

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007534.D
 Acq On : 14 Sep 2018 02:27
 Operator : SY/MD
 Sample : J4888-05
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 05:13:37 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	126862	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26794	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.59	69	24928	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.14	63	46355	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	3.97	46	59549	64.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.86%
24) Chloroform-d	4.41	84	57764	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.09	65	29541	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.10	84	113546	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.12	67	33578	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.36	98	114425	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.67	79	13857	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.14	63	27851	48.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.74%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22889	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	46761	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	839	0.126 ug/L #	11
8) Chloroethane	1.32	64	703	0.173 ug/L #	1
12) 1,1-Dichloroethene	2.14	96	1015	0.158 ug/L #	1
13) Acetone	2.21	43	7626	12.633 ug/L	96
15) Methyl Acetate	2.40	43	1120	0.677 ug/L #	43
16) Methylene chloride	2.54	84	2003	0.288 ug/L	95
21) 2-Butanone	4.06	43	1919	1.895 ug/L	80
22) cis-1,2-Dichloroethene	3.97	96	6527	0.945 ug/L	84
25) Chloroform	4.43	83	2498	0.214 ug/L	99
29) 1,1,1-Trichloroethane	4.67	97	3628	0.327 ug/L	94
34) Trichloroethene	5.96	95	33029	4.571 ug/L	98
35) Methylcyclohexane	6.12	83	8688	0.779 ug/L #	24
37) 1,2-Dichloropropane	6.13	63	4129	0.711 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1187	0.129 ug/L #	61
42) Toluene	7.44	91	6846	0.252 ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	666	0.088 ug/L #	28
48) 2-Hexanone	8.19	43	5651	2.322 ug/L #	36

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
Data File : VV007534.D
Acq On : 14 Sep 2018 02:27
Operator : SY/MD
Sample : J4888-05
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Sep 14 05:13:37 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

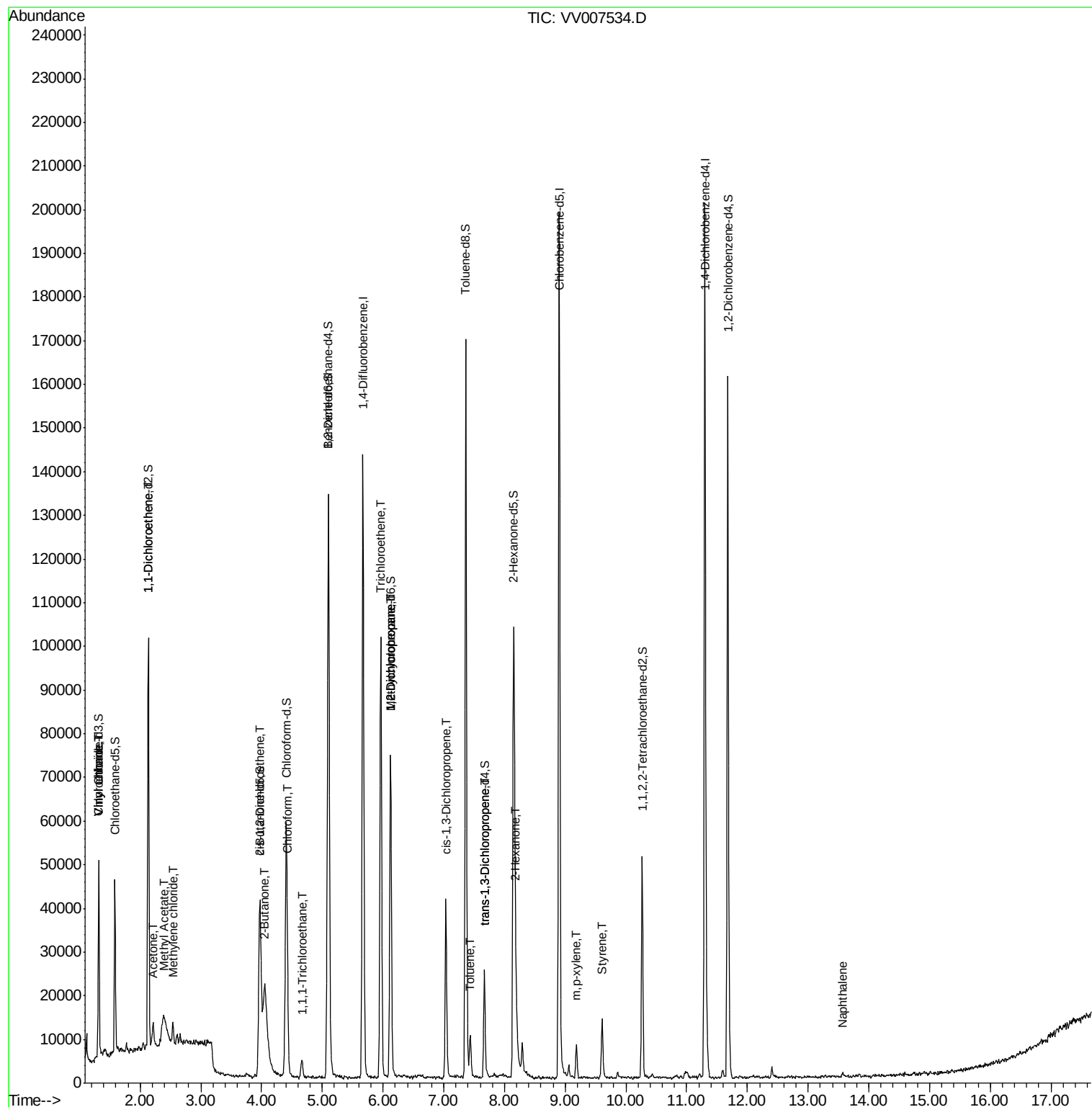
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.18	106	2281	0.192	ug/L	96
55) Styrene	9.61	104	6588	0.348	ug/L	99
69) Naphthalene	13.57	128	907	0.089	ug/L #	76

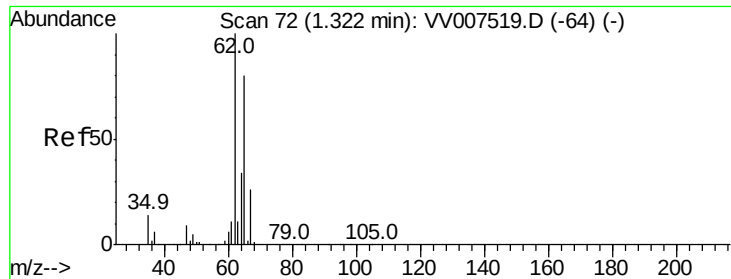
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091318\
Data File : VV007534.D
Acq On : 14 Sep 2018 02:27
Operator : SY/MD
Sample : J4888-05
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Sep 14 05:13:37 2018
Quant Method : Z:\V0ASRV\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





#5

Vinyl chloride

Concen: 0.126 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

Instrument :

MSVOA_V

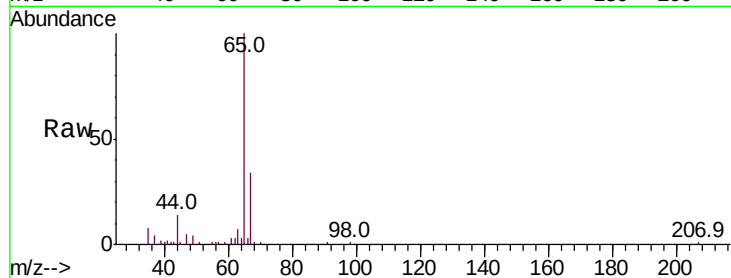
ClientSampleId :

Tot Ion: 62 Resp: 839

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

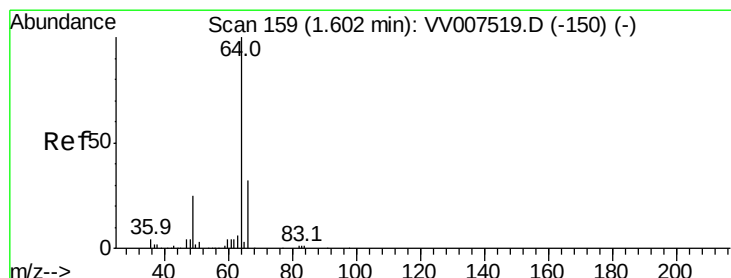
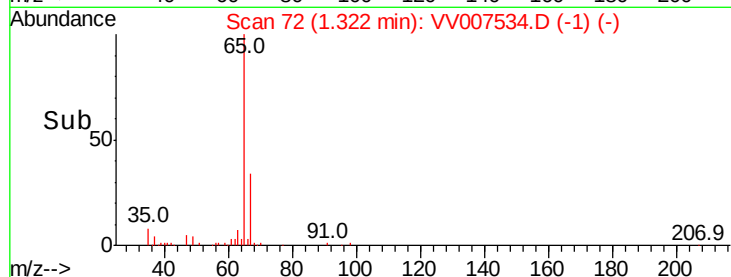
600

400

200

0

Time-->



#8

Chloroethane

Concen: 0.173 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007534.D

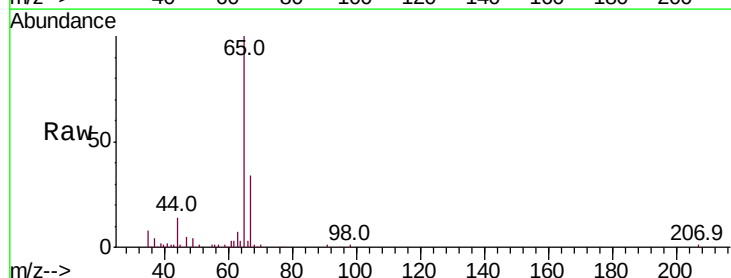
Acq: 14 Sep 2018 02:27

Tgt Ion: 64 Resp: 703

Ion Ratio Lower Upper

64 100

66 94.6 24.3 45.1#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

800

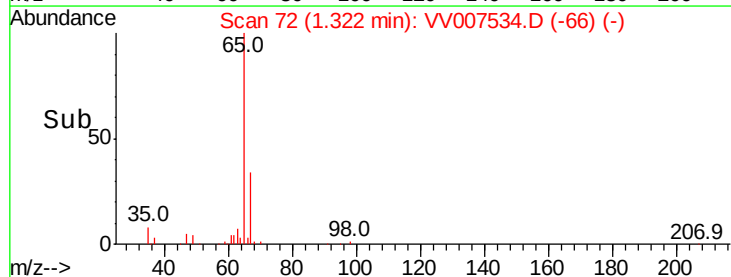
600

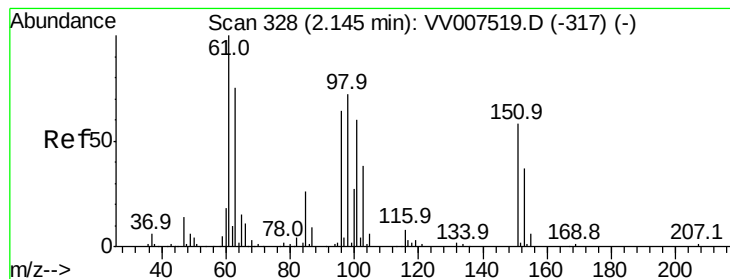
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.158 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

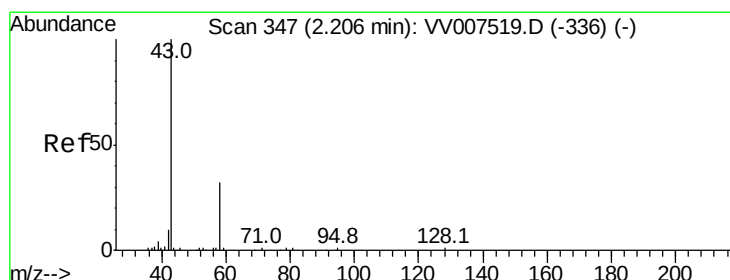
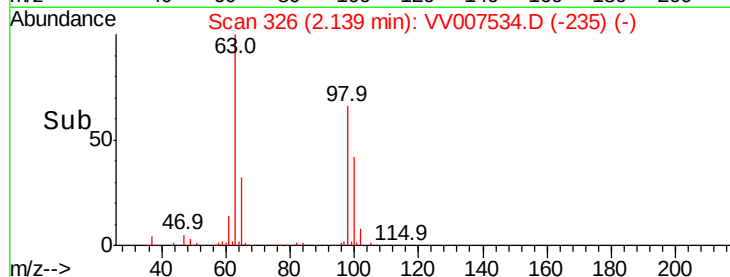
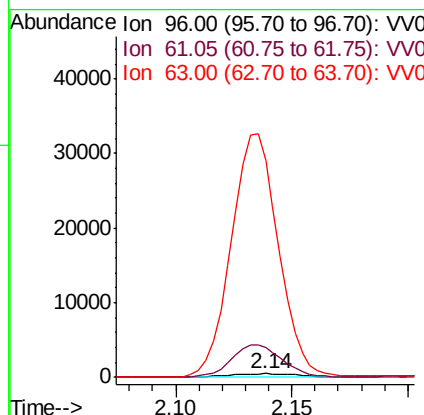
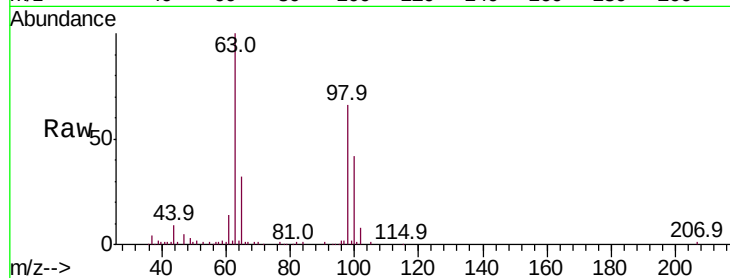
Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 1015

Ion	Ratio	Lower	Upper
96	100		
61	804.4	114.8	213.2#
63	5848.4	81.8	151.8#



#13

Acetone

Concen: 12.633 ug/L

RT: 2.21 min Scan# 349

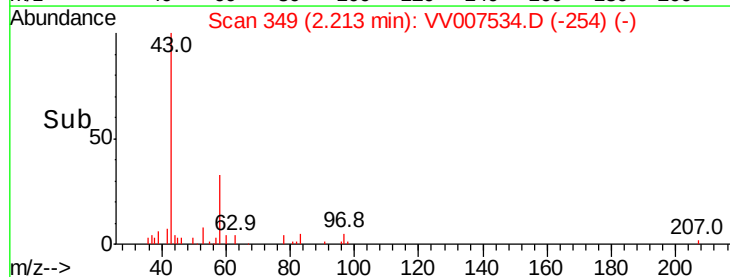
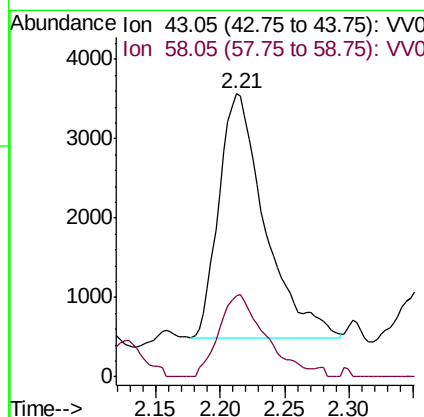
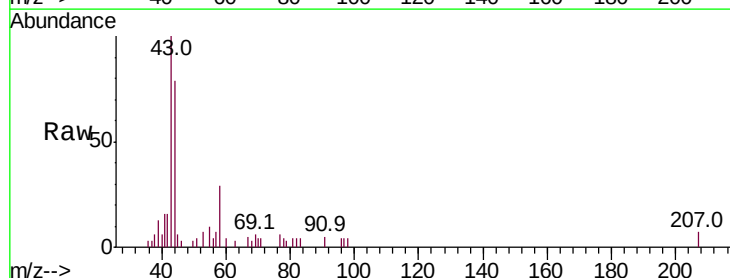
Delta R.T. 0.01 min

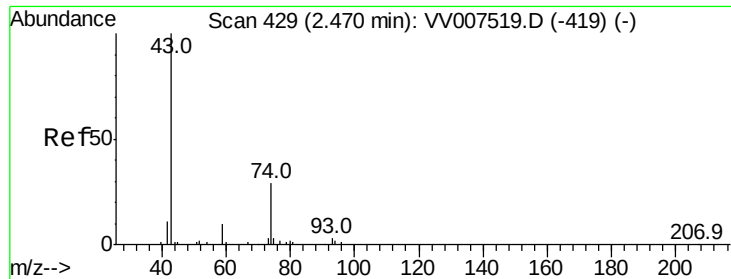
Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

Tgt Ion: 43 Resp: 7626

Ion	Ratio	Lower	Upper
43	100		
58	34.0	0.0	63.4

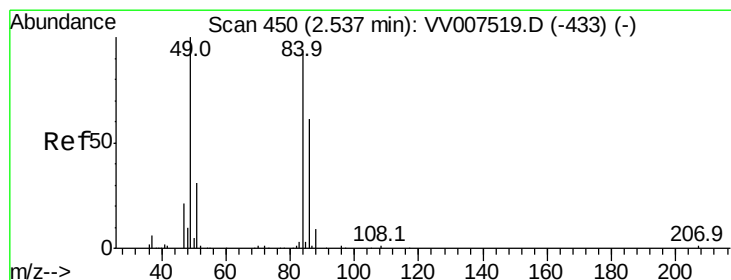
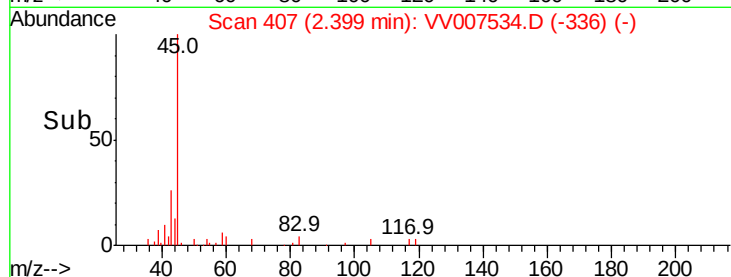
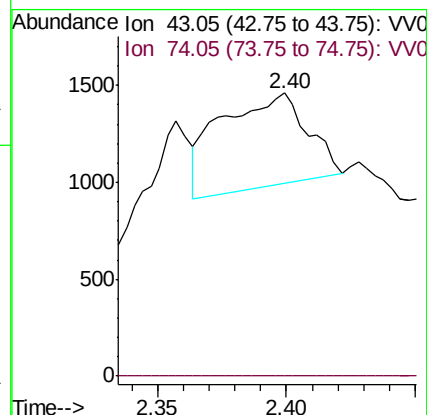
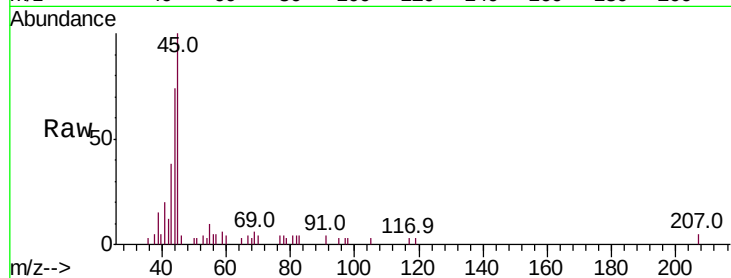




#15
Methyl Acetate
Concen: 0.677 ug/L
RT: 2.40 min Scan# 407
Delta R.T. -0.07 min
Lab File: VV007534.D
Acq: 14 Sep 2018 02:27

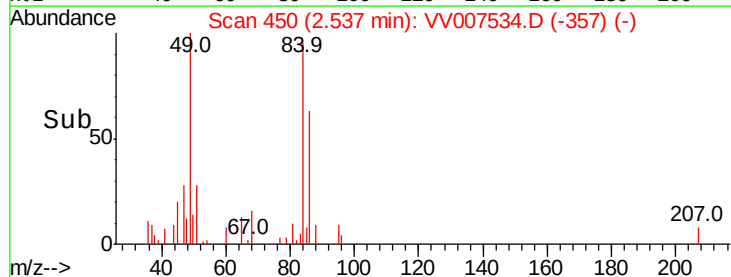
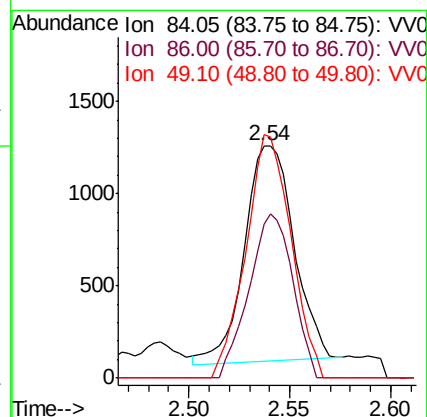
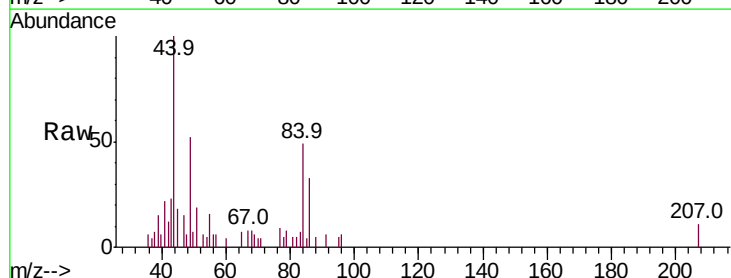
Instrument :
MSVOA_V
ClientSampleId :

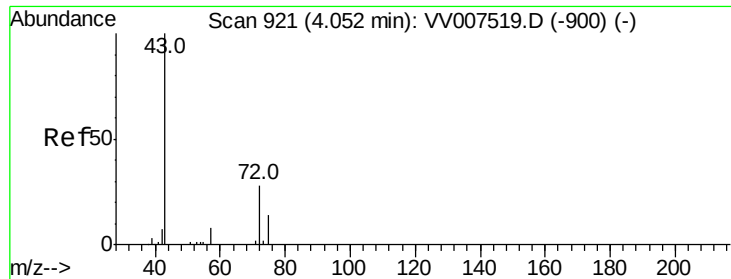
Tot Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#16
Methylene chloride
Concen: 0.288 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007534.D
Acq: 14 Sep 2018 02:27

Tgt Ion: 84 Resp: 2003
Ion Ratio Lower Upper
84 100
86 66.0 43.7 81.1
49 104.8 76.8 142.6





#21

2-Butanone

Concen: 1.895 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

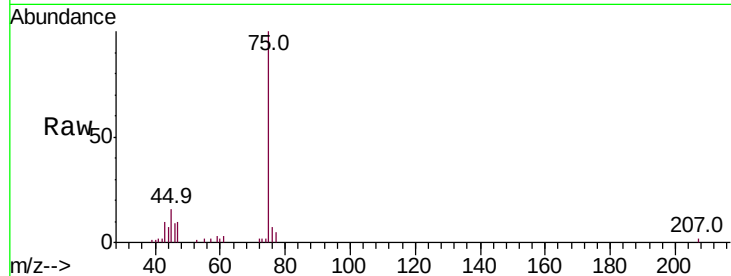
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1919

Ion Ratio Lower Upper

43 100

72 18.0 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VV007519.D (-900) (-)

Ion 72.10 (71.80 to 72.80): VV007519.D (-900) (-)

4.06

1200

1000

800

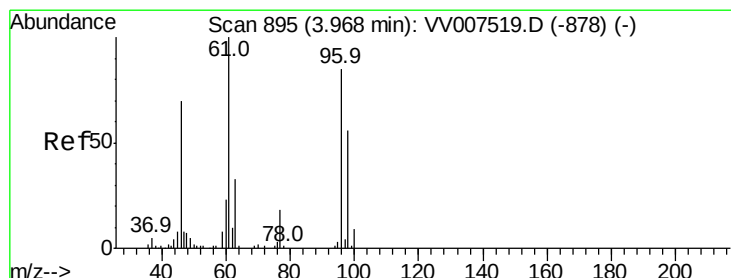
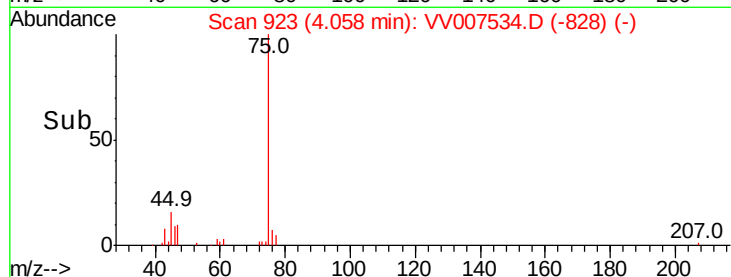
600

400

200

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.945 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

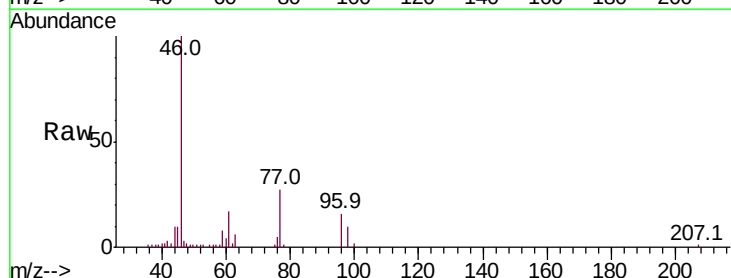
Tgt Ion: 96 Resp: 6527

Ion Ratio Lower Upper

96 100

61 103.6 85.3 158.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007519.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV007519.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV007519.D (-878) (-)

4000

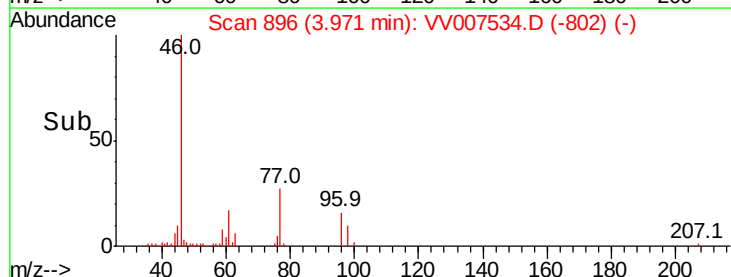
3000

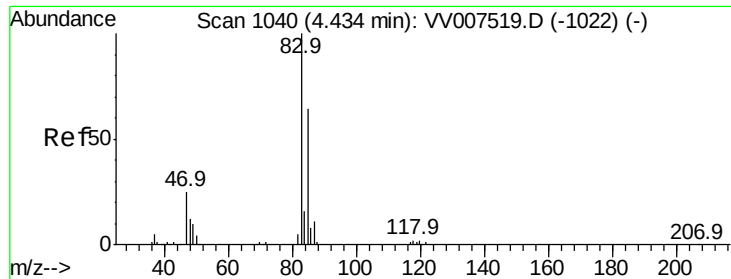
2000

1000

0

Time-->

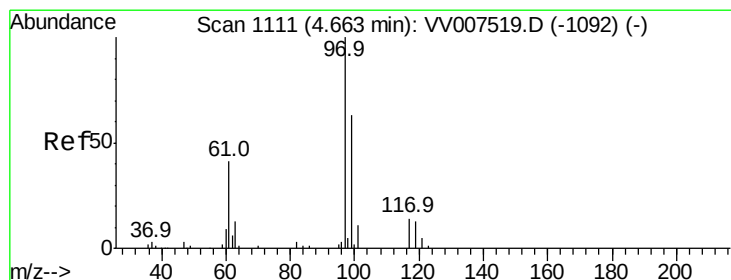
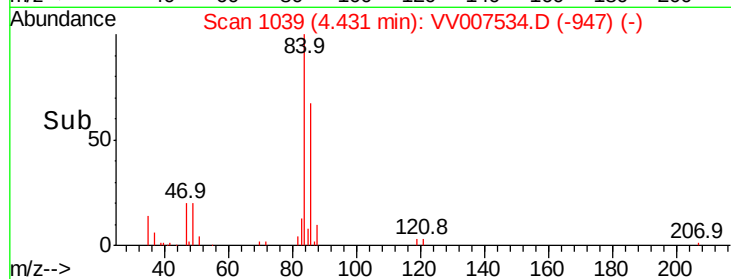
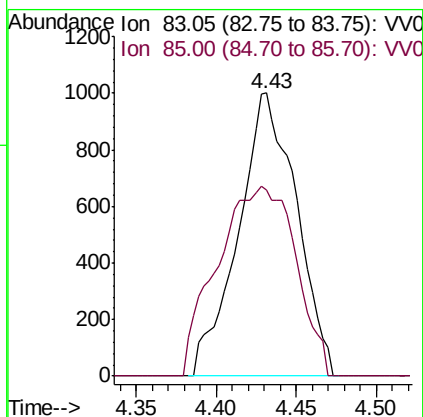
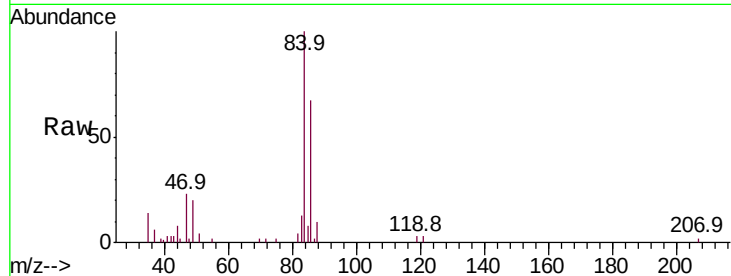




#25
Chloroform
Concen: 0.214 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007534.D
Acq: 14 Sep 2018 02:27

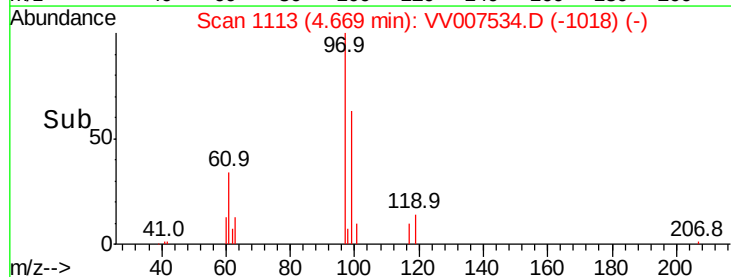
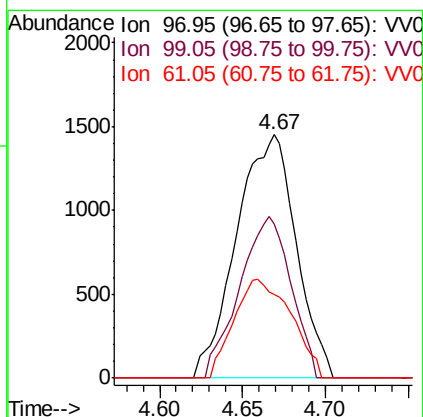
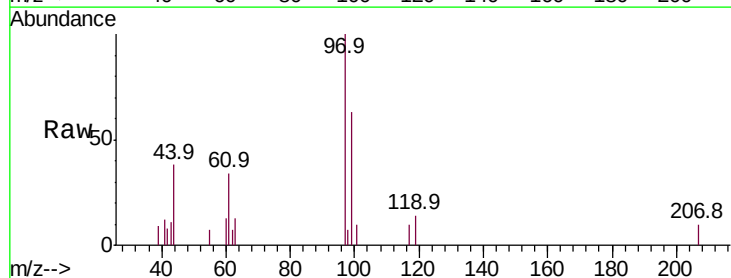
Instrument :
MSVOA_V
ClientSampled :

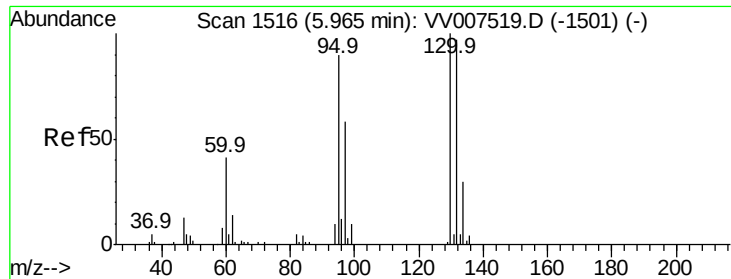
Tot Ion: 83 Resp: 2498
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5



#29
1,1,1-Trichloroethane
Concen: 0.327 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VV007534.D
Acq: 14 Sep 2018 02:27

Tgt Ion: 97 Resp: 3628
Ion Ratio Lower Upper
97 100
99 57.4 50.7 76.1
61 39.0 32.5 48.7

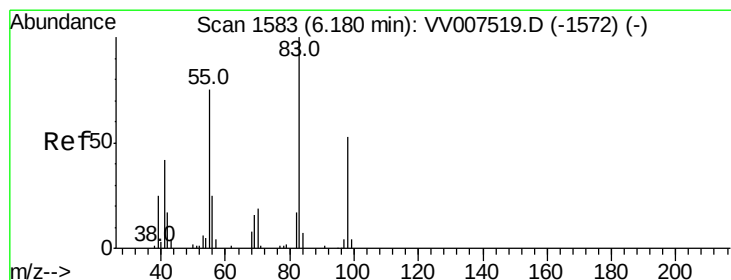
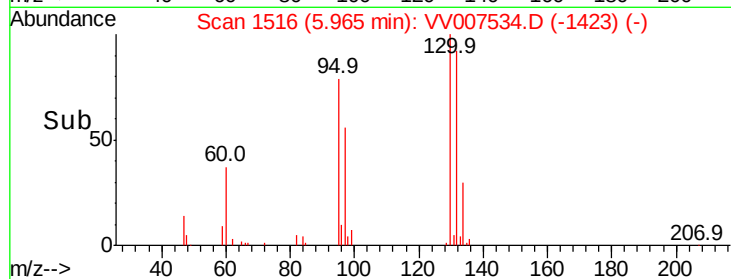
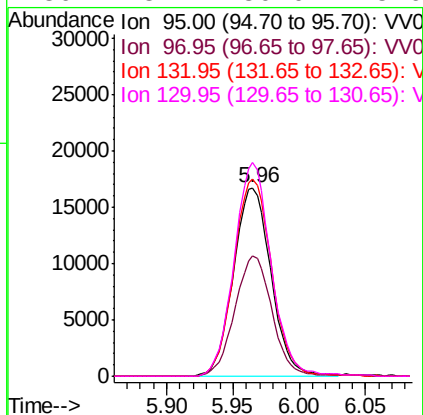
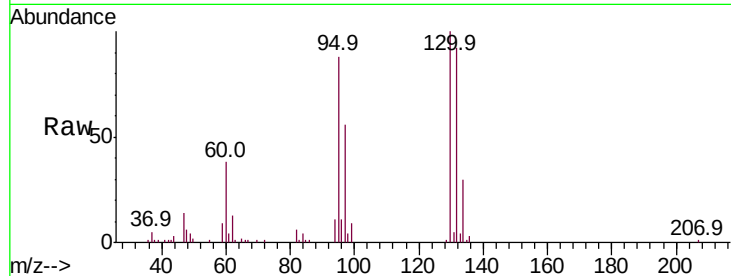




#34
 Trichloroethene
 Concen: 4.571 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007534.D
 Acq: 14 Sep 2018 02:27

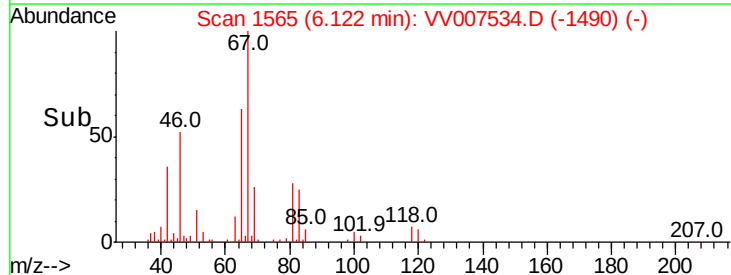
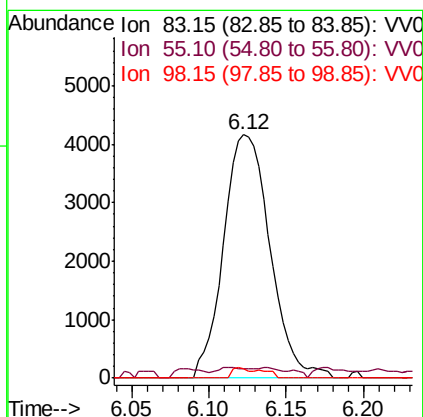
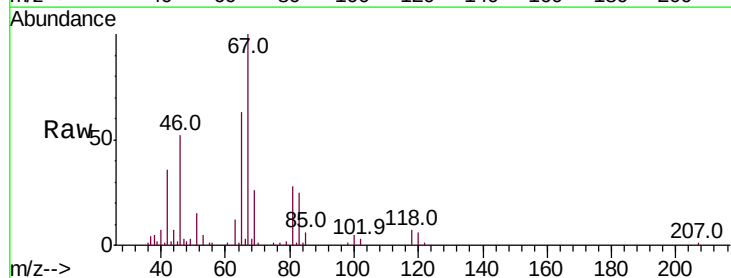
Instrument :
 MSVOA_V
 ClientSampleId :

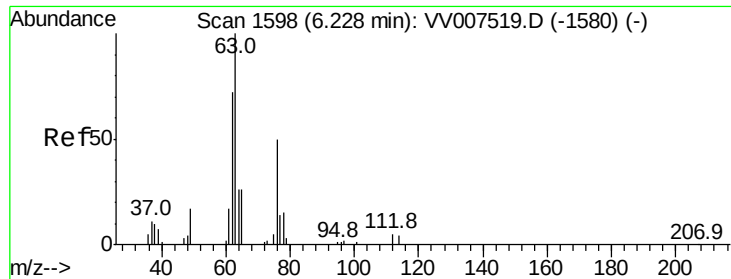
Tot Ion:	95	Resp:	33029
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.5	84.5
132	104.4	74.9	139.1
130	113.4	80.0	148.6



#35
 Methylcyclohexane
 Concen: 0.779 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.06 min
 Lab File: VV007534.D
 Acq: 14 Sep 2018 02:27

Tgt Ion:	83	Resp:	8688
Ion	Ratio	Lower	Upper
83	100		
55	2.2	55.0	82.4#
98	1.7	37.6	56.4#

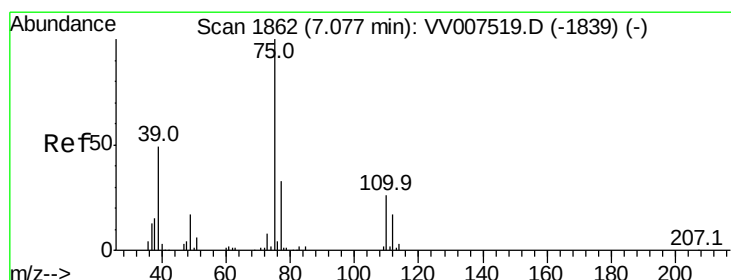
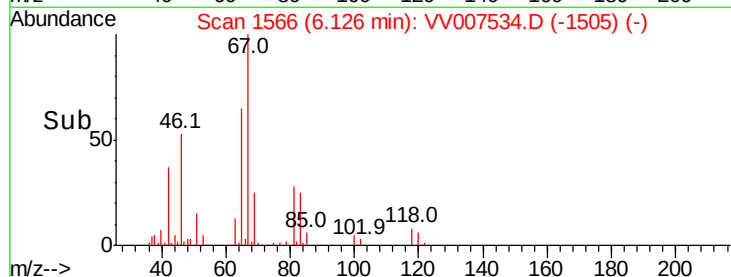
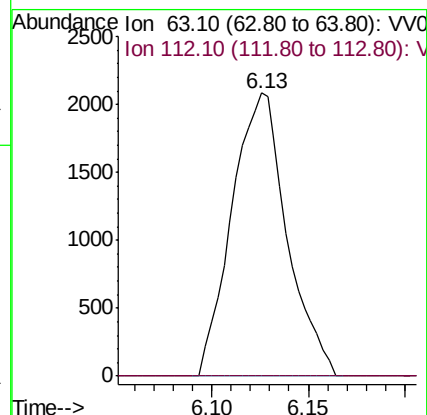
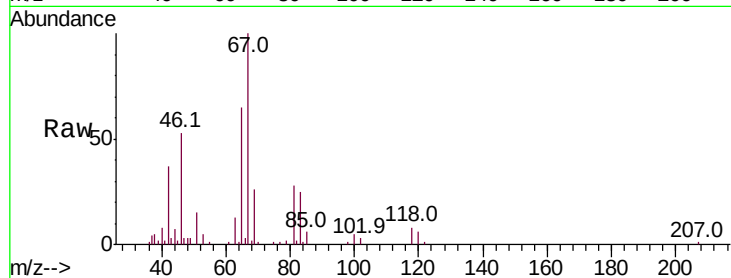




#37
 1,2-Dichloropropane
 Concen: 0.711 ug/L
 RT: 6.13 min Scan# 1566
 Delta R.T. -0.10 min
 Lab File: VV007534.D
 Acq: 14 Sep 2018 02:27

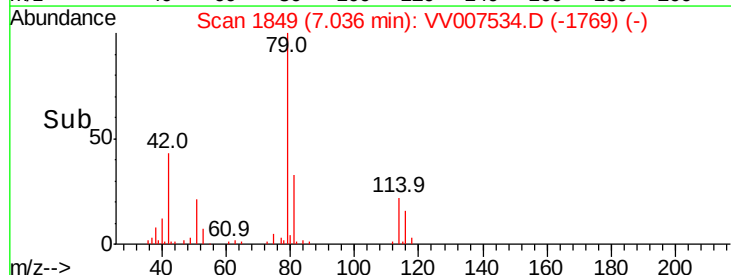
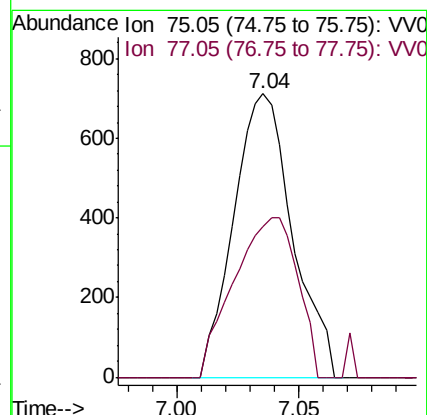
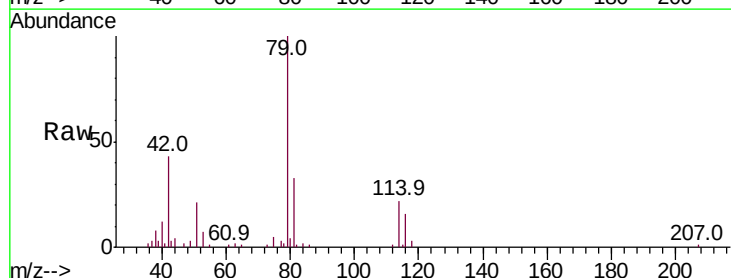
Instrument :
 MSVOA_V
 ClientSampleId :

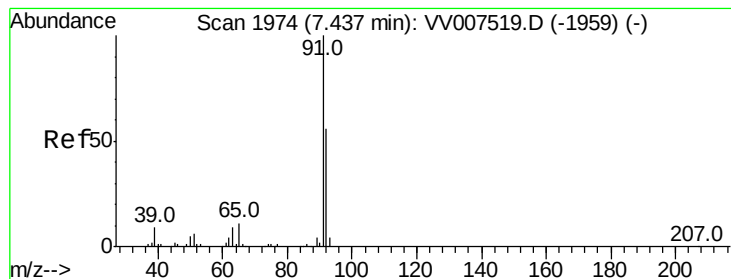
Tot Ion: 63 Resp: 4129
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007534.D
 Acq: 14 Sep 2018 02:27

Tgt Ion: 75 Resp: 1187
 Ion Ratio Lower Upper
 75 100
 77 53.1 22.0 41.0#





#42

Toluene

Concen: 0.252 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

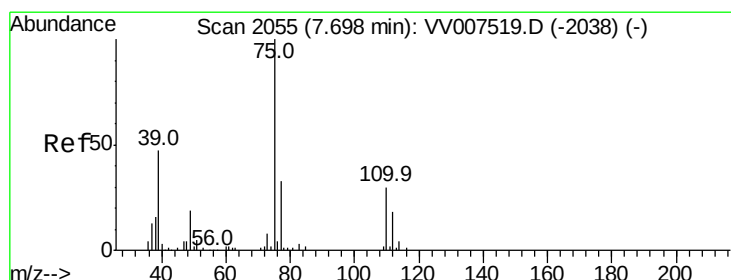
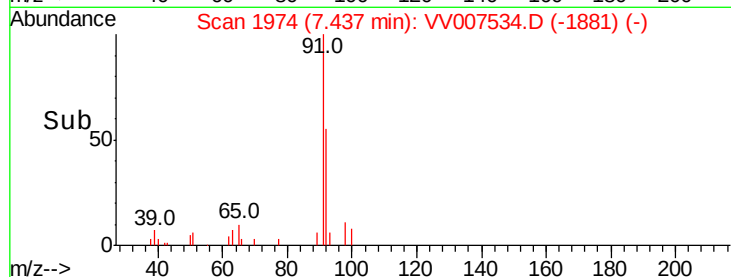
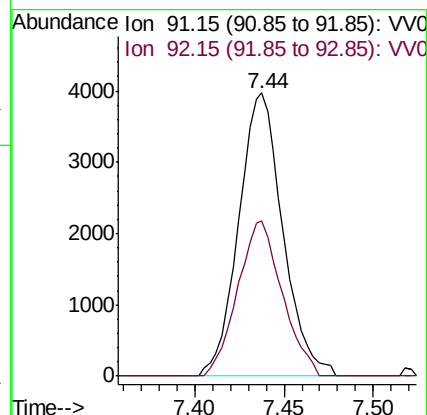
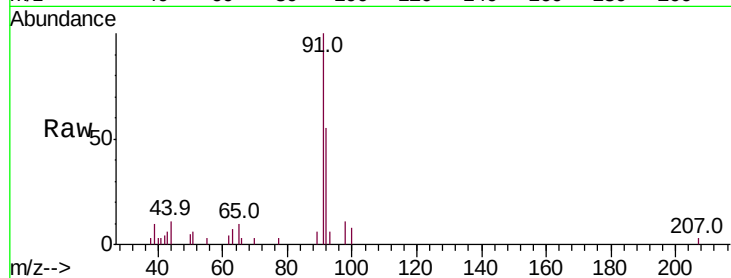
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 6846

Ion Ratio Lower Upper

91 100

92 55.1 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.03 min

Lab File: VV007534.D

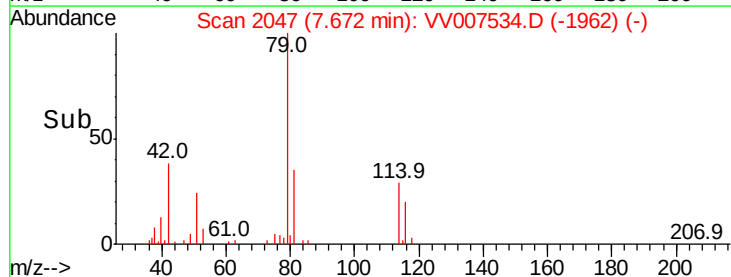
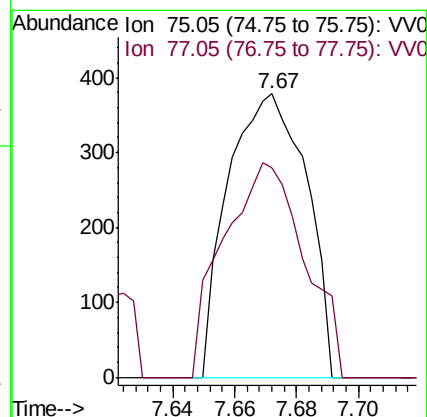
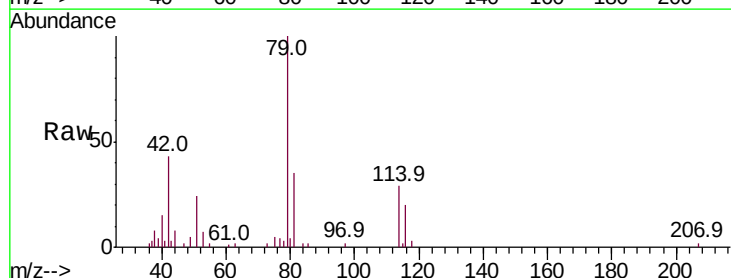
Acq: 14 Sep 2018 02:27

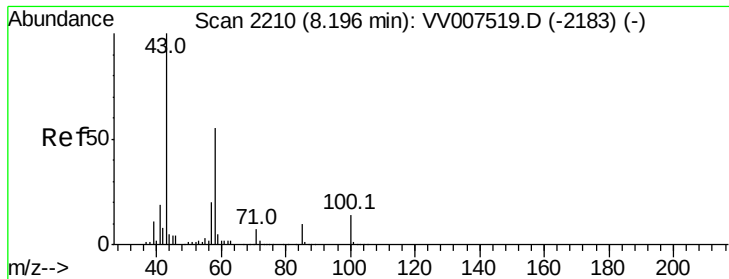
Tgt Ion: 75 Resp: 666

Ion Ratio Lower Upper

75 100

77 74.1 23.4 43.4#

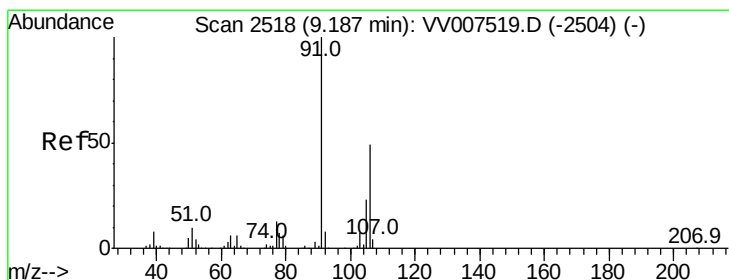
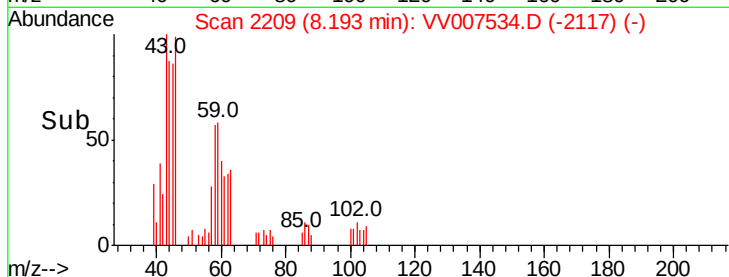
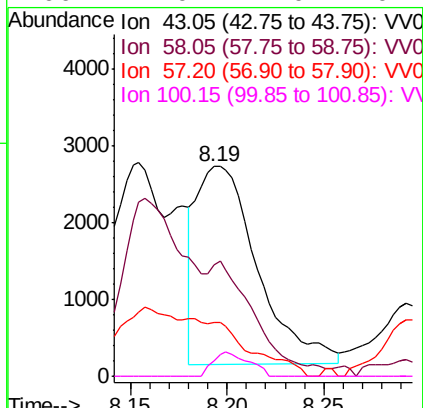
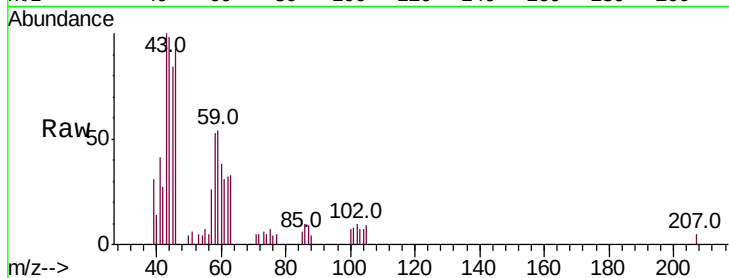




#48
2-Hexanone
Concen: 2.322 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007534.D
Acq: 14 Sep 2018 02:27

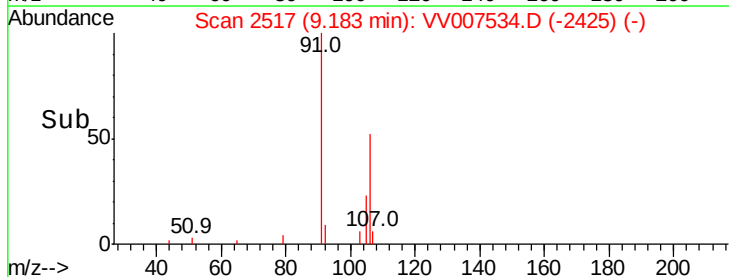
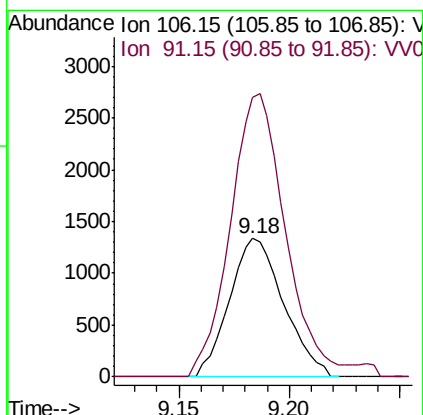
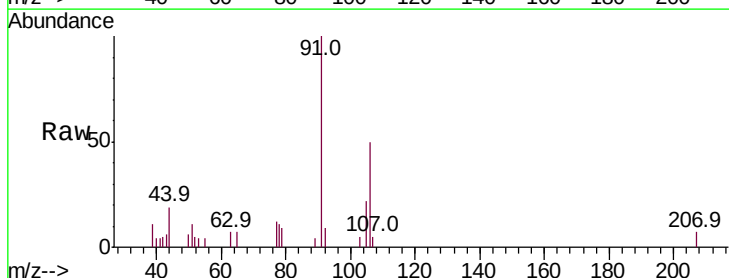
Instrument :
MSVOA_V
ClientSampleId :

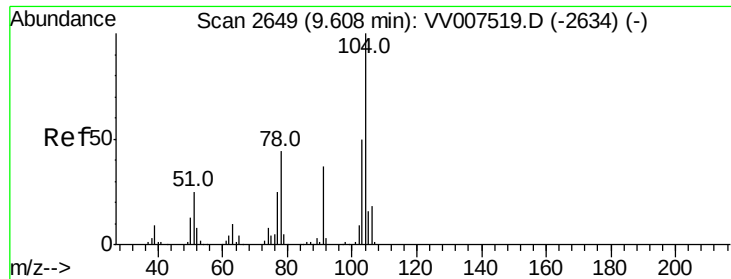
Tot Ion: 43 Resp: 5651
Ion Ratio Lower Upper
43 100
58 0.0 49.8 74.6#
57 0.0 18.2 27.4#
100 7.0 11.0 16.4#



#53
m,p-xylene
Concen: 0.192 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007534.D
Acq: 14 Sep 2018 02:27

Tgt Ion: 106 Resp: 2281
Ion Ratio Lower Upper
106 100
91 201.9 137.2 254.8





#55

Stvrene

Concen: 0.348 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

Instrument :

MSVOA_V

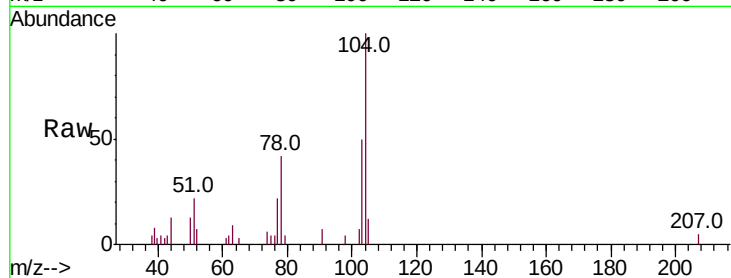
ClientSampled :

Tot Ion:104 Resp: 6588

Ion Ratio Lower Upper

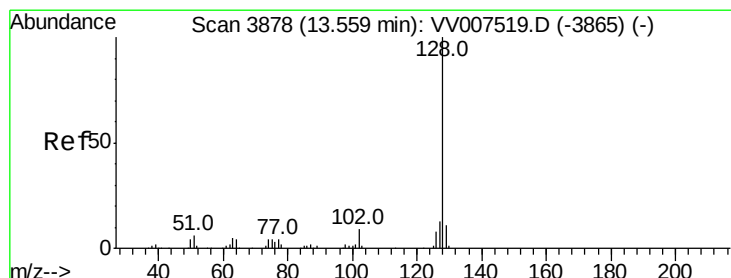
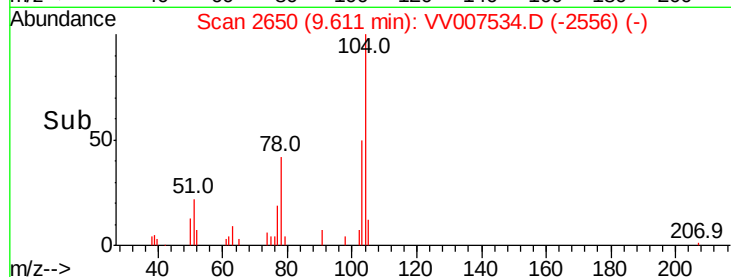
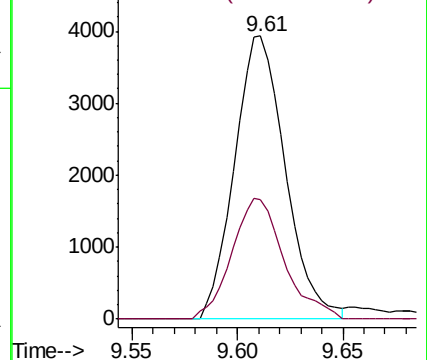
104 100

78 42.4 29.5 54.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#69

Naphthalene

Concen: 0.089 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007534.D

Acq: 14 Sep 2018 02:27

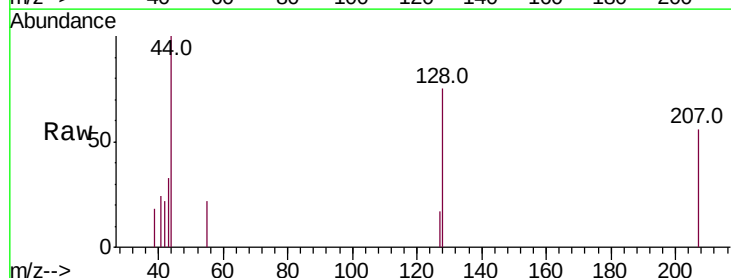
Tgt Ion:128 Resp: 907

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 4.7 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

