

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008290.D
 Acq On : 16 Oct 2018 11:09
 Operator : SY/MD
 Sample : J5406-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH4

Quant Time: Oct 17 02:31:11 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	97778	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	87743	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	33601	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26840	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	18763	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	41731	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	3.97	46	85418	46.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.18%
24) Chloroform-d	4.41	84	54162	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.09	65	28064	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.10	84	119652	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	39075	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	104601	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.67	79	13234	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.14	63	48377	39.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22521	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	30130	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	1325	0.172	ug/L 86
9) Trichlorofluoromethane	1.77	101	18998	2.148	ug/L 99
12) 1,1-Dichloroethene	2.14	96	5639	1.201	ug/L # 1
13) Acetone	2.22	43	6258	6.241	ug/L 92
15) Methyl Acetate	2.40	43	12370	4.959	ug/L # 50
19) 1,1-Dichloroethane	3.23	63	1437	0.138	ug/L # 78
22) cis-1,2-Dichloroethene	3.97	96	5412	0.663	ug/L # 95
25) Chloroform	4.43	83	2734	0.214	ug/L 91
27) 1,2-Dichloroethane	5.19	62	11062	1.454	ug/L # 93
29) 1,1,1-Trichloroethane	4.65	97	5121	0.469	ug/L 89
33) Benzene	5.15	78	2929	0.099	ug/L 100
34) Trichloroethene	5.96	95	738554	90.135	ug/L 97
35) Methylcyclohexane	6.13	83	9151	0.662	ug/L # 18
37) 1,2-Dichloropropane	6.13	63	3918	0.491	ug/L # 90
39) cis-1,3-Dichloropropene	7.04	75	1043	0.092	ug/L # 70
47) Tetrachloroethene	8.02	164	11384	2.217	ug/L 94
48) 2-Hexanone	8.20	43	20557	5.756	ug/L # 87

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

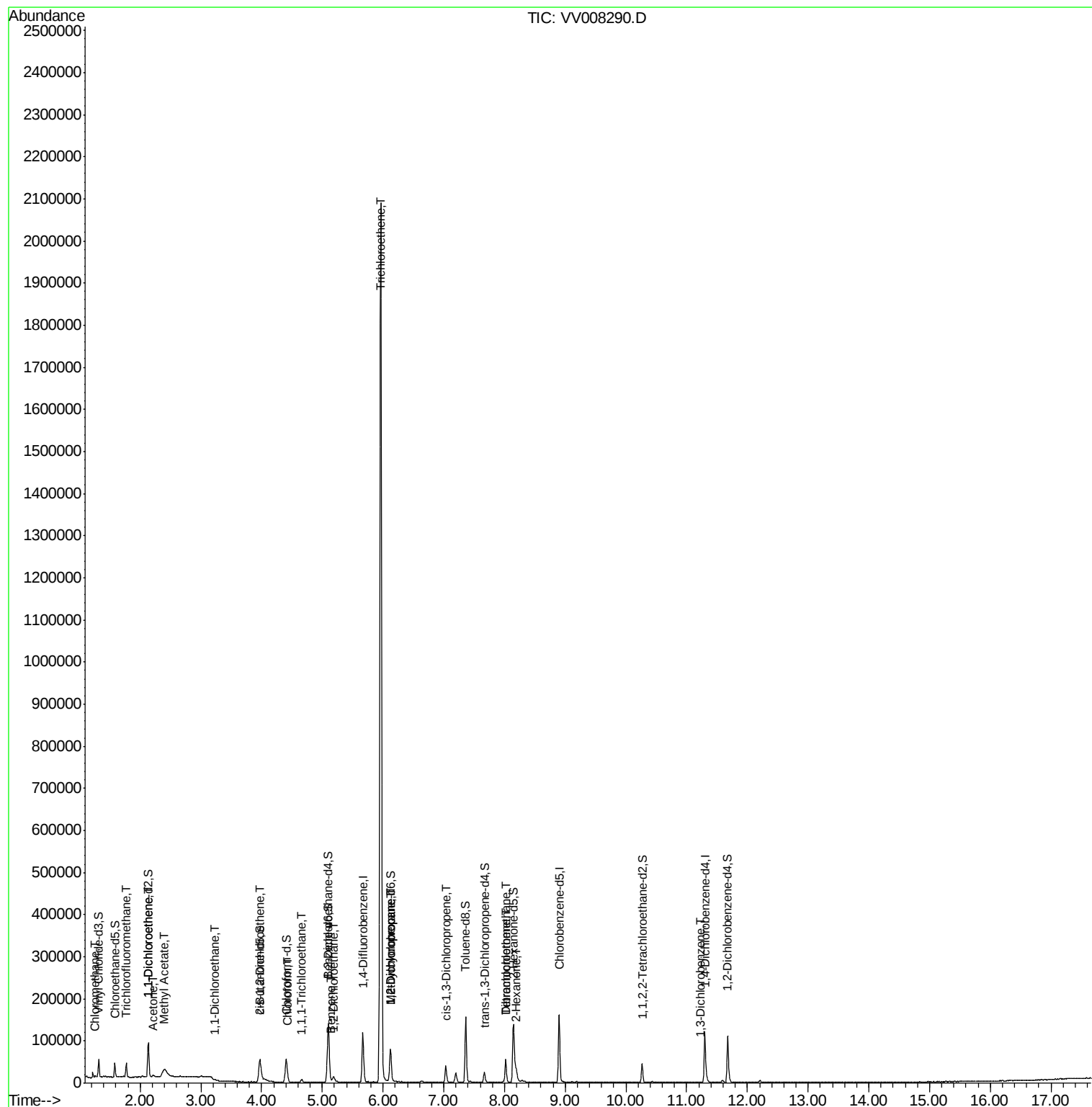
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	11390	2.018	ug/L #	10
62) 1,3-Dichlorobenzene	11.23	146	683	0.060	ug/L	90

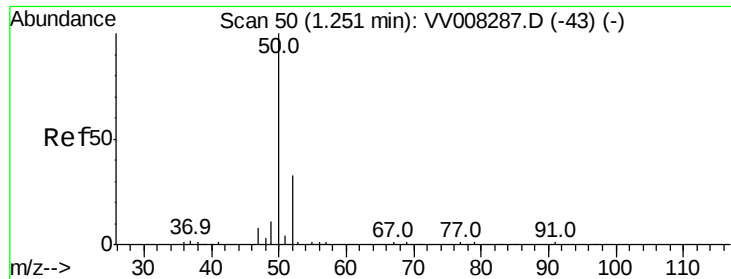
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.172 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Instrument :

MSVOA_V

ClientSampleId :

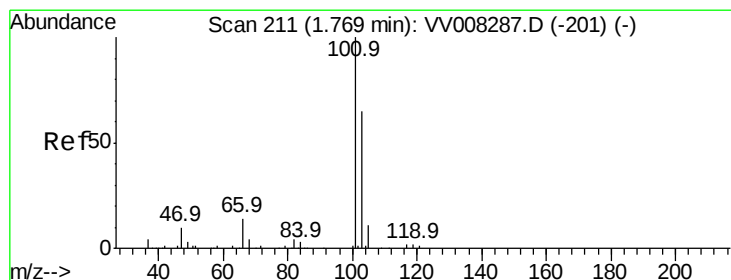
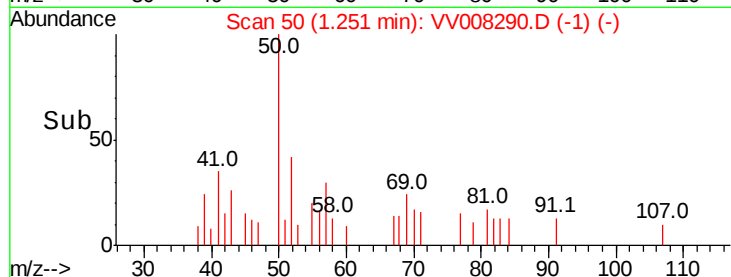
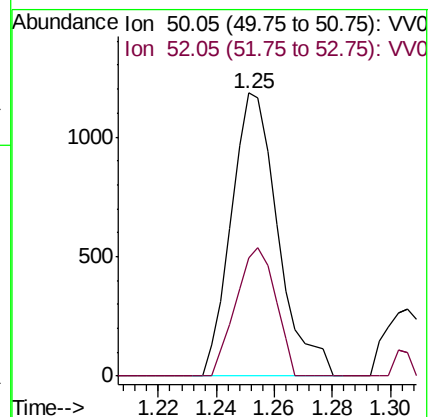
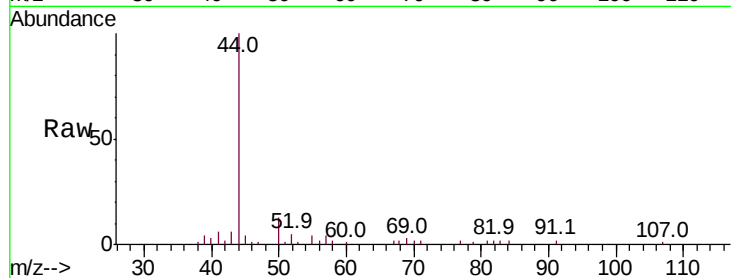
C0AH4

Tot Ion: 50 Resp: 1325

Ion Ratio Lower Upper

50 100

52 41.7 23.7 43.9



#9

Trichlorofluoromethane

Concen: 2.148 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008290.D

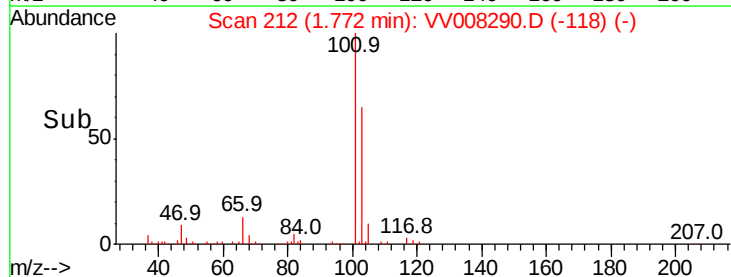
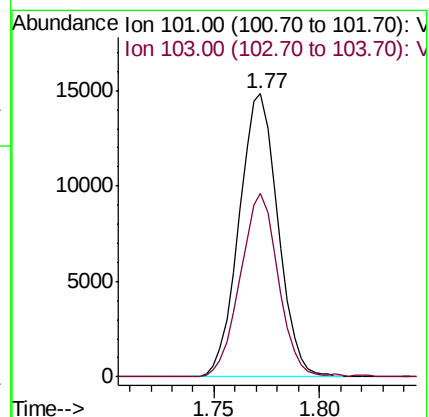
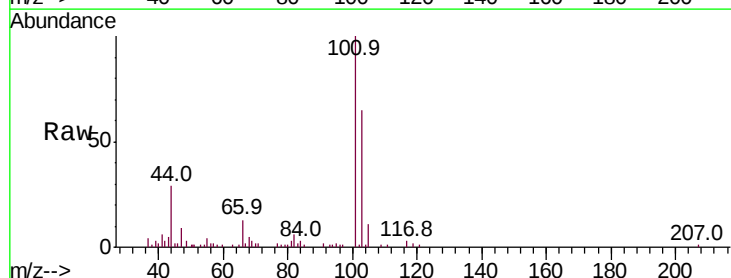
Acq: 16 Oct 2018 11:09

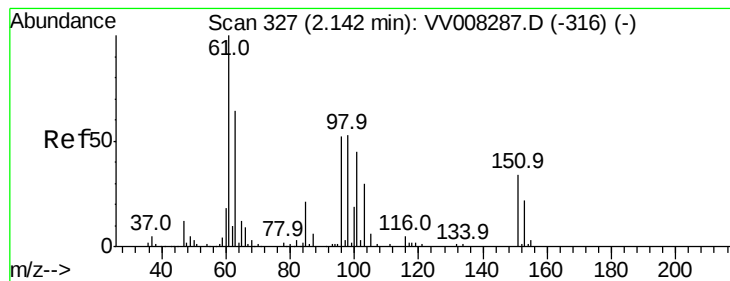
Tgt Ion:101 Resp: 18998

Ion Ratio Lower Upper

101 100

103 63.6 51.8 77.6





#12

1,1-Dichloroethene

Concen: 1.201 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Instrument :

MSVOA_V

ClientSampleId :

C0AH4

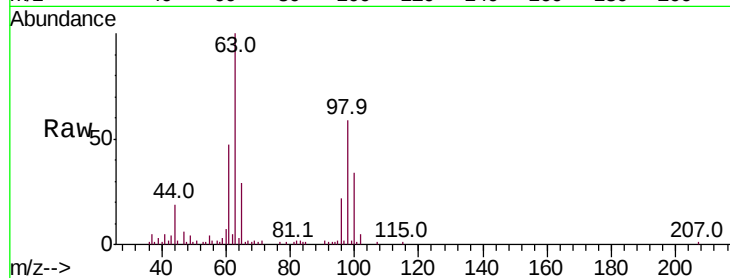
Tot Ion: 96 Resp: 5639

Ion Ratio Lower Upper

96 100

61 217.9 129.9 241.3

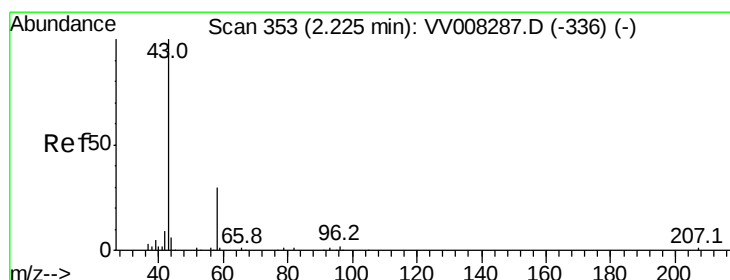
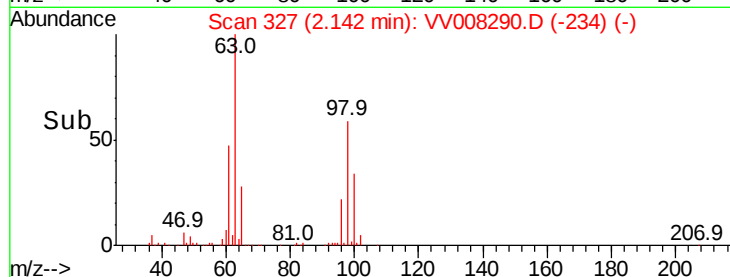
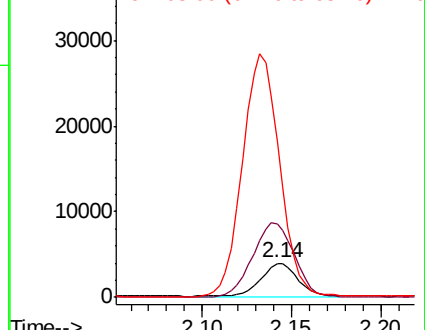
63 459.0 103.0 191.4#



Abundance Ion 96.00 (95.70 to 96.70): VV008287.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV008287.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008287.D (-316) (-)



#13

Acetone

Concen: 6.241 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV008290.D

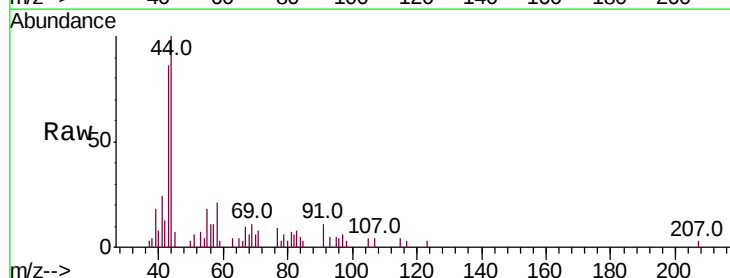
Acq: 16 Oct 2018 11:09

Tgt Ion: 43 Resp: 6258

Ion Ratio Lower Upper

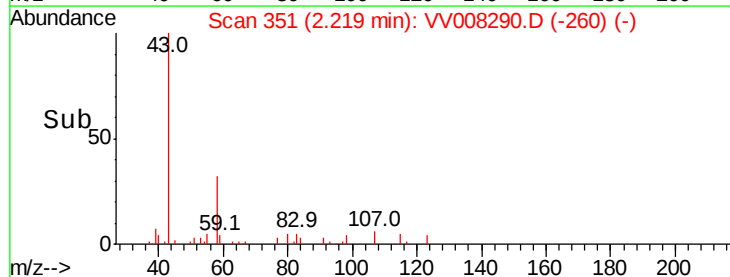
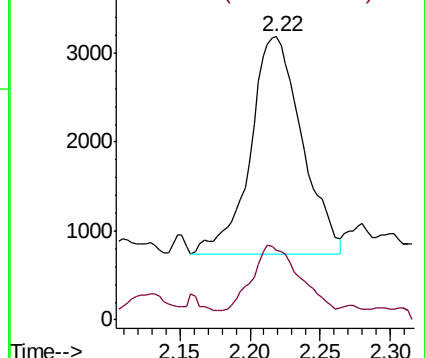
43 100

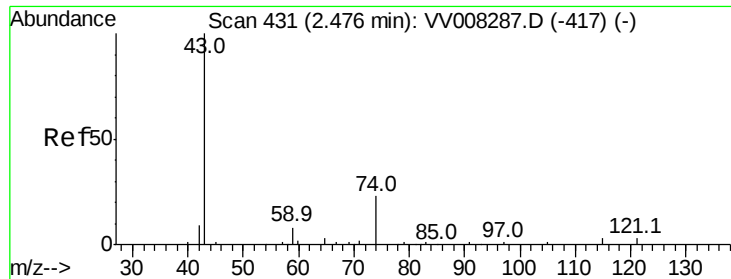
58 26.9 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008290.D (-260) (-)

Ion 58.05 (57.75 to 58.75): VV008290.D (-260) (-)





#15

Methyl Acetate

Concen: 4.959 ug/L

RT: 2.40 min Scan# 408

Delta R.T. -0.07 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Instrument :

MSVOA_V

ClientSampleId :

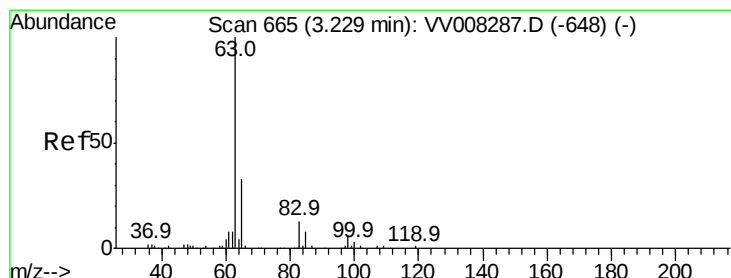
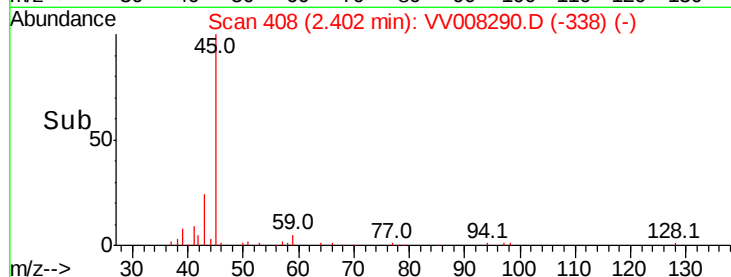
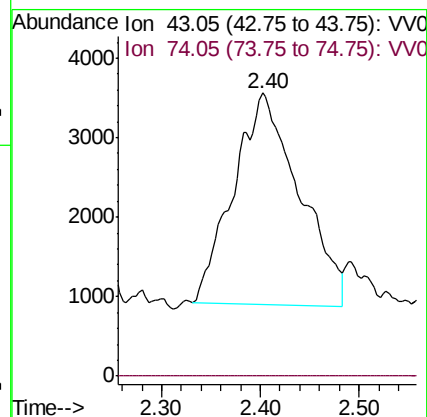
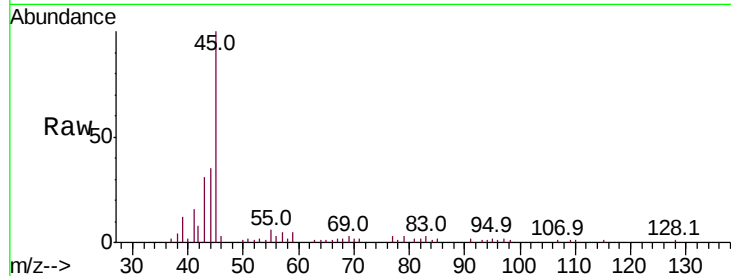
C0AH4

Tot Ion: 43 Resp: 12370

Ion Ratio Lower Upper

43 100

74 0.0 20.0 30.0#



#19

1,1-Dichloroethane

Concen: 0.138 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

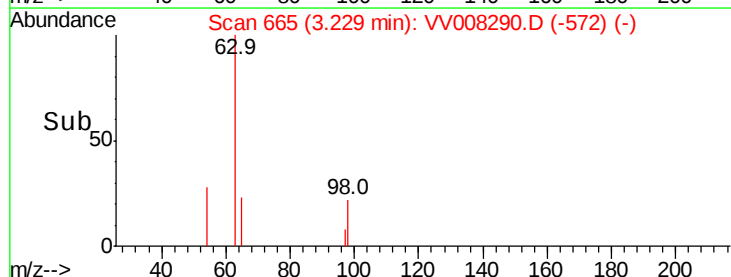
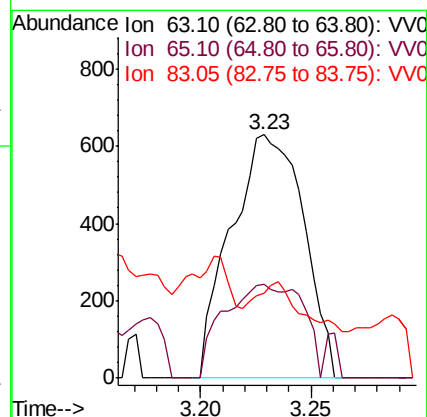
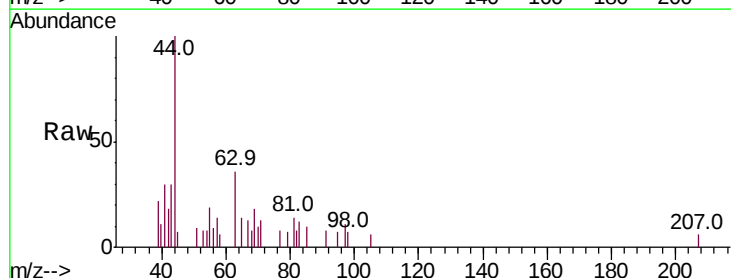
Tgt Ion: 63 Resp: 1437

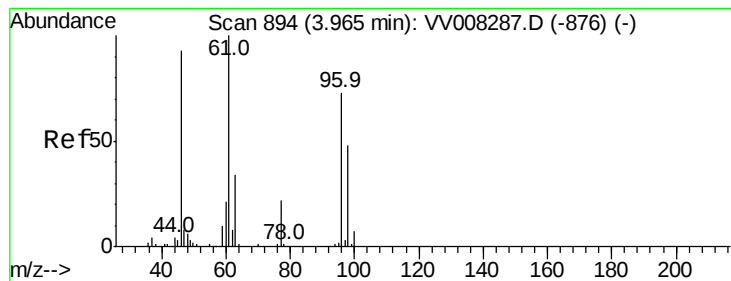
Ion Ratio Lower Upper

63 100

65 38.6 22.6 42.0

83 34.8 11.0 20.4#



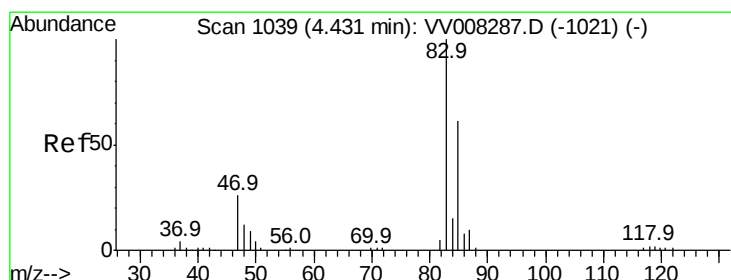
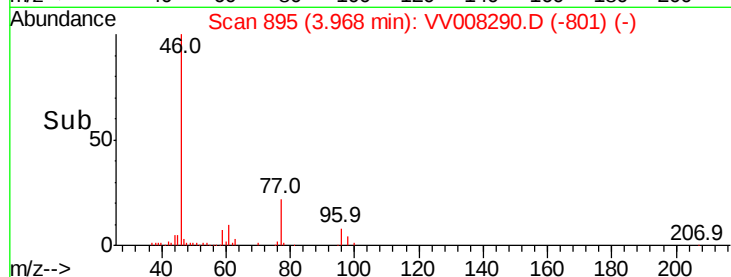
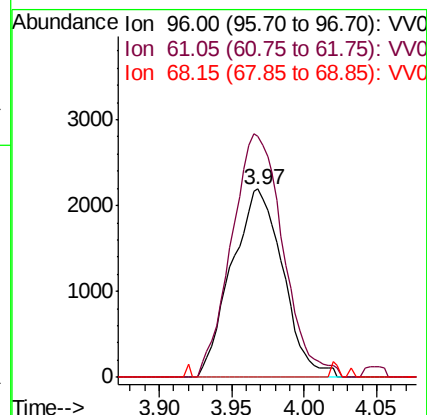
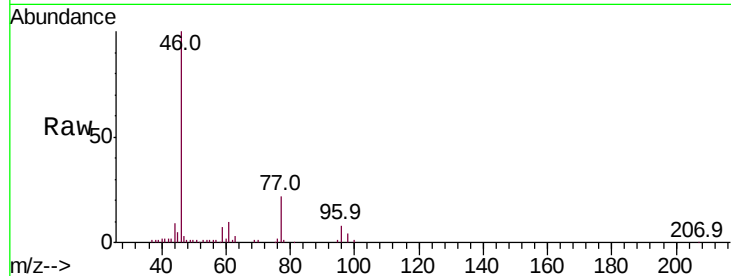


#22

cis-1,2-Dichloroethene
 Concen: 0.663 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008290.D
 Acq: 16 Oct 2018 11:09

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 ClientSampleId :
 C0AH4

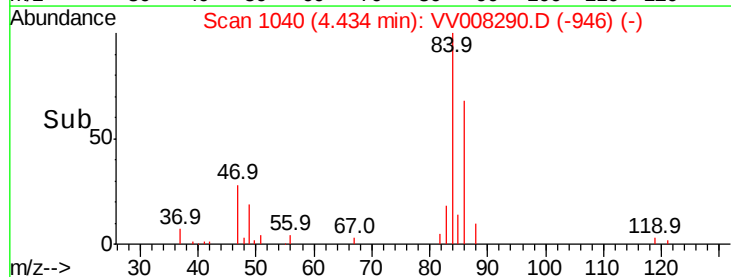
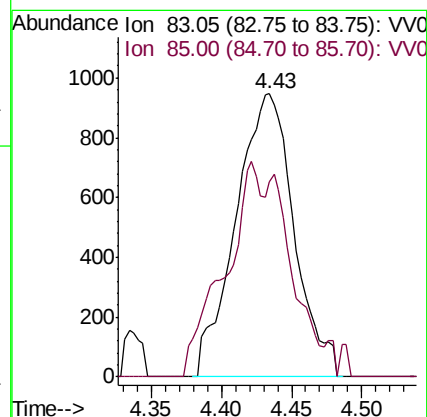
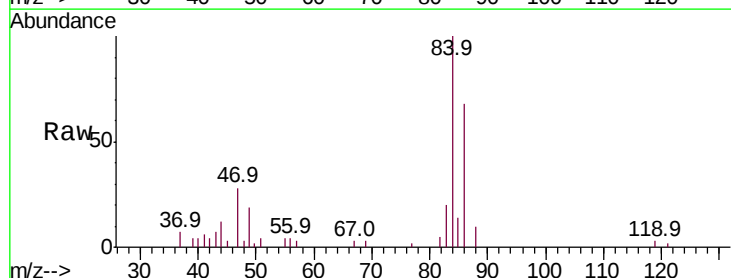
Tot Ion: 96 Resp: 5412
 Ion Ratio Lower Upper
 96 100
 61 127.8 93.7 174.1
 68 0.0 0.6 1.2#

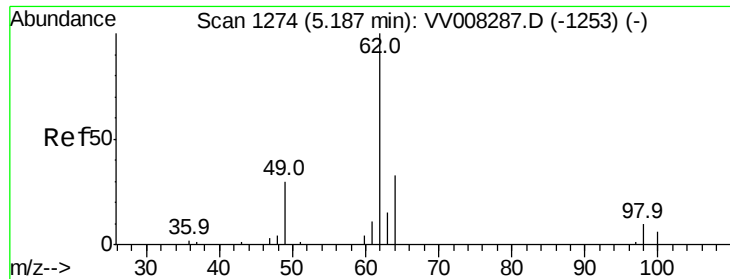


#25

Chloroform
 Concen: 0.214 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VV008290.D
 Acq: 16 Oct 2018 11:09

Tgt Ion: 83 Resp: 2734
 Ion Ratio Lower Upper
 83 100
 85 68.7 43.4 80.6

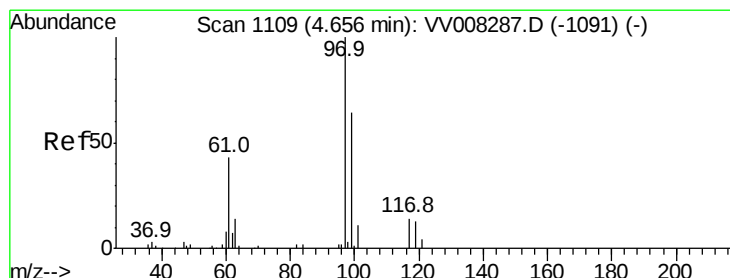
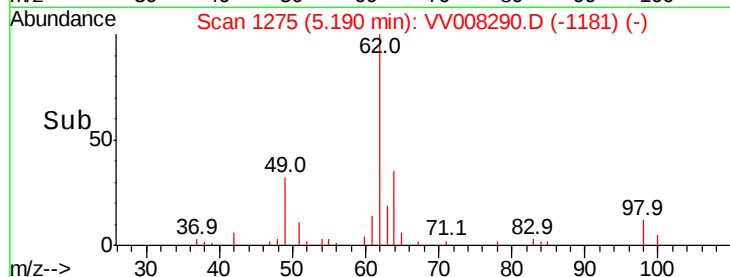
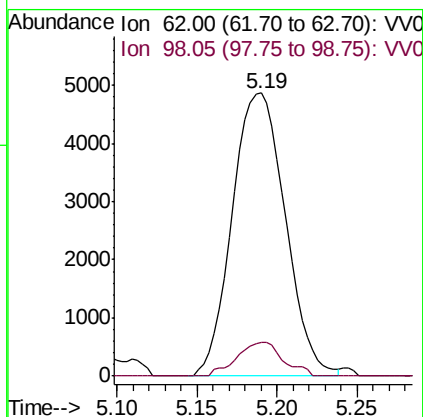
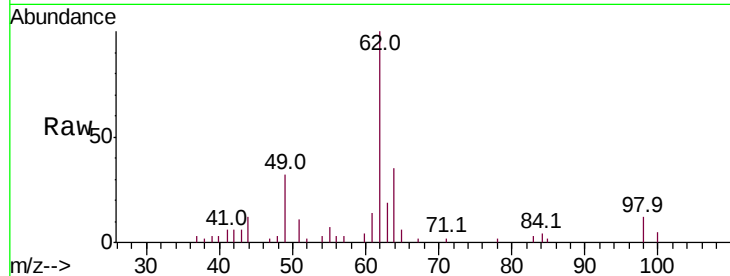




#27
 1,2-Dichloroethane
 Concen: 1.454 ug/L
 RT: 5.19 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VV008290.D
 Acq: 16 Oct 2018 11:09

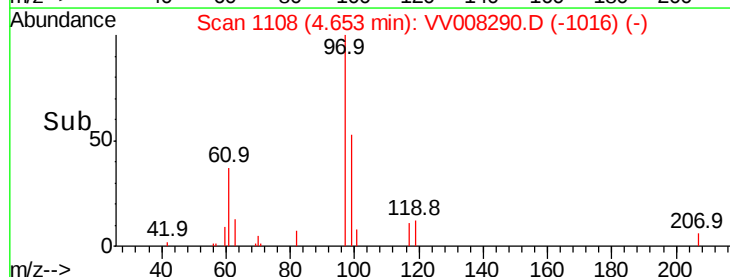
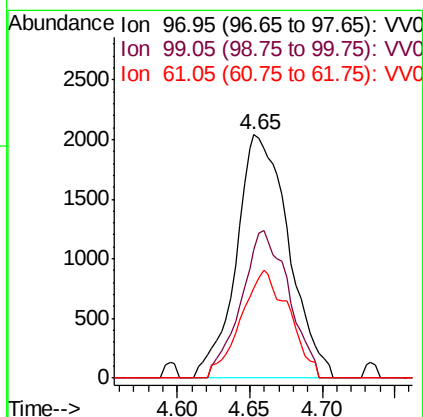
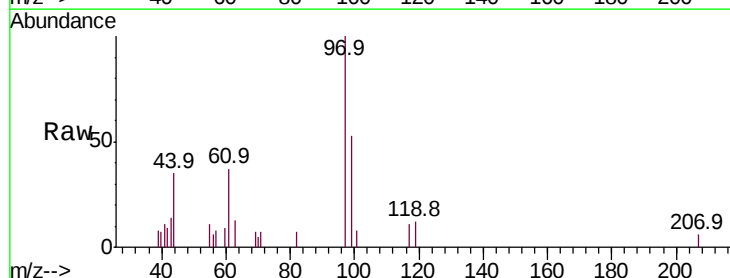
Instrument :
 MSVOA_V
 ClientSampled :
 C0AH4

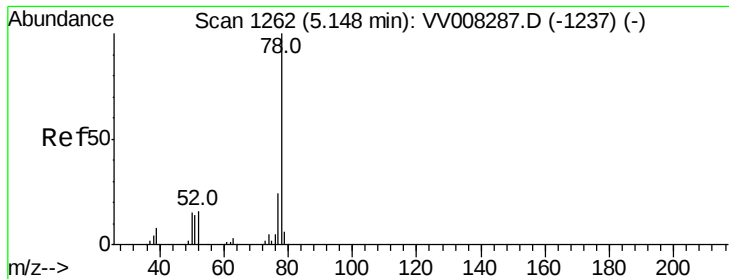
Tot Ion: 62 Resp: 11062
 Ion Ratio Lower Upper
 62 100
 98 12.0 7.6 11.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.469 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV008290.D
 Acq: 16 Oct 2018 11:09

Tgt Ion: 97 Resp: 5121
 Ion Ratio Lower Upper
 97 100
 99 55.1 51.6 77.4
 61 40.6 37.0 55.6





#33

Benzene

Concen: 0.099 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

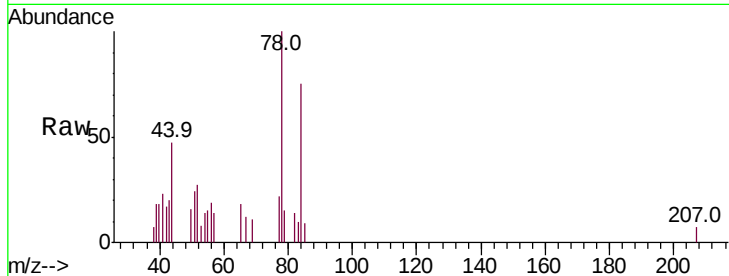
Instrument :

MSVOA_V

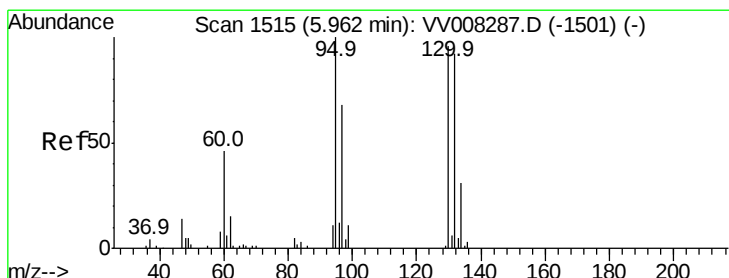
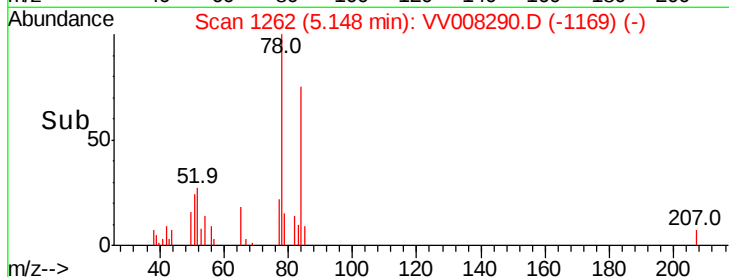
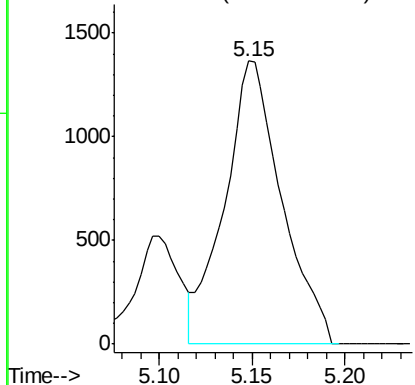
ClientSampleId :

C0AH4

Tgt Ion: 78 Resp: 2929



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 90.135 ug/L

RT: 5.96 min Scan# 1515

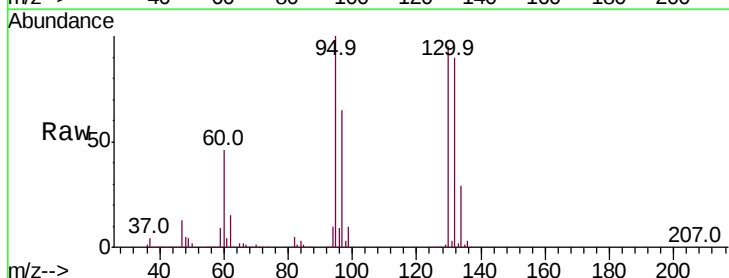
Delta R.T. 0.00 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Tgt Ion: 95 Resp: 738554

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.4	82.4
132	90.3	60.4	112.2
130	94.8	65.5	121.7

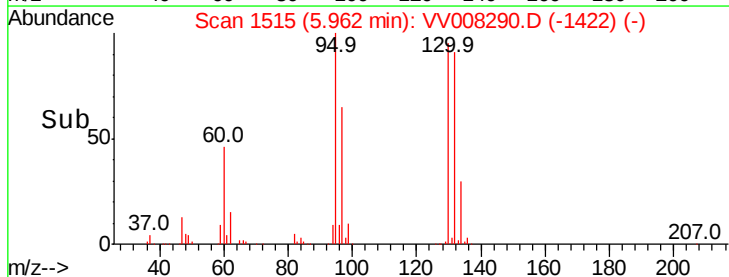


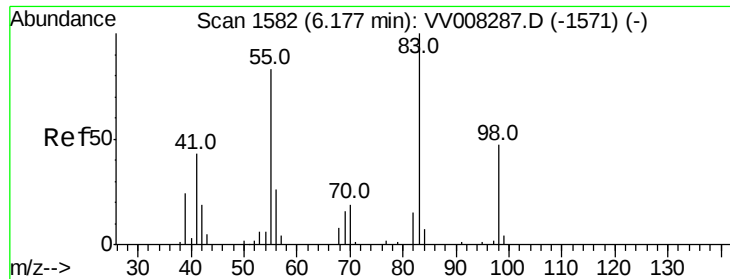
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

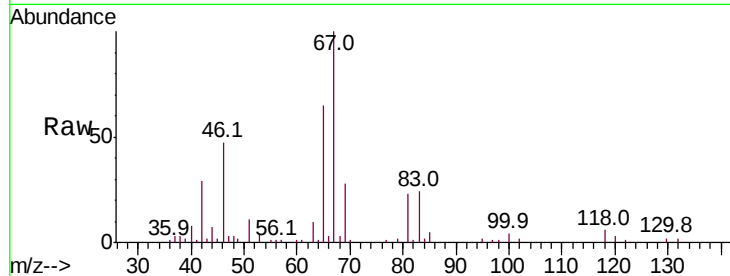




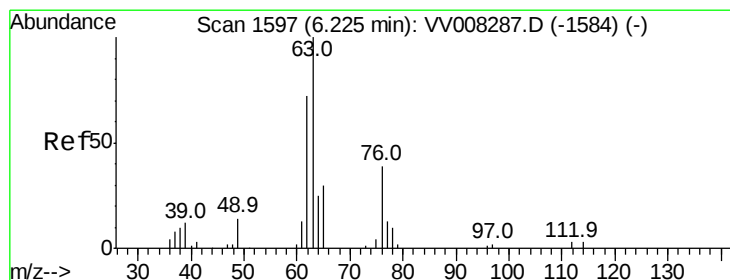
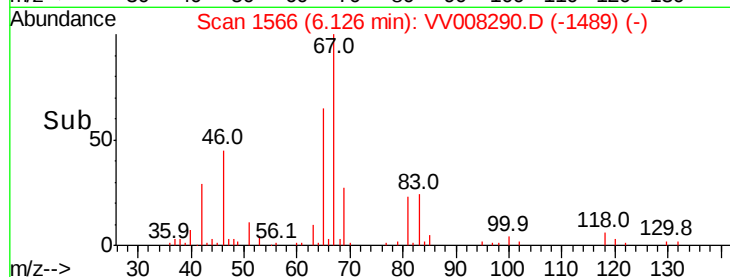
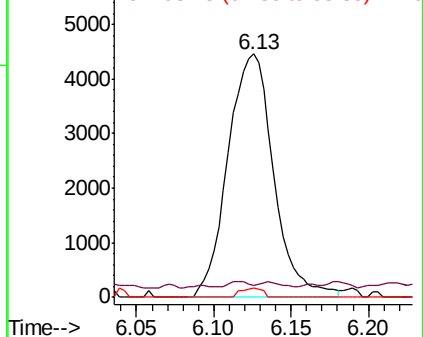
#35
Methvlcvclohexane
Concen: 0.662 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008290.D
Acq: 16 Oct 2018 11:09

Instrument :
MSVOA_V
ClientSampleId :
C0AH4

Tot Ion: 83 Resp: 9151
Ion Ratio Lower Upper
83 100
55 1.1 64.0 96.0#
98 0.0 37.0 55.4#

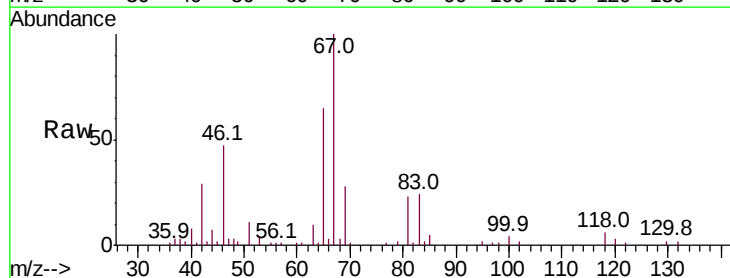


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

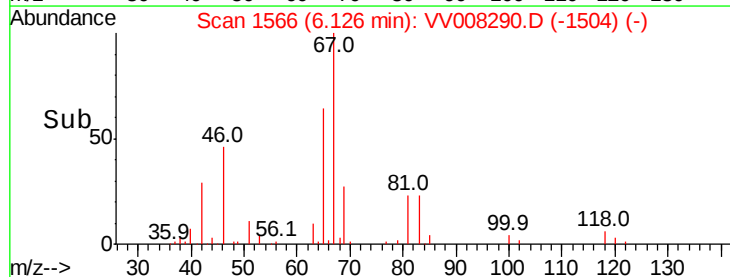
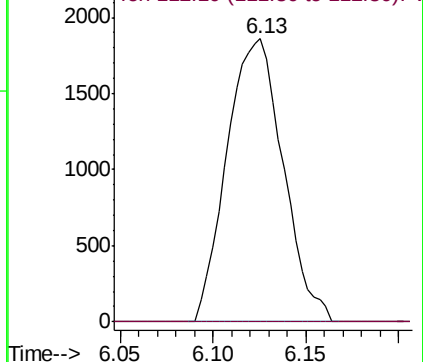


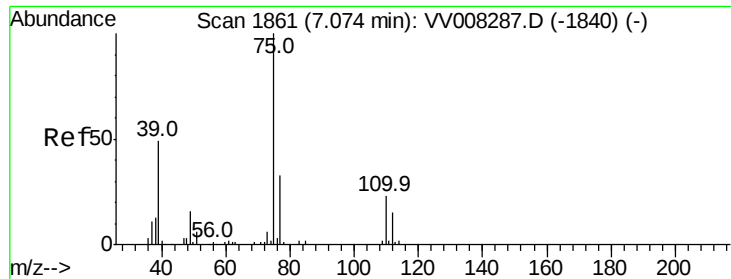
#37
1,2-Dichloropropane
Concen: 0.491 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV008290.D
Acq: 16 Oct 2018 11:09

Tgt Ion: 63 Resp: 3918
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



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: 0.092 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Instrument :

MSVOA_V

ClientSampleId :

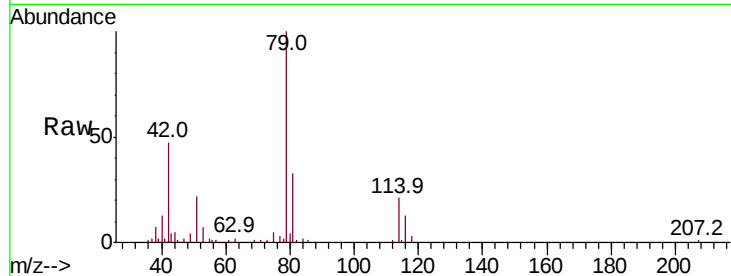
C0AH4

Tot Ion: 75 Resp: 1043

Ion Ratio Lower Upper

75 100

77 48.7 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

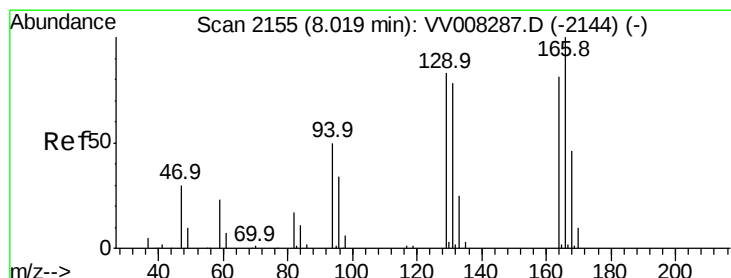
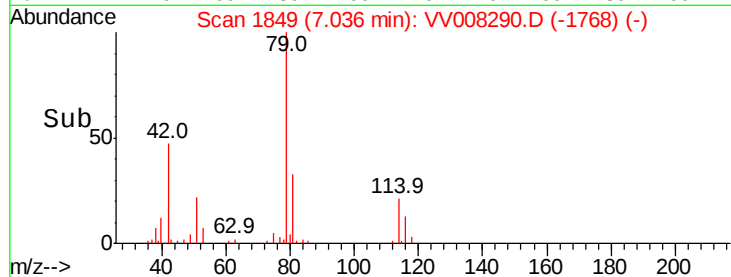
200

0

7.00

7.05

Time-->



#47

Tetrachloroethene

Concen: 2.217 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Tgt Ion: 164 Resp: 11384

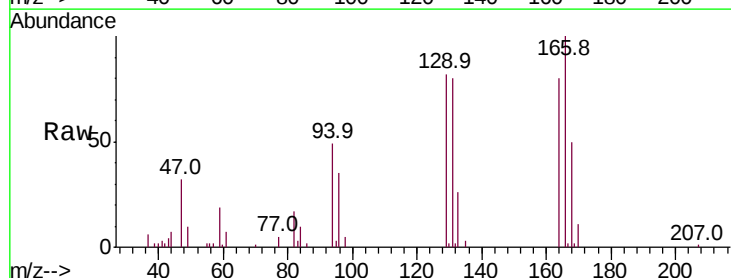
Ion Ratio Lower Upper

164 100

129 102.7 76.5 142.1

131 99.5 74.7 138.7

166 124.5 91.6 170.0



Abundance Ion 163.90 (163.60 to 164.60): VV008287.D (-2144) (-)

Ion 128.95 (128.65 to 129.65): VV008287.D (-2144) (-)

Ion 130.95 (130.65 to 131.65): VV008287.D (-2144) (-)

Ion 165.90 (165.60 to 166.60): VV008287.D (-2144) (-)

12000

10000

8000

6000

4000

2000

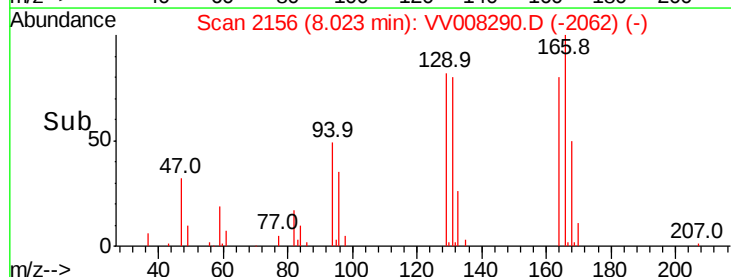
0

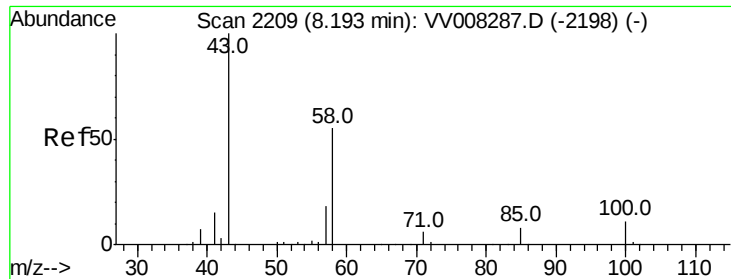
7.95

8.00

8.05

Time-->

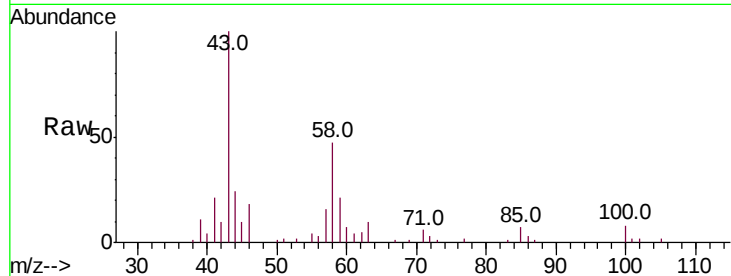




#48
2-Hexanone
Concen: 5.756 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV008290.D
Acq: 16 Oct 2018 11:09

Instrument :
MSVOA_V
ClientSampleId :
C0AH4

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.4	45.0	67.4
57	13.4	14.4	21.6#
100	8.1	7.9	11.9

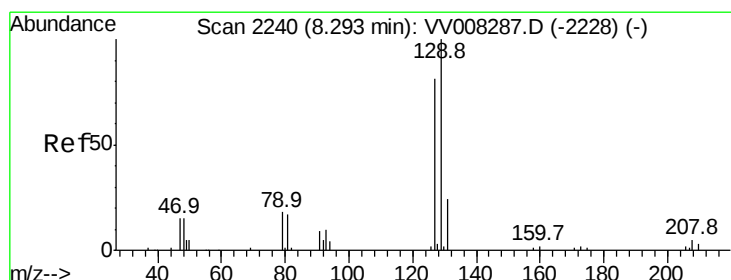
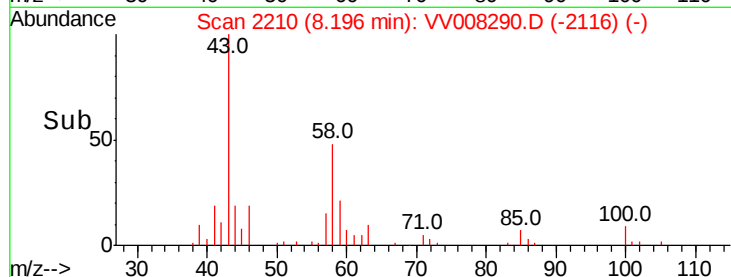
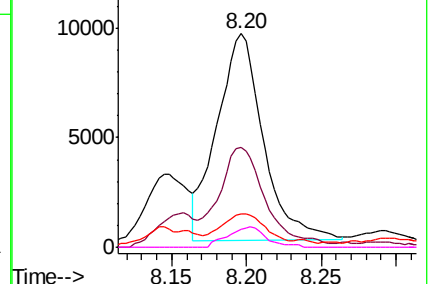


Abundance Ion 43.05 (42.75 to 43.75): VV008290.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV008290.D (-2198) (-)

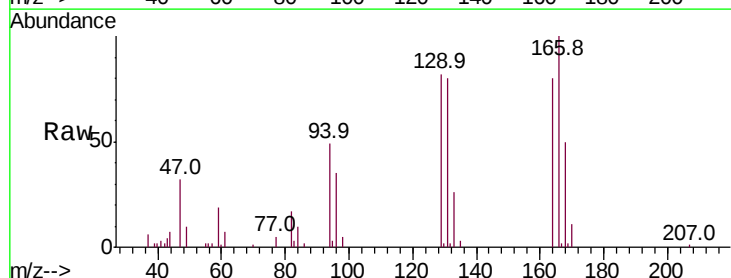
Ion 57.20 (56.90 to 57.90): VV008290.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV008290.D (-2198) (-)



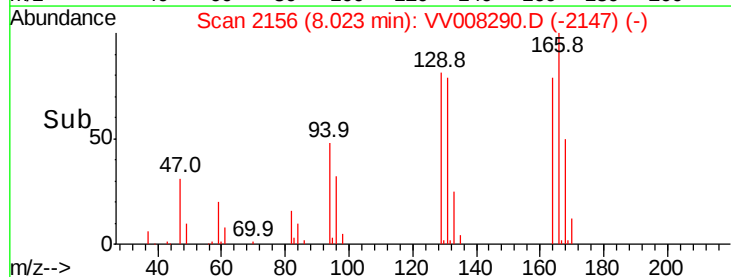
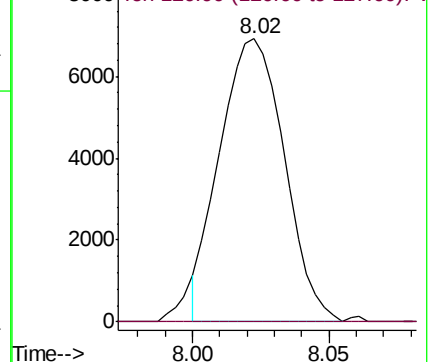
#49
Dibromochloromethane
Concen: 2.018 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008290.D
Acq: 16 Oct 2018 11:09

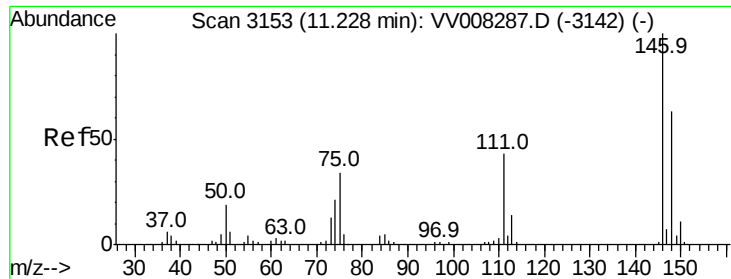
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#



Abundance Ion 128.95 (128.65 to 129.65): VV008290.D (-2147) (-)

Ion 126.90 (126.60 to 127.60): VV008290.D (-2147) (-)





#62

1,3-Dichlorobenzene

Concen: 0.060 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.01 min

Lab File: VV008290.D

Acq: 16 Oct 2018 11:09

Instrument :

MSVOA_V

ClientSampleId :

C0AH4

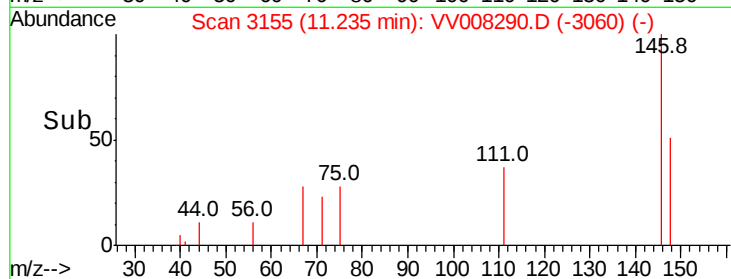
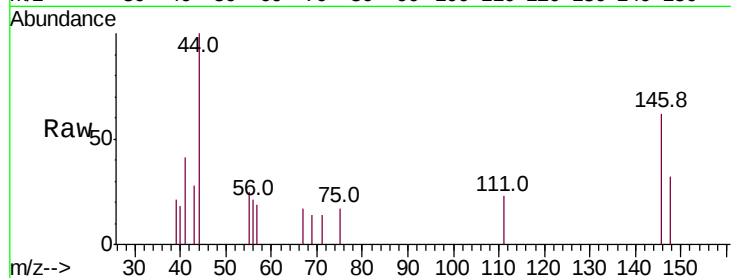
Tot Ion:146 Resp: 683

Ion Ratio Lower Upper

146 100

111 36.9 28.0 52.0

148 51.1 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

