

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007970.D
 Acq On : 28 Sep 2018 23:07
 Operator : SY/MD
 Sample : J5091-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E62S5

Quant Time: Oct 01 04:56:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 04:55:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	92000	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	90139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57038	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18032	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.59	69	17841	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.14	63	30552	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	3.97	46	68547	46.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.42%
24) Chloroform-d	4.41	84	46820	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.09	65	26078	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.10	84	90450	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.12	67	29146	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.36	98	83136	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
43) trans-1,3-Dichloropropene-	7.67	79	9231	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
46) 2-Hexanone-d5	8.14	63	51630	44.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22757	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	44356	4.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.40%

Target Compounds

					Ovalue
13) Acetone	2.22	43	8286	7.666	ug/L 97
15) Methyl Acetate	2.22	43	7380	2.670	ug/L # 51
22) cis-1,2-Dichloroethene	3.97	96	1581	0.233	ug/L 99
30) Cyclohexane	4.72	56	1820	0.179	ug/L # 86
33) Benzene	5.15	78	2509	0.097	ug/L 100
34) Trichloroethene	5.96	95	822	0.111	ug/L 97
35) Methylcyclohexane	6.12	83	7053	0.636	ug/L # 19
37) 1,2-Dichloropropane	6.13	63	3458	0.524	ug/L # 87
39) cis-1,3-Dichloropropene	7.03	75	781	0.089	ug/L # 49
47) Tetrachloroethene	8.02	164	2117	0.309	ug/L 97
48) 2-Hexanone	8.14	43	7382	2.565	ug/L # 72
49) Dibromochloromethane	8.03	129	1733	0.319	ug/L # 12
51) Chlorobenzene	8.93	112	1185219	61.045	ug/L 99
62) 1,3-Dichlorobenzene	11.23	146	1924250	102.188	ug/L 99
63) 1,4-Dichlorobenzene	11.33	146	4407533	225.116	ug/L 98
65) 1,2-Dichlorobenzene	11.70	146	4858887	273.715	ug/L 97
66) 1,2-Dibromo-3-chloropropan	12.45	75	197	0.218	ug/L # 1

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Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 30 Sample Multiplier: 1

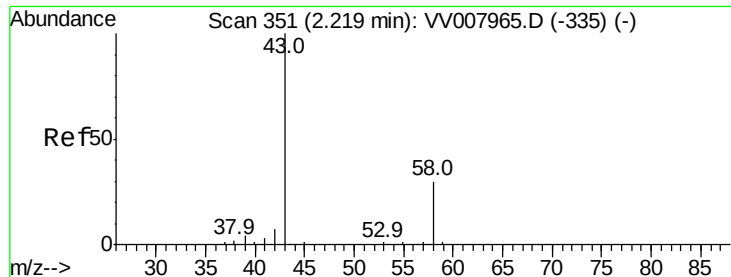
Instrument :
MSVOA_V
ClientSampleId :
E62S5

Quant Time: Oct 01 04:56:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 04:55:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	12.69	180	882	0.055	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	126170	9.258	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	47833	3.876	ug/L	99

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

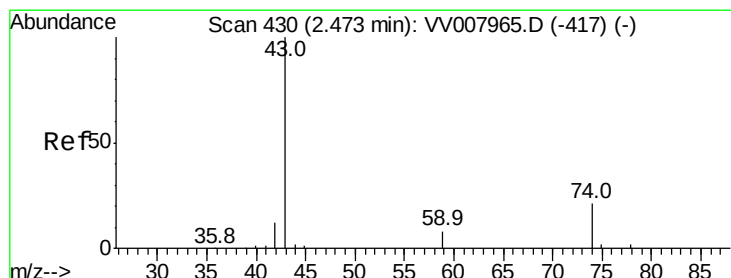
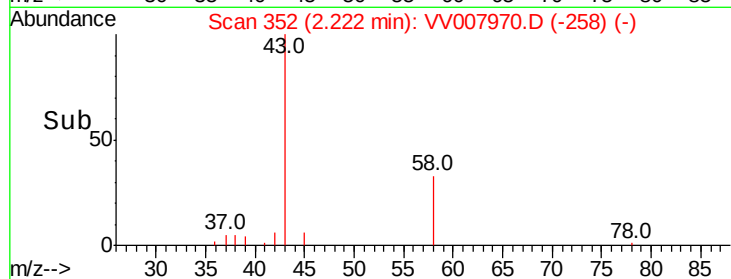
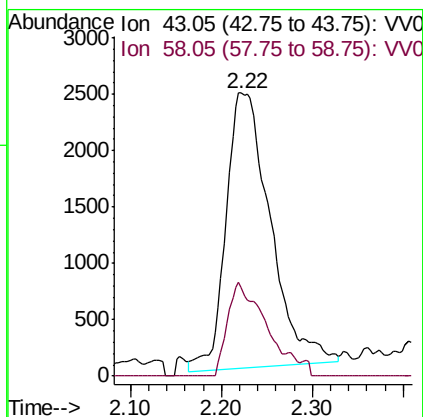
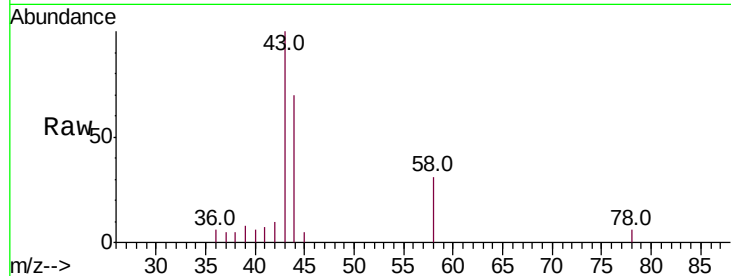
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Data File : VV007970.D
Acq On    : 28 Sep 2018   23:07
Operator  : SY/MD
Sample    : J5091-01
Misc      : 25.0 mL/MSVOA V/WATER
ALS Vial  : 30      Sample Multiplier: 1
```



#13
Acetone
Concen: 7.666 ug/L
RT: 2.22 min Scan# 352
Delta R.T. 0.00 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

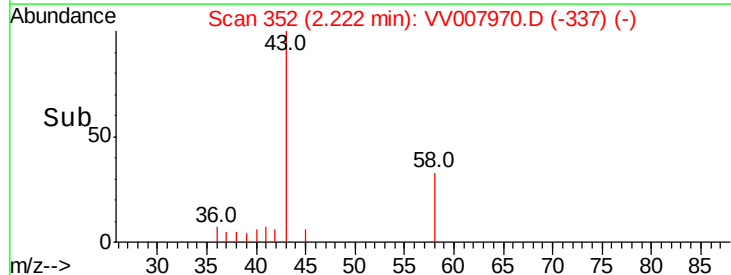
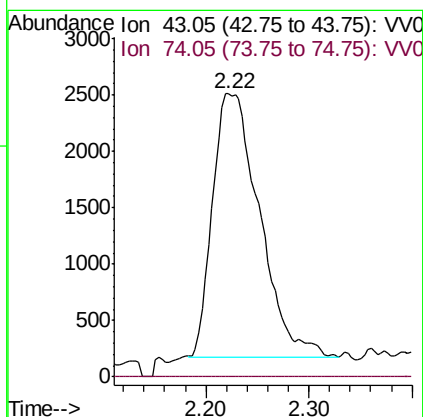
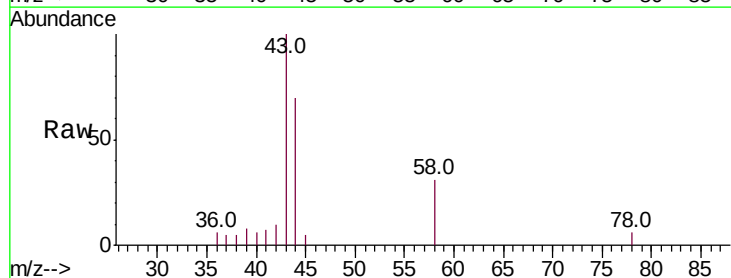
Instrument :
MSVOA_V
ClientSampleId :
E62S5

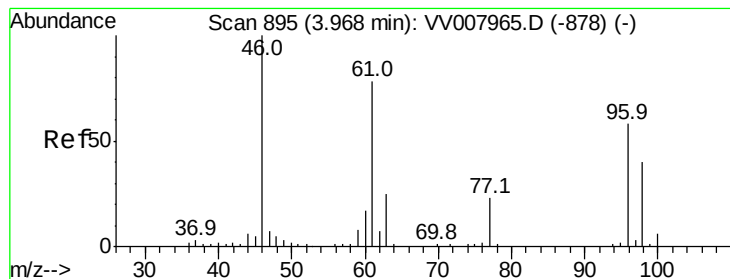
Tot Ion: 43 Resp: 8286
Ion Ratio Lower Upper
43 100
58 29.6 0.0 62.0



#15
Methyl Acetate
Concen: 2.670 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.25 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Tgt Ion: 43 Resp: 7380
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



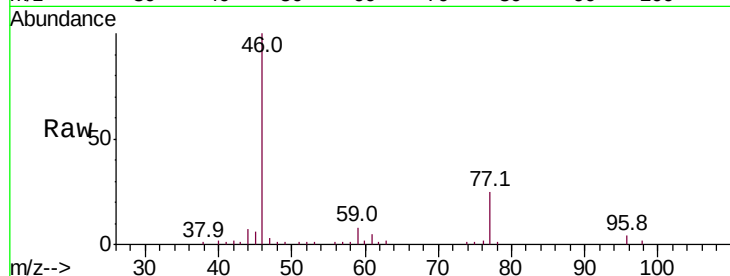


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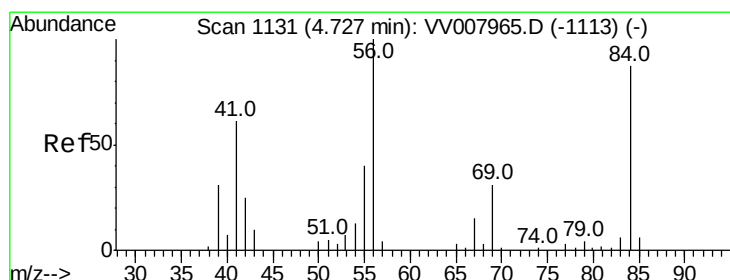
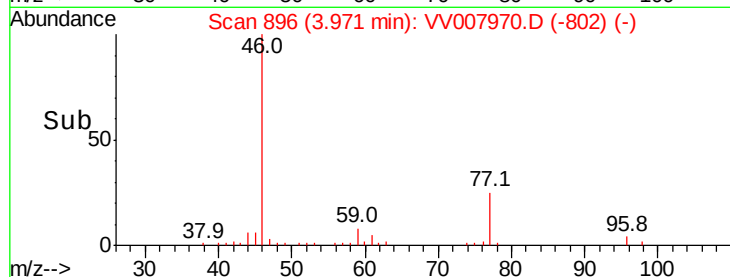
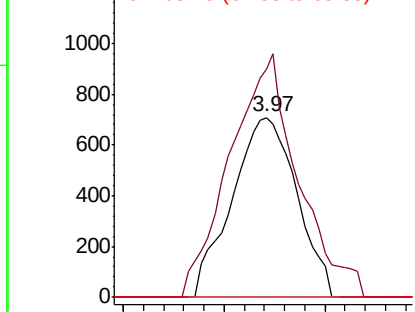
cis-1,2-Dichloroethene
 Concen: 0.233 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV007970.D
 Acq: 28 Sep 2018 23:07

Instrument :
 MSVOA_V
 ClientSampled :
 E62S5

Tot Ion: 96 Resp: 1581
 Ion Ratio Lower Upper
 96 100
 61 127.0 89.5 166.1
 68 0.0 0.0 0.0



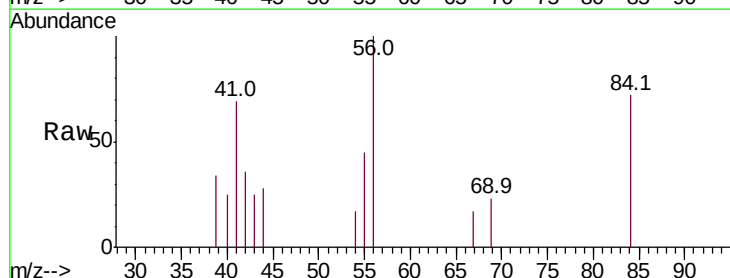
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



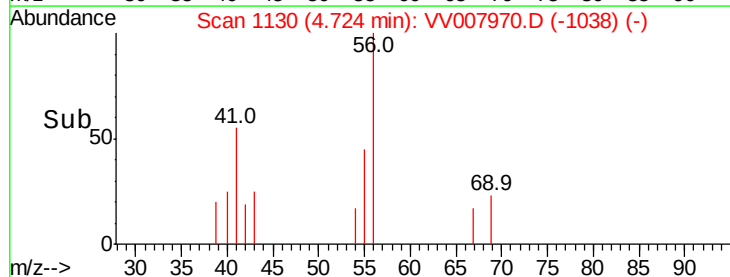
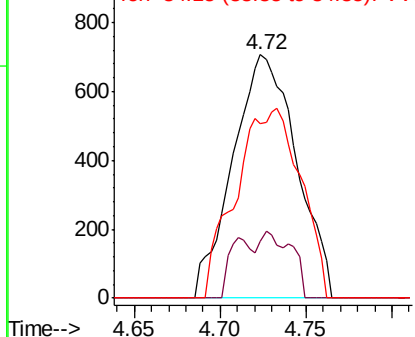
#30

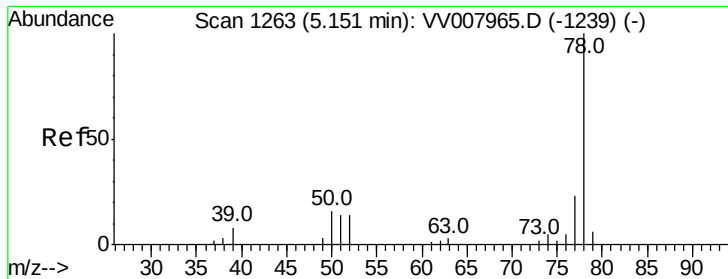
Cyclohexane
 Concen: 0.179 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV007970.D
 Acq: 28 Sep 2018 23:07

Tgt Ion: 56 Resp: 1820
 Ion Ratio Lower Upper
 56 100
 69 13.5 24.2 36.4#
 84 79.5 69.8 104.8



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#33

Benzene

Concen: 0.097 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV007970.D

Acq: 28 Sep 2018 23:07

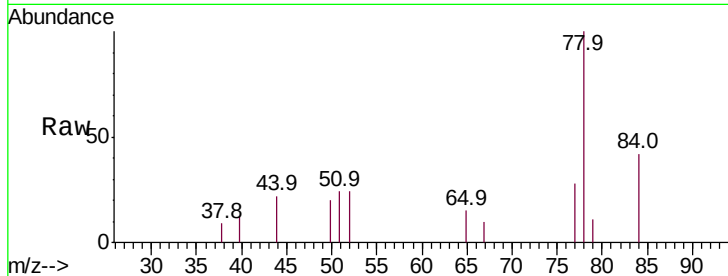
Instrument :

MSVOA_V

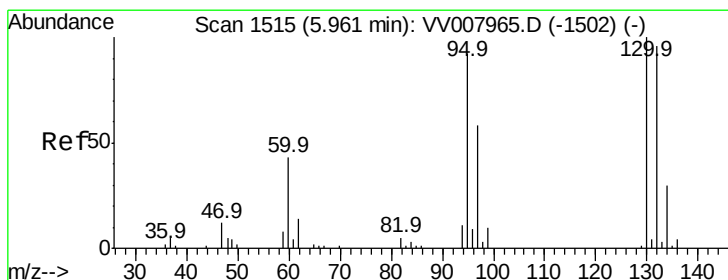
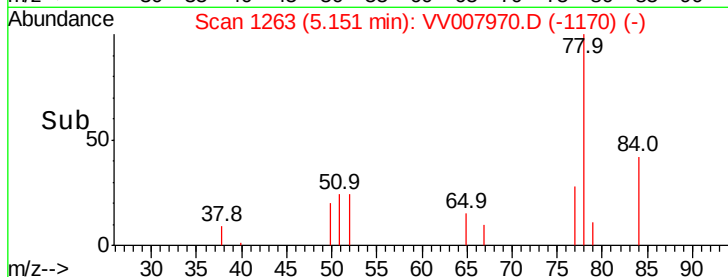
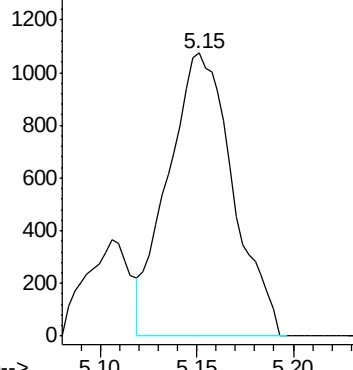
ClientSampleId :

E62S5

Tgt Ion: 78 Resp: 2509



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.111 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007970.D

Acq: 28 Sep 2018 23:07

Tgt Ion: 95 Resp: 822

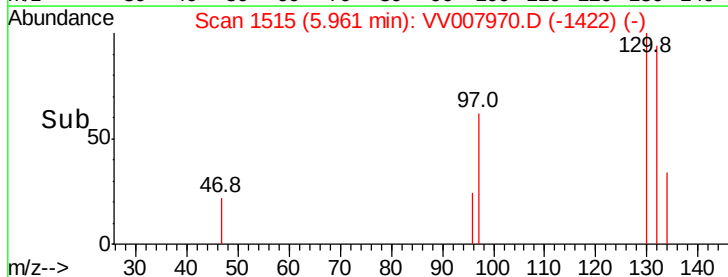
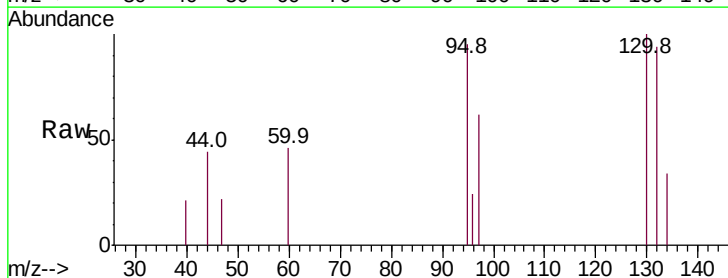
Ion	Ratio	Lower	Upper
95	100		
97	66.1	43.6	81.0
132	99.4	69.9	129.9
130	105.7	71.7	133.3

Abundance Ion 95.00 (94.70 to 95.70): VV0

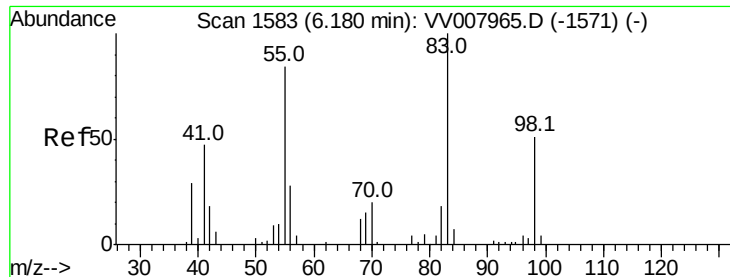
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



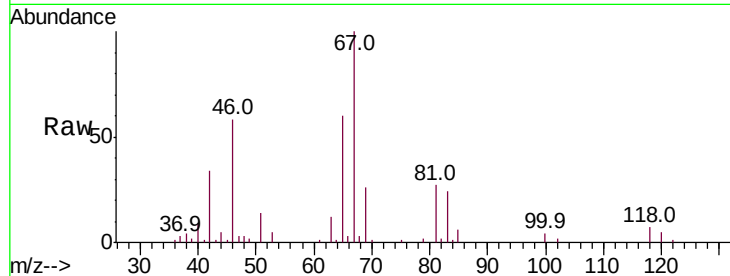
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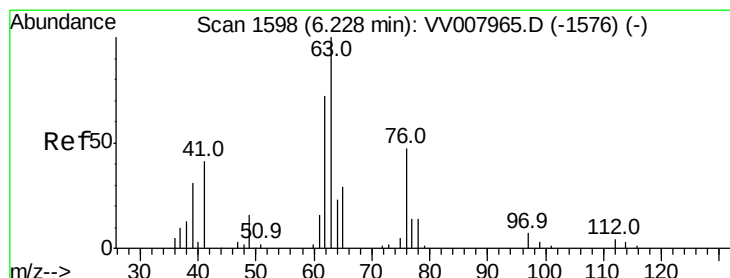
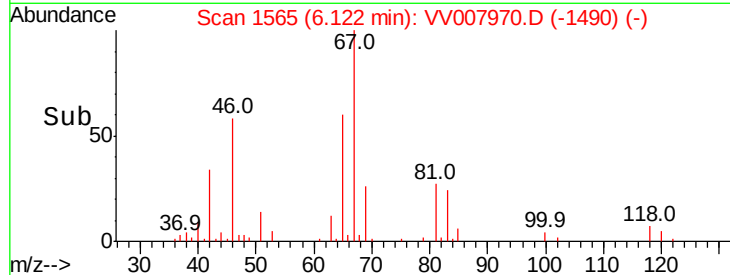
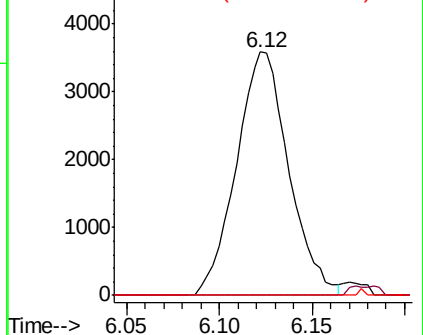
#35
Methylvlcyclohexane
Concen: 0.636 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.06 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Instrument :
MSVOA_V
ClientSampleId :
E62S5

Tot Ion: 83 Resp: 7053
Ion Ratio Lower Upper
83 100
55 2.0 62.2 93.2#
98 0.3 38.0 57.0#

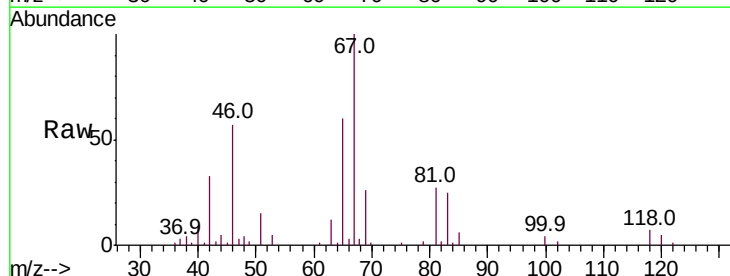


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

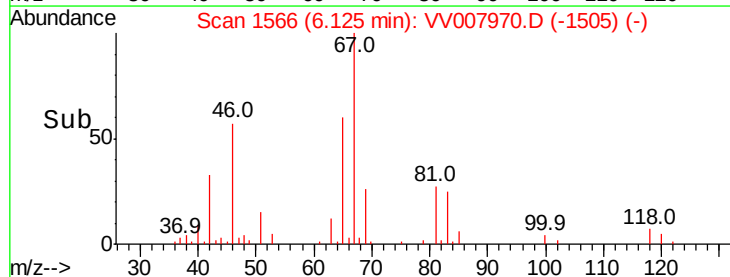
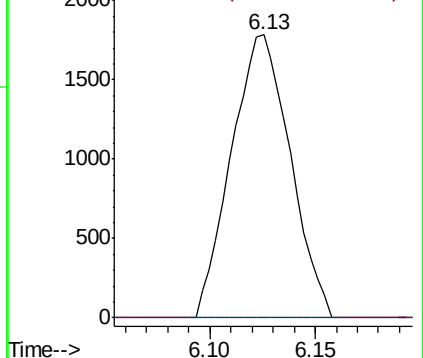


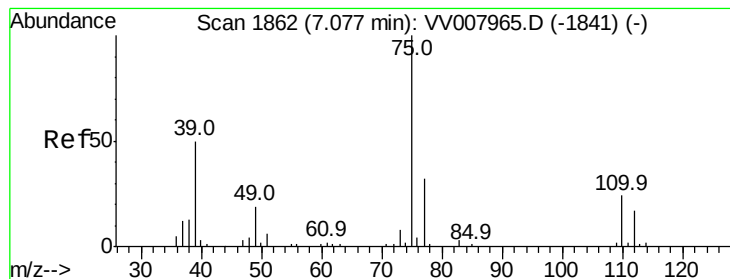
#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Tgt Ion: 63 Resp: 3458
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



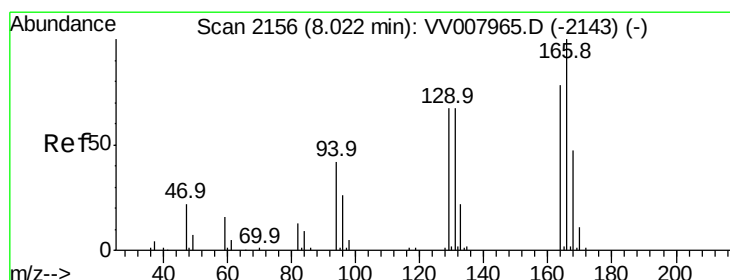
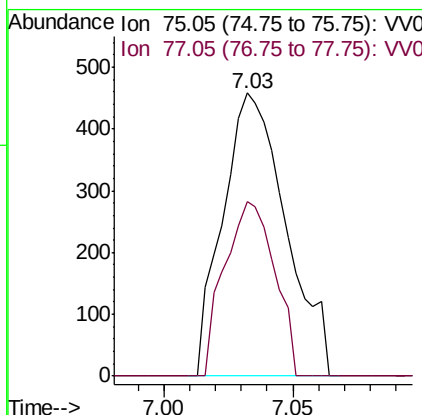
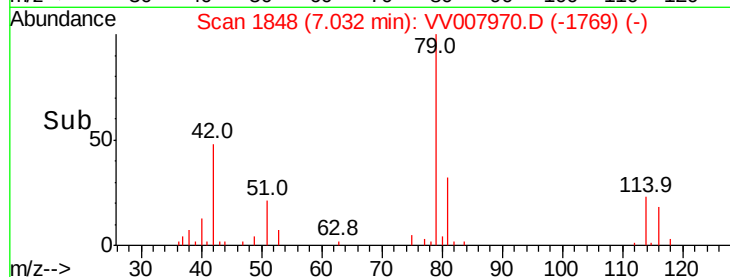
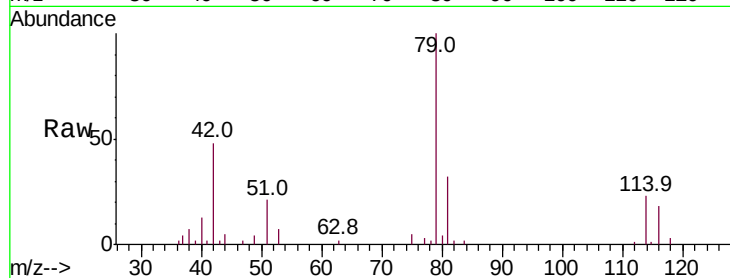


#39

cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Instrument :
MSVOA_V
ClientSampled :
E62S5

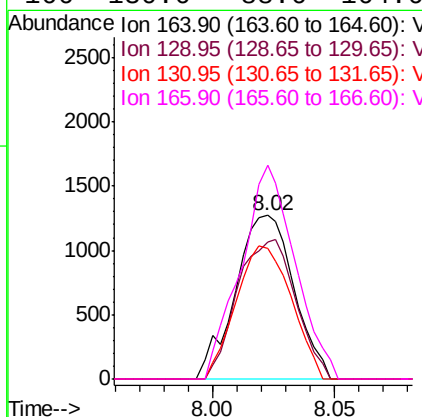
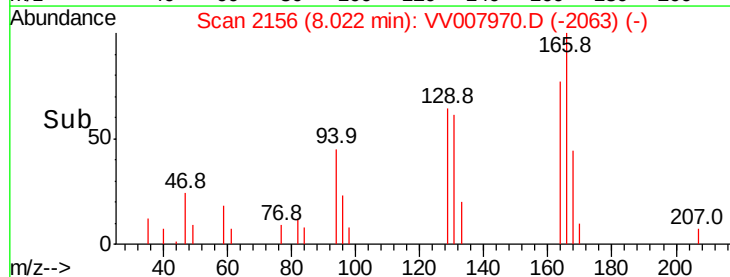
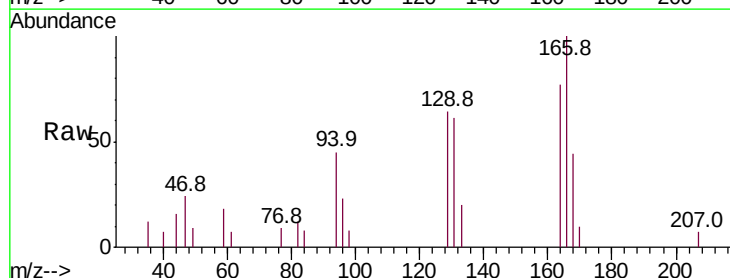
Tot Ion: 75 Resp: 781
Ion Ratio Lower Upper
75 100
77 61.6 22.9 42.5#

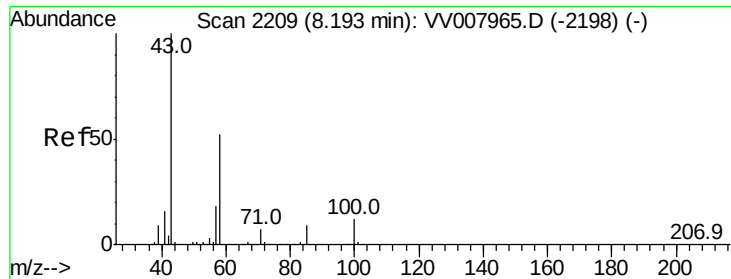


#47

Tetrachloroethene
Concen: 0.309 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Tgt Ion: 164 Resp: 2117
Ion Ratio Lower Upper
164 100
129 83.4 59.2 110.0
131 79.5 57.1 106.1
166 130.6 88.6 164.6

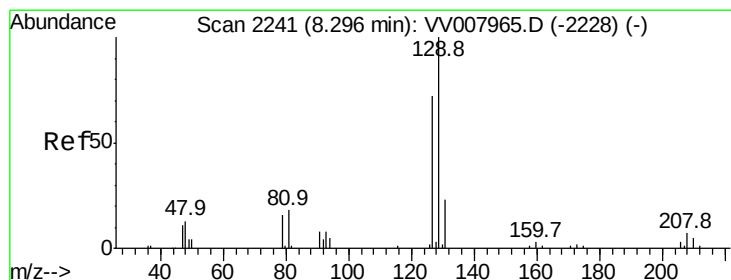
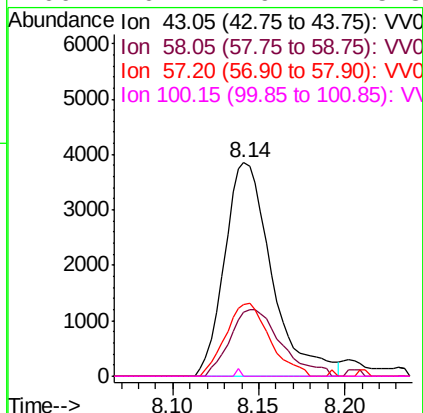
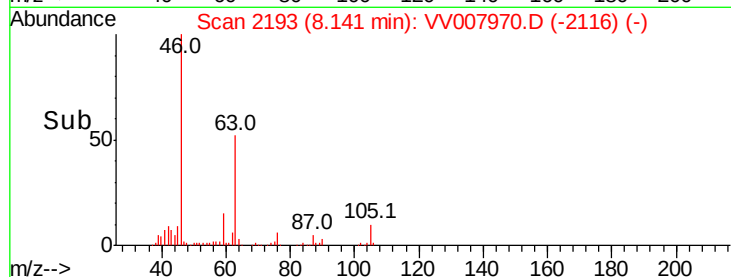
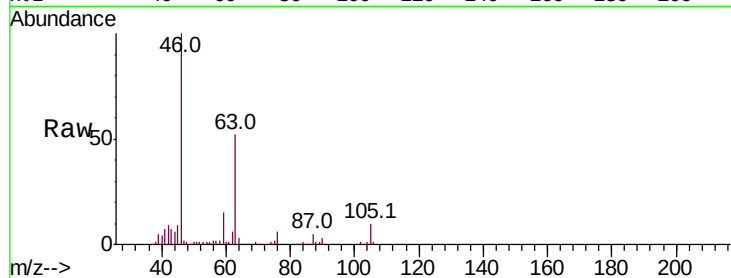




#48
2-Hexanone
Concen: 2.565 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.05 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

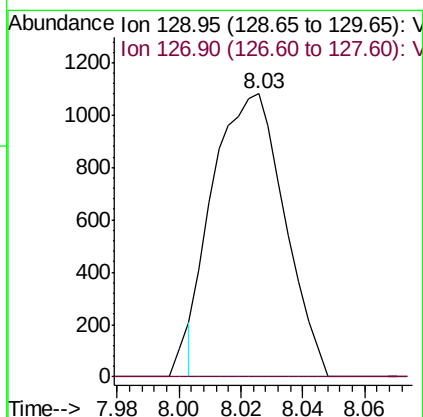
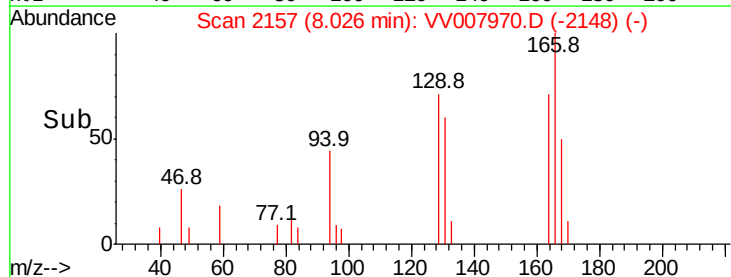
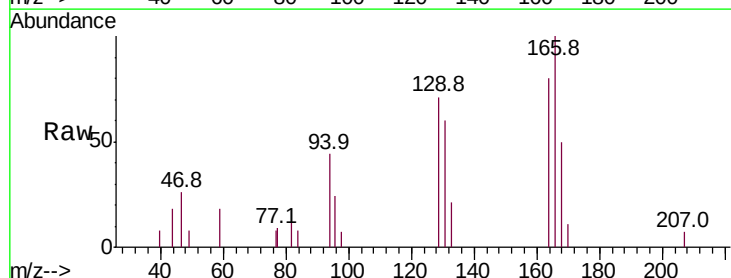
Instrument :
MSVOA_V
ClientSampleId :
E62S5

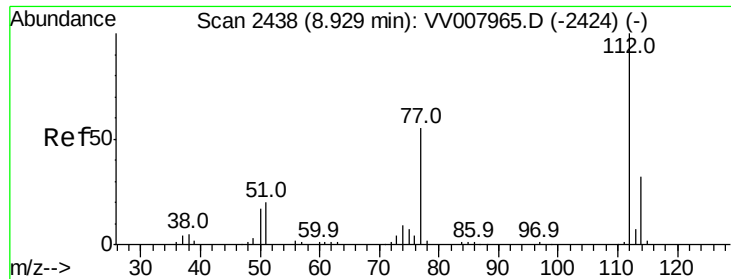
Tot Ion: 43 Resp: 7382
Ion Ratio Lower Upper
43 100
58 33.8 41.9 62.9#
57 31.8 14.3 21.5#
100 0.4 9.2 13.8#



#49
Dibromochloromethane
Concen: 0.319 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. -0.27 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Tgt Ion: 129 Resp: 1733
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#

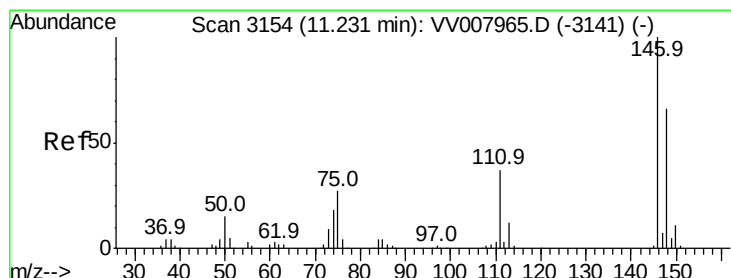
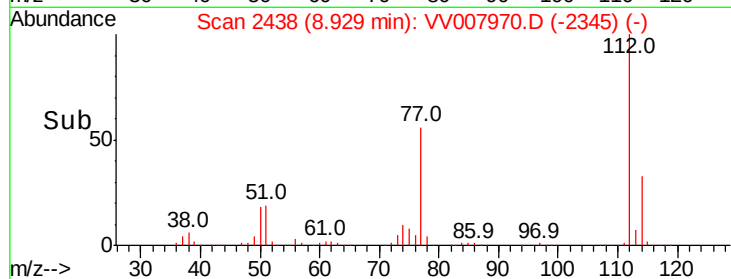
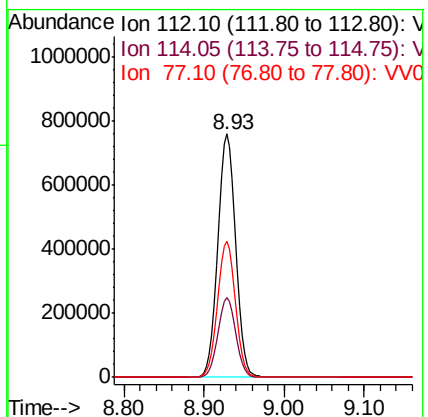
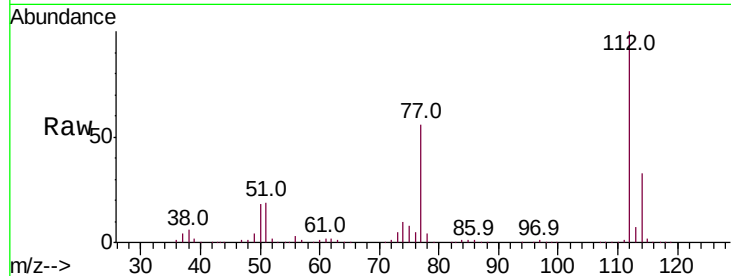




#51
Chlorobenzene
Concen: 61.045 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

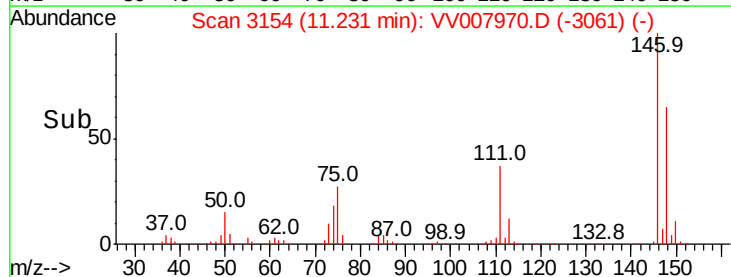
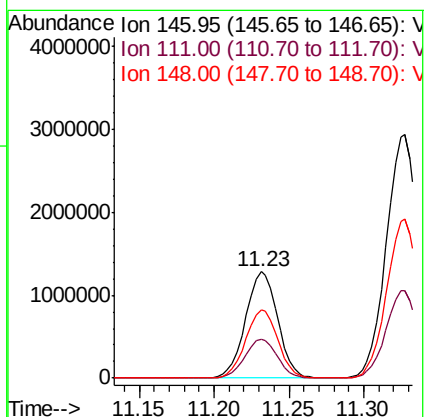
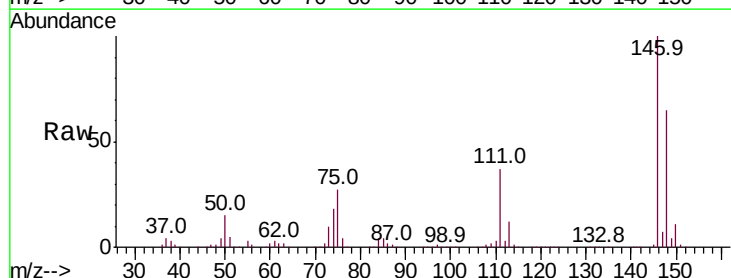
Instrument :
MSVOA_V
ClientSampleId :
E62S5

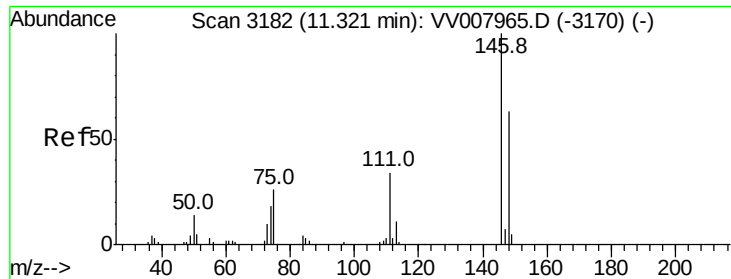
Tot Ion:112 Resp: 1185219
Ion Ratio Lower Upper
112 100
114 32.7 22.4 41.6
77 56.0 45.0 67.6



#62
1,3-Dichlorobenzene
Concen: 102.188 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VV007970.D
Acq: 28 Sep 2018 23:07

Tgt Ion:146 Resp: 1924250
Ion Ratio Lower Upper
146 100
111 37.1 25.8 48.0
148 64.6 44.7 82.9





#63

1,4-Dichlorobenzene

Concen: 225.116 ug/L

RT: 11.33 min Scan# 3184

Delta R.T. 0.01 min

Lab File: VV007970.D

Acq: 28 Sep 2018 23:07

Instrument :

MSVOA_V

ClientSampleId :

E62S5

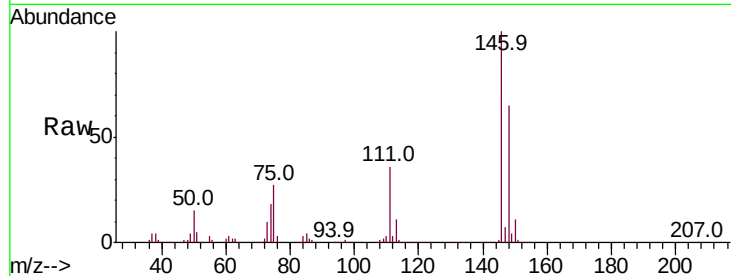
Tot Ion:146 Resp: 4407533

Ion Ratio Lower Upper

146 100

111 35.7 25.3 47.1

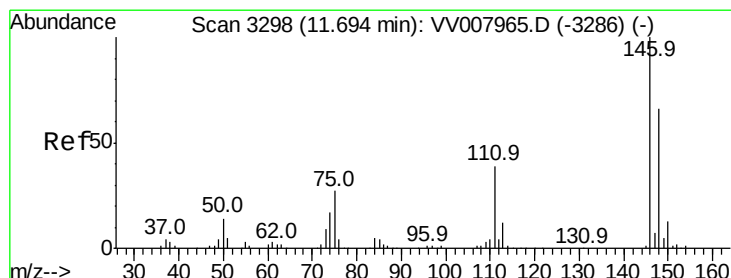
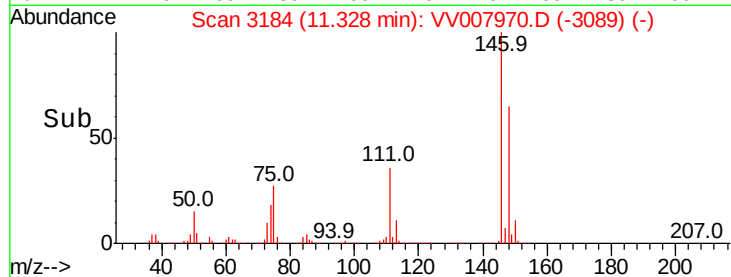
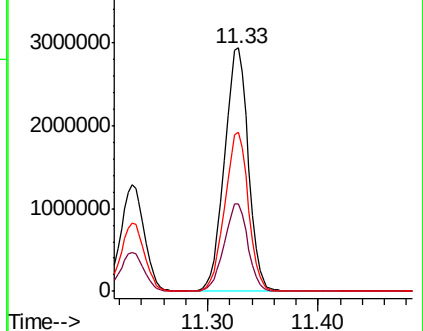
148 65.3 44.7 82.9



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



#65

1,2-Dichlorobenzene

Concen: 273.715 ug/L

RT: 11.70 min Scan# 3300

Delta R.T. 0.01 min

Lab File: VV007970.D

Acq: 28 Sep 2018 23:07

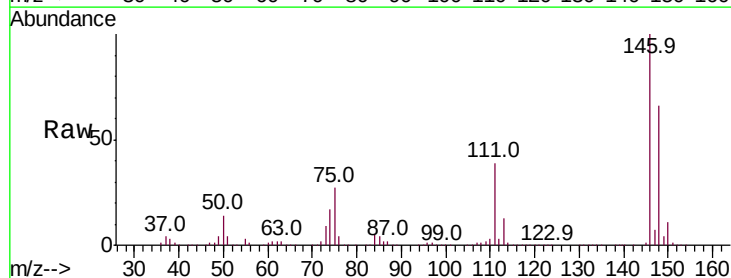
Tgt Ion:146 Resp: 4858887

Ion Ratio Lower Upper

146 100

111 38.8 31.2 46.8

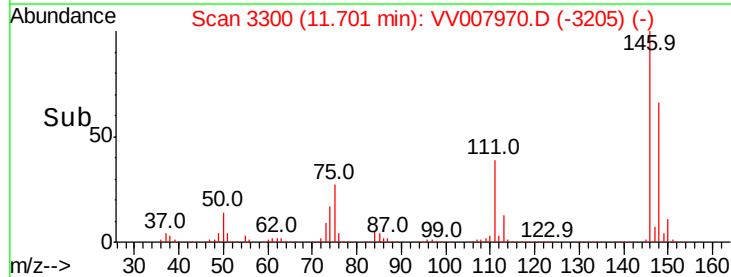
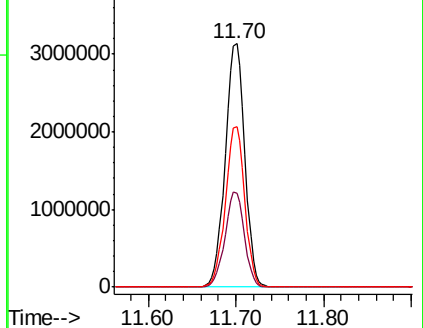
148 66.1 50.3 75.5

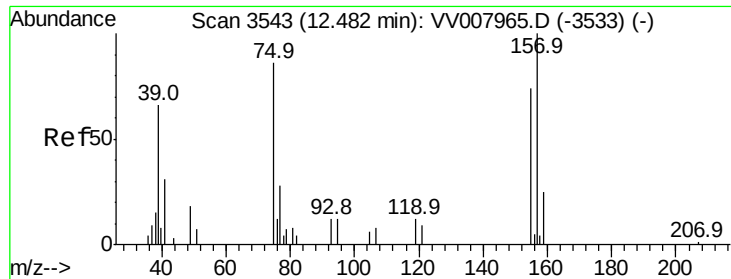


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

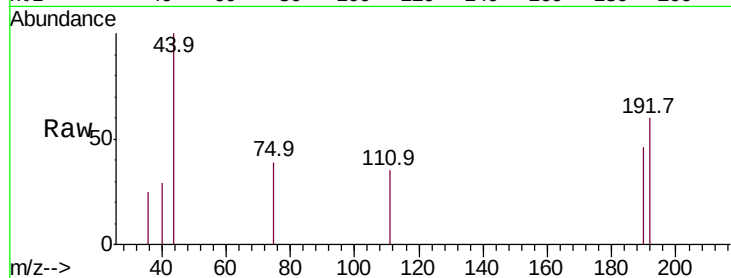




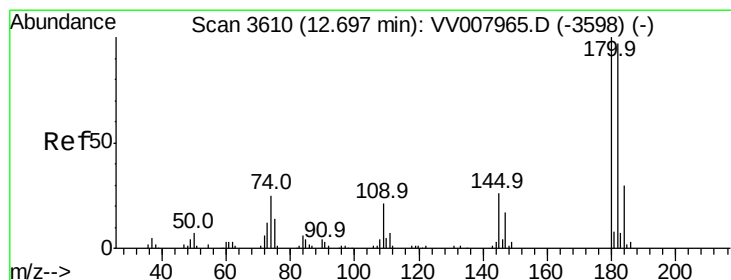
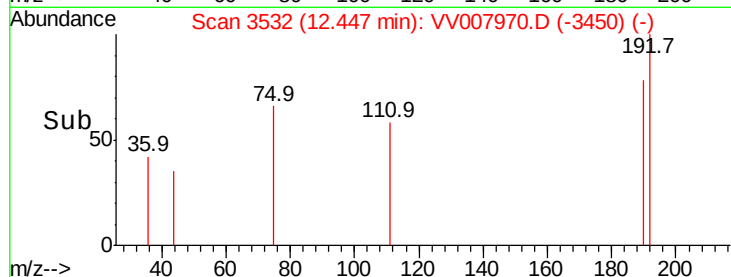
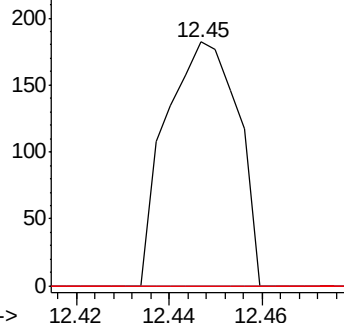
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.218 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.04 min
 Lab File: VV007970.D
 Acq: 28 Sep 2018 23:07

Instrument :
 MSVOA_V
 ClientSampleId :
 E62S5

Tot Ion: 75 Resp: 197
 Ion Ratio Lower Upper
 75 100
 155 0.0 83.4 125.2#
 157 0.0 93.9 140.9#

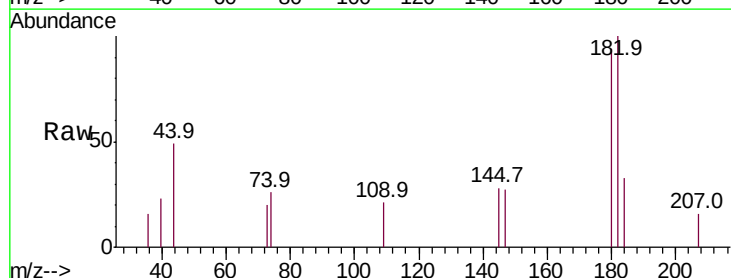


Abundance Ion 75.05 (74.75 to 75.75): VV007965.D (-3533) (-)
 Ion 154.95 (154.65 to 155.65): VV007965.D (-3533) (-)
 Ion 156.90 (156.60 to 157.60): VV007965.D (-3533) (-)

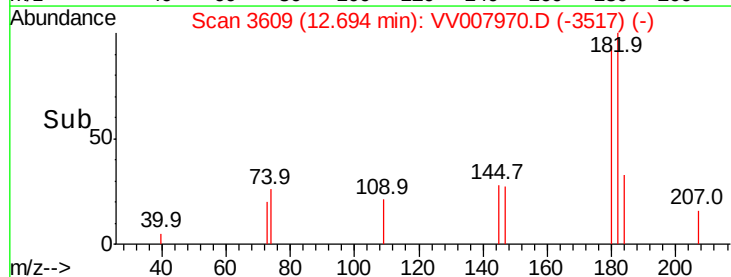
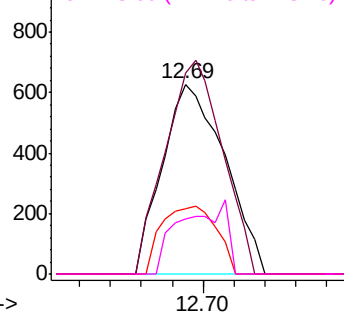


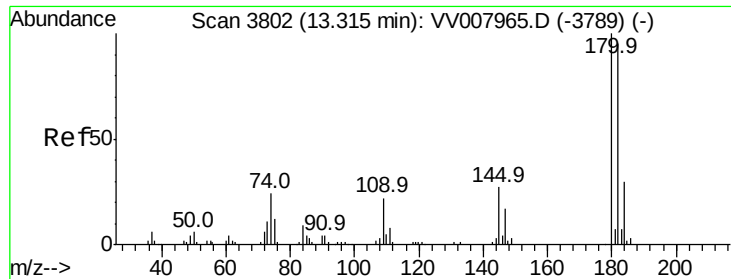
#67
 1,3,5-Trichlorobenzene
 Concen: 0.055 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV007970.D
 Acq: 28 Sep 2018 23:07

Tgt Ion: 180 Resp: 882
 Ion Ratio Lower Upper
 180 100
 182 103.3 76.2 114.4
 184 31.4 24.5 36.7
 145 28.1 22.2 33.4



Abundance Ion 180.00 (179.70 to 180.70): VV007965.D (-3598) (-)
 Ion 182.00 (181.70 to 182.70): VV007965.D (-3598) (-)
 Ion 184.00 (183.70 to 184.70): VV007965.D (-3598) (-)
 Ion 145.00 (144.70 to 145.70): VV007965.D (-3598) (-)

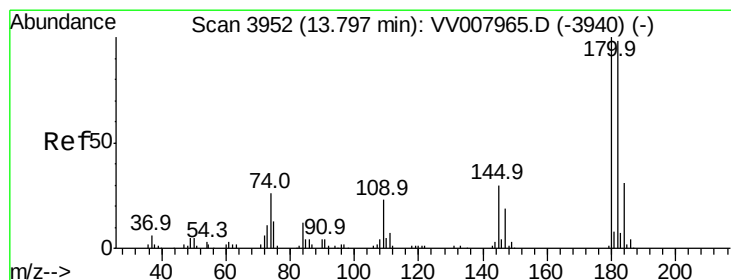
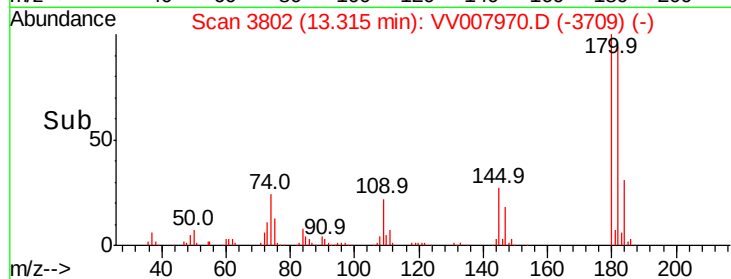
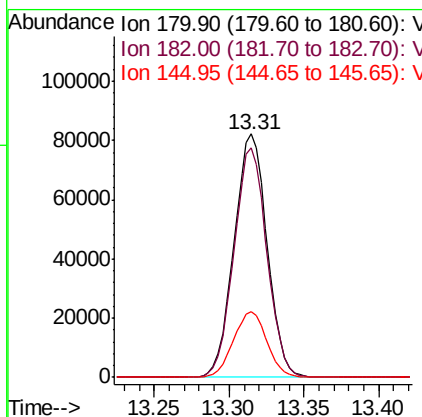
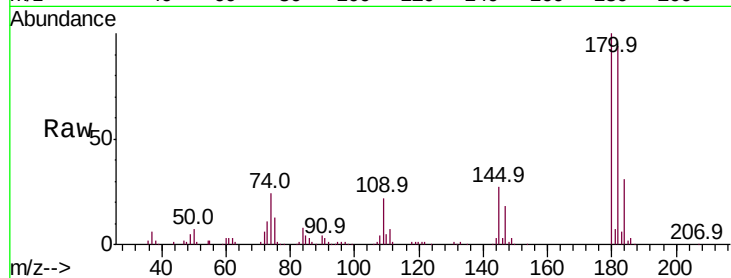




#68
 1,2,4-trichlorobenzene
 Concen: 9.258 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007970.D
 Acq: 28 Sep 2018 23:07

Instrument :
 MSVOA_V
 ClientSampled :
 E62S5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.4	116.2
145	27.3	22.6	33.8



#70
 1,2,3-Trichlorobenzene
 Concen: 3.876 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV007970.D
 Acq: 28 Sep 2018 23:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
145	29.2	23.4	35.0

