

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008284.D
 Acq On : 15 Oct 2018 19:40
 Operator : SY/MD
 Sample : J5407-07
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 05:25:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 05:17:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	68290	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	59785	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	23194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19644	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	13501	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.14	63	27150	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.96	46	60278	46.57	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.14%
24) Chloroform-d	4.41	84	38299	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.09	65	19558	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.10	84	81021	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.12	67	27751	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	73563	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.67	79	10276	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.14	63	39083	46.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.00%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	17975	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	20799	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	6568	1.293	ug/L	94
8) Chloroethane	1.60	64	494	0.187	ug/L #	46
12) 1,1-Dichloroethene	2.15	96	1215	0.370	ug/L #	1
13) Acetone	2.21	43	1593	2.274	ug/L	98
14) Carbon disulfide	2.32	76	1783	0.158	ug/L #	75
18) trans-1,2-Dichloroethene	2.79	96	40091	11.359	ug/L	92
22) cis-1,2-Dichloroethene	3.97	96	225573	39.584	ug/L #	100
25) Chloroform	4.44	83	3442	0.385	ug/L	99
33) Benzene	5.15	78	2944	0.146	ug/L	100
34) Trichloroethene	5.96	95	1322015	236.793	ug/L	98
35) Methylcyclohexane	6.12	83	6232	0.662	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	2685	0.494	ug/L #	90
38) Bromodichloromethane	6.57	83	555	0.091	ug/L #	82
39) cis-1,3-Dichloropropene	7.03	75	603	0.078	ug/L #	59
47) Tetrachloroethene	8.02	164	4583	1.310	ug/L	96
48) 2-Hexanone	8.19	43	11904	4.892	ug/L #	91
49) Dibromochloromethane	8.02	129	4676	1.216	ug/L #	10

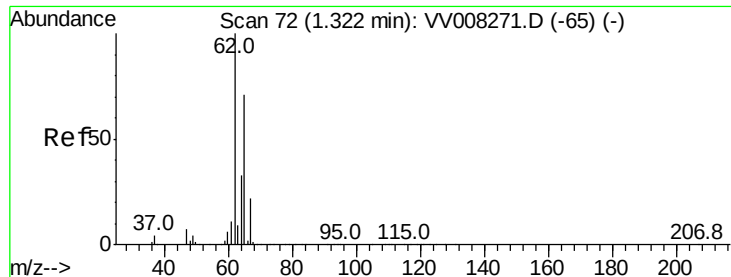
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
Data File : VV008284.D
Acq On : 15 Oct 2018 19:40
Operator : SY/MD
Sample : J5407-07
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 16 05:25:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.93	112	5417	0.434	ug/L	99
62) 1,3-Dichlorobenzene	11.33	146	481	0.061	ug/L #	83

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



#5

Vinyl chloride

Concen: 1.293 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

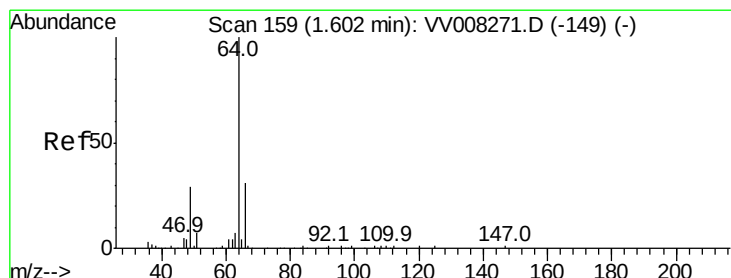
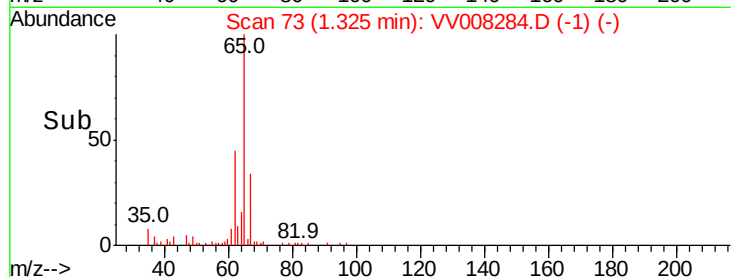
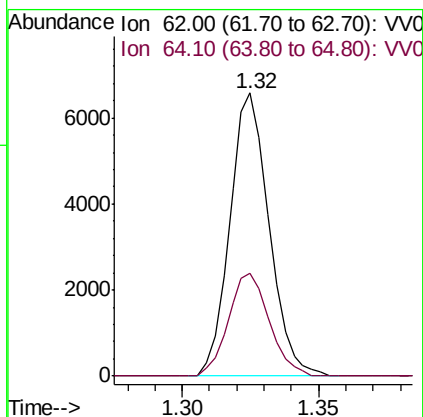
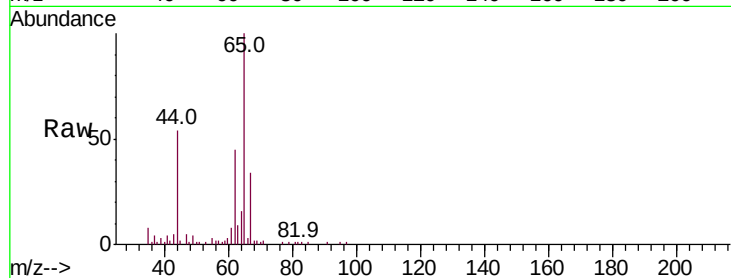
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 6568

Ion Ratio Lower Upper

62 100

64 36.3 22.9 42.5



#8

Chloroethane

Concen: 0.187 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008284.D

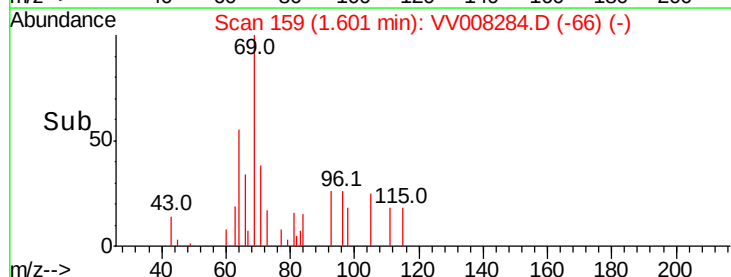
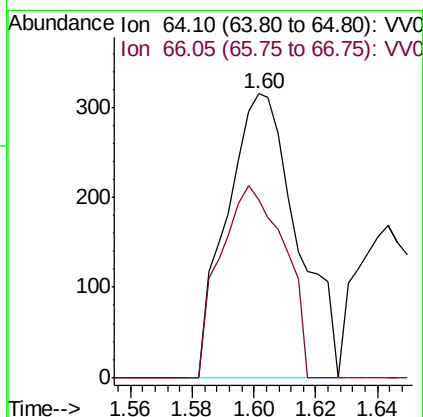
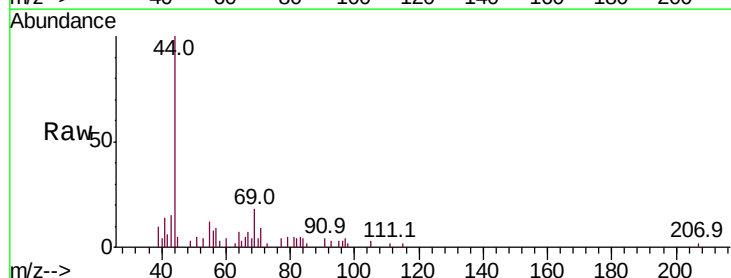
Acq: 15 Oct 2018 19:40

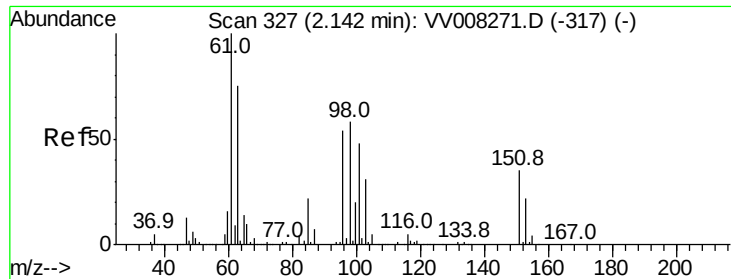
Tgt Ion: 64 Resp: 494

Ion Ratio Lower Upper

64 100

66 62.5 22.5 41.9#

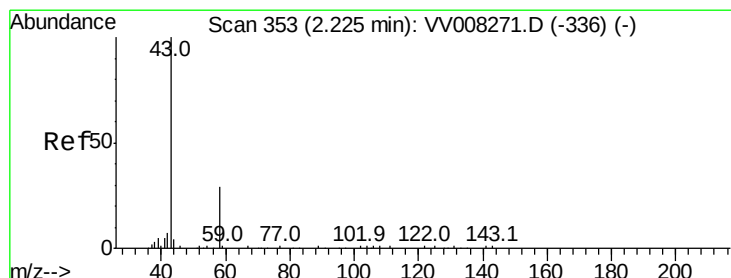
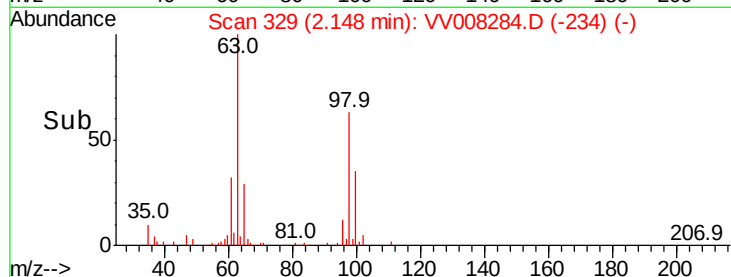
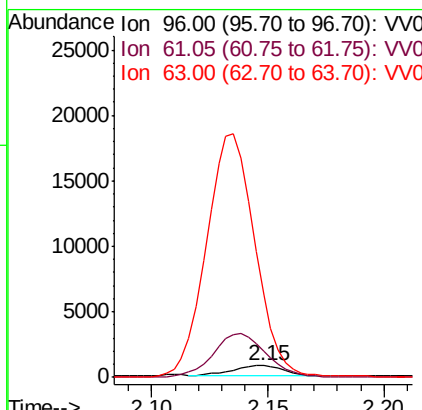
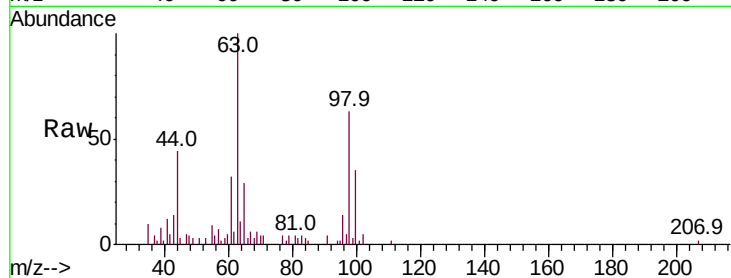




#12
 1,1-Dichloroethene
 Concen: 0.370 ug/L
 RT: 2.15 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VV008284.D
 Acq: 15 Oct 2018 19:40

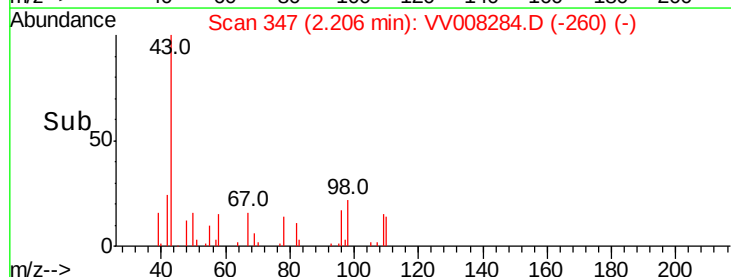
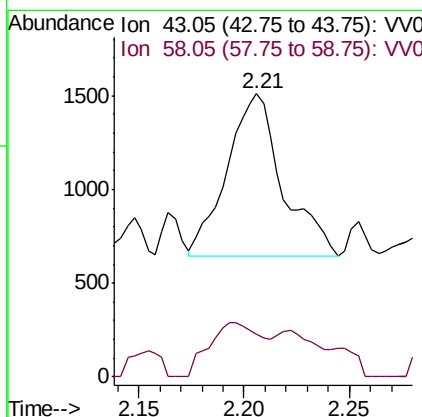
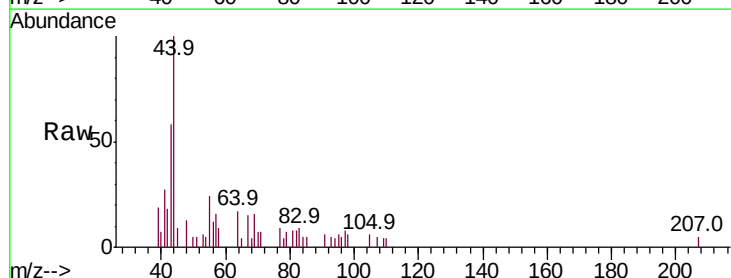
Instrument :
 MSVOA_V
 ClientSampled :

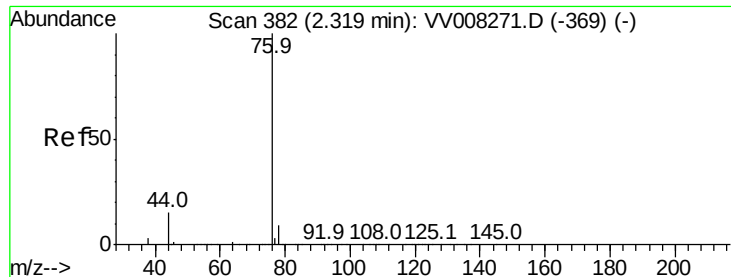
Tot Ion	Ratio	Lower	Upper
96	100		
61	224.2	129.9	241.3
63	697.8	103.0	191.4#



#13
 Acetone
 Concen: 2.274 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VV008284.D
 Acq: 15 Oct 2018 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	0.0	62.0





#14

Carbon disulfide

Concen: 0.158 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

Instrument :

MSVOA_V

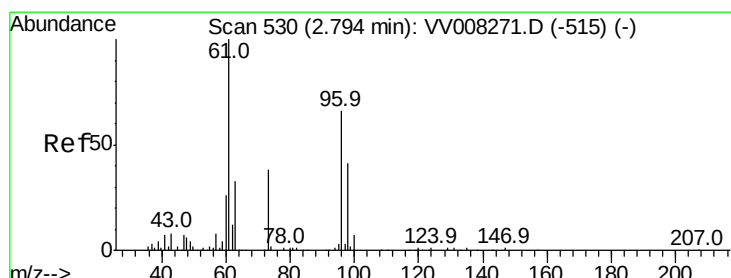
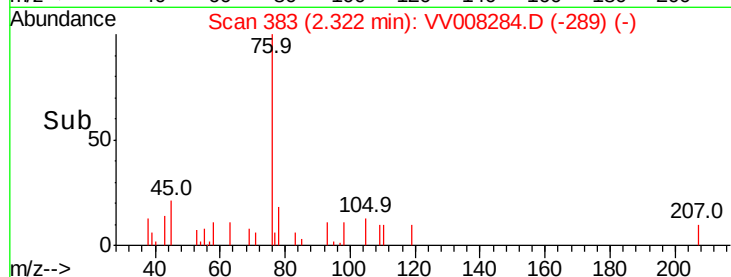
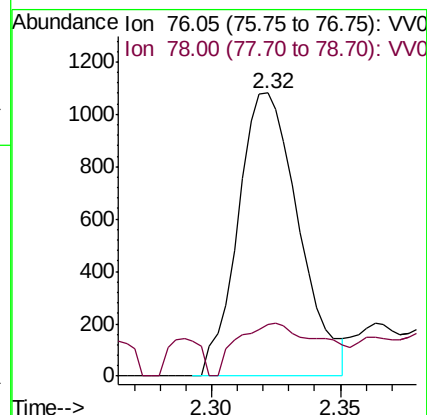
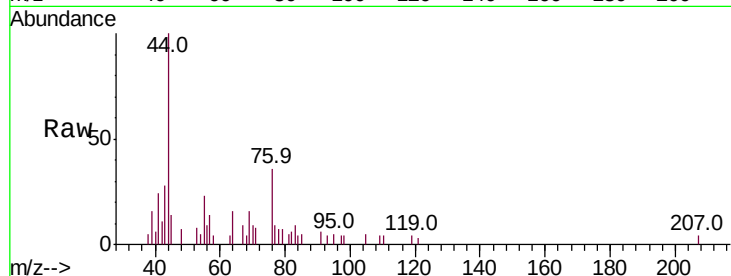
ClientSampleId :

Tot Ion: 76 Resp: 1783

Ion Ratio Lower Upper

76 100

78 18.4 7.4 11.2#



#18

trans-1,2-Dichloroethene

Concen: 11.359 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

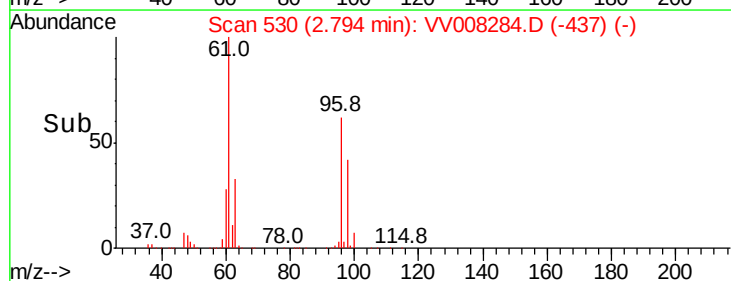
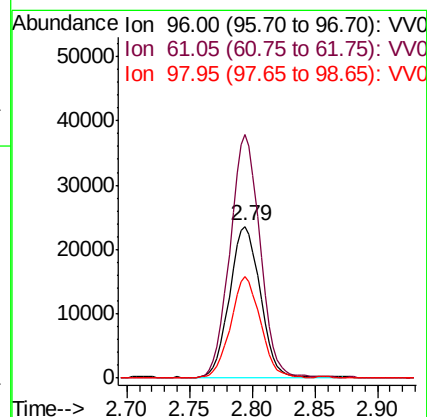
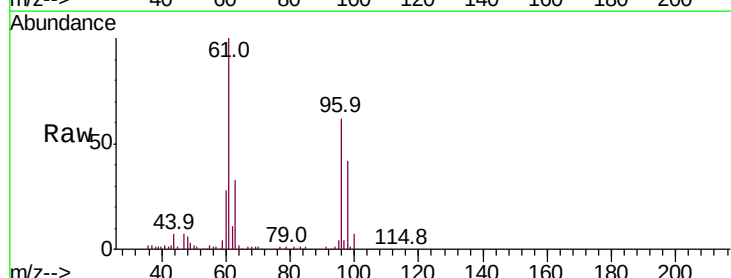
Tgt Ion: 96 Resp: 40091

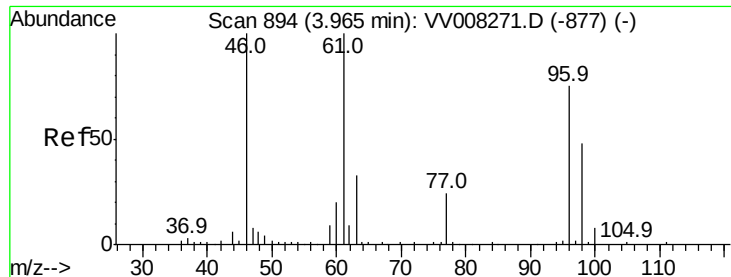
Ion Ratio Lower Upper

96 100

61 160.5 104.6 194.2

98 67.2 44.1 81.9



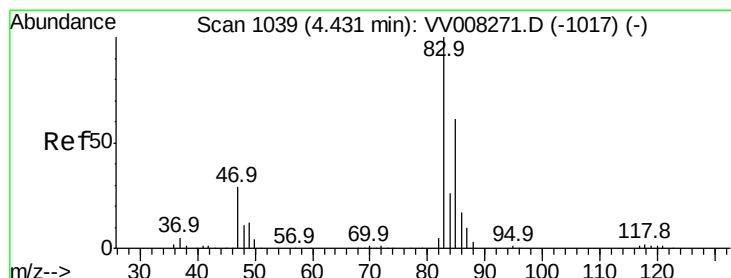
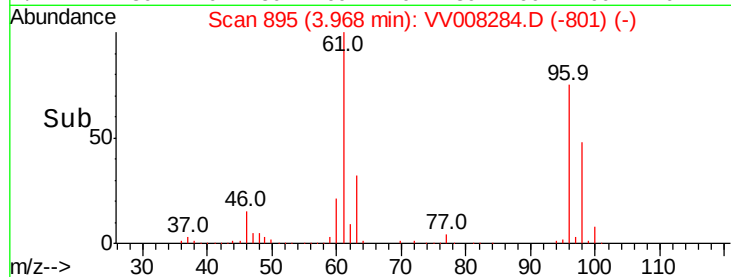
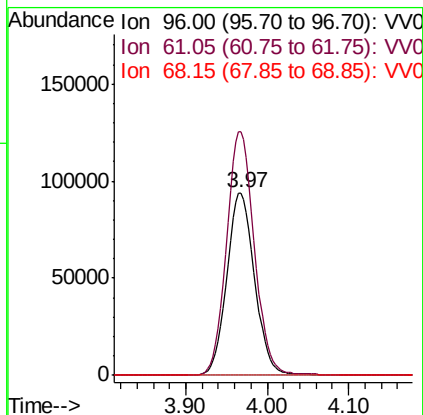
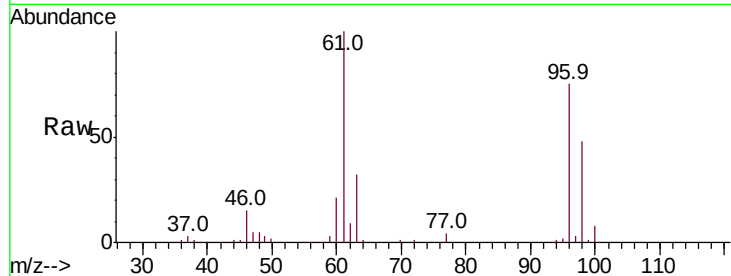


#22

cis-1,2-Dichloroethene
 Concen: 39.584 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008284.D
 Acq: 15 Oct 2018 19:40

Instrument :
 MSVOA_V
 ClientSampleId :

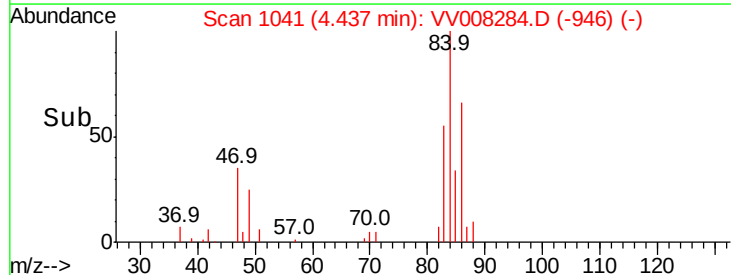
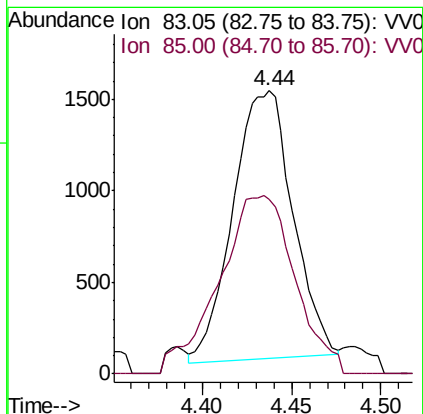
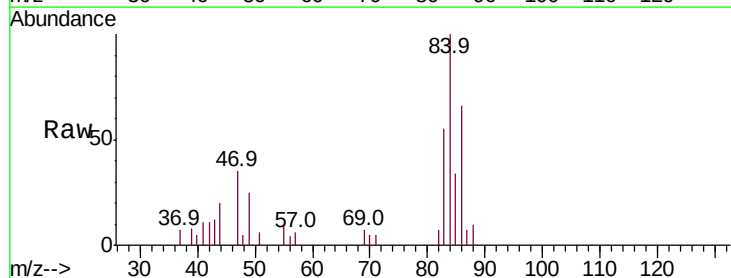
Tot Ion: 96 Resp: 225573
 Ion Ratio Lower Upper
 96 100
 61 133.4 93.7 174.1
 68 0.0 0.6 1.2#

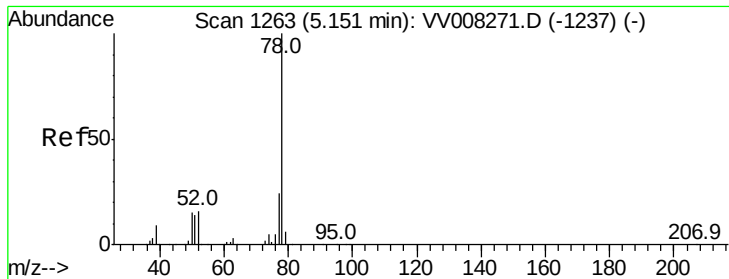


#25

Chloroform
 Concen: 0.385 ug/L
 RT: 4.44 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VV008284.D
 Acq: 15 Oct 2018 19:40

Tgt Ion: 83 Resp: 3442
 Ion Ratio Lower Upper
 83 100
 85 61.5 43.4 80.6





#33

Benzene

Concen: 0.146 ug/L

RT: 5.15 min Scan# 1263

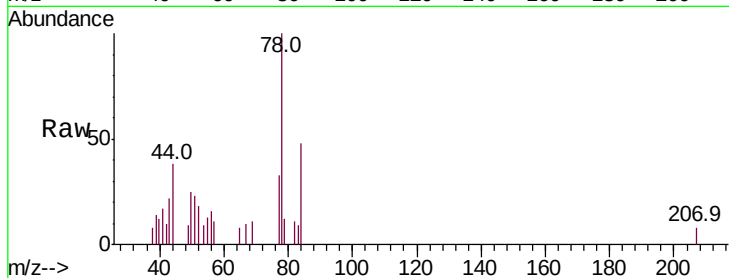
Delta R.T. -0.00 min

Lab File: VV008284.D

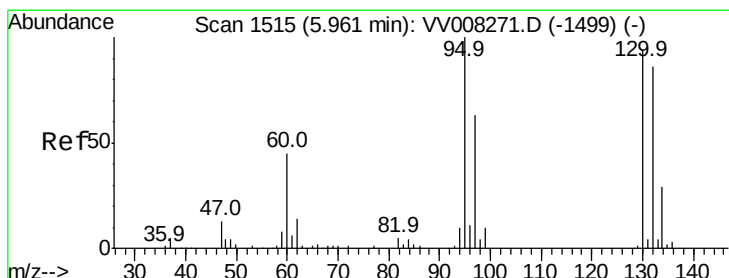
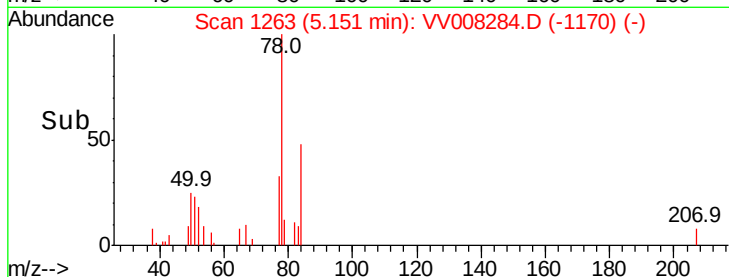
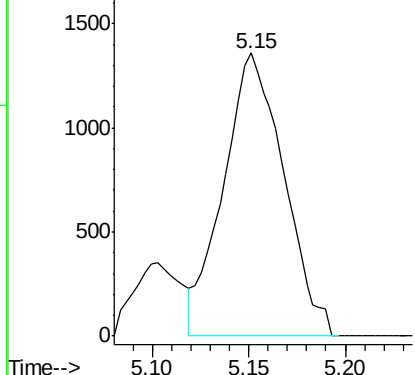
Acq: 15 Oct 2018 19:40

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 2944



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 236.793 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

Tgt Ion: 95 Resp: 1322015

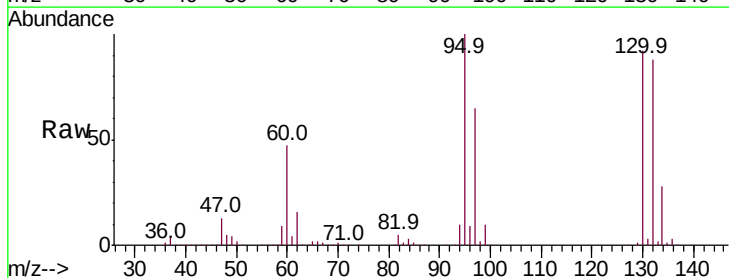
Ion Ratio Lower Upper

95 100

97 64.5 44.4 82.4

132 88.1 60.4 112.2

130 91.7 65.5 121.7

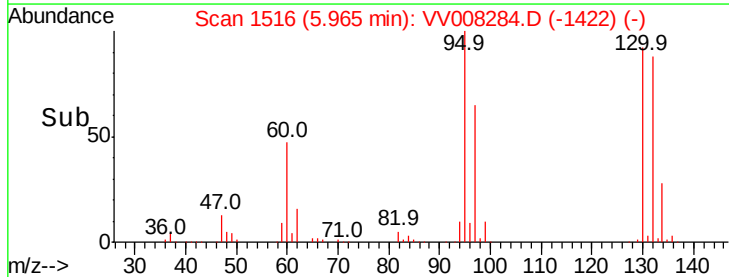
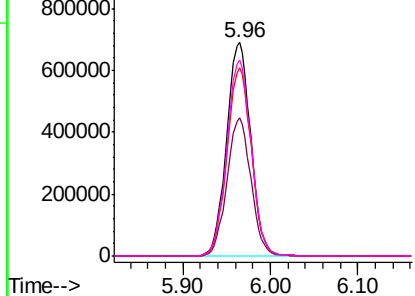


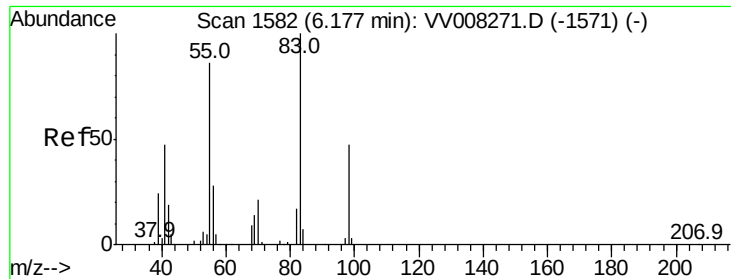
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

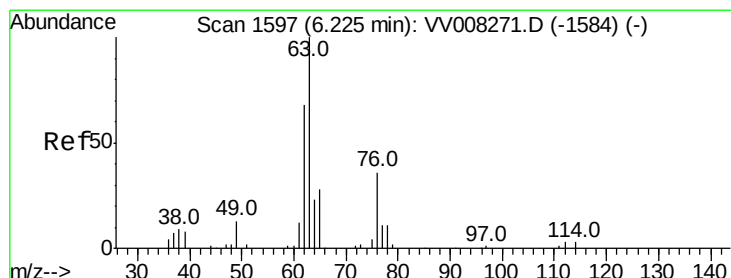
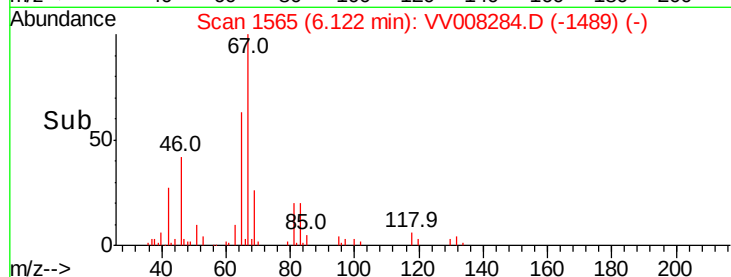
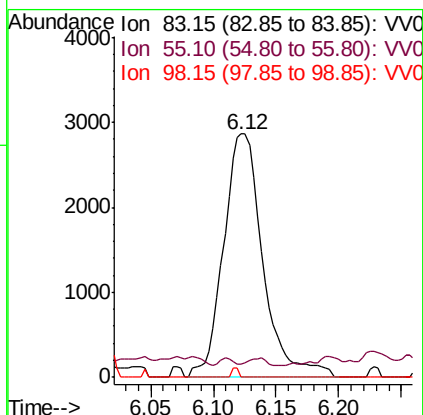
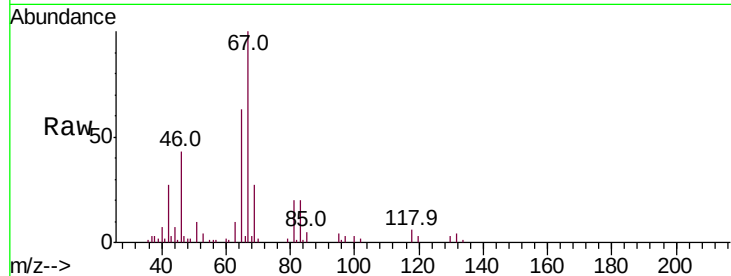




#35
Methvlcvclohexane
Concen: 0.662 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008284.D
Acq: 15 Oct 2018 19:40

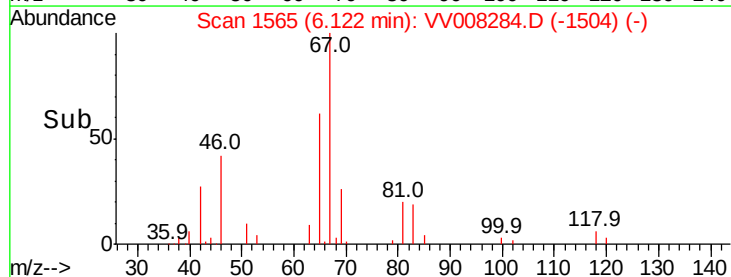
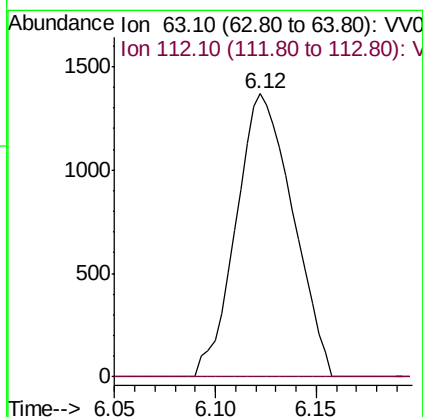
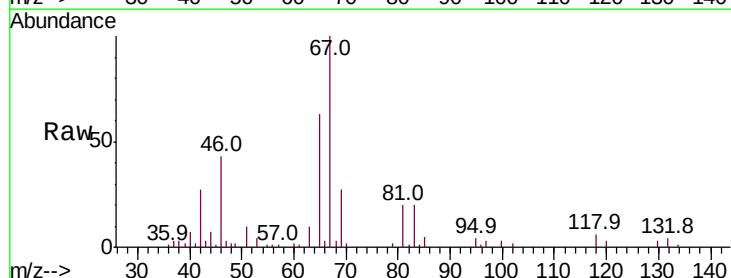
Instrument :
MSVOA_V
ClientSampleId :

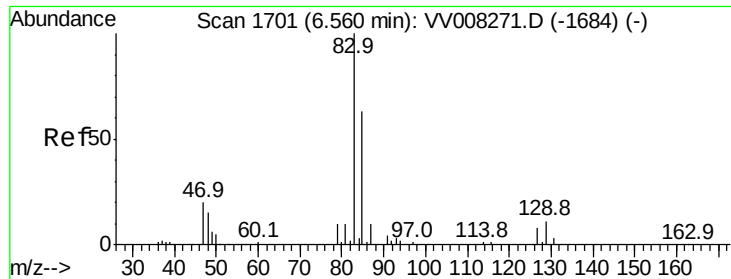
Tot Ion: 83 Resp: 6232
Ion Ratio Lower Upper
83 100
55 1.1 64.0 96.0#
98 0.0 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.494 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008284.D
Acq: 15 Oct 2018 19:40

Tgt Ion: 63 Resp: 2685
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#





#38

Bromodichloromethane

Concen: 0.091 ug/L

RT: 6.57 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

Instrument :

MSVOA_V

ClientSampleId :

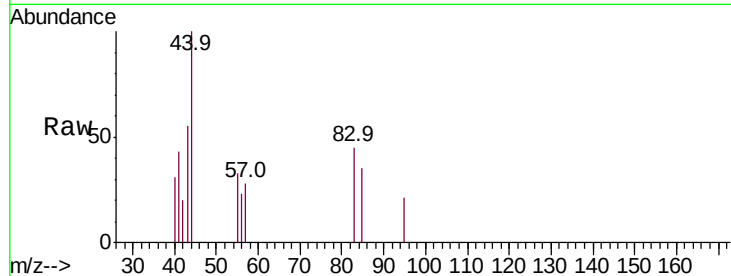
Tot Ion: 83 Resp: 555

Ion Ratio Lower Upper

83 100

85 77.1 44.3 82.3

127 0.0 6.6 10.0#

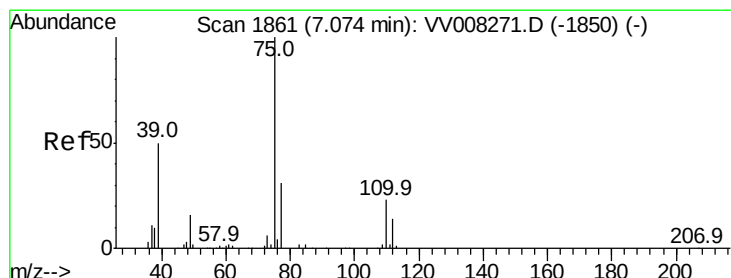
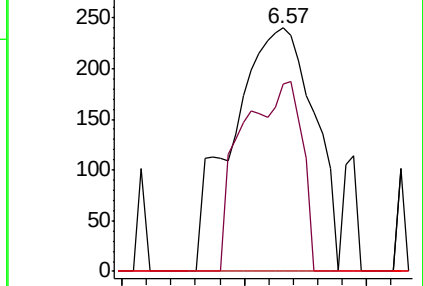
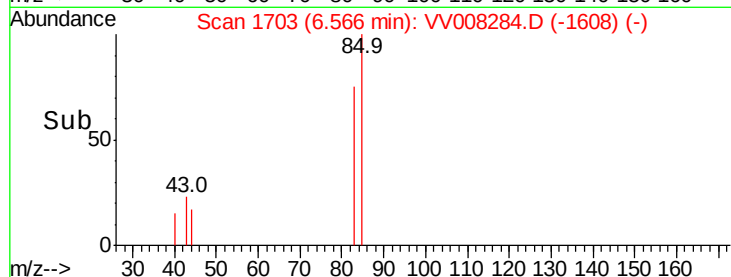


Abundance Ion 82.95 (82.65 to 83.65): VV008284.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV008284.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV008284.D (-1684) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008284.D

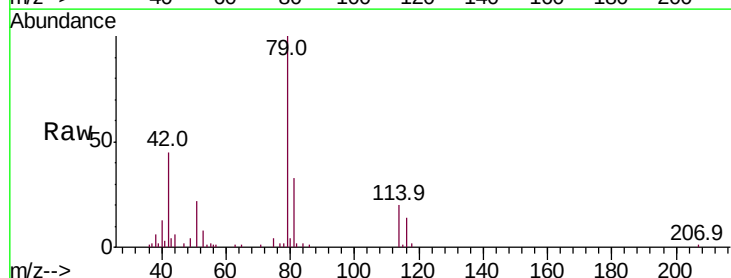
Acq: 15 Oct 2018 19:40

Tgt Ion: 75 Resp: 603

Ion Ratio Lower Upper

75 100

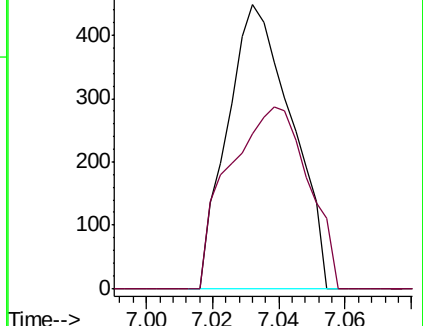
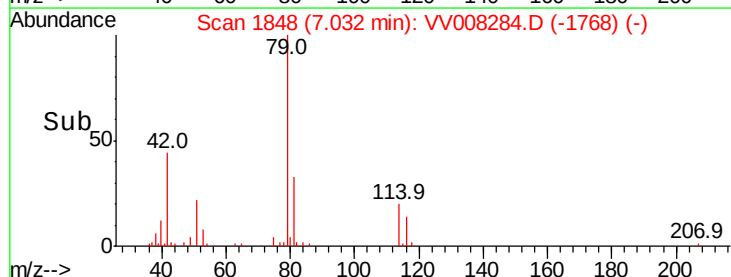
77 54.5 22.3 41.3#

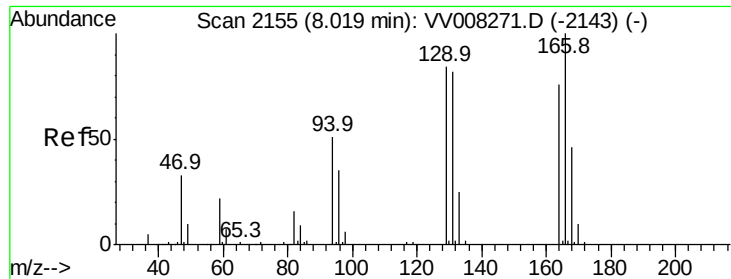


Abundance Ion 75.05 (74.75 to 75.75): VV008284.D (-1768) (-)

Ion 77.05 (76.75 to 77.75): VV008284.D (-1768) (-)

Time-->





#47

Tetrachloroethene

Concen: 1.310 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 4583

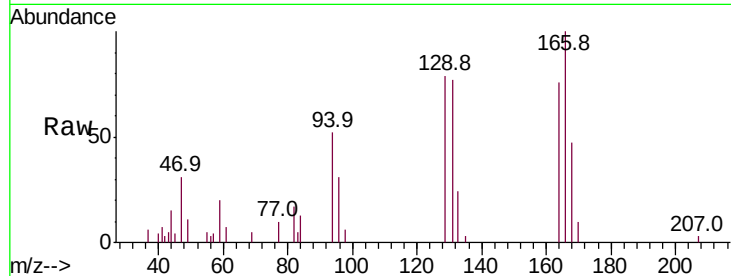
Ion Ratio Lower Upper

164 100

129 104.0 76.5 142.1

131 100.3 74.7 138.7

166 131.1 91.6 170.0

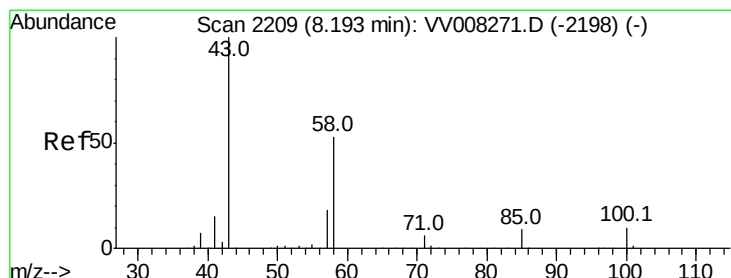
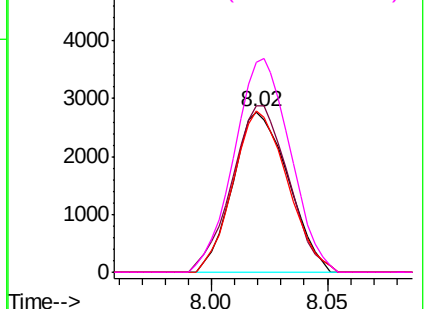
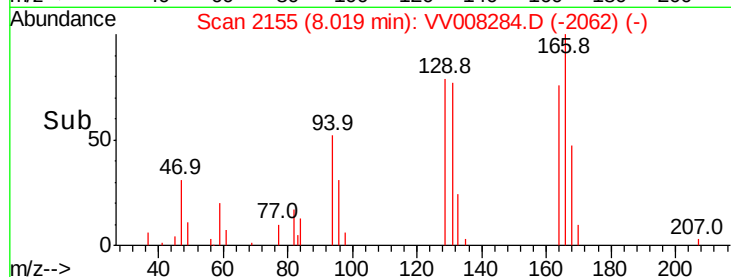


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 4.892 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

Tgt Ion: 43 Resp: 11904

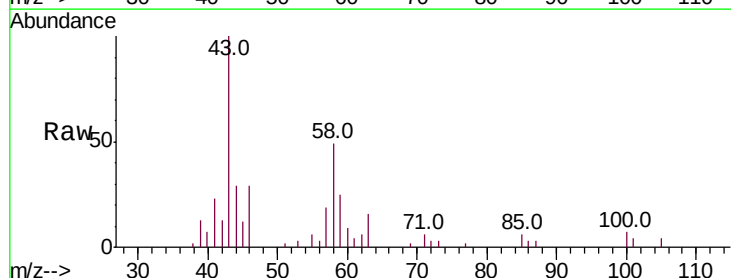
Ion Ratio Lower Upper

43 100

58 49.8 45.0 67.4

57 13.7 14.4 21.6#

100 6.4 7.9 11.9#

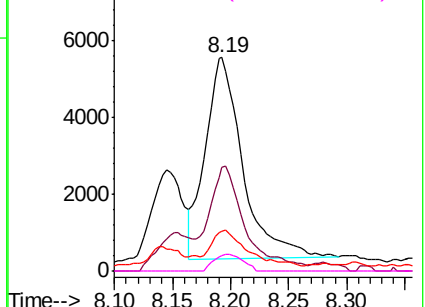
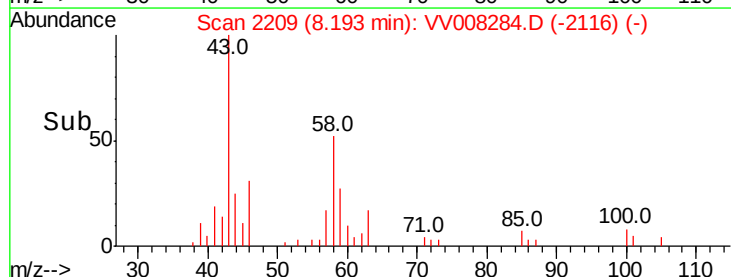


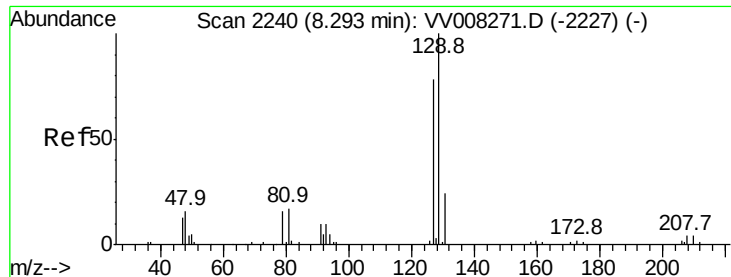
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 1.216 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

Instrument :

MSVOA_V

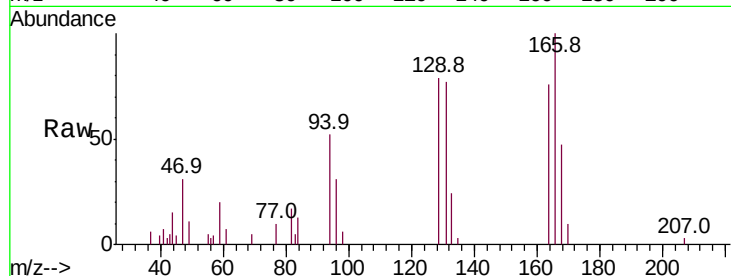
ClientSampleId :

Tot Ion:129 Resp: 4676

Ion Ratio Lower Upper

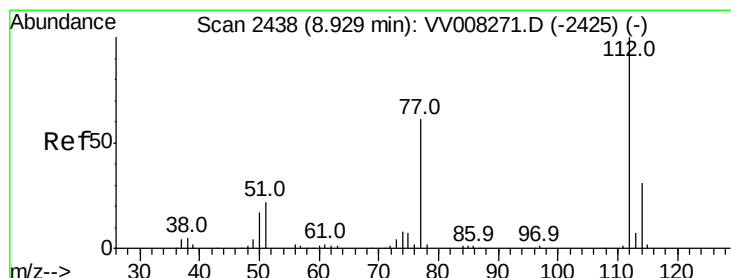
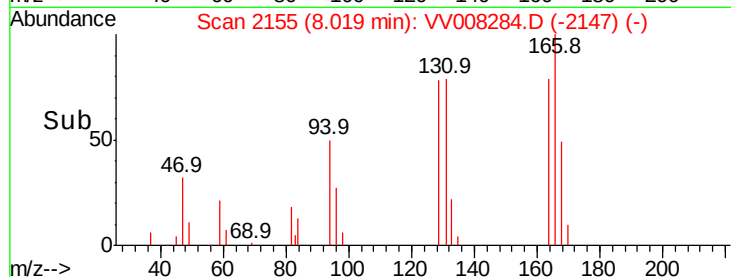
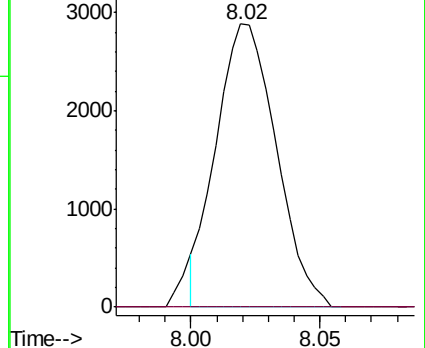
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 0.434 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV008284.D

Acq: 15 Oct 2018 19:40

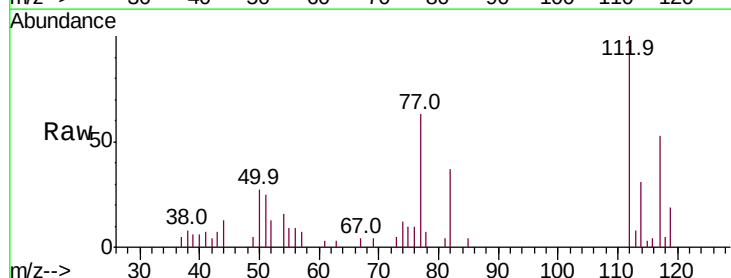
Tgt Ion:112 Resp: 5417

Ion Ratio Lower Upper

112 100

114 30.9 21.6 40.0

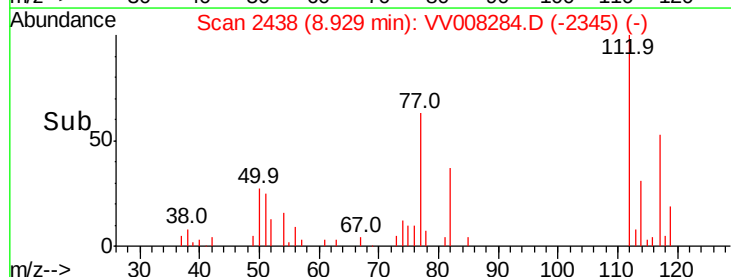
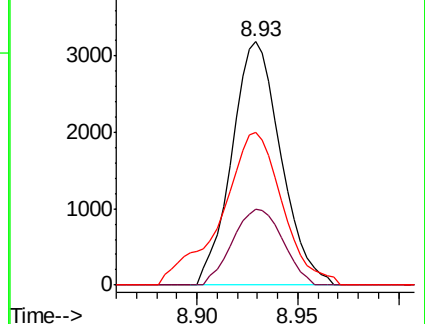
77 63.0 49.7 74.5

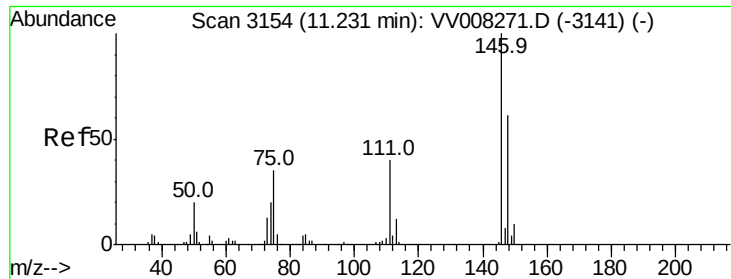


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#62
 1,3-Dichlorobenzene
 Concen: 0.061 ug/L
 RT: 11.33 min Scan# 3184
 Delta R.T. 0.10 min
 Lab File: VV008284.D
 Acq: 15 Oct 2018 19:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 481
 Ion Ratio Lower Upper
 146 100
 111 63.2 28.0 52.0#
 148 63.6 42.9 79.7

