

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018027.D
 Acq On : 17 Aug 2020 15:35
 Operator : SY/MD
 Sample : L3684-01DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F89DL

Quant Time: Aug 18 01:27:24 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	268859	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	268072	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	131683	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88960	43.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.74%
7) Chloroethane-d5	1.58	69	76249	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.86%
11) 1,1-Dichloroethene-d2	2.12	63	132289	33.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.42%
21) 2-Butanone-d5	3.91	46	117773	87.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.66%
24) Chloroform-d	4.38	84	161766	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.64%
26) 1,2-Dichloroethane-d4	5.06	65	110871	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
32) Benzene-d6	5.08	84	325148	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
36) 1,2-Dichloropropane-d6	6.09	67	106201	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.94%
41) Toluene-d8	7.34	98	286262	43.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.18%
43) trans-1,3-Dichloropropene-	7.64	79	47203	43.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.18%
47) 2-Hexanone-d5	8.11	63	58354	75.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	130812	41.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	120863	46.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.28%

Target Compounds

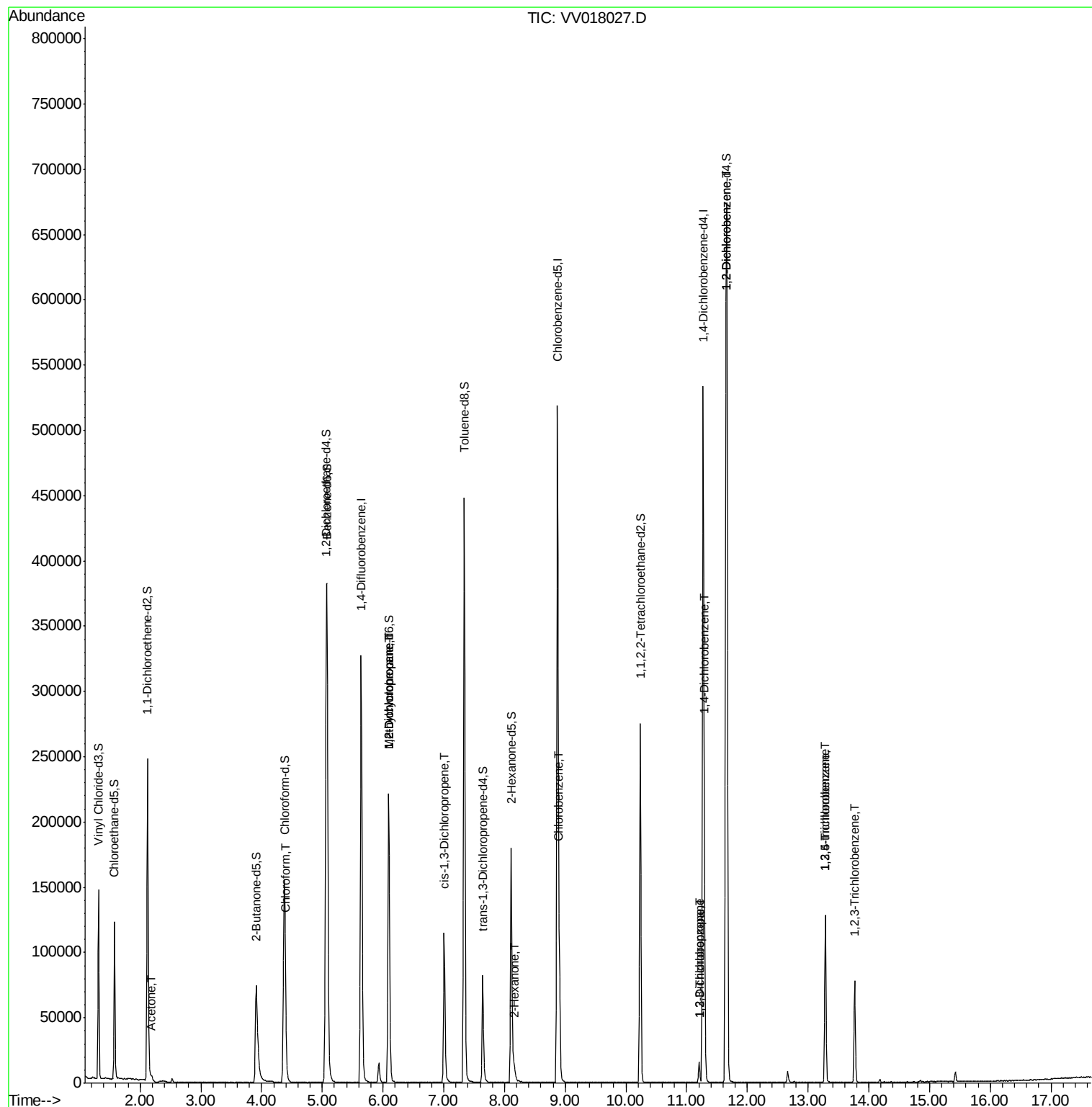
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	4873	3.511	ug/L	95
25) Chloroform	4.40	83	4223	1.111	ug/L	83
35) Methylcyclohexane	6.09	83	25218	7.736	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11852	5.240	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2996	0.934	ug/L #	67
48) 2-Hexanone	8.16	43	5472	2.295	ug/L #	78
51) Chlorobenzene	8.90	112	49335	8.864	ug/L	99
59) 1,2,3-Trichloropropane	11.21	75	1822	0.652	ug/L #	43
62) 1,3-Dichlorobenzene	11.21	146	6499	1.552	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	51000	11.856	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	209858	48.691	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	38932	12.239	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	38932	13.921	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	23592	8.295	ug/L	99

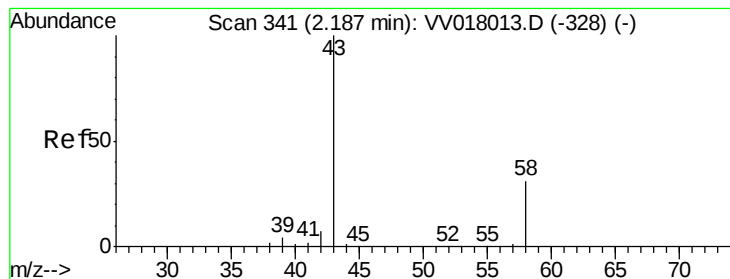
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 18 01:23:44 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.511 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018027.D

Acq: 17 Aug 2020 15:35

Instrument :

MSVOA_V

ClientSampleId :

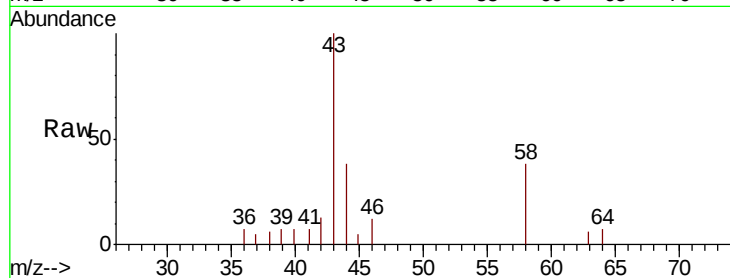
C0F89DL

Tot Ion: 43 Resp: 4873

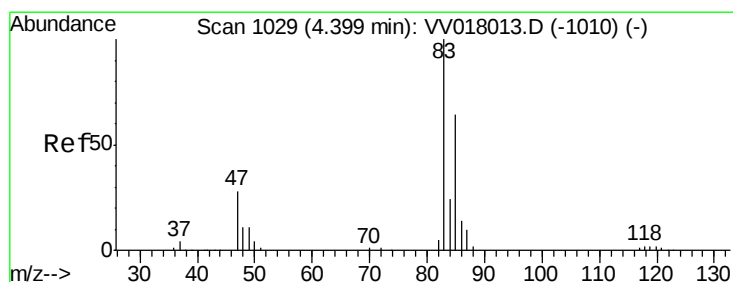
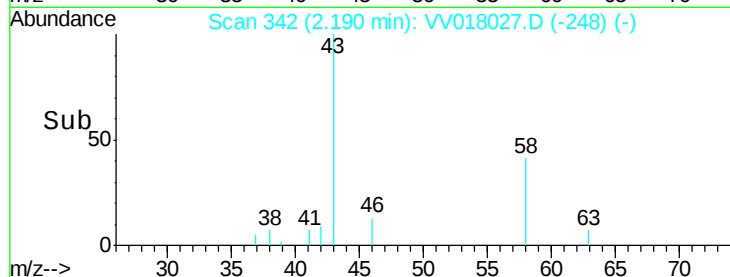
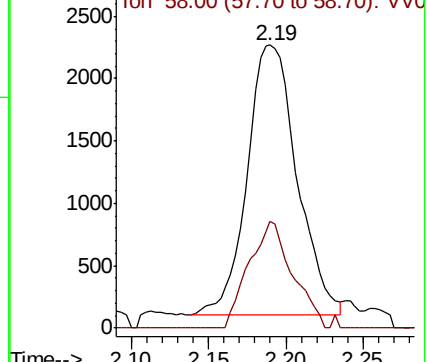
Ion Ratio Lower Upper

43 100

58 34.5 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018013.D (-328) (-)



#25

Chloroform

Concen: 1.111 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV018027.D

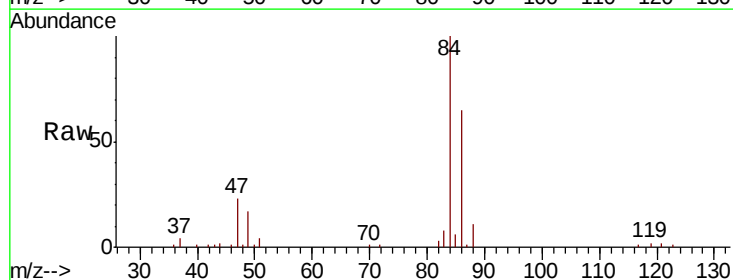
Acq: 17 Aug 2020 15:35

Tgt Ion: 83 Resp: 4223

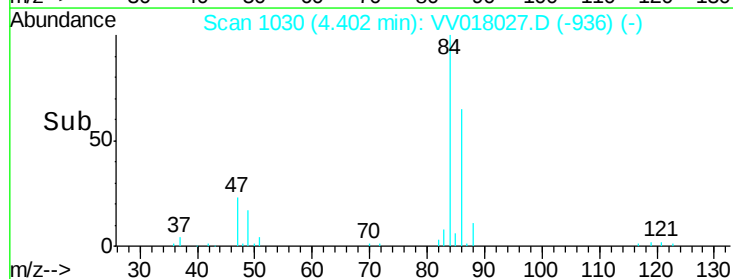
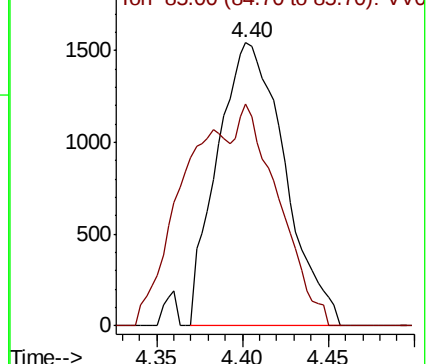
Ion Ratio Lower Upper

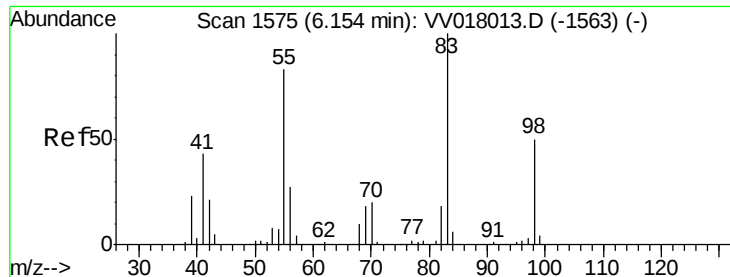
83 100

85 78.3 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV018013.D (-1010) (-)

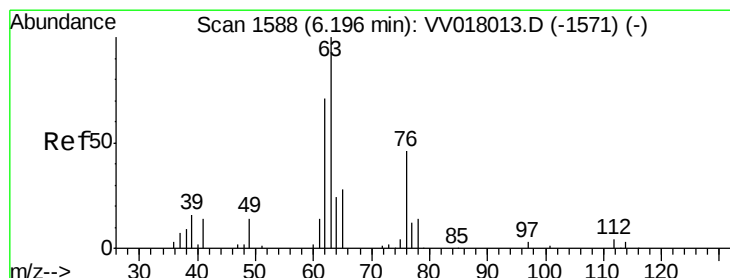
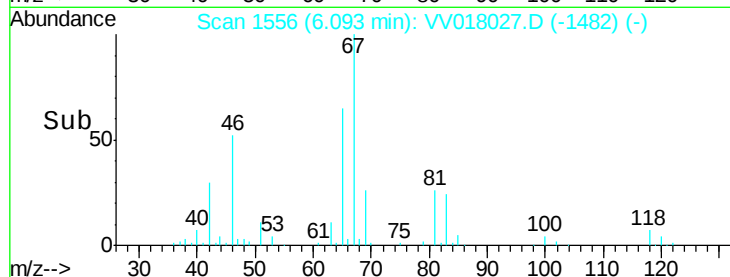
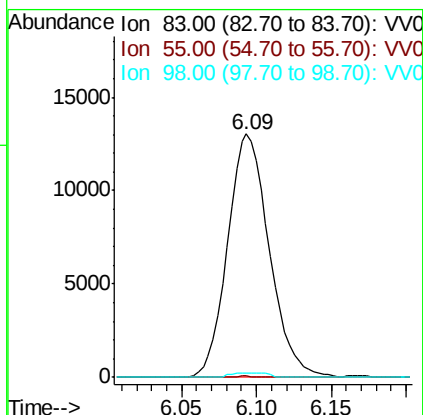
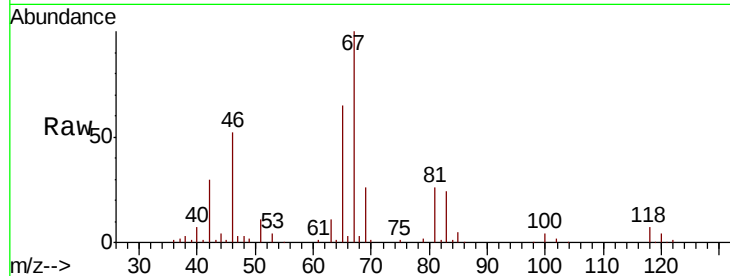




#35
Methvlcvclohexane
Concen: 7.736 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018027.D
Acq: 17 Aug 2020 15:35

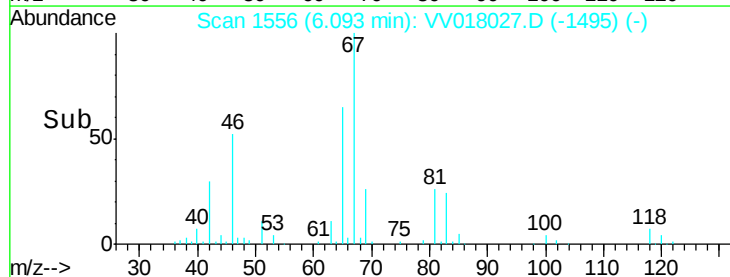
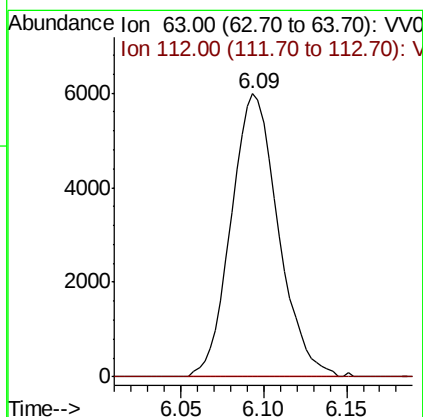
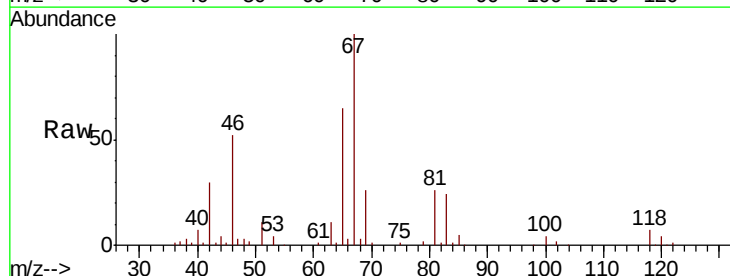
Instrument :
MSVOA_V
ClientSampleId :
C0F89DL

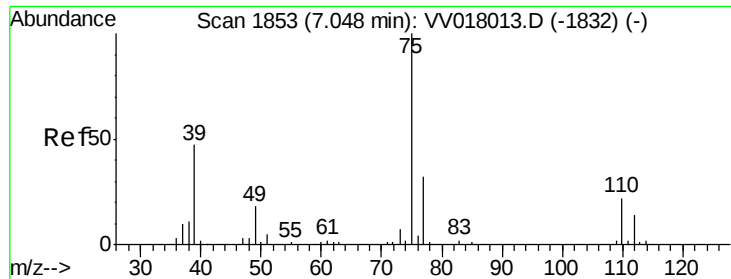
Tot Ion: 83 Resp: 25218
Ion Ratio Lower Upper
83 100
55 0.2 64.9 97.3#
98 0.7 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.240 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018027.D
Acq: 17 Aug 2020 15:35

Tgt Ion: 63 Resp: 11852
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

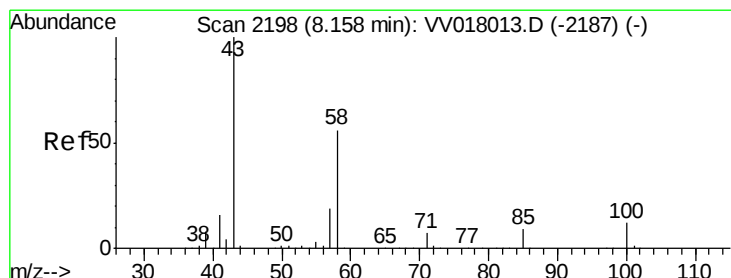
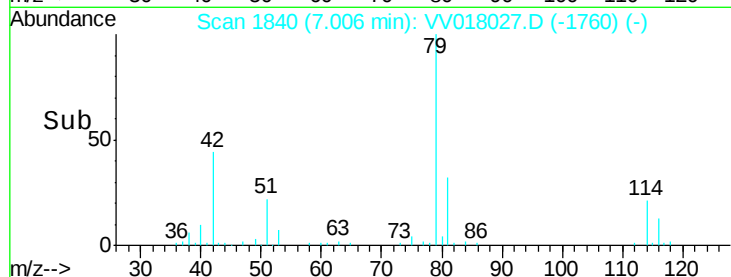
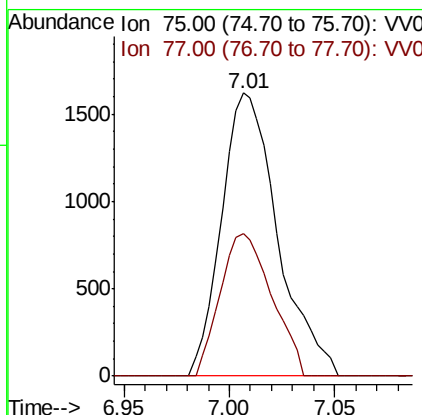
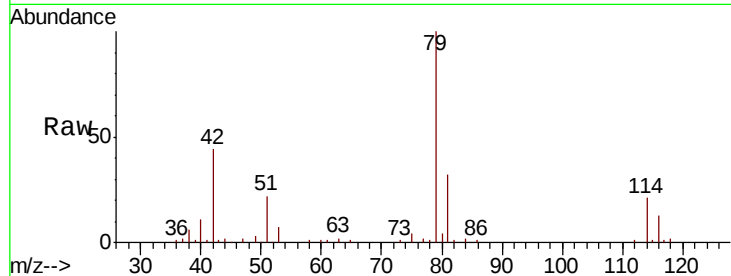




#39
 cis-1,3-Dichloropropene
 Concen: 0.934 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018027.D
 Acq: 17 Aug 2020 15:35

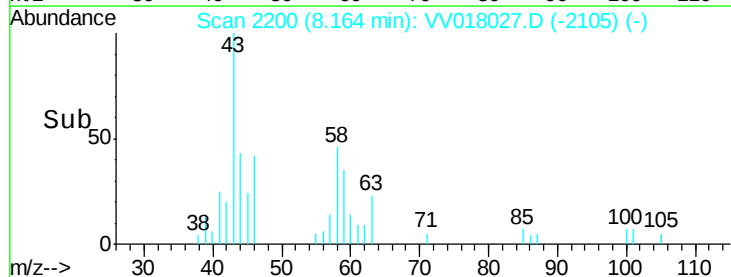
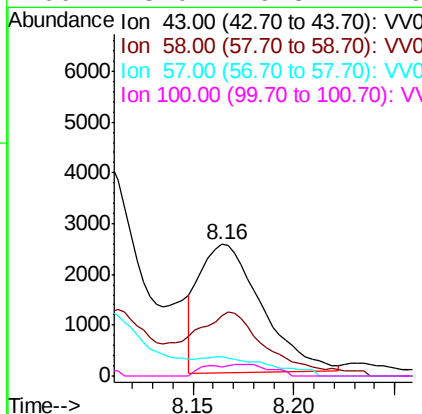
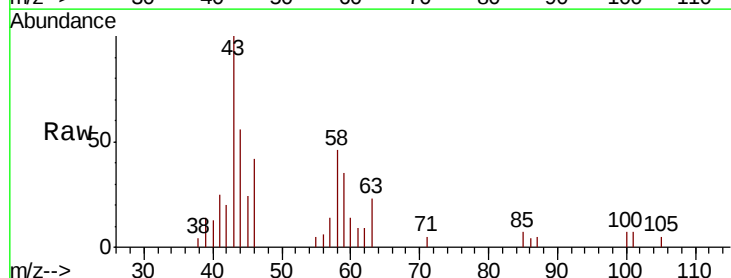
Instrument :
 MSVOA_V
 ClientSampleId :
 C0F89DL

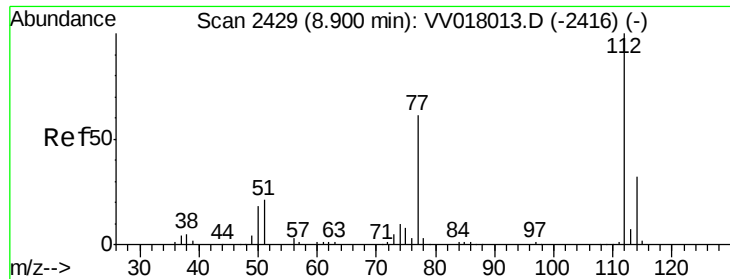
Tot Ion: 75 Resp: 2996
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.3 41.5#



#48
 2-Hexanone
 Concen: 2.295 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV018027.D
 Acq: 17 Aug 2020 15:35

Tgt Ion: 43 Resp: 5472
 Ion Ratio Lower Upper
 43 100
 58 45.1 44.4 66.6
 57 0.0 15.2 22.8#
 100 3.0 9.8 14.6#





#51

Chlorobenzene

Concen: 8.864 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018027.D

Acq: 17 Aug 2020 15:35

Instrument :

MSVOA_V

ClientSampleId :

C0F89DL

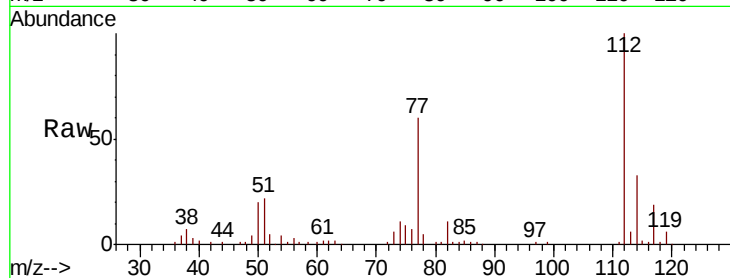
Tot Ion:112 Resp: 49335

Ion Ratio Lower Upper

112 100

114 32.8 22.7 42.3

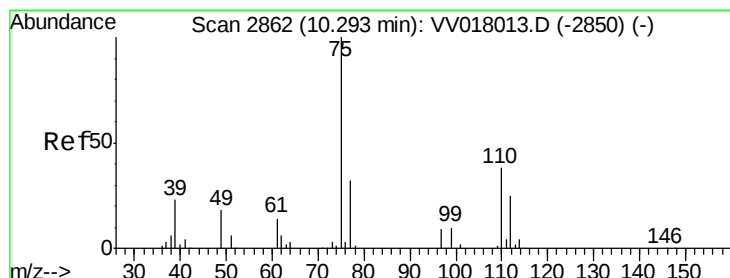
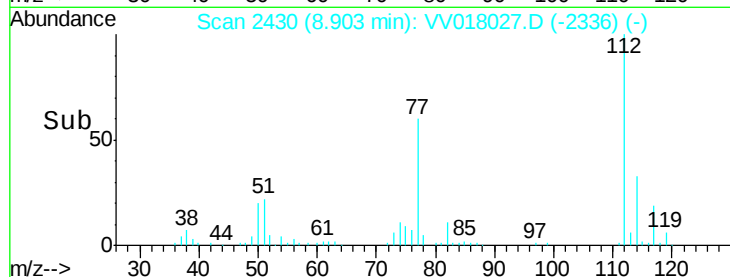
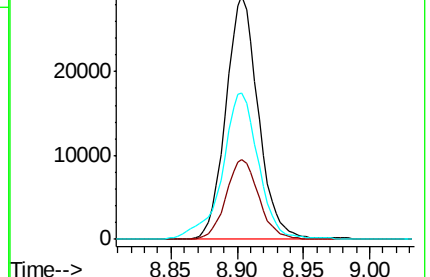
77 60.3 49.4 74.2



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: 0.652 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.91 min

Lab File: VV018027.D

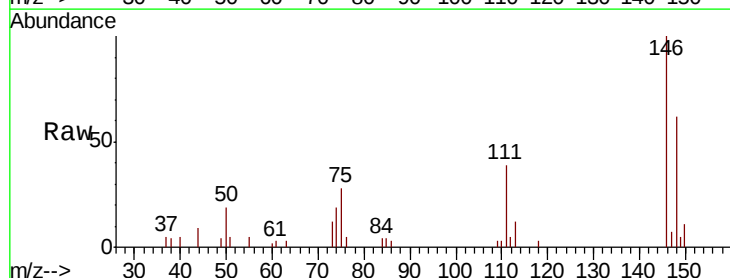
Acq: 17 Aug 2020 15:35

Tgt Ion: 75 Resp: 1822

Ion Ratio Lower Upper

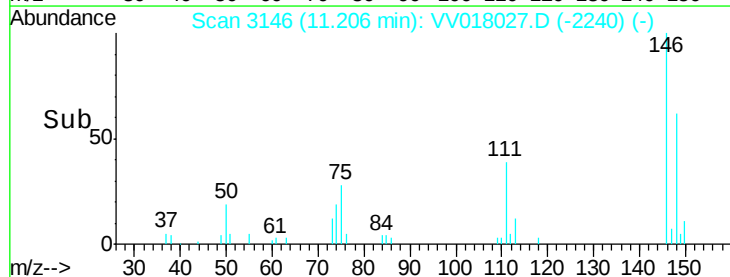
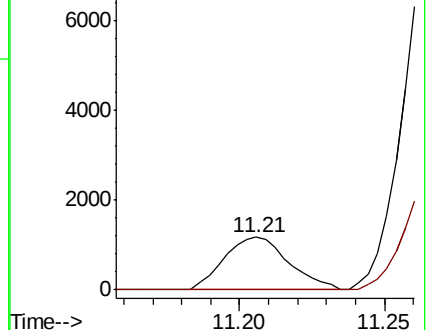
75 100

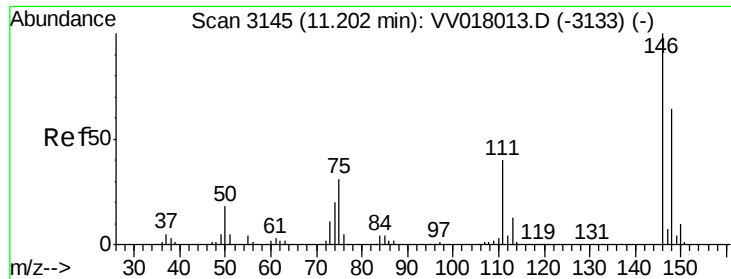
77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 1.552 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018027.D

Acq: 17 Aug 2020 15:35

Instrument :

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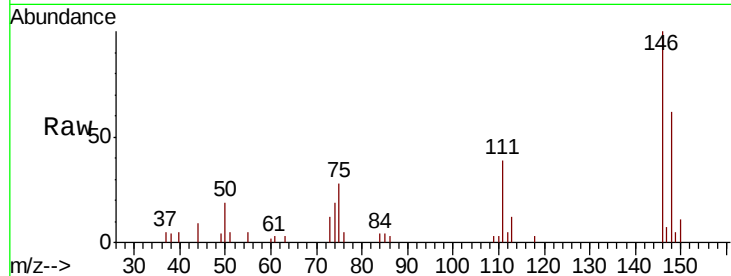
Tot Ion:146 Resp: 6499

Ion Ratio Lower Upper

146 100

111 38.8 28.8 53.4

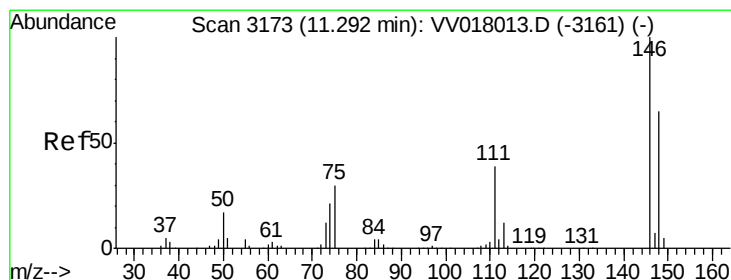
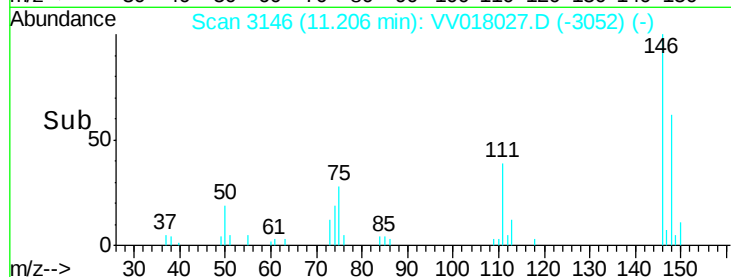
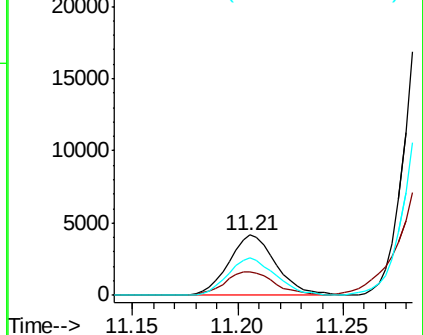
148 62.0 44.9 83.5



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: 11.856 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018027.D

Acq: 17 Aug 2020 15:35

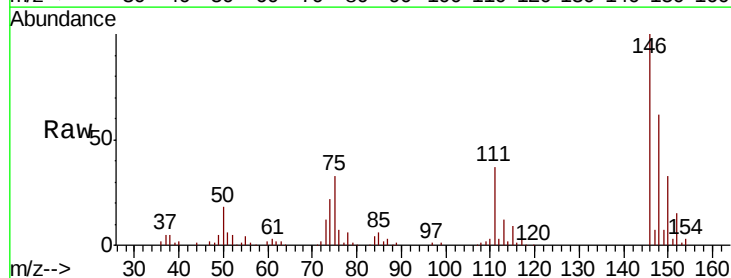
Tgt Ion:146 Resp: 51000

Ion Ratio Lower Upper

146 100

111 37.1 28.0 52.0

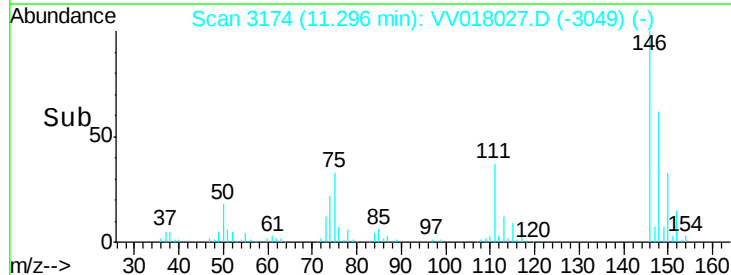
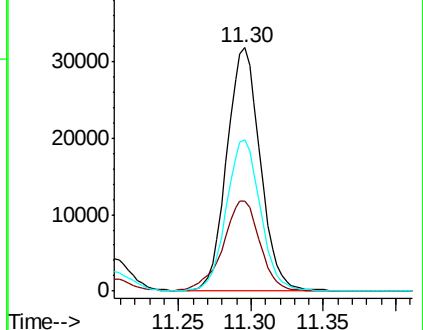
148 62.0 44.2 82.2

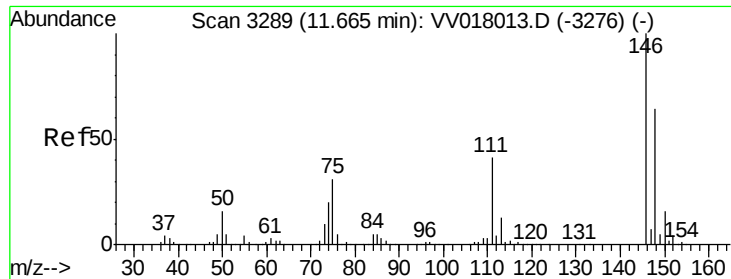


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.691 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018027.D

Acq: 17 Aug 2020 15:35

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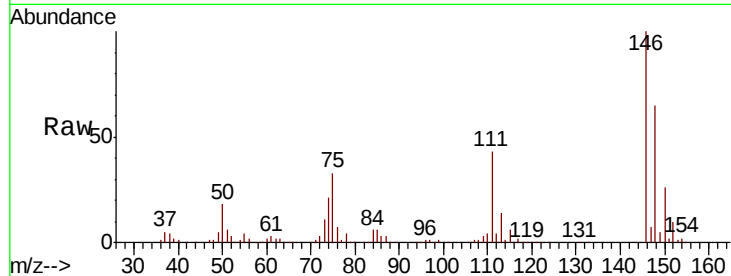
Tot Ion:146 Resp: 209858

Ion Ratio Lower Upper

146 100

111 43.4 34.2 51.4

148 64.5 50.6 76.0

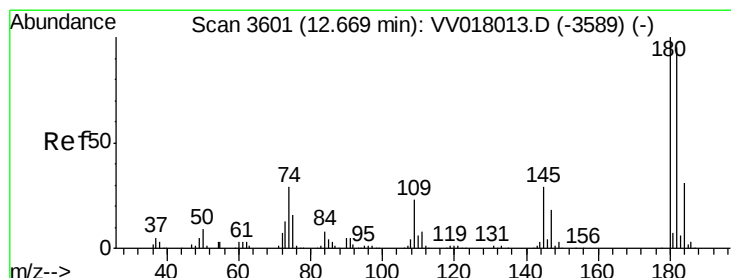
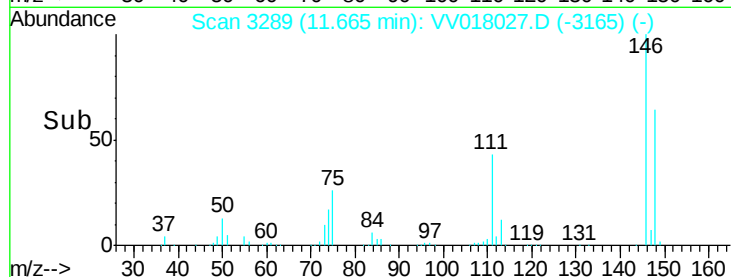
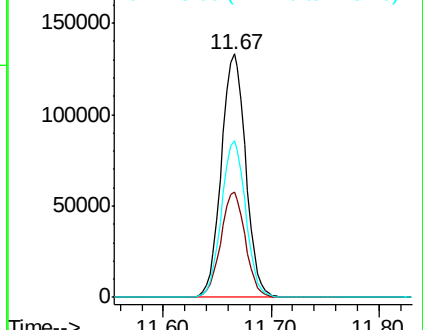


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 12.239 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV018027.D

Acq: 17 Aug 2020 15:35

Tgt Ion:180 Resp: 38932

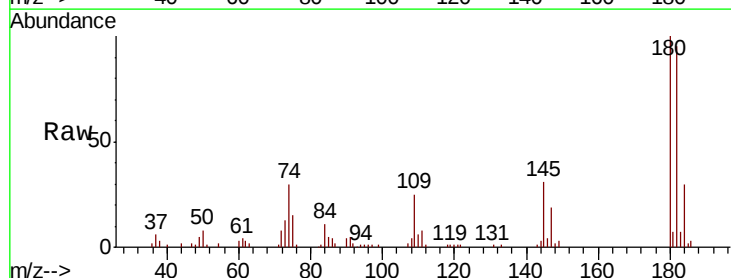
Ion Ratio Lower Upper

180 100

182 96.3 77.2 115.8

184 30.5 24.6 36.8

145 30.1 23.5 35.3



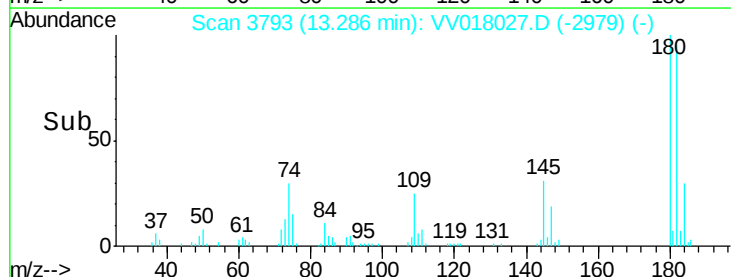
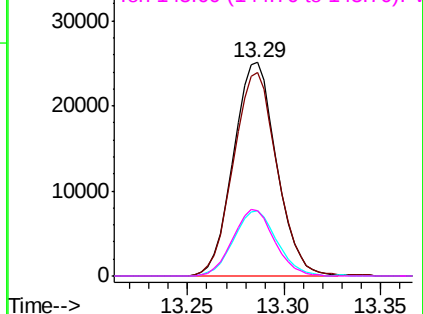
Abundance

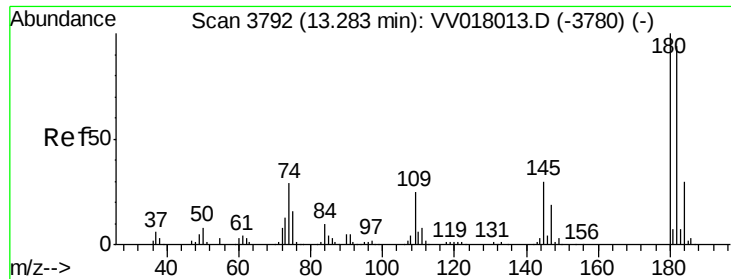
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

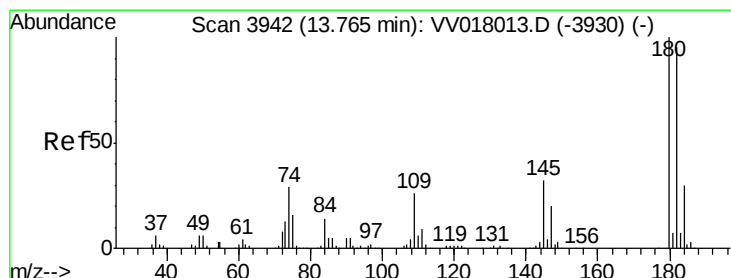
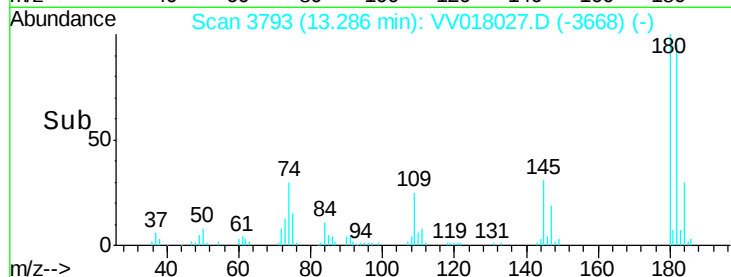
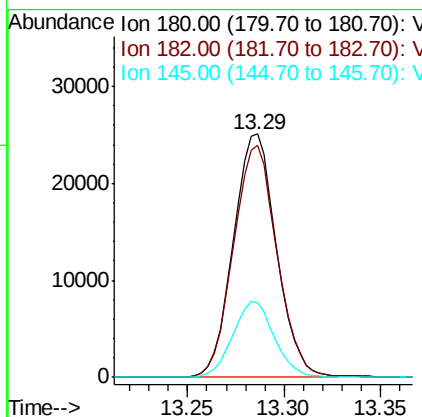
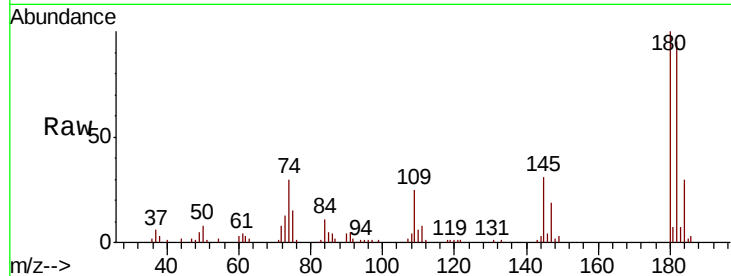




#68
 1,2,4-trichlorobenzene
 Concen: 13.921 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018027.D
 Acq: 17 Aug 2020 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F89DL

Tot Ion:180 Resp: 38932
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.4 114.6
 145 30.1 24.0 36.0



#70
 1,2,3-Trichlorobenzene
 Concen: 8.295 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018027.D
 Acq: 17 Aug 2020 15:35

Tgt Ion:180 Resp: 23592
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.5 114.7
 145 31.3 26.0 39.0

