

Data File : VV011190.D
Acq On : 31 May 2019 21:58
Operator : SY/MD
Sample : K3017-20
Misc : 3.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F1RE

Quant Time: Jun 01 00:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 01 00:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	314565	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	241144	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65881	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	94832	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.12%
7) Chloroethane-d5	1.56	69	79555	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.24%
10) 1,1-Dichloroethene-d2	2.12	63	155853	17.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.36%
20) 2-Butanone-d5	3.93	46	77987	50.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.26%
24) Chloroform-d	4.39	84	200659	26.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.08	65	124705	24.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.56%
29) Benzene-d6	5.09	84	394963	30.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.64%
33) 1,2-Dichloropropane-d6	6.11	67	129472	30.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.44%#
37) Toluene-d8	7.36	98	329008	26.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.52%
38) trans-1,3-Dichloropropene-	7.66	79	47037	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.08%
39) 2-Hexanone-d5	8.13	63	53376	55.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	82283	21.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	54154	21.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.88%

Target Compounds

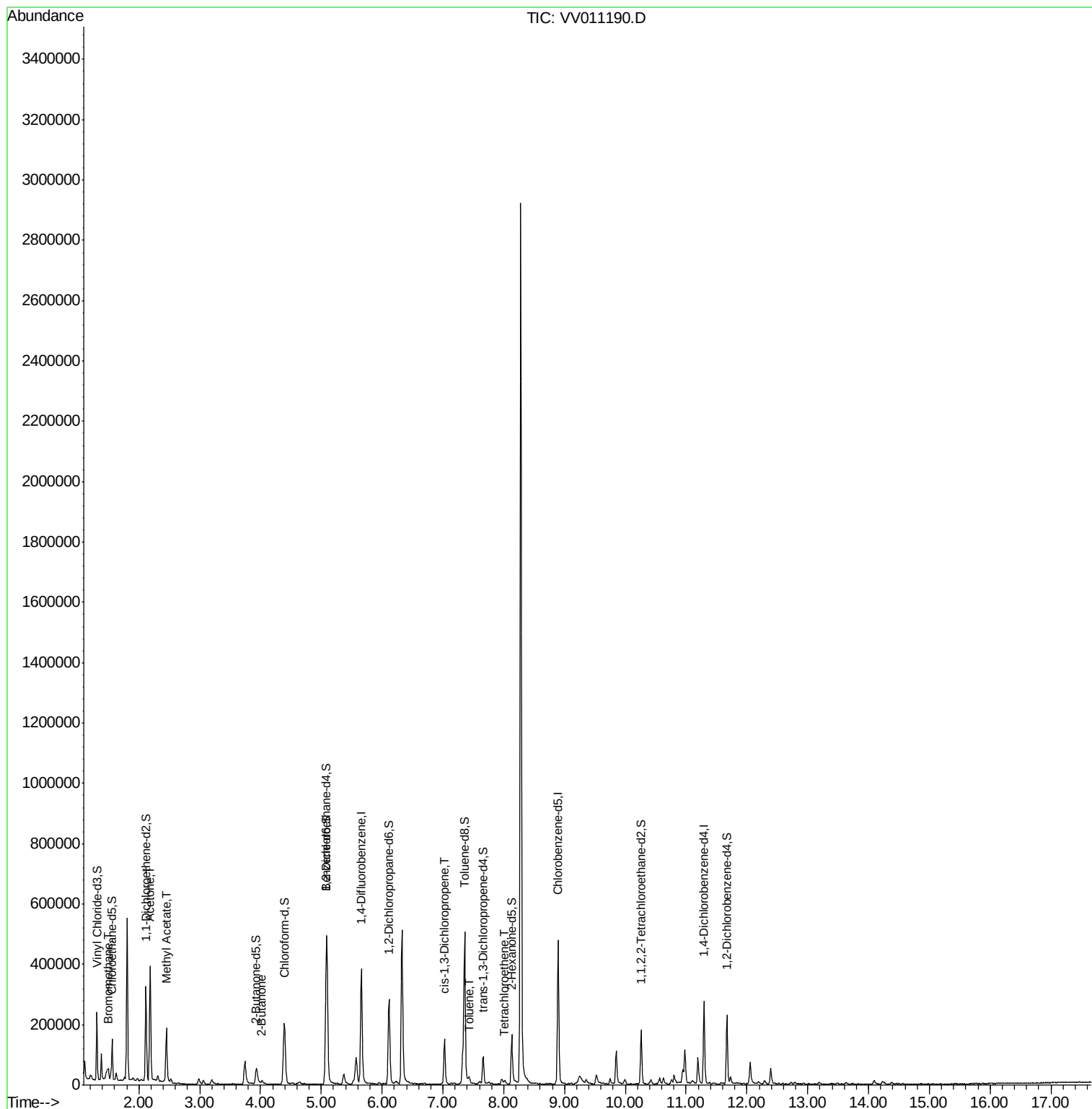
					Qvalue
6) Bromomethane	1.51	94	2412	0.904 ug/L	98
13) Acetone	2.18	43	369709	204.297 ug/L	99
15) Methyl Acetate	2.45	43	185970	68.295 ug/L	98
21) 2-Butanone	4.03	43	14974	7.053 ug/L	95
42) cis-1,3-Dichloropropene	7.03	75	4188	0.701 ug/L #	76
44) Toluene	7.43	91	12712	0.815 ug/L	98
47) Tetrachloroethene	8.02	164	1672	0.602 ug/L	88

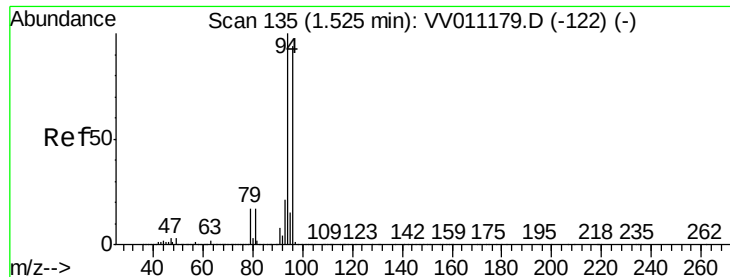
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.904 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.02 min

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Acq: 31 May 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

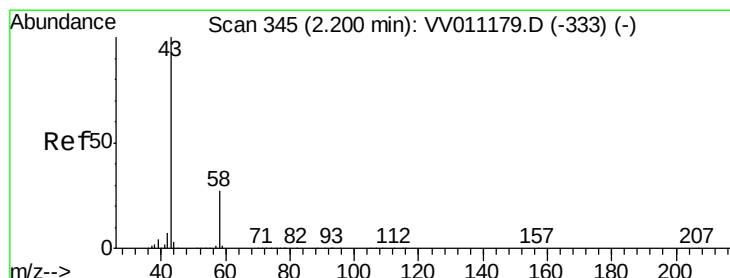
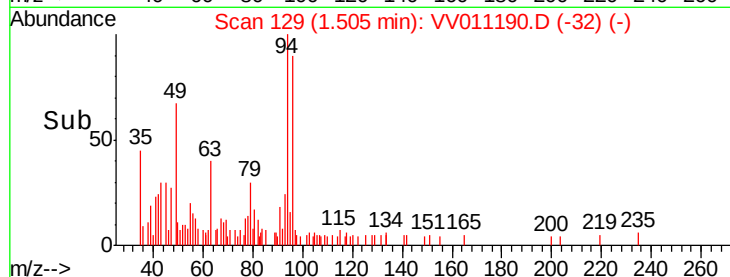
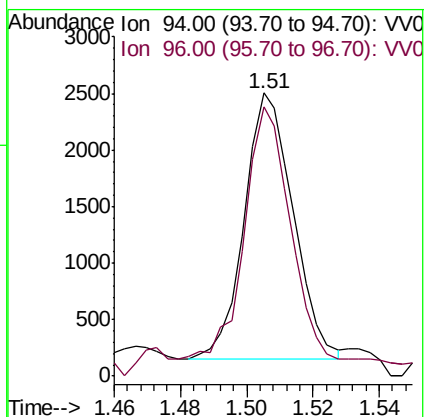
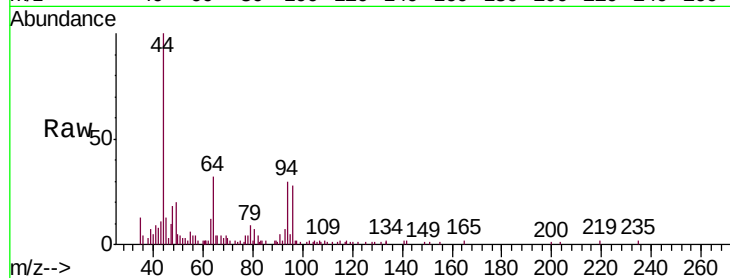
A51F1RE

Tgt Ion: 94 Resp: 2412

Ion Ratio Lower Upper

94 100

96 92.2 9.4 179.5



#13

Acetone

Concen: 204.297 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

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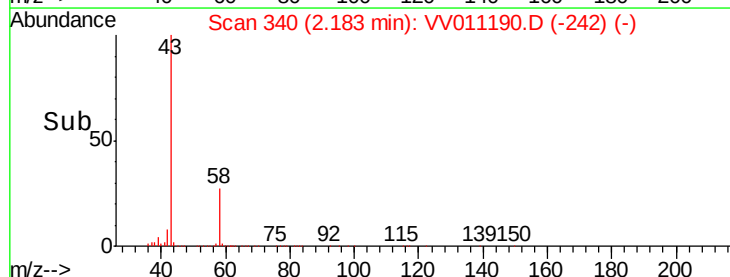
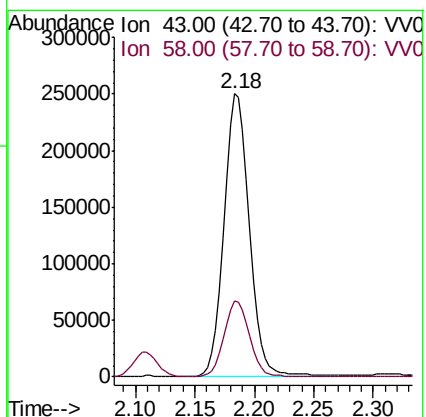
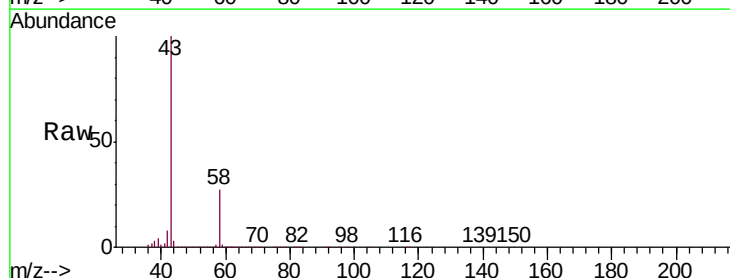
Acq: 31 May 2019 21:58

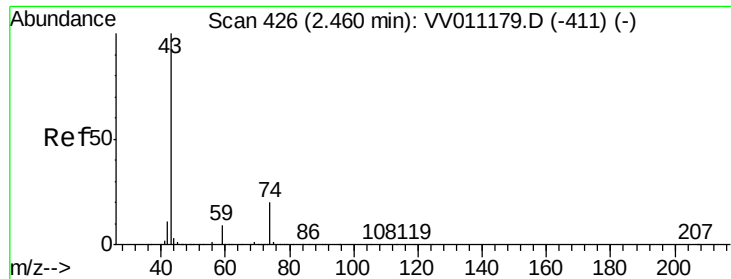
Tgt Ion: 43 Resp: 369709

Ion Ratio Lower Upper

43 100

58 26.4 0.0 53.8

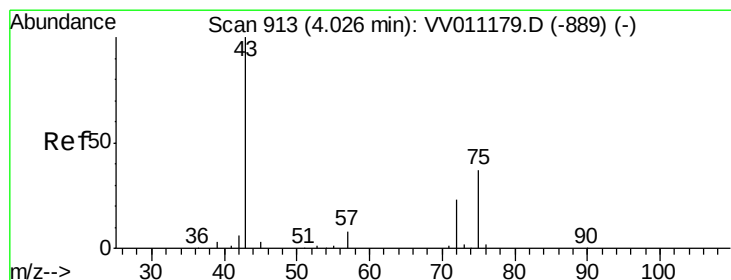
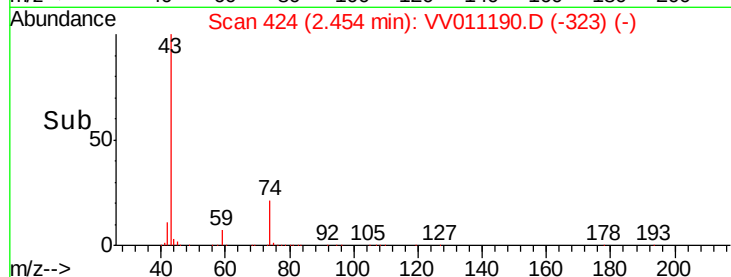
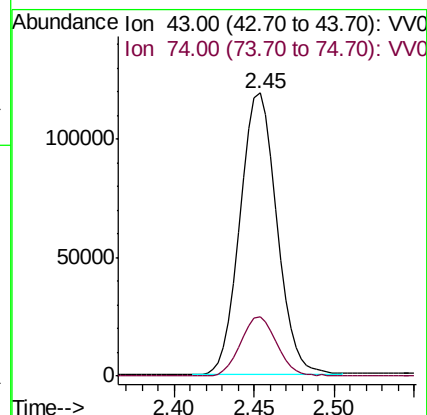
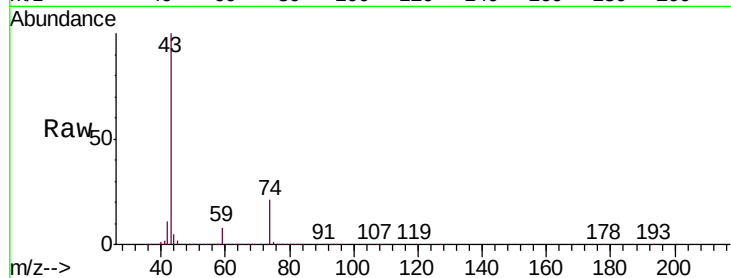




#15
Methyl Acetate
Concen: 68.295 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
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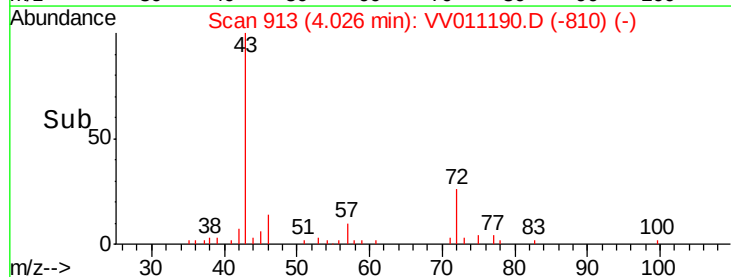
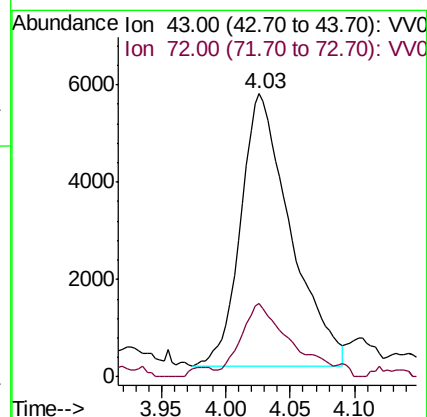
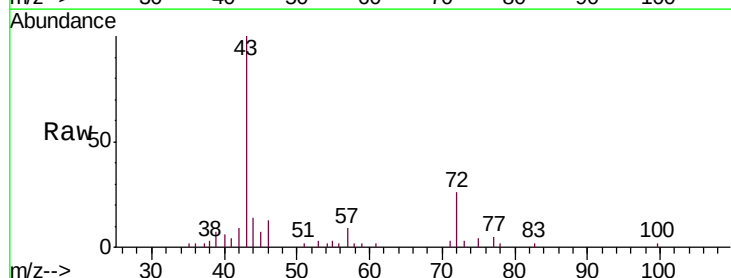
Instrument :
MSVOA_V
ClientSampleId :
A51F1RE

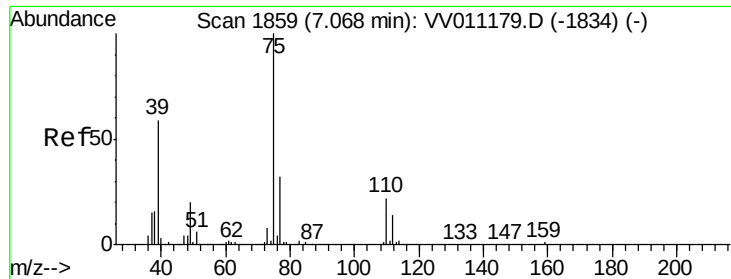
Tgt Ion: 43 Resp: 185970
Ion Ratio Lower Upper
43 100
74 21.0 16.2 24.4



#21
2-Butanone
Concen: 7.053 ug/L
RT: 4.03 min Scan# 913
Delta R.T. -0.00 min
Lab File: VV011190.D
Acq: 31 May 2019 21:58

Tgt Ion: 43 Resp: 14974
Ion Ratio Lower Upper
43 100
72 24.5 11.1 33.3



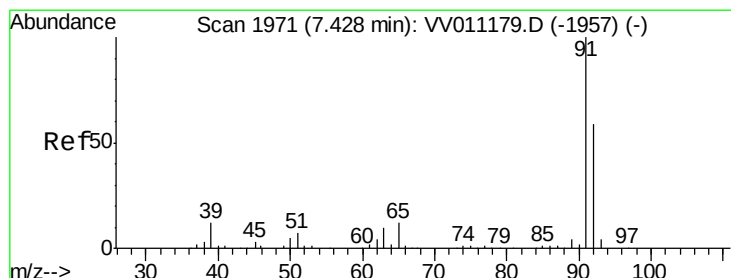
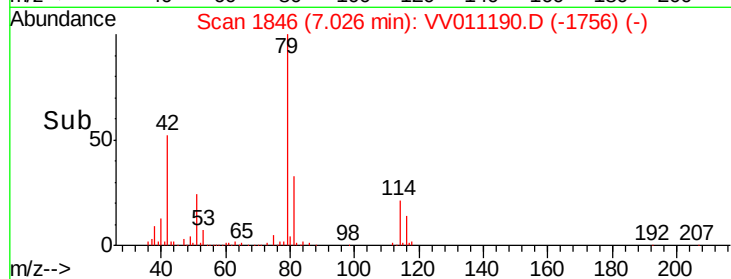
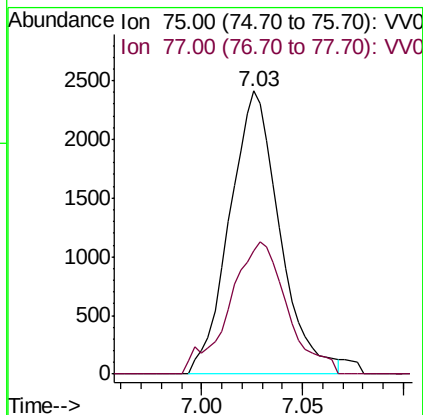
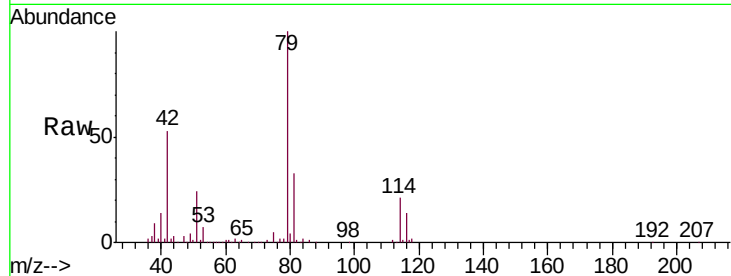


#42

cis-1,3-Dichloropropene
 Concen: 0.701 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011190.D
 Acq: 31 May 2019 21:58

Instrument :
 MSVOA_V
 ClientSampled :
 A51F1RE

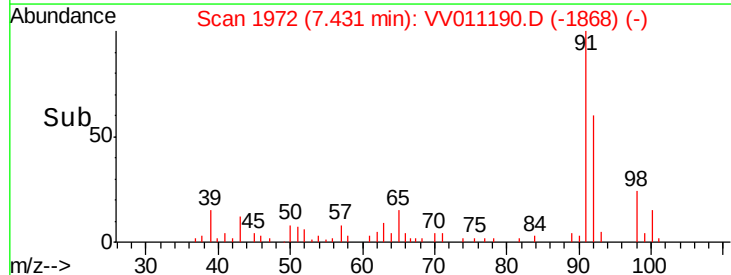
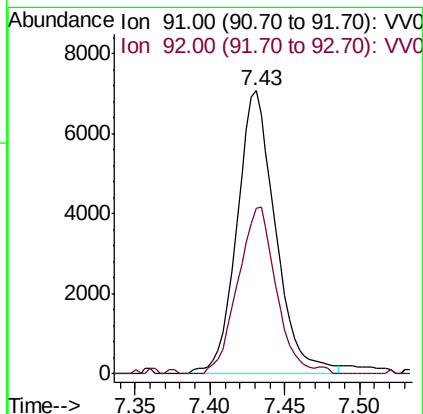
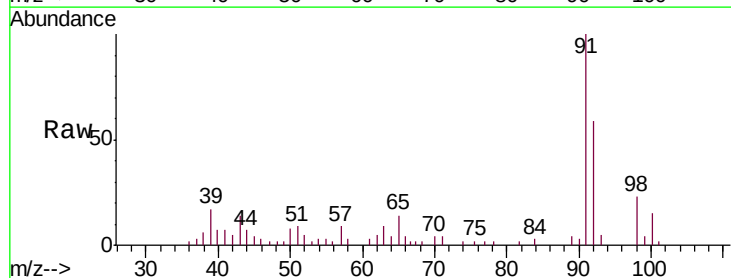
Tgt Ion: 75 Resp: 4188
 Ion Ratio Lower Upper
 75 100
 77 43.6 21.3 39.6#

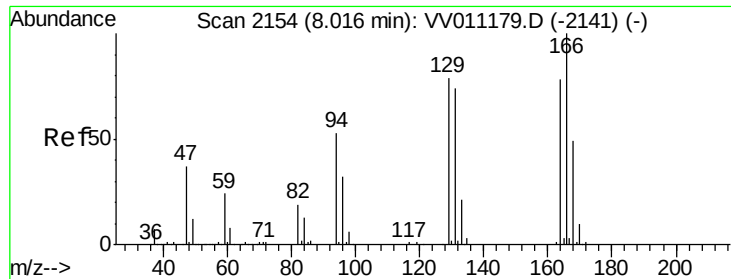


#44

Toluene
 Concen: 0.815 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011190.D
 Acq: 31 May 2019 21:58

Tgt Ion: 91 Resp: 12712
 Ion Ratio Lower Upper
 91 100
 92 58.6 39.9 74.1

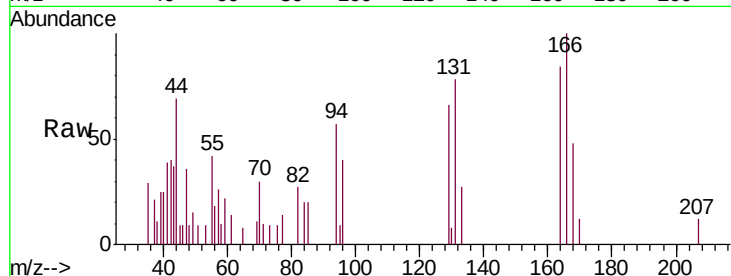




#47
Tetrachloroethene
Concen: 0.602 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011190.D
Acq: 31 May 2019 21:58

Instrument :
MSVOA_V
ClientSampleId :
A51F1RE

Tgt Ion:	164	Resp:	1672
Ion	Ratio	Lower	Upper
164	100		
129	78.4	69.1	128.3
131	92.7	65.5	121.6
166	118.4	93.2	173.0



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

