

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007533.D
 Acq On : 14 Sep 2018 02:00
 Operator : SY/MD
 Sample : J4888-04
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 05:13:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	123226	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109901	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57390	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25784	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.59	69	23796	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.14	63	44308	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	3.97	46	61650	68.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.34%#
24) Chloroform-d	4.41	84	57266	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.09	65	28822	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.10	84	111742	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.12	67	33290	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.36	98	110409	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.67	79	13372	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	8.15	63	30976	56.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23697	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	45159	4.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	843	0.130 ug/L #	11
12) 1,1-Dichloroethene	2.14	96	1173	0.188 ug/L #	1
13) Acetone	2.22	43	3604	6.146 ug/L	86
16) Methylene chloride	2.54	84	2492	0.369 ug/L	90
21) 2-Butanone	4.06	43	1425	1.449 ug/L #	69
22) cis-1,2-Dichloroethene	3.97	96	7826	1.167 ug/L	91
25) Chloroform	4.44	83	8900	0.785 ug/L	99
29) 1,1,1-Trichloroethane	4.67	97	4267	0.399 ug/L	98
34) Trichloroethene	5.96	95	48998	7.040 ug/L	97
35) Methylcyclohexane	6.13	83	8681	0.808 ug/L #	24
37) 1,2-Dichloropropane	6.13	63	3799	0.679 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1270	0.143 ug/L #	50
48) 2-Hexanone	8.19	43	3998	1.706 ug/L #	36
53) m,p-xylene	9.18	106	1826	0.160 ug/L	87
69) Naphthalene	13.57	128	896	0.091 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration

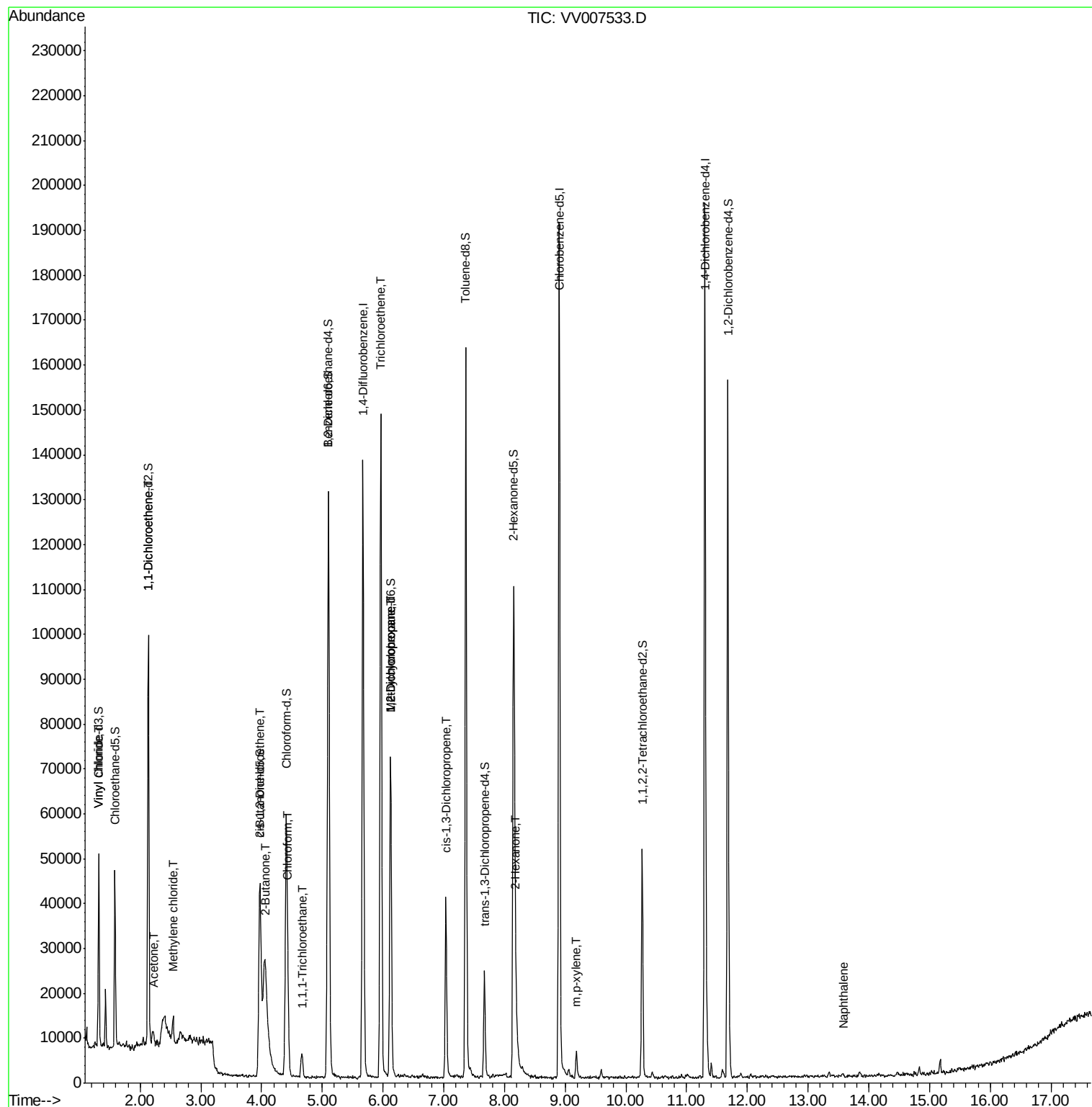
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

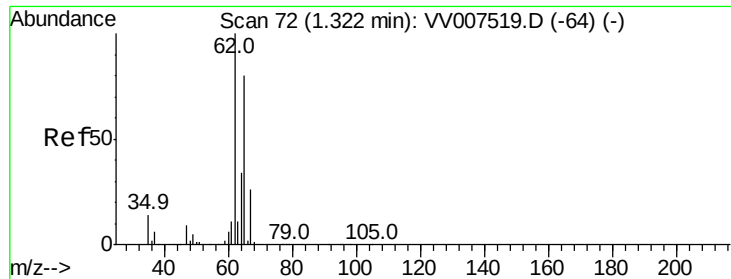
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Fri Sep 14 05:10:24 2018
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#5

Vinyl chloride

Concen: 0.130 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

Instrument :

MSVOA_V

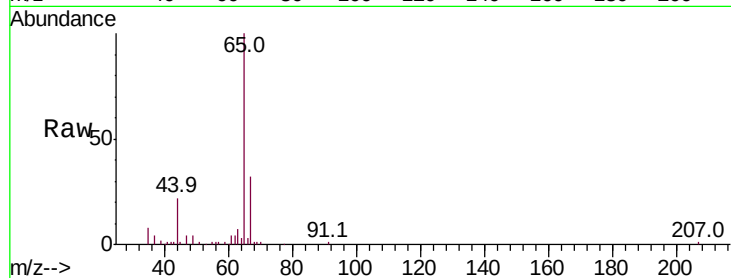
ClientSampleId :

Tot Ion: 62 Resp: 843

Ion Ratio Lower Upper

62 100

64 86.6 24.4 45.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

800

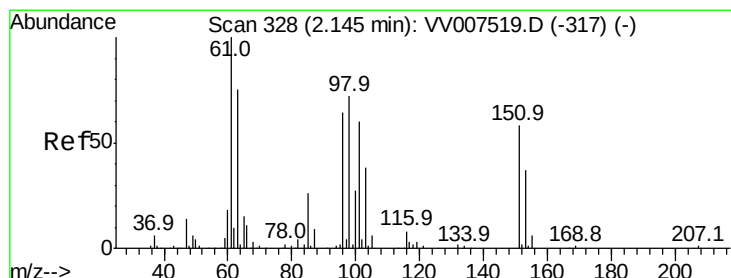
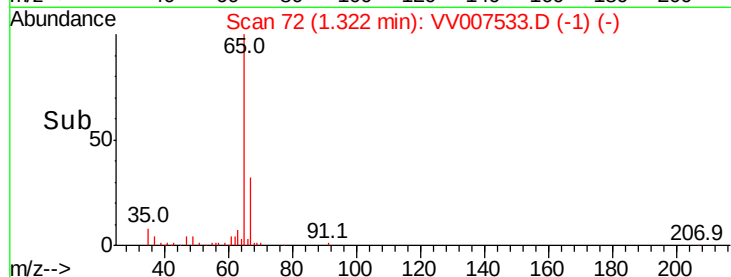
600

400

200

0

Time--> 1.30 1.32 1.34



#12

1,1-Dichloroethene

Concen: 0.188 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

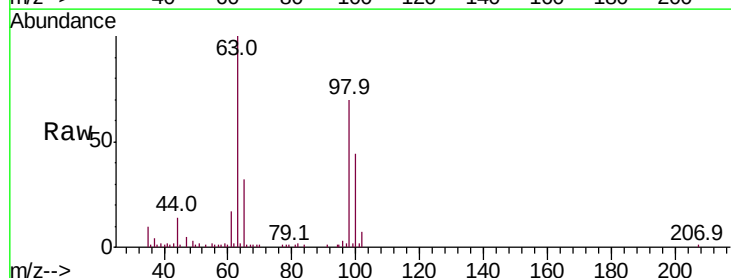
Tgt Ion: 96 Resp: 1173

Ion Ratio Lower Upper

96 100

61 535.4 114.8 213.2#

63 3234.1 81.8 151.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

40000

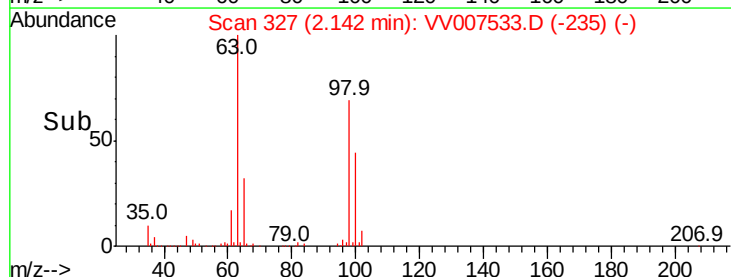
30000

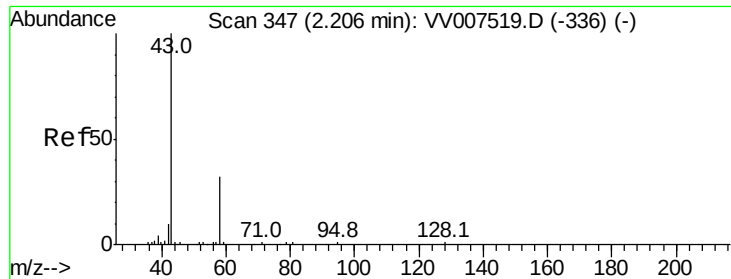
20000

10000

0

Time--> 2.10 2.12 2.14 2.16





#13

Acetone

Concen: 6.146 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

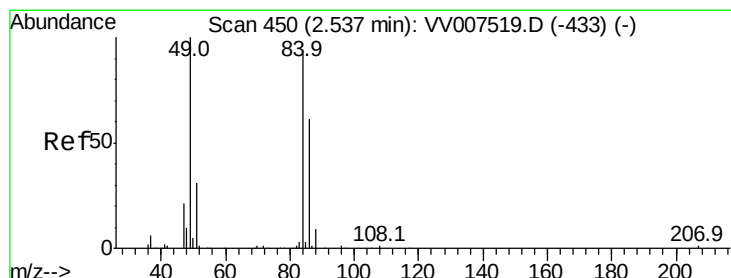
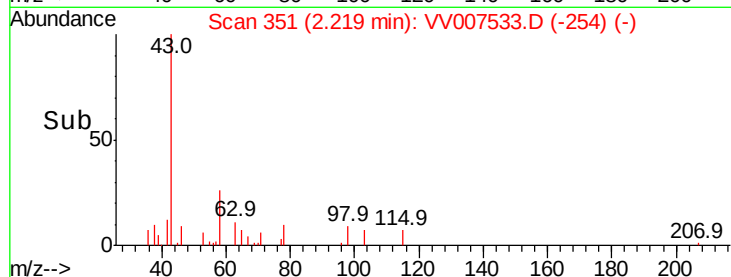
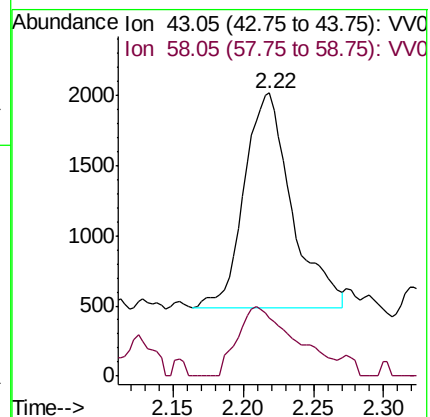
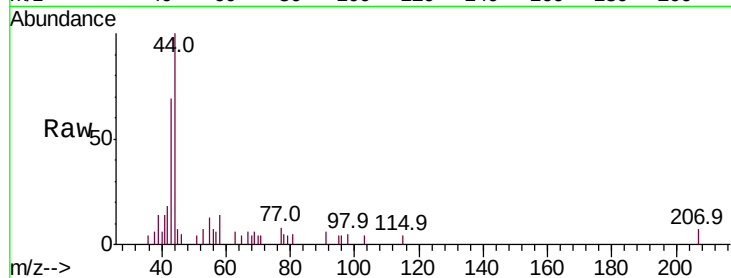
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3604

Ion Ratio Lower Upper

43 100

58 39.5 0.0 63.4



#16

Methylene chloride

Concen: 0.369 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

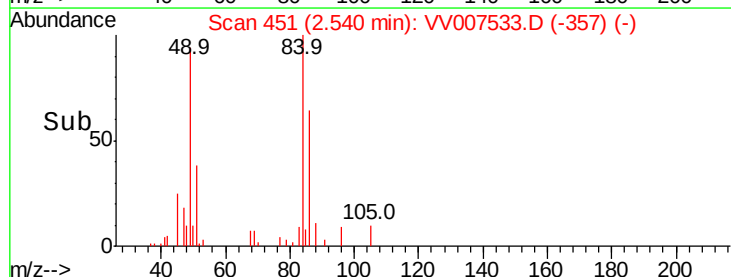
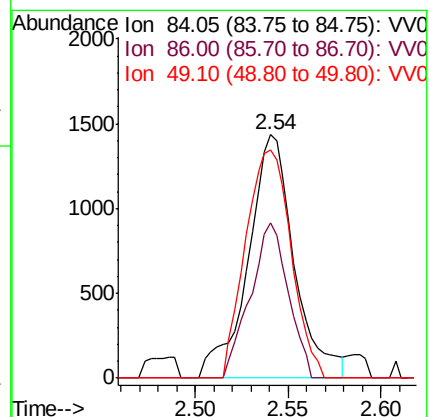
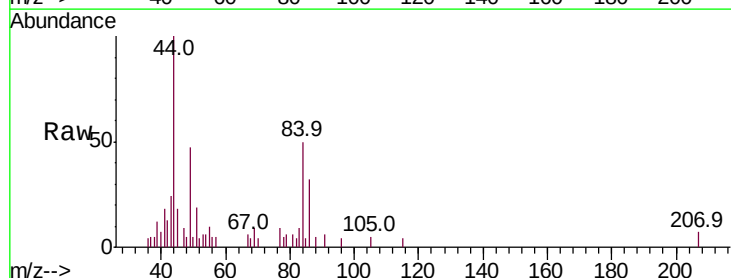
Tgt Ion: 84 Resp: 2492

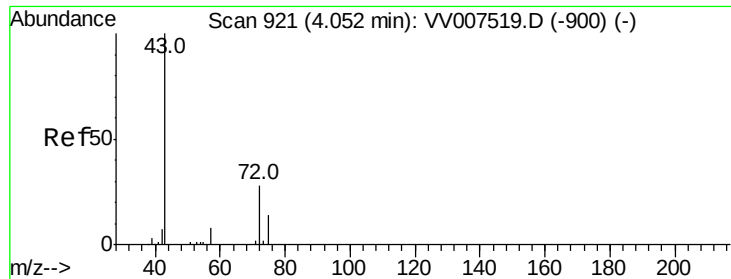
Ion Ratio Lower Upper

84 100

86 63.6 43.7 81.1

49 93.8 76.8 142.6





#21

2-Butanone

Concen: 1.449 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

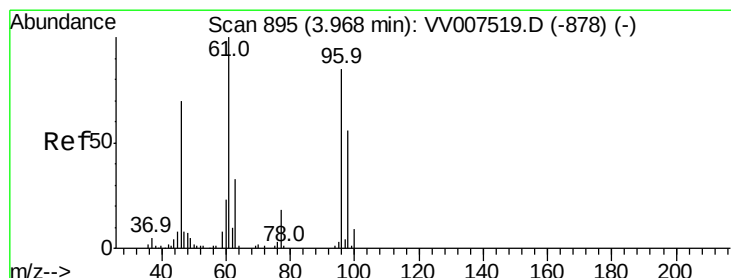
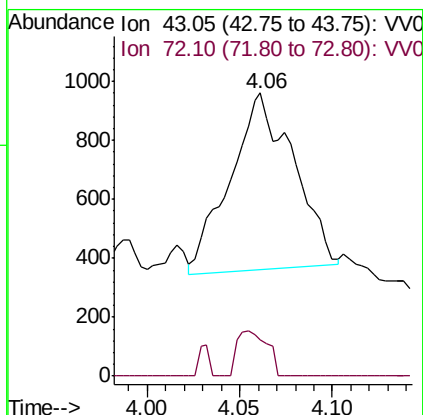
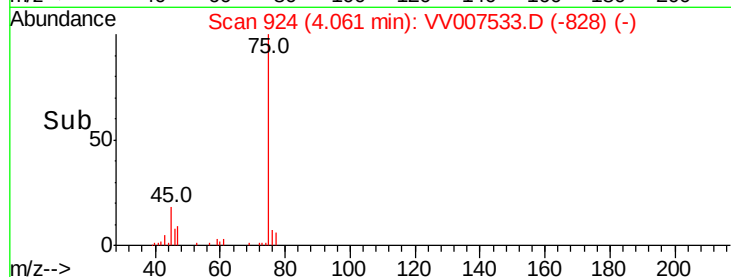
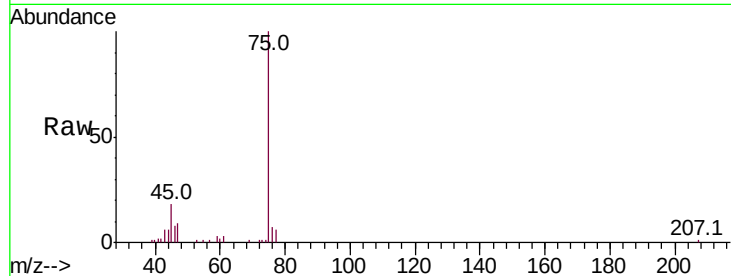
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1425

Ion Ratio Lower Upper

43 100

72 12.2 14.2 42.6#



#22

cis-1,2-Dichloroethene

Concen: 1.167 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

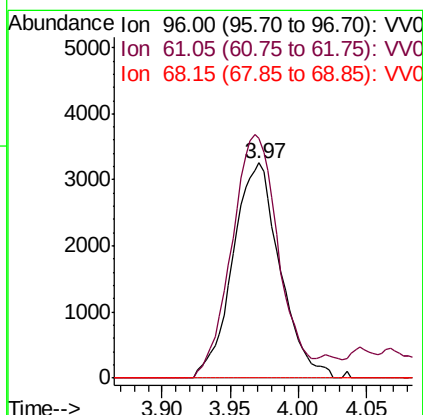
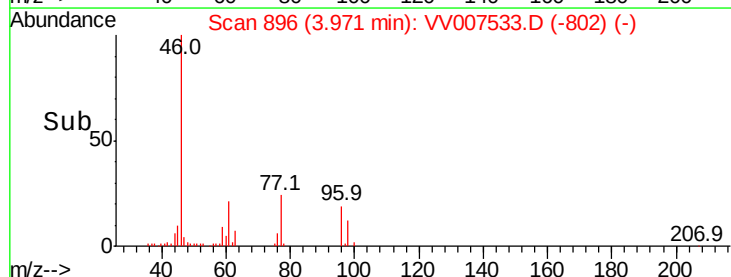
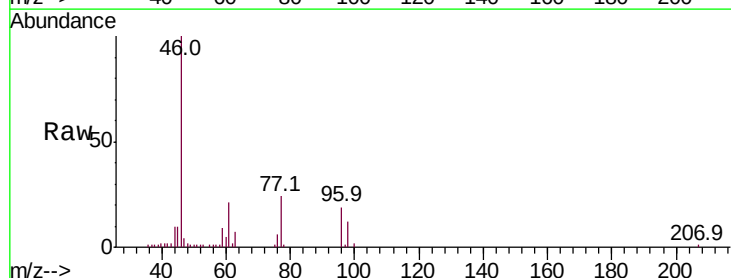
Tgt Ion: 96 Resp: 7826

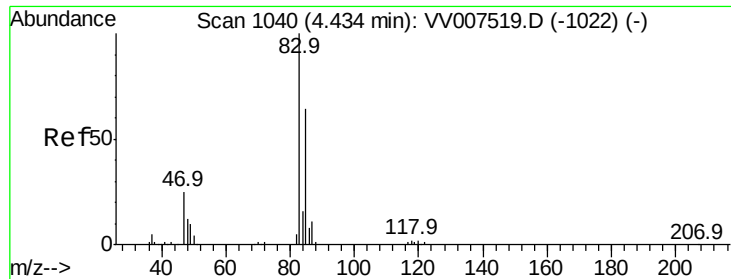
Ion Ratio Lower Upper

96 100

61 111.5 85.3 158.5

68 0.0 0.0 0.0

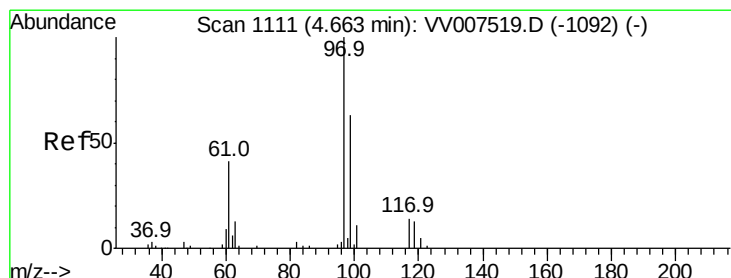
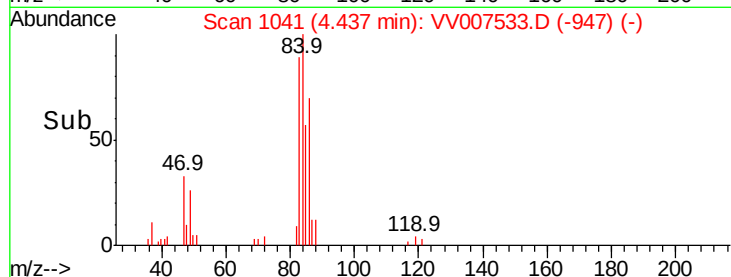
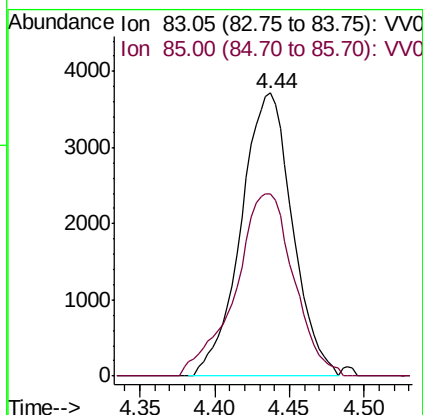
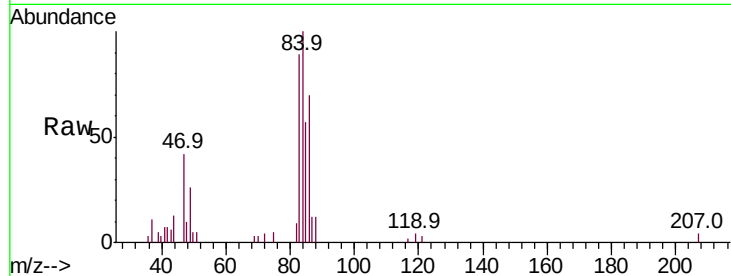




#25
Chloroform
Concen: 0.785 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007533.D
Acq: 14 Sep 2018 02:00

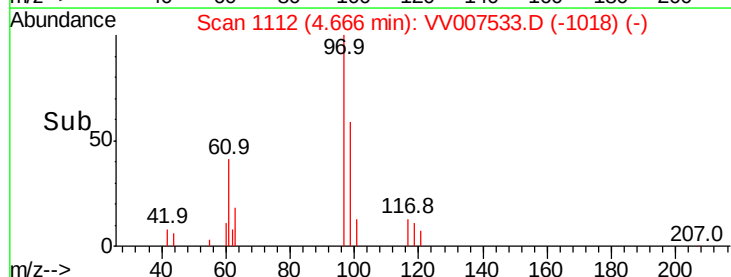
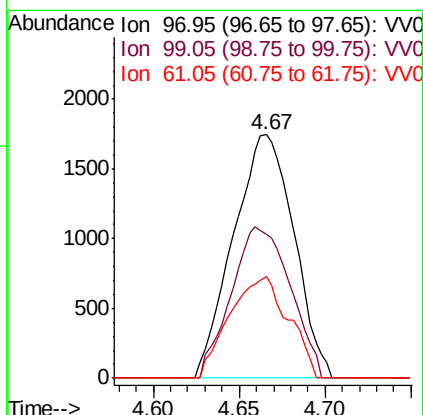
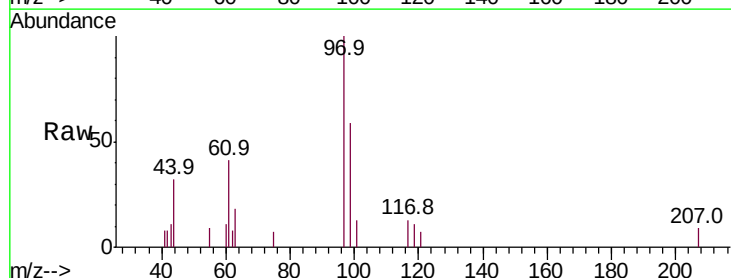
Instrument :
MSVOA_V
ClientSampled :

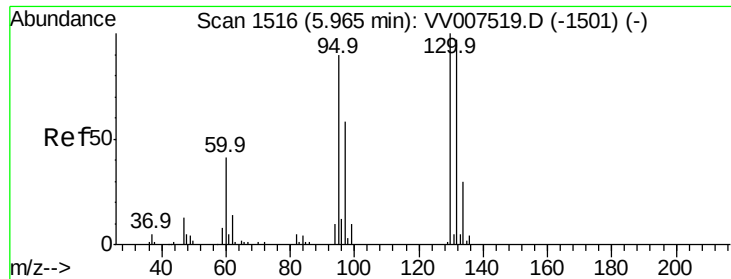
Tot Ion: 83 Resp: 8900
Ion Ratio Lower Upper
83 100
85 64.2 45.5 84.5



#29
1,1,1-Trichloroethane
Concen: 0.399 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV007533.D
Acq: 14 Sep 2018 02:00

Tgt Ion: 97 Resp: 4267
Ion Ratio Lower Upper
97 100
99 60.6 50.7 76.1
61 40.6 32.5 48.7





#34

Trichloroethene

Concen: 7.040 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 48998

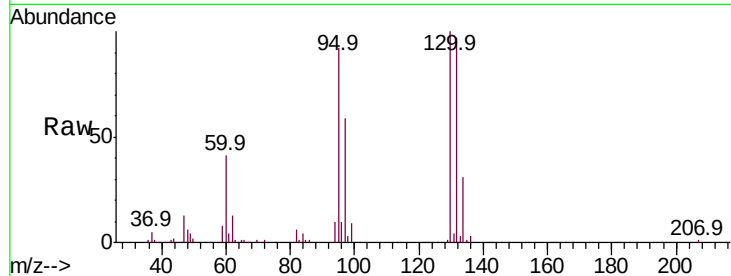
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 104.9 74.9 139.1

130 108.3 80.0 148.6

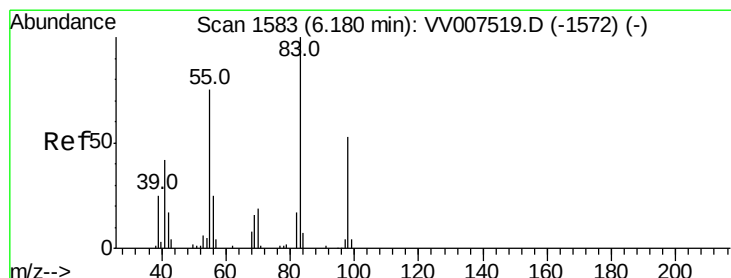
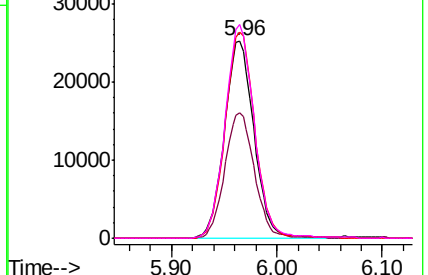
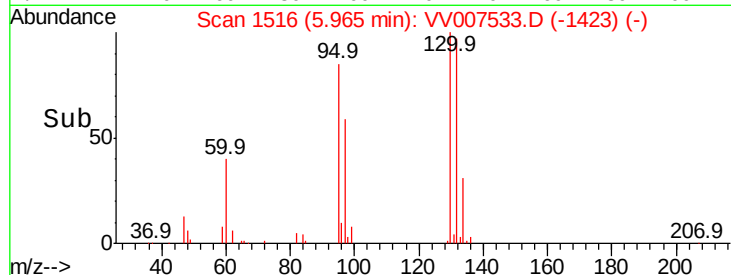


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.808 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

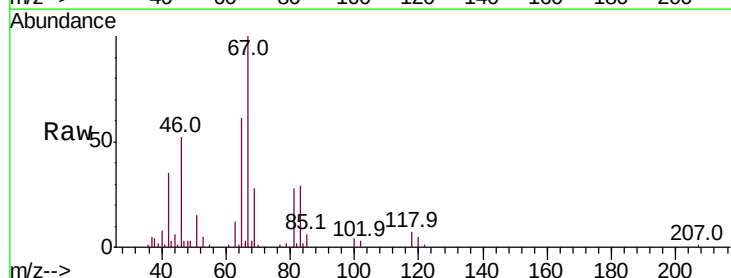
Tgt Ion: 83 Resp: 8681

Ion Ratio Lower Upper

83 100

55 3.5 55.0 82.4#

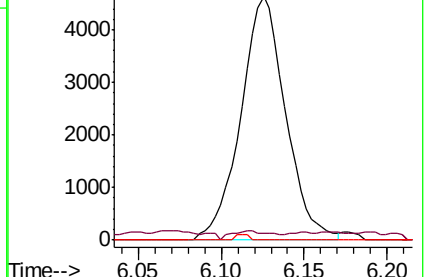
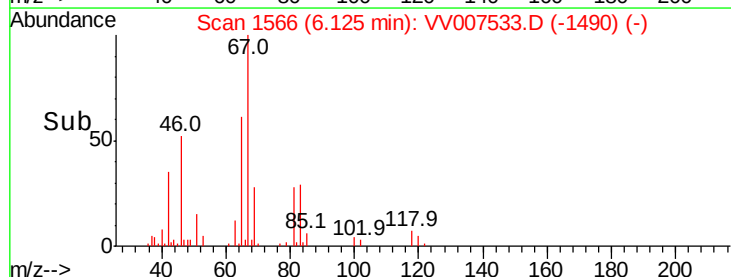
98 0.7 37.6 56.4#

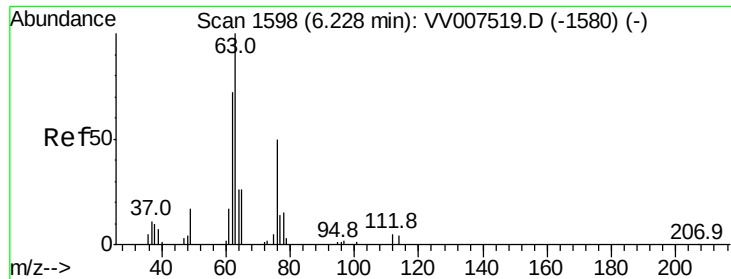


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.679 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

Instrument :

MSVOA_V

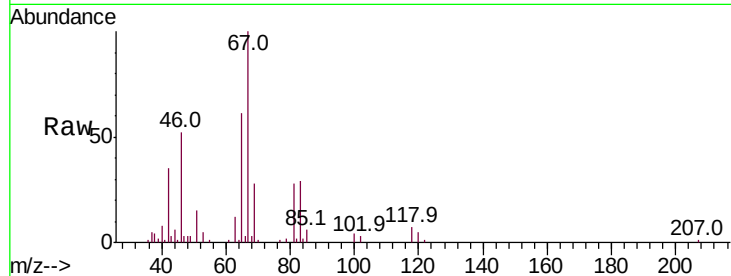
ClientSampled :

Tot Ion: 63 Resp: 3799

Ion Ratio Lower Upper

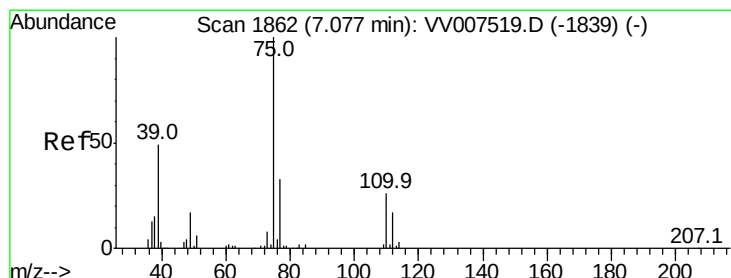
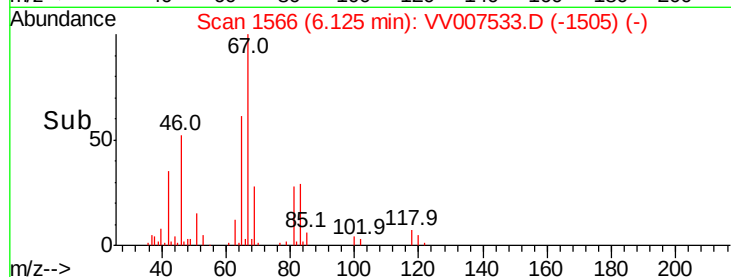
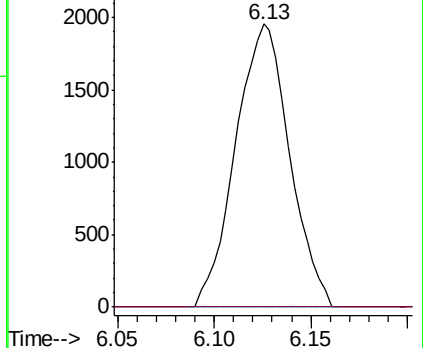
63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.143 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007533.D

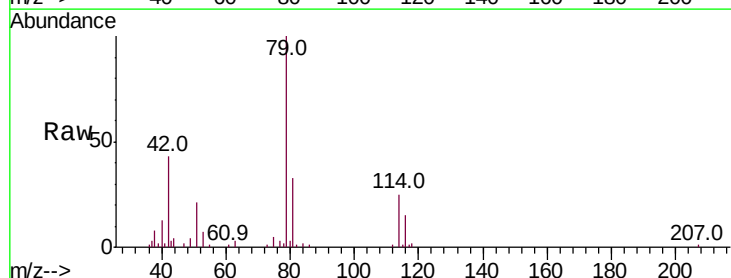
Acq: 14 Sep 2018 02:00

Tgt Ion: 75 Resp: 1270

Ion Ratio Lower Upper

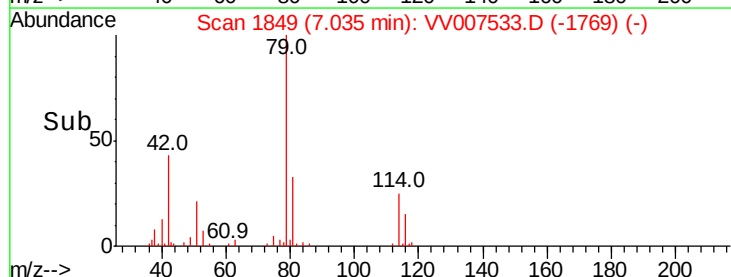
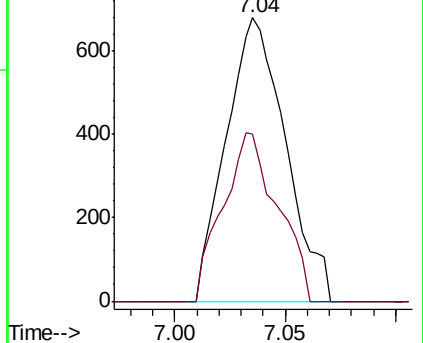
75 100

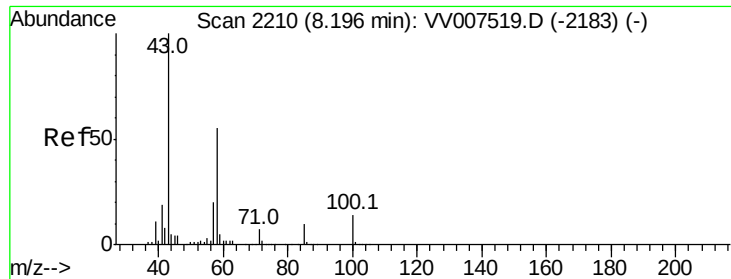
77 59.2 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

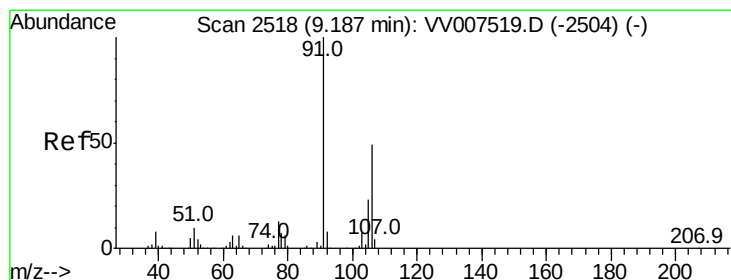
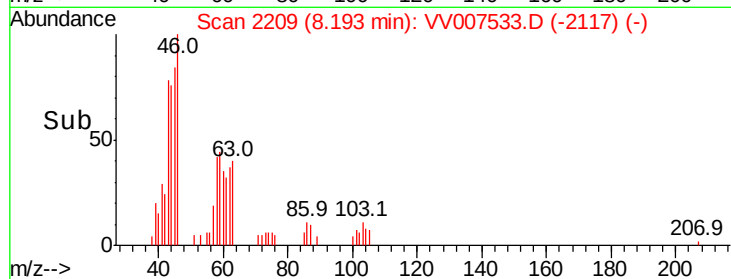
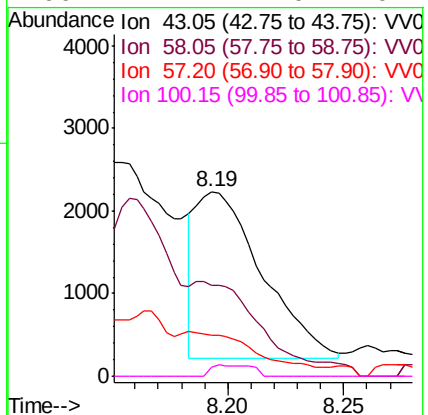
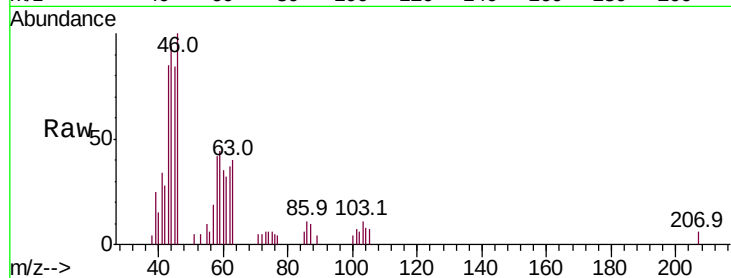




#48
2-Hexanone
Concen: 1.706 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007533.D
Acq: 14 Sep 2018 02:00

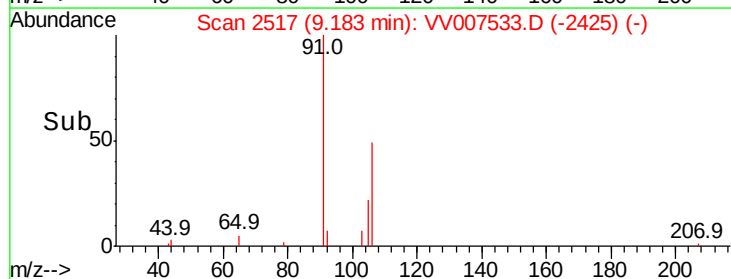
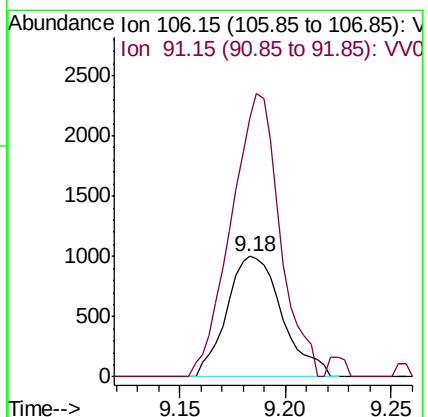
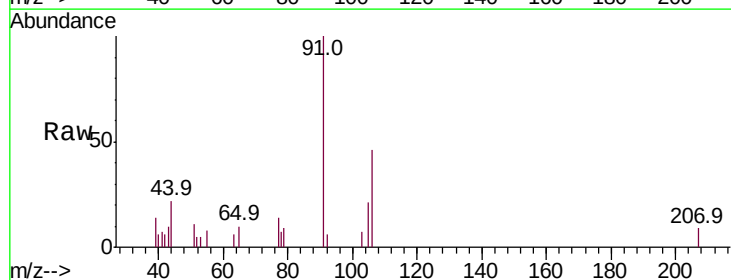
Instrument :
MSVOA_V
ClientSampleId :

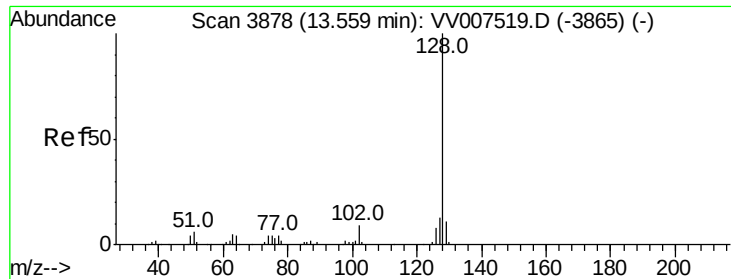
Tot Ion: 43 Resp: 3998
Ion Ratio Lower Upper
43 100
58 0.0 49.8 74.6#
57 2.4 18.2 27.4#
100 4.2 11.0 16.4#



#53
m,p-xylene
Concen: 0.160 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007533.D
Acq: 14 Sep 2018 02:00

Tgt Ion: 106 Resp: 1826
Ion Ratio Lower Upper
106 100
91 215.4 137.2 254.8





#69

Naphthalene

Concen: 0.091 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

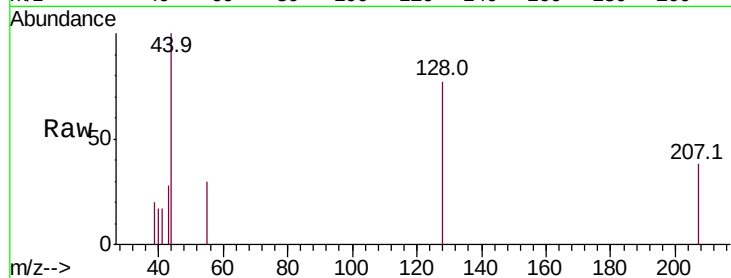
Lab File: VV007533.D

Acq: 14 Sep 2018 02:00

Instrument :

MSVOA_V

ClientSampleId :



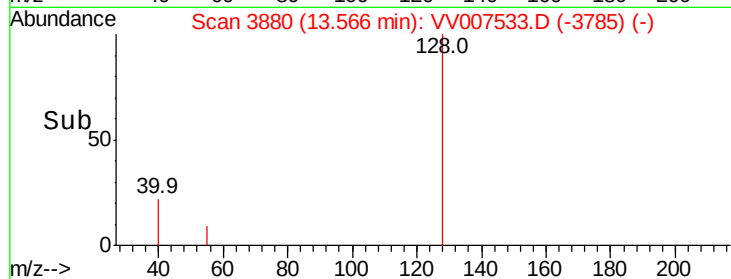
Tot Ion:128 Resp: 896

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 0.0 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

600

500

400

300

200

100

0

13.55

13.57

13.60

Time-->