

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082521\
 Data File : VV021952.D
 Acq On : 25 Aug 2021 16:23
 Operator : SY/MD
 Sample : M3526-08MEDL 5X
 Misc : 3.70g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 26 05:20:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 26 05:17:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	420137	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	399257	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	226855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	101852	31.010	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.020%
7) Chloroethane-d5	1.539	69	83886	33.845	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.680%#
11) 1,1-Dichloroethene-d2	2.095	63	133759	25.584	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.160%#
21) 2-Butanone-d5	3.876	46	161414	79.018	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.020%
24) Chloroform-d	4.346	84	209047	36.736	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.480%
26) 1,2-Dichloroethane-d4	5.030	65	137590	42.035	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.060%
32) Benzene-d6	5.046	84	471166	41.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.080%
36) 1,2-Dichloropropane-d6	6.069	67	148548	41.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.100%
41) Toluene-d8	7.316	98	452265	42.619	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.240%
43) trans-1,3-Dichloroprop...	7.625	79	68786	39.092	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.180%
47) 2-Hexanone-d5	8.088	63	111737	95.353	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.350%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	197563	44.590	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.180%
66) 1,2-Dichlorobenzene-d4	11.625	152	205582	43.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.580%
Target Compounds						Qvalue
16) Methylene chloride	2.500	84	4968	1.438	ug/L	88
25) Chloroform	4.374	83	14029	2.513	ug/L	77
29) Cyclohexane	4.670	56	39161	7.964	ug/L	91
35) Methylcyclohexane	6.130	83	231351	44.914	ug/L	94
38) Bromodichloromethane	6.464	83	3035	0.740	ug/L #	92
39) cis-1,3-Dichloropropene	6.989	75	4262	0.865	ug/L #	58
40) 4-Methyl-2-pentanone	7.265	43	11647	2.722	ug/L #	48
44) trans-1,3-Dichloropropene	7.625	75	2905	0.626	ug/L #	83
45) 1,1,2-Trichloroethane	7.789	97	49622	15.922	ug/L #	20
48) 2-Hexanone	8.082	43	66631	20.100	ug/L #	33
52) Ethylbenzene	9.021	91	11390	0.814	ug/L	99
53) m,p-Xylene	9.146	106	7358	1.356	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.242	83	11925	2.749	ug/L #	40
60) Isopropylbenzene	9.934	105	34084	2.241	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.120	75	1524	1.495	ug/L #	1
71) Naphthalene	13.506	128	55692	4.282	ug/L	96

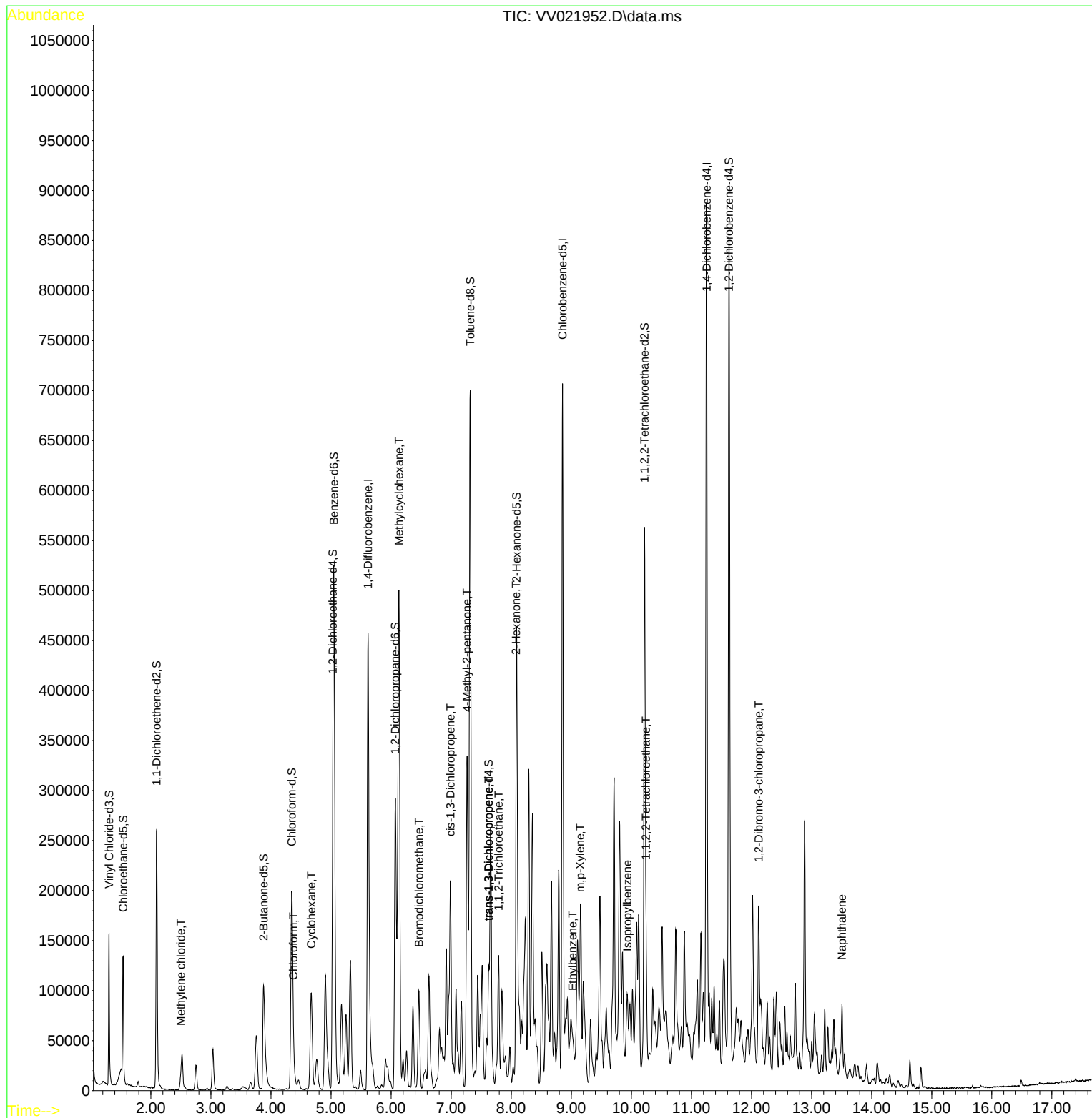
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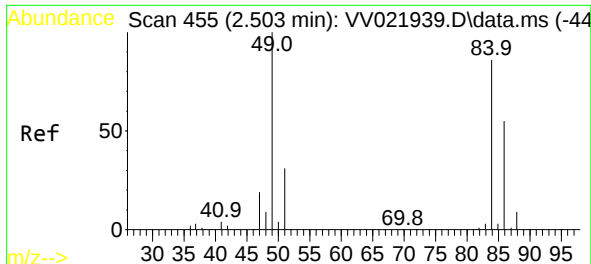
Instrument :
MSVOA_V
ClientSampleId :

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Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Aug 26 05:20:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 26 05:17:05 2021
Response via : Initial Calibration

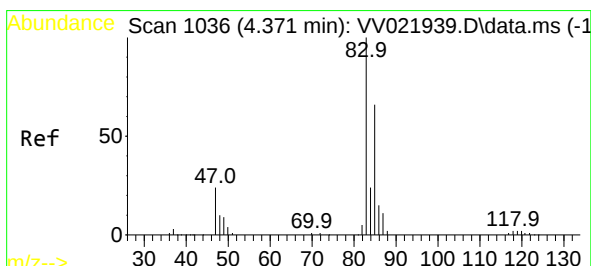
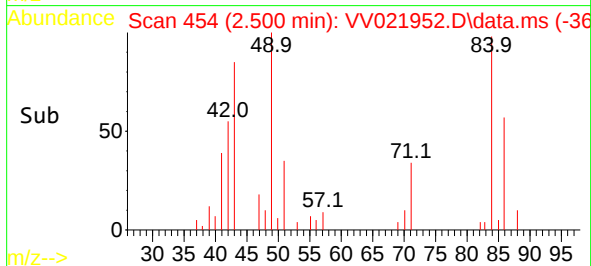
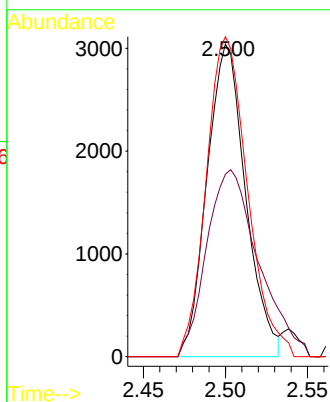
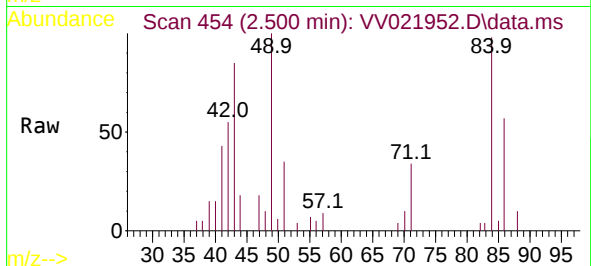




#16
Methylene chloride
Concen: 1.438 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

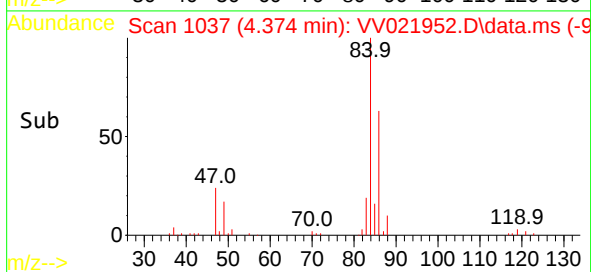
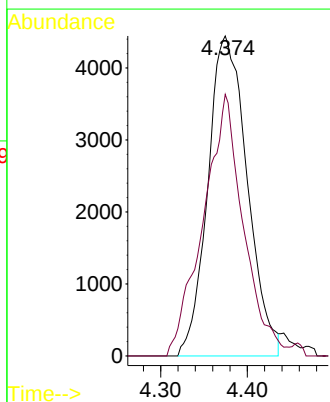
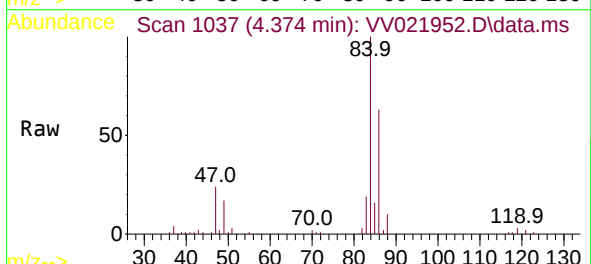
Instrument :
MSVOA_V
ClientSampleId :

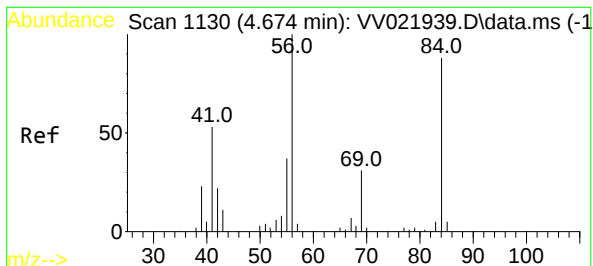
Tgt Ion: 84 Resp: 4968
Ion Ratio Lower Upper
84 100
86 58.3 44.7 83.1
49 102.4 82.5 153.3



#25
Chloroform
Concen: 2.513 ug/L
RT: 4.374 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Tgt Ion: 83 Resp: 14029
Ion Ratio Lower Upper
83 100
85 81.7 44.8 83.2





#29

Cyclohexane

Concen: 7.964 ug/L

RT: 4.670 min Scan# 1129

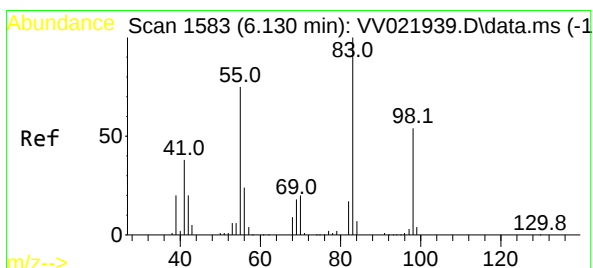
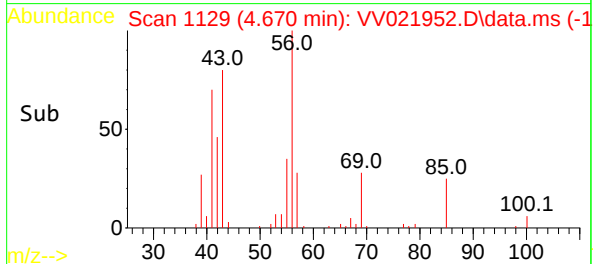
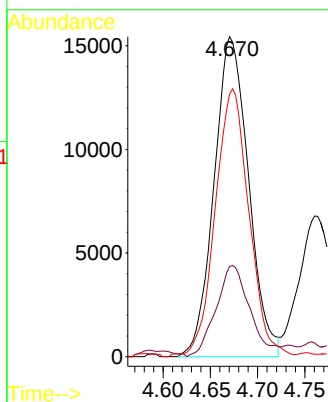
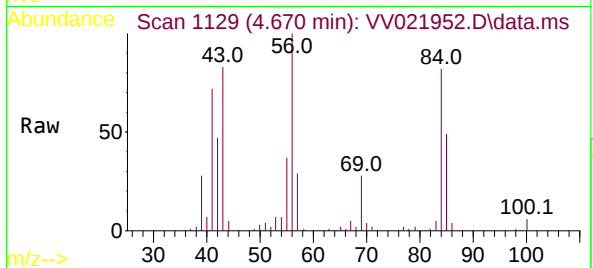
Delta R.T. -0.003 min

Lab File: VV021952.D

Acq: 25 Aug 2021 16:23

Tgt Ion:	56	Resp:	39161
Ion	Ratio	Lower	Upper
56	100		
69	27.4	24.9	37.3
84	81.7	72.6	109.0

Instrument :
MSVOA_V
ClientSampleId :



#35

Methylcyclohexane

Concen: 44.914 ug/L

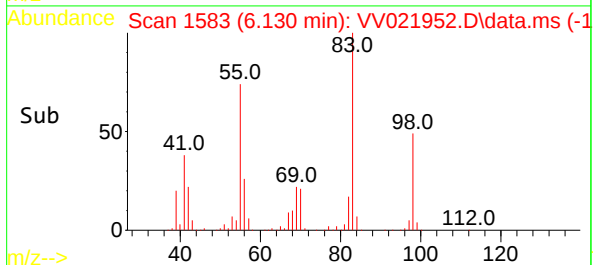
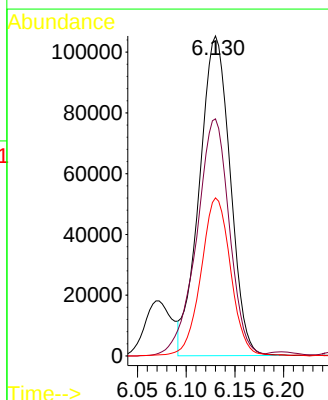
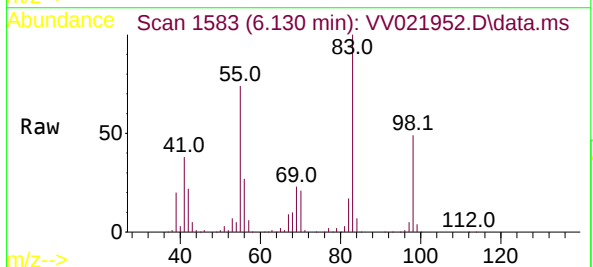
RT: 6.130 min Scan# 1583

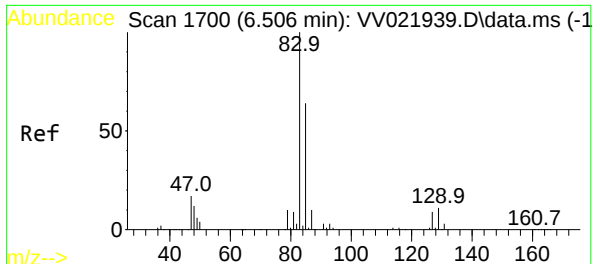
Delta R.T. -0.000 min

Lab File: VV021952.D

Acq: 25 Aug 2021 16:23

Tgt Ion:	83	Resp:	231351
Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.9	86.9
98	47.7	39.9	59.9

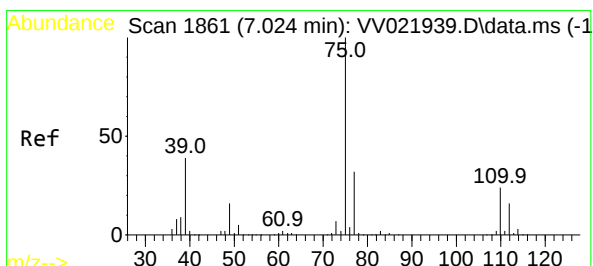
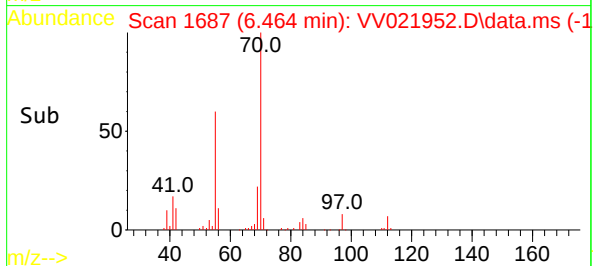
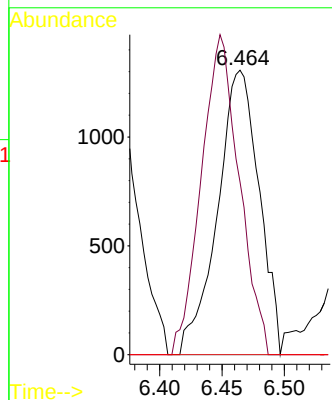
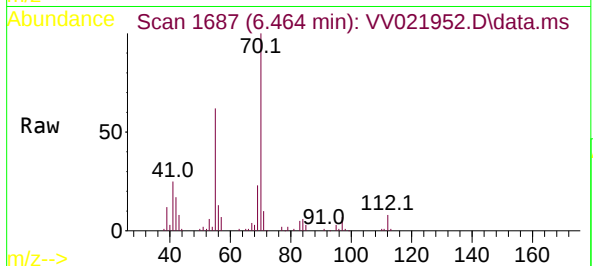




#38
Bromodichloromethane
Concen: 0.740 ug/L
RT: 6.464 min Scan# 1687
Delta R.T. -0.042 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

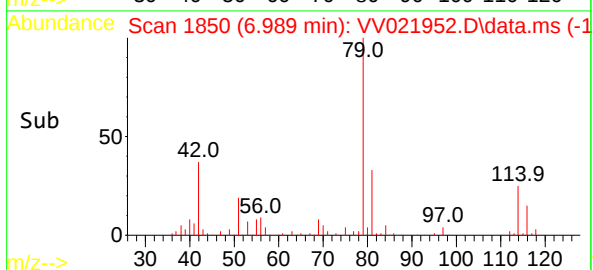
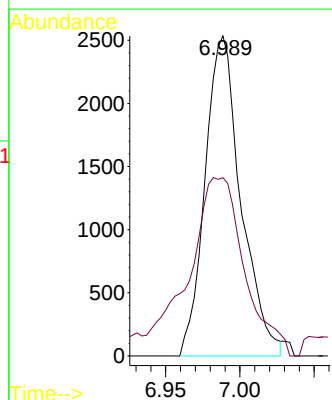
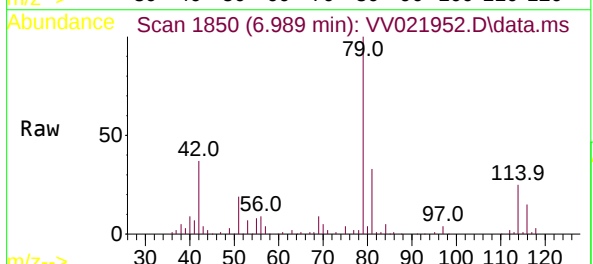
Instrument :
MSVOA_V
ClientSampled :

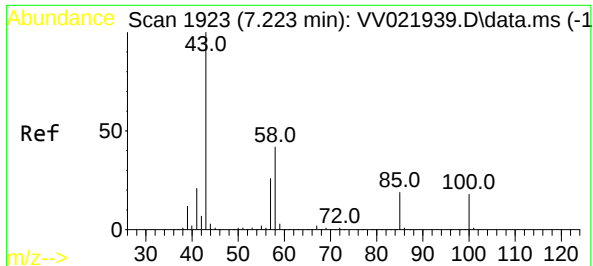
Tgt Ion: 83 Resp: 3035
Ion Ratio Lower Upper
83 100
85 60.7 45.7 84.9
127 0.0 7.4 11.2#



#39
cis-1,3-Dichloropropene
Concen: 0.865 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.036 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Tgt Ion: 75 Resp: 4262
Ion Ratio Lower Upper
75 100
77 55.7 22.5 41.9#

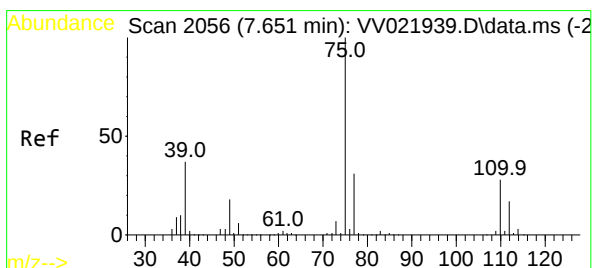
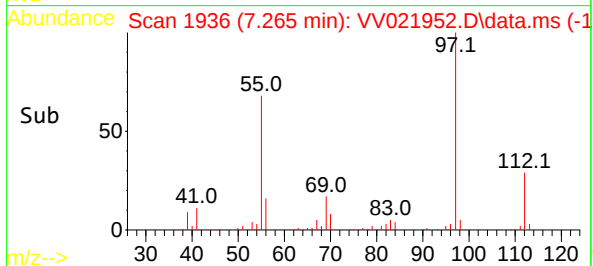
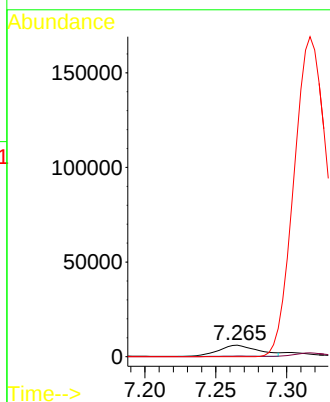
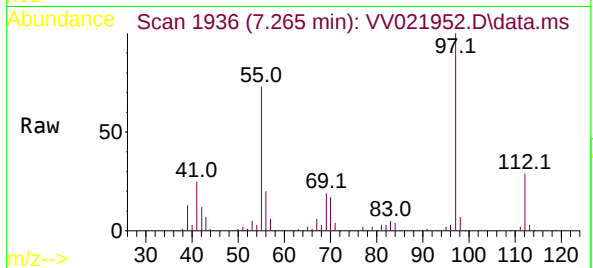




#40
4-Methyl-2-pentanone
Concen: 2.722 ug/L
RT: 7.265 min Scan# 1936
Delta R.T. 0.042 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

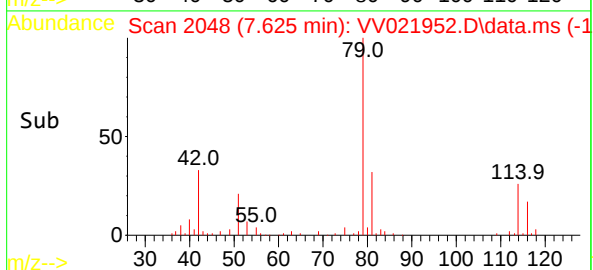
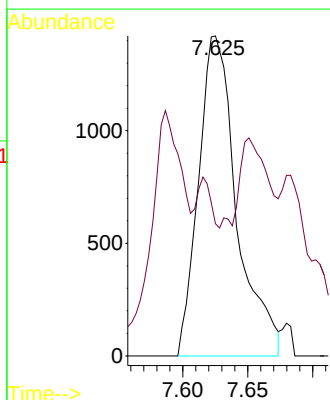
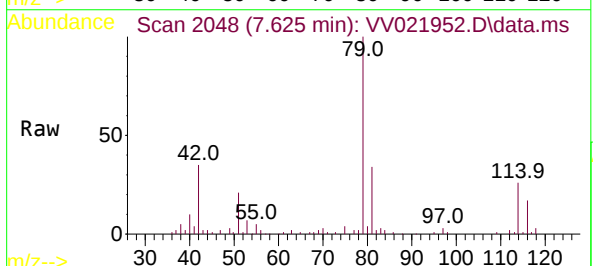
Instrument :
MSVOA_V
ClientSampleId :

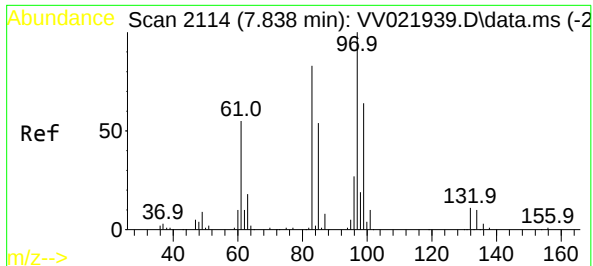
Tgt Ion: 43 Resp: 11647
Ion Ratio Lower Upper
43 100
58 5.6 32.9 49.3#
100 0.0 14.0 21.0#



#44
trans-1,3-Dichloropropene
Concen: 0.626 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.026 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Tgt Ion: 75 Resp: 2905
Ion Ratio Lower Upper
75 100
77 41.3 22.2 41.2#



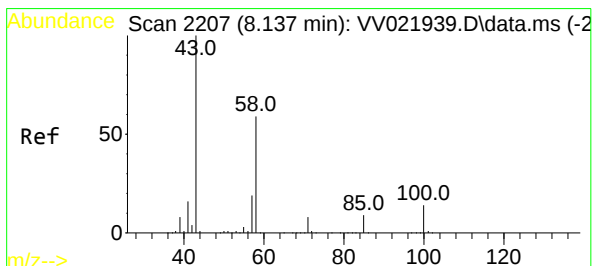
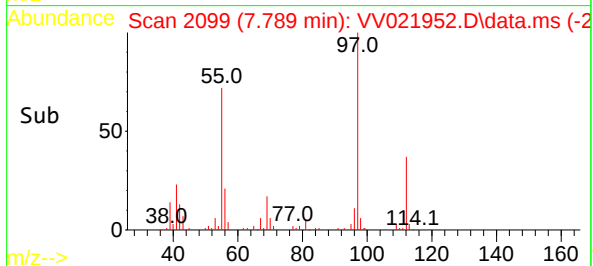
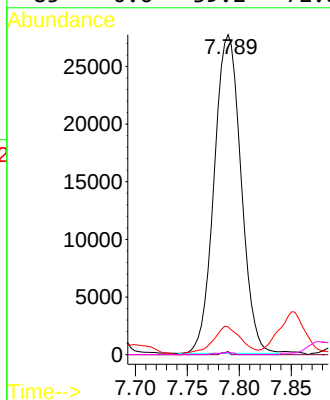
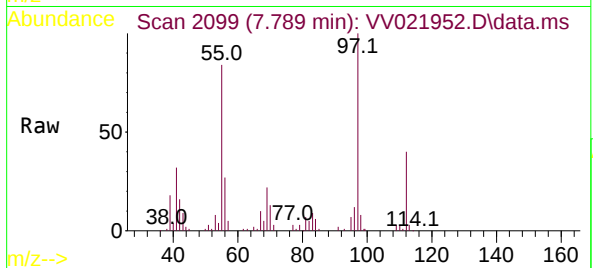


#45
1,1,2-Trichloroethane
Concen: 15.922 ug/L
RT: 7.789 min Scan# 2099
Delta R.T. -0.048 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 49622

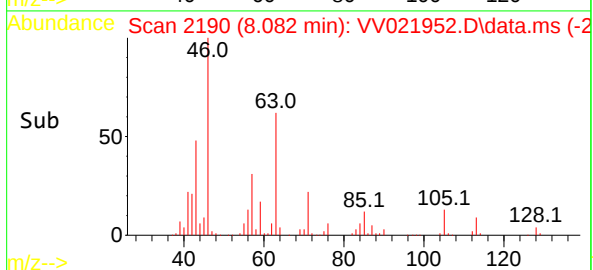
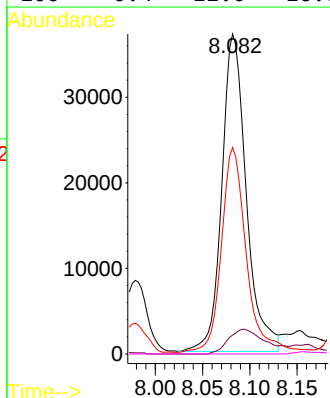
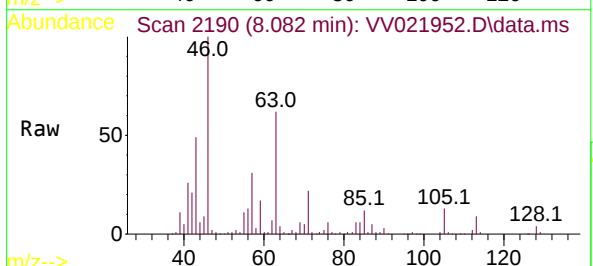
Ion	Ratio	Lower	Upper
97	100		
99	1.0	44.2	82.0#
83	8.7	59.2	110.0#
85	0.6	39.2	72.8#

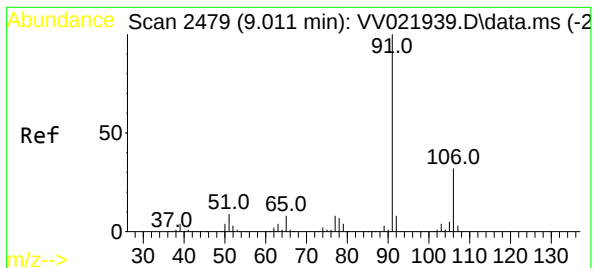


#48
2-Hexanone
Concen: 20.100 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.055 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Tgt Ion: 43 Resp: 66631

Ion	Ratio	Lower	Upper
43	100		
58	11.0	45.4	68.2#
57	65.9	15.3	22.9#
100	0.4	11.0	16.6#





#52

Ethylbenzene

Concen: 0.814 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.009 min

Lab File: VV021952.D

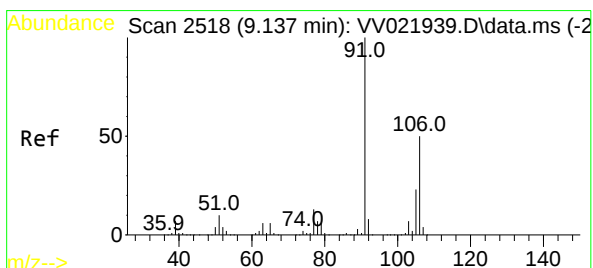
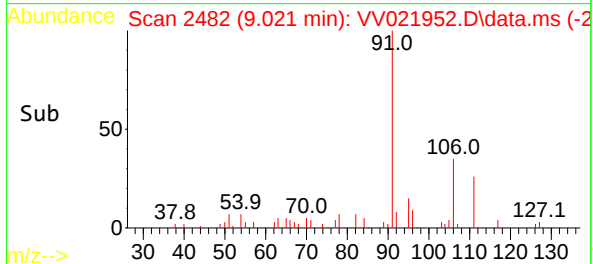
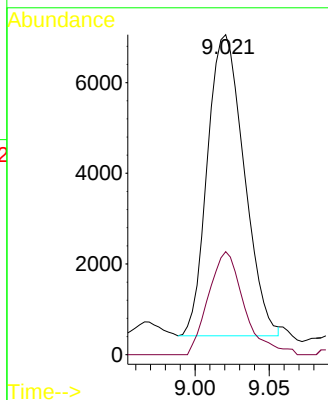
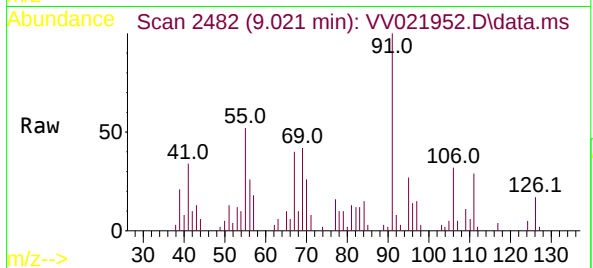
Acq: 25 Aug 2021 16:23

Tgt Ion: 91 Resp: 11390

Ion Ratio Lower Upper

91 100

106 32.2 22.2 41.2



#53

m,p-Xylene

Concen: 1.356 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.009 min

Lab File: VV021952.D

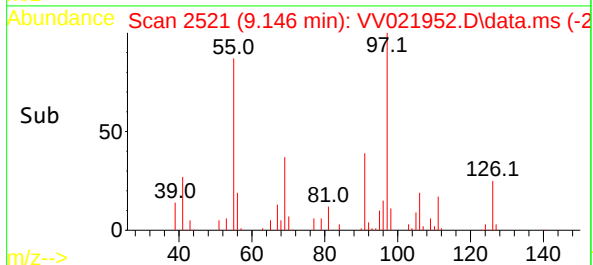
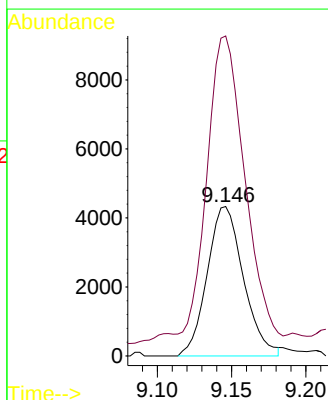
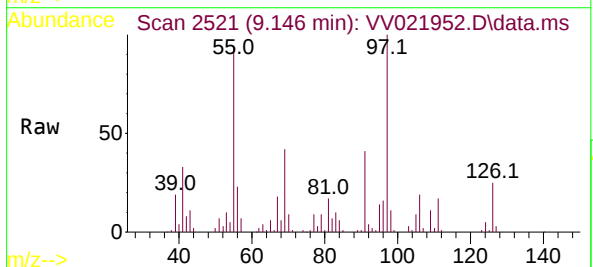
Acq: 25 Aug 2021 16:23

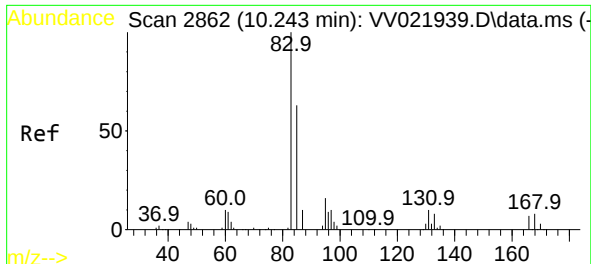
Tgt Ion: 106 Resp: 7358

Ion Ratio Lower Upper

106 100

91 214.0 139.2 258.6

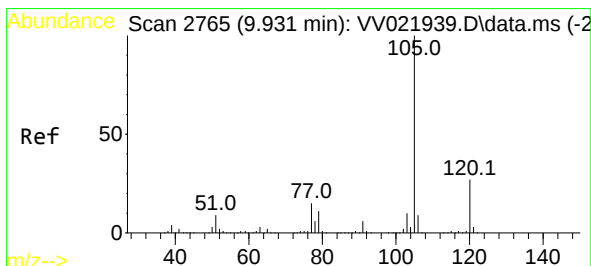
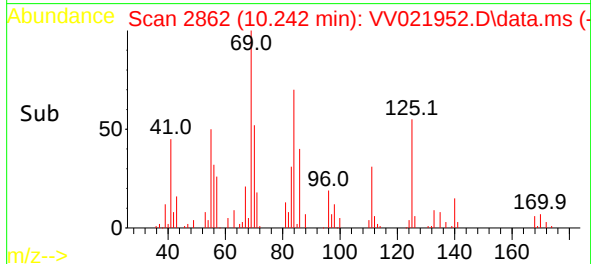
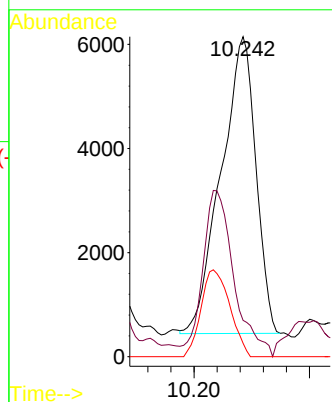
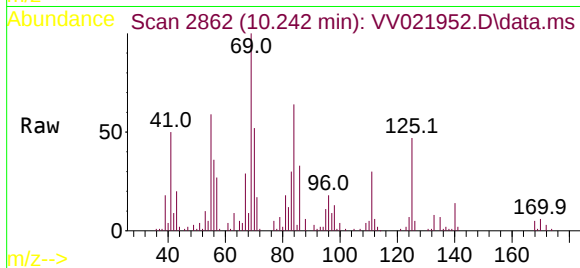




#57
1,1,2,2-Tetrachloroethane
Concen: 2.749 ug/L
RT: 10.242 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

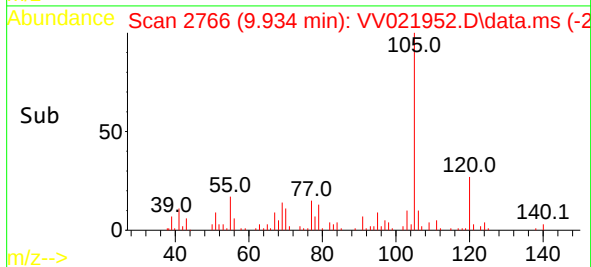
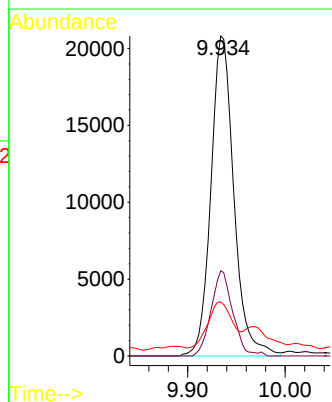
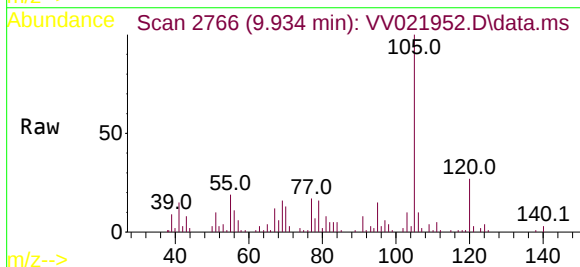
Instrument :
MSVOA_V
ClientSampled :

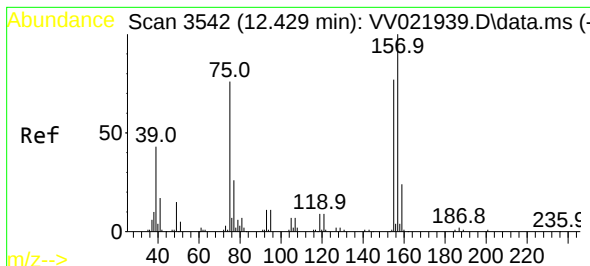
Tgt Ion: 83 Resp: 11925
Ion Ratio Lower Upper
83 100
85 11.4 44.4 82.5#
131 4.2 7.9 11.9#



#60
Isopropylbenzene
Concen: 2.241 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Tgt Ion: 105 Resp: 34084
Ion Ratio Lower Upper
105 100
120 24.9 21.3 31.9
77 15.0 11.8 17.8

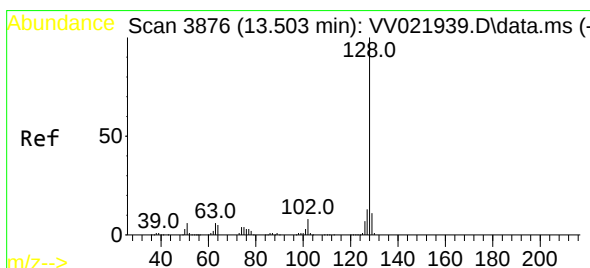
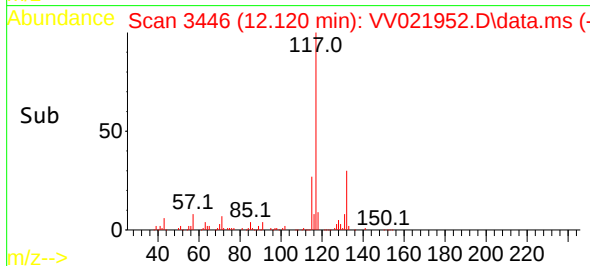
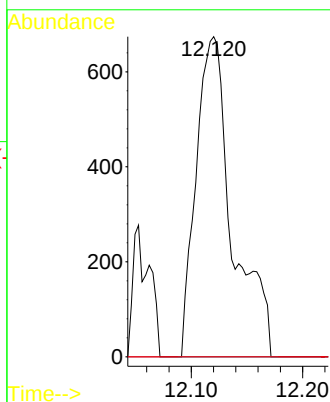
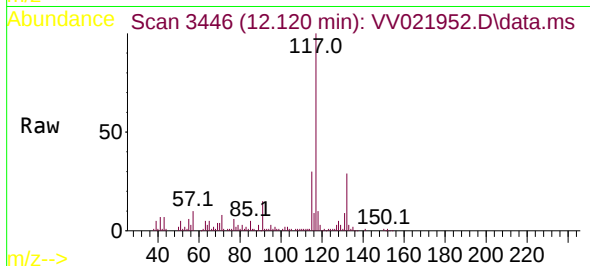




#68
1,2-Dibromo-3-chloropropane
Concen: 1.495 ug/L
RT: 12.120 min Scan# 3446
Delta R.T. -0.309 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 1524
Ion Ratio Lower Upper
75 100
155 0.0 77.8 116.8#
157 0.0 99.4 149.0#



#71
Naphthalene
Concen: 4.282 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VV021952.D
Acq: 25 Aug 2021 16:23

Tgt Ion:128 Resp: 55692
Ion Ratio Lower Upper
128 100
127 13.5 10.0 15.0
129 12.7 8.5 12.7

