

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092223\
 Data File : VW032161.D
 Acq On : 22 Sep 2023 14:53
 Operator : SY/MD
 Sample : 04527-08ME
 Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 23 01:25:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 23 01:24:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	262476	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	262030	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	141869	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	66921	40.739	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.480%
7) Chloroethane-d5	1.503	69	18468	12.825	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	25.660%#
11) 1,1-Dichloroethene-d2	2.037	65	26965	35.057	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.120%
21) 2-Butanone-d5	3.799	46	84761	65.607	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	65.610%
24) Chloroform-d	4.246	84	121093	33.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.460%#
26) 1,2-Dichloroethane-d4	4.937	65	76684	32.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.360%#
32) Benzene-d6	4.953	84	251511	35.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.360%
36) 1,2-Dichloropropane-d6	5.986	67	87179	37.882	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.760%
41) Toluene-d8	7.243	98	225380	34.210	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.420%#
43) trans-1,3-Dichloroprop...	7.558	79	38736	32.475	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.940%
47) 2-Hexanone-d5	8.043	63	62090	88.026	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.030%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	146286	49.190	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.380%
66) 1,2-Dichlorobenzene-d4	11.567	152	101678	39.316	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.640%#
Target Compounds						Qvalue
29) Cyclohexane	4.574	56	12418	4.552	ug/L #	94
34) Trichloroethene	5.841	95	2157	1.002	ug/L	88
35) Methylcyclohexane	6.043	83	22722	7.934	ug/L	91
37) 1,2-Dichloropropane	5.986	63	9165	4.593	ug/L #	87
48) 2-Hexanone	8.014	43	33740	13.949	ug/L #	31
52) Ethylbenzene	8.950	91	49097	5.352	ug/L	100
53) m,p-Xylene	9.079	106	16583	4.868	ug/L	92
54) o-Xylene	9.487	106	4227	1.248	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	74892	26.241	ug/L #	37
60) Isopropylbenzene	10.416	105	84228	8.864	ug/L	94
61) 1,2,3-Trichloropropane	11.191	75	18958	7.073	ug/L	91
62) 1,3,5-Trimethylbenzene	10.484	105	12862	1.609	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	793226	98.636	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	10443	2.475	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.355	75	5609	6.967	ug/L #	24
71) Naphthalene	13.442	128	485699	51.015	ug/L	98

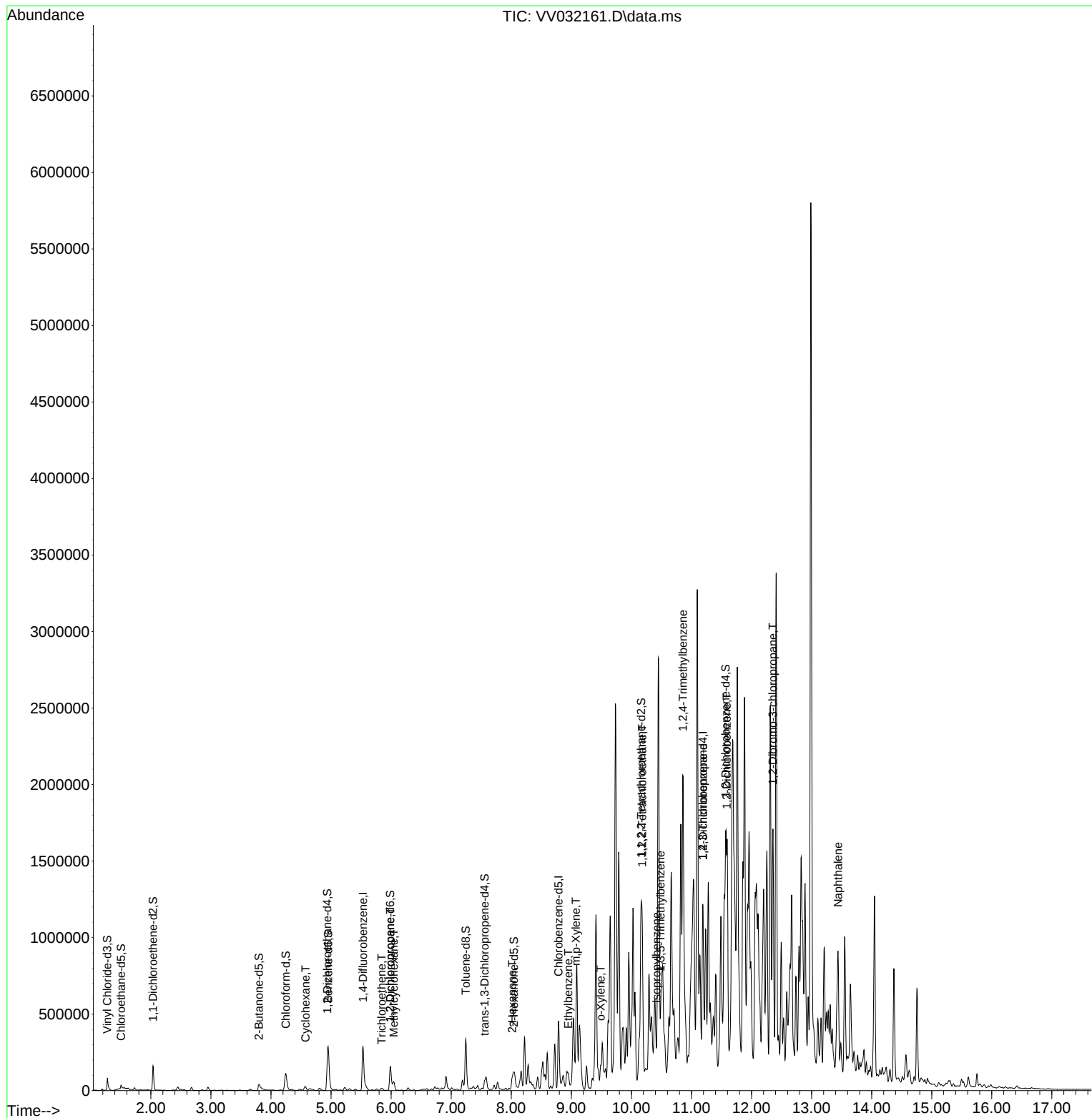
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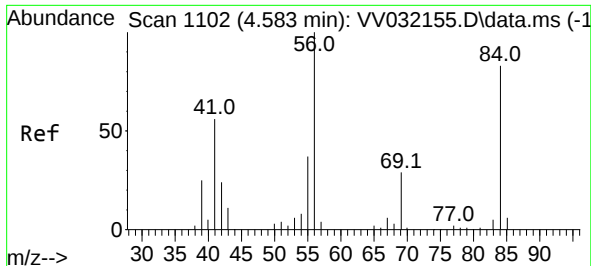
Instrument :
MSVOA_V
ClientSampleId :

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ClientSampleId :

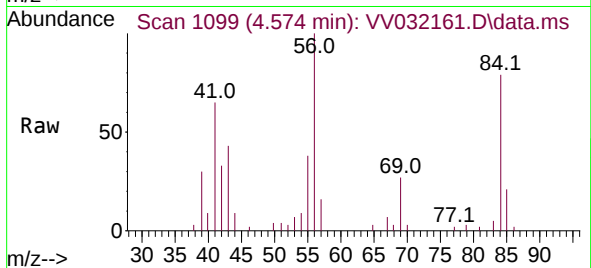
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 23 01:24:00 2023
Response via : Initial Calibration



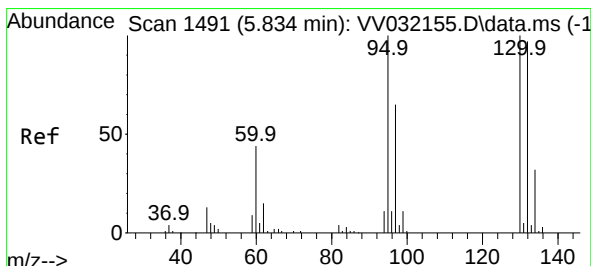
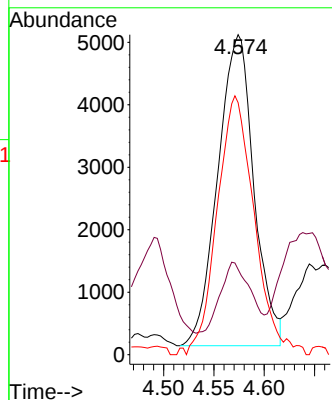
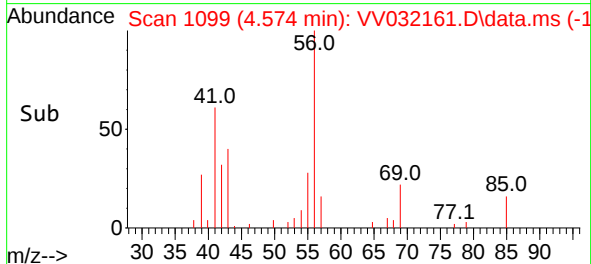


#29
Cyclohexane
Concen: 4.552 ug/L
RT: 4.574 min Scan# 1102
Delta R.T. -0.009 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

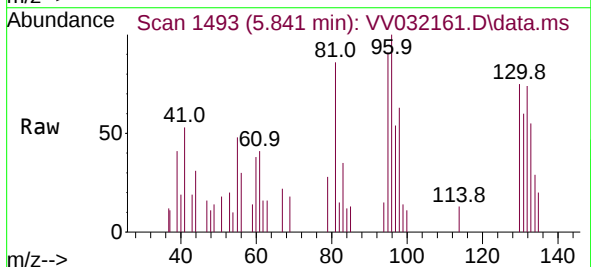
Instrument :
MSVOA_V
ClientSampleId :



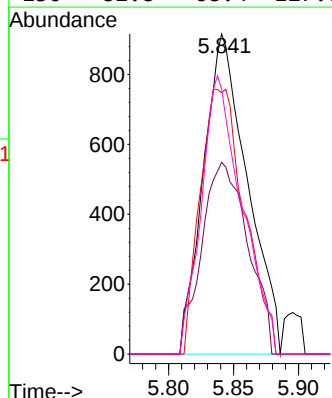
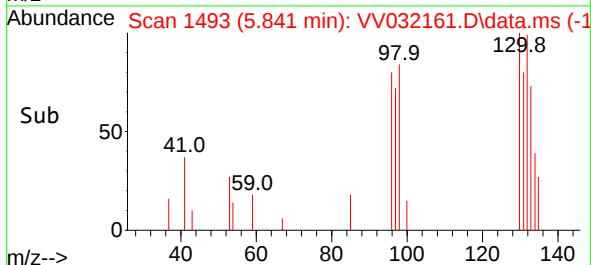
Tgt Ion: 56 Resp: 12418
Ion Ratio Lower Upper
56 100
69 18.1 24.2 36.4#
84 84.3 67.5 101.3

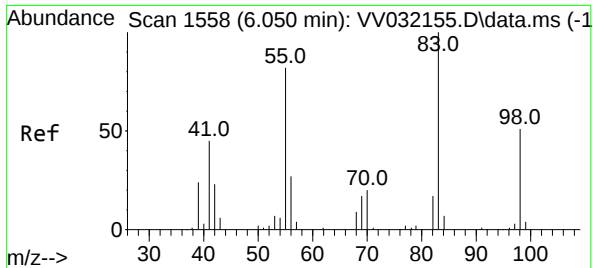


#34
Trichloroethene
Concen: 1.002 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.007 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53



Tgt Ion: 95 Resp: 2157
Ion Ratio Lower Upper
95 100
97 59.9 45.4 84.2
132 81.7 65.4 121.4
130 82.8 68.4 127.0

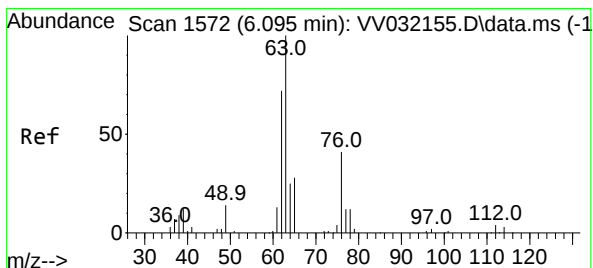
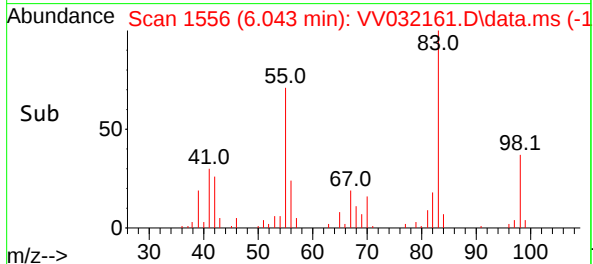
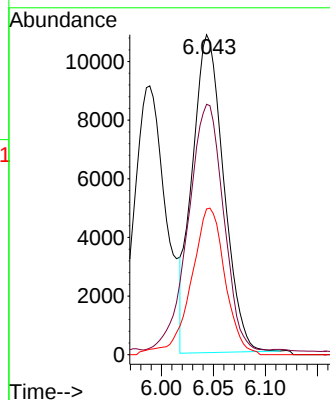
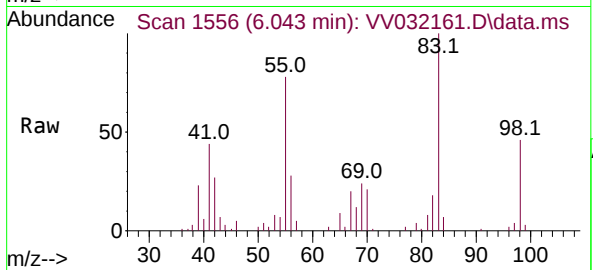




#35
Methylcyclohexane
Concen: 7.934 ug/L
RT: 6.043 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

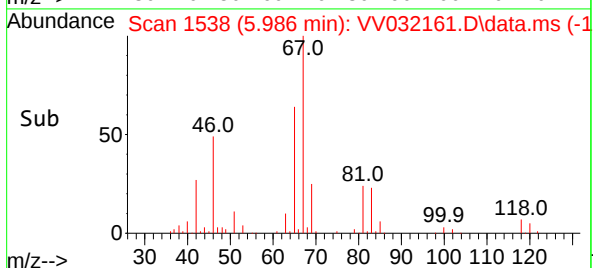
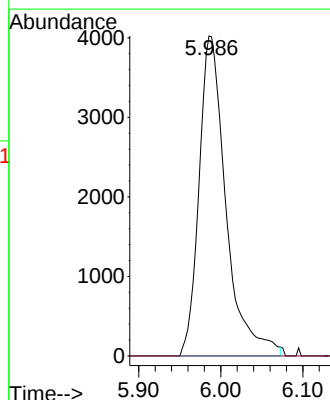
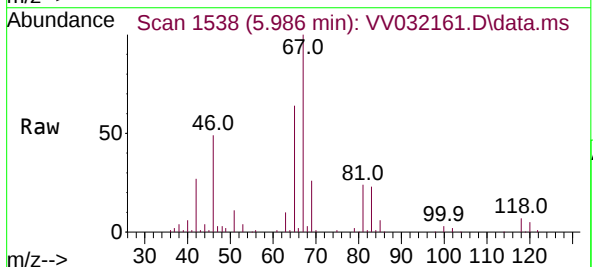
Instrument :
MSVOA_V
ClientSampleId :

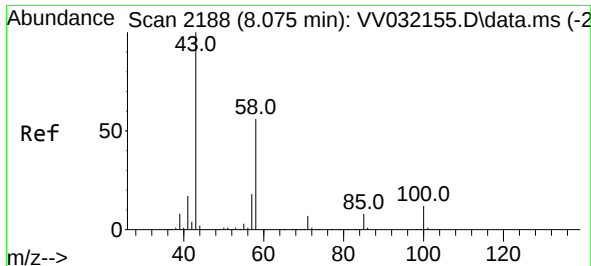
Tgt Ion: 83 Resp: 22722
Ion Ratio Lower Upper
83 100
55 87.1 62.2 93.2
98 49.7 36.7 55.1



#37
1,2-Dichloropropane
Concen: 4.593 ug/L
RT: 5.986 min Scan# 1538
Delta R.T. -0.109 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

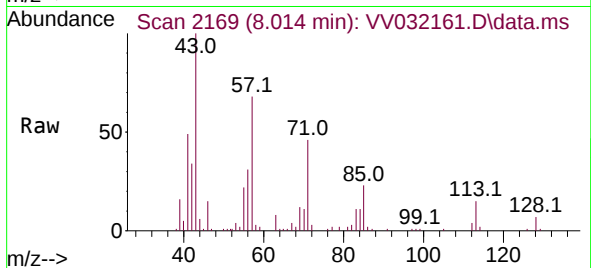
Tgt Ion: 63 Resp: 9165
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



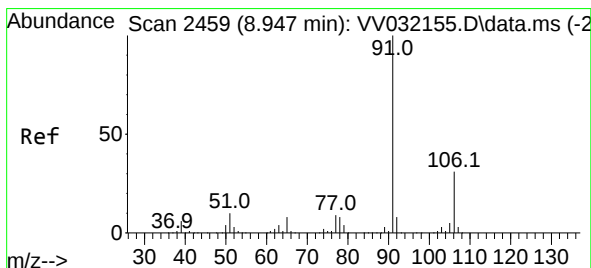
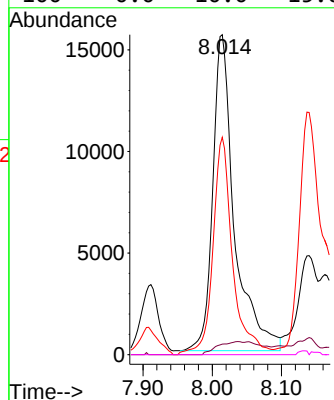
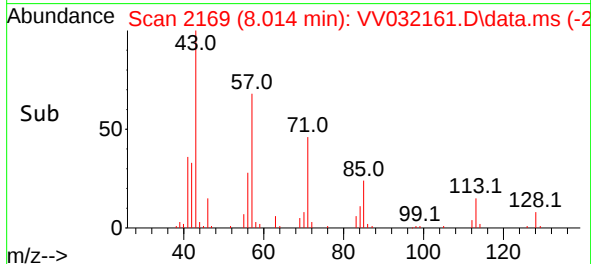


#48
2-Hexanone
Concen: 13.949 ug/L
RT: 8.014 min Scan# 2188
Delta R.T. -0.061 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

Instrument :
MSVOA_V
ClientSampleId :

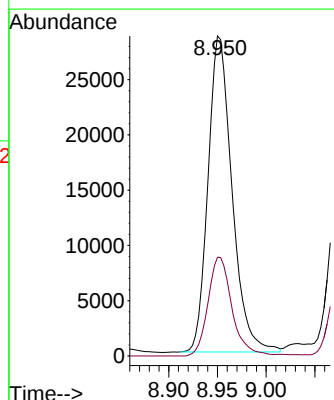
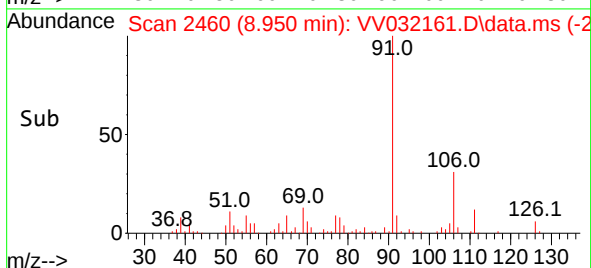
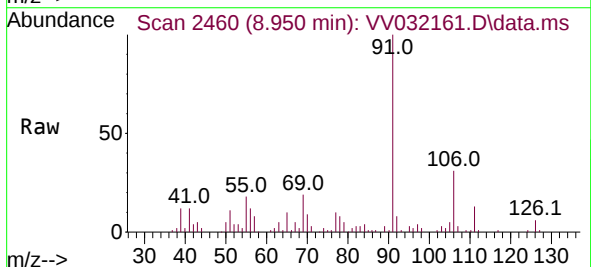


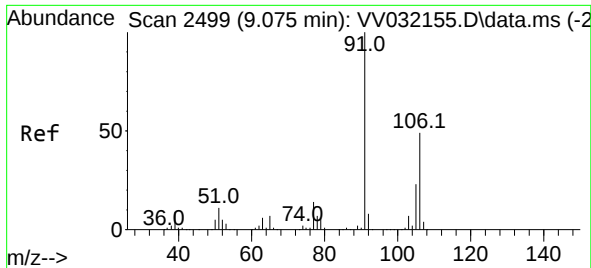
Tgt Ion: 43 Resp: 33740
Ion Ratio Lower Upper
43 100
58 5.0 44.0 66.0#
57 62.4 15.9 23.9#
100 0.0 10.0 15.0#



#52
Ethylbenzene
Concen: 5.352 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

Tgt Ion: 91 Resp: 49097
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9

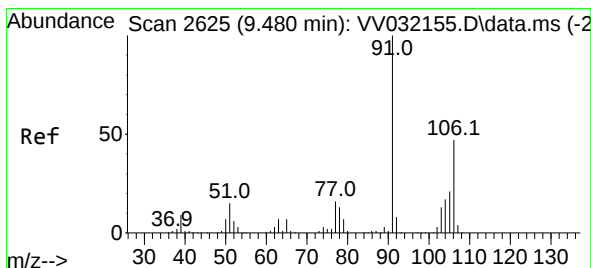
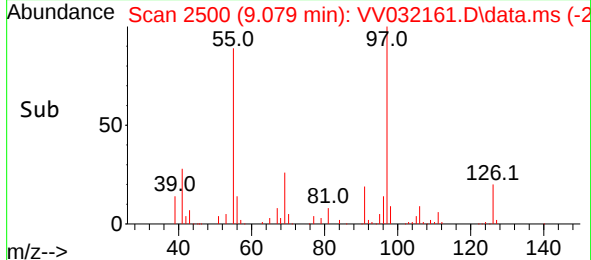
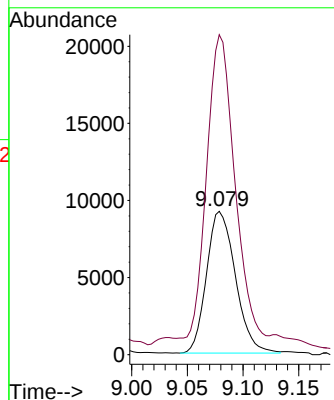
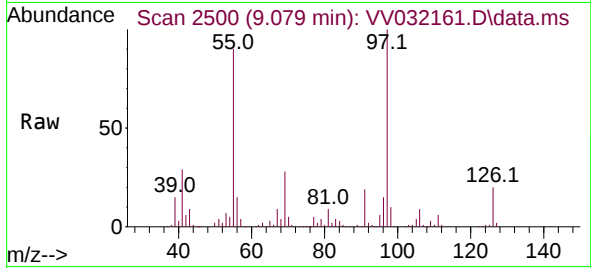




#53
m,p-Xylene
Concen: 4.868 ug/L
RT: 9.079 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

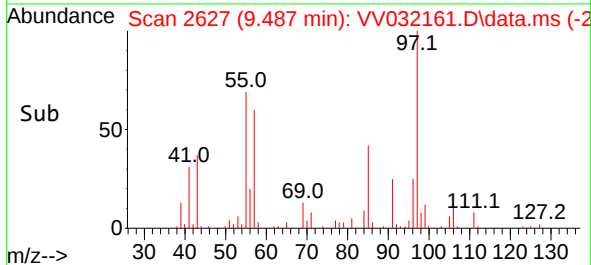
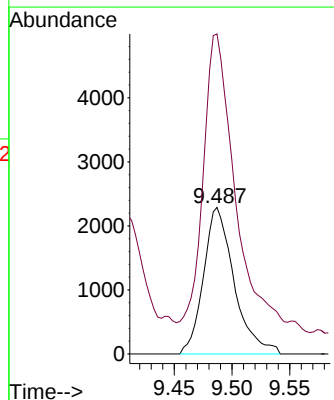
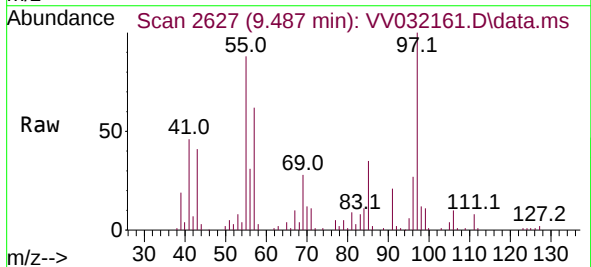
Instrument :
MSVOA_V
ClientSampleId :

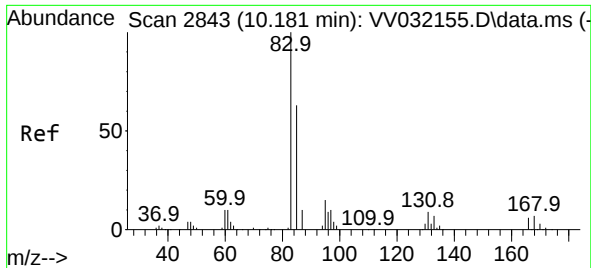
Tgt Ion:106 Resp: 16583
Ion Ratio Lower Upper
106 100
91 223.1 147.0 273.0



#54
o-Xylene
Concen: 1.248 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.007 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

Tgt Ion:106 Resp: 4227
Ion Ratio Lower Upper
106 100
91 218.4 154.3 286.5





#57

1,1,2-Tetrachloroethane

Concen: 26.241 ug/L

RT: 10.178 min Scan# 2916

Delta R.T. -0.003 min

Lab File: VV032161.D

Acq: 22 Sep 2023 14:53

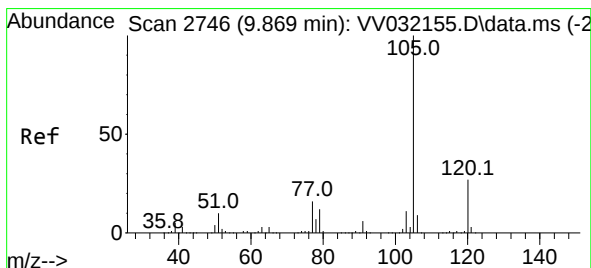
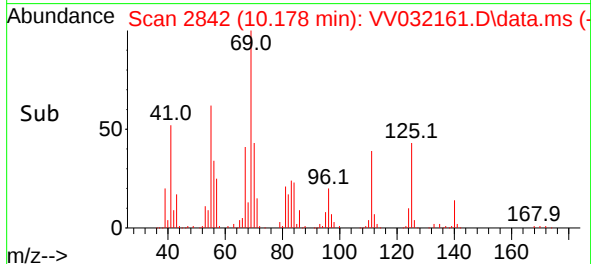
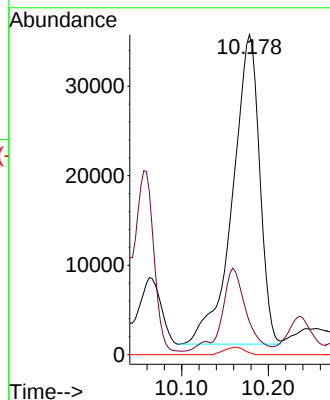
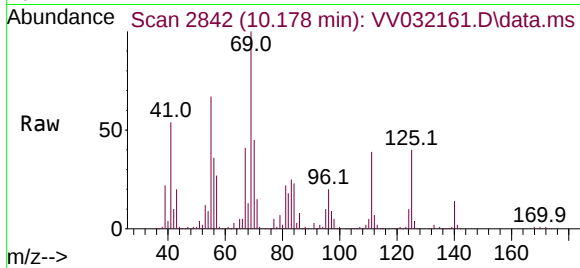
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83 Resp: 74892

Ion	Ratio	Lower	Upper
83	100		
85	10.2	45.1	83.9#
131	0.6	7.4	11.2#



#60

Isopropylbenzene

Concen: 8.864 ug/L

RT: 10.416 min Scan# 2916

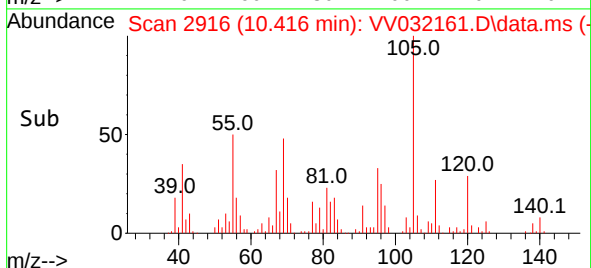
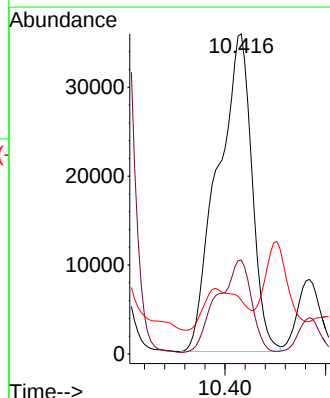
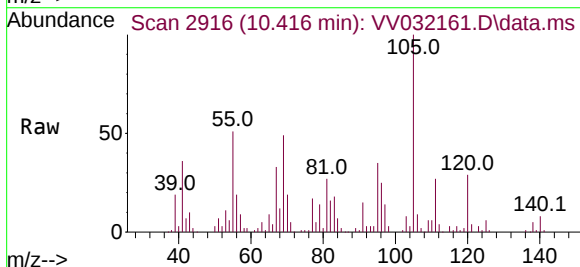
Delta R.T. 0.547 min

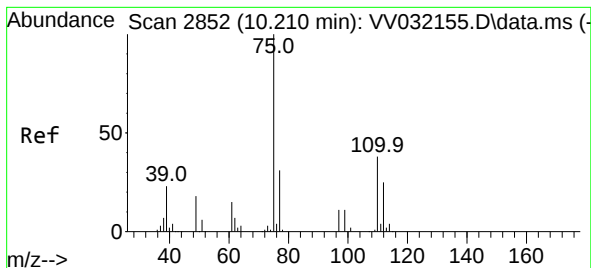
Lab File: VV032161.D

Acq: 22 Sep 2023 14:53

Tgt Ion: 105 Resp: 84228

Ion	Ratio	Lower	Upper
105	100		
120	29.7	20.6	31.0
77	14.8	12.8	19.2





#61

1,2,3-Trichloropropane

Concen: 7.073 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.981 min

Lab File: VV032161.D

Acq: 22 Sep 2023 14:53

Instrument :

MSVOA_V

ClientSampleId :

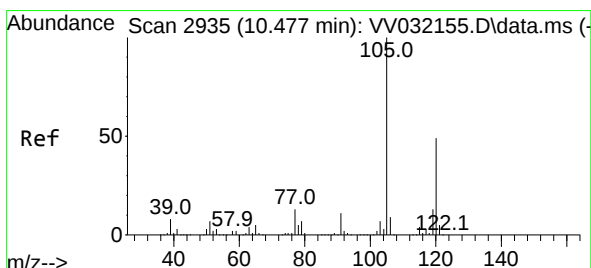
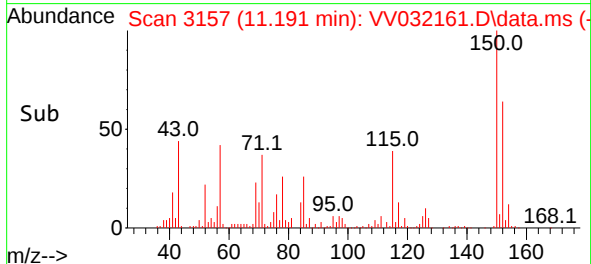
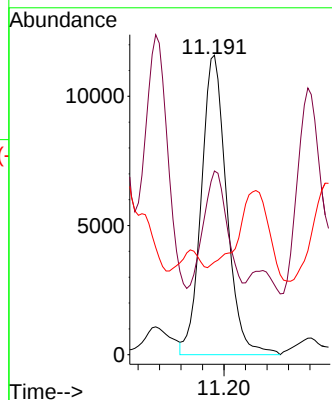
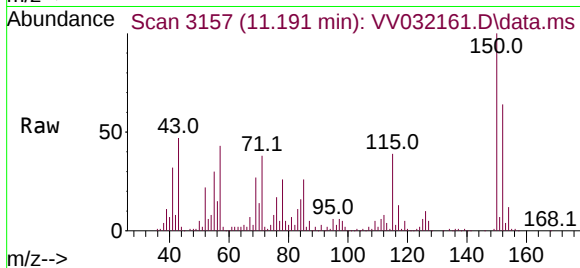
Tgt Ion: 75 Resp: 18958

Ion Ratio Lower Upper

75 100

77 35.6 25.7 38.5

110 31.0 30.3 45.5



#62

1,3,5-Trimethylbenzene

Concen: 1.609 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.007 min

Lab File: VV032161.D

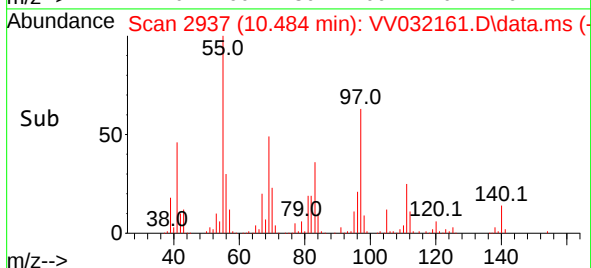
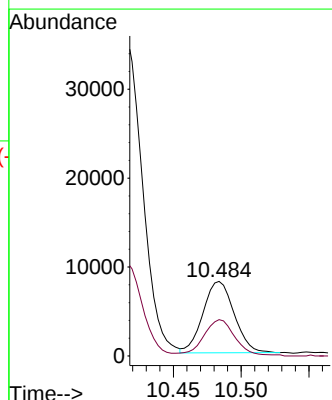
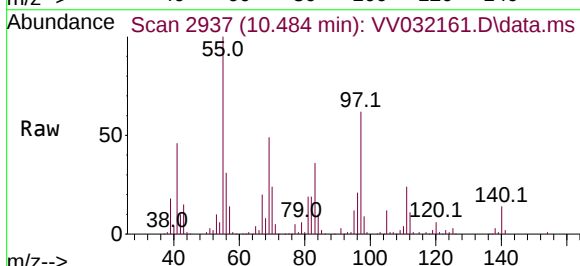
Acq: 22 Sep 2023 14:53

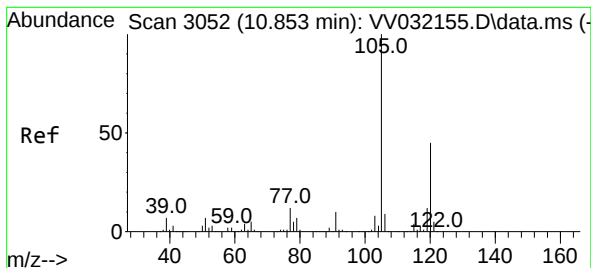
Tgt Ion: 105 Resp: 12862

Ion Ratio Lower Upper

105 100

120 47.3 38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 98.636 ug/L

RT: 10.857 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV032161.D

Acq: 22 Sep 2023 14:53

Instrument :

MSVOA_V

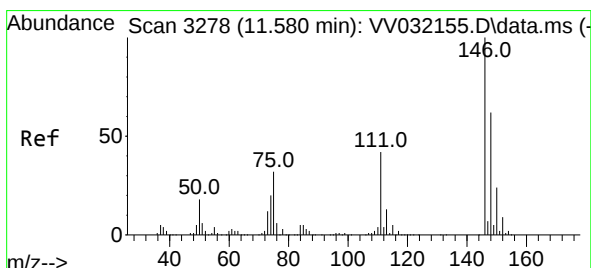
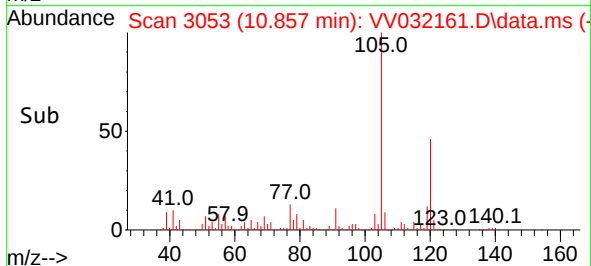
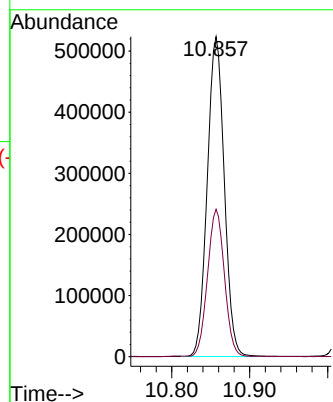
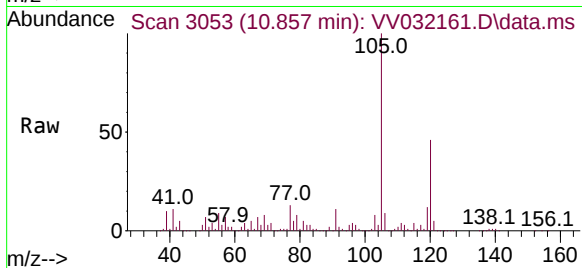
ClientSampleId :

Tgt Ion:105 Resp: 793226

Ion Ratio Lower Upper

105 100

120 45.6 35.9 53.9



#67

1,2-Dichlorobenzene

Concen: 2.475 ug/L

RT: 11.587 min Scan# 3280

Delta R.T. 0.007 min

Lab File: VV032161.D

Acq: 22 Sep 2023 14:53

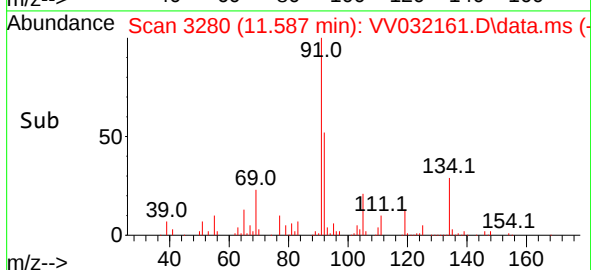
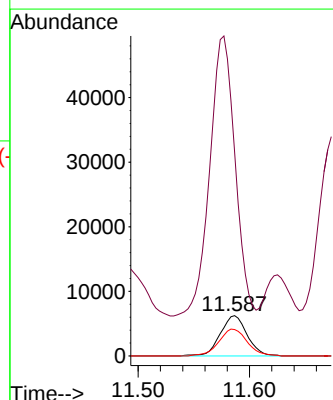
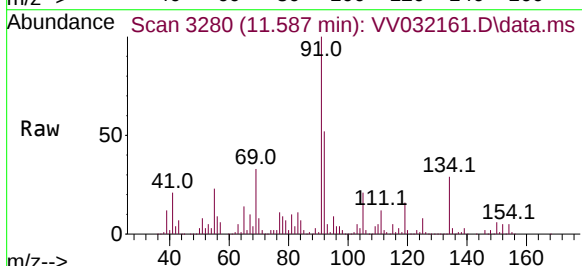
Tgt Ion:146 Resp: 10443

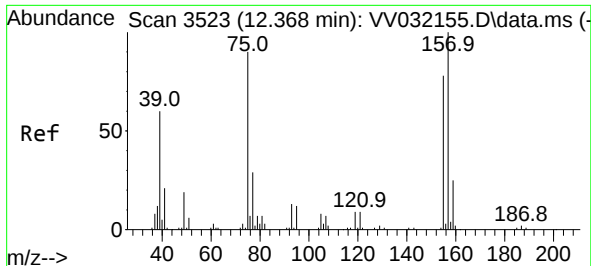
Ion Ratio Lower Upper

146 100

111 504.5 35.8 53.6#

148 65.6 51.1 76.7

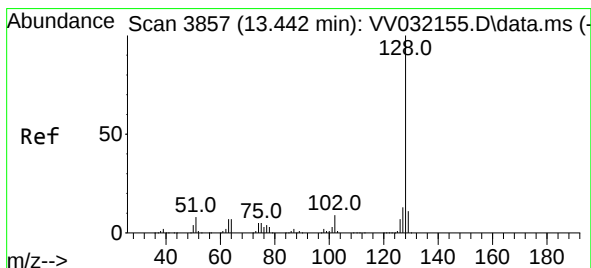
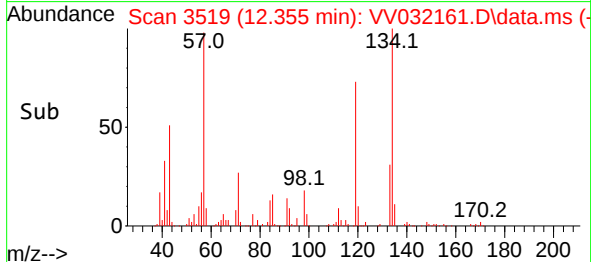
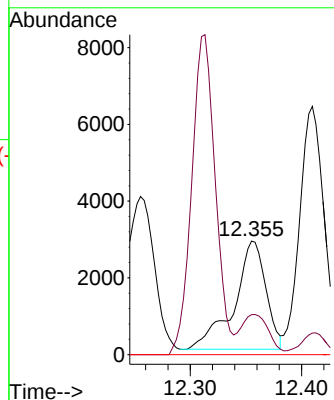
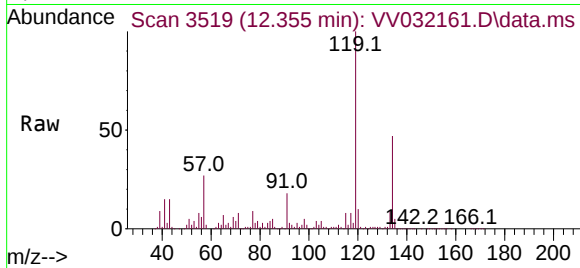




#68
1,2-Dibromo-3-chloropropane
Concen: 6.967 ug/L
RT: 12.355 min Scan# 3519
Delta R.T. -0.013 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 5609
Ion Ratio Lower Upper
75 100
155 35.3 60.1 90.1#
157 0.0 77.3 115.9#



#71
Naphthalene
Concen: 51.015 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032161.D
Acq: 22 Sep 2023 14:53

Tgt Ion:128 Resp: 485699
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 12.4 8.7 13.1

