

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007531.D
 Acq On : 14 Sep 2018 01:06
 Operator : SY/MD
 Sample : J4888-02
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 05:13:08 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	133480	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	121523	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62596	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27489	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.58	69	25290	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.13	63	49862	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.97	46	60608	62.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.64%
24) Chloroform-d	4.41	84	61741	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.09	65	30547	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.10	84	119653	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.12	67	35252	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.36	98	118940	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.67	79	14447	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.14	63	32000	52.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.42%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25506	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	47869	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1287	0.184	ug/L #	45
12) 1,1-Dichloroethene	2.15	96	5861	0.865	ug/L #	1
13) Acetone	2.21	43	4975	7.833	ug/L	91
16) Methylene chloride	2.54	84	2774	0.379	ug/L	94
21) 2-Butanone	4.07	43	1800	1.689	ug/L #	53
22) cis-1,2-Dichloroethene	3.97	96	16584	2.283	ug/L	99
25) Chloroform	4.44	83	5408	0.440	ug/L	97
29) 1,1,1-Trichloroethane	4.67	97	7240	0.613	ug/L	99
31) Carbon tetrachloride	4.66	117	1049	0.095	ug/L	95
34) Trichloroethene	5.96	95	52901	6.874	ug/L	97
35) Methylcyclohexane	6.12	83	9042	0.761	ug/L #	24
37) 1,2-Dichloropropane	6.13	63	4320	0.699	ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1216	0.124	ug/L #	61
48) 2-Hexanone	8.19	43	4770	1.840	ug/L #	45
53) m,p-xylene	9.18	106	2300	0.182	ug/L	86
69) Naphthalene	13.56	128	7113	0.661	ug/L	100

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QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration

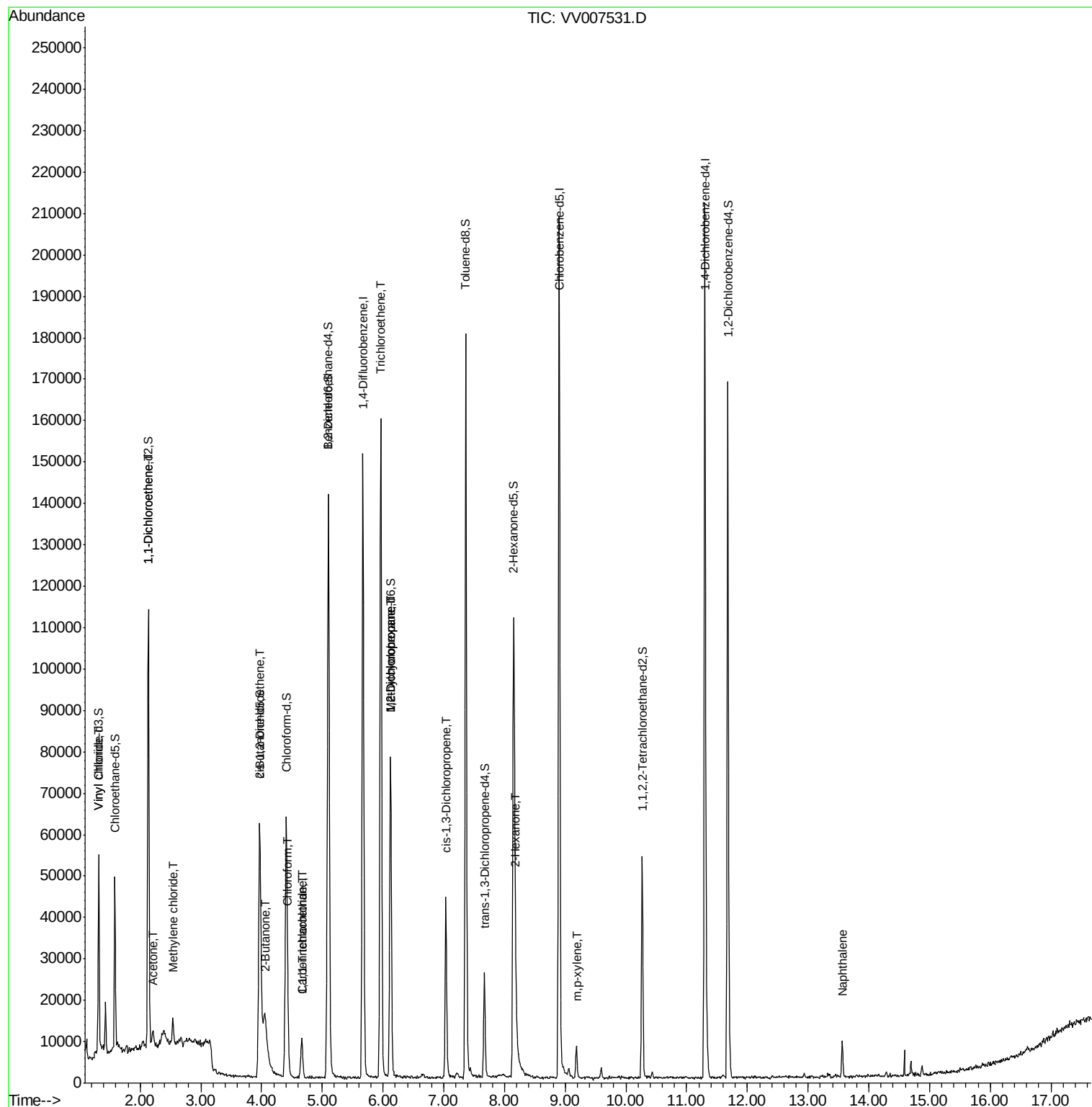
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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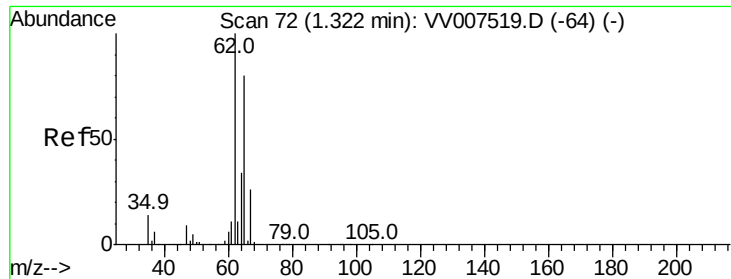
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.184 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

Instrument :

MSVOA_V

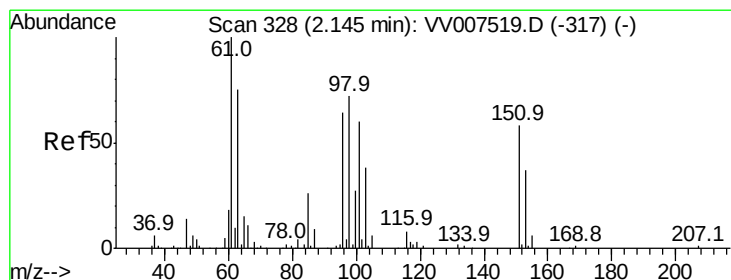
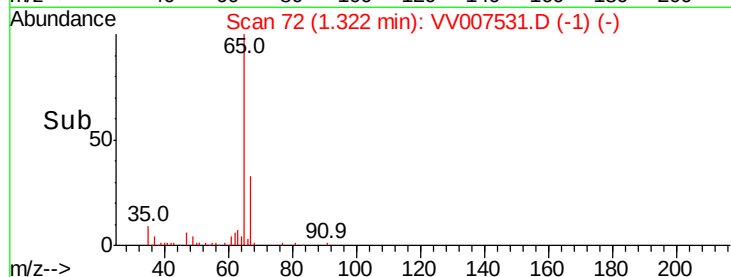
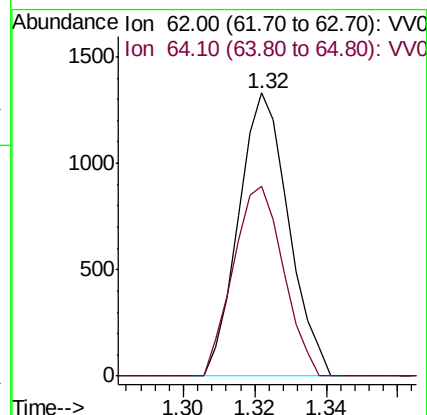
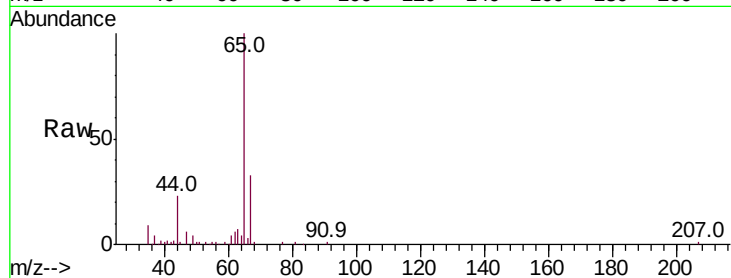
ClientSampled :

Tot Ion: 62 Resp: 1287

Ion Ratio Lower Upper

62 100

64 66.9 24.4 45.2#



#12

1,1-Dichloroethene

Concen: 0.865 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

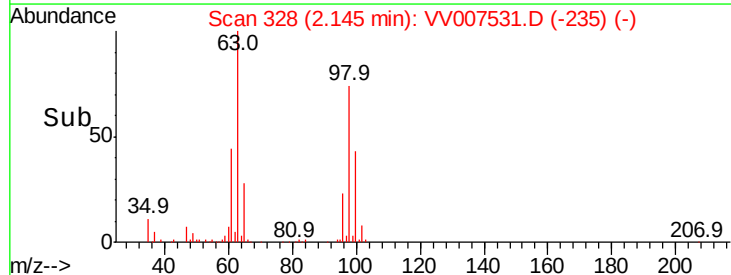
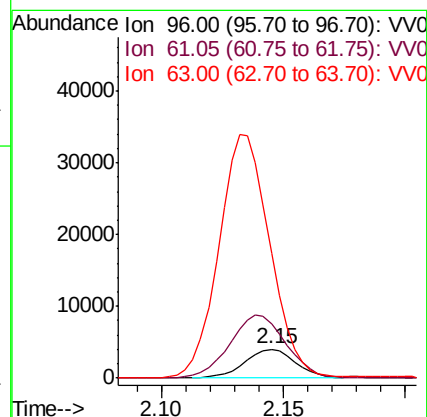
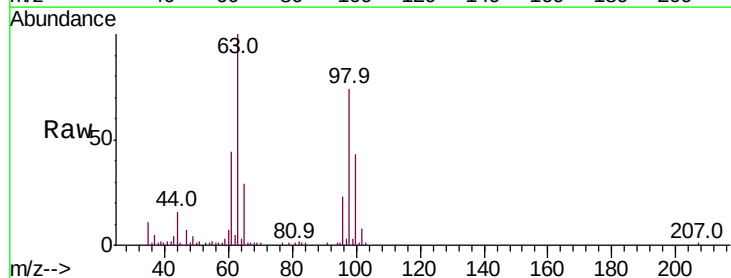
Tgt Ion: 96 Resp: 5861

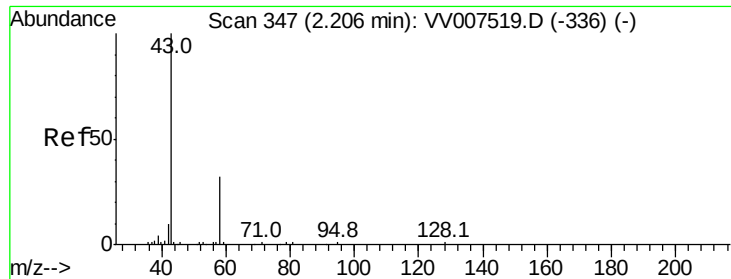
Ion Ratio Lower Upper

96 100

61 191.5 114.8 213.2

63 434.9 81.8 151.8#





#13

Acetone

Concen: 7.833 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

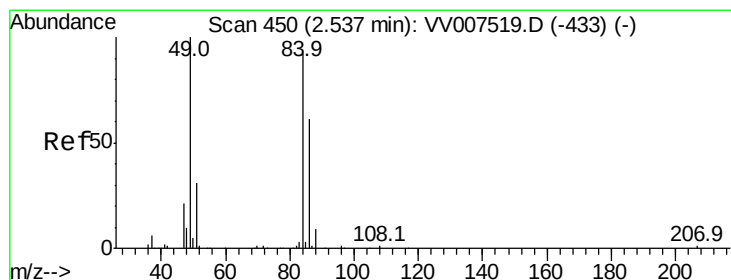
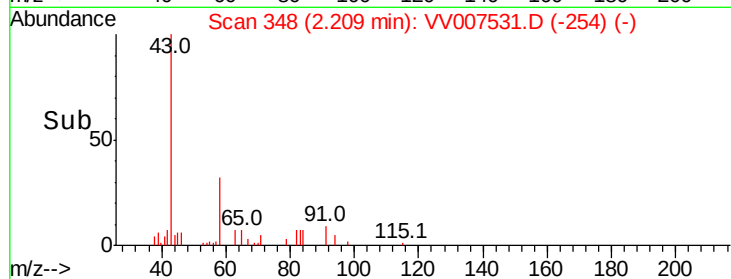
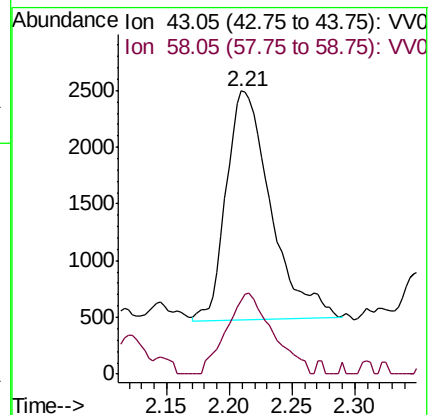
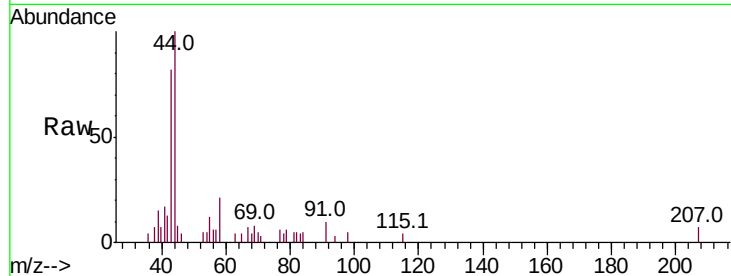
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4975

Ion Ratio Lower Upper

43 100

58 36.8 0.0 63.4



#16

Methylene chloride

Concen: 0.379 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

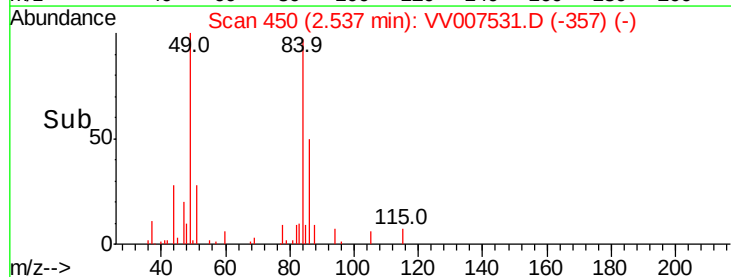
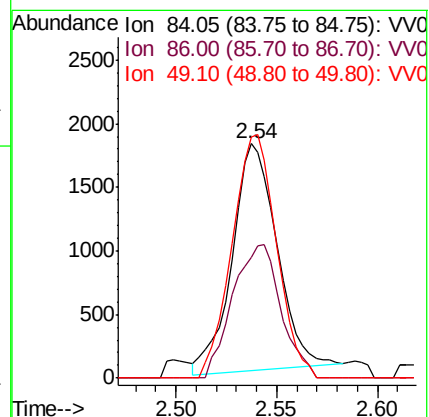
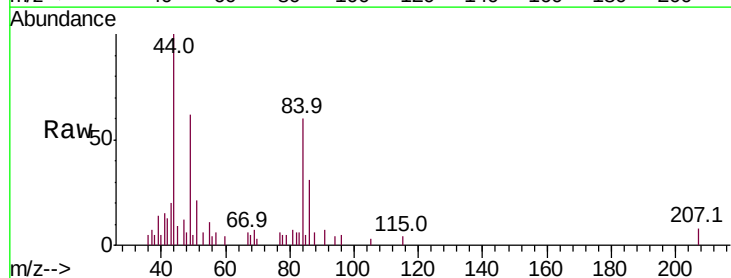
Tgt Ion: 84 Resp: 2774

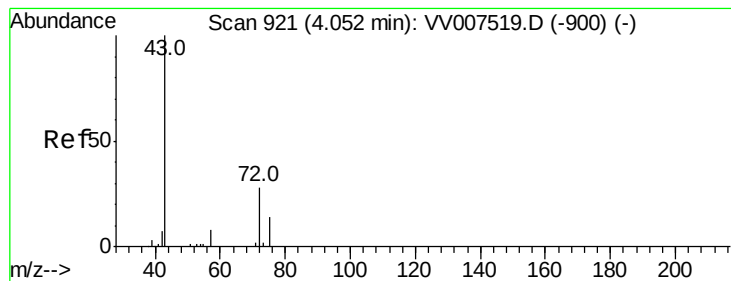
Ion Ratio Lower Upper

84 100

86 51.7 43.7 81.1

49 111.1 76.8 142.6





#21

2-Butanone

Concen: 1.689 ug/L

RT: 4.07 min Scan# 927

Delta R.T. 0.02 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

Instrument :

MSVOA_V

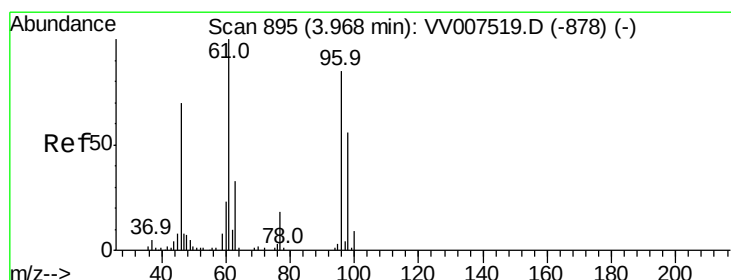
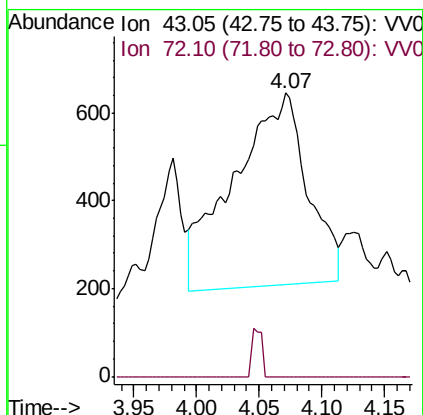
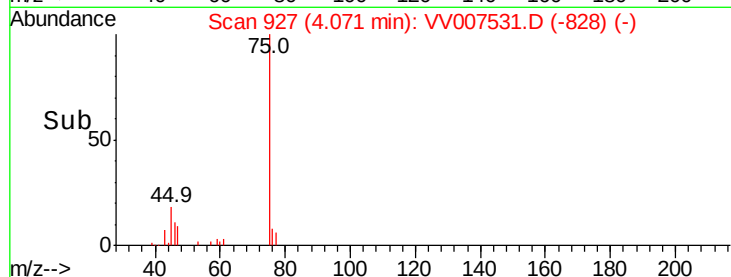
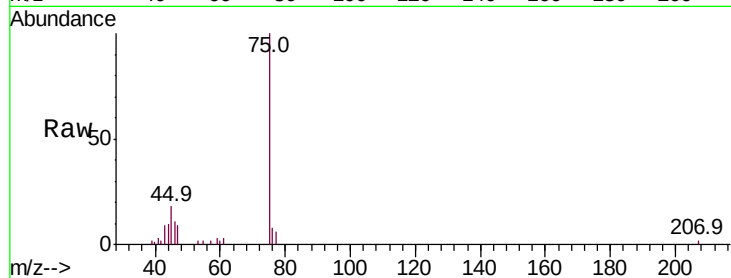
ClientSampled :

Tot Ion: 43 Resp: 1800

Ion Ratio Lower Upper

43 100

72 3.3 14.2 42.6#



#22

cis-1,2-Dichloroethene

Concen: 2.283 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

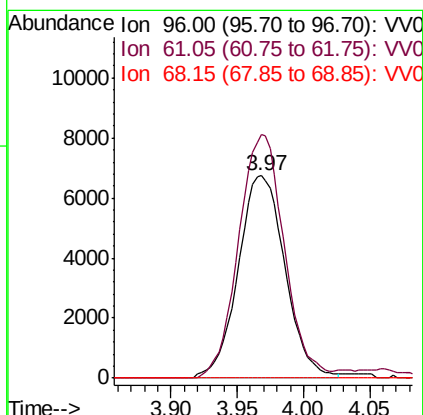
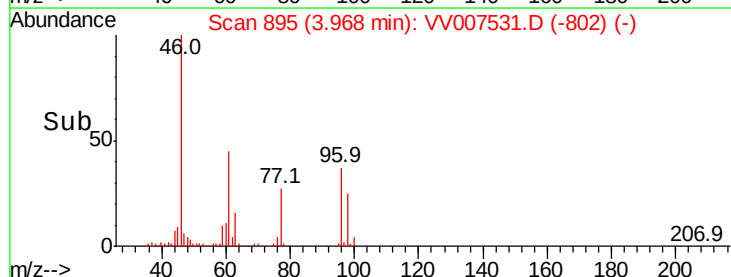
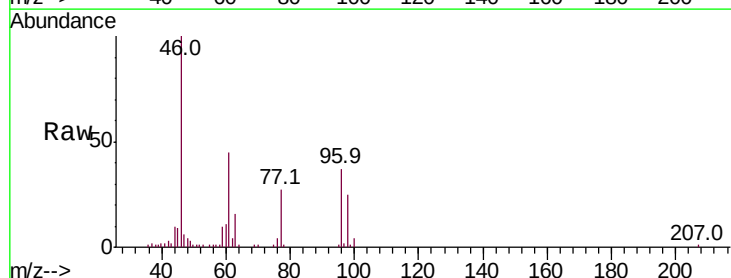
Tgt Ion: 96 Resp: 16584

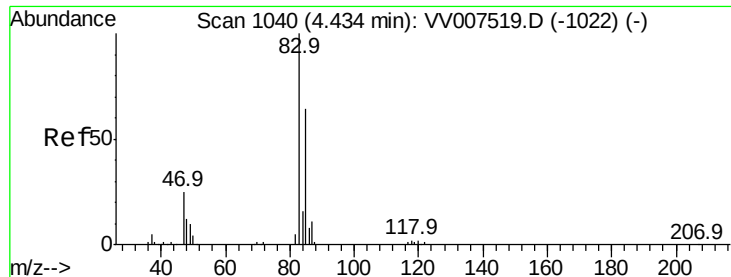
Ion Ratio Lower Upper

96 100

61 120.4 85.3 158.5

68 0.0 0.0 0.0

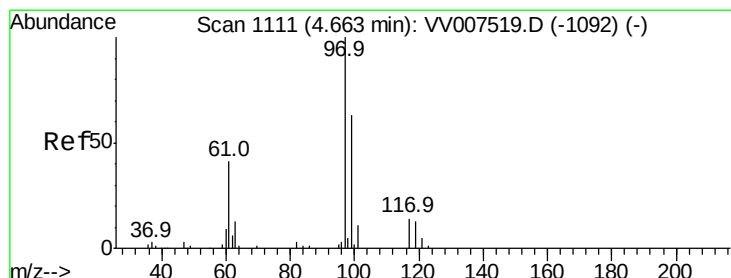
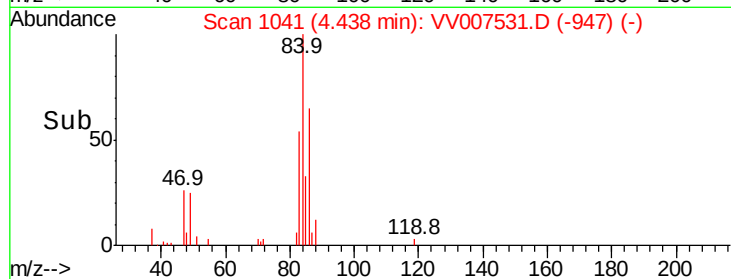
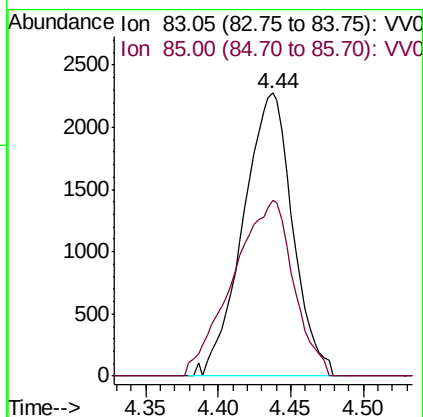
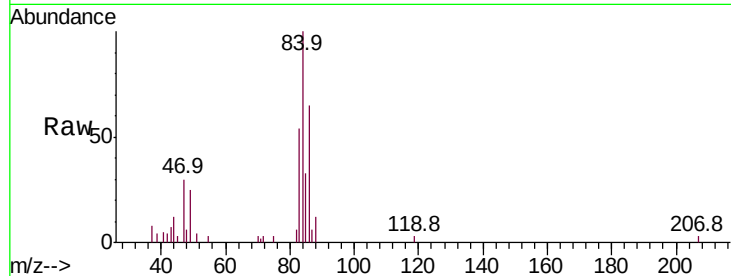




#25
Chloroform
Concen: 0.440 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007531.D
Acq: 14 Sep 2018 01:06

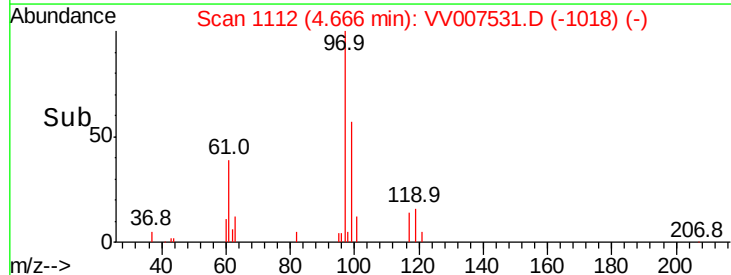
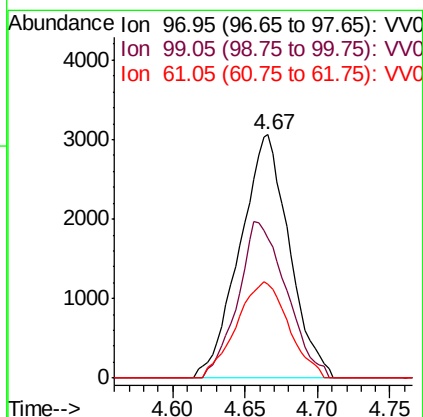
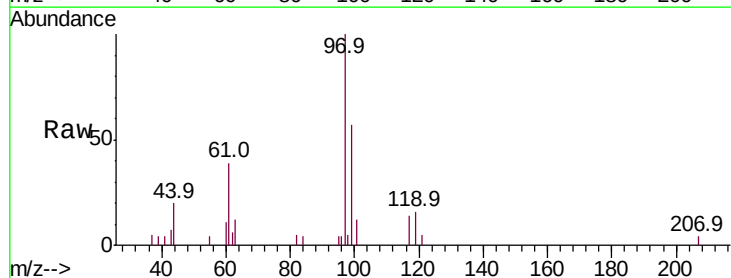
Instrument :
MSVOA_V
ClientSampleId :

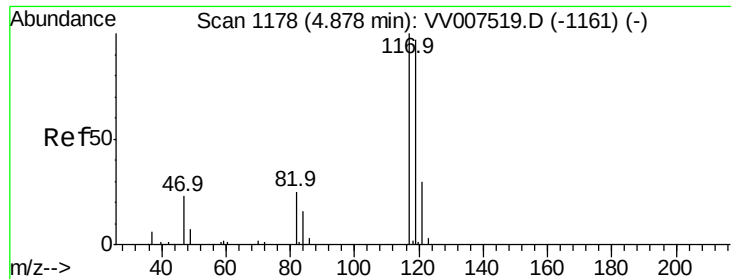
Tot Ion: 83 Resp: 5408
Ion Ratio Lower Upper
83 100
85 62.3 45.5 84.5



#29
1,1,1-Trichloroethane
Concen: 0.613 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV007531.D
Acq: 14 Sep 2018 01:06

Tgt Ion: 97 Resp: 7240
Ion Ratio Lower Upper
97 100
99 63.2 50.7 76.1
61 41.5 32.5 48.7





#31

Carbon tetrachloride

Concen: 0.095 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.22 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

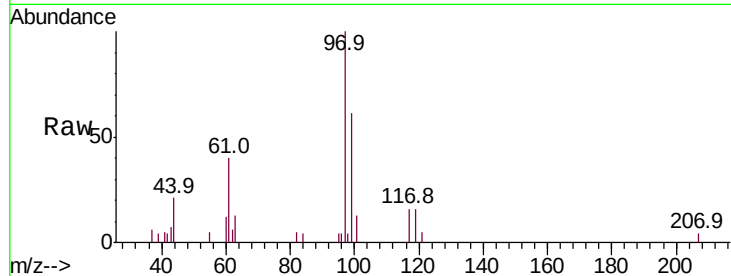
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 1049

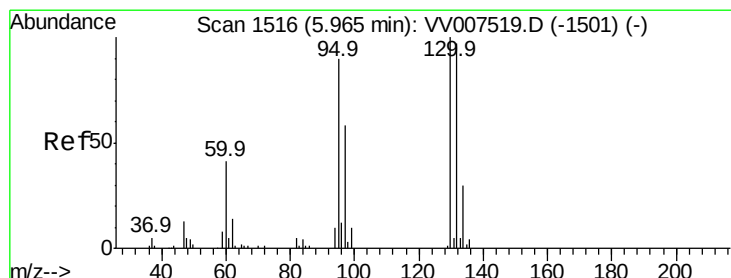
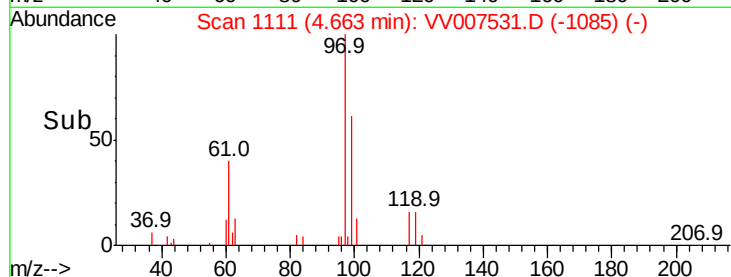
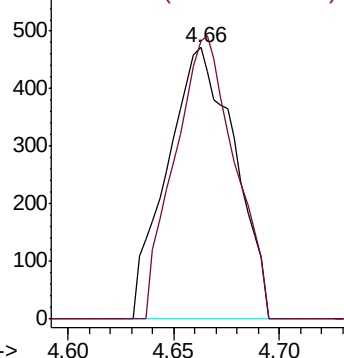
Ion Ratio Lower Upper

117 100

119 92.5 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 6.874 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

Tgt Ion: 95 Resp: 52901

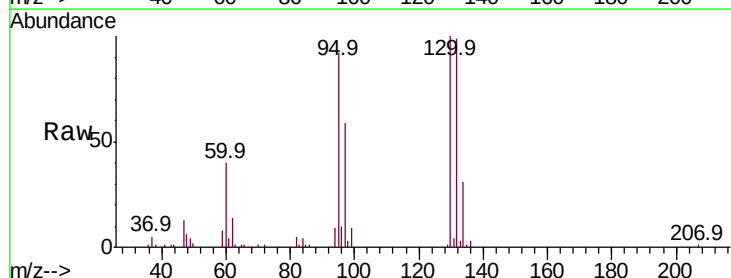
Ion Ratio Lower Upper

95 100

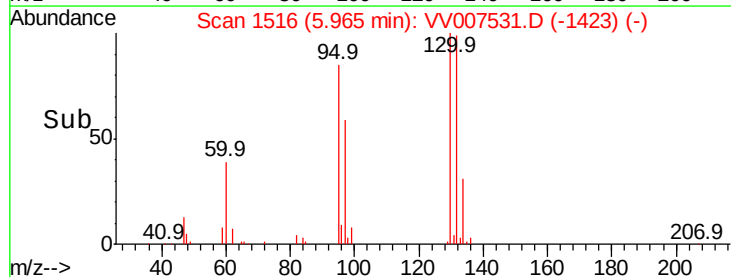
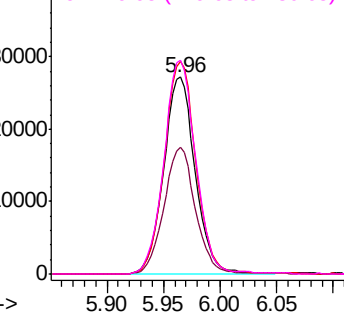
97 64.3 45.5 84.5

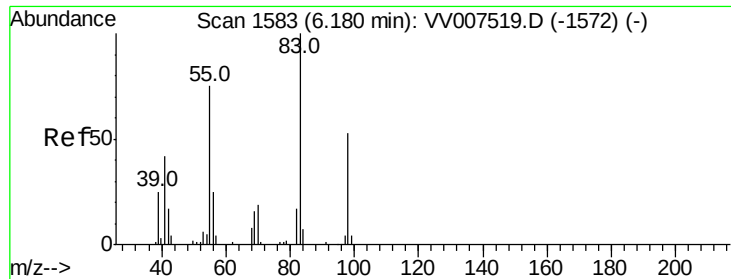
132 108.0 74.9 139.1

130 108.5 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): VV0
Ion 129.95 (129.65 to 130.65): VV0

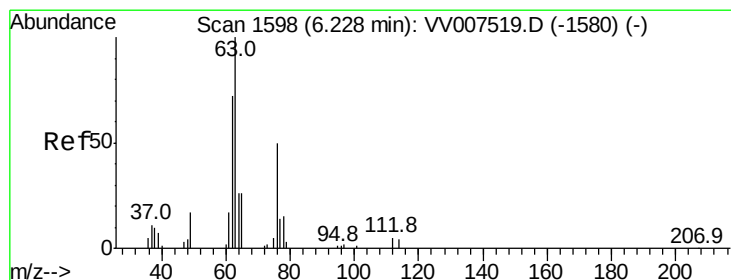
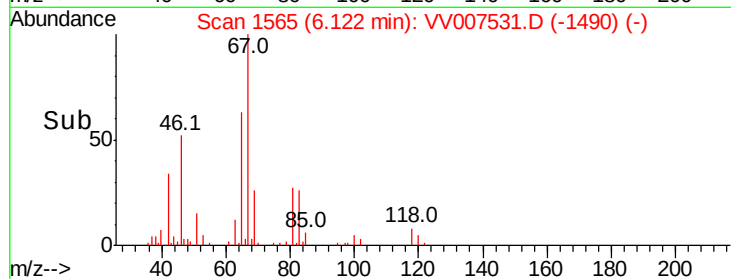
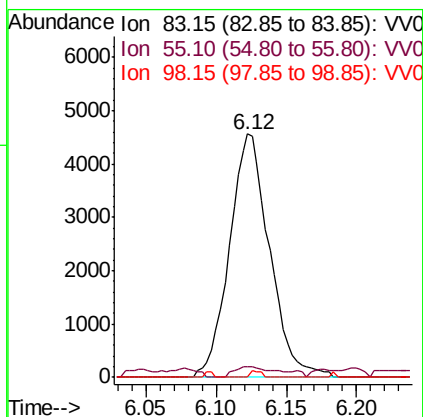
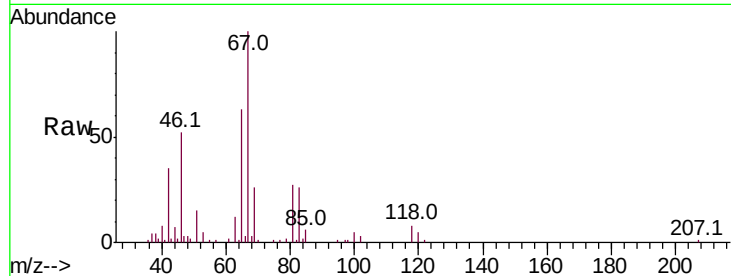




#35
Methylcyclohexane
Concen: 0.761 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.06 min
Lab File: VV007531.D
Acq: 14 Sep 2018 01:06

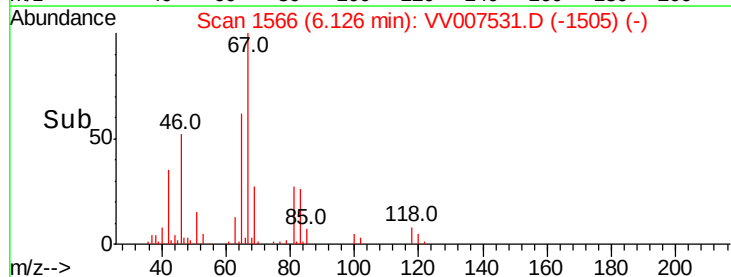
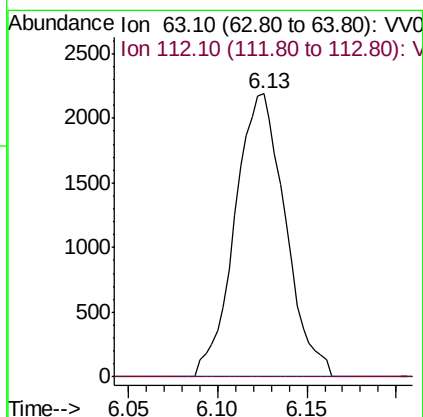
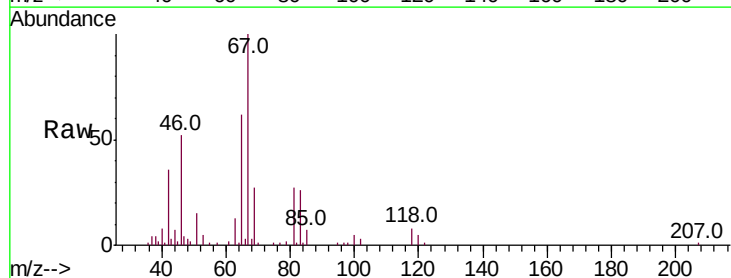
Instrument :
MSVOA_V
ClientSampleId :

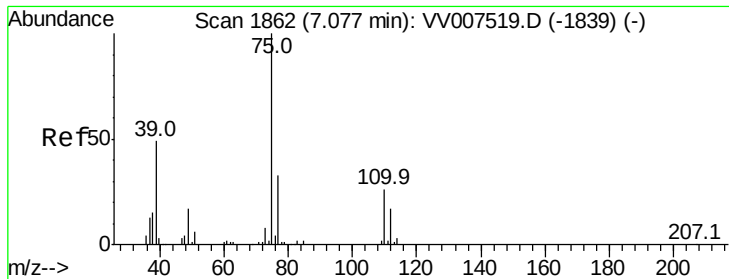
Tot Ion: 83 Resp: 9042
Ion Ratio Lower Upper
83 100
55 4.4 55.0 82.4#
98 0.0 37.6 56.4#



#37
1,2-Dichloropropane
Concen: 0.699 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV007531.D
Acq: 14 Sep 2018 01:06

Tgt Ion: 63 Resp: 4320
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

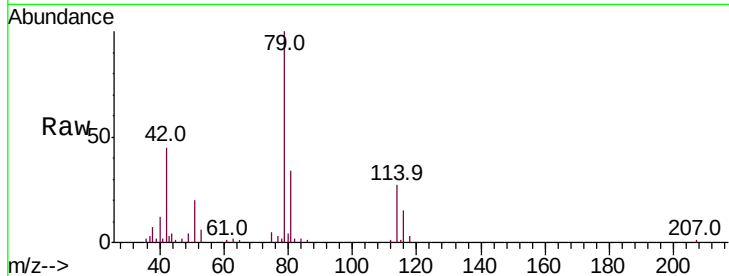
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1216

Ion Ratio Lower Upper

75 100

77 53.4 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.04

800

600

400

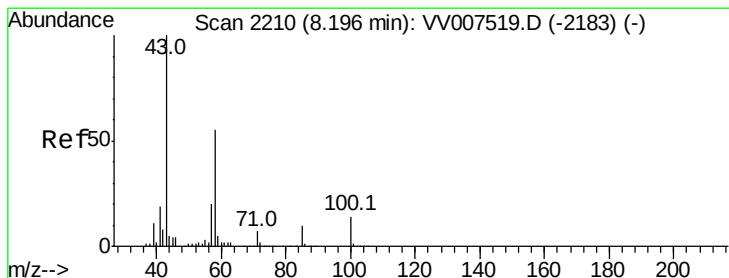
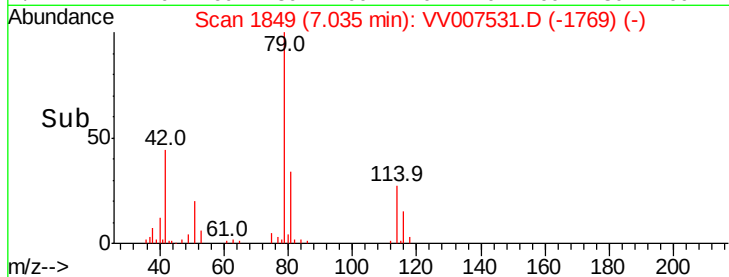
200

0

7.00

7.05

Time-->



#48

2-Hexanone

Concen: 1.840 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VV007531.D

Acq: 14 Sep 2018 01:06

Tgt Ion: 43 Resp: 4770

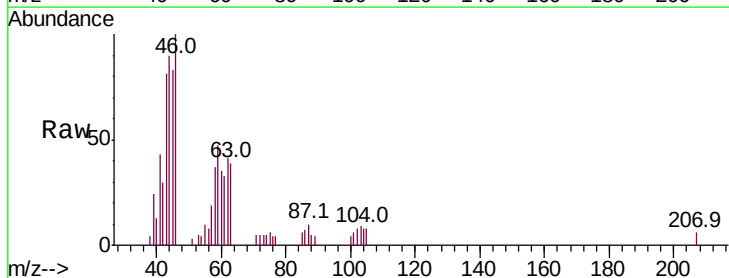
Ion Ratio Lower Upper

43 100

58 0.0 49.8 74.6#

57 26.0 18.2 27.4

100 5.6 11.0 16.4#



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

4000

3000

2000

1000

0

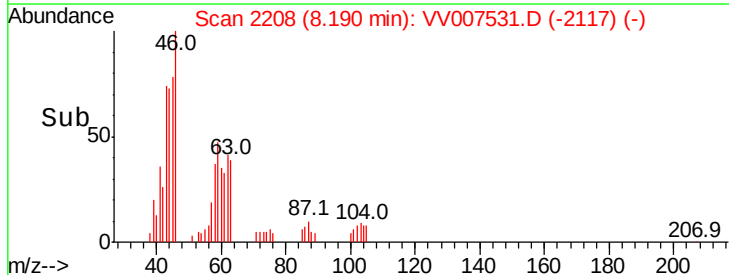
8.15

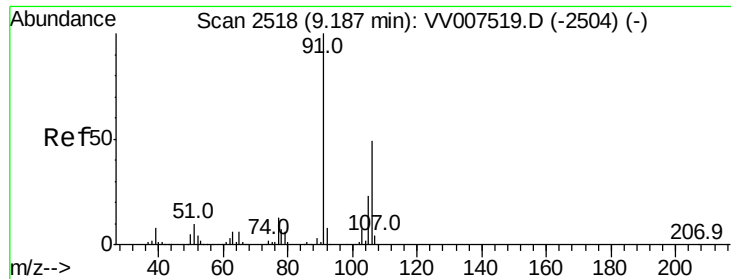
8.20

8.25

8.30

Time-->

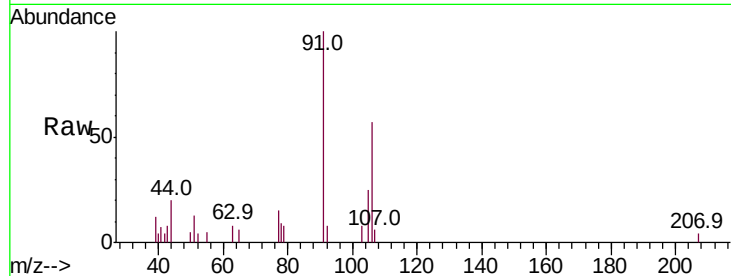




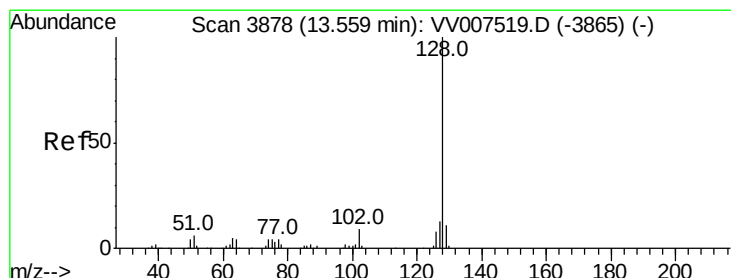
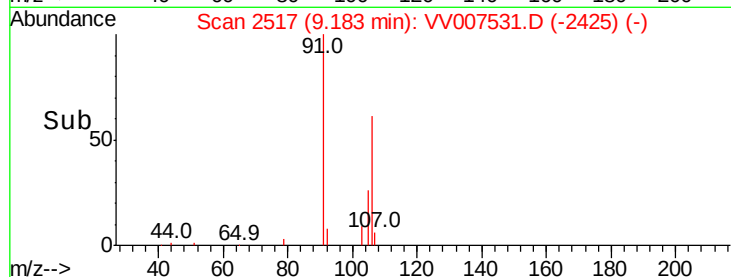
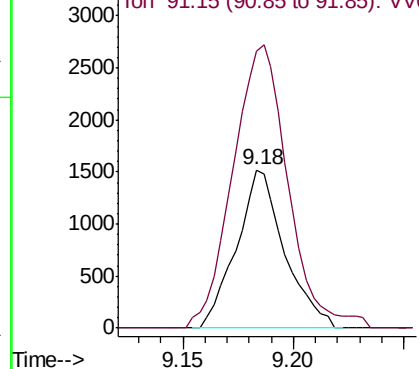
#53
m,p-xylene
Concen: 0.182 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007531.D
Acq: 14 Sep 2018 01:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 2300
Ion Ratio Lower Upper
106 100
91 175.3 137.2 254.8

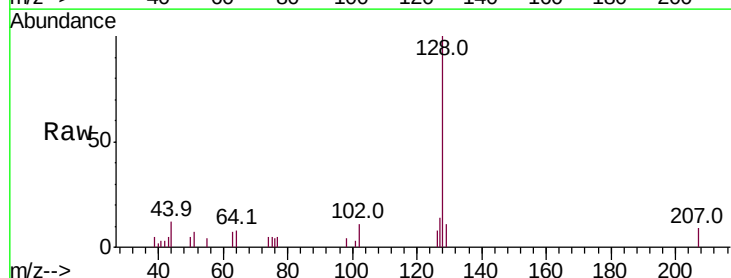


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#69
Naphthalene
Concen: 0.661 ug/L
RT: 13.56 min Scan# 3879
Delta R.T. 0.00 min
Lab File: VV007531.D
Acq: 14 Sep 2018 01:06

Tgt Ion:128 Resp: 7113
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.1 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

