

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008291.D
 Acq On : 16 Oct 2018 11:38
 Operator : SY/MD
 Sample : J5406-02
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH5

Quant Time: Oct 17 02:31:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 02:28:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	87139	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	77739	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	30120	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24777	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.58	69	19176	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	41327	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.98	46	84029	50.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.76%
24) Chloroform-d	4.41	84	50081	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.09	65	26495	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.10	84	110711	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	37084	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	98398	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	13117	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.14	63	47730	43.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22254	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	27951	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1432	0.209	ug/L 99
9) Trichlorofluoromethane	1.77	101	37562	4.765	ug/L 99
12) 1,1-Dichloroethene	2.14	96	9528	2.276	ug/L # 59
13) Acetone	2.23	43	4472	5.004	ug/L 97
15) Methyl Acetate	2.46	43	2826	1.271	ug/L # 50
16) Methylene chloride	2.54	84	828	0.171	ug/L # 59
19) 1,1-Dichloroethane	3.23	63	1155	0.124	ug/L # 55
22) cis-1,2-Dichloroethene	3.96	96	4318	0.594	ug/L # 94
25) Chloroform	4.43	83	4562	0.400	ug/L 88
27) 1,2-Dichloroethane	5.19	62	22970	3.388	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	18322	1.893	ug/L 98
33) Benzene	5.15	78	3564	0.136	ug/L 100
34) Trichloroethene	5.96	95	1140358	157.082	ug/L 98
35) Methylcyclohexane	6.12	83	8541	0.698	ug/L # 17
37) 1,2-Dichloropropane	6.12	63	3877	0.548	ug/L # 90
39) cis-1,3-Dichloropropene	7.04	75	884	0.088	ug/L # 42
47) Tetrachloroethene	8.02	164	77471	17.032	ug/L 95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 17 02:28:08 2018
Response via : Initial Calibration

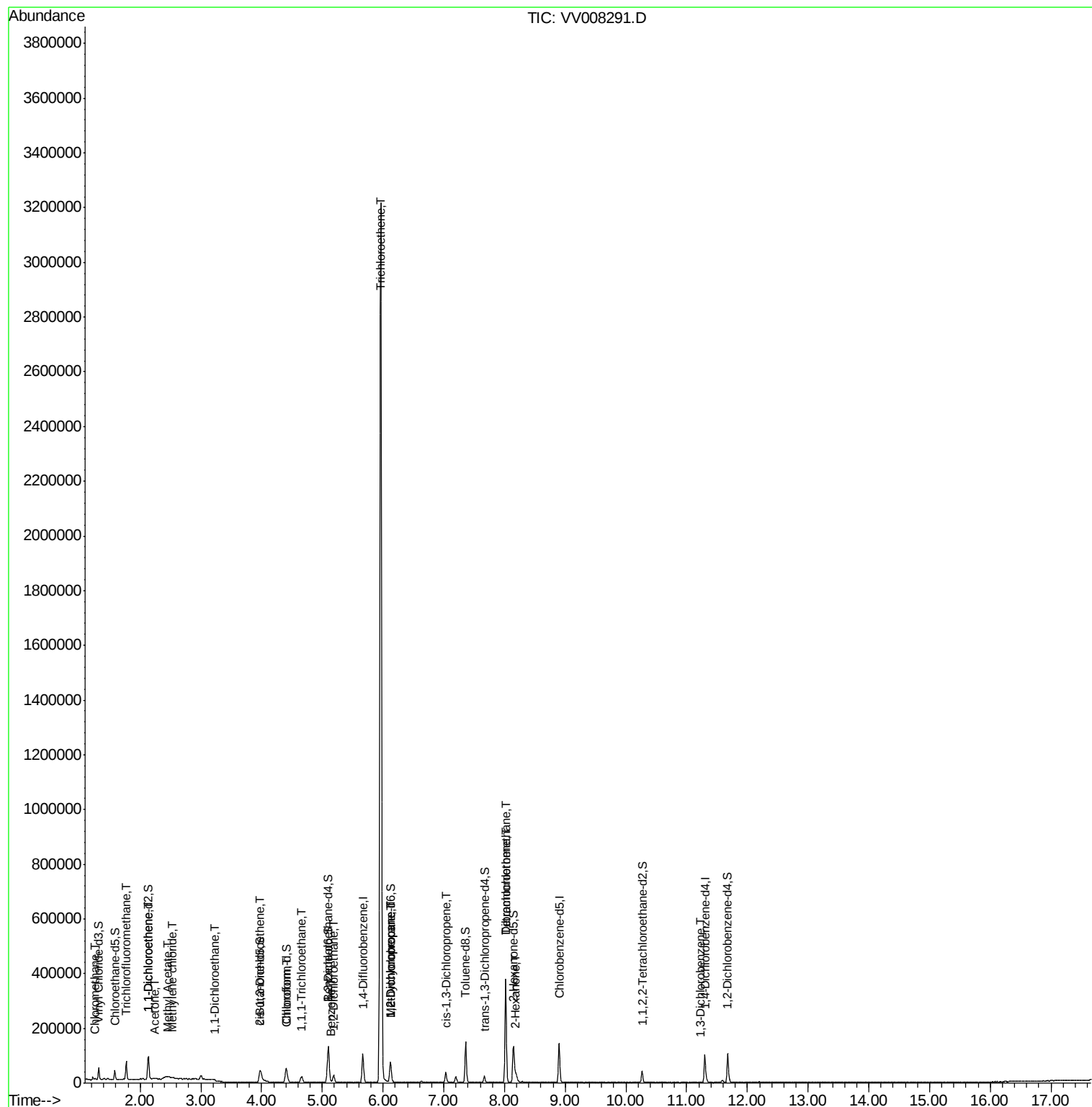
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.19	43	19937	6.301	ug/L #	88
49) Dibromochloromethane	8.02	129	76351	15.265	ug/L #	10
62) 1,3-Dichlorobenzene	11.23	146	1016	0.100	ug/L	88

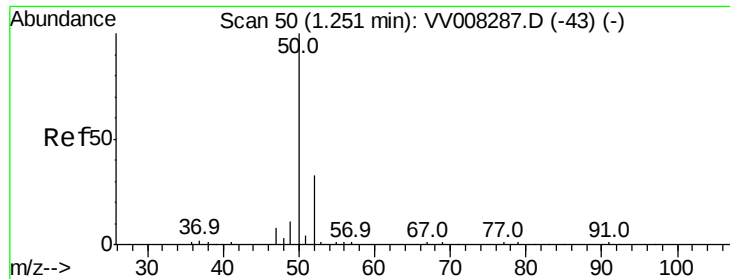
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.209 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampleId :

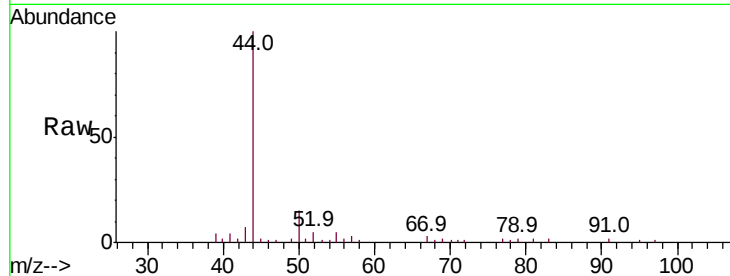
C0AH5

Tot Ion: 50 Resp: 1432

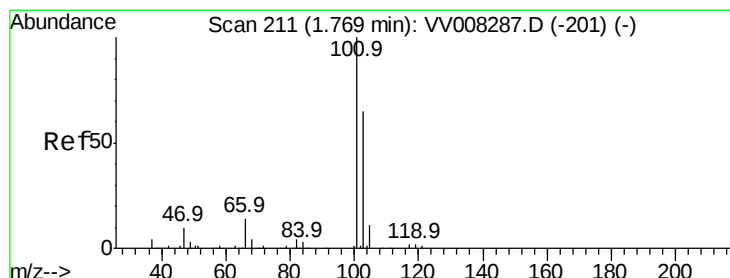
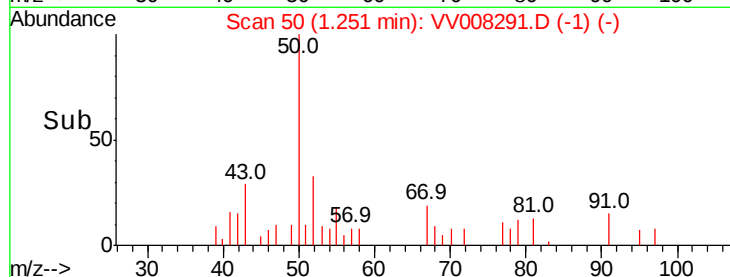
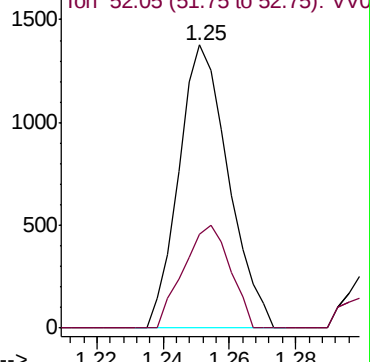
Ion Ratio Lower Upper

50 100

52 33.0 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008287.D (-43) (-)



#9

Trichlorofluoromethane

Concen: 4.765 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV008291.D

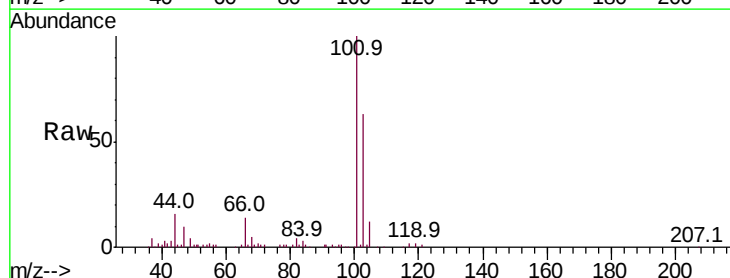
Acq: 16 Oct 2018 11:38

Tgt Ion:101 Resp: 37562

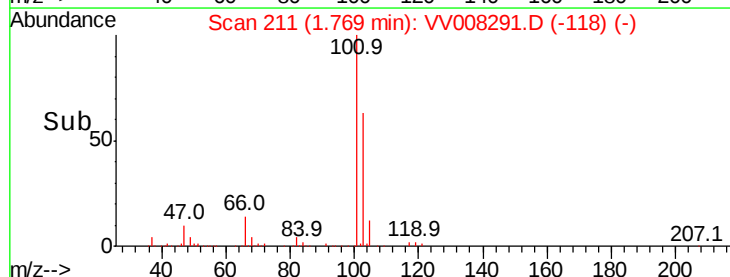
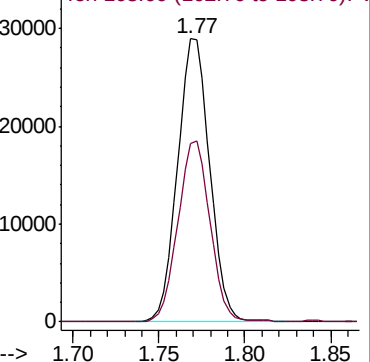
Ion Ratio Lower Upper

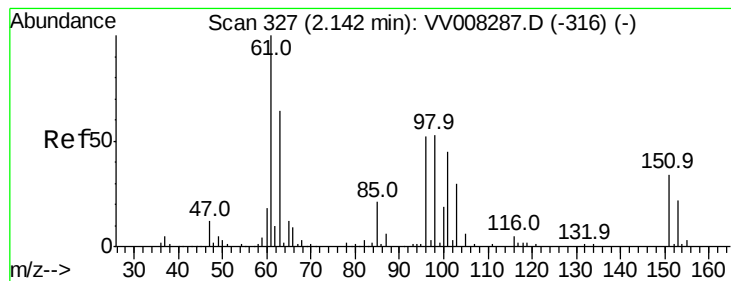
101 100

103 64.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV008287.D (-201) (-)





#12

1,1-Dichloroethene

Concen: 2.276 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

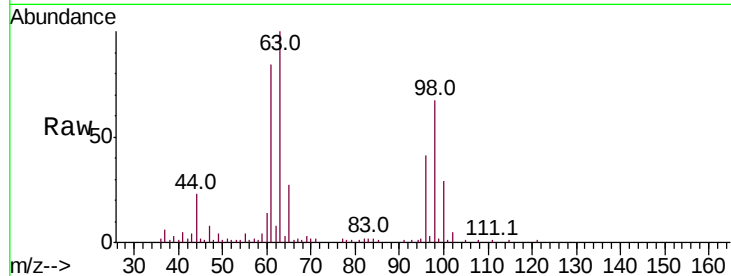
Tot Ion: 96 Resp: 9528

Ion Ratio Lower Upper

96 100

61 203.2 129.9 241.3

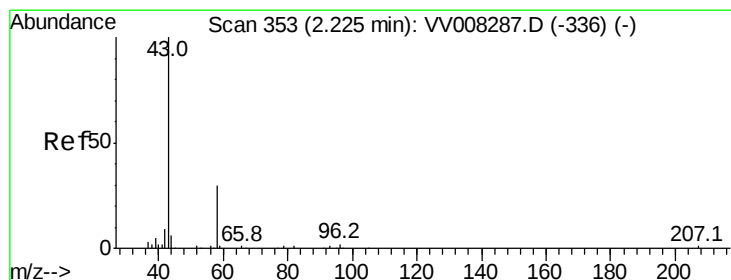
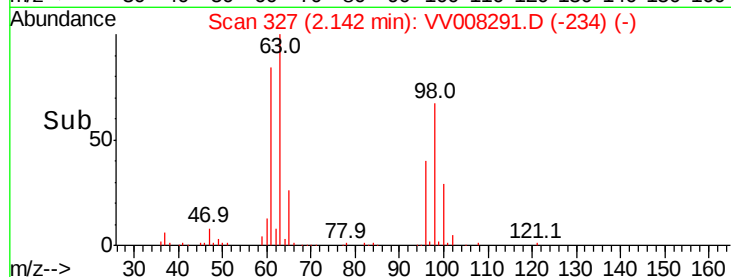
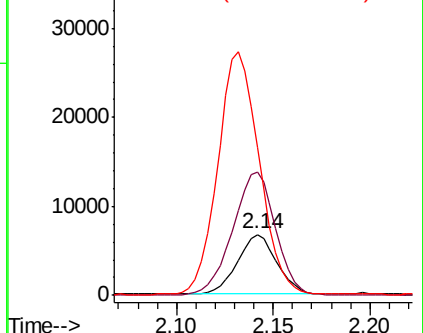
63 243.0 103.0 191.4#



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



#13

Acetone

Concen: 5.004 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

Lab File: VV008291.D

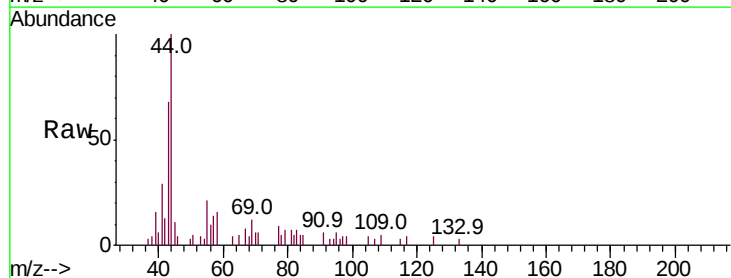
Acq: 16 Oct 2018 11:38

Tgt Ion: 43 Resp: 4472

Ion Ratio Lower Upper

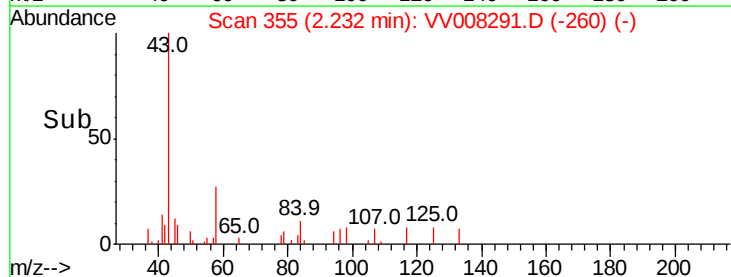
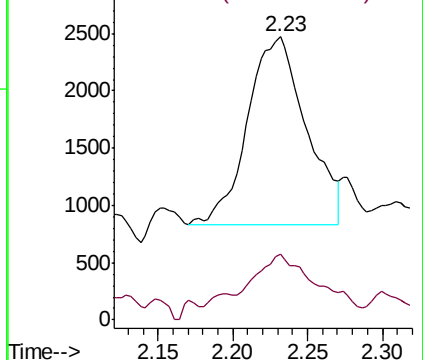
43 100

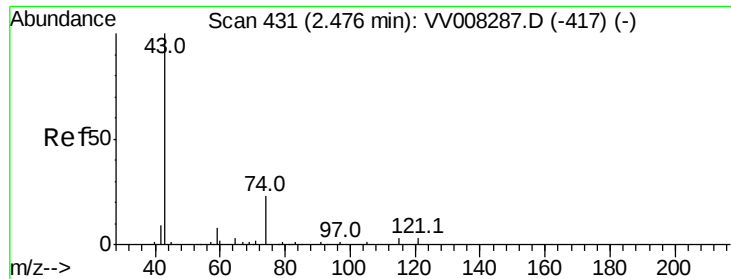
58 29.3 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

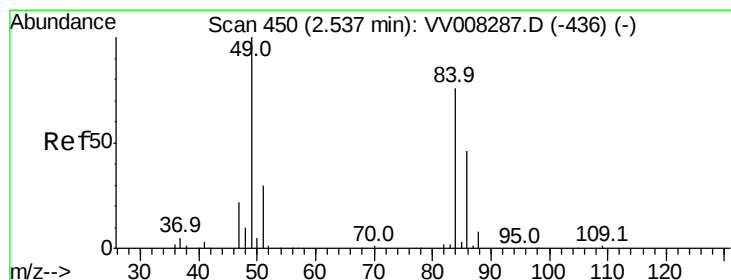
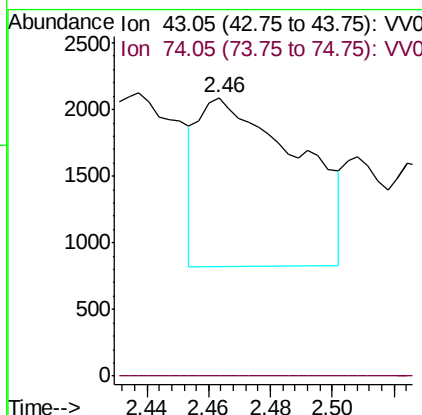
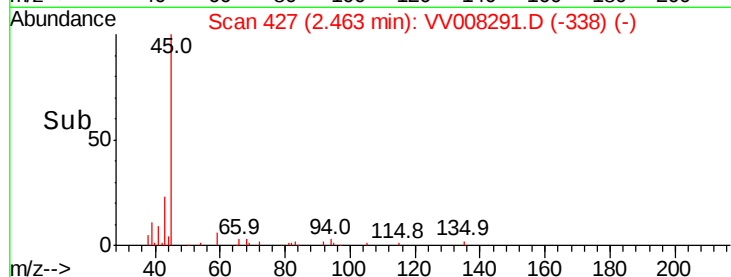
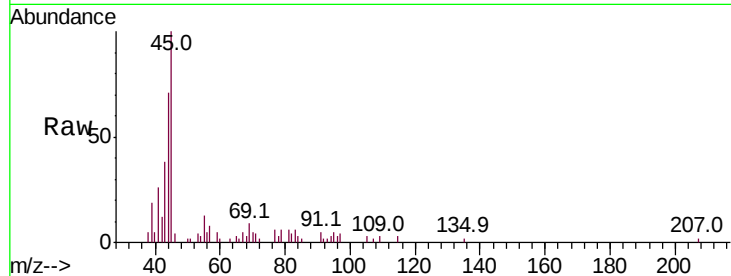




#15
Methyl Acetate
Concen: 1.271 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV008291.D
Acq: 16 Oct 2018 11:38

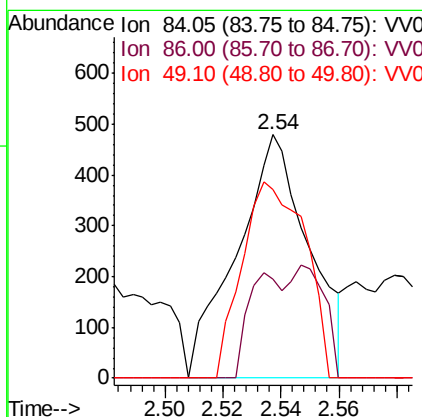
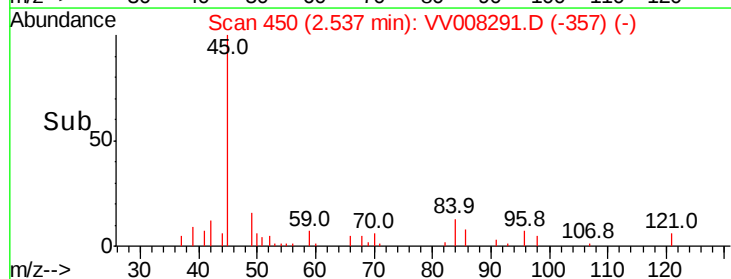
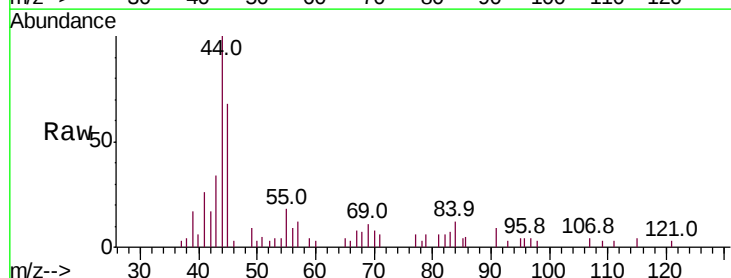
Instrument :
MSVOA_V
ClientSampleId :
C0AH5

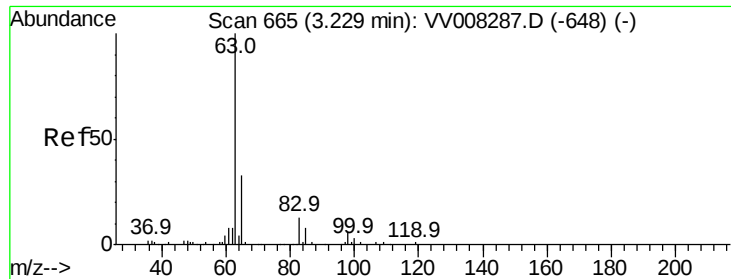
Tot Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#16
Methylene chloride
Concen: 0.171 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008291.D
Acq: 16 Oct 2018 11:38

Tgt Ion: 84 Resp: 828
Ion Ratio Lower Upper
84 100
86 40.7 45.0 83.6#
49 77.5 92.9 172.5#





#19

1,1-Dichloroethane

Concen: 0.124 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

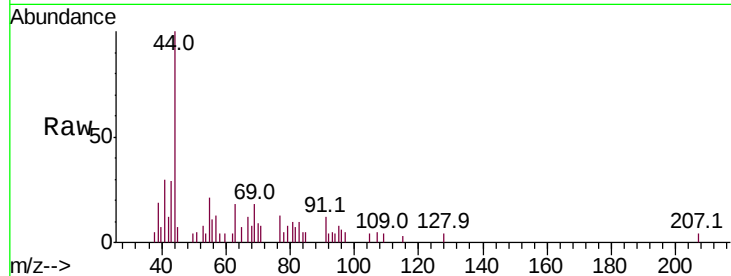
Tot Ion: 63 Resp: 1155

Ion Ratio Lower Upper

63 100

65 42.0 22.6 42.0#

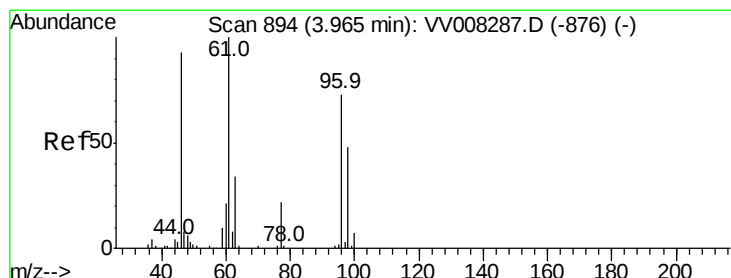
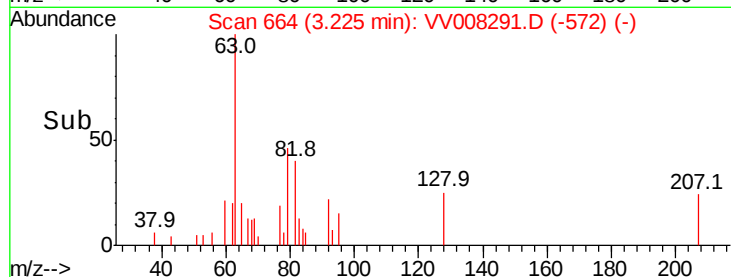
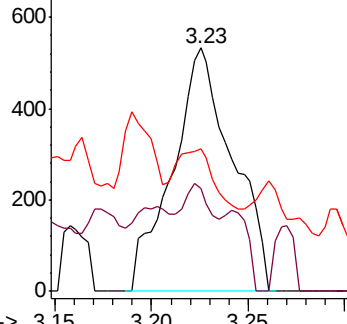
83 58.7 11.0 20.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.594 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

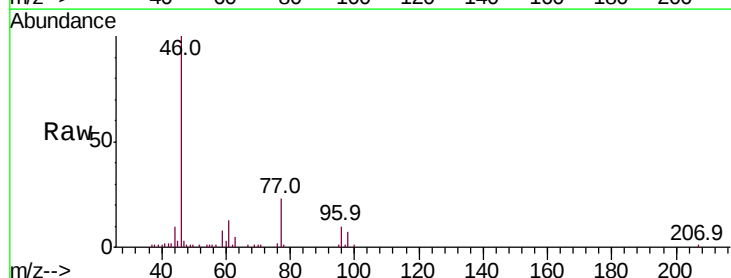
Tgt Ion: 96 Resp: 4318

Ion Ratio Lower Upper

96 100

61 126.3 93.7 174.1

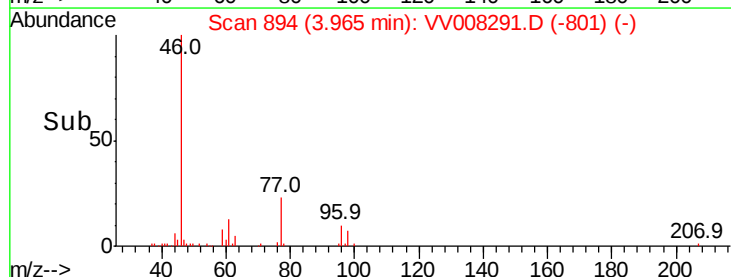
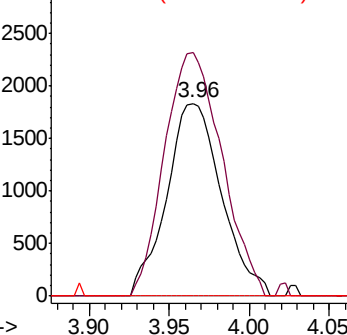
68 0.0 0.6 1.2#

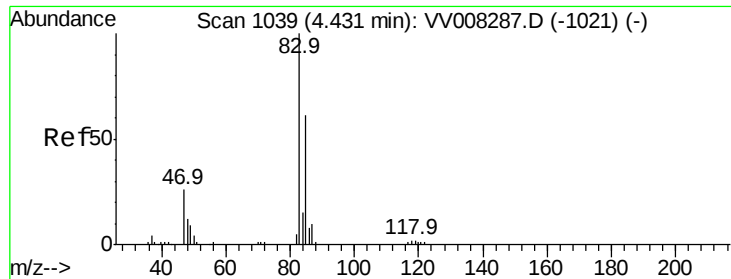


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

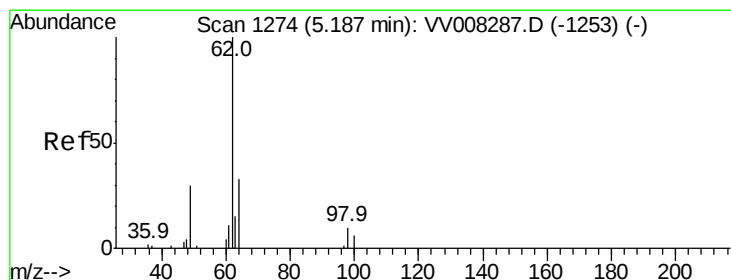
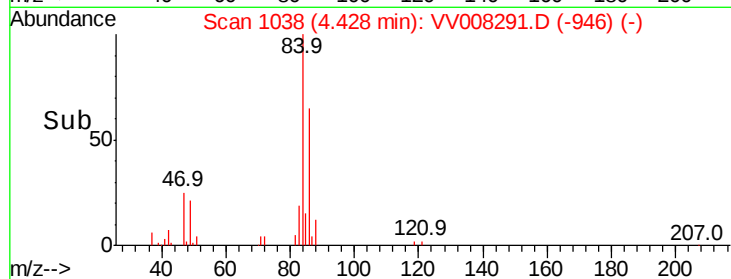
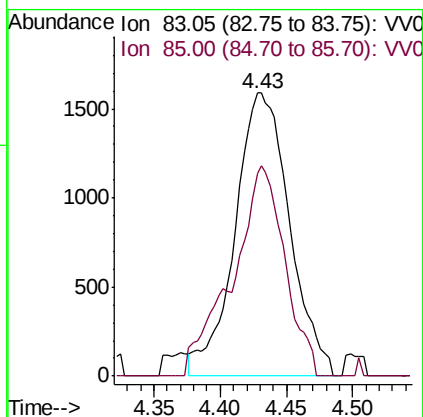
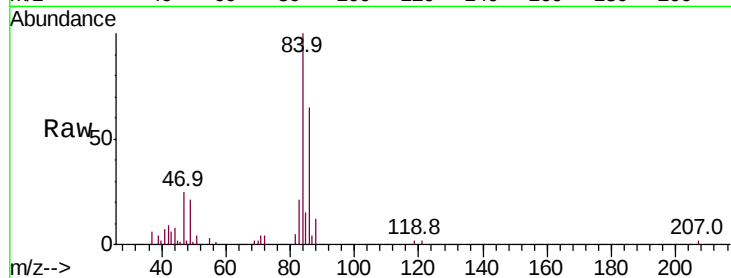




#25
Chloroform
Concen: 0.400 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008291.D
Acq: 16 Oct 2018 11:38

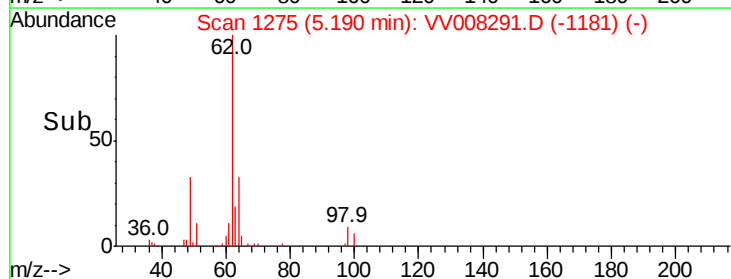
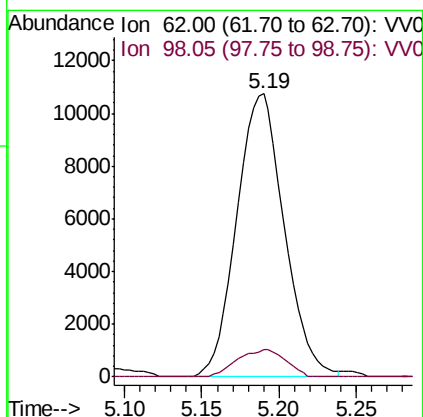
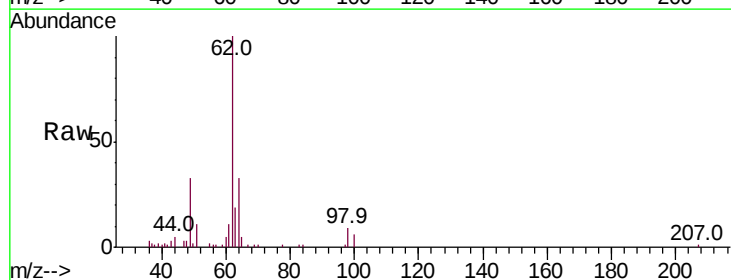
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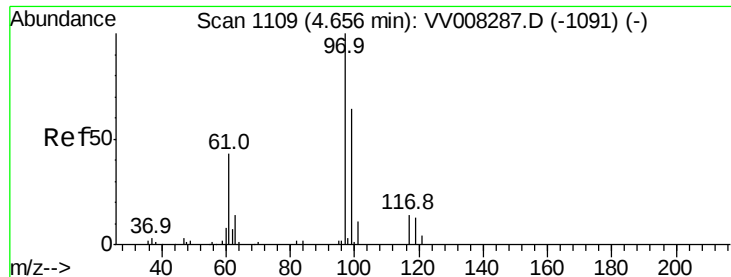
Tot Ion: 83 Resp: 4562
Ion Ratio Lower Upper
83 100
85 71.6 43.4 80.6



#27
1,2-Dichloroethane
Concen: 3.388 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV008291.D
Acq: 16 Oct 2018 11:38

Tgt Ion: 62 Resp: 22970
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 1.893 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

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ClientSampleId :

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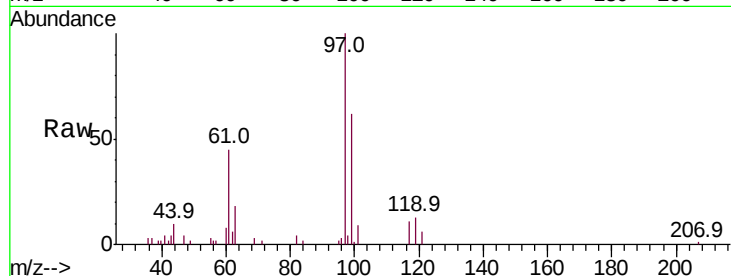
Tot Ion: 97 Resp: 18322

Ion Ratio Lower Upper

97 100

99 62.0 51.6 77.4

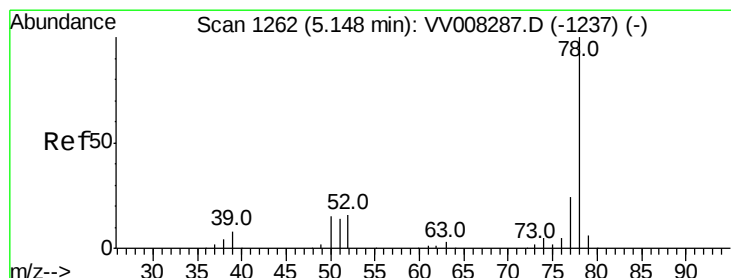
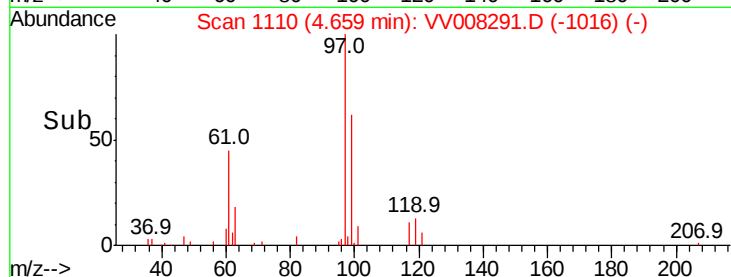
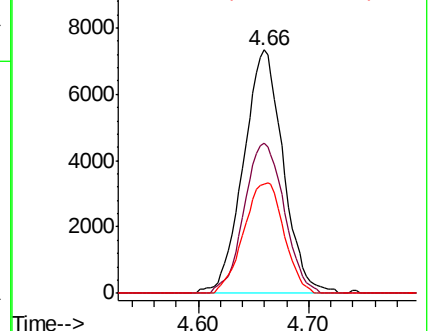
61 45.7 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#33

Benzene

Concen: 0.136 ug/L

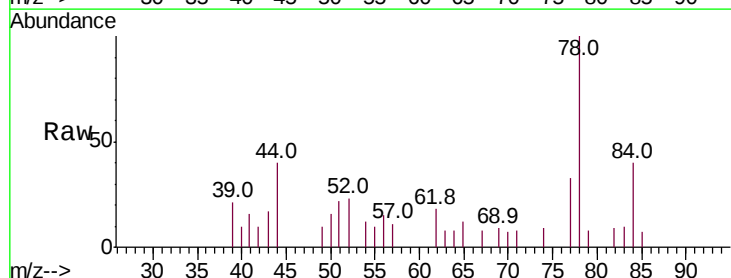
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

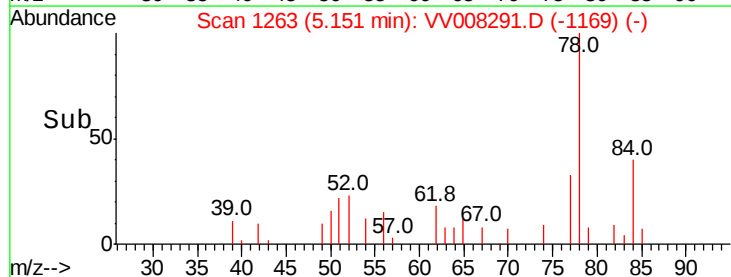
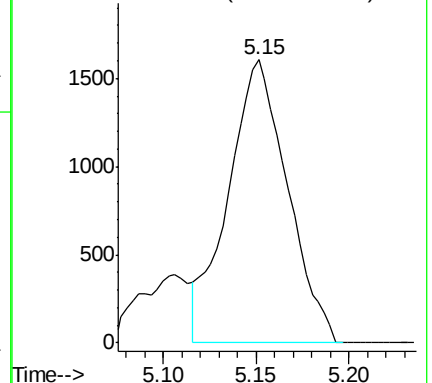
Lab File: VV008291.D

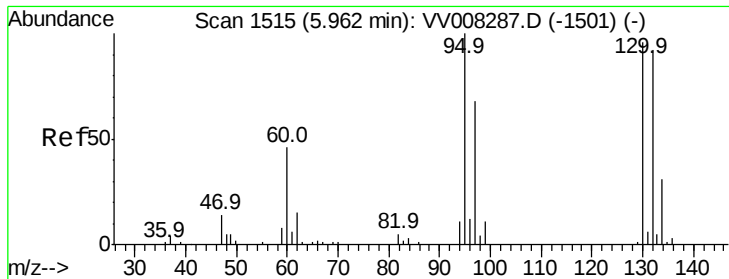
Acq: 16 Oct 2018 11:38

Tgt Ion: 78 Resp: 3564



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 157.082 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampleId :

C0AH5

Tot Ion: 95 Resp: 1140358

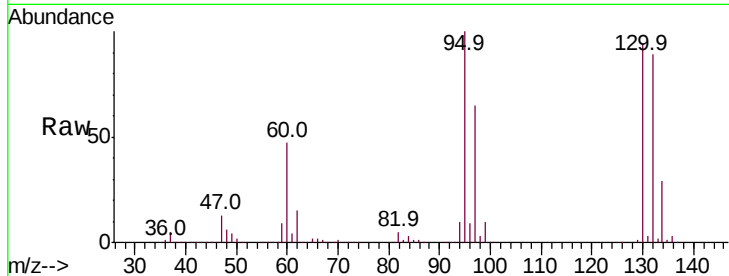
Ion Ratio Lower Upper

95 100

97 64.6 44.4 82.4

132 89.2 60.4 112.2

130 93.8 65.5 121.7

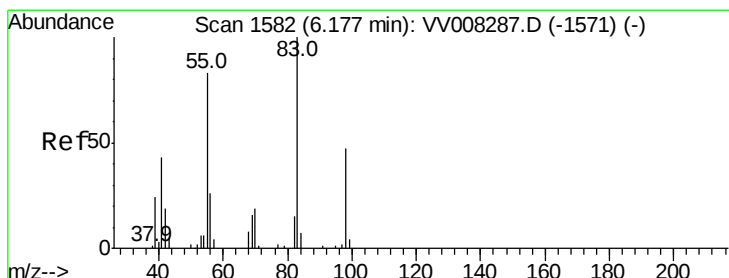
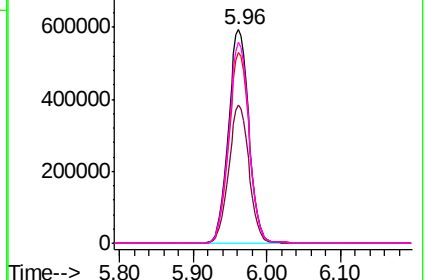
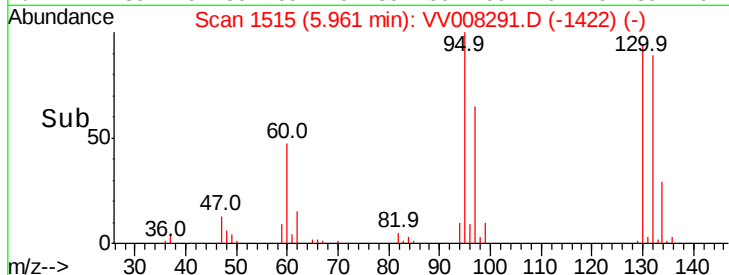


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.698 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

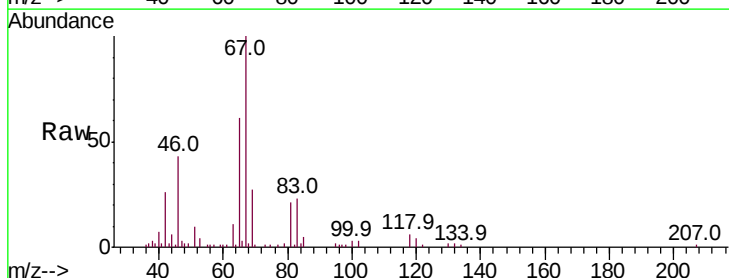
Tgt Ion: 83 Resp: 8541

Ion Ratio Lower Upper

83 100

55 0.4 64.0 96.0#

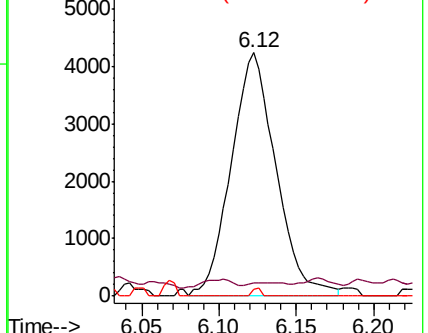
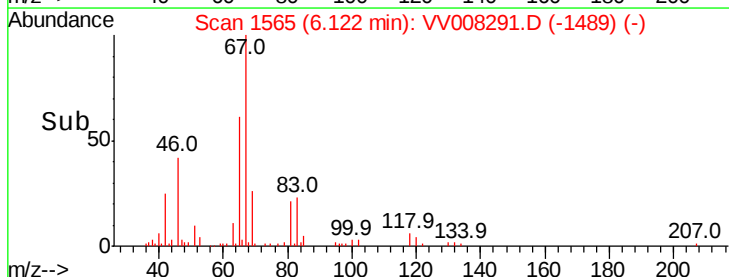
98 0.0 37.0 55.4#

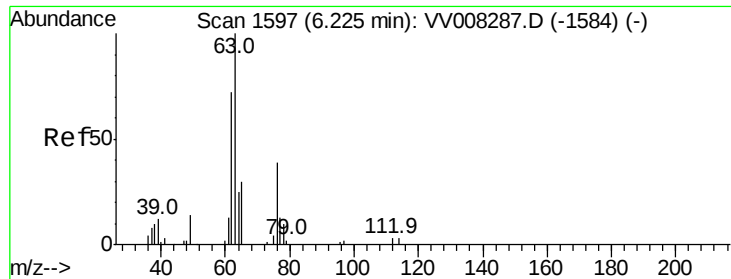


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.548 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampleId :

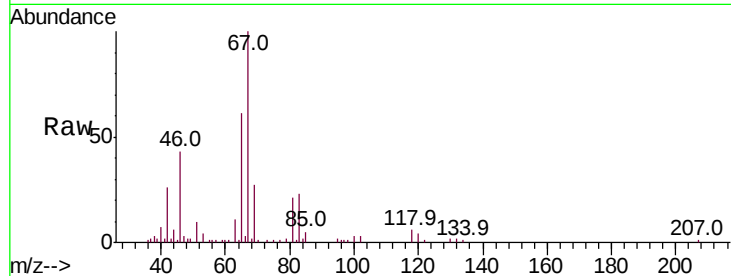
C0AH5

Tot Ion: 63 Resp: 3877

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VV008287.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV008287.D (-1584) (-)

6.12

2000

1500

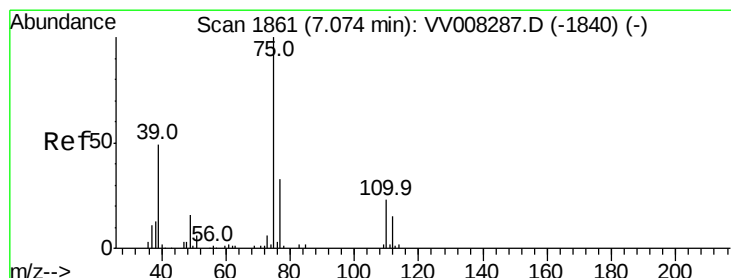
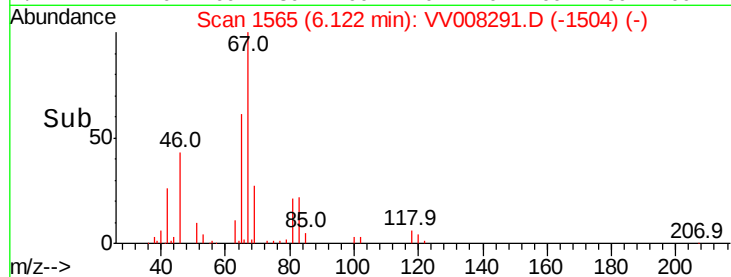
1000

500

0

Time-->

6.05 6.10 6.15



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008291.D

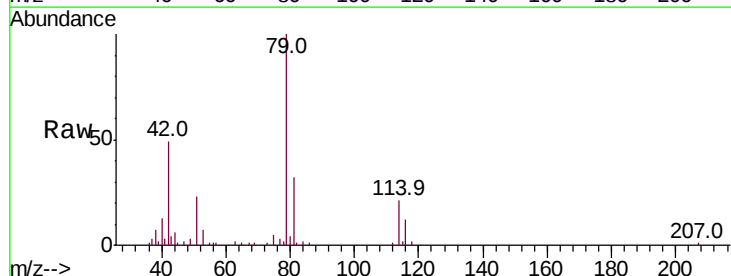
Acq: 16 Oct 2018 11:38

Tgt Ion: 75 Resp: 884

Ion Ratio Lower Upper

75 100

77 64.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV008287.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV008287.D (-1840) (-)

7.04

600

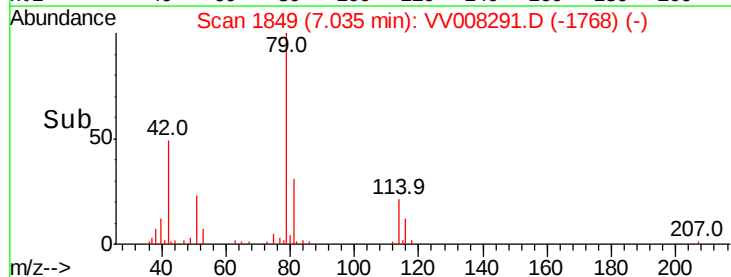
400

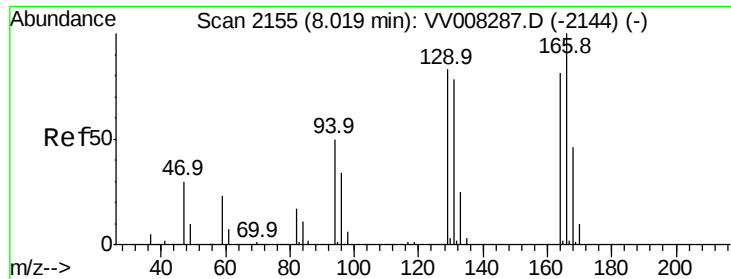
200

0

Time-->

7.00 7.02 7.04 7.06





#47

Tetrachloroethene

Concen: 17.032 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampled :

C0AH5

Tot Ion:164 Resp: 77471

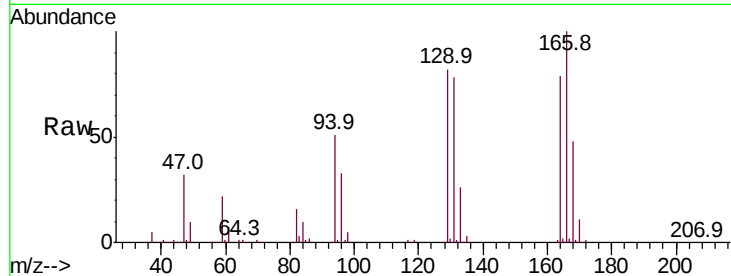
Ion Ratio Lower Upper

164 100

129 104.1 76.5 142.1

131 99.2 74.7 138.7

166 127.0 91.6 170.0

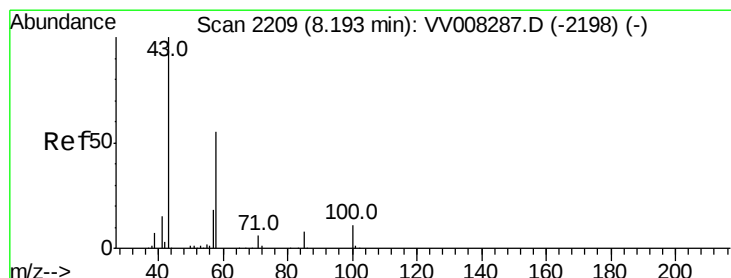
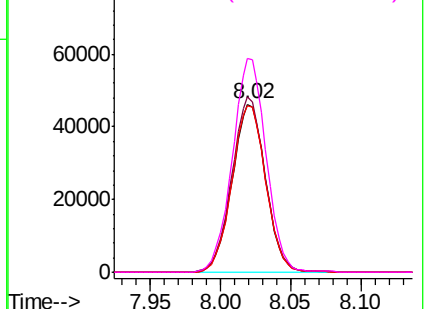
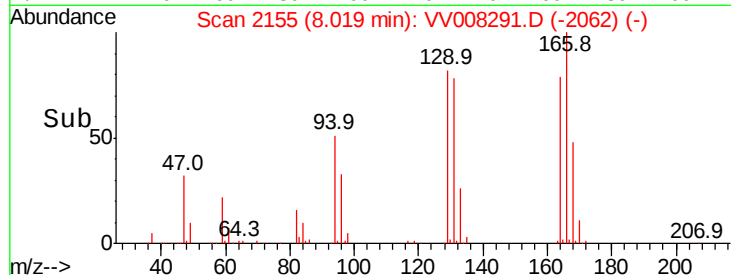


Abundance Ion 163.90 (163.60 to 164.60): V

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: 6.301 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Tgt Ion: 43 Resp: 19937

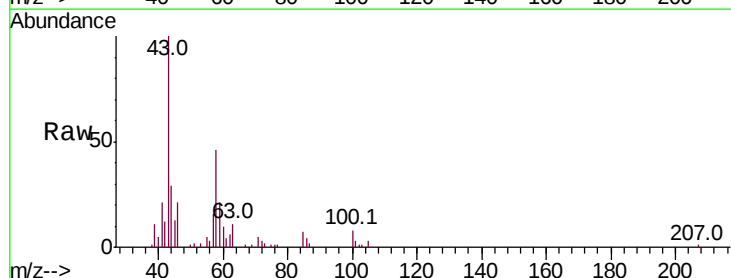
Ion Ratio Lower Upper

43 100

58 45.8 45.0 67.4

57 16.2 14.4 21.6

100 6.4 7.9 11.9#

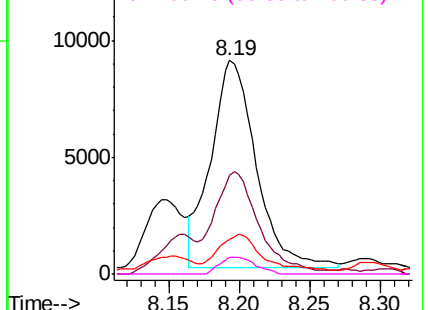
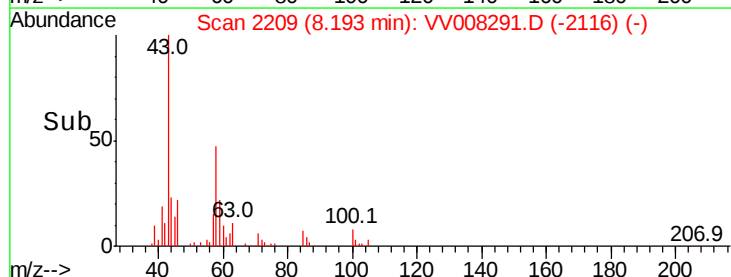


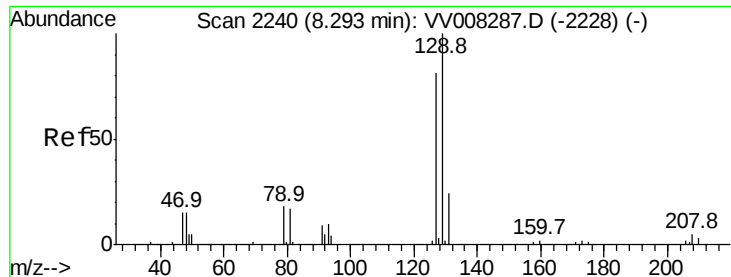
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 15.265 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

Instrument :

MSVOA_V

ClientSampleId :

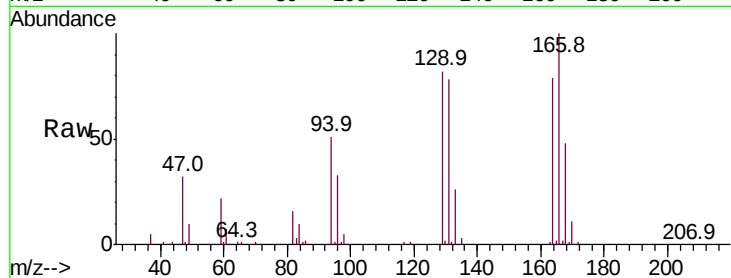
C0AH5

Tot Ion:129 Resp: 76351

Ion Ratio Lower Upper

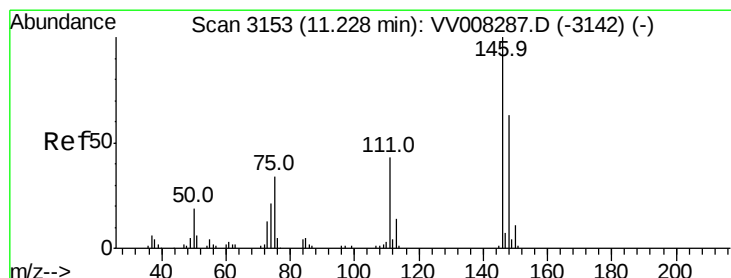
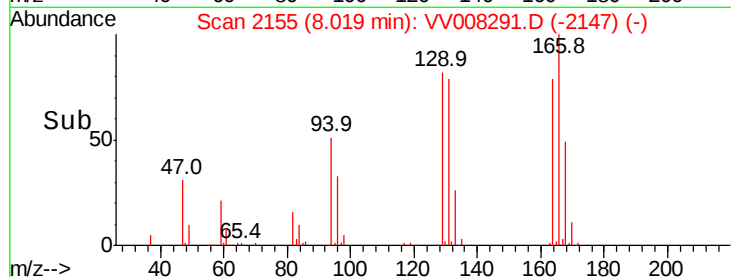
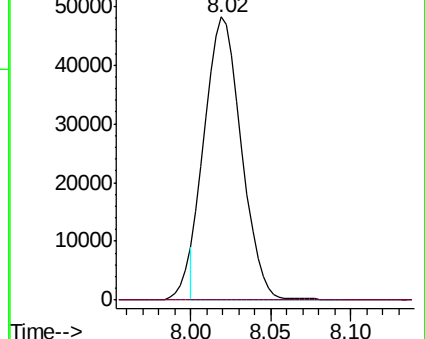
129 100

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



#62

1,3-Dichlorobenzene

Concen: 0.100 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008291.D

Acq: 16 Oct 2018 11:38

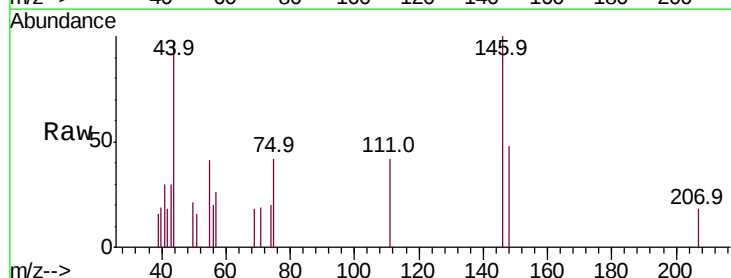
Tgt Ion:146 Resp: 1016

Ion Ratio Lower Upper

146 100

111 42.3 28.0 52.0

148 47.8 42.9 79.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

