

Data File : VV011349.D
Acq On : 10 Jun 2019 14:42
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 11 01:36:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 01:32:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	174853	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	157398	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42799	3.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.60%
7) Chloroethane-d5	1.58	69	39677	3.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.00%
11) 1,1-Dichloroethene-d2	2.12	63	72581	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	3.98	46	116748	39.14	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.28%
24) Chloroform-d	4.39	84	91409	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	5.08	65	50247	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
32) Benzene-d6	5.09	84	179722	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
36) 1,2-Dichloropropane-d6	6.12	67	55919	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.20%
41) Toluene-d8	7.36	98	158436	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	7.66	79	16332	2.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	59.00%
46) 2-Hexanone-d5	8.14	63	95474	40.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37272	3.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	54139	4.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.80%

Target Compounds

					Qvalue
3) Chloromethane	1.24	50	3104	0.186 ug/L	97
6) Bromomethane	1.53	94	1519	0.181 ug/L	100
8) Chloroethane	1.31	64	2340	0.228 ug/L	96
13) Acetone	2.22	43	7090	3.545 ug/L	89
14) Carbon disulfide	2.31	76	27011	0.808 ug/L	96
15) Methyl Acetate	2.47	43	8470	1.595 ug/L #	89
16) Methylene chloride	2.52	84	1599	0.141 ug/L	79
35) Methylcyclohexane	6.11	83	13369	0.625 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7649	0.614 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	1491	0.082 ug/L #	68
44) trans-1,3-Dichloropropene	7.67	75	1146	0.083 ug/L	99
48) 2-Hexanone	8.20	43	8468	1.530 ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.29	75	146	0.099 ug/L #	8

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

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Misc : 25ML/MSVOA V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
F9P58

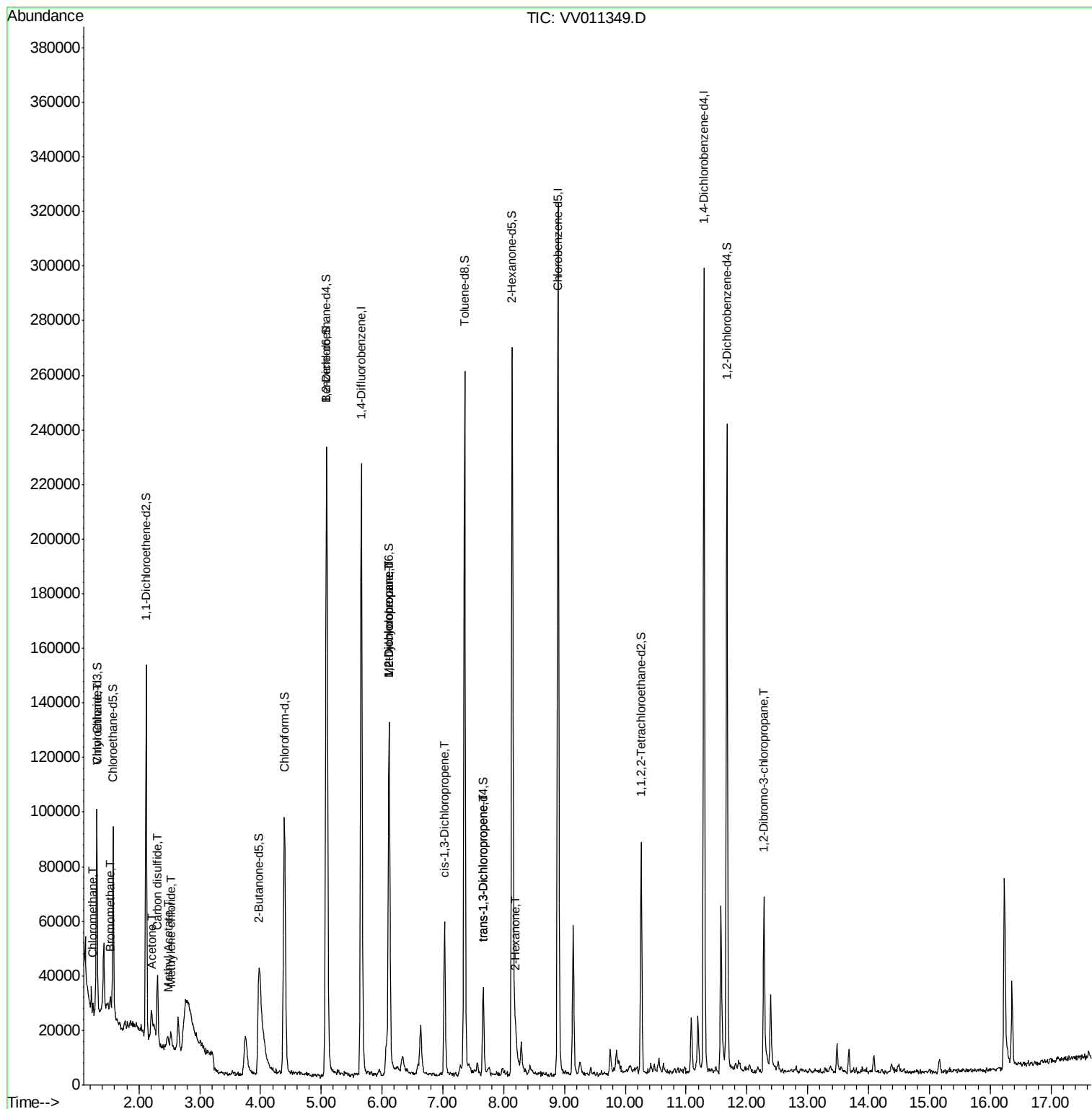
Quant Time: Jun 11 01:36:00 2019

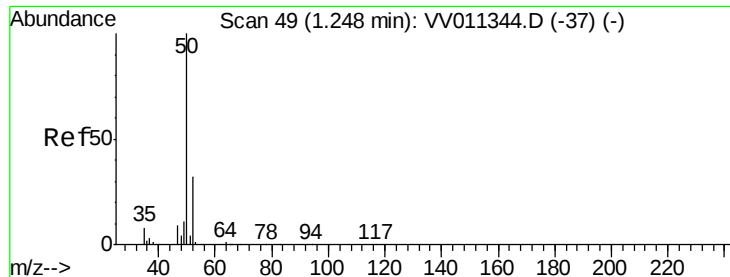
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 11 01:32:35 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.186 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011349.D

Acq: 10 Jun 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

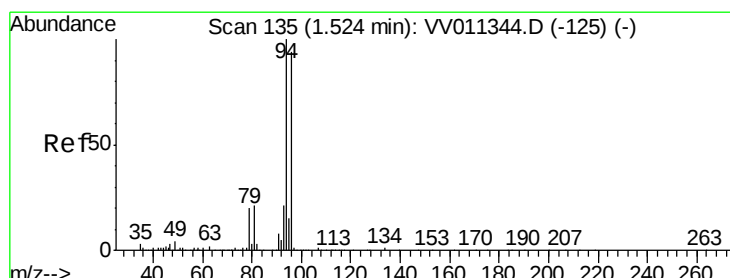
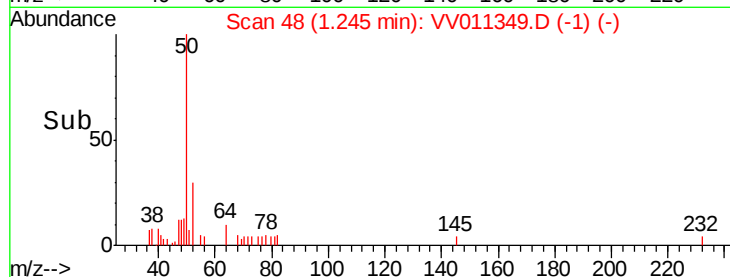
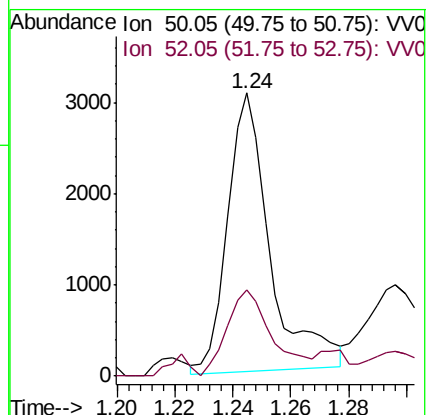
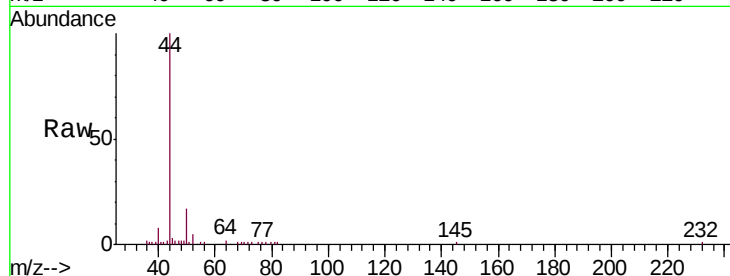
F9P58

Tgt Ion: 50 Resp: 3104

Ion Ratio Lower Upper

50 100

52 30.4 22.3 41.5



#6

Bromomethane

Concen: 0.181 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV011349.D

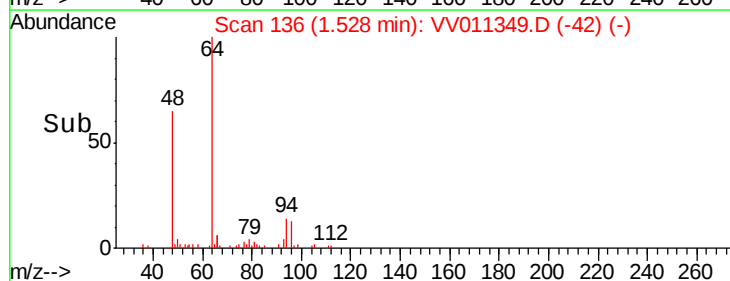
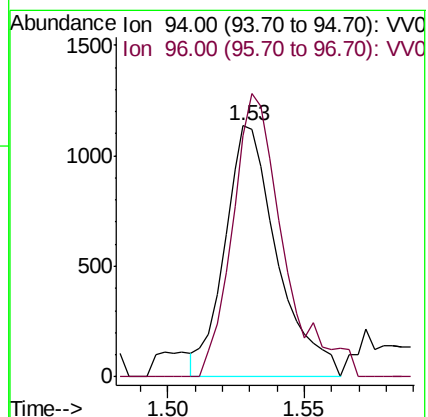
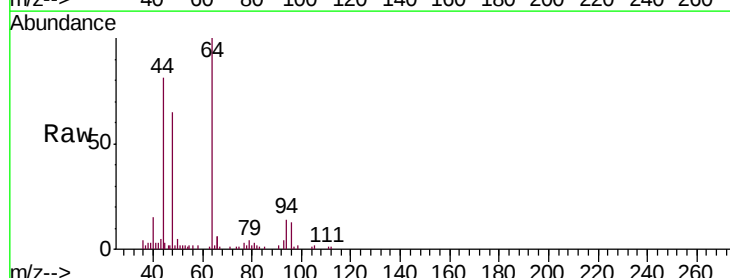
Acq: 10 Jun 2019 14:42

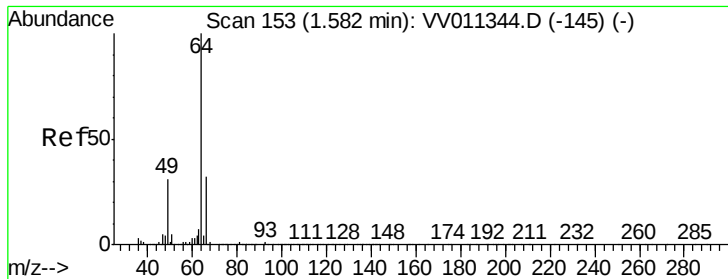
Tgt Ion: 94 Resp: 1519

Ion Ratio Lower Upper

94 100

96 95.9 67.0 124.4





#8

Chloroethane

Concen: 0.228 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.27 min

Lab File: VV011349.D

Acq: 10 Jun 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

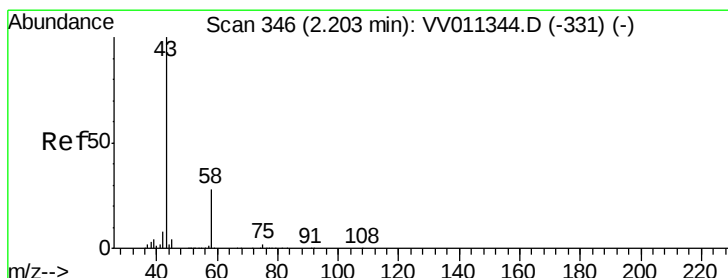
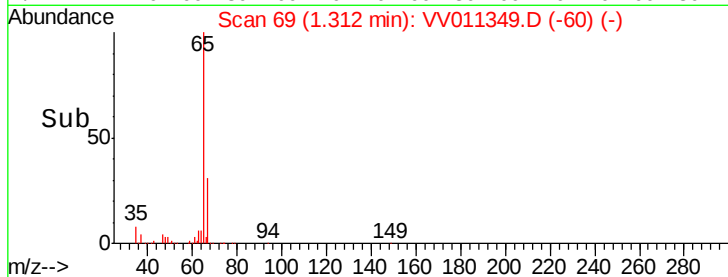
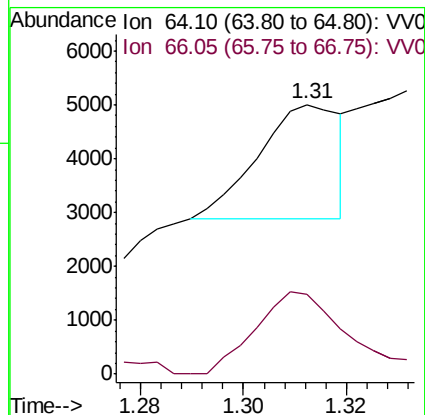
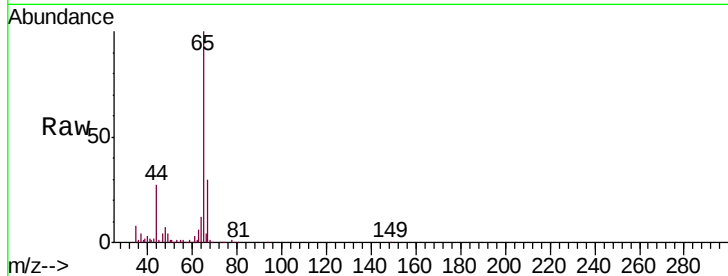
F9P58

Tgt Ion: 64 Resp: 2340

Ion Ratio Lower Upper

64 100

66 29.8 19.4 36.0



#13

Acetone

Concen: 3.545 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.02 min

Lab File: VV011349.D

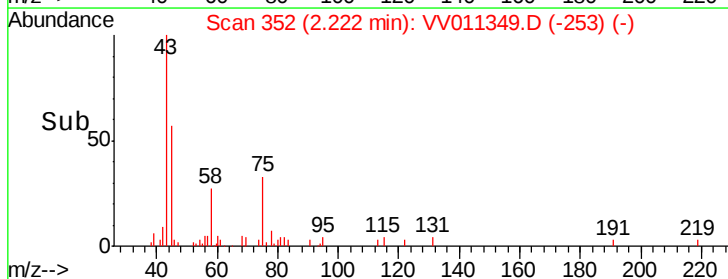
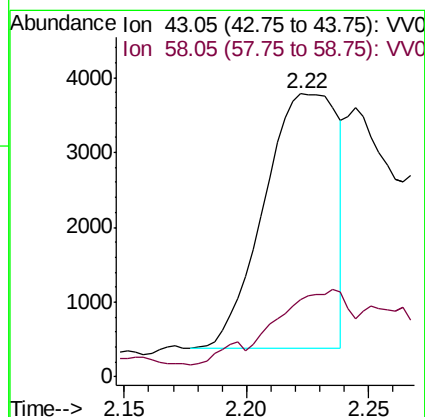
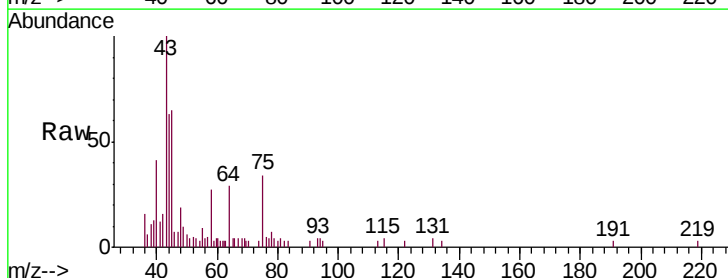
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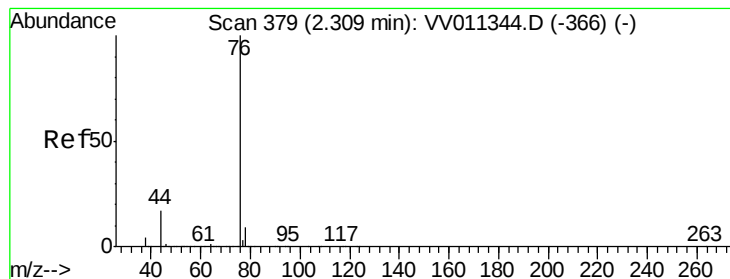
Tgt Ion: 43 Resp: 7090

Ion Ratio Lower Upper

43 100

58 21.9 0.0 55.2





#14

Carbon disulfide

Concen: 0.808 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011349.D

Acq: 10 Jun 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

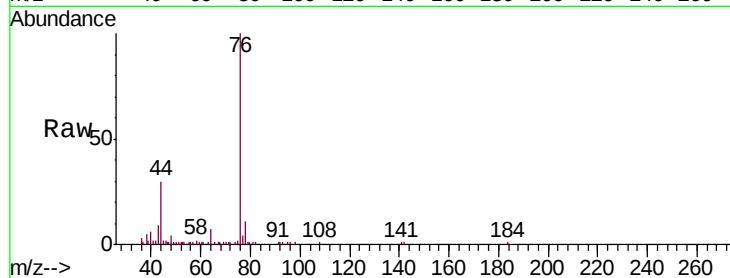
F9P58

Tgt Ion: 76 Resp: 27011

Ion Ratio Lower Upper

76 100

78 10.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011344.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV011344.D (-366) (-)

2.31

20000

15000

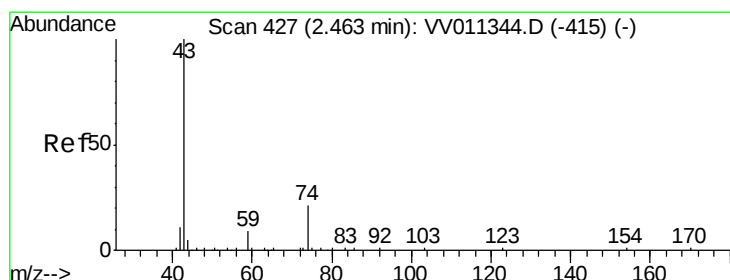
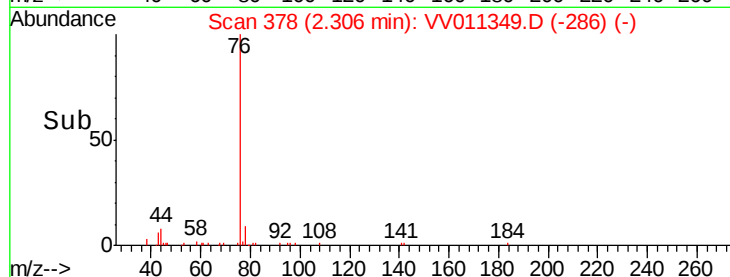
10000

5000

0

2.25 2.30 2.35 2.40

Time-->



#15

Methyl Acetate

Concen: 1.595 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VV011349.D

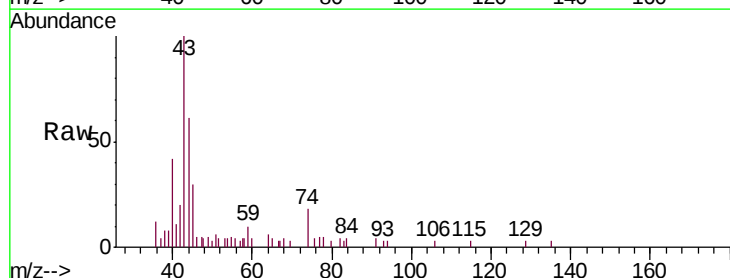
Acq: 10 Jun 2019 14:42

Tgt Ion: 43 Resp: 8470

Ion Ratio Lower Upper

43 100

74 17.7 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV011344.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VV011344.D (-415) (-)

2.47

4000

3000

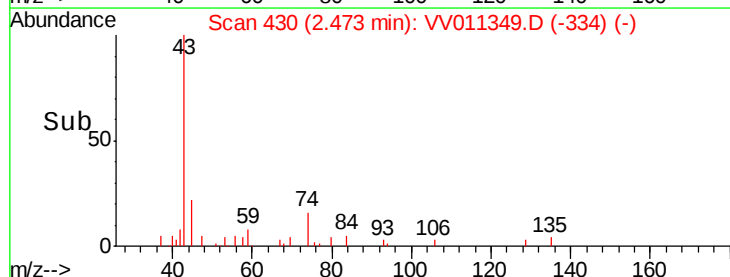
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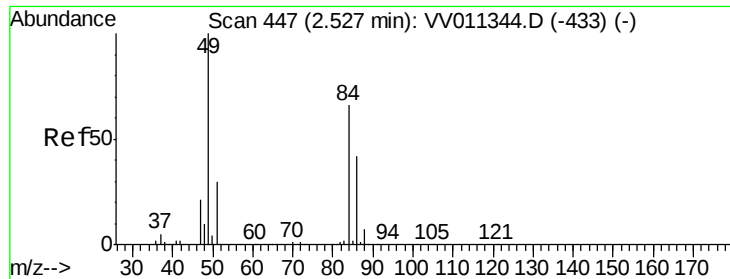
1000

0

2.40 2.45 2.50 2.55

Time-->

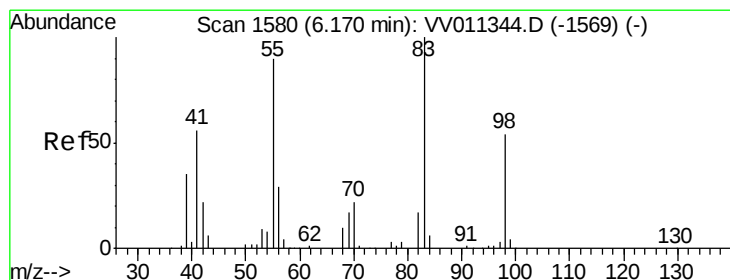
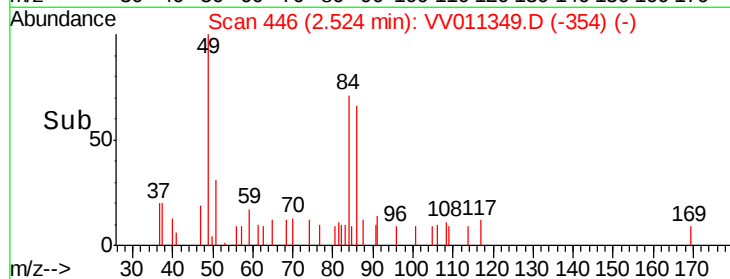
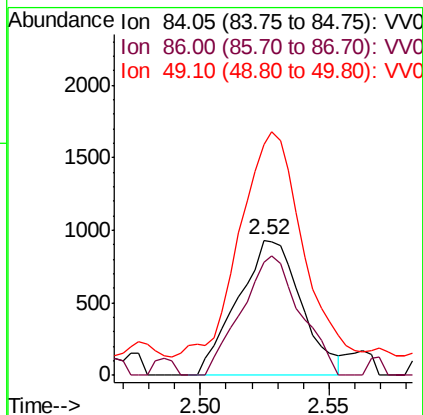
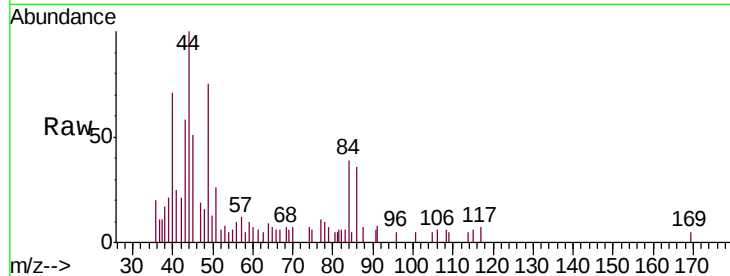




#16
Methylene chloride
Concen: 0.141 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV011349.D
Acq: 10 Jun 2019 14:42

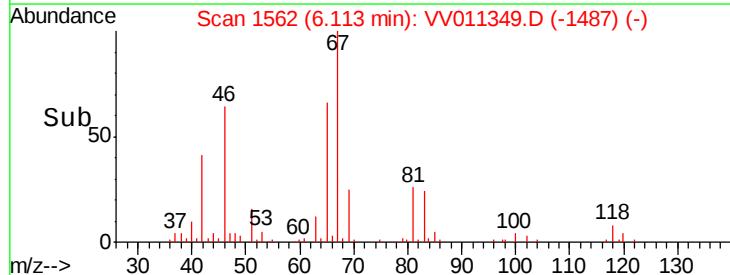
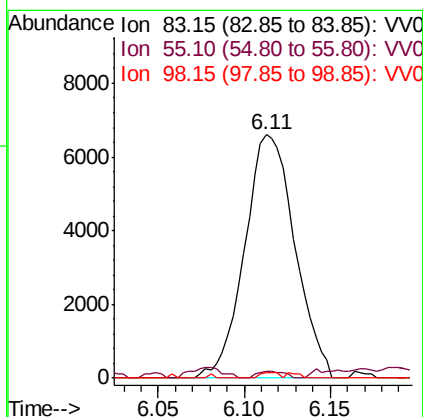
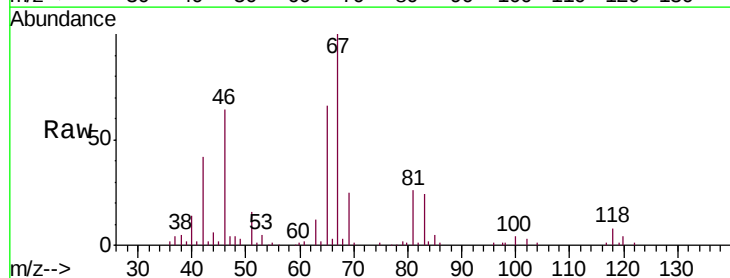
Instrument :
MSVOA_V
ClientSampleId :
F9P58

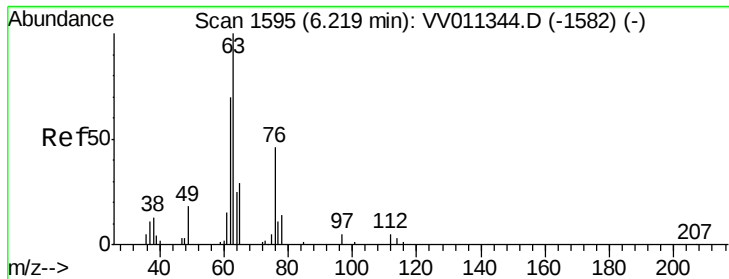
Tgt Ion: 84 Resp: 1599
Ion Ratio Lower Upper
84 100
86 83.2 44.9 83.3
49 170.1 102.1 189.5



#35
Methylcyclohexane
Concen: 0.625 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV011349.D
Acq: 10 Jun 2019 14:42

Tgt Ion: 83 Resp: 13369
Ion Ratio Lower Upper
83 100
55 1.5 67.0 100.6#
98 0.8 40.0 60.0#





#37

1,2-Dichloropropane

Concen: 0.614 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011349.D

Acq: 10 Jun 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

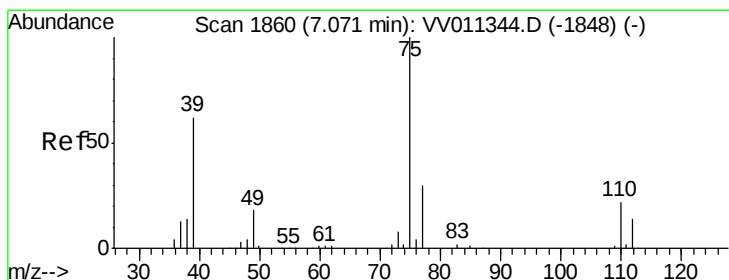
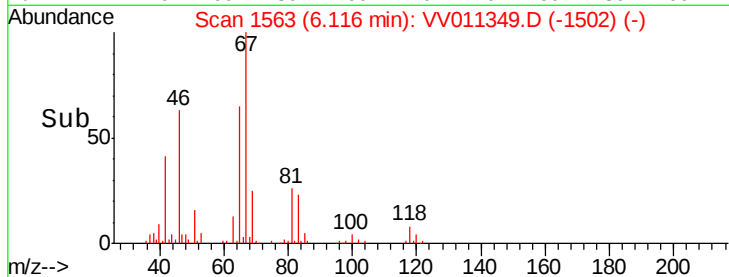
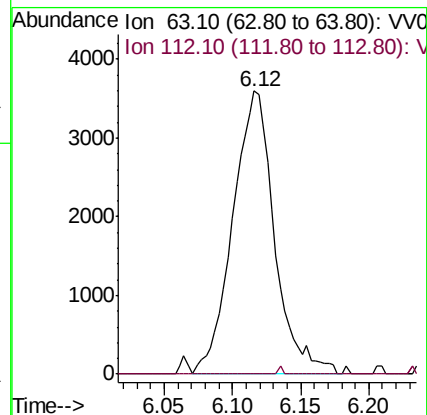
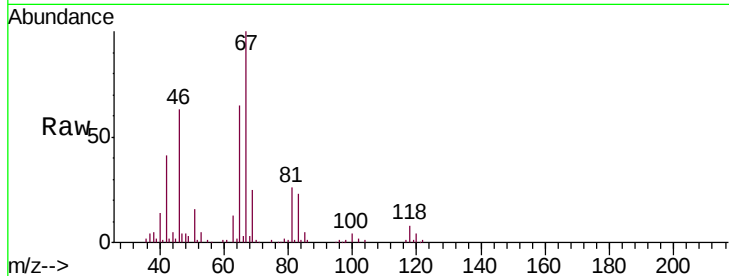
F9P58

Tgt Ion: 63 Resp: 7649

Ion Ratio Lower Upper

63 100

112 0.2 3.6 5.4#



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV011349.D

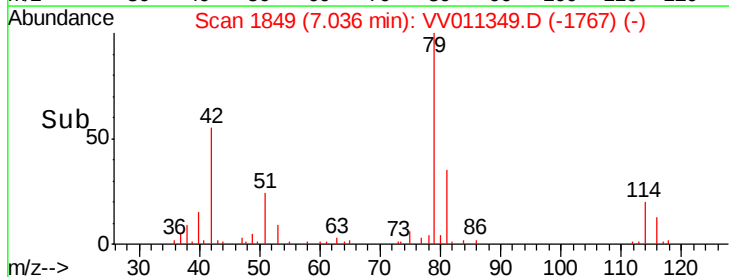
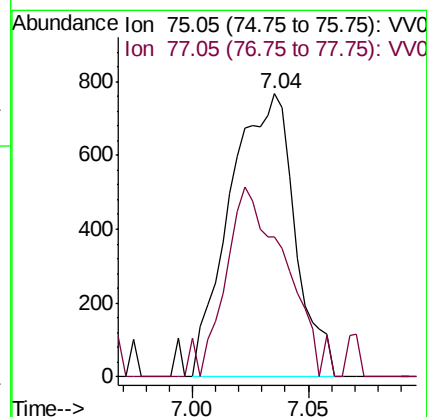
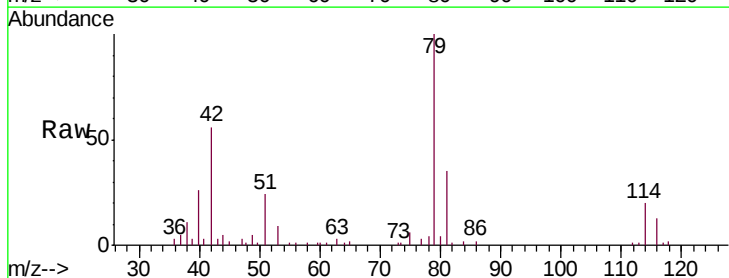
Acq: 10 Jun 2019 14:42

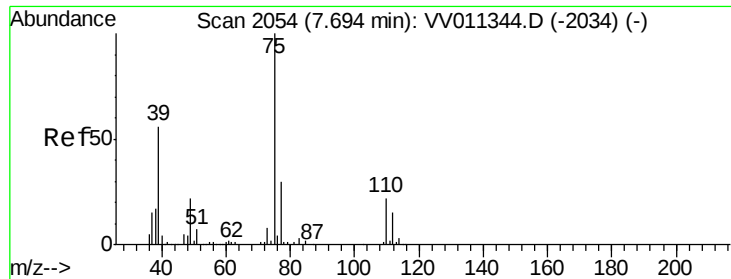
Tgt Ion: 75 Resp: 1491

Ion Ratio Lower Upper

75 100

77 49.7 22.2 41.2#

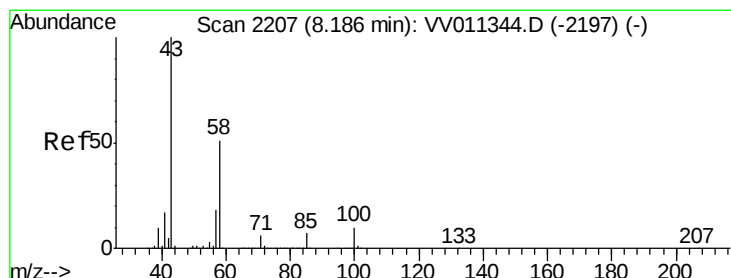
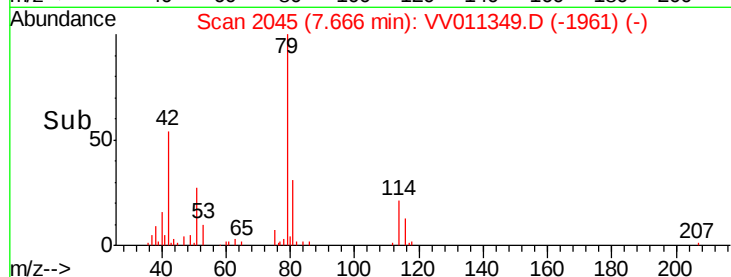
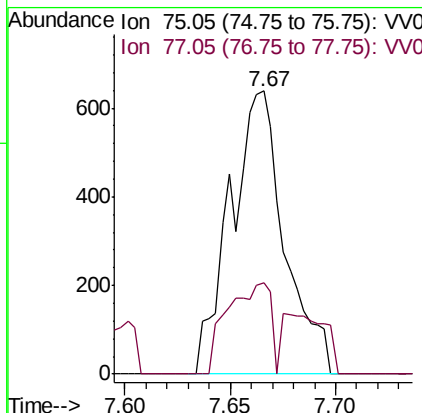
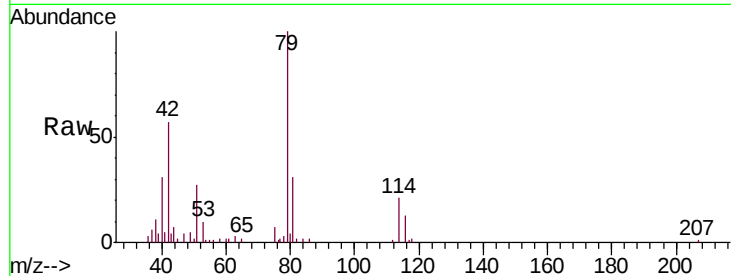




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV011349.D
Acq: 10 Jun 2019 14:42

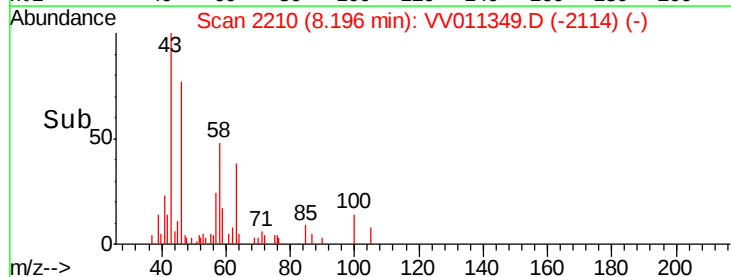
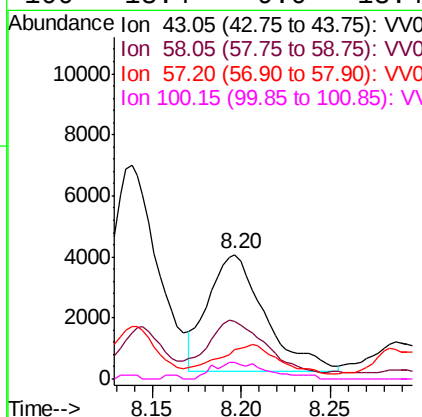
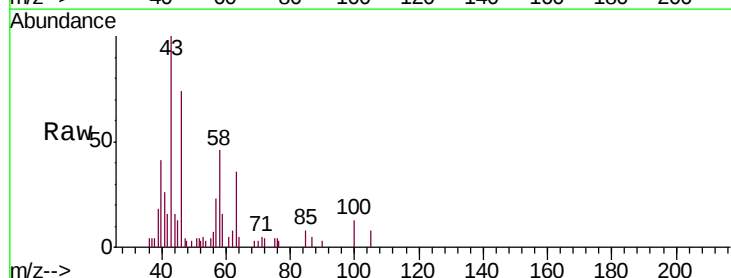
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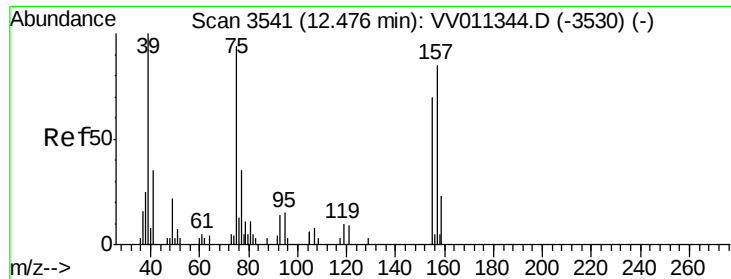
Tgt Ion: 75 Resp: 1146
Ion Ratio Lower Upper
75 100
77 32.3 23.1 42.9



#48
2-Hexanone
Concen: 1.530 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV011349.D
Acq: 10 Jun 2019 14:42

Tgt Ion: 43 Resp: 8468
Ion Ratio Lower Upper
43 100
58 47.2 41.4 62.0
57 35.8 15.0 22.4#
100 13.4 9.0 13.4





#66

1,2-Dibromo-3-chloropropane

Concen: 0.099 ug/L

RT: 12.29 min Scan# 3483

Delta R.T. -0.19 min

Lab File: VV011349.D

Acq: 10 Jun 2019 14:42

Instrument :

MSVOA_V

ClientSampleId :

F9P58

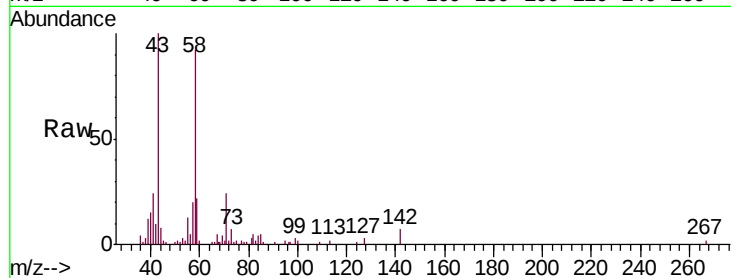
Tgt Ion: 75 Resp: 146

Ion Ratio Lower Upper

75 100

155 0.0 64.4 96.6#

157 0.0 66.7 100.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

250

200

150

100

50

0

12.28 12.29 12.30

Time-->

