

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120921\
 Data File : VW023856.D
 Acq On : 09 Dec 2021 13:09
 Operator : SY/MD
 Sample : M4984-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 10 00:42:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	107885	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	103153	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	51211	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	34906	3.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.571	69	28773	4.133	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.111	63	48294	3.094	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.800%
20) 2-Butanone-d5	3.902	46	71632	67.280	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.560%#
24) Chloroform-d	4.352	84	70014	4.540	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.034	65	34703	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.053	84	129483	4.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.072	67	39067	4.959	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.317	98	110836	4.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	7.625	79	15464	4.870	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.088	63	64169	60.823	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.640%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27698	4.886	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	47338	5.228	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.124	96	1995	0.276	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	3308	0.223	ug/L #	93
18) trans-1,2-Dichloroethene	2.767	96	839	0.102	ug/L	81
19) 1,1-Dichloroethane	3.198	63	5156	0.372	ug/L	96
22) cis-1,2-Dichloroethene	3.918	96	12423	1.573	ug/L	96
25) Chloroform	4.378	83	9600	0.622	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	119266	8.848	ug/L	98
31) Carbon tetrachloride	4.831	117	67550	5.471	ug/L	99
34) Trichloroethene	5.915	95	46749	5.934	ug/L	96
35) Methylcyclohexane	6.069	83	10101	0.822	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	4807	0.688	ug/L #	84
42) Toluene	7.391	91	46590	1.461	ug/L	97
47) Tetrachloroethene	7.976	164	50754	7.078	ug/L	97
48) 2-Hexanone	8.088	43	7499	3.041	ug/L #	67
49) Dibromochloromethane	7.976	129	41979	6.329	ug/L #	11
52) Ethylbenzene	9.018	91	4787	0.144	ug/L	98
53) m,p-xylene	9.140	106	6110	0.460	ug/L	98
54) o-xylene	9.551	106	1915	0.152	ug/L	89
61) 1,2,3-Trichloropropane	11.249	75	5045	1.389	ug/L #	61

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

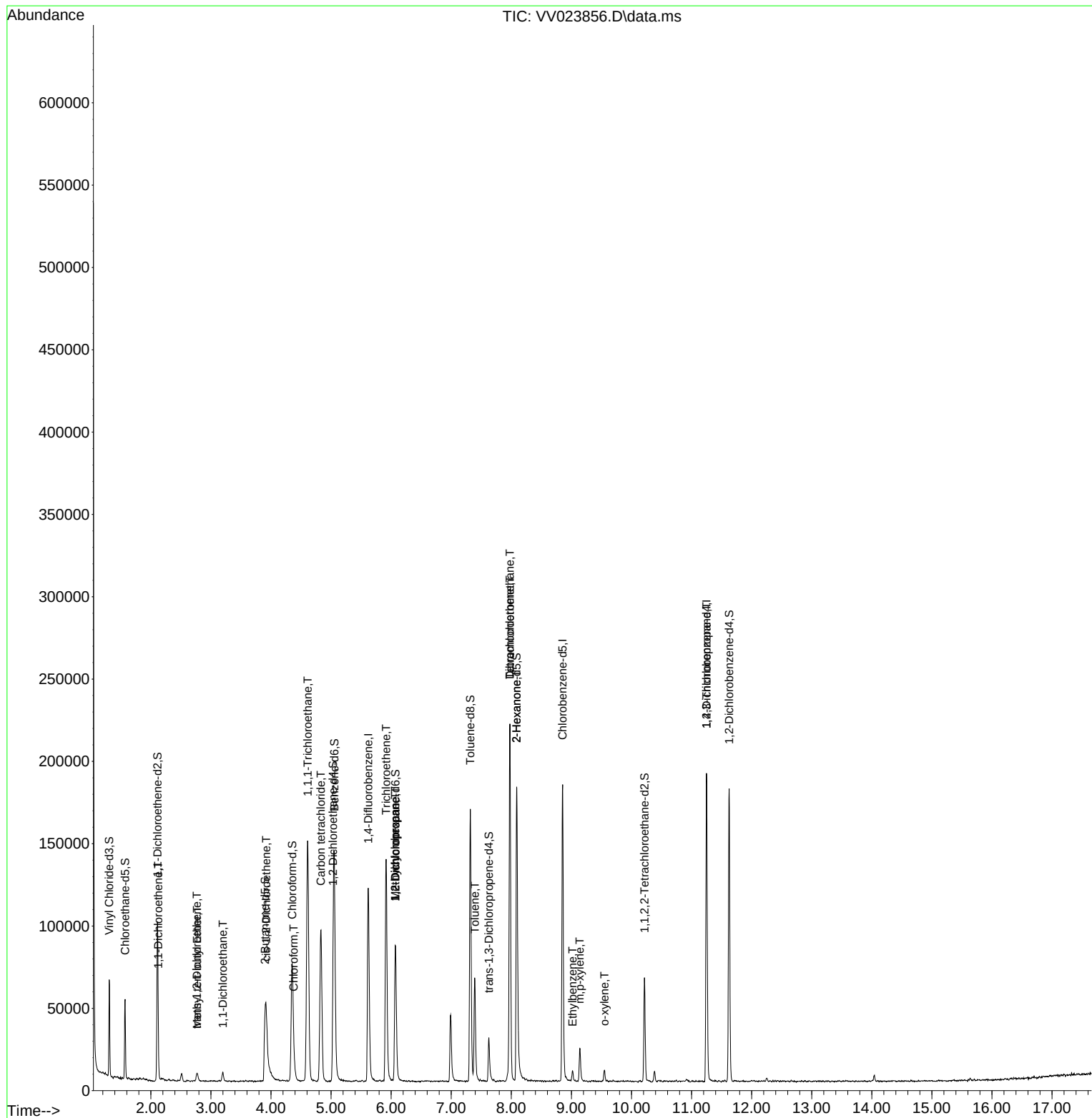
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

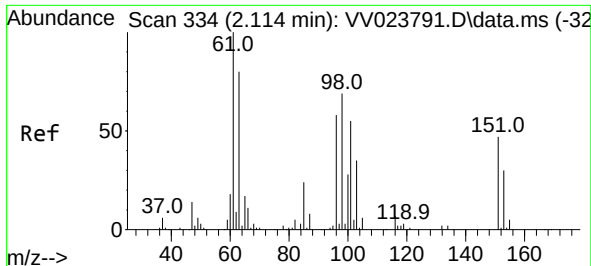
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.276 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.007 min

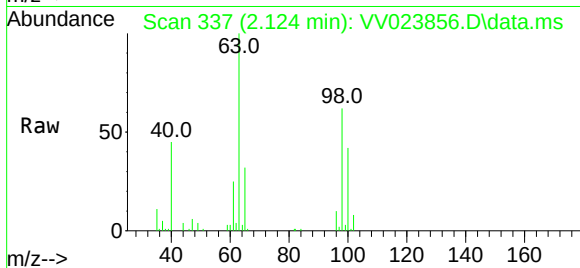
Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

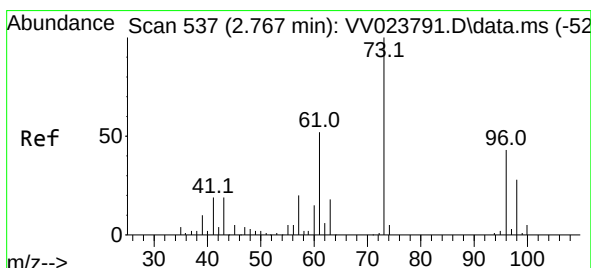
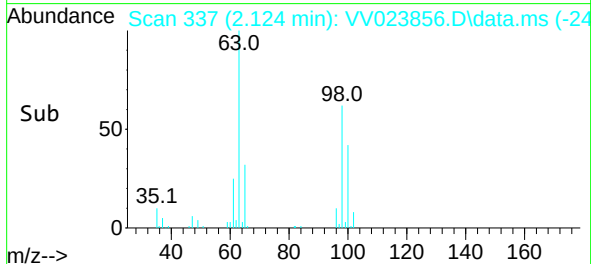
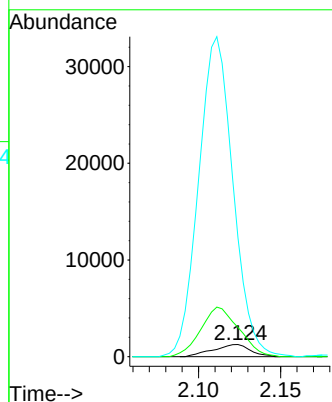
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	1995
Ion	Ratio	Lower	Upper
96	100		
61	240.0	116.1	215.5#
63	975.5	79.4	147.4#



#17

Methyl tert-butyl Ether

Concen: 0.223 ug/L

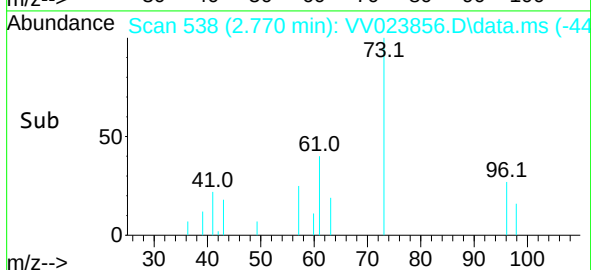
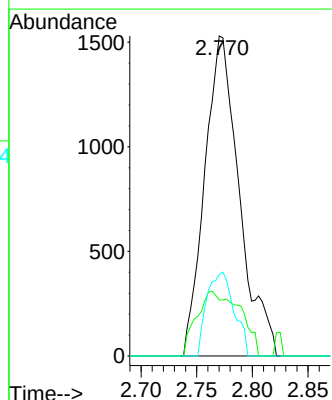
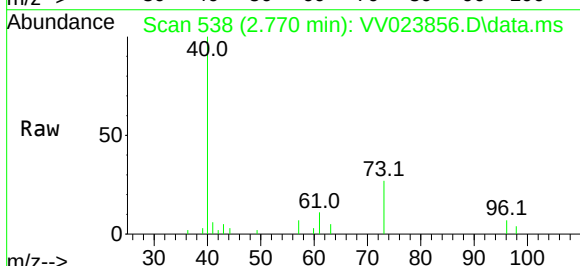
RT: 2.770 min Scan# 538

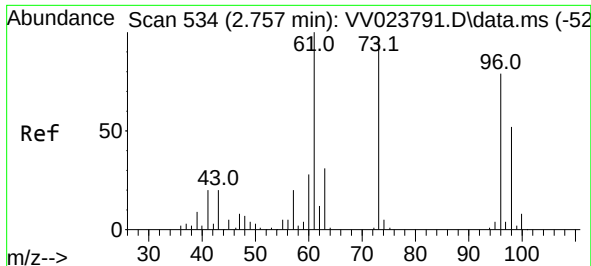
Delta R.T. 0.003 min

Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

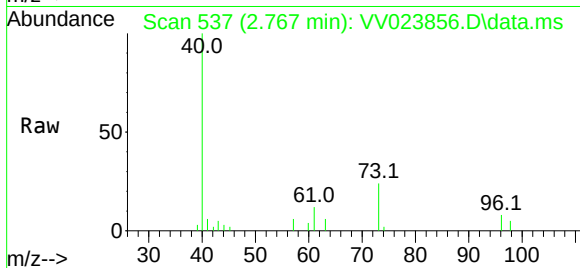
Tgt Ion:	73	Resp:	3308
Ion	Ratio	Lower	Upper
73	100		
43	25.4	15.5	23.3#
57	20.5	17.1	25.7





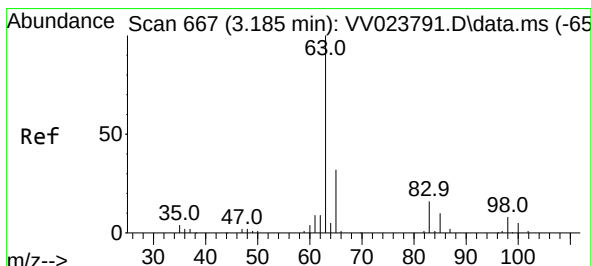
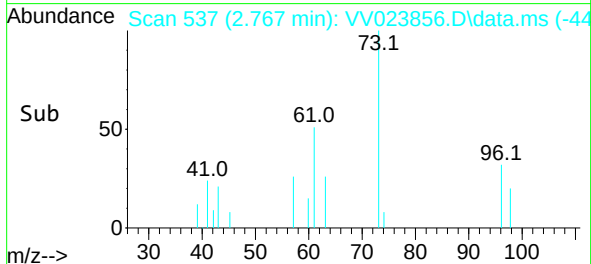
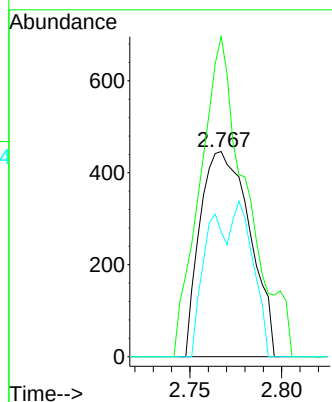
#18
 trans-1,2-Dichloroethene
 Concen: 0.102 ug/L
 RT: 2.767 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VV023856.D
 Acq: 09 Dec 2021 13:09

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 839

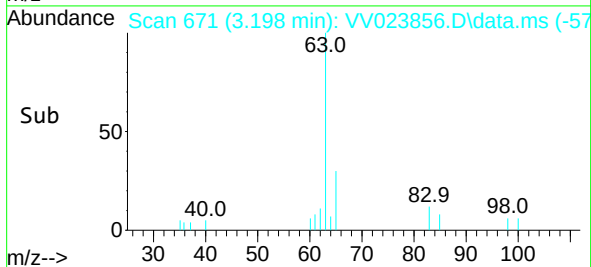
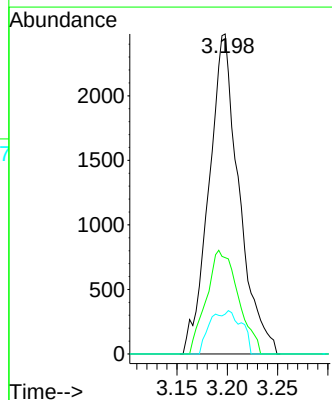
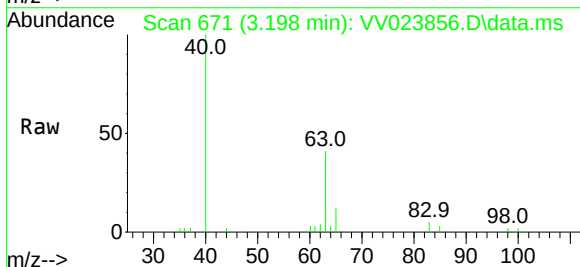
Ion	Ratio	Lower	Upper
96	100		
61	156.1	88.2	163.8
98	60.8	44.9	83.5

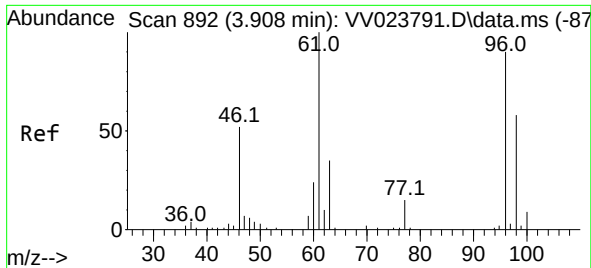


#19
 1,1-Dichloroethane
 Concen: 0.372 ug/L
 RT: 3.198 min Scan# 671
 Delta R.T. 0.013 min
 Lab File: VV023856.D
 Acq: 09 Dec 2021 13:09

Tgt Ion: 63 Resp: 5156

Ion	Ratio	Lower	Upper
63	100		
65	30.1	22.3	41.3
83	12.5	10.7	19.9





#22

cis-1,2-Dichloroethene

Concen: 1.573 ug/L

RT: 3.918 min Scan# 89

Delta R.T. 0.010 min

Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

Instrument :

MSVOA_V

ClientSampleId :

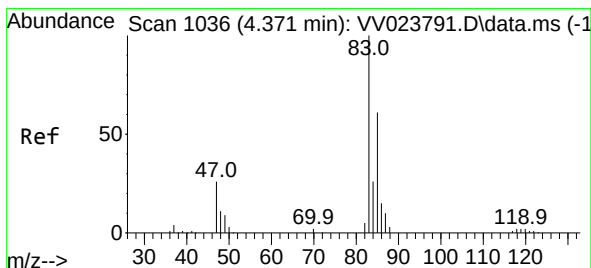
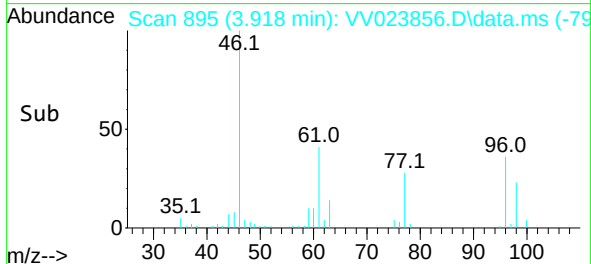
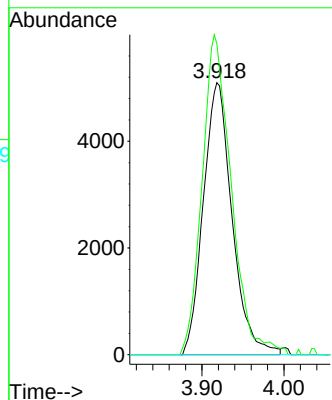
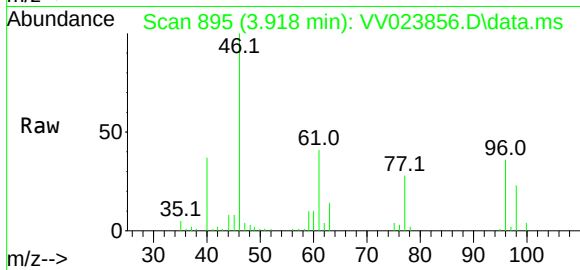
Tgt Ion: 96 Resp: 12423

Ion Ratio Lower Upper

96 100

61 114.4 83.4 154.8

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.622 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.007 min

Lab File: VV023856.D

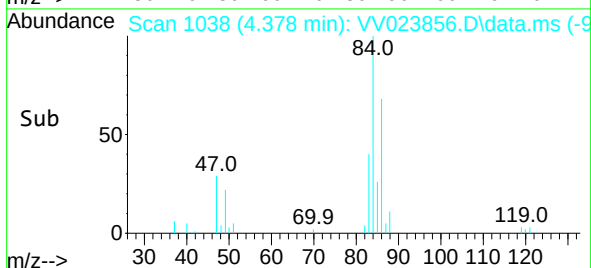
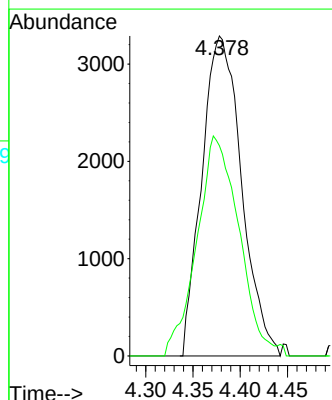
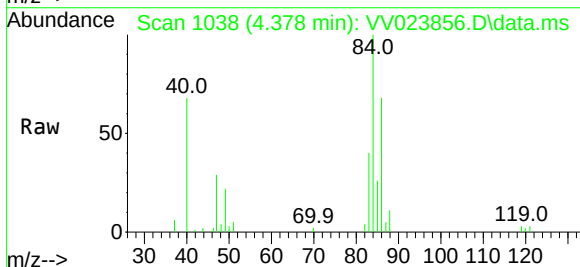
Acq: 09 Dec 2021 13:09

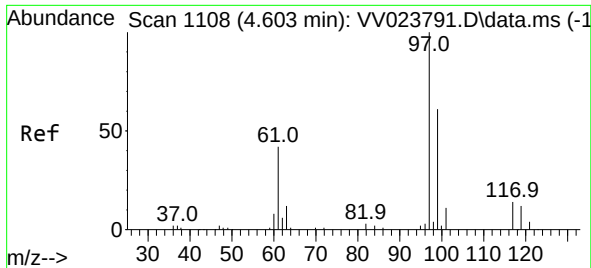
Tgt Ion: 83 Resp: 9600

Ion Ratio Lower Upper

83 100

85 65.7 45.2 84.0





#29

1,1,1-Trichloroethane

Concen: 8.848 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

Instrument :

MSVOA_V

ClientSampleId :

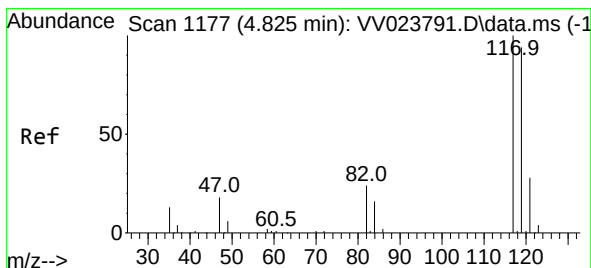
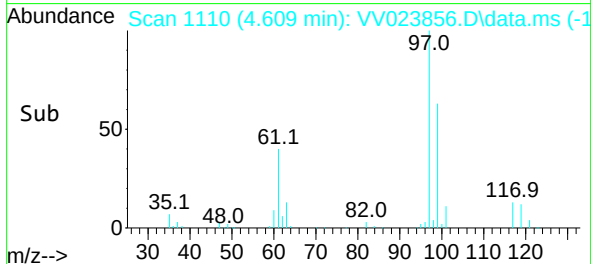
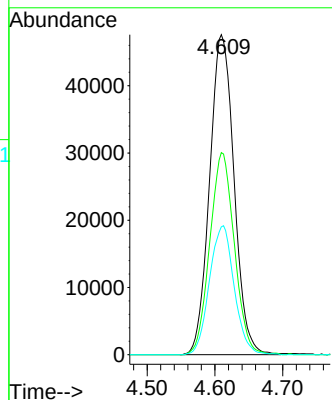
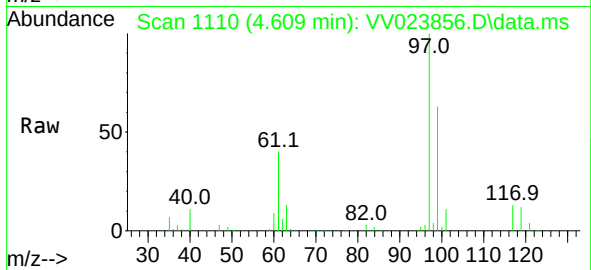
Tgt Ion: 97 Resp: 119266

Ion Ratio Lower Upper

97 100

99 63.3 51.9 77.9

61 40.8 33.2 49.8



#31

Carbon tetrachloride

Concen: 5.471 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. 0.007 min

Lab File: VV023856.D

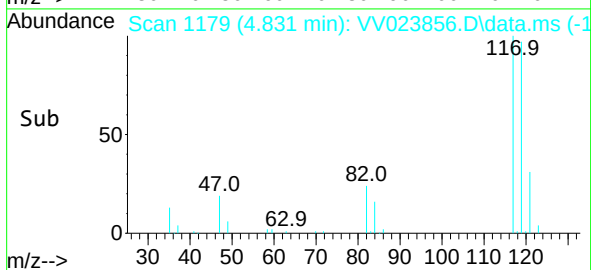
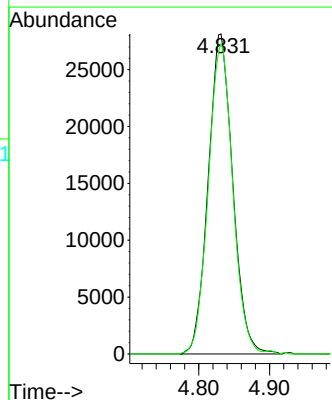
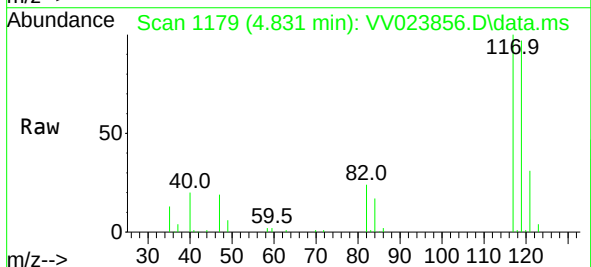
Acq: 09 Dec 2021 13:09

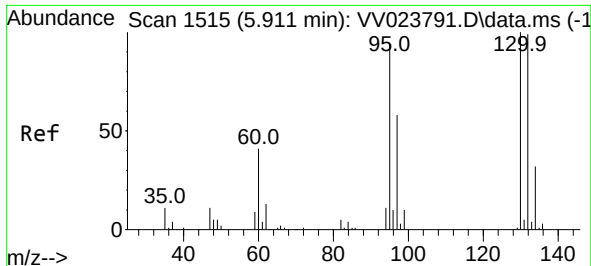
Tgt Ion: 117 Resp: 67550

Ion Ratio Lower Upper

117 100

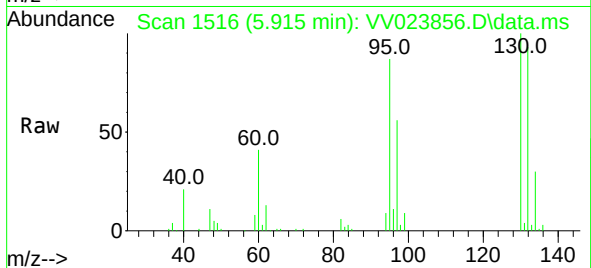
119 96.4 76.6 114.8



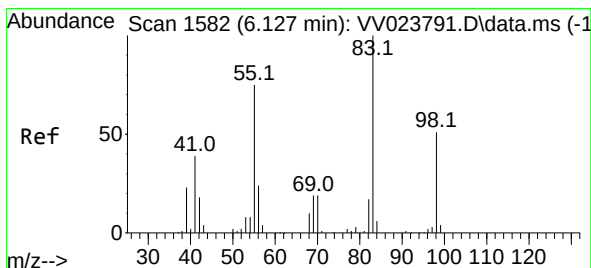
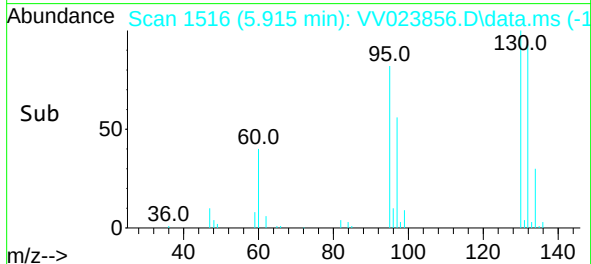
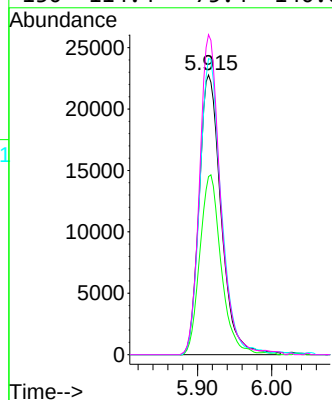


#34
Trichloroethene
Concen: 5.934 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023856.D
Acq: 09 Dec 2021 13:09

Instrument :
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ClientSampleId :

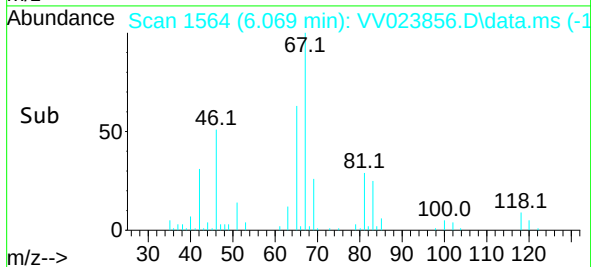
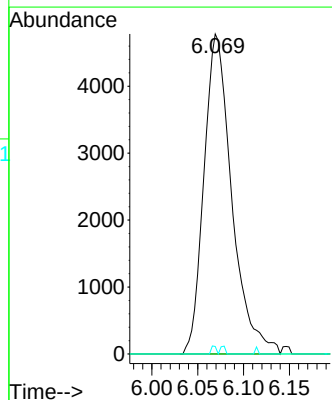
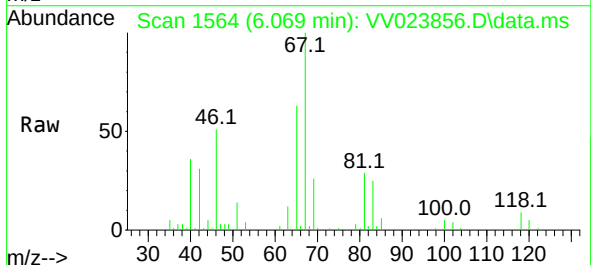


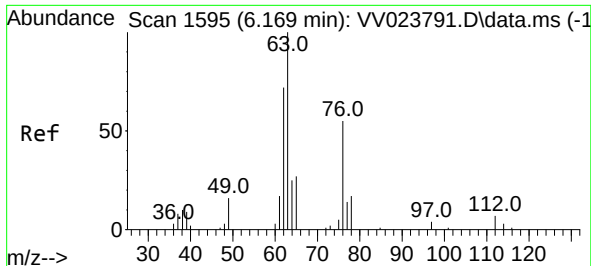
Tgt Ion: 95 Resp: 46749
Ion Ratio Lower Upper
95 100
97 63.7 45.2 84.0
132 105.8 76.1 141.3
130 114.4 75.4 140.0



#35
Methylcyclohexane
Concen: 0.822 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023856.D
Acq: 09 Dec 2021 13:09

Tgt Ion: 83 Resp: 10101
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 0.0 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.688 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

Instrument :

MSVOA_V

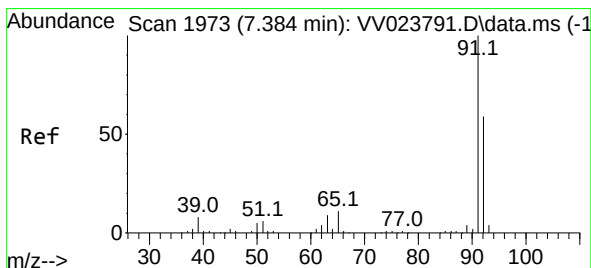
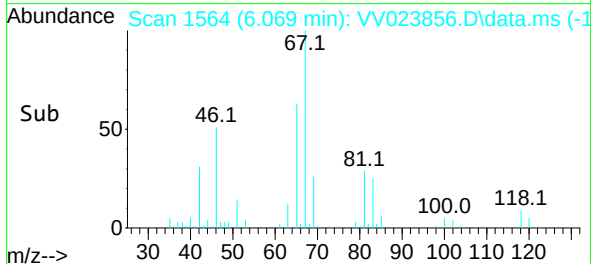
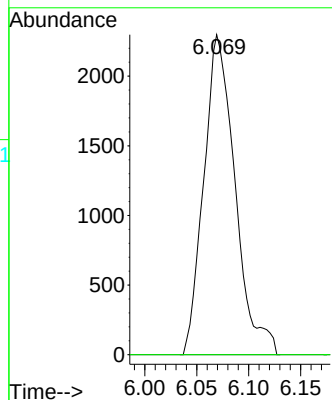
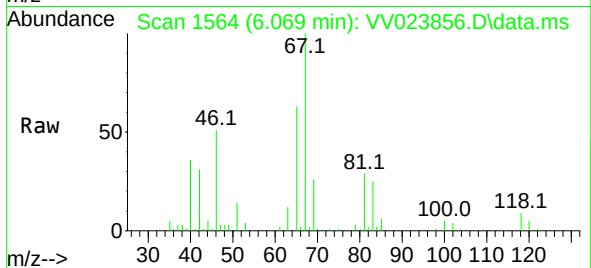
ClientSampleId :

Tgt Ion: 63 Resp: 4807

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#42

Toluene

Concen: 1.461 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.007 min

Lab File: VV023856.D

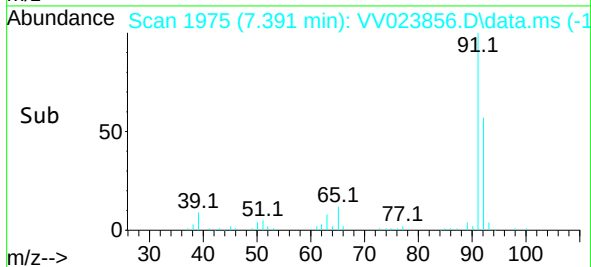
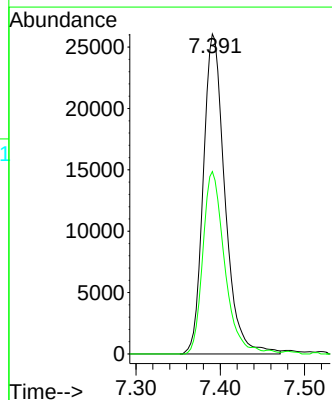
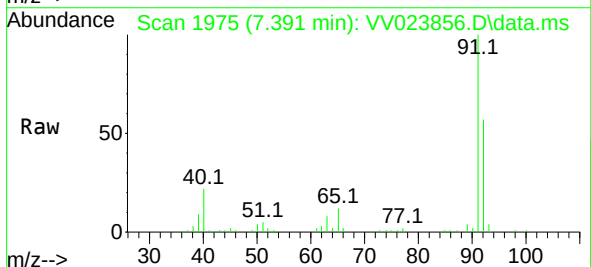
Acq: 09 Dec 2021 13:09

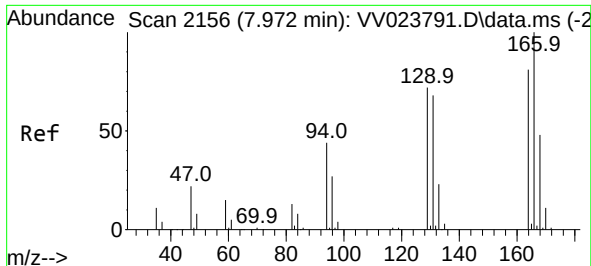
Tgt Ion: 91 Resp: 46590

Ion Ratio Lower Upper

91 100

92 57.0 41.5 77.1





#47

Tetrachloroethene

Concen: 7.078 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

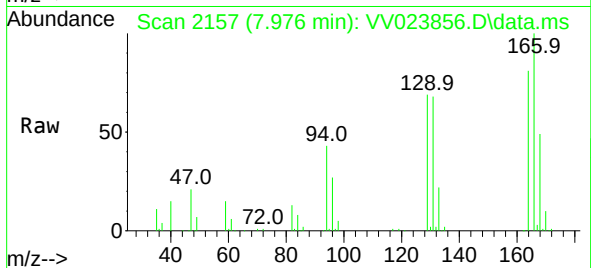
Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 50754

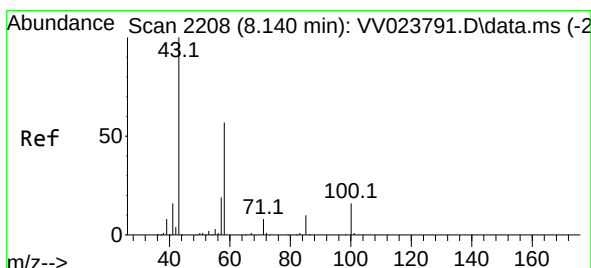
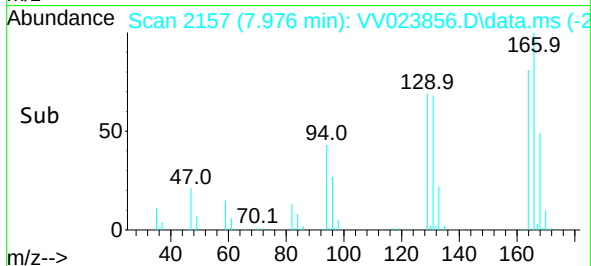
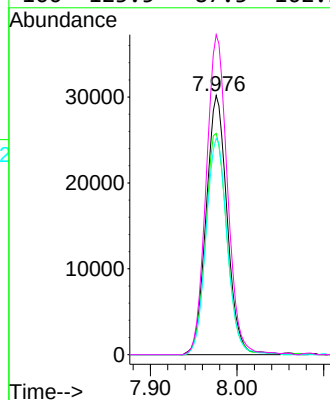
Ion Ratio Lower Upper

164 100

129 85.3 62.6 116.2

131 83.4 61.0 113.4

166 123.5 87.3 162.1



#48

2-Hexanone

Concen: 3.041 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. -0.051 min

Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

Tgt Ion: 43 Resp: 7499

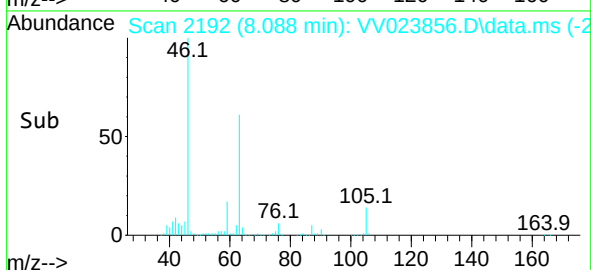
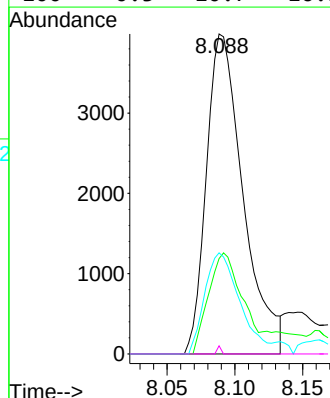
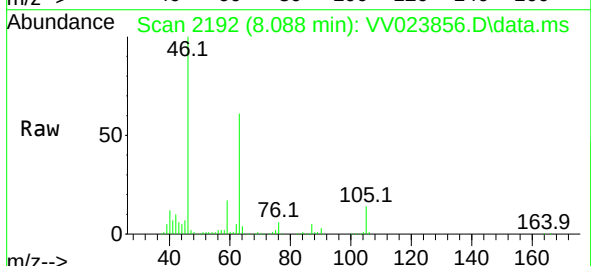
Ion Ratio Lower Upper

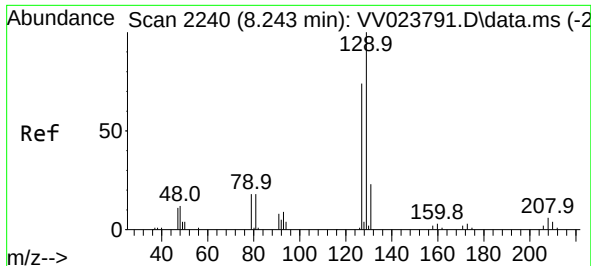
43 100

58 29.5 44.5 66.7#

57 30.2 15.1 22.7#

100 0.3 10.7 16.1#





#49

Dibromochloromethane

Concen: 6.329 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023856.D

Acq: 09 Dec 2021 13:09

Instrument :

MSVOA_V

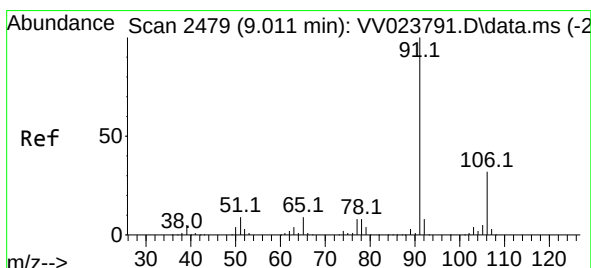
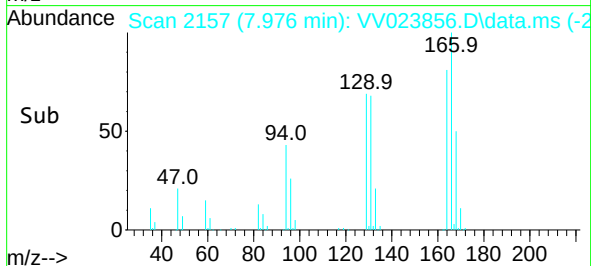
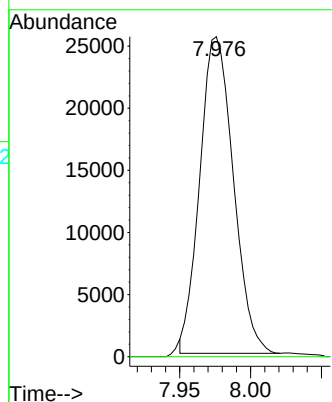
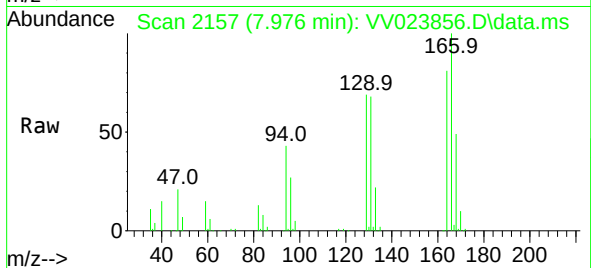
ClientSampleId :

Tgt Ion:129 Resp: 41979

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 0.144 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.007 min

Lab File: VV023856.D

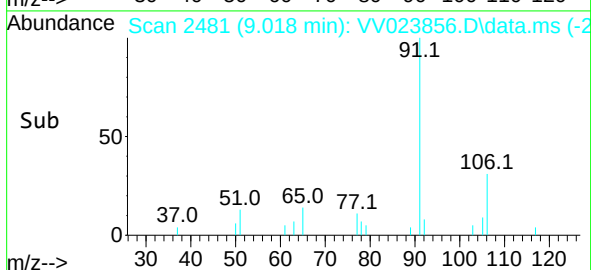
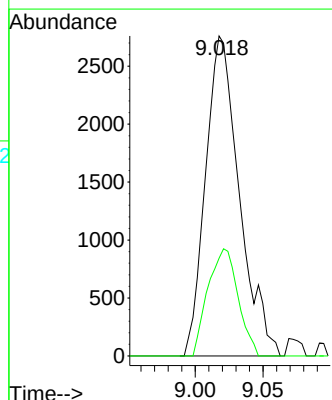
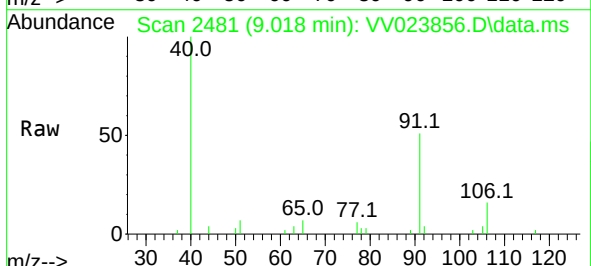
Acq: 09 Dec 2021 13:09

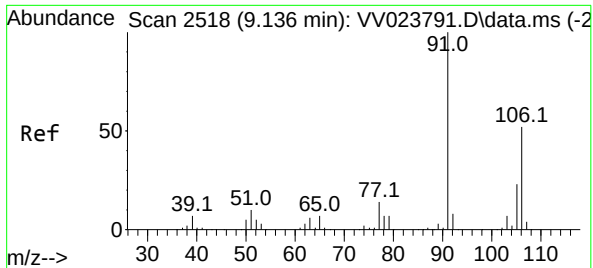
Tgt Ion: 91 Resp: 4787

Ion Ratio Lower Upper

91 100

106 30.5 22.0 41.0

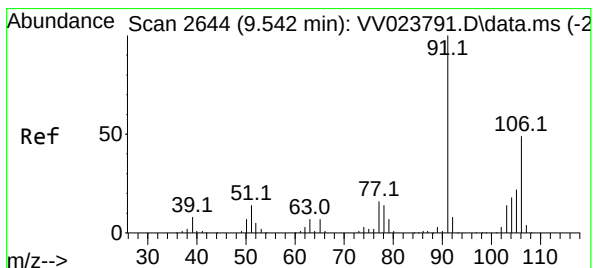
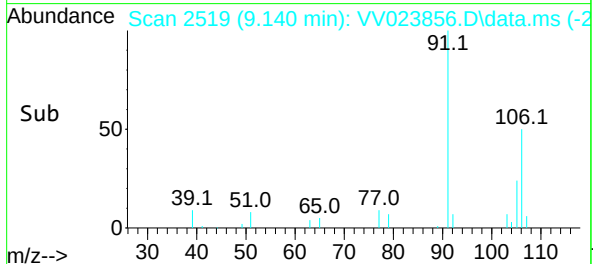
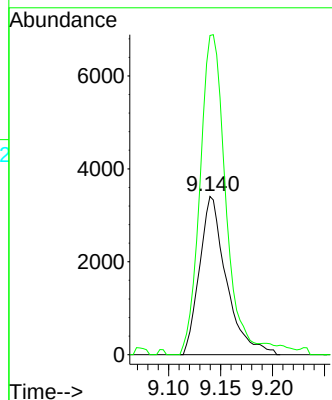
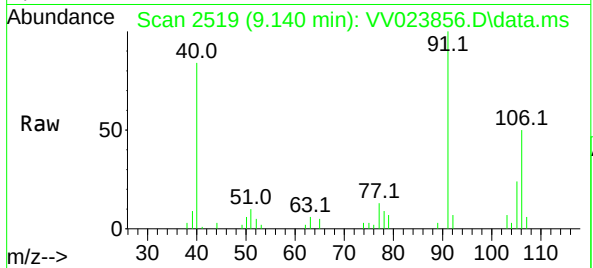




#53
m,p-xylene
Concen: 0.460 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV023856.D
Acq: 09 Dec 2021 13:09

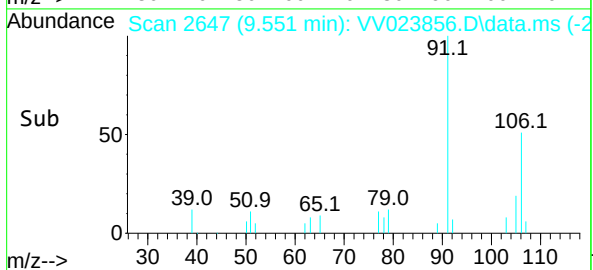
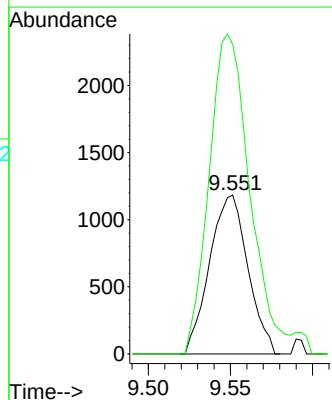
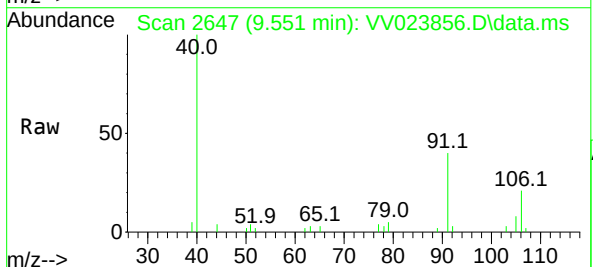
Instrument :
MSVOA_V
ClientSampleId :

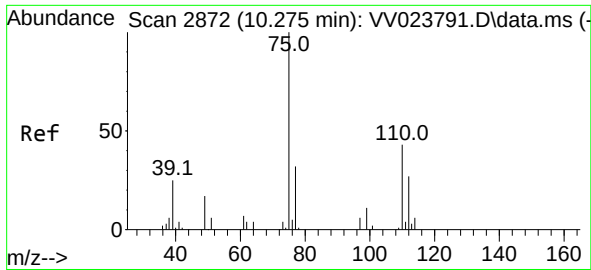
Tgt Ion:106 Resp: 6110
Ion Ratio Lower Upper
106 100
91 201.6 139.5 259.1



#54
o-xylene
Concen: 0.152 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.010 min
Lab File: VV023856.D
Acq: 09 Dec 2021 13:09

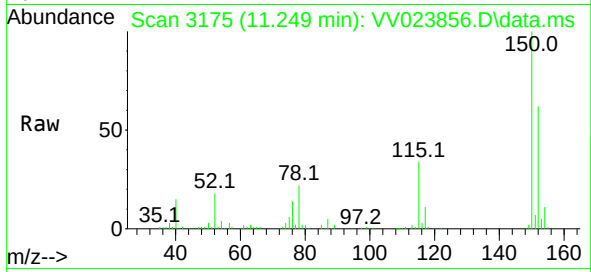
Tgt Ion:106 Resp: 1915
Ion Ratio Lower Upper
106 100
91 194.8 147.9 274.7





#61
 1,2,3-Trichloropropane
 Concen: 1.389 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV023856.D
 Acq: 09 Dec 2021 13:09

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 5045
 Ion Ratio Lower Upper
 75 100
 77 37.9 26.4 39.6
 110 2.4 34.2 51.2#

