

Data File : VV010886.D
Acq On : 15 May 2019 04:19
Operator : SY/MD
Sample : K2798-16
Misc : 3.91G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB8A0

Quant Time: May 15 08:13:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 08:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141348	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117893	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	33429	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37834	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.04%
7) Chloroethane-d5	1.56	69	30648	26.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.44%
10) 1,1-Dichloroethene-d2	2.12	63	56911	16.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.80%
20) 2-Butanone-d5	3.93	46	12058	21.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	42.56%
24) Chloroform-d	4.39	84	70371	17.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	68.96%
26) 1,2-Dichloroethane-d4	5.07	65	48733	21.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.00%
29) Benzene-d6	5.09	84	173109	26.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.12%
33) 1,2-Dichloropropane-d6	6.11	67	56135	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	7.36	98	139790	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.16%
38) trans-1,3-Dichloropropene-	7.66	79	15506	17.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.28%
39) 2-Hexanone-d5	8.13	63	5330	13.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	35237	18.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	26806	19.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.80%

Target Compounds

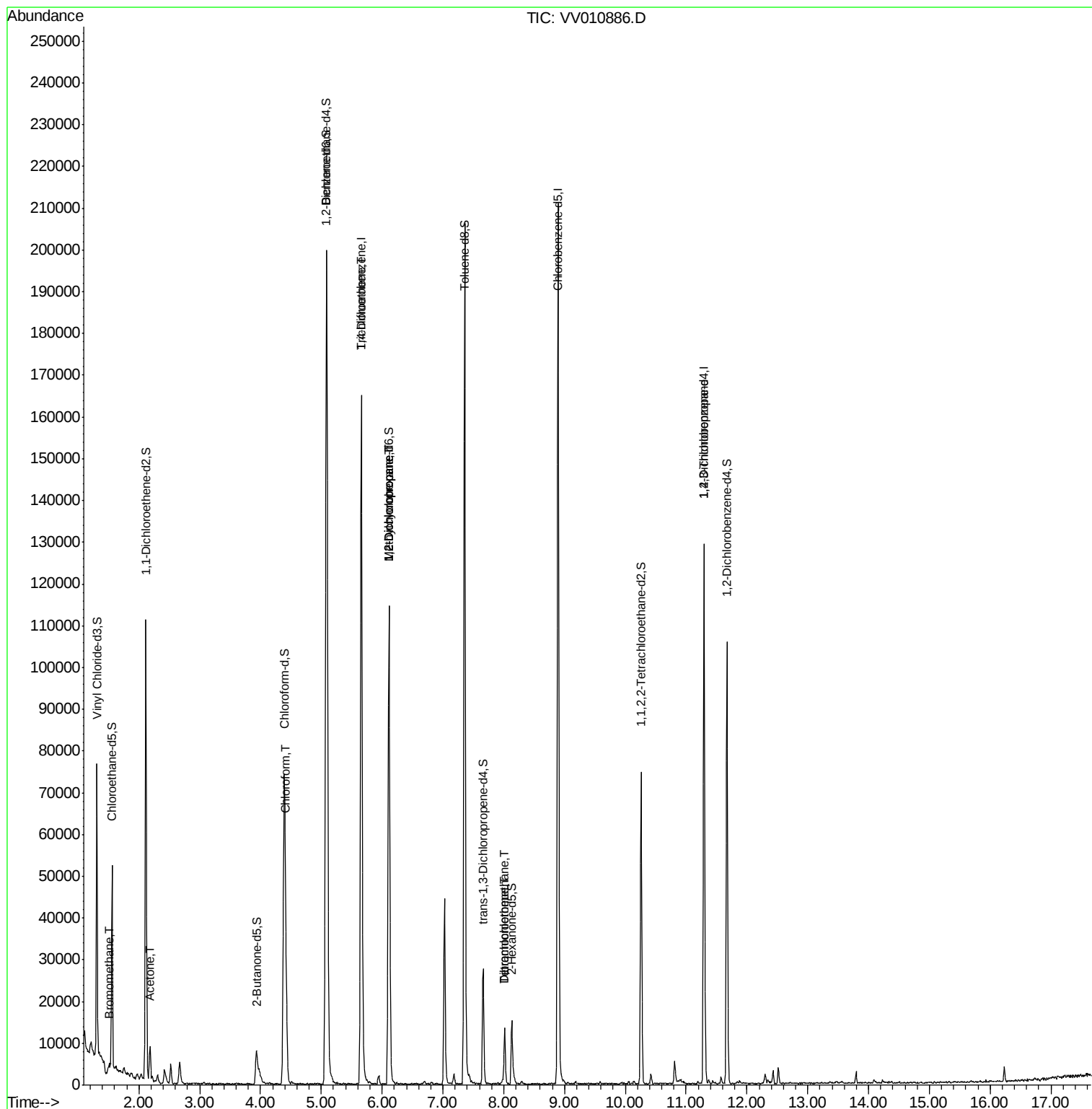
					Qvalue
6) Bromomethane	1.51	94	317	0.675 ug/L	82
13) Acetone	2.18	43	7067	12.246 ug/L	99
25) Chloroform	4.42	83	19567	4.802 ug/L	97
35) Trichloroethene	5.66	95	4285	2.406 ug/L #	5
36) Methylcyclohexane	6.11	83	13390	5.403 ug/L #	19
40) 1,2-Dichloropropane	6.11	63	6218	3.322 ug/L #	88
47) Tetrachloroethene	8.02	164	2911	2.212 ug/L	95
50) Dibromochloromethane	8.01	129	2727	1.627 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	4319	2.995 ug/L	96

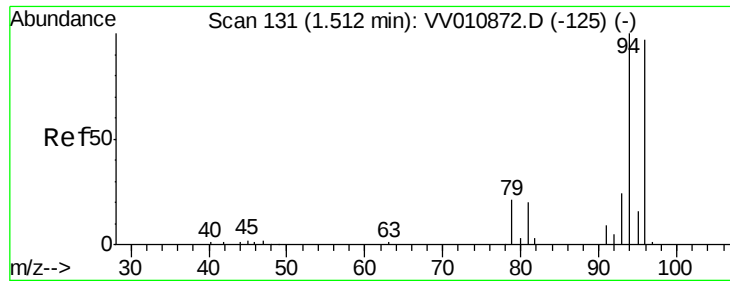
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.675 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.00 min

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Acq: 15 May 2019 04:19

Instrument :

MSVOA_V

ClientSampleId :

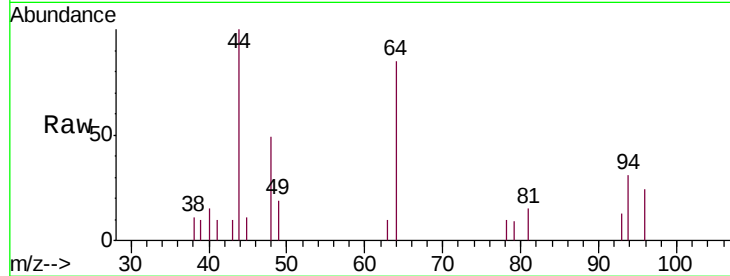
DB8A0

Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

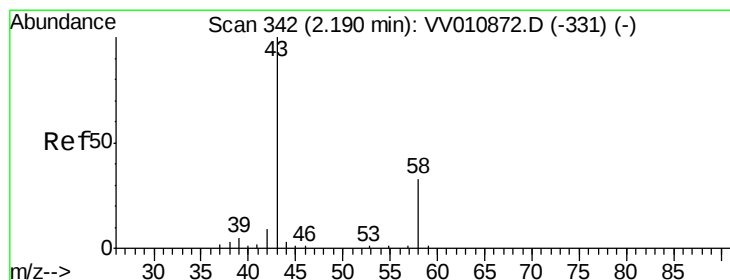
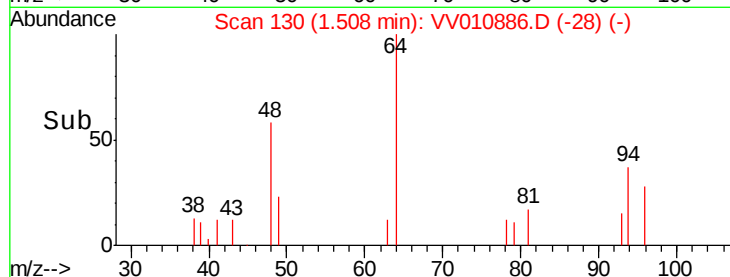
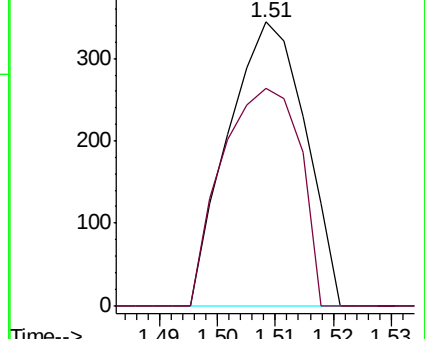
94 100

96 77.6 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#13

Acetone

Concen: 12.246 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

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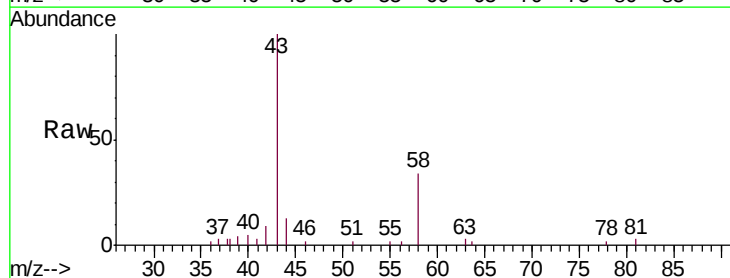
Acq: 15 May 2019 04:19

Tgt Ion: 43 Resp: 7067

Ion Ratio Lower Upper

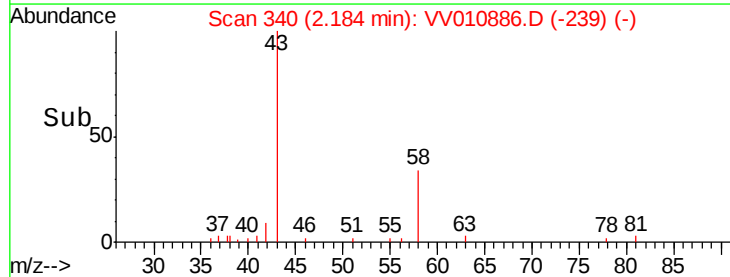
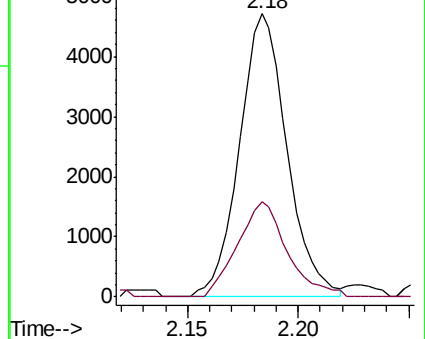
43 100

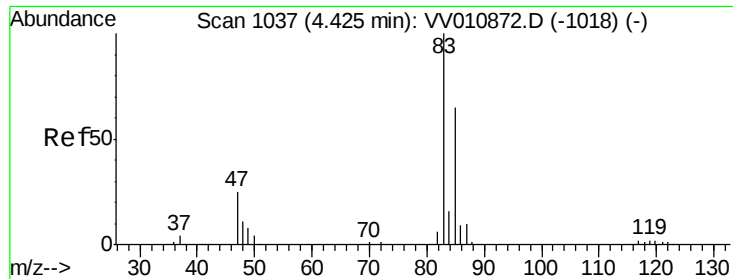
58 35.1 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

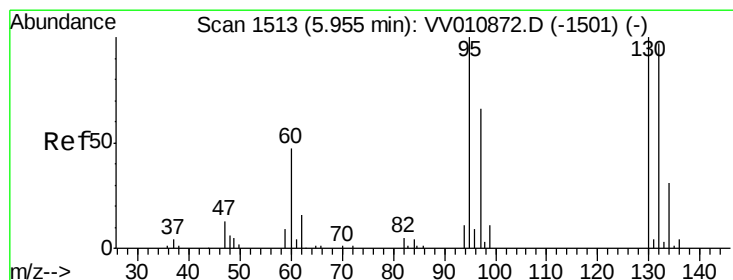
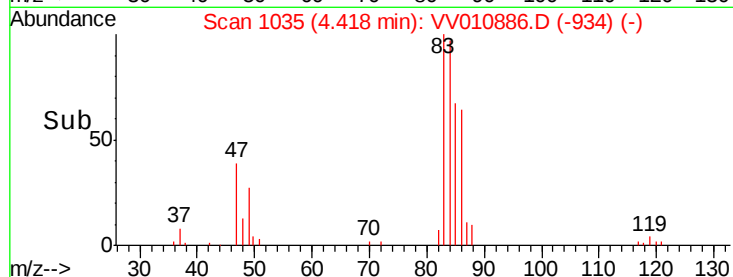
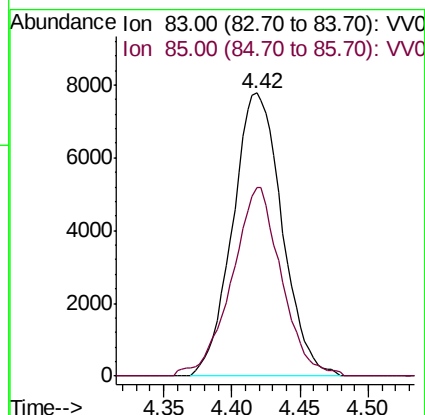
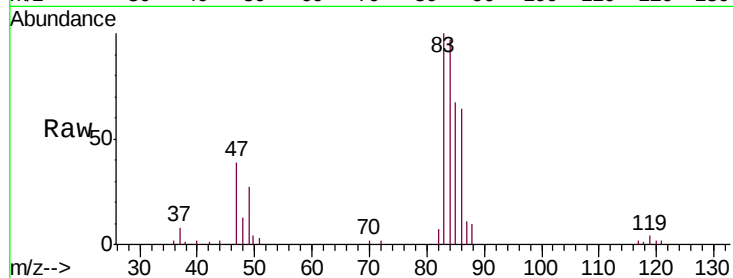




#25
Chloroform
Concen: 4.802 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV010886.D
Acq: 15 May 2019 04:19

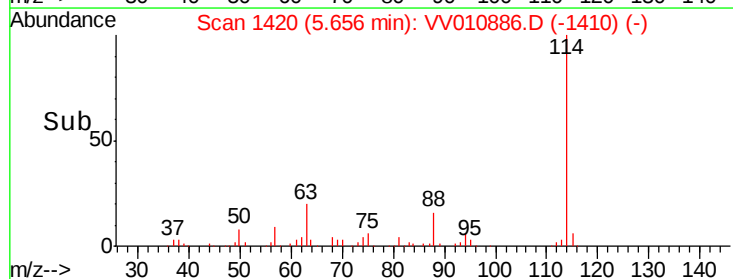
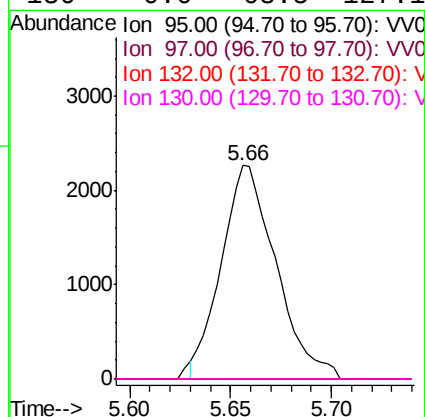
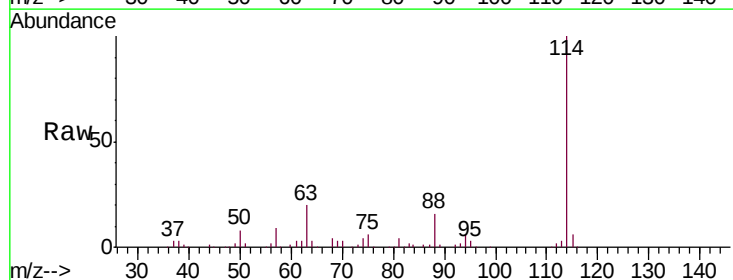
Instrument :
MSVOA_V
ClientSampleId :
DB8A0

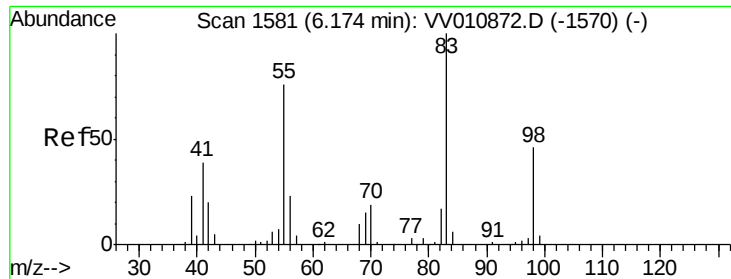
Tgt Ion: 83 Resp: 19567
Ion Ratio Lower Upper
83 100
85 66.9 45.3 84.1



#35
Trichloroethene
Concen: 2.406 ug/L
RT: 5.66 min Scan# 1420
Delta R.T. -0.30 min
Lab File: VV010886.D
Acq: 15 May 2019 04:19

Tgt Ion: 95 Resp: 4285
Ion Ratio Lower Upper
95 100
97 0.0 46.0 85.4#
132 0.0 67.4 125.2#
130 0.0 68.5 127.1#

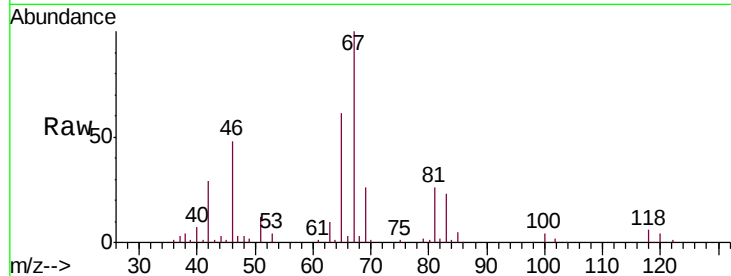




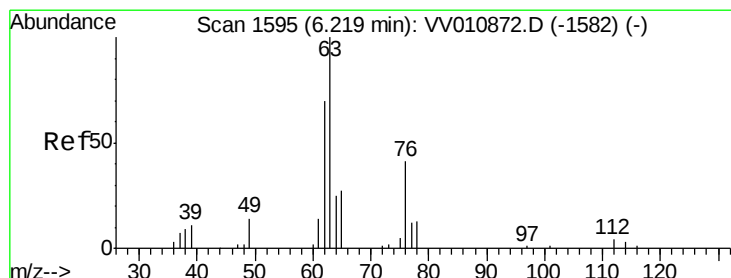
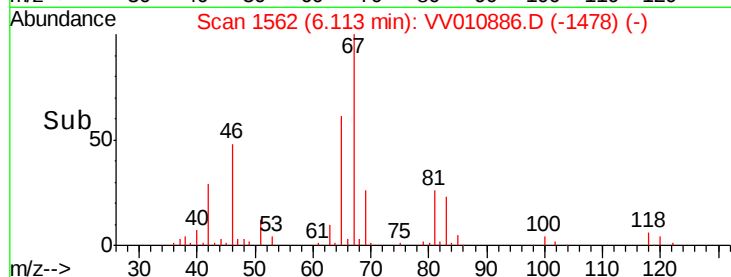
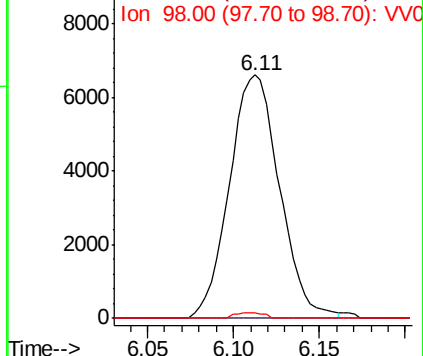
#36
Methylcyclohexane
Concen: 5.403 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010886.D
Acq: 15 May 2019 04:19

Instrument :
MSVOA_V
ClientSampleId :
DB8A0

Tgt Ion: 83 Resp: 13390
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 1.2 37.2 55.8#

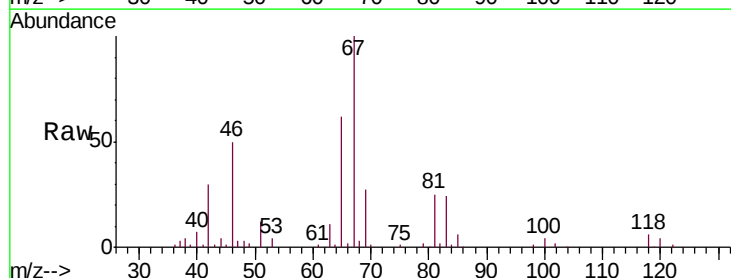


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

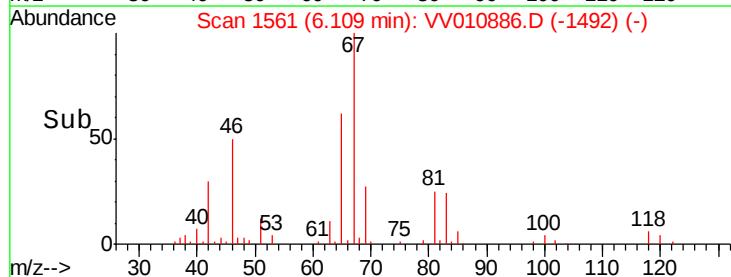
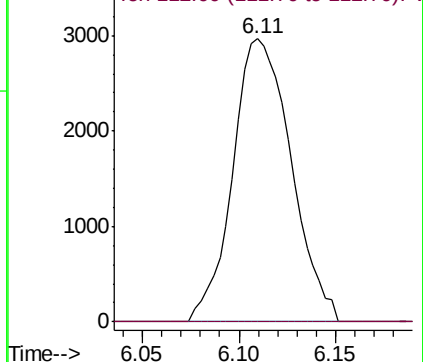


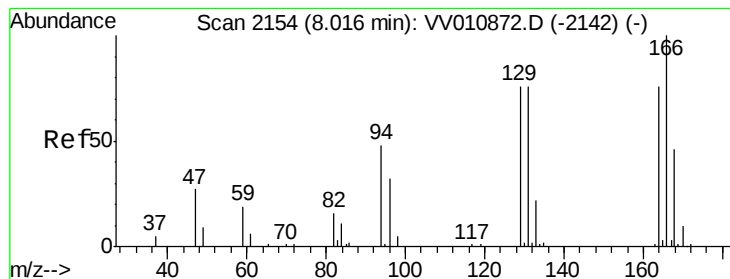
#40
1,2-Dichloropropane
Concen: 3.322 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.11 min
Lab File: VV010886.D
Acq: 15 May 2019 04:19

Tgt Ion: 63 Resp: 6218
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#47

Tetrachloroethene

Concen: 2.212 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010886.D

Acq: 15 May 2019 04:19

Instrument :

MSVOA_V

ClientSampleId :

DB8A0

Tgt Ion:164 Resp: 2911

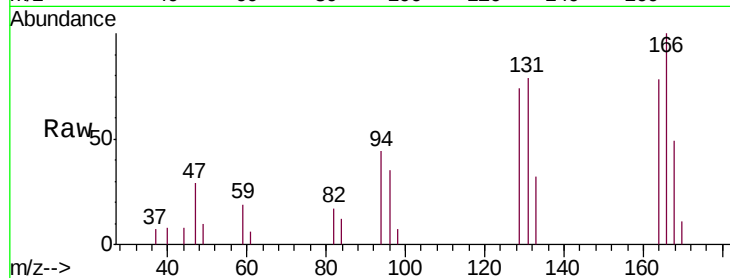
Ion Ratio Lower Upper

164 100

129 95.3 67.6 125.6

131 100.9 65.1 120.9

166 127.9 84.8 157.6

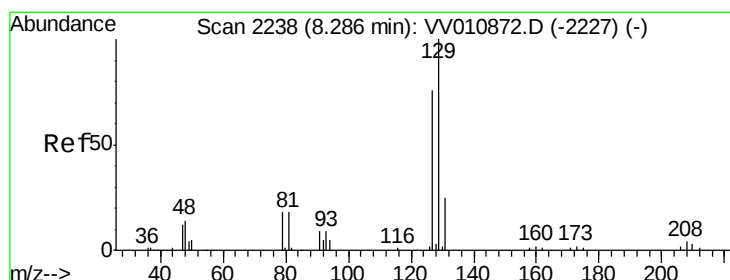
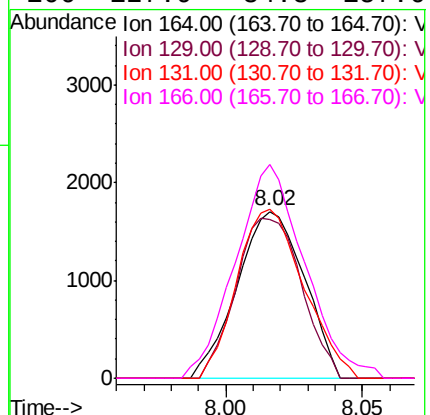
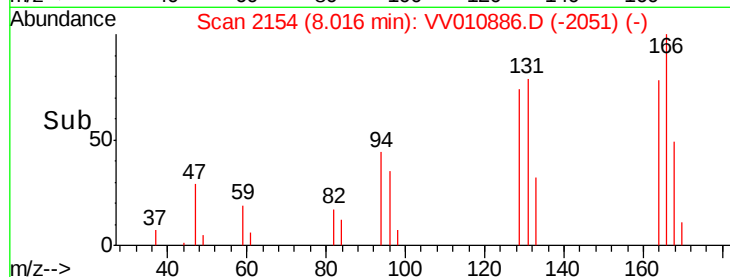


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 1.627 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV010886.D

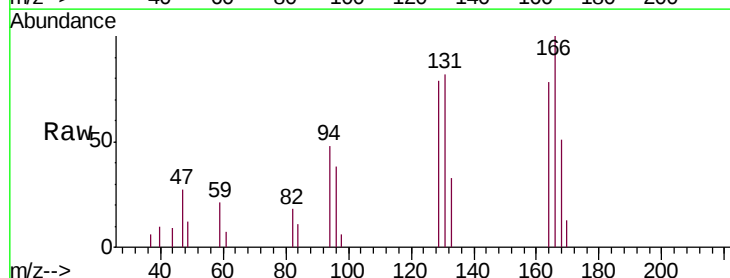
Acq: 15 May 2019 04:19

Tgt Ion:129 Resp: 2727

Ion Ratio Lower Upper

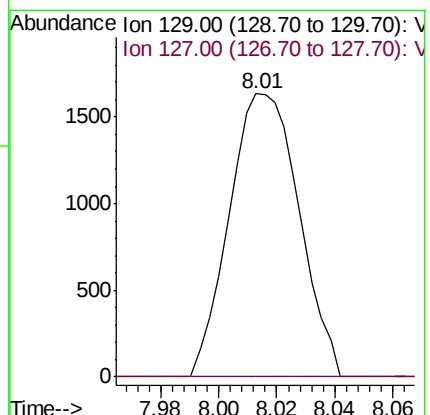
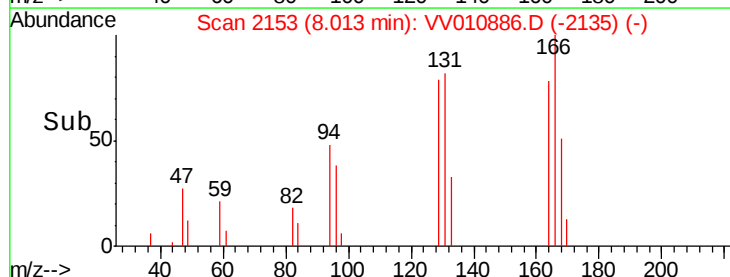
129 100

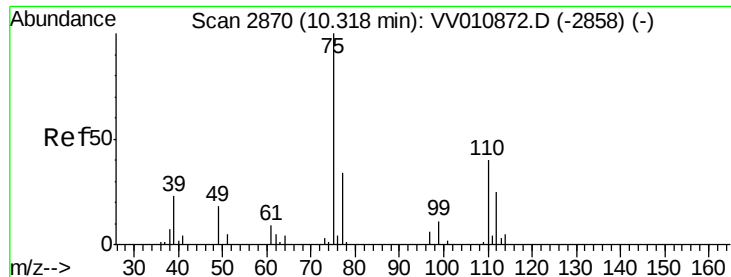
127 0.0 53.8 100.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 2.995 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010886.D

Acq: 15 May 2019 04:19

Instrument :

MSVOA_V

ClientSampleId :

DB8A0

Tgt Ion: 75 Resp: 4319

Ion Ratio Lower Upper

75 100

77 35.1 26.4 39.6

