

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018026.D
 Acq On : 17 Aug 2020 15:12
 Operator : SY/MD
 Sample : L3684-05DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F94DL

Quant Time: Aug 18 01:27:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	270029	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	266521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	129281	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88664	43.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.06%
7) Chloroethane-d5	1.58	69	74755	44.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.70%
11) 1,1-Dichloroethene-d2	2.12	63	133747	33.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.88%
21) 2-Butanone-d5	3.91	46	112179	83.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.13%
24) Chloroform-d	4.38	84	159224	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
26) 1,2-Dichloroethane-d4	5.06	65	109560	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
32) Benzene-d6	5.08	84	323615	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
36) 1,2-Dichloropropane-d6	6.09	67	104936	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.40%
41) Toluene-d8	7.34	98	284999	43.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.30%
43) trans-1,3-Dichloropropene-	7.64	79	46156	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.76%
47) 2-Hexanone-d5	8.11	63	55535	72.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	126359	40.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	120539	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%

Target Compounds

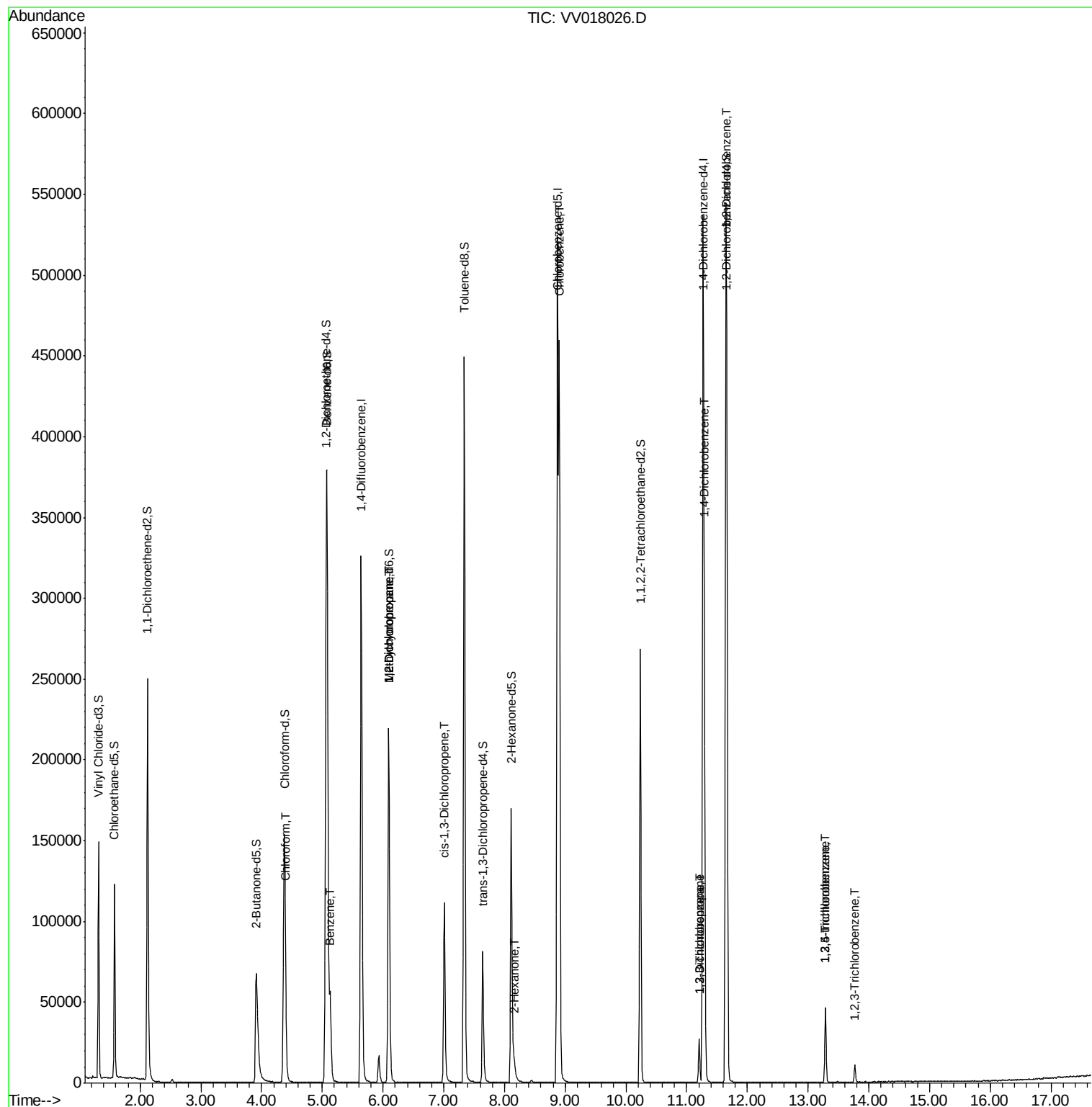
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.40	83	4819	1.262	ug/L	82
33) Benzene	5.13	78	55908	6.780	ug/L	100
35) Methylcyclohexane	6.09	83	24936	7.694	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12118	5.389	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2825	0.886	ug/L #	78
48) 2-Hexanone	8.17	43	6356	2.681	ug/L #	84
51) Chlorobenzene	8.90	112	229624	41.495	ug/L	100
59) 1,2,3-Trichloropropane	11.20	75	3538	1.274	ug/L #	43
62) 1,3-Dichlorobenzene	11.21	146	10854	2.640	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	85703	20.293	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	113097	26.728	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	14135	4.526	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	14135	5.148	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	3671	1.315	ug/L	98

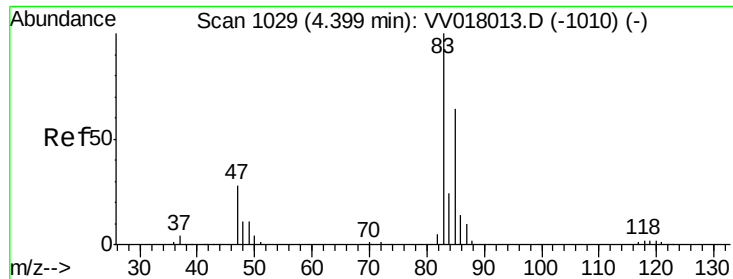
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 18 01:23:44 2020
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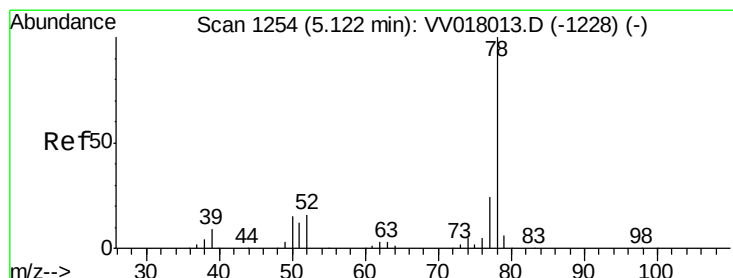
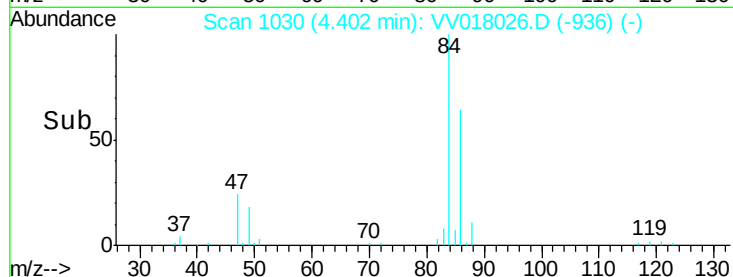
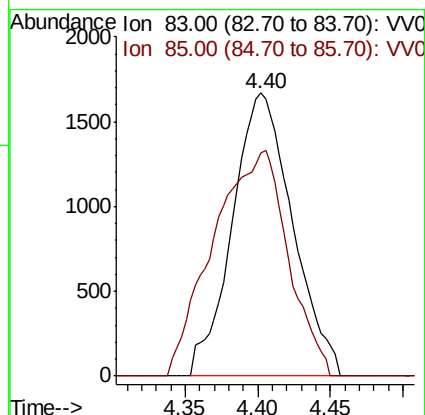
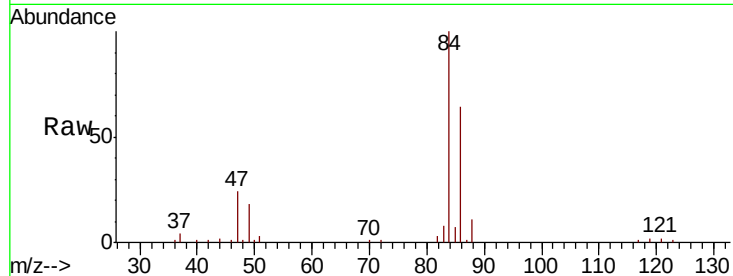




#25
Chloroform
Concen: 1.262 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018026.D
Acq: 17 Aug 2020 15:12

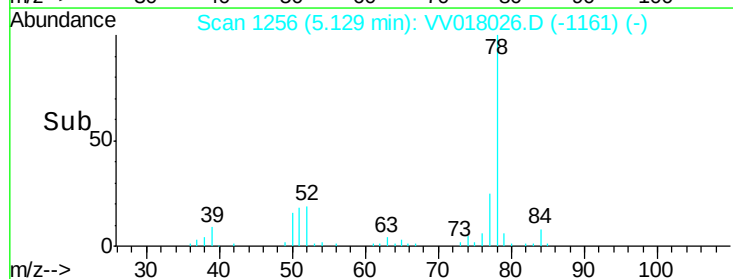
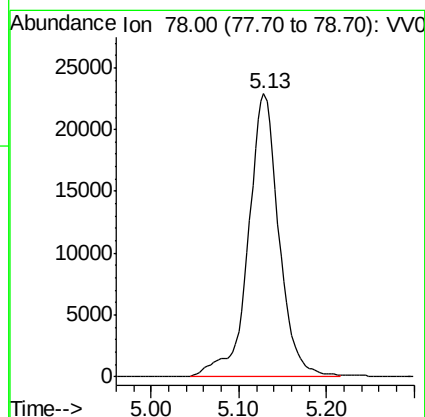
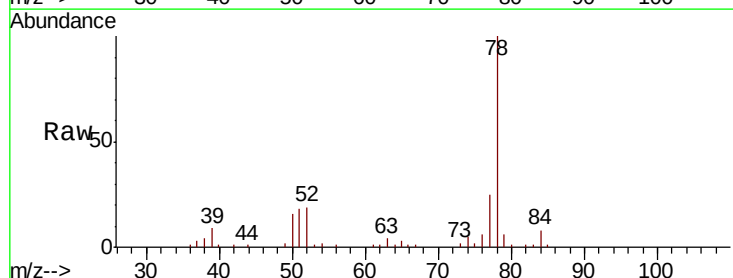
Instrument :
MSVOA_V
ClientSampleId :
C0F94DL

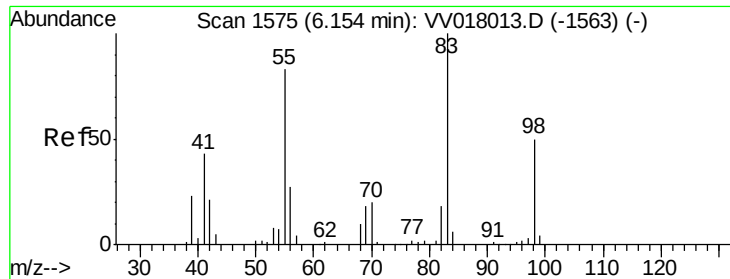
Tot Ion: 83 Resp: 4819
Ion Ratio Lower Upper
83 100
85 79.0 45.5 84.5



#33
Benzene
Concen: 6.780 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV018026.D
Acq: 17 Aug 2020 15:12

Tgt Ion: 78 Resp: 55908

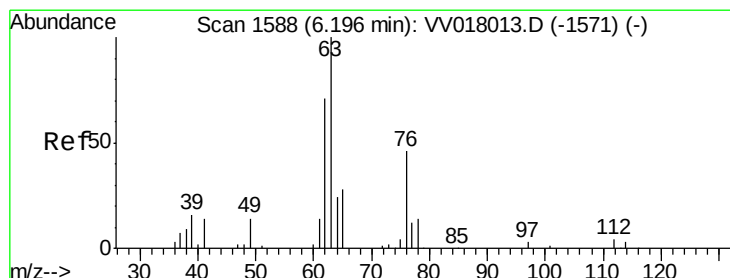
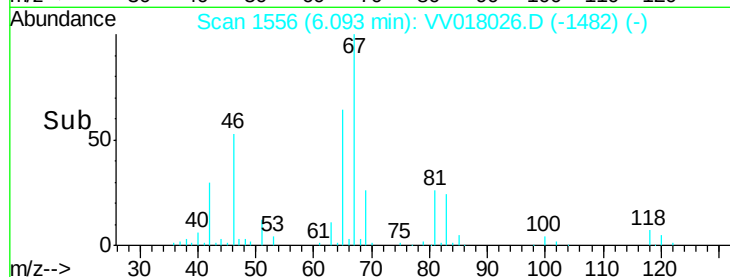
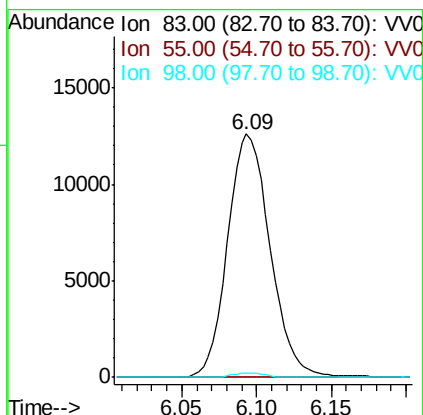
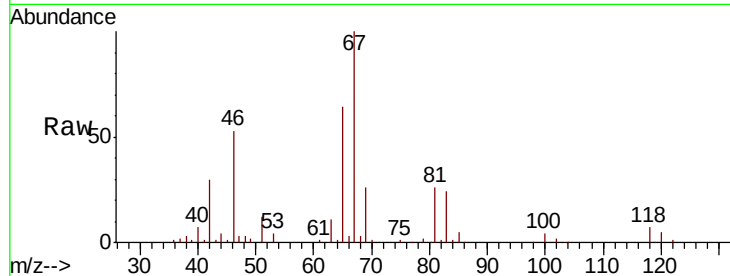




#35
Methvlcvclohexane
Concen: 7.694 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018026.D
Acq: 17 Aug 2020 15:12

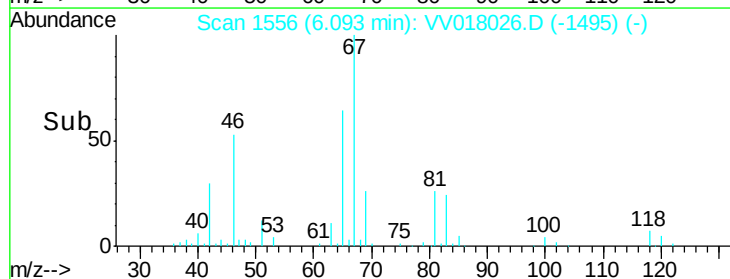
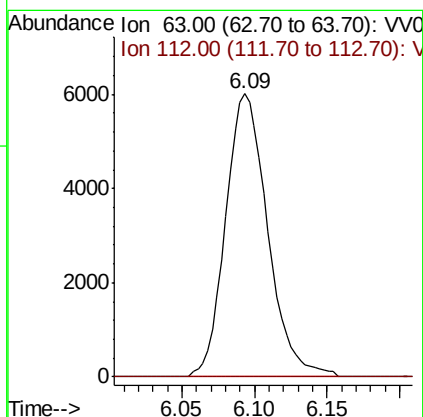
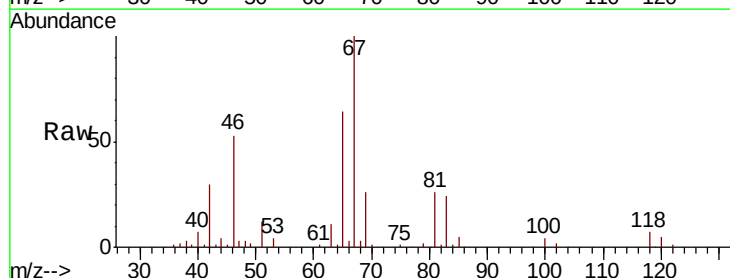
Instrument :
MSVOA_V
ClientSampleId :
C0F94DL

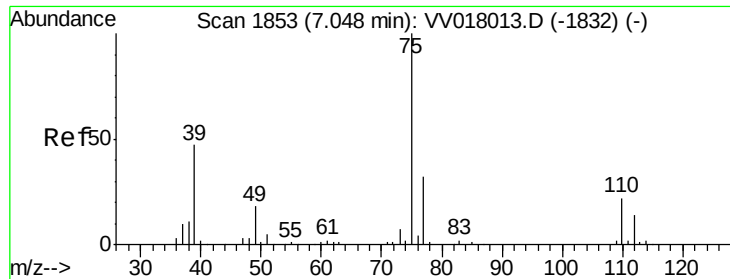
Tot Ion: 83 Resp: 24936
Ion Ratio Lower Upper
83 100
55 0.0 64.9 97.3#
98 1.3 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.389 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018026.D
Acq: 17 Aug 2020 15:12

Tgt Ion: 63 Resp: 12118
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

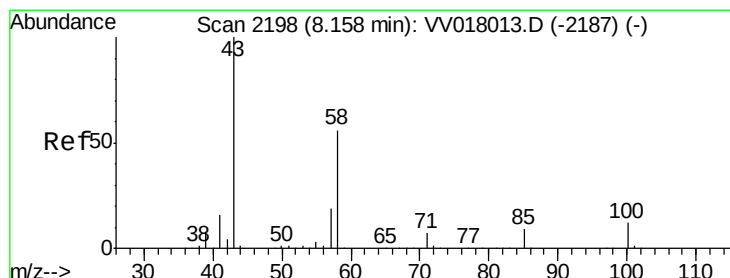
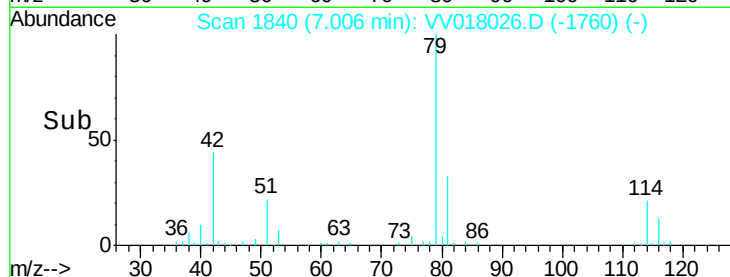
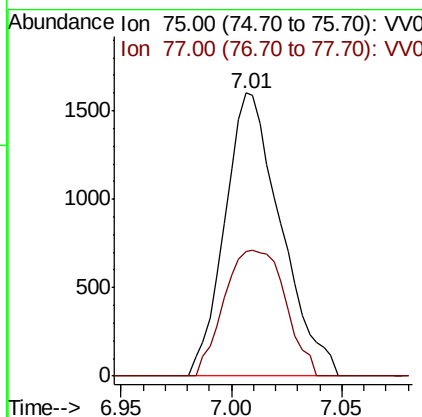
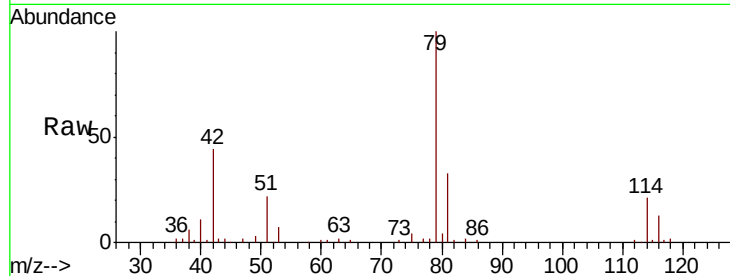




#39
 cis-1,3-Dichloropropene
 Concen: 0.886 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018026.D
 Acq: 17 Aug 2020 15:12

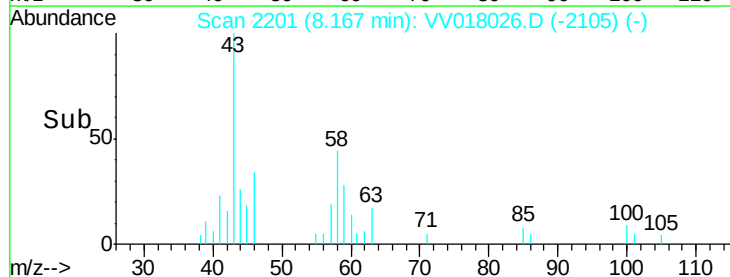
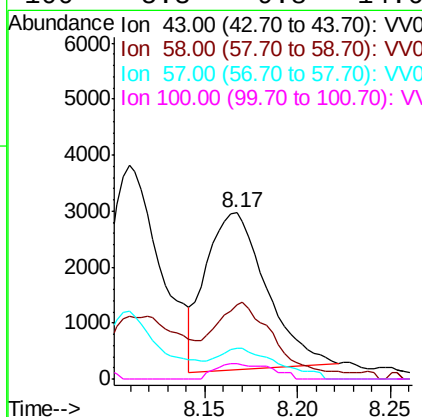
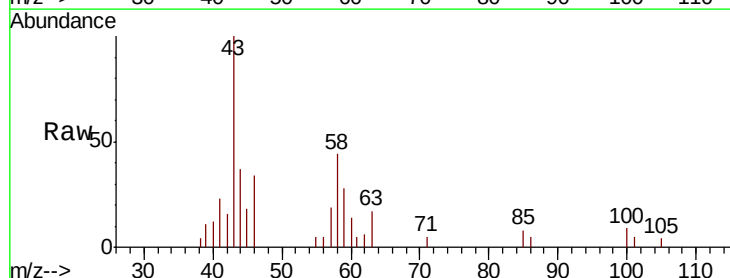
Instrument :
 MSVOA_V
 ClientSampleId :
 C0F94DL

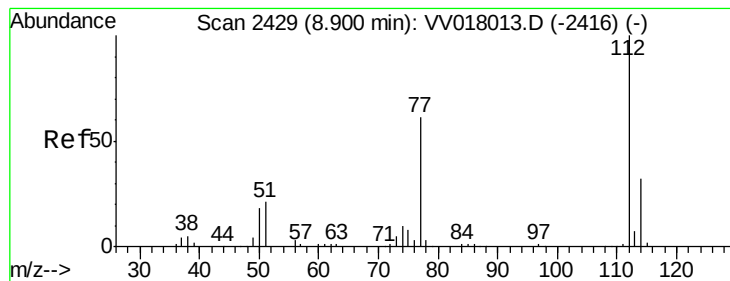
Tot Ion: 75 Resp: 2825
 Ion Ratio Lower Upper
 75 100
 77 43.9 22.3 41.5#



#48
 2-Hexanone
 Concen: 2.681 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV018026.D
 Acq: 17 Aug 2020 15:12

Tgt Ion: 43 Resp: 6356
 Ion Ratio Lower Upper
 43 100
 58 40.8 44.4 66.6#
 57 19.3 15.2 22.8
 100 5.3 9.8 14.6#





#51

Chlorobenzene

Concen: 41.495 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018026.D

Acq: 17 Aug 2020 15:12

Instrument :

MSVOA_V

ClientSampleId :

C0F94DL

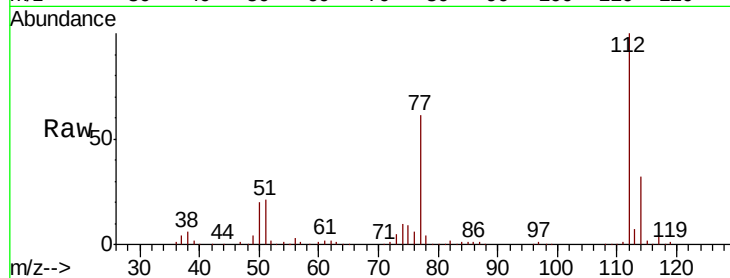
Tot Ion:112 Resp: 229624

Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

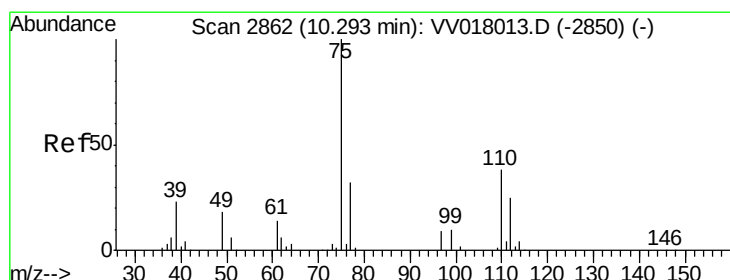
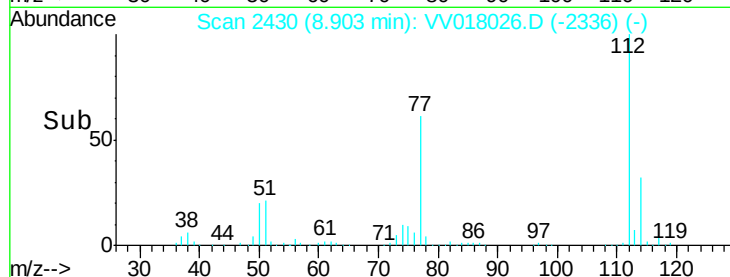
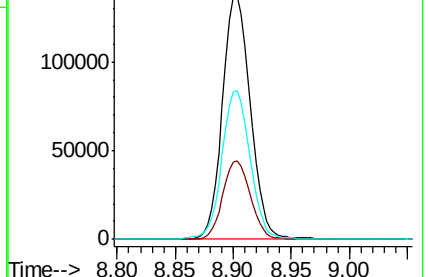
77 61.3 49.4 74.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 1.274 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV018026.D

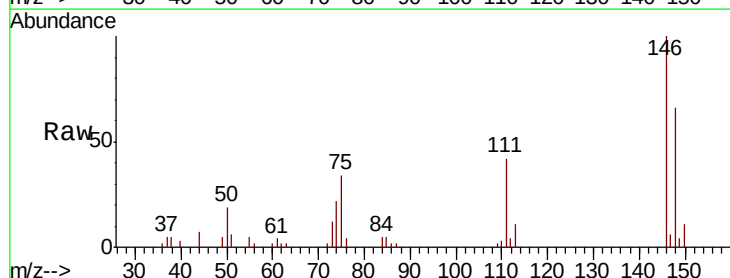
Acq: 17 Aug 2020 15:12

Tgt Ion: 75 Resp: 3538

Ion Ratio Lower Upper

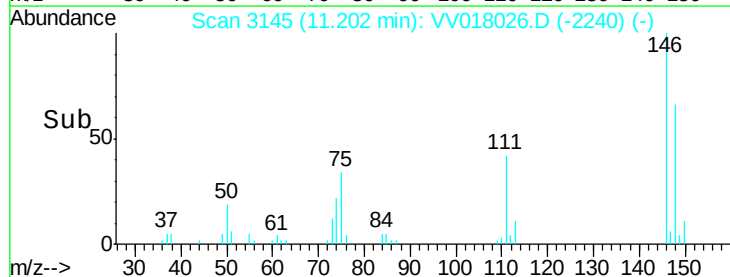
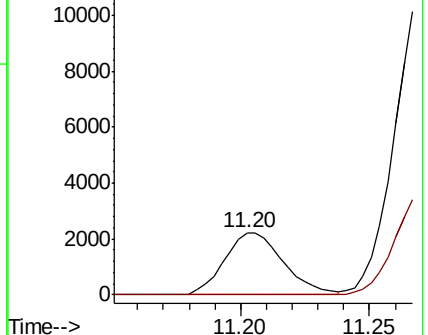
75 100

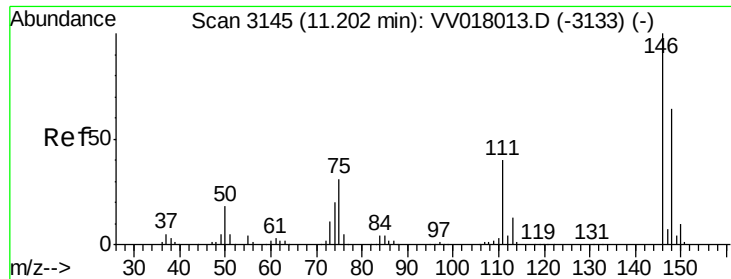
77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.640 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018026.D

Acq: 17 Aug 2020 15:12

Instrument :

MSVOA_V

ClientSampled :

C0F94DL

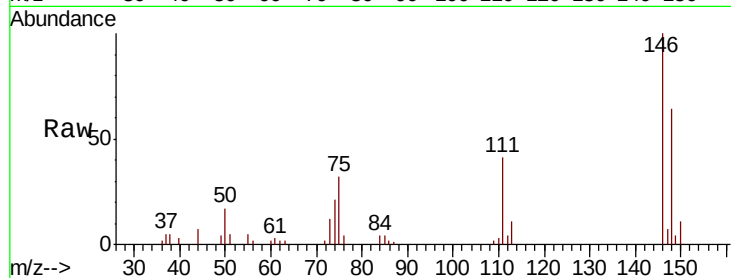
Tot Ion:146 Resp: 10854

Ion Ratio Lower Upper

146 100

111 41.3 28.8 53.4

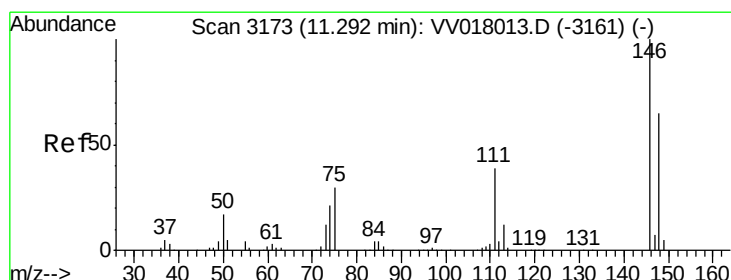
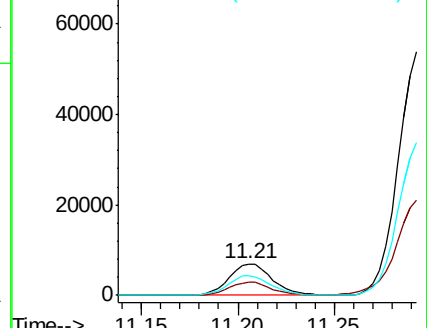
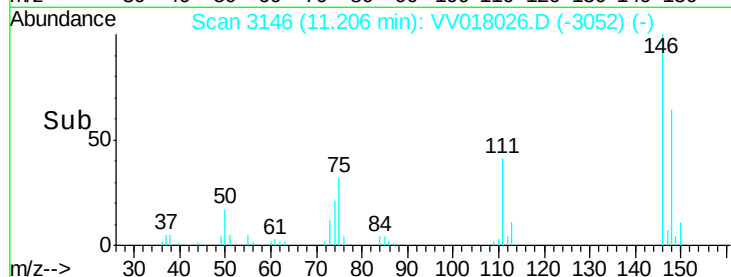
148 63.8 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.293 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018026.D

Acq: 17 Aug 2020 15:12

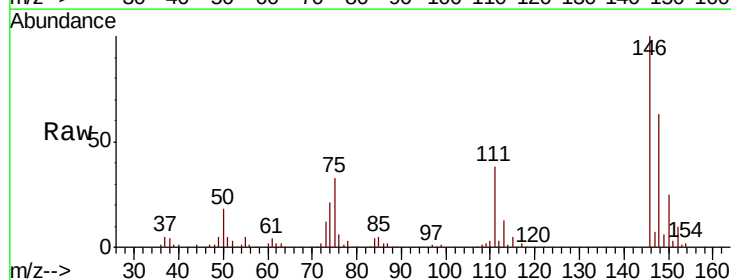
Tgt Ion:146 Resp: 85703

Ion Ratio Lower Upper

146 100

111 37.8 28.0 52.0

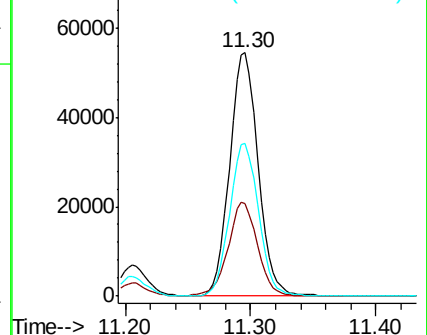
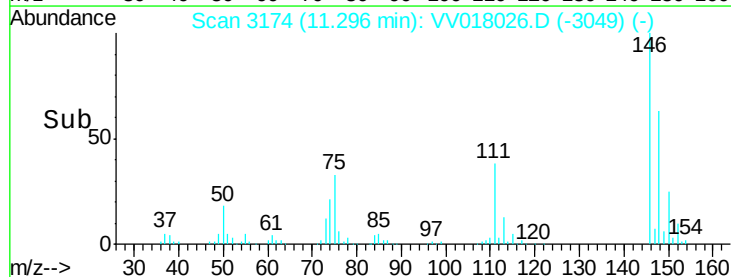
148 62.8 44.2 82.2

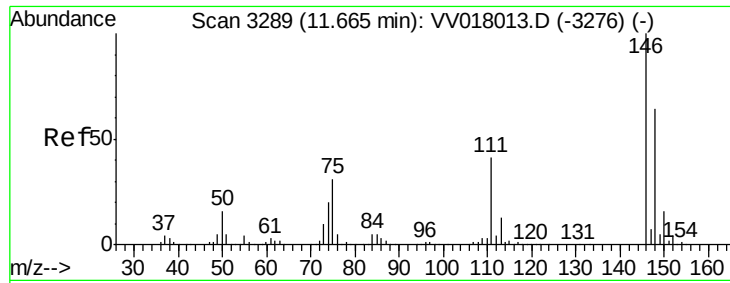


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

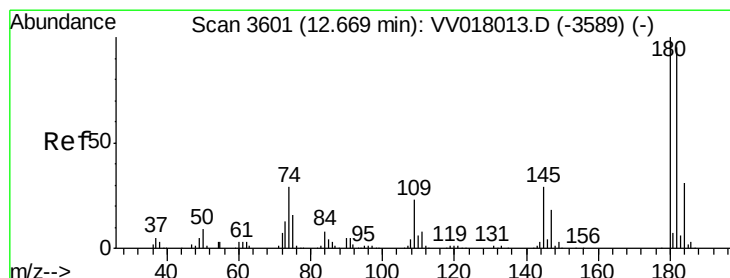
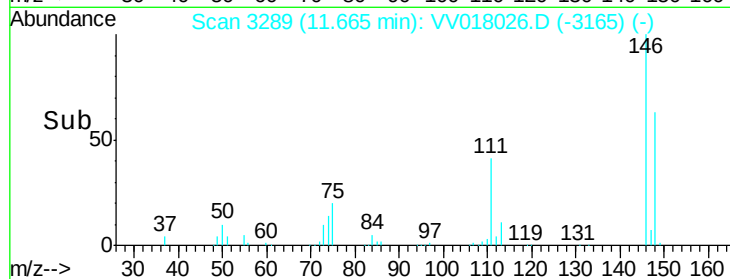
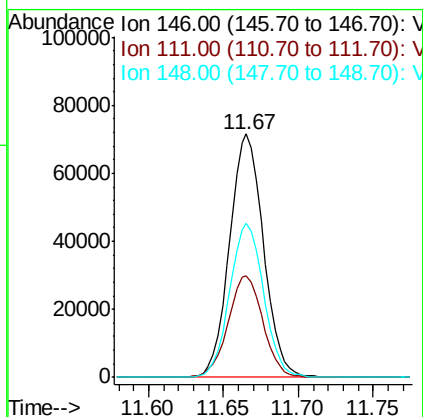
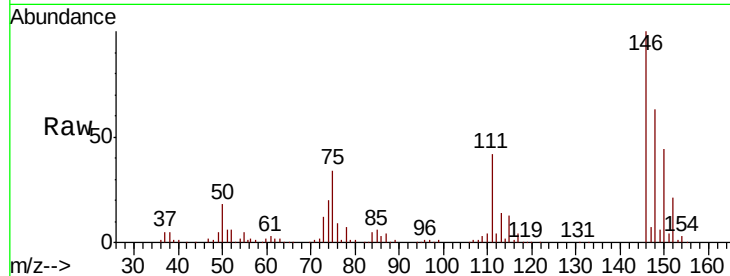




#65
 1,2-Dichlorobenzene
 Concen: 26.728 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018026.D
 Acq: 17 Aug 2020 15:12

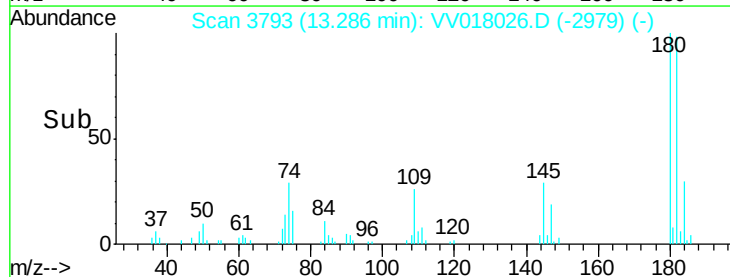
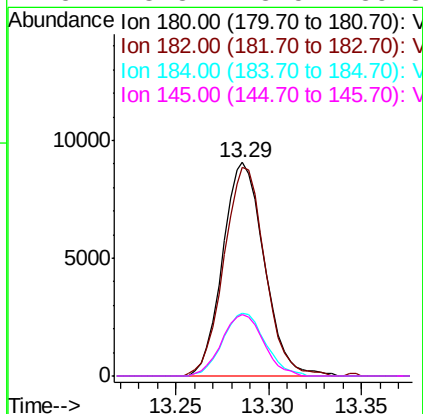
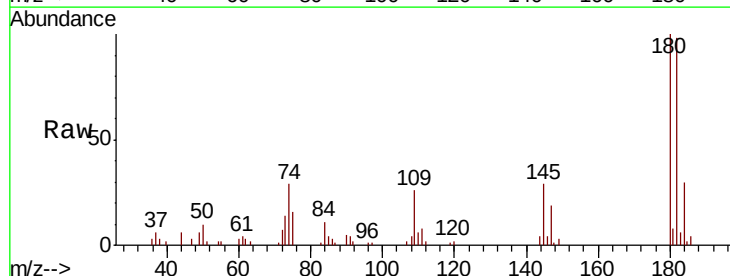
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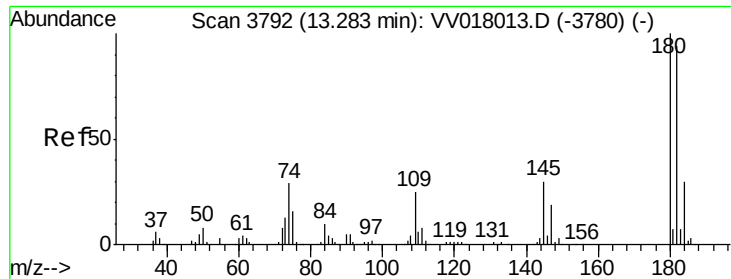
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	34.2	51.4
148	63.5	50.6	76.0



#67
 1,3,5-Trichlorobenzene
 Concen: 4.526 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018026.D
 Acq: 17 Aug 2020 15:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.2	115.8
184	29.8	24.6	36.8
145	28.8	23.5	35.3

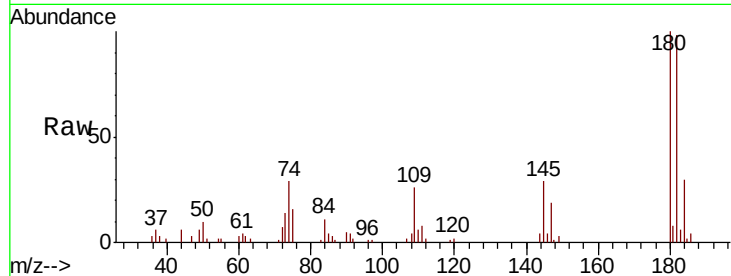




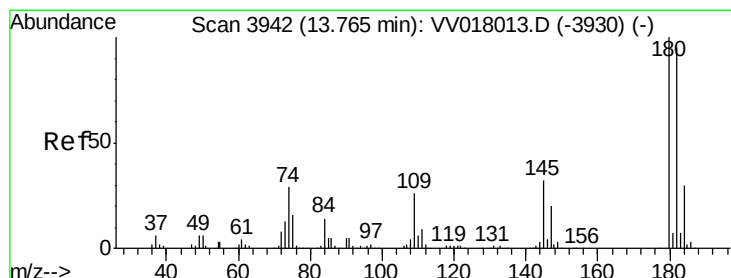
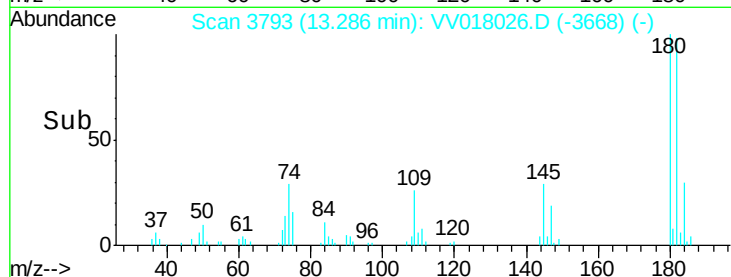
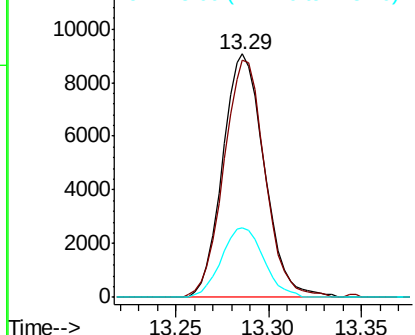
#68
 1,2,4-trichlorobenzene
 Concen: 5.148 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018026.D
 Acq: 17 Aug 2020 15:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F94DL

Tot Ion:180 Resp: 14135
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.4 114.6
 145 28.8 24.0 36.0

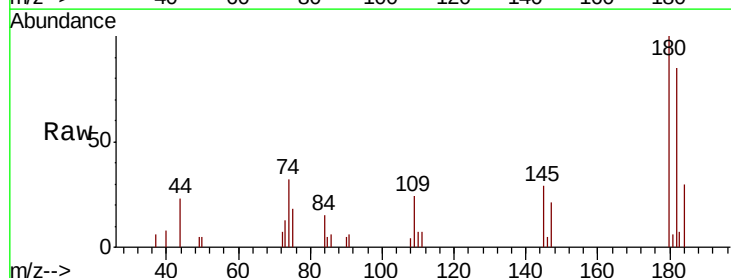


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.315 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018026.D
 Acq: 17 Aug 2020 15:12

Tgt Ion:180 Resp: 3671
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.5 114.7
 145 32.7 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

