

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023830.D
 Acq On : 07 Dec 2021 18:08
 Operator : SY/MD
 Sample : M4879-05DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 08 01:16:58 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	149863	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	142692	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37745	3.068	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.400%
7) Chloroethane-d5	1.568	69	34735	3.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.800%
11) 1,1-Dichloroethene-d2	2.108	63	54404	2.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.200%#
20) 2-Butanone-d5	3.912	46	90007	60.859	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.720%
24) Chloroform-d	4.349	84	93569	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.034	65	45948	4.591	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.050	84	179317	4.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.069	67	55443	5.088	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.317	98	162542	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.625	79	20676	4.707	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.088	63	93476	64.051	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40060	5.109	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	71310	5.242	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.201	62	569	0.044	ug/L	83
6) Bromomethane	1.526	94	374	0.051	ug/L	92
8) Chloroethane	1.587	64	3434	0.417	ug/L #	59
22) cis-1,2-Dichloroethene	3.915	96	17714	1.615	ug/L	91
30) Cyclohexane	4.677	56	10874	0.699	ug/L	94
34) Trichloroethene	5.918	95	9235	0.847	ug/L	90
35) Methylcyclohexane	6.130	83	7627	0.449	ug/L	93
37) 1,2-Dichloropropane	6.072	63	6446	0.667	ug/L #	85
42) Toluene	7.394	91	22180	0.503	ug/L	100
45) 1,1,2-Trichloroethane	7.786	97	2669	0.399	ug/L #	20
47) Tetrachloroethene	7.979	164	5939	0.599	ug/L	93
49) Dibromochloromethane	7.979	129	5459	0.595	ug/L #	11
52) Ethylbenzene	9.011	91	255618	5.543	ug/L	100
53) m,p-xylene	9.140	106	138829	7.564	ug/L	99
54) o-xylene	9.545	106	30078	1.723	ug/L	99
55) Styrene	9.545	104	1803	0.061	ug/L #	1
60) Isopropylbenzene	9.931	105	26335	0.573	ug/L #	66
61) 1,2,3-Trichloropropane	10.345	75	742	0.136	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	161553	4.226	ug/L	98

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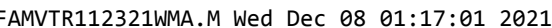
Instrument :
MSVOA_V
ClientSampleId :

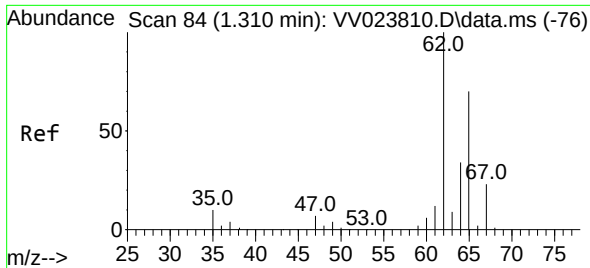
Quant Time: Dec 08 01:16:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.915	105	666028	17.616	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	791	0.730	ug/L #	1
71) Naphthalene	13.503	128	108532	5.667	ug/L	97

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

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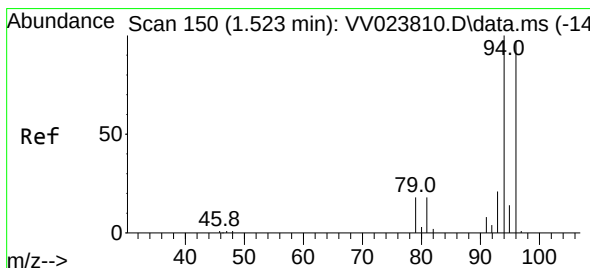
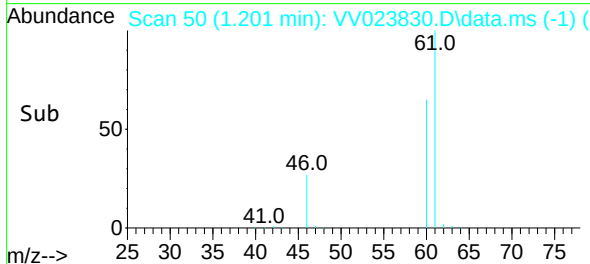
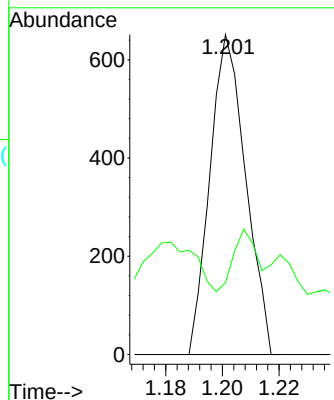
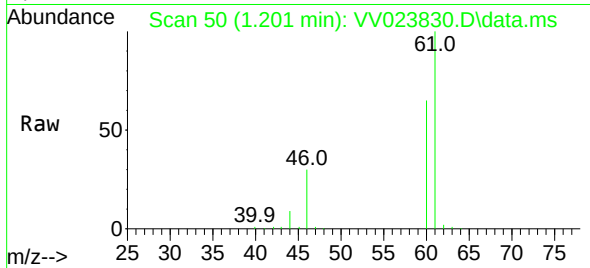




#5
 Vinyl chloride
 Concen: 0.044 ug/L
 RT: 1.201 min Scan# 50
 Delta R.T. -0.109 min
 Lab File: VV023830.D
 Acq: 07 Dec 2021 18:08

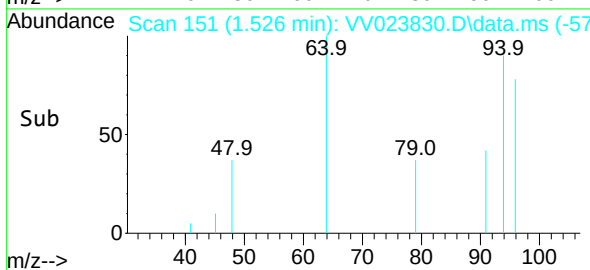
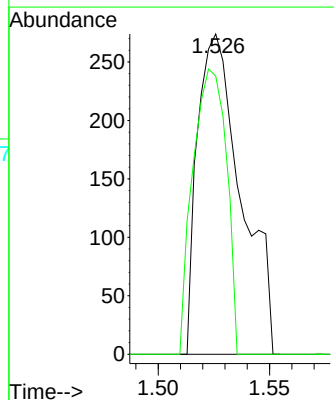
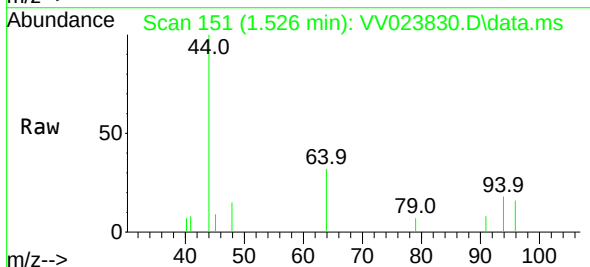
Instrument :
 MSVOA_V
 ClientSampleId :

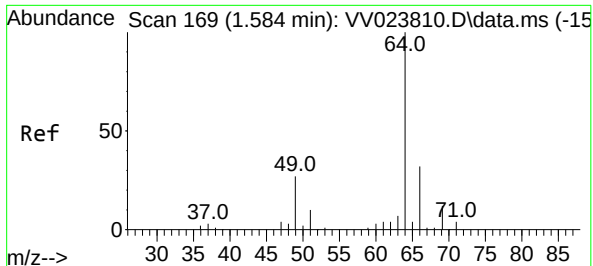
Tgt Ion: 62 Resp: 569
 Ion Ratio Lower Upper
 62 100
 64 22.4 22.4 41.6



#6
 Bromomethane
 Concen: 0.051 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023830.D
 Acq: 07 Dec 2021 18:08

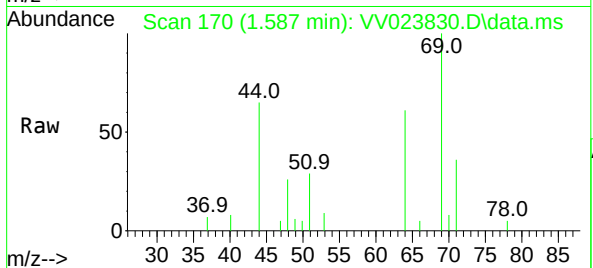
Tgt Ion: 94 Resp: 374
 Ion Ratio Lower Upper
 94 100
 96 86.9 66.2 123.0



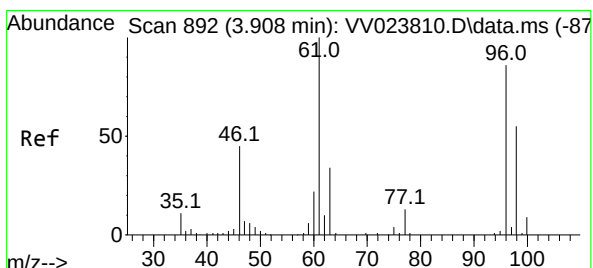
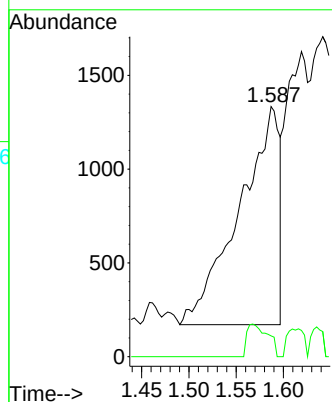
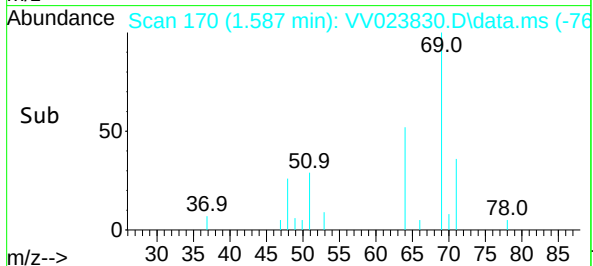


#8
Chloroethane
Concen: 0.417 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Instrument :
MSVOA_V
ClientSampleId :

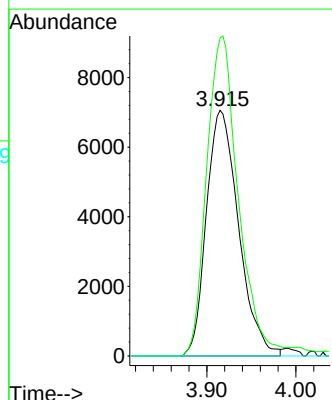
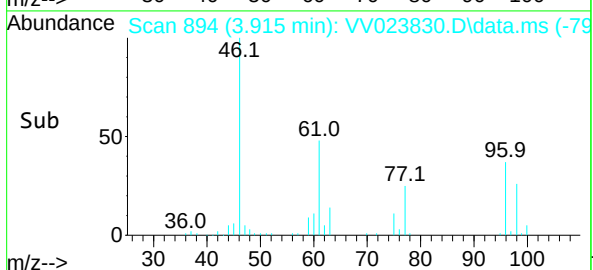
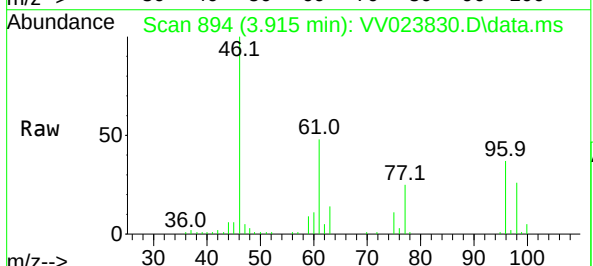


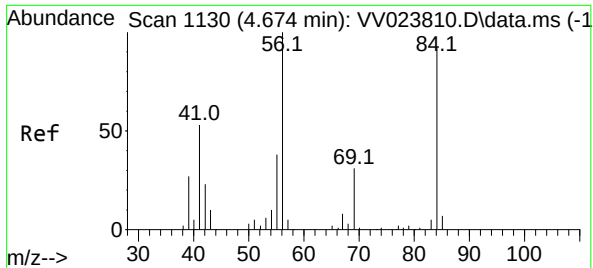
Tgt Ion: 64 Resp: 3434
Ion Ratio Lower Upper
64 100
66 8.3 21.4 39.8#



#22
cis-1,2-Dichloroethene
Concen: 1.615 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

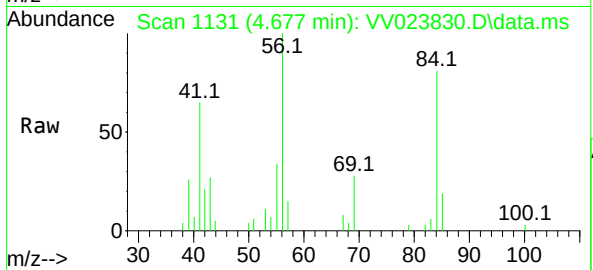
Tgt Ion: 96 Resp: 17714
Ion Ratio Lower Upper
96 100
61 129.5 83.4 154.8
68 0.0 0.0 0.0



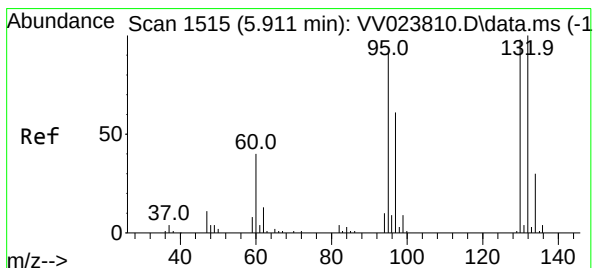
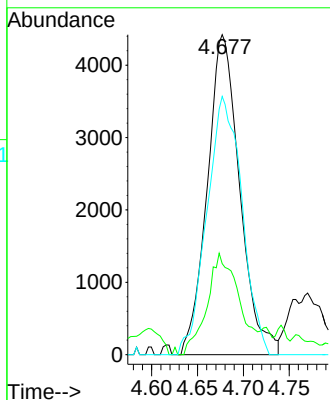
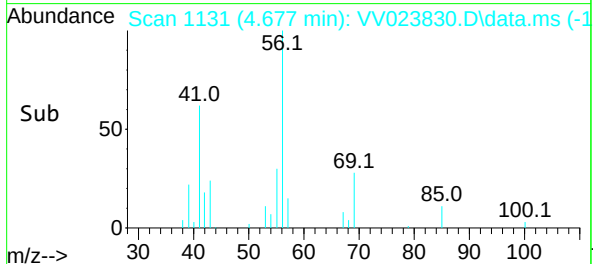


#30
Cyclohexane
Concen: 0.699 ug/L
RT: 4.677 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

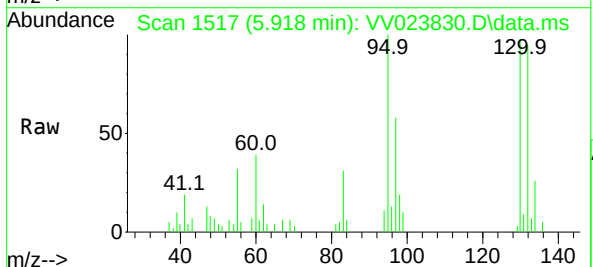
Instrument :
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ClientSampleId :



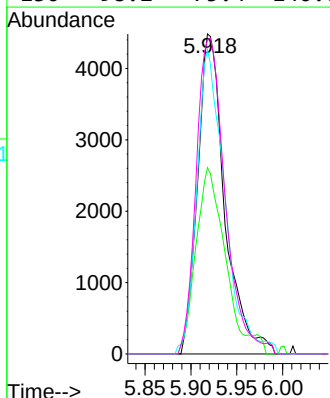
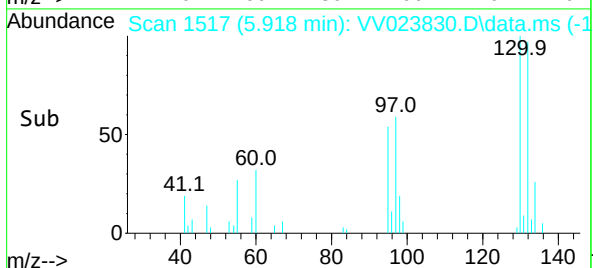
Tgt Ion:	56	Resp:	10874
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.8	37.2
84	87.0	75.9	113.9

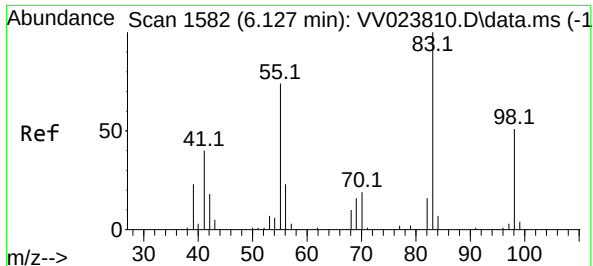


#34
Trichloroethene
Concen: 0.847 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08



Tgt Ion:	95	Resp:	9235
Ion	Ratio	Lower	Upper
95	100		
97	58.2	45.2	84.0
132	95.2	76.1	141.3
130	98.2	75.4	140.0

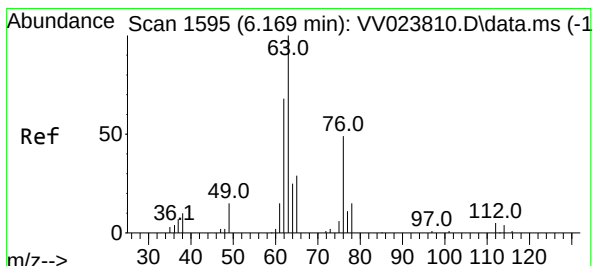
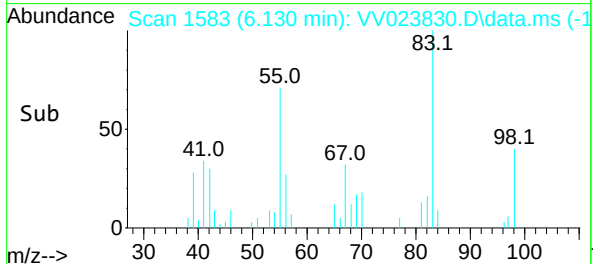
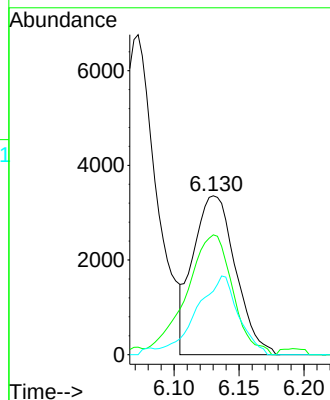
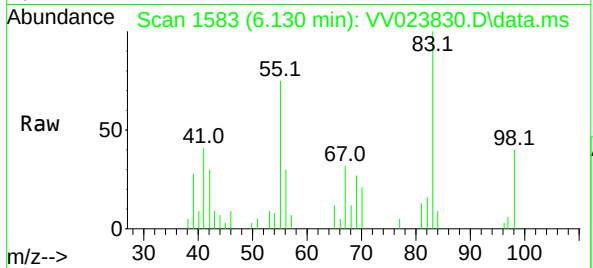




#35
Methylcyclohexane
Concen: 0.449 ug/L
RT: 6.130 min Scan# 1565
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

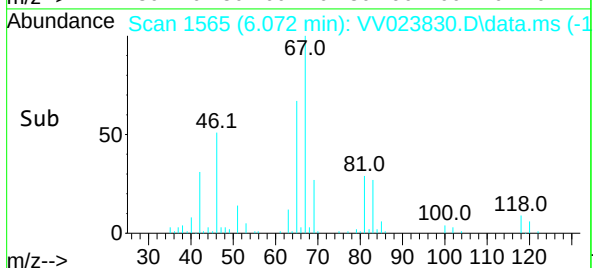
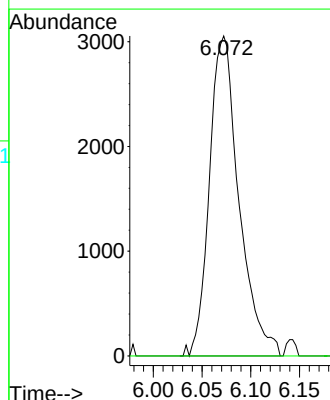
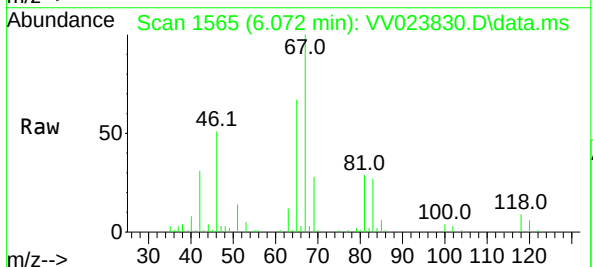
Instrument :
MSVOA_V
ClientSampleId :

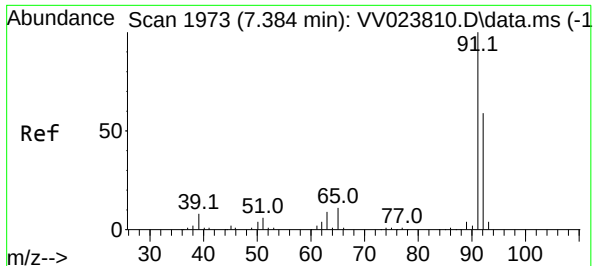
Tgt Ion: 83 Resp: 7627
Ion Ratio Lower Upper
83 100
55 82.6 60.2 90.2
98 48.6 41.0 61.4



#37
1,2-Dichloropropane
Concen: 0.667 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.096 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Tgt Ion: 63 Resp: 6446
Ion Ratio Lower Upper
63 100
112 0.3 4.3 6.5#





#42

Toluene

Concen: 0.503 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV023830.D

Acq: 07 Dec 2021 18:08

Instrument :

MSVOA_V

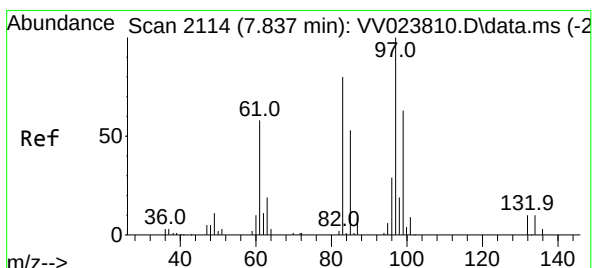
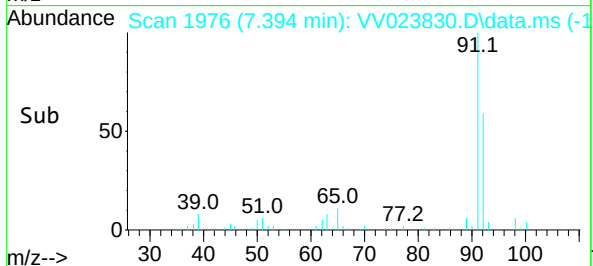
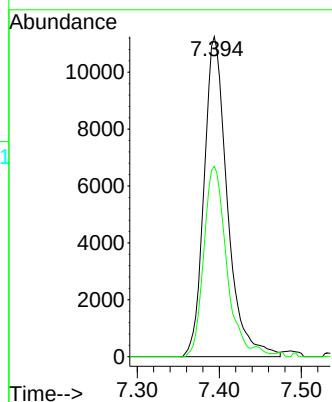
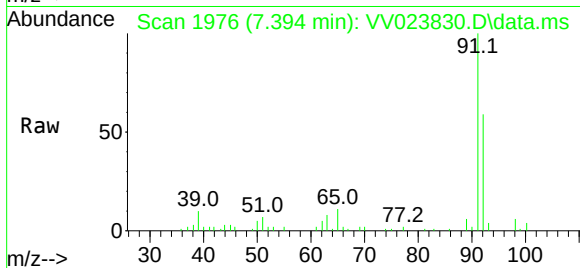
ClientSampleId :

Tgt Ion: 91 Resp: 22180

Ion Ratio Lower Upper

91 100

92 59.5 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.399 ug/L

RT: 7.786 min Scan# 2098

Delta R.T. -0.051 min

Lab File: VV023830.D

Acq: 07 Dec 2021 18:08

Tgt Ion: 97 Resp: 2669

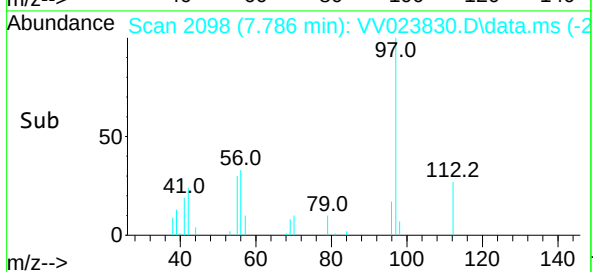
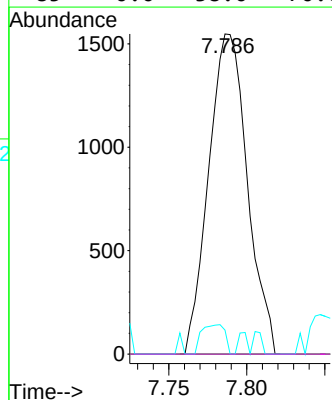
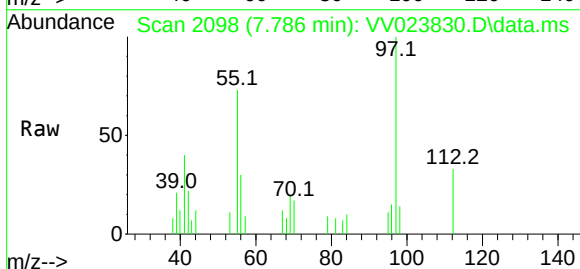
Ion Ratio Lower Upper

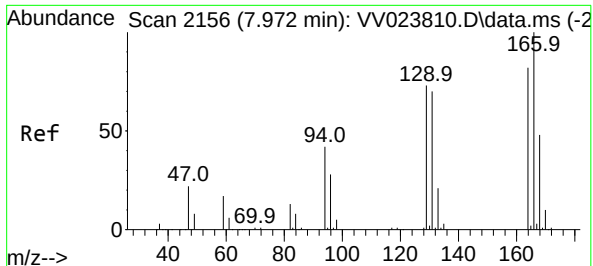
97 100

99 0.0 43.1 80.1#

83 7.5 57.9 107.5#

85 0.0 38.0 70.6#





#47

Tetrachloroethene

Concen: 0.599 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

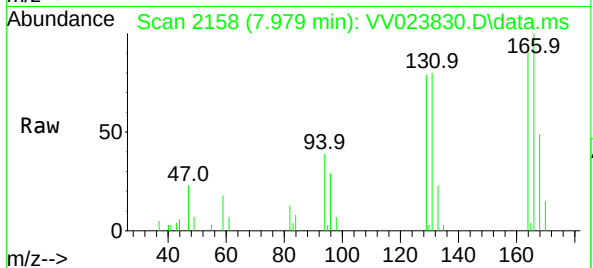
Lab File: VV023830.D

Acq: 07 Dec 2021 18:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 5939

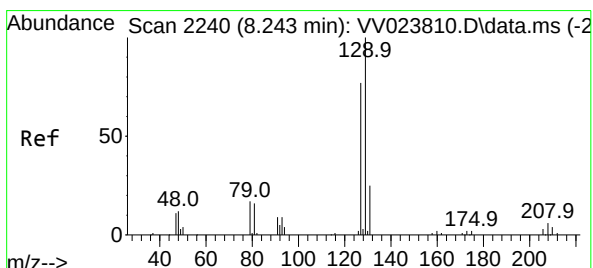
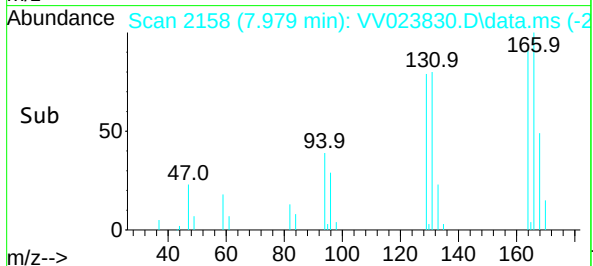
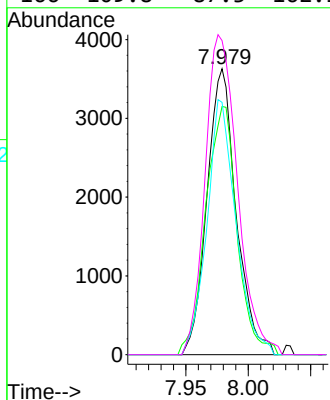
Ion Ratio Lower Upper

164 100

129 86.8 62.6 116.2

131 88.2 61.0 113.4

166 109.8 87.3 162.1



#49

Dibromochloromethane

Concen: 0.595 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV023830.D

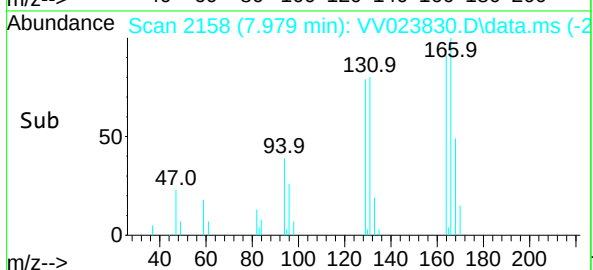
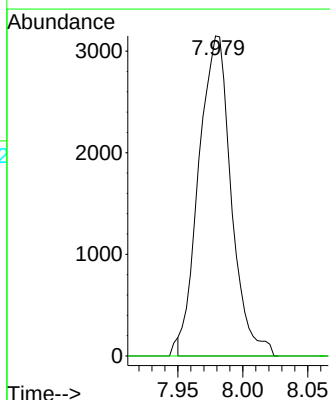
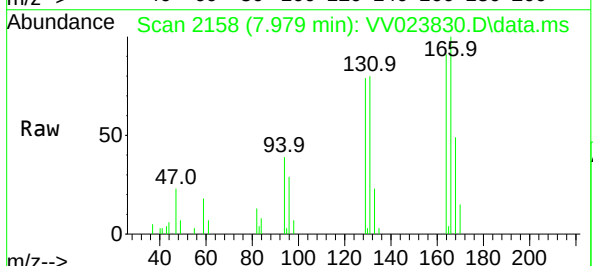
Acq: 07 Dec 2021 18:08

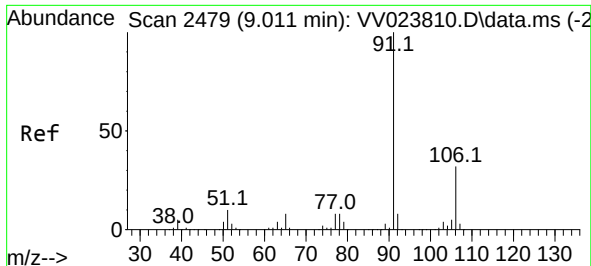
Tgt Ion:129 Resp: 5459

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#





#52

Ethylbenzene

Concen: 5.543 ug/L

RT: 9.011 min Scan# 24

Delta R.T. 0.000 min

Lab File: VV023830.D

Acq: 07 Dec 2021 18:08

Instrument :

MSVOA_V

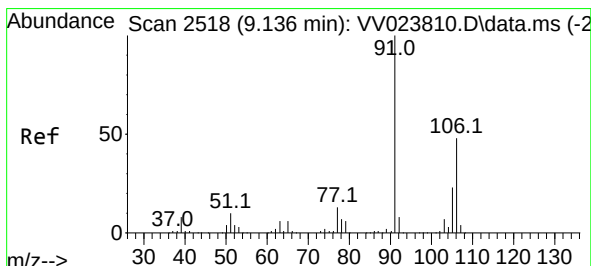
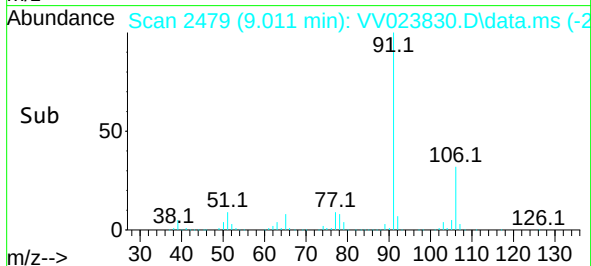
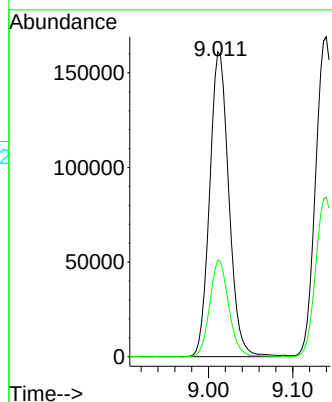
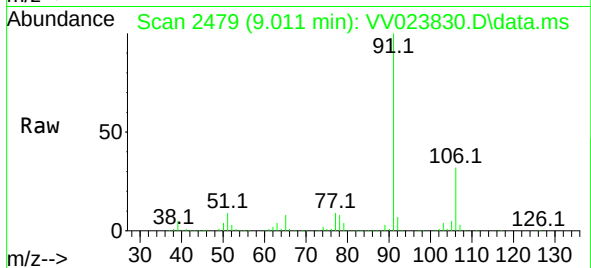
ClientSampleId :

Tgt Ion: 91 Resp: 255618

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-xylene

Concen: 7.564 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023830.D

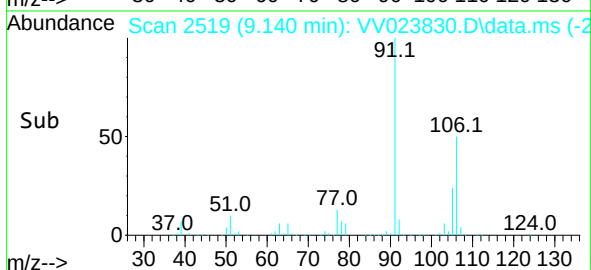
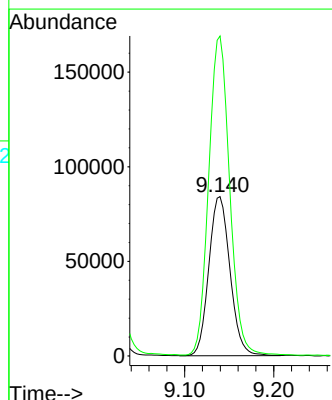
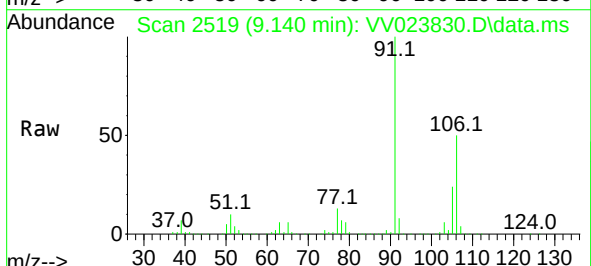
Acq: 07 Dec 2021 18:08

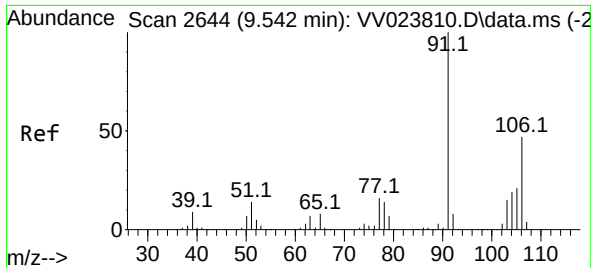
Tgt Ion: 106 Resp: 138829

Ion Ratio Lower Upper

106 100

91 200.7 139.5 259.1

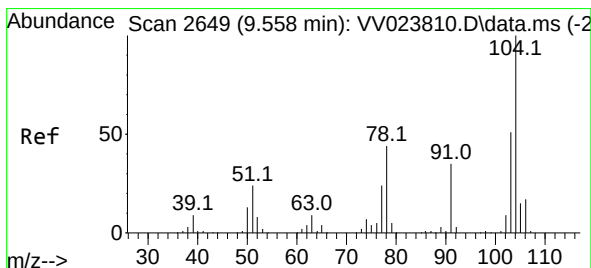
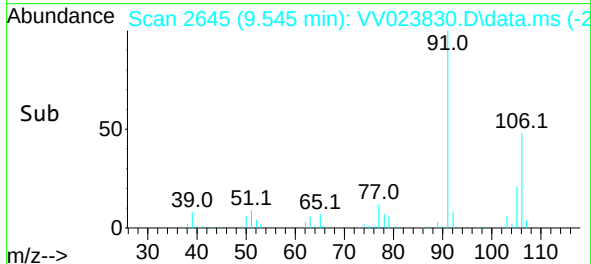
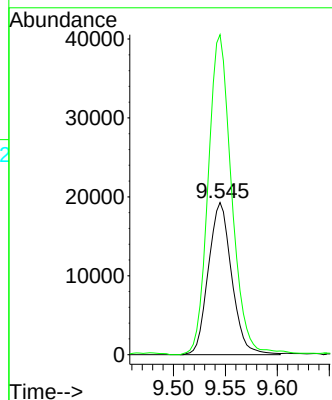
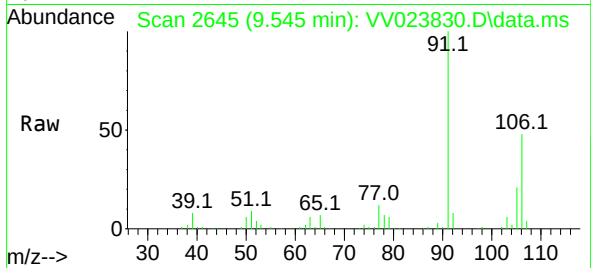




#54
o-xylene
Concen: 1.723 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

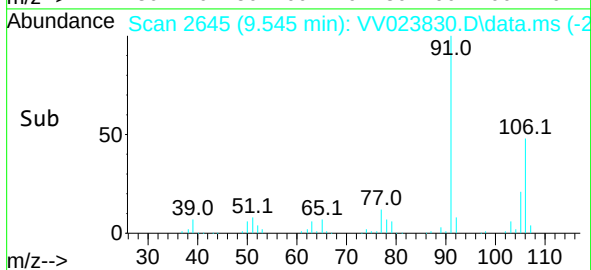
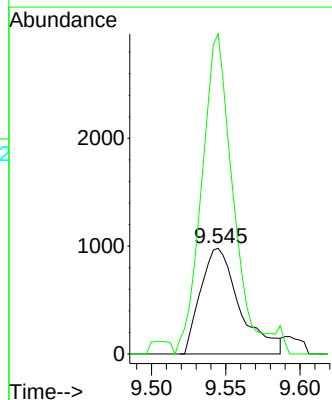
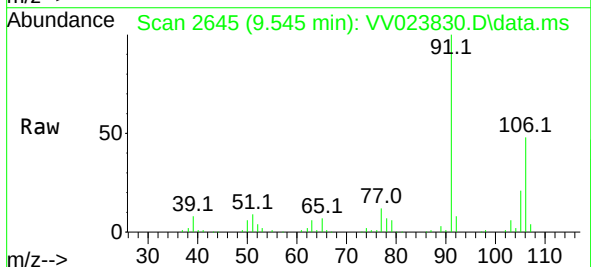
Instrument :
MSVOA_V
ClientSampleId :

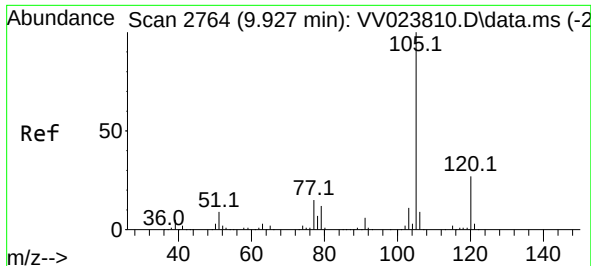
Tgt Ion:106 Resp: 30078
Ion Ratio Lower Upper
106 100
91 210.3 147.9 274.7



#55
Styrene
Concen: 0.061 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. -0.013 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

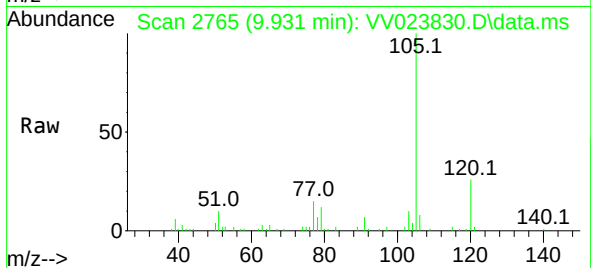
Tgt Ion:104 Resp: 1803
Ion Ratio Lower Upper
104 100
78 302.5 31.0 57.6#



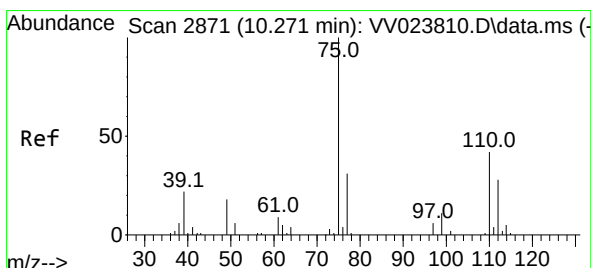
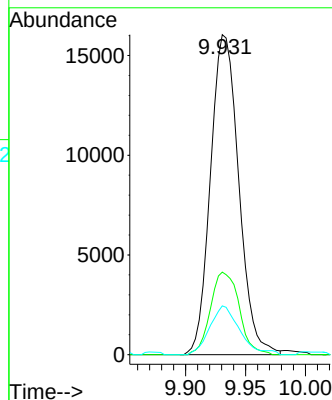
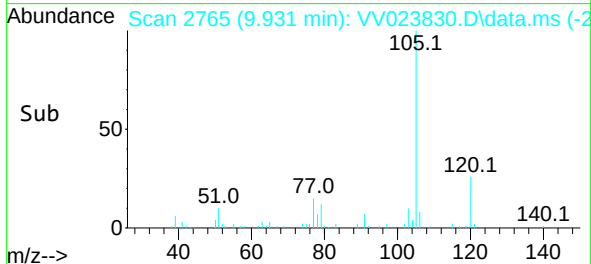


#60
Isopropylbenzene
Concen: 0.573 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

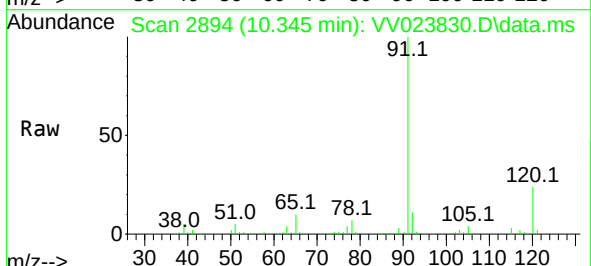
Instrument :
MSVOA_V
ClientSampleId :



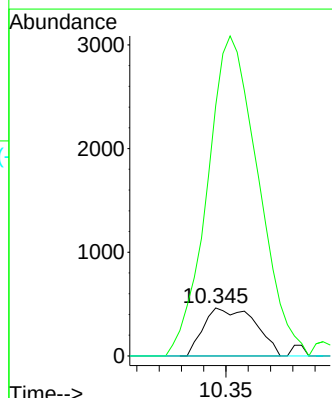
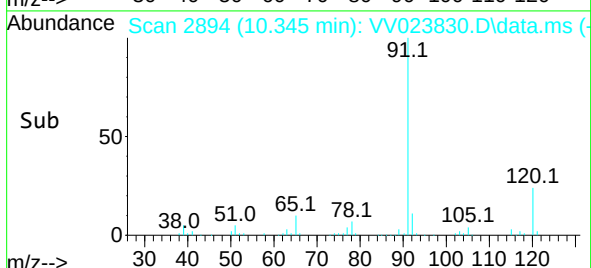
Tgt Ion:105 Resp: 26335
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 16.1 12.2 18.4

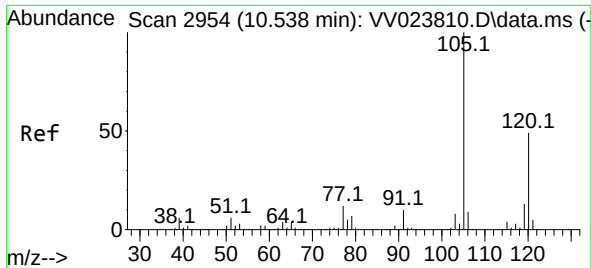


#61
1,2,3-Trichloropropane
Concen: 0.136 ug/L
RT: 10.345 min Scan# 2894
Delta R.T. 0.074 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08



Tgt Ion: 75 Resp: 742
Ion Ratio Lower Upper
75 100
77 661.1 26.4 39.6#
110 0.0 34.2 51.2#

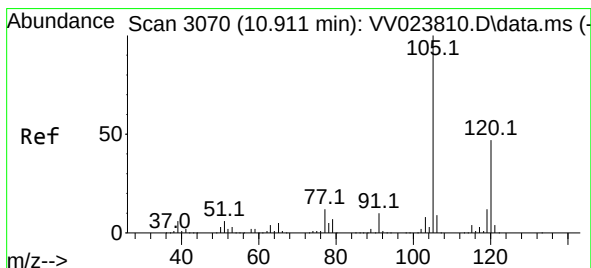
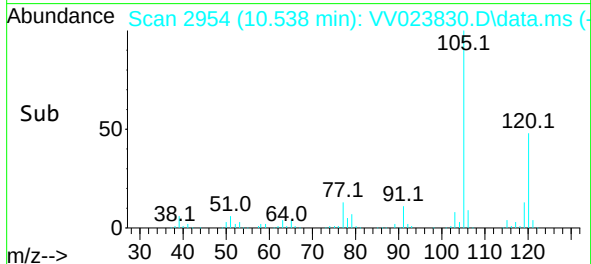
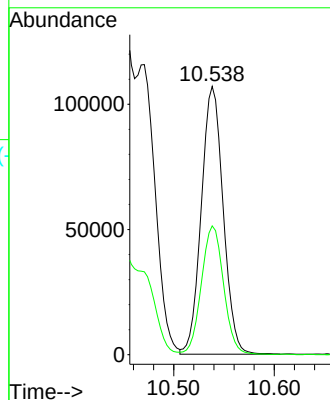
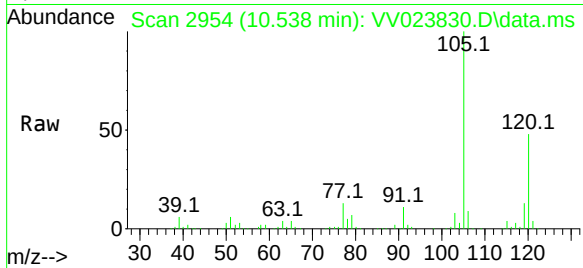




#62
 1,3,5-Trimethylbenzene
 Concen: 4.226 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023830.D
 Acq: 07 Dec 2021 18:08

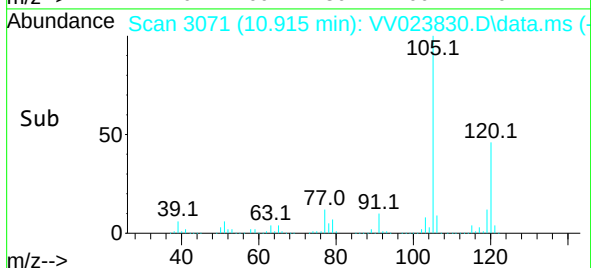
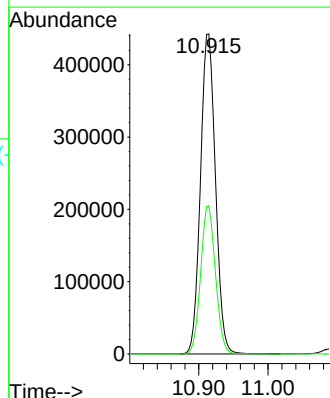
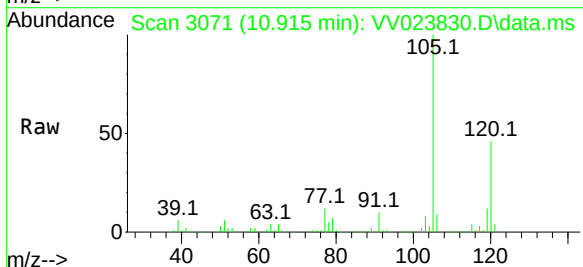
Instrument :
 MSVOA_V
 ClientSampleId :

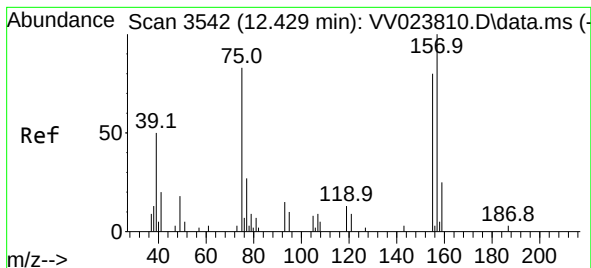
Tgt Ion:105 Resp: 161553
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 17.616 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV023830.D
 Acq: 07 Dec 2021 18:08

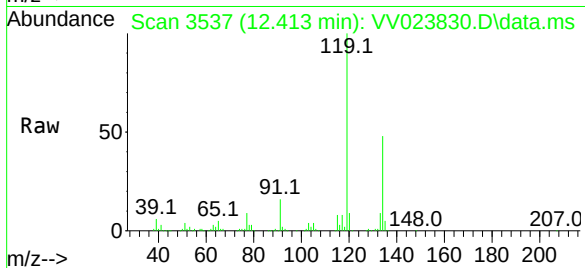
Tgt Ion:105 Resp: 666028
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.7 55.1



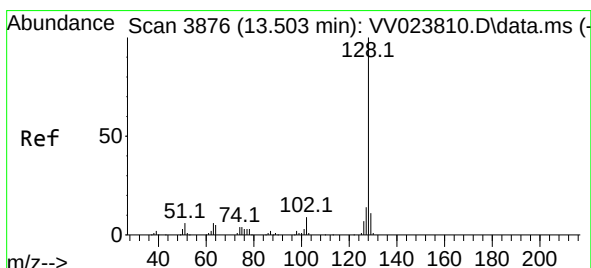
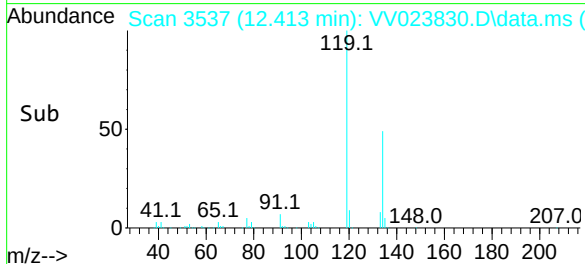
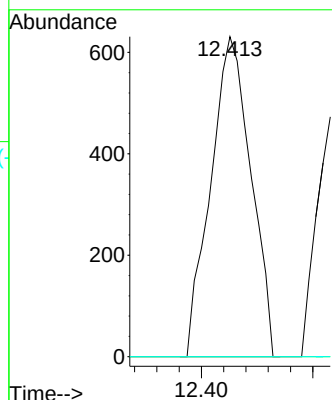


#68
1,2-Dibromo-3-chloropropane
Concen: 0.730 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.013 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 791
Ion Ratio Lower Upper
75 100
155 0.0 71.7 107.5#
157 0.0 103.3 154.9#



#71
Naphthalene
Concen: 5.667 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023830.D
Acq: 07 Dec 2021 18:08

Tgt Ion: 128 Resp: 108532
Ion Ratio Lower Upper
128 100
129 12.7 9.0 13.4
127 13.5 10.2 15.4

