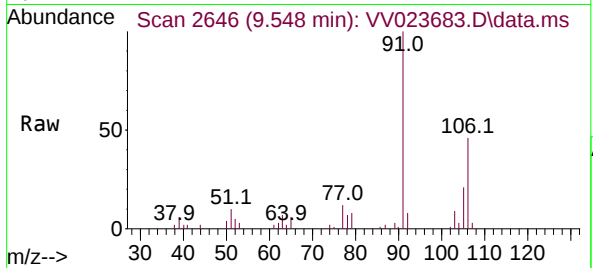




#60
Isopropylbenzene
Concen: 0.077 ug/L
RT: 9.548 min Scan# 21
Delta R.T. -0.383 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

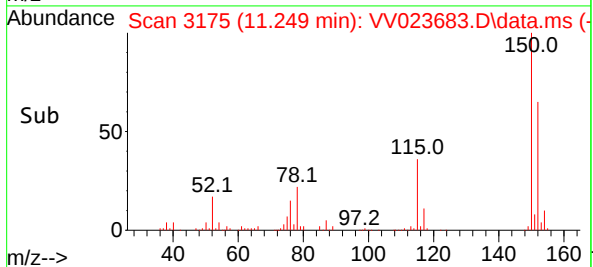
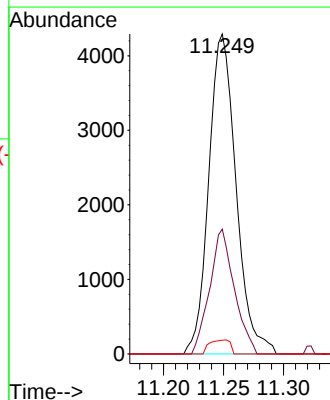
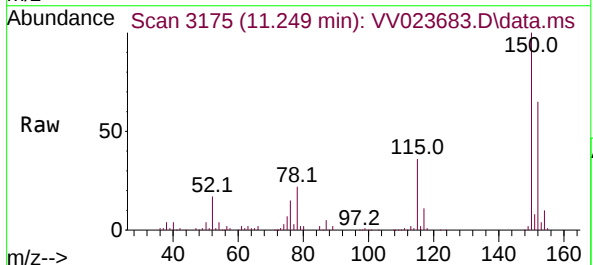
Instrument :
MSVOA_V
ClientSampleId :

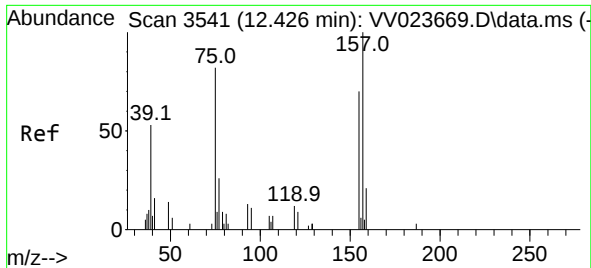
Tgt Ion:105 Resp: 3041
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 61.9 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.456 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023683.D
Acq: 23 Nov 2021 20:06

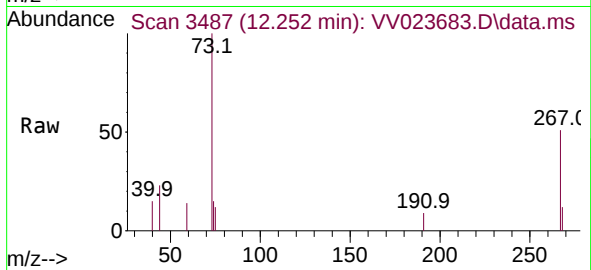
Tgt Ion: 75 Resp: 6791
Ion Ratio Lower Upper
75 100
77 35.1 26.4 39.6
110 3.3 34.2 51.2#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.081 ug/L
 RT: 12.252 min Scan# 34
 Delta R.T. -0.174 min
 Lab File: VV023683.D
 Acq: 23 Nov 2021 20:06

Instrument :
 MSVOA_V
 ClientSampleId :



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

