

Data File : VV011294.D
Acq On : 07 Jun 2019 18:06
Operator : SY/MD
Sample : K3197-14RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P58

Quant Time: Jun 08 00:44:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 08 00:40:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	85458	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	80166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	34904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24579	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.54	69	22421	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.11	63	41849	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.94	46	118436	81.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	162.48%#
24) Chloroform-d	4.40	84	49946	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	34349	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.09	84	102571	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.11	67	33178	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.36	98	89626	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	7.66	79	10829	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.14	63	102174	85.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	171.76%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35746	7.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	142.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	34882	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

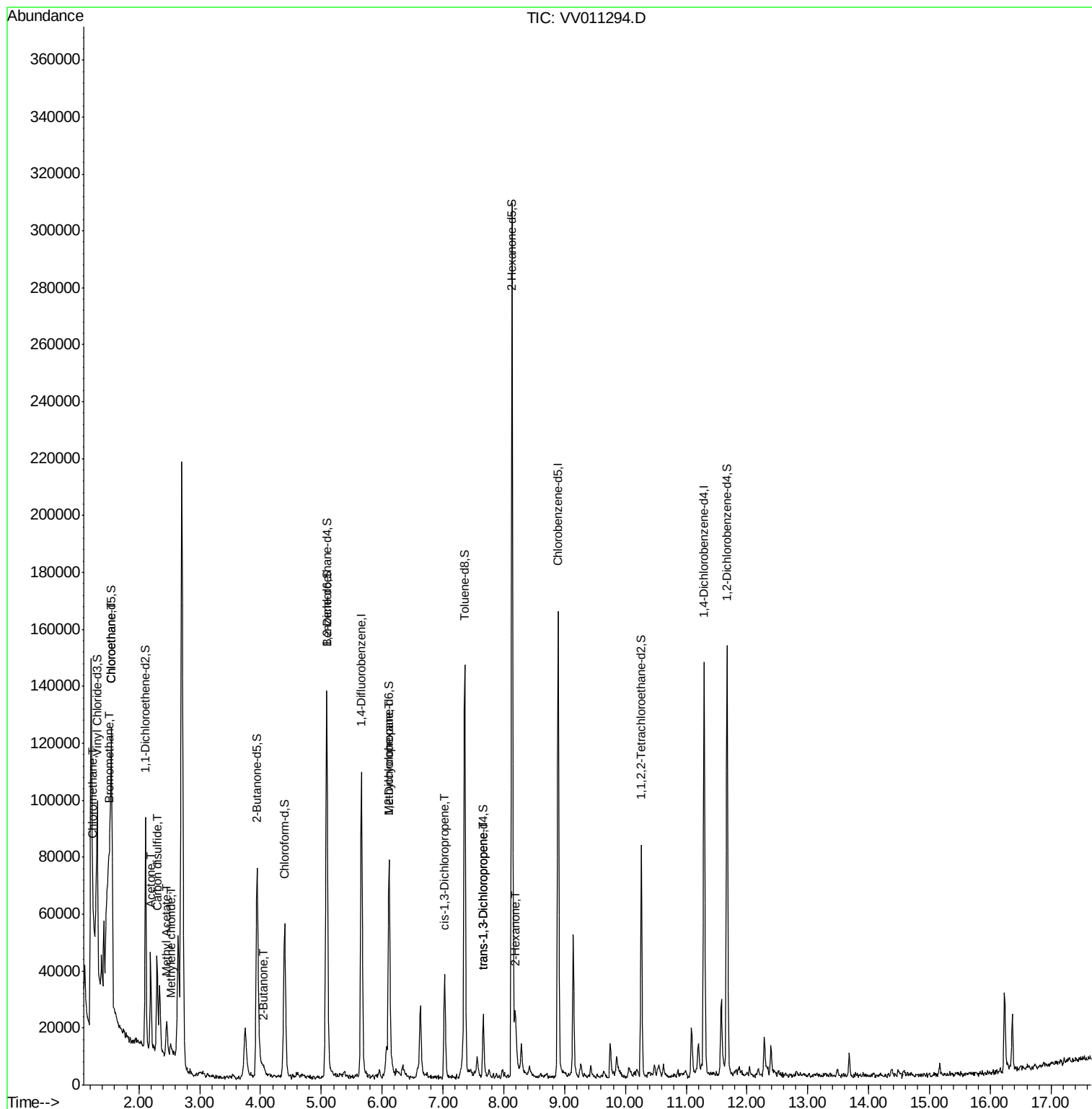
					Qvalue
3) Chloromethane	1.25	50	3427	0.421 ug/L	86
6) Bromomethane	1.51	94	2121	0.519 ug/L	97
8) Chloroethane	1.54	64	3819	0.760 ug/L #	61
13) Acetone	2.20	43	19148	19.590 ug/L	99
14) Carbon disulfide	2.30	76	38622	2.365 ug/L	98
15) Methyl Acetate	2.46	43	12100	4.661 ug/L	98
16) Methylene chloride	2.52	84	932	0.168 ug/L	86
21) 2-Butanone	4.05	43	2568	1.706 ug/L	77
35) Methylcyclohexane	6.11	83	8167	0.749 ug/L #	15
39) cis-1,3-Dichloropropene	7.04	75	1096	0.118 ug/L #	65
44) trans-1,3-Dichloropropene	7.66	75	680	0.096 ug/L #	56
48) 2-Hexanone	8.19	43	10763	3.817 ug/L #	83

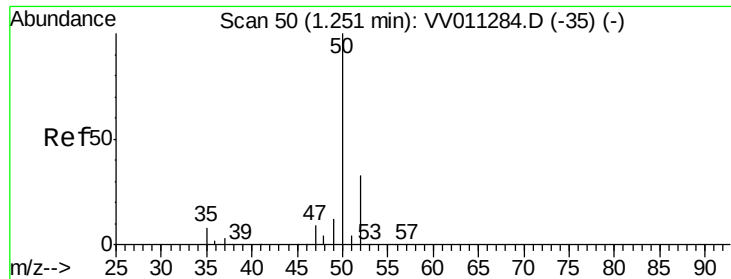
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.421 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011294.D

Acq: 07 Jun 2019 18:06

Instrument :

MSVOA_V

ClientSampleId :

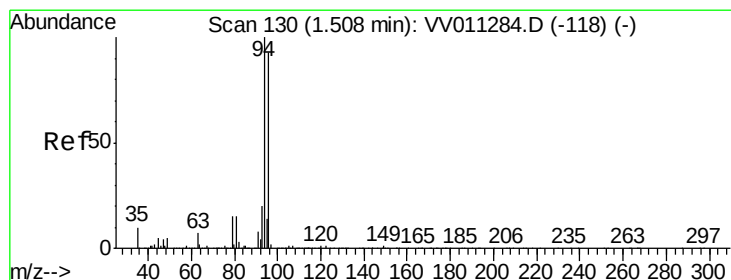
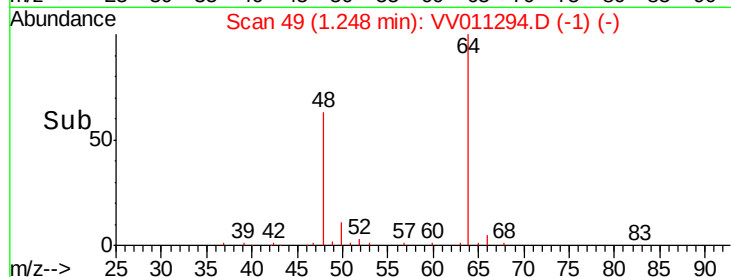
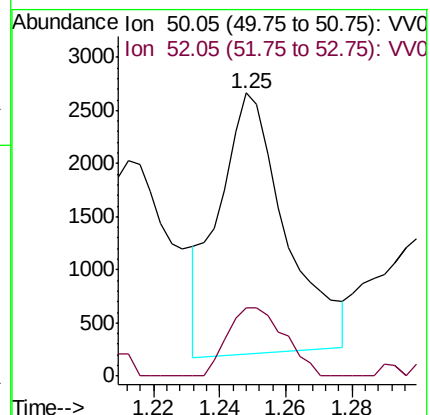
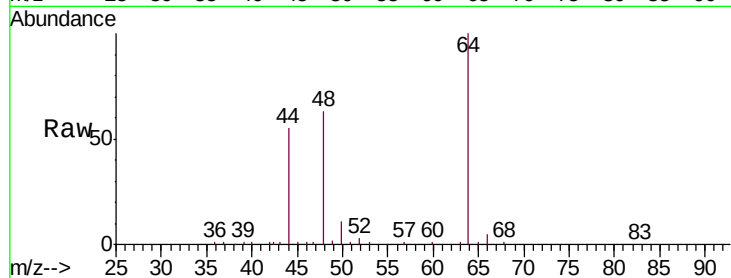
F9P58

Tgt Ion: 50 Resp: 3427

Ion Ratio Lower Upper

50 100

52 24.0 22.3 41.5



#6

Bromomethane

Concen: 0.519 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.00 min

Lab File: VV011294.D

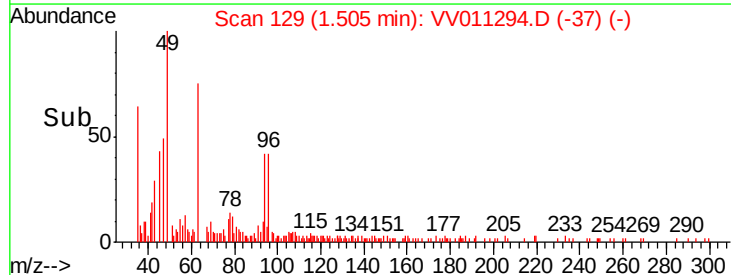
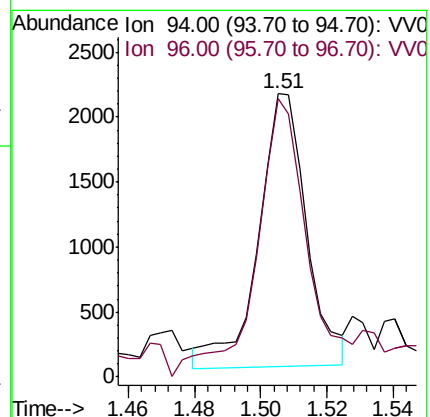
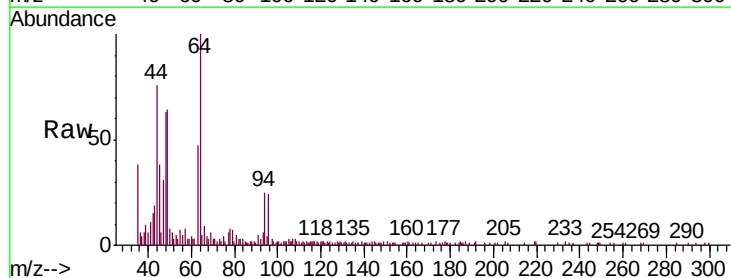
Acq: 07 Jun 2019 18:06

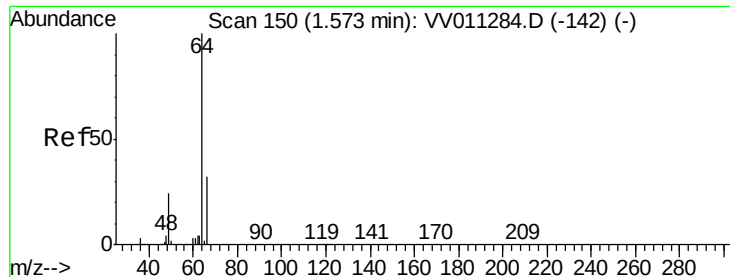
Tgt Ion: 94 Resp: 2121

Ion Ratio Lower Upper

94 100

96 98.4 67.0 124.4





#8

Chloroethane

Concen: 0.760 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.03 min

Lab File: VV011294.D

Acq: 07 Jun 2019 18:06

Instrument :

MSVOA_V

ClientSampleId :

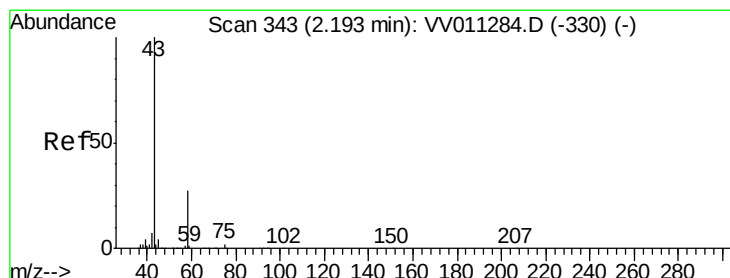
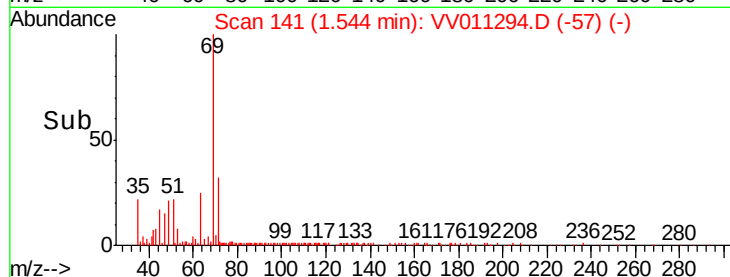
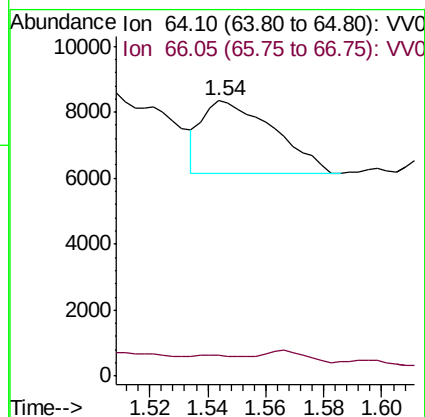
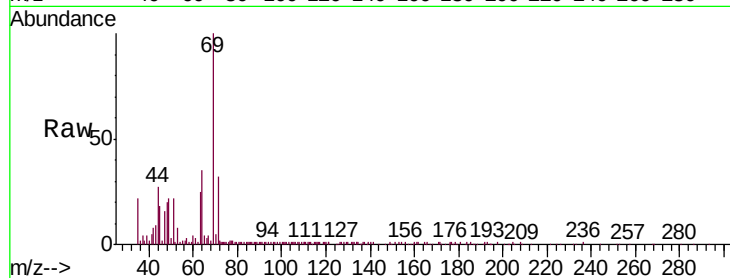
F9P58

Tgt Ion: 64 Resp: 3819

Ion Ratio Lower Upper

64 100

66 7.4 19.4 36.0#



#13

Acetone

Concen: 19.590 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV011294.D

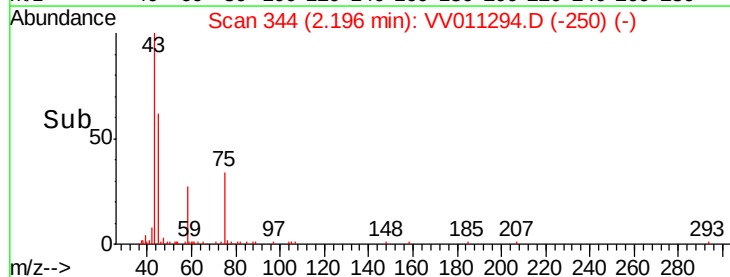
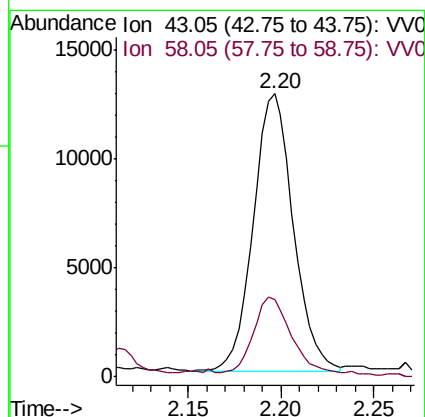
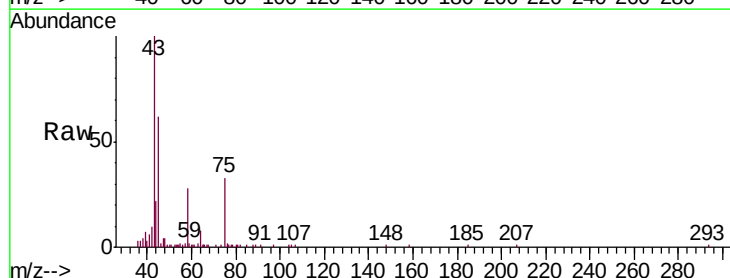
Acq: 07 Jun 2019 18:06

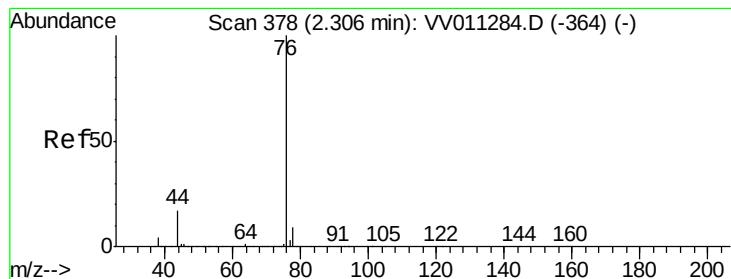
Tgt Ion: 43 Resp: 19148

Ion Ratio Lower Upper

43 100

58 27.2 0.0 55.2





#14

Carbon disulfide

Concen: 2.365 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.01 min

Lab File: VV011294.D

Acq: 07 Jun 2019 18:06

Instrument :

MSVOA_V

ClientSampleId :

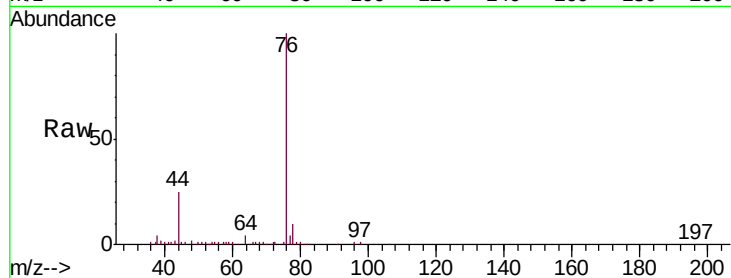
F9P58

Tgt Ion: 76 Resp: 38622

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.30

25000

20000

15000

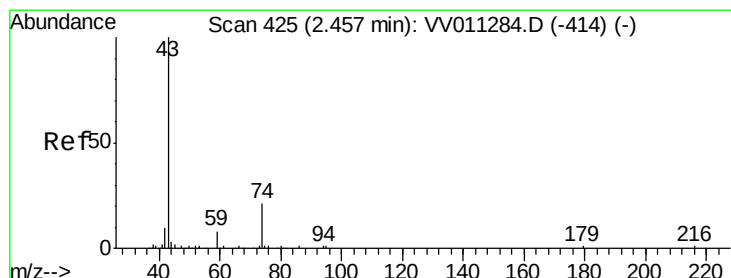
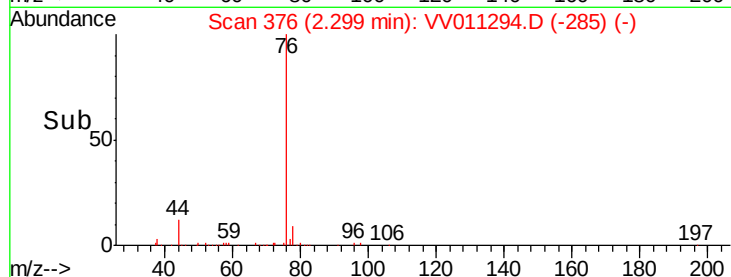
10000

5000

0

Time-->

2.25 2.30 2.35



#15

Methyl Acetate

Concen: 4.661 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV011294.D

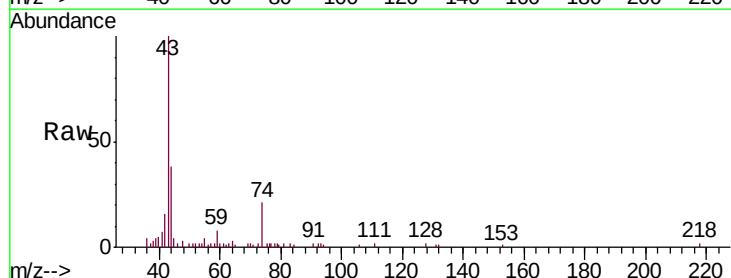
Acq: 07 Jun 2019 18:06

Tgt Ion: 43 Resp: 12100

Ion Ratio Lower Upper

43 100

74 23.9 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

8000

6000

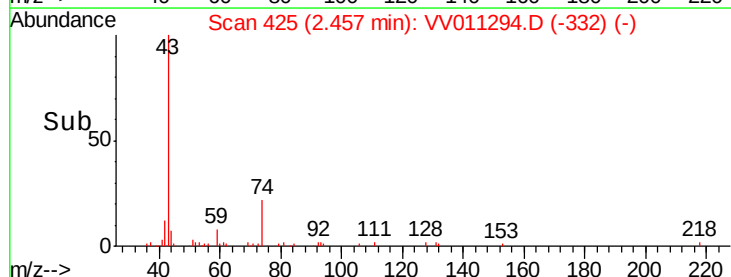
4000

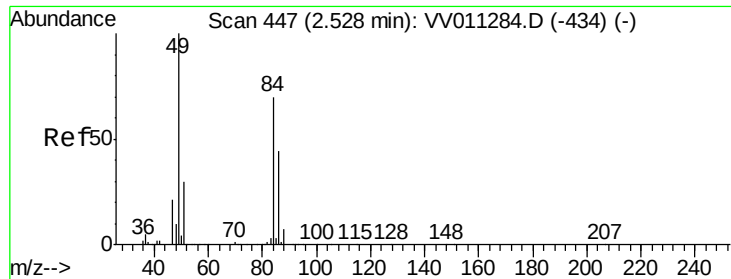
2000

0

Time-->

2.40 2.45 2.50

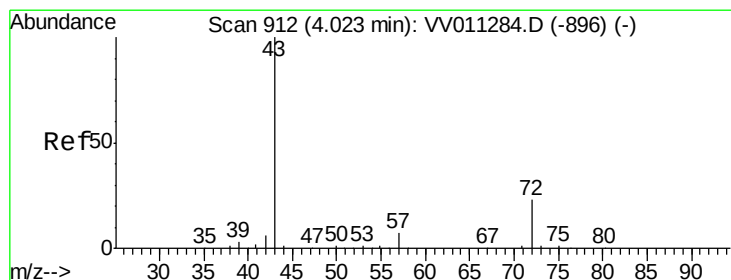
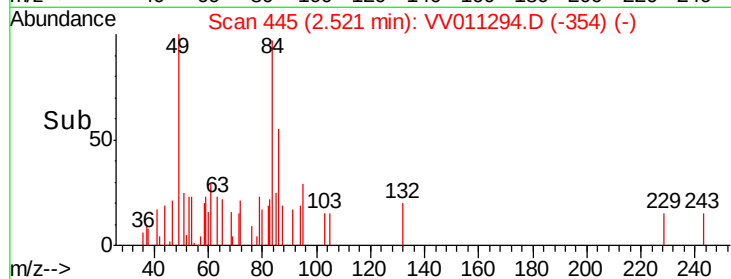
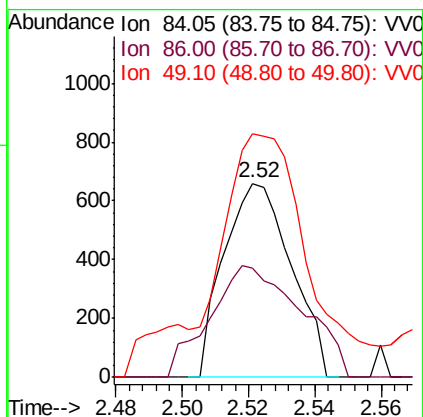
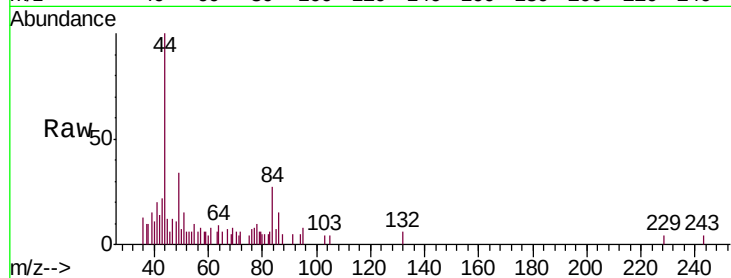




#16
Methylene chloride
Concen: 0.168 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.01 min
Lab File: VV011294.D
Acq: 07 Jun 2019 18:06

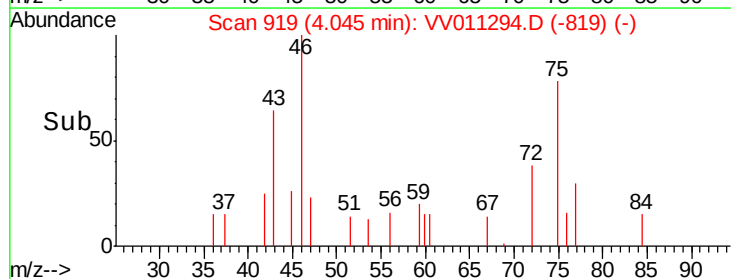
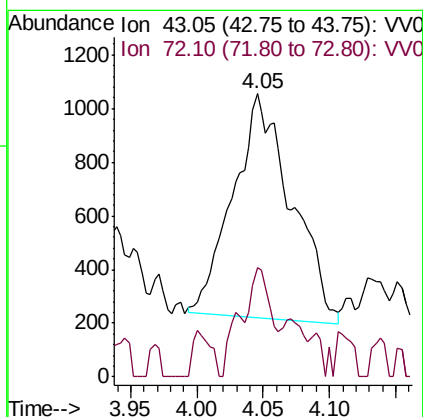
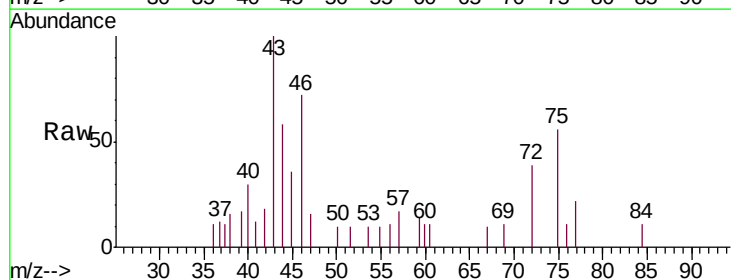
Instrument :
MSVOA_V
ClientSampled :
F9P58

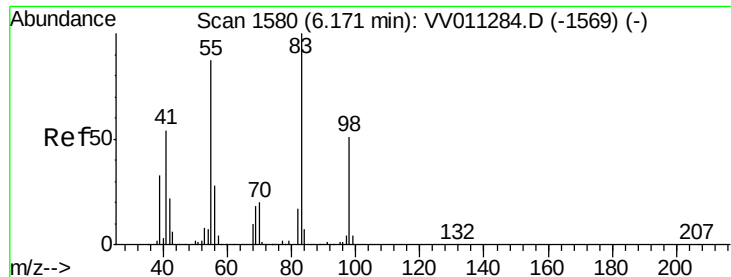
Tgt Ion: 84 Resp: 932
Ion Ratio Lower Upper
84 100
86 56.2 44.9 83.3
49 125.5 102.1 189.5



#21
2-Butanone
Concen: 1.706 ug/L
RT: 4.05 min Scan# 919
Delta R.T. 0.02 min
Lab File: VV011294.D
Acq: 07 Jun 2019 18:06

Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
72 13.9 12.7 38.1

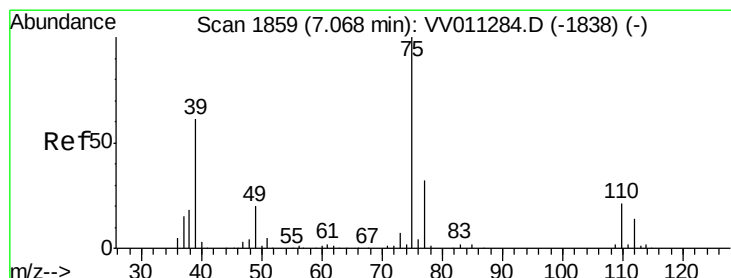
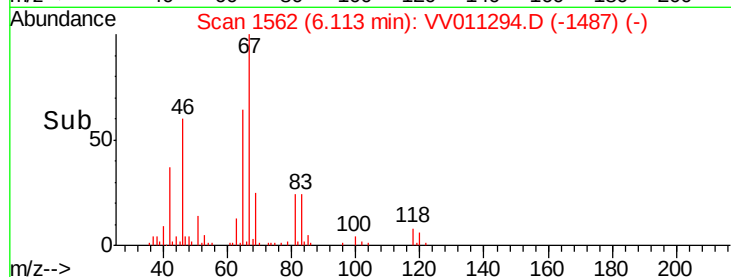
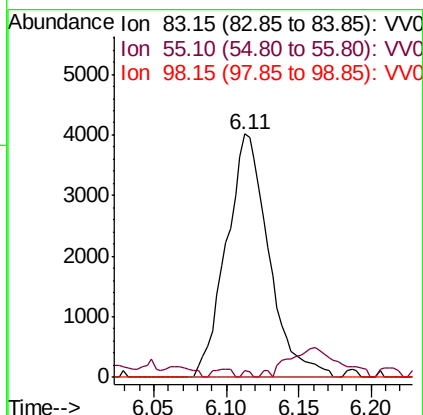
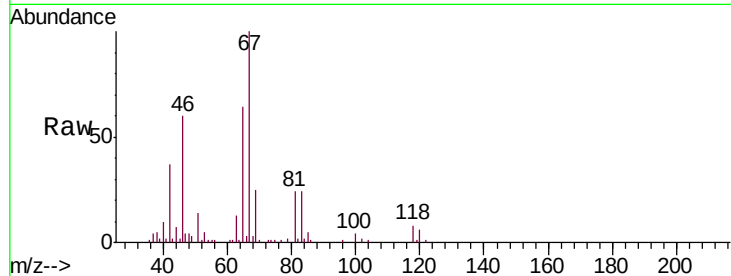




#35
Methylcyclohexane
Concen: 0.749 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV011294.D
Acq: 07 Jun 2019 18:06

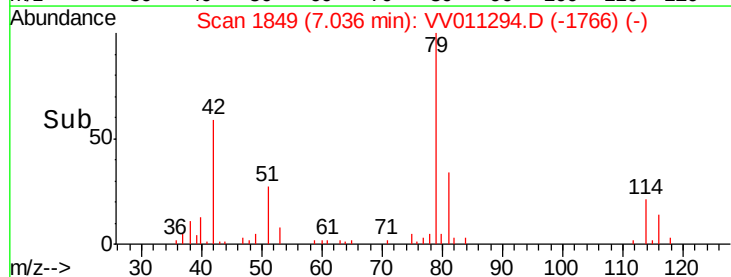
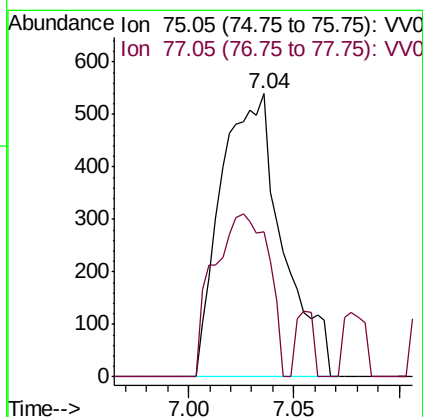
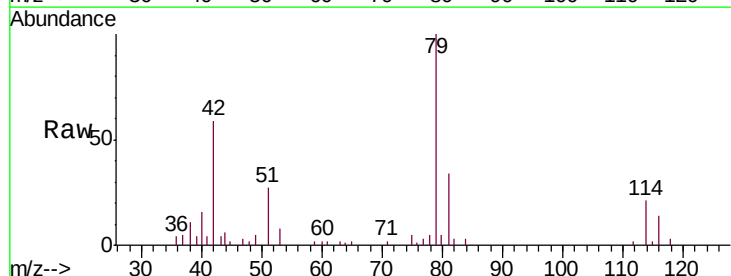
Instrument :
MSVOA_V
ClientSampled :
F9P58

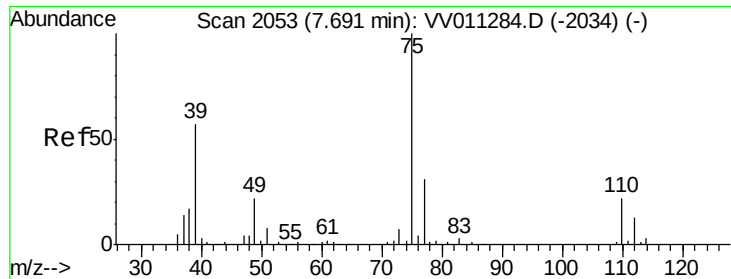
Tgt Ion: 83 Resp: 8167
Ion Ratio Lower Upper
83 100
55 0.5 67.0 100.6#
98 0.0 40.0 60.0#



#39
cis-1,3-Dichloropropene
Concen: 0.118 ug/L
RT: 7.04 min Scan# 1849
Delta R.T. -0.03 min
Lab File: VV011294.D
Acq: 07 Jun 2019 18:06

Tgt Ion: 75 Resp: 1096
Ion Ratio Lower Upper
75 100
77 51.2 22.2 41.2#





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV011294.D

Acq: 07 Jun 2019 18:06

Instrument :

MSVOA_V

ClientSampled :

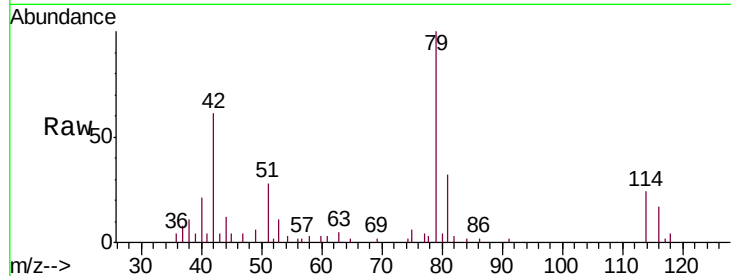
F9P58

Tgt Ion: 75 Resp: 680

Ion Ratio Lower Upper

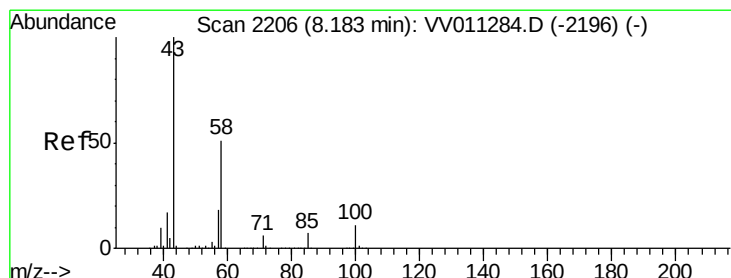
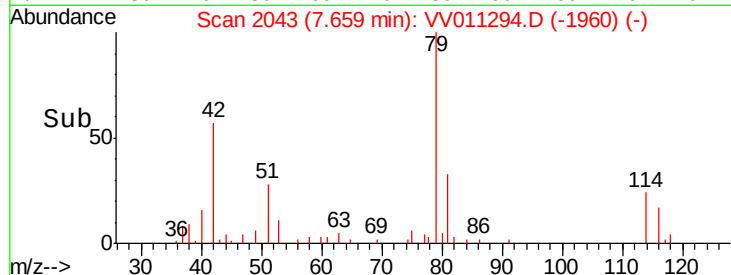
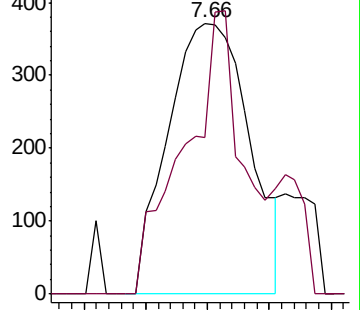
75 100

77 57.8 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 3.817 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV011294.D

Acq: 07 Jun 2019 18:06

Tgt Ion: 43 Resp: 10763

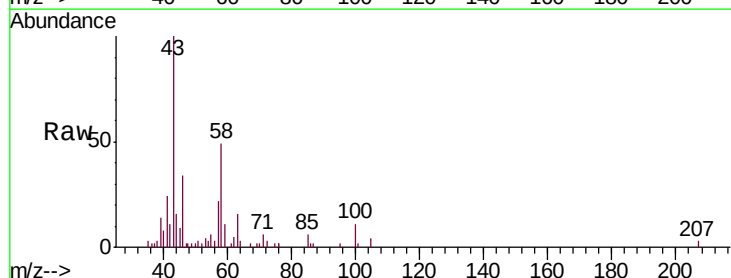
Ion Ratio Lower Upper

43 100

58 61.9 41.4 62.0

57 32.4 15.0 22.4#

100 12.9 9.0 13.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

