

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013830.D
 Acq On : 27 Nov 2019 18:40
 Operator : SY/MD
 Sample : K6003-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 03:10:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	327627	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	331476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	149709	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71468	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.58	69	73499	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.13	63	103880	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.95	46	238627	56.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.22%
24) Chloroform-d	4.40	84	183134	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.08	65	96515	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.10	84	353525	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.11	67	114443	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.36	98	294236	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	7.66	79	39249	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.14	63	169442	46.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	88137	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	131237	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

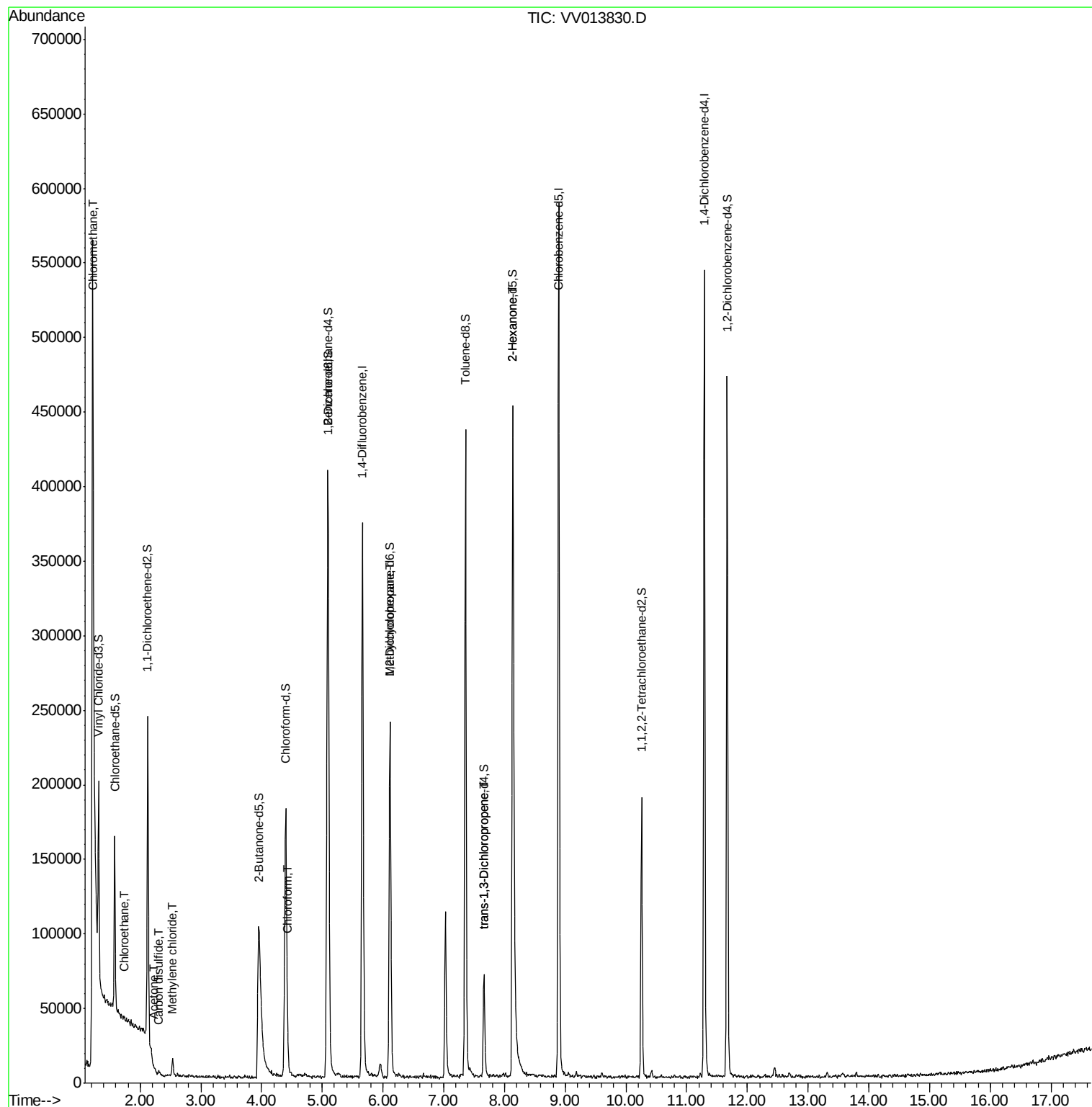
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.22	50	19829	1.035	ug/L #	50
8) Chloroethane	1.75	64	1809	0.153	ug/L #	53
13) Acetone	2.22	43	5054	1.714	ug/L	67
14) Carbon disulfide	2.32	76	2410	0.066	ug/L #	91
16) Methylene chloride	2.53	84	4519	0.209	ug/L	80
25) Chloroform	4.43	83	4069	0.108	ug/L	99
35) Methylcyclohexane	6.12	83	30270	1.011	ug/L #	19
44) trans-1,3-Dichloropropene	7.66	75	1855	0.080	ug/L	95
48) 2-Hexanone	8.14	43	20923	2.404	ug/L #	75

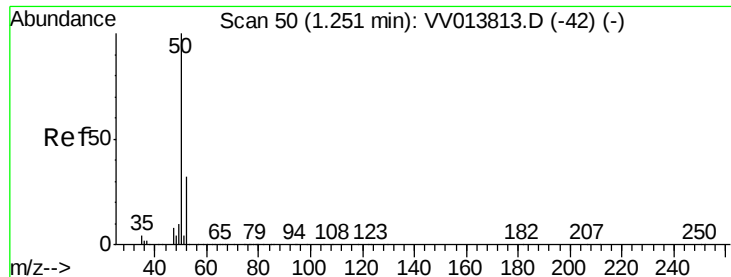
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.035 ug/L

RT: 1.22 min Scan# 40

Delta R.T. -0.03 min

Lab File: VV013830.D

Acq: 27 Nov 2019 18:40

Instrument :

MSVOA_V

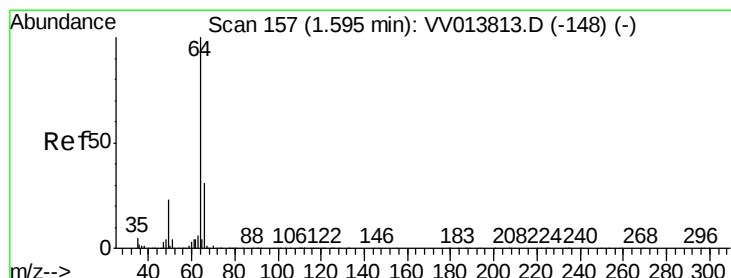
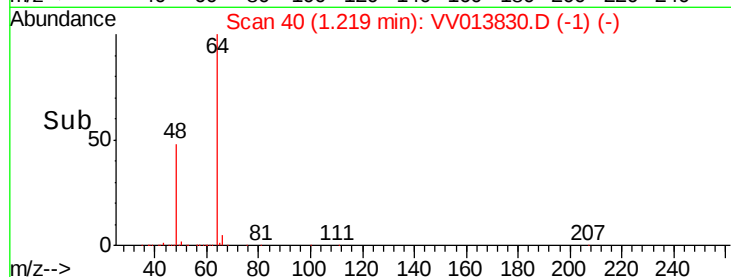
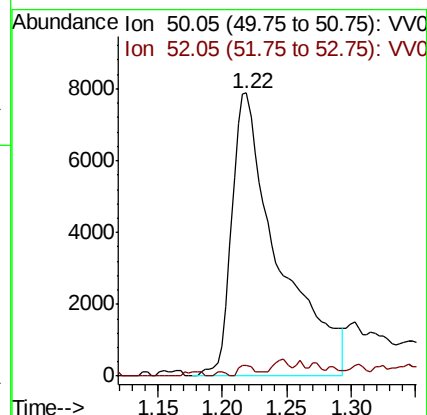
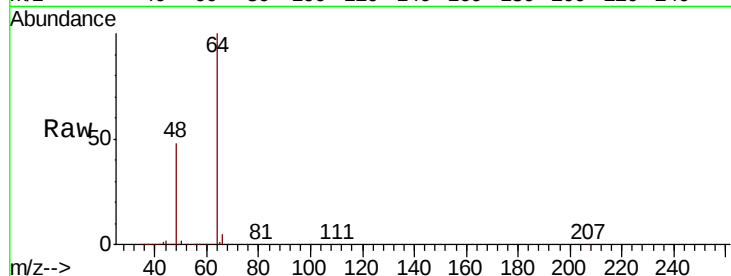
ClientSampleId :

Tot Ion: 50 Resp: 19829

Ion Ratio Lower Upper

50 100

52 3.9 22.5 41.7#



#8

Chloroethane

Concen: 0.153 ug/L

RT: 1.75 min Scan# 204

Delta R.T. 0.15 min

Lab File: VV013830.D

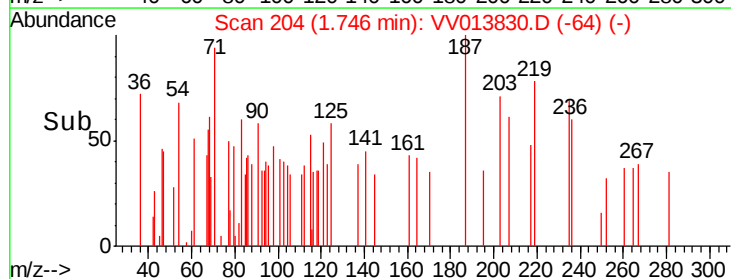
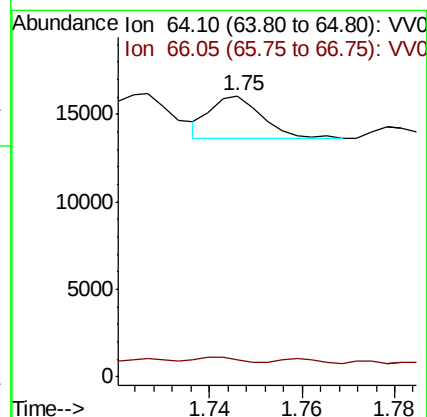
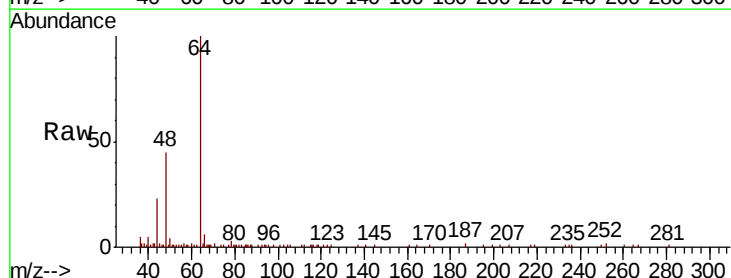
Acq: 27 Nov 2019 18:40

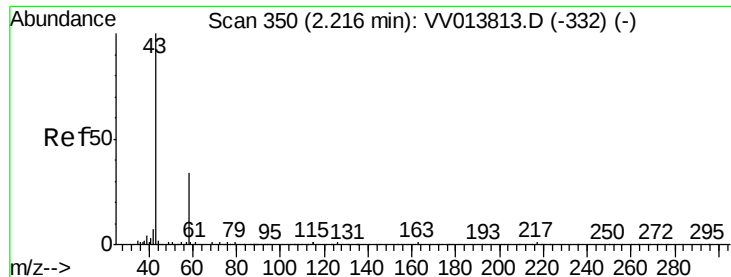
Tgt Ion: 64 Resp: 1809

Ion Ratio Lower Upper

64 100

66 6.0 22.6 42.0#





#13

Acetone

Concen: 1.714 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV013830.D

Acq: 27 Nov 2019 18:40

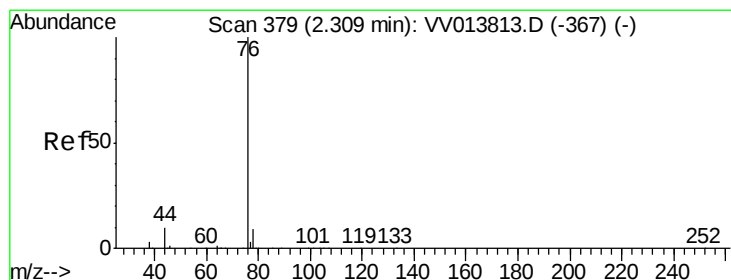
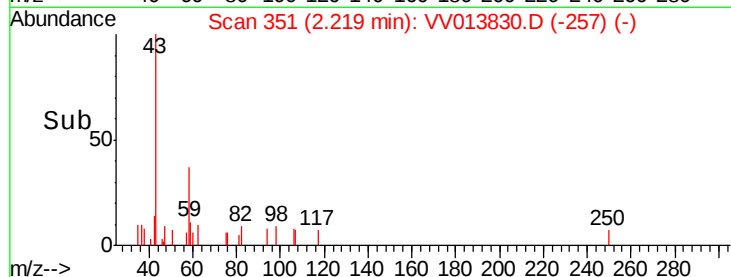
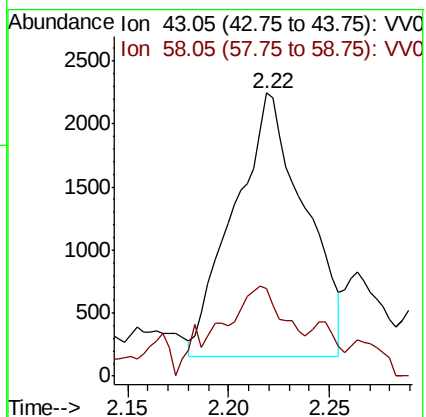
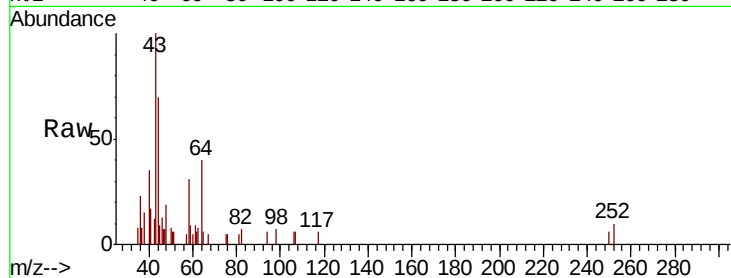
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 5054

Ion Ratio Lower Upper

43 100

58 27.0 0.0 27.2



#14

Carbon disulfide

Concen: 0.066 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013830.D

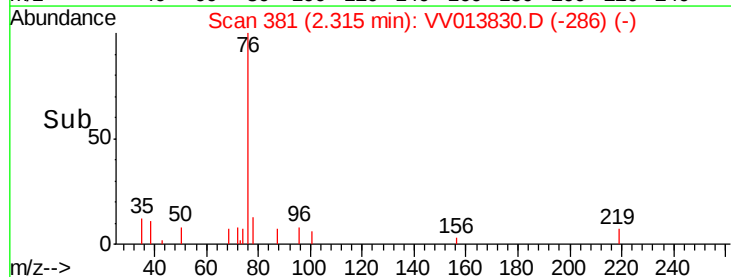
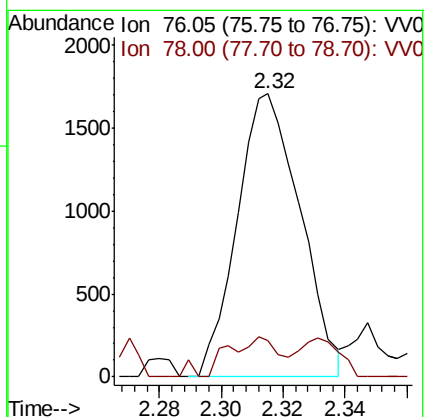
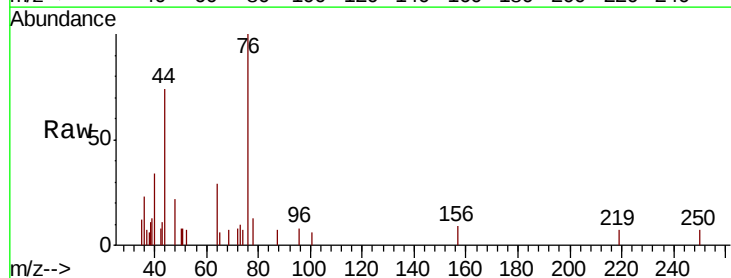
Acq: 27 Nov 2019 18:40

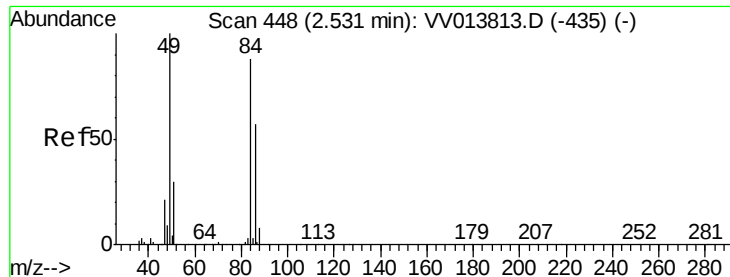
Tgt Ion: 76 Resp: 2410

Ion Ratio Lower Upper

76 100

78 12.7 7.5 11.3#

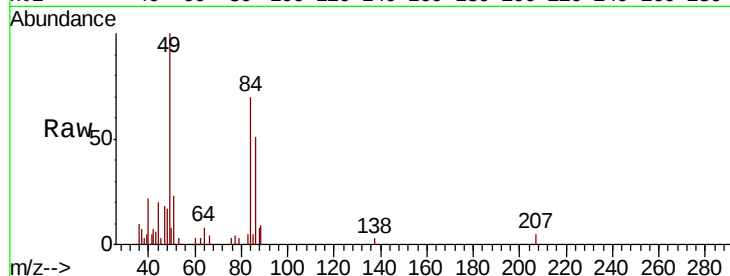




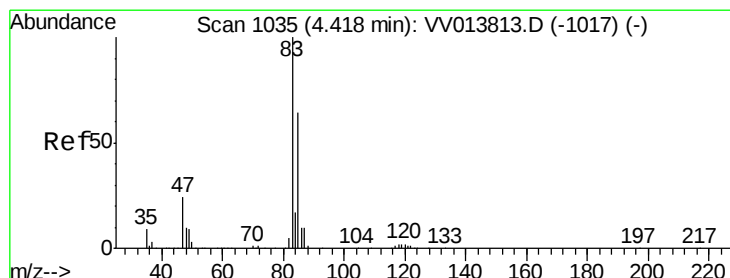
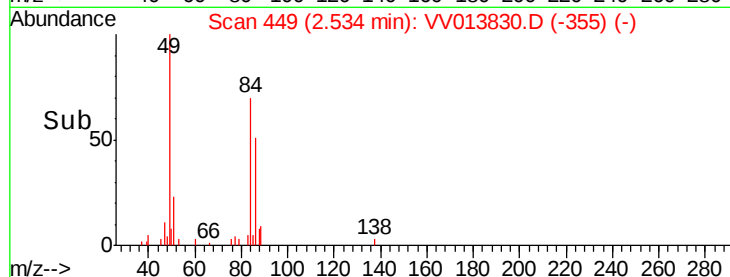
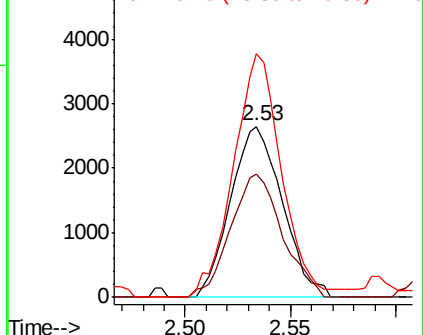
#16
Methvlene chloride
Concen: 0.209 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013830.D
Acq: 27 Nov 2019 18:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 4519
Ion Ratio Lower Upper
84 100
86 72.2 44.0 81.6
49 142.4 81.5 151.5

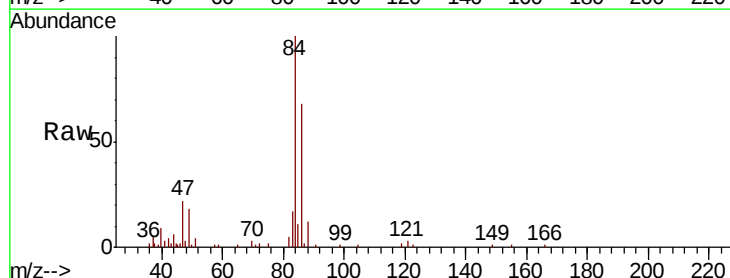


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

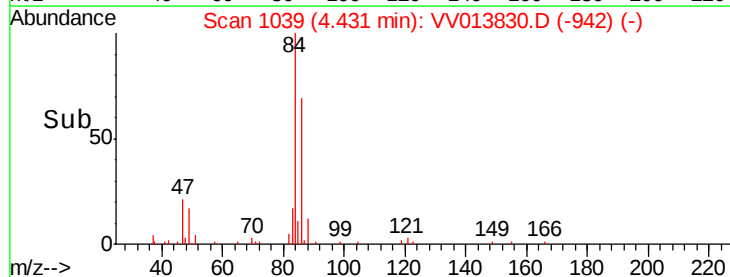
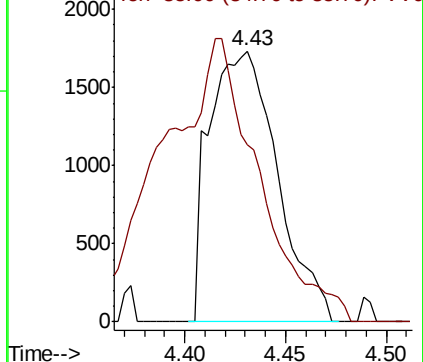


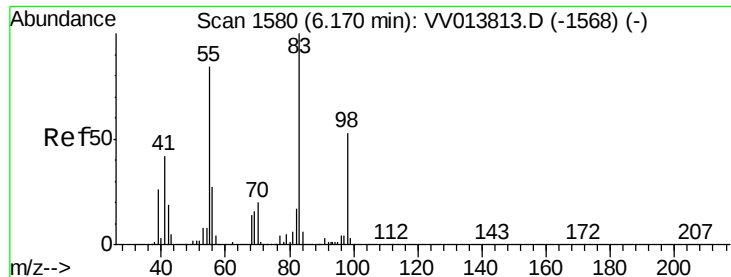
#25
Chloroform
Concen: 0.108 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV013830.D
Acq: 27 Nov 2019 18:40

Tgt Ion: 83 Resp: 4069
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

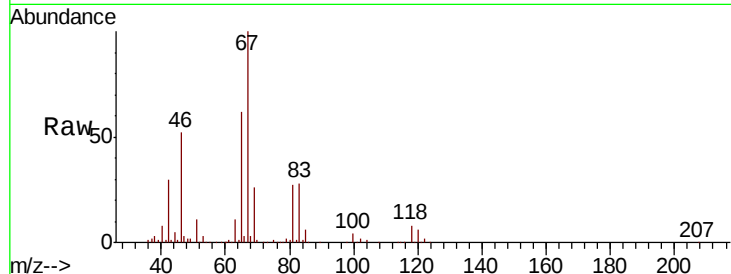




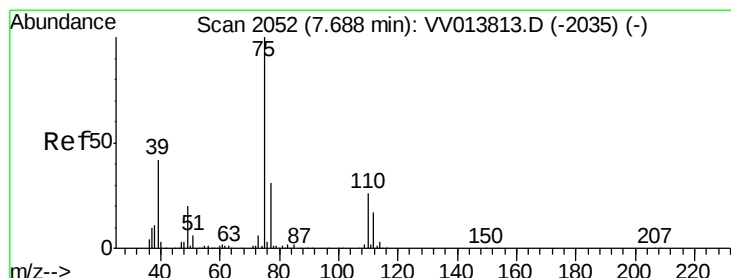
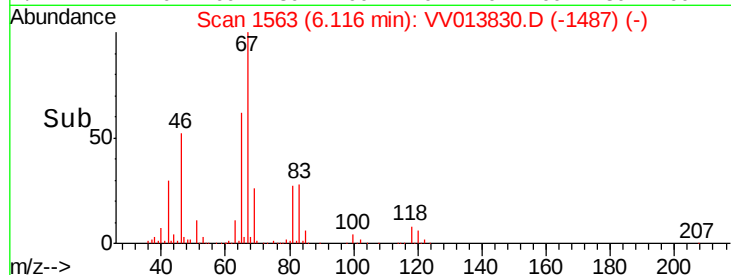
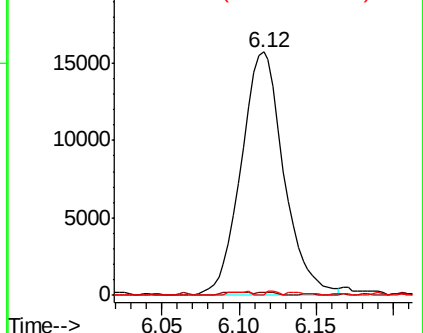
#35
Methvlcvclohexane
Concen: 1.011 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013830.D
Acq: 27 Nov 2019 18:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 30270
Ion Ratio Lower Upper
83 100
55 0.6 60.3 90.5#
98 0.5 38.1 57.1#

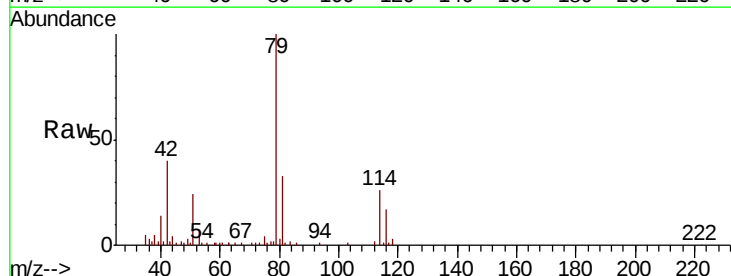


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

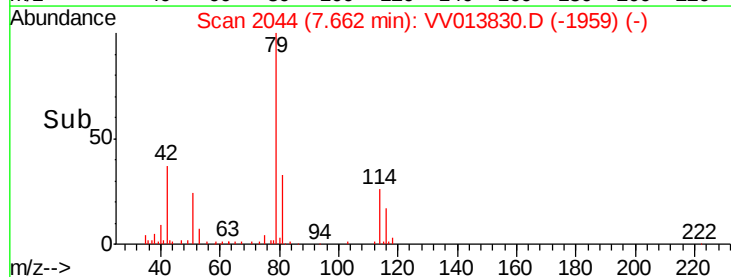
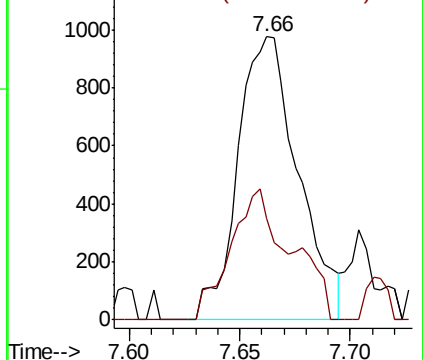


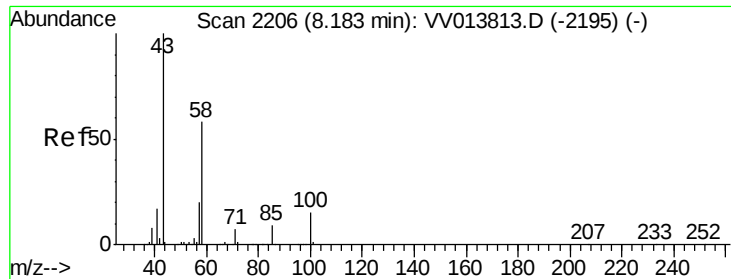
#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV013830.D
Acq: 27 Nov 2019 18:40

Tgt Ion: 75 Resp: 1855
Ion Ratio Lower Upper
75 100
77 36.0 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#48
 2-Hexanone
 Concen: 2.404 ug/L
 RT: 8.14 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VV013830.D
 Acq: 27 Nov 2019 18:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	43.2	64.8#
57	38.0	15.4	23.2#
100	4.4	10.4	15.6#

