

Data File : VV008976.D
Acq On : 17 Dec 2018 13:43
Operator : SY/MD
Sample : J6383-02DL 500X
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0935DL

Quant Time: Dec 18 01:50:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 18 01:46:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	210840	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	197297	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89865	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62409	50.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.38%
7) Chloroethane-d5	1.56	69	44678	57.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.32%
11) 1,1-Dichloroethene-d2	2.13	63	114322	39.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.64%
21) 2-Butanone-d5	3.93	46	93984	114.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.32%
24) Chloroform-d	4.41	84	130544	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.38%
26) 1,2-Dichloroethane-d4	5.08	65	86445	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.32%
32) Benzene-d6	5.10	84	271457	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
36) 1,2-Dichloropropane-d6	6.12	67	82922	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.80%
41) Toluene-d8	7.36	98	253598	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%
43) trans-1,3-Dichloropropene-	7.67	79	40935	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.04%
47) 2-Hexanone-d5	8.14	63	66150	111.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101450	49.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.36%
64) 1,2-Dichlorobenzene-d4	11.68	152	96506	52.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.14%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	2.13	101	1133	0.482 ug/L #	36
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1133	0.787 ug/L #	18
12) 1,1-Dichloroethene	2.13	96	934	0.713 ug/L #	1
33) Benzene	5.15	78	52121	9.584 ug/L	100
35) Methylcyclohexane	6.12	83	20029	8.603 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	9424	6.703 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2509	1.119 ug/L #	73
44) trans-1,3-Dichloropropene	7.67	75	1774	0.849 ug/L #	79
48) 2-Hexanone	8.18	43	2576	1.904 ug/L #	44
51) Chlorobenzene	8.93	112	240720	60.629 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.27	83	733	0.350 ug/L #	1
59) 1,2,3-Trichloropropane	11.23	75	2619	1.479 ug/L #	42
62) 1,3-Dichlorobenzene	11.23	146	9071	3.149 ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	81575	28.122 ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	104469	35.715 ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	5440	2.930 ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	5440	4.272 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121718\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

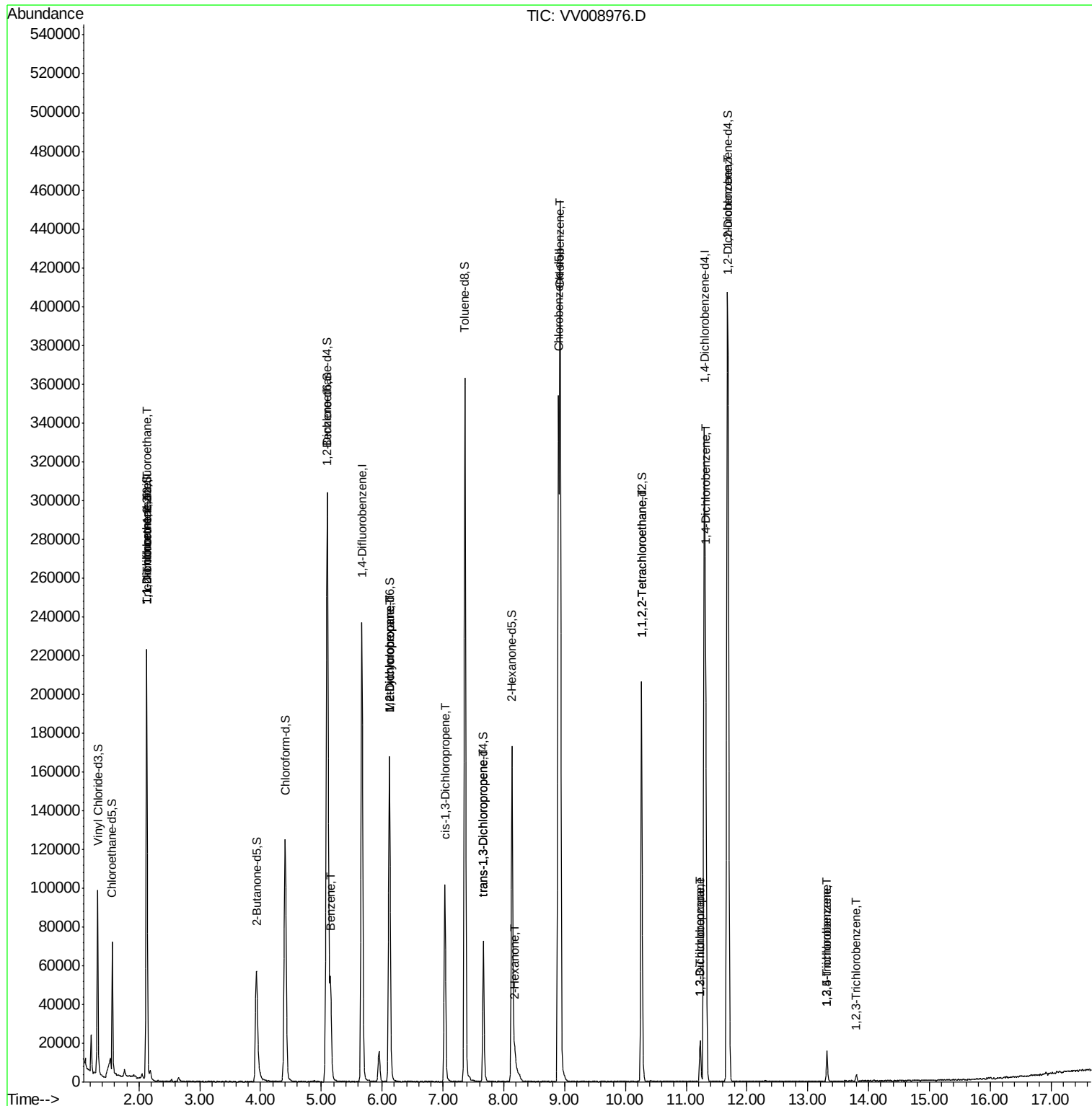
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.80	180	1337	1.043	ug/L #	94

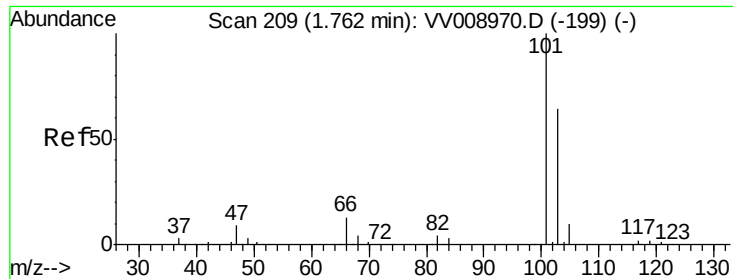
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.482 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.37 min

Lab File: VV008976.D

Acq: 17 Dec 2018 13:43

Instrument :

MSVOA_V

ClientSampleId :

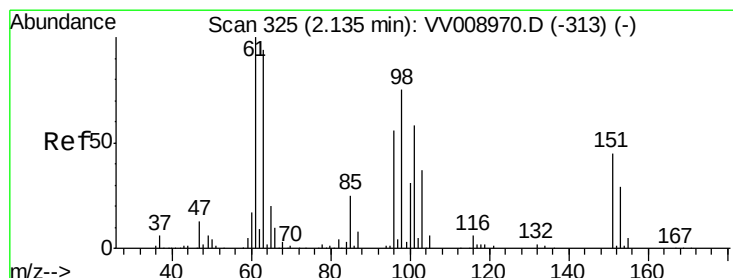
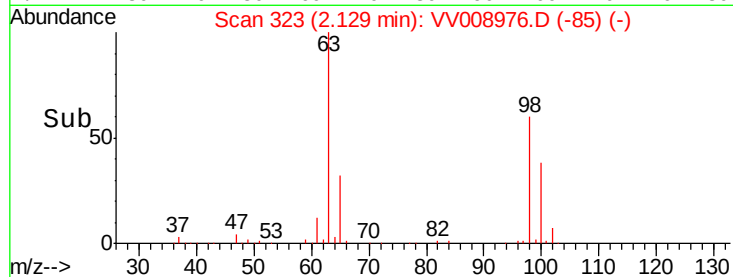
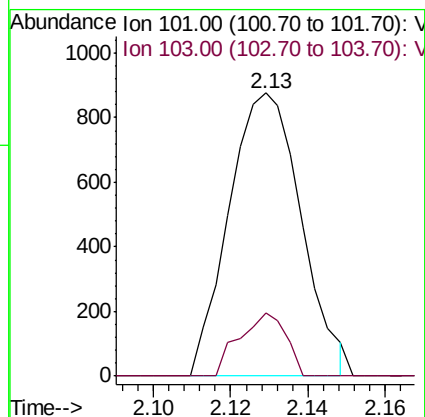
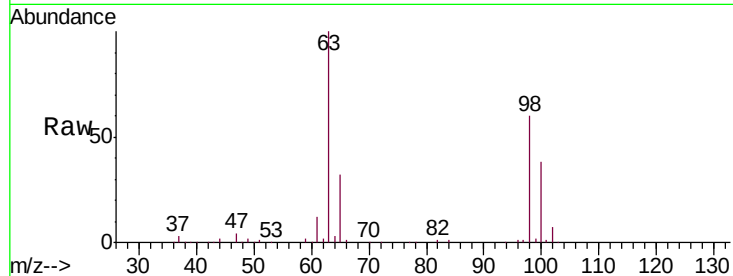
C0935DL

Tgt Ion:101 Resp: 1133

Ion Ratio Lower Upper

101 100

103 14.5 51.5 77.3#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.787 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008976.D

Acq: 17 Dec 2018 13:43

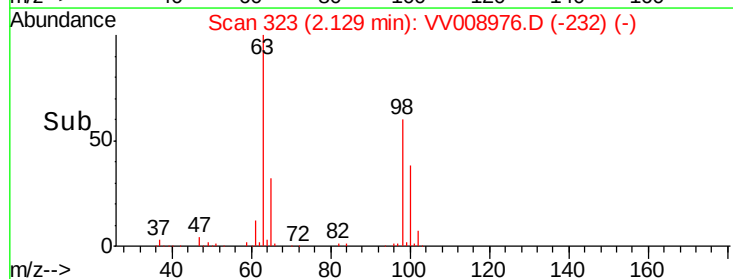
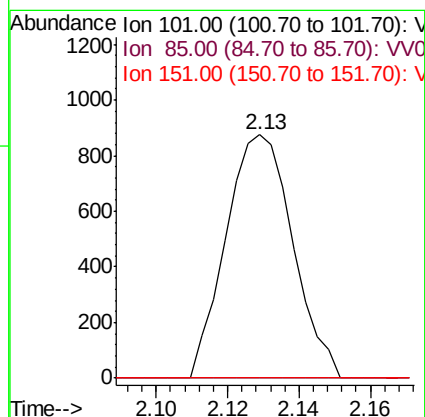
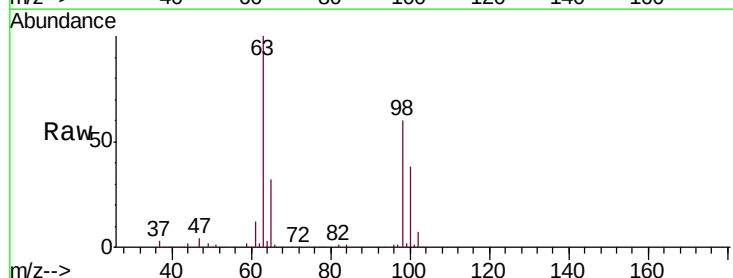
Tgt Ion:101 Resp: 1133

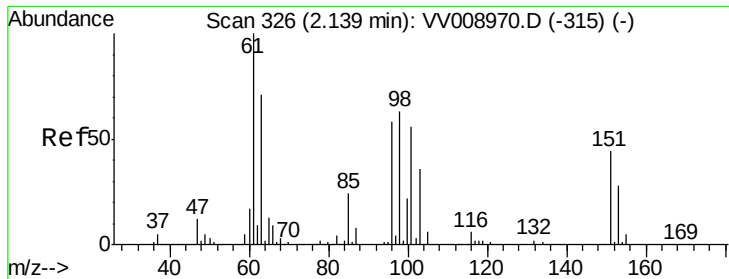
Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 0.0 63.8 95.8#

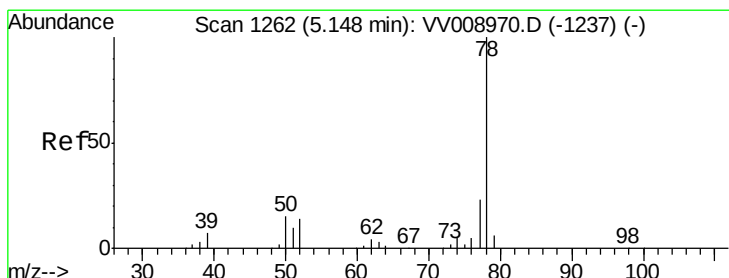
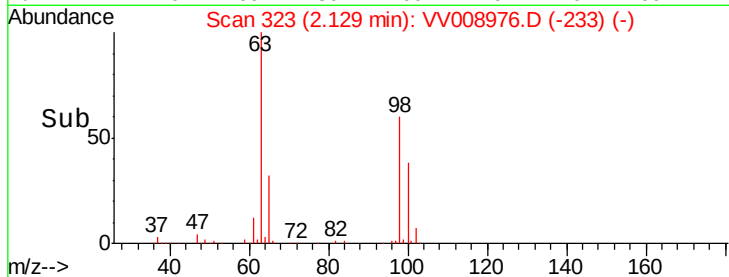
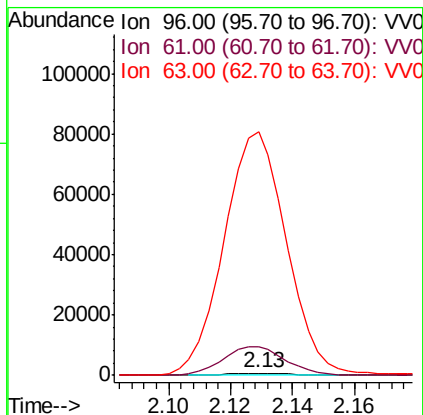
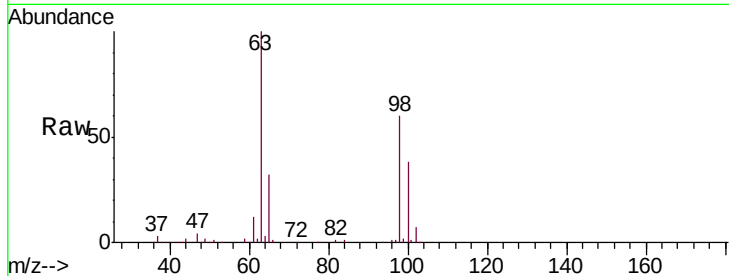




#12
 1,1-Dichloroethene
 Concen: 0.713 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

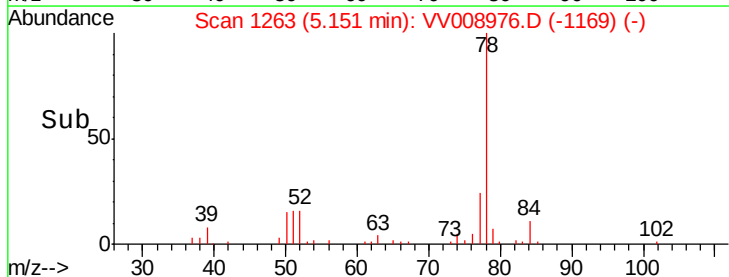
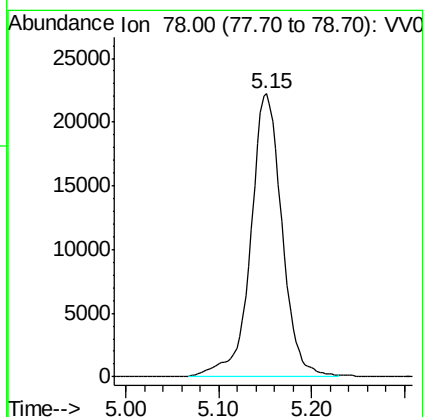
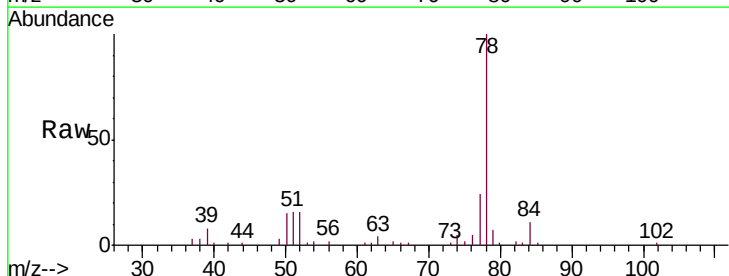
Instrument :
 MSVOA_V
 ClientSampled :
 C0935DL

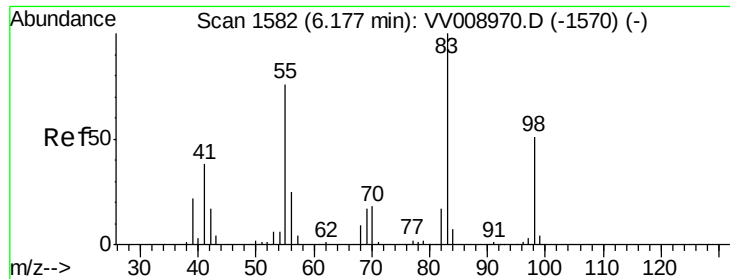
Tgt Ion: 96 Resp: 934
 Ion Ratio Lower Upper
 96 100
 61 1719.0 119.1 221.3#
 63 14431.5 96.0 178.2#



#33
 Benzene
 Concen: 9.584 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

Tgt Ion: 78 Resp: 52121

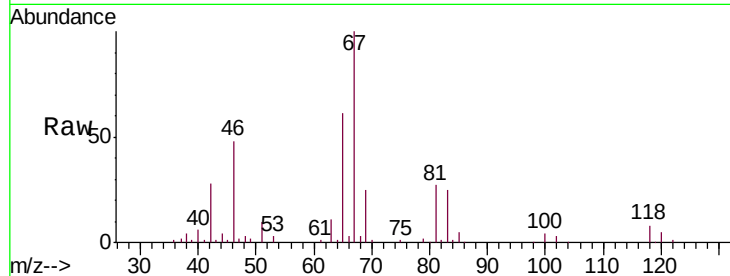




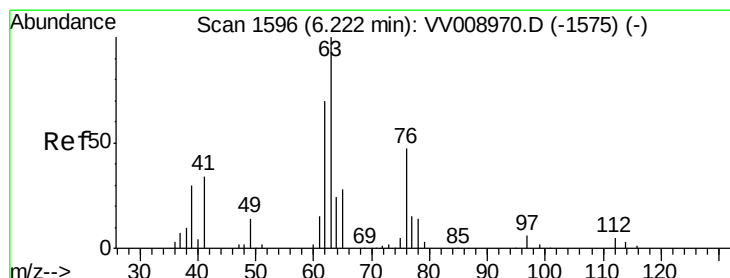
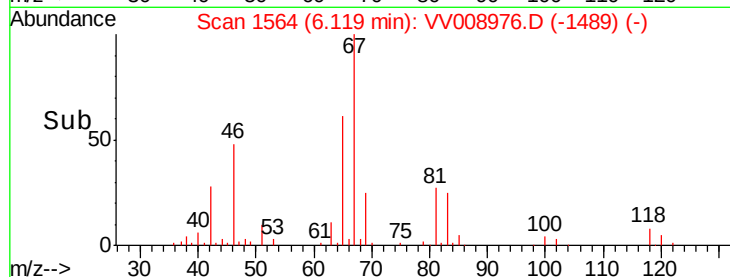
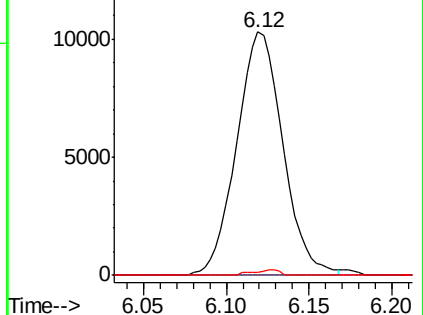
#35
Methylcyclohexane
Concen: 8.603 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV008976.D
Acq: 17 Dec 2018 13:43

Instrument :
MSVOA_V
ClientSampleId :
C0935DL

Tgt Ion: 83 Resp: 20029
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 0.5 39.0 58.4#

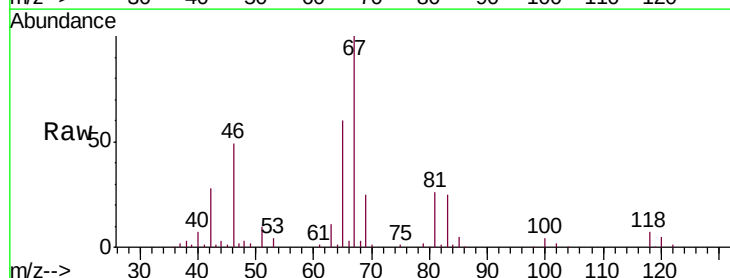


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

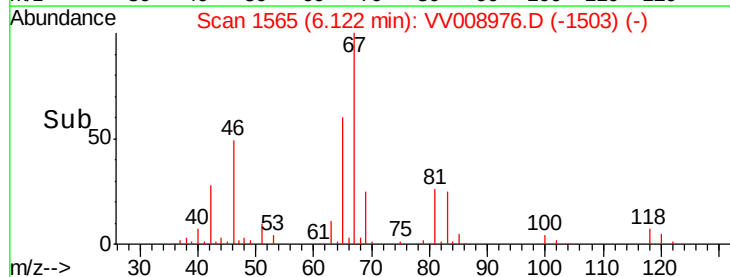
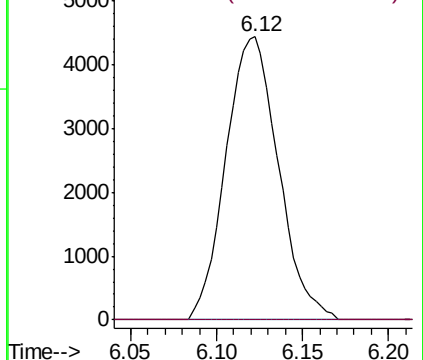


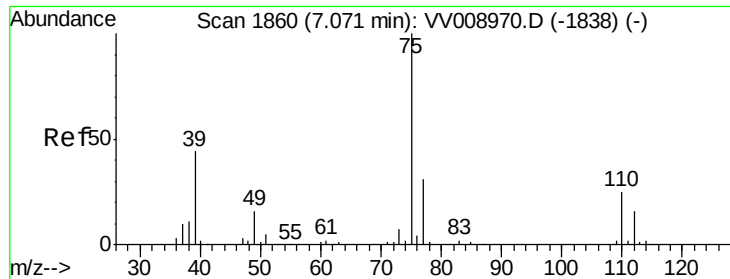
#37
1,2-Dichloropropane
Concen: 6.703 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008976.D
Acq: 17 Dec 2018 13:43

Tgt Ion: 63 Resp: 9424
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

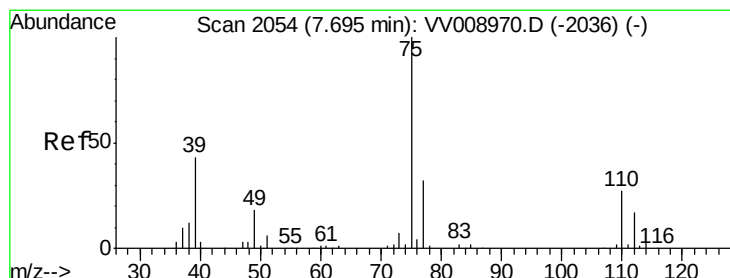
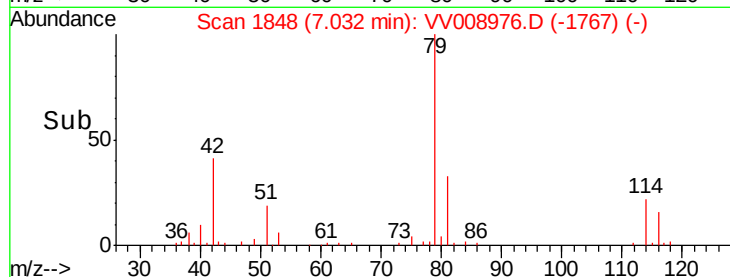
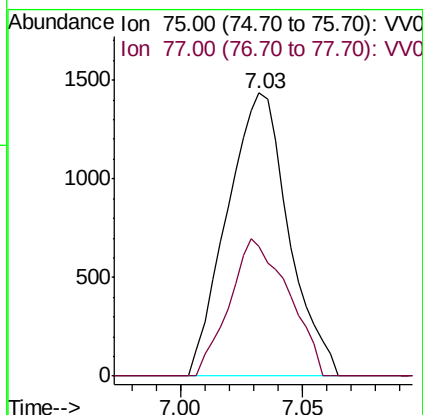
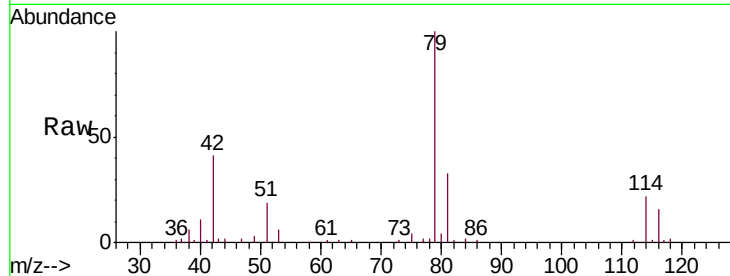




#39
 cis-1,3-Dichloropropene
 Concen: 1.119 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

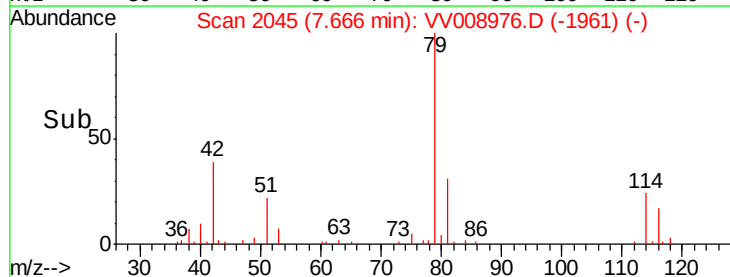
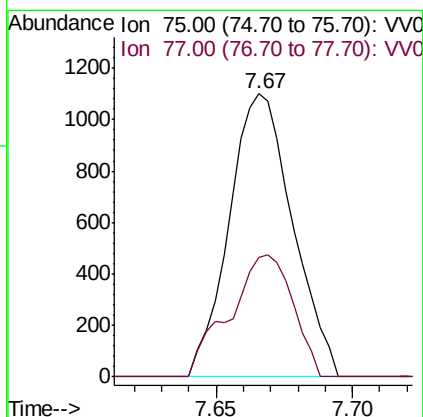
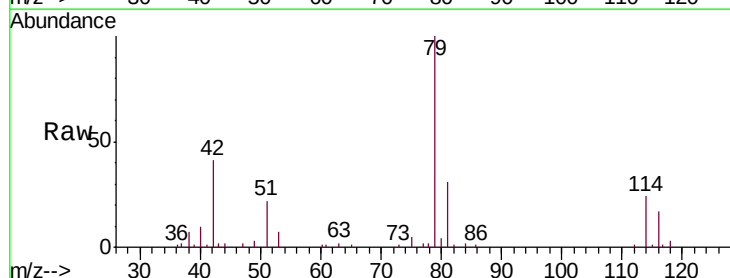
Instrument :
 MSVOA_V
 ClientSampleId :
 C0935DL

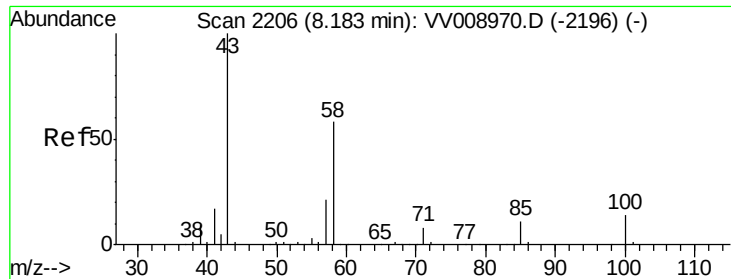
Tgt Ion: 75 Resp: 2509
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.8 40.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.849 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

Tgt Ion: 75 Resp: 1774
 Ion Ratio Lower Upper
 75 100
 77 42.3 21.6 40.2#

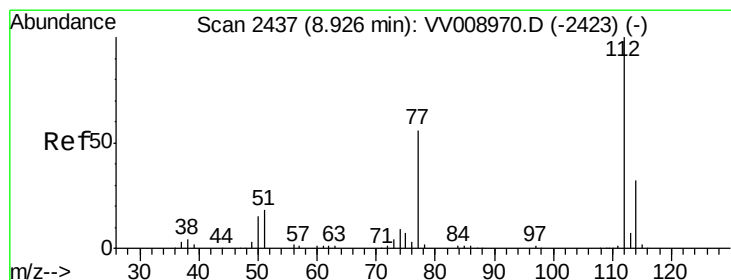
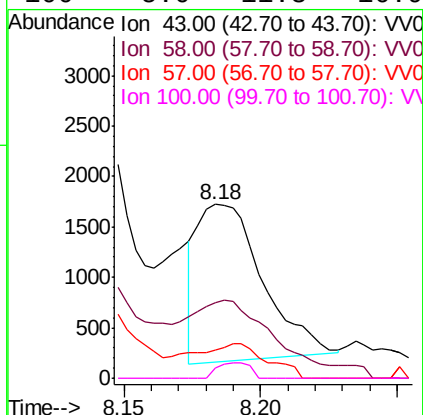
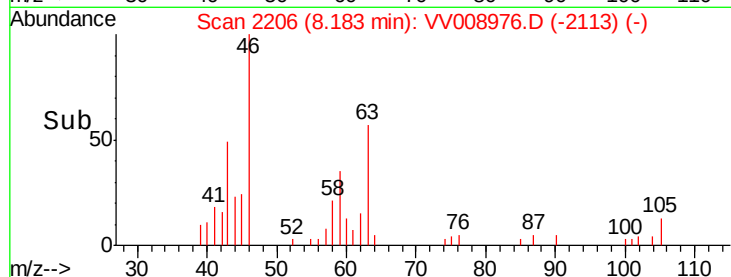
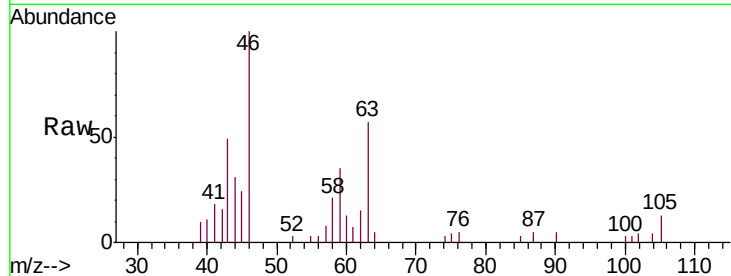




#48
2-Hexanone
Concen: 1.904 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV008976.D
Acq: 17 Dec 2018 13:43

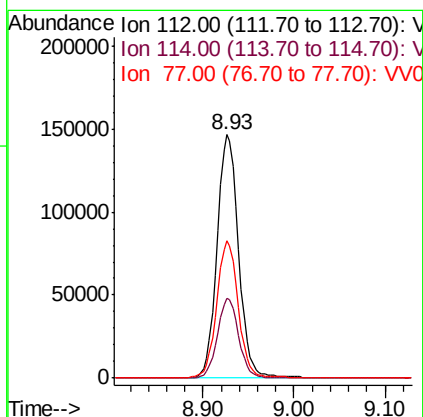
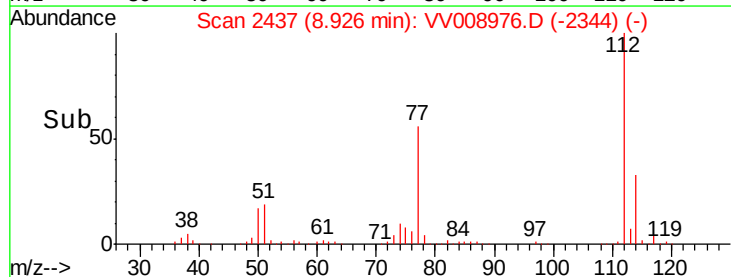
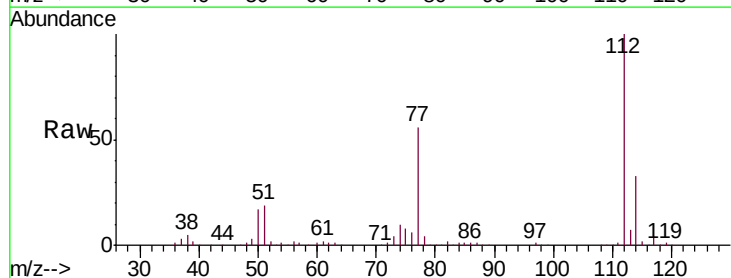
Instrument :
MSVOA_V
ClientSampleId :
C0935DL

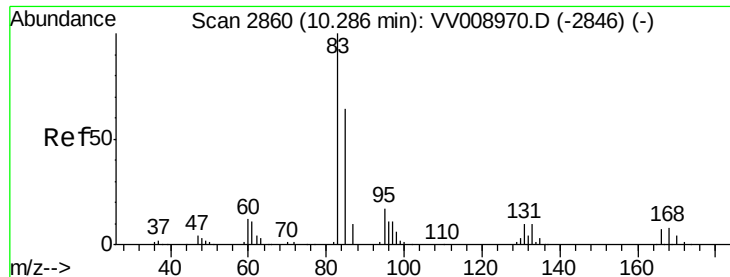
Tgt Ion: 43 Resp: 2576
Ion Ratio Lower Upper
43 100
58 0.0 42.7 64.1#
57 6.4 15.7 23.5#
100 5.0 11.3 16.9#



#51
Chlorobenzene
Concen: 60.629 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008976.D
Acq: 17 Dec 2018 13:43

Tgt Ion: 112 Resp: 240720
Ion Ratio Lower Upper
112 100
114 32.9 22.3 41.5
77 56.3 45.2 67.8





#58

1,1,2,2-Tetrachloroethane

Concen: 0.350 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. -0.02 min

Lab File: VV008976.D

Acq: 17 Dec 2018 13:43

Instrument :

MSVOA_V

ClientSampleId :

C0935DL

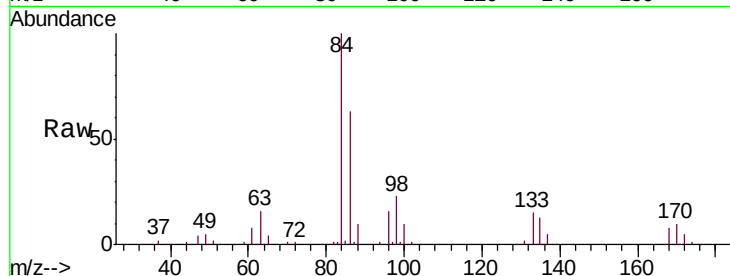
Tgt Ion: 83 Resp: 733

Ion Ratio Lower Upper

83 100

85 165.7 45.3 84.1#

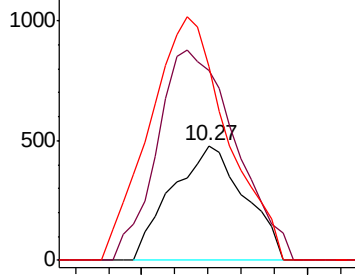
131 169.7 9.2 13.8#



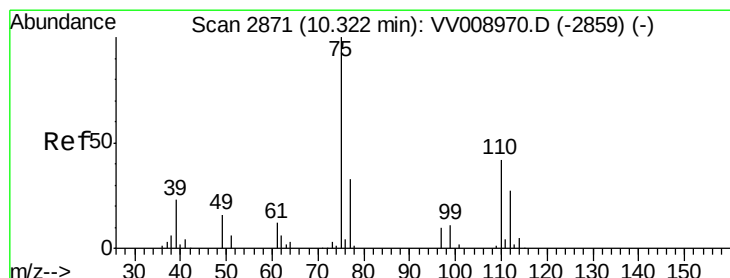
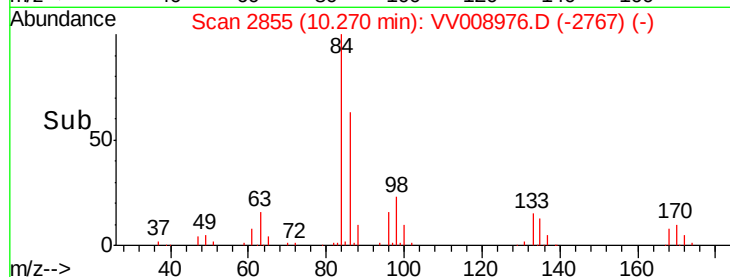
Abundance Ion 83.00 (82.70 to 83.70): VV008970.D (-2846) (-)

Ion 85.00 (84.70 to 85.70): VV008970.D (-2846) (-)

Ion 131.00 (130.70 to 131.70): VV008970.D (-2846) (-)



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.479 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.91 min

Lab File: VV008976.D

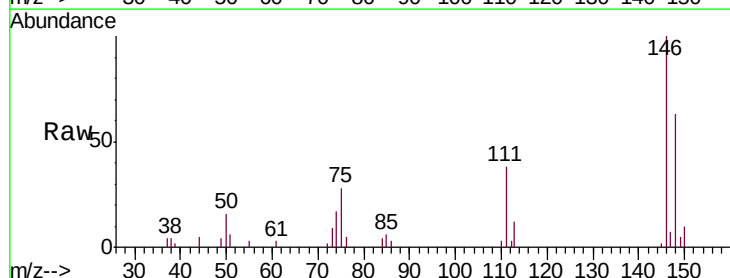
Acq: 17 Dec 2018 13:43

Tgt Ion: 75 Resp: 2619

Ion Ratio Lower Upper

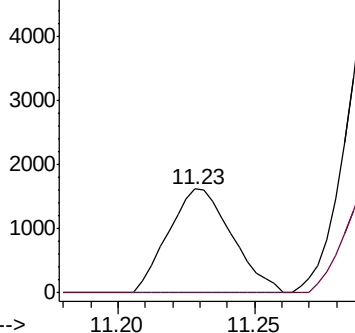
75 100

77 0.0 25.8 38.8#

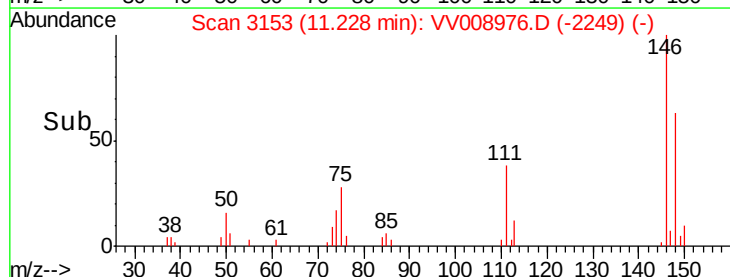


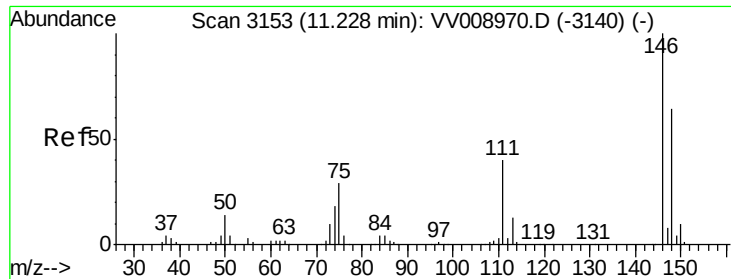
Abundance Ion 75.00 (74.70 to 75.70): VV008976.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV008976.D (-2249) (-)



Time-->





#62

1,3-Dichlorobenzene

Concen: 3.149 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008976.D

Acq: 17 Dec 2018 13:43

Instrument :

MSVOA_V

ClientSampleID :

C0935DL

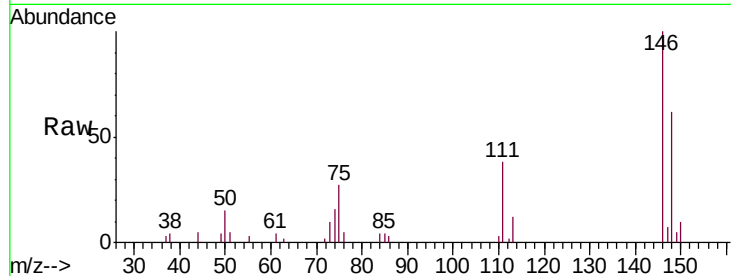
Tgt Ion:146 Resp: 9071

Ion Ratio Lower Upper

146 100

111 38.1 28.3 52.7

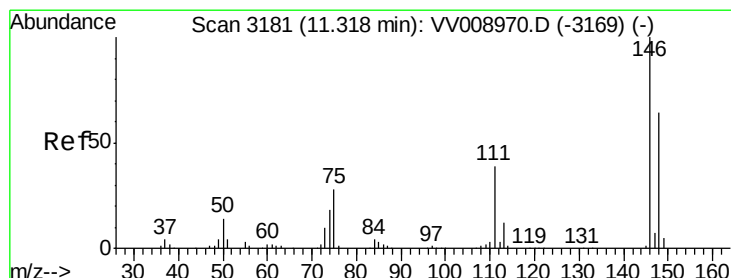
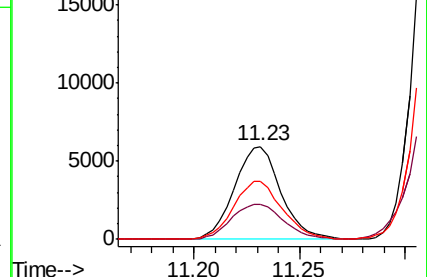
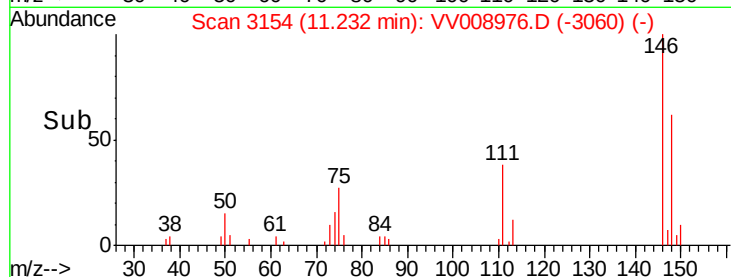
148 62.3 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 28.122 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008976.D

Acq: 17 Dec 2018 13:43

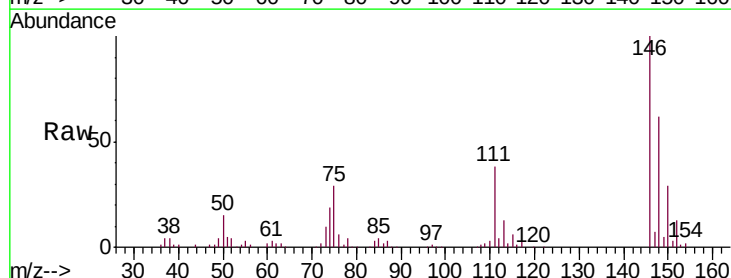
Tgt Ion:146 Resp: 81575

Ion Ratio Lower Upper

146 100

111 37.9 27.9 51.9

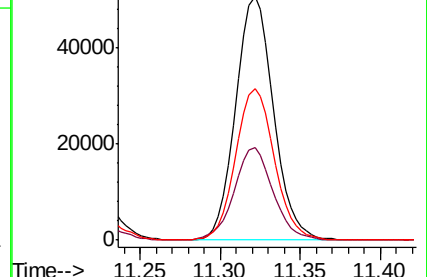
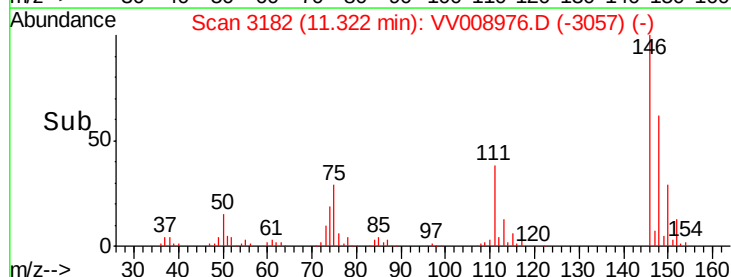
148 62.0 45.2 84.0

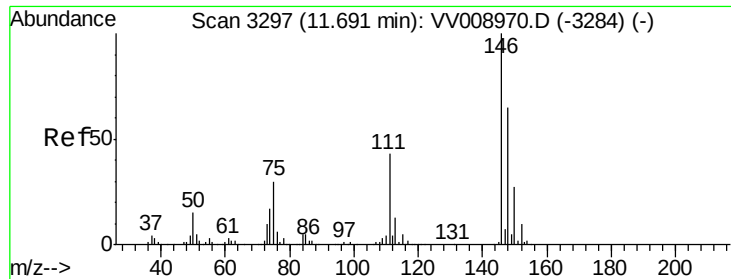


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

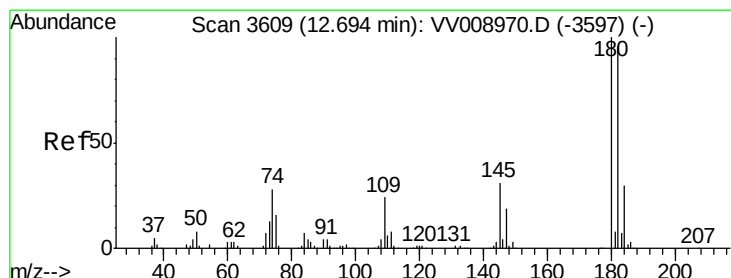
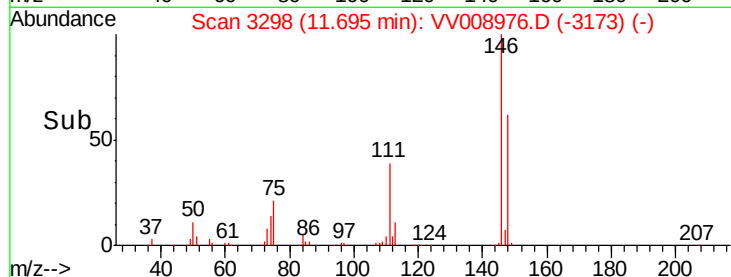
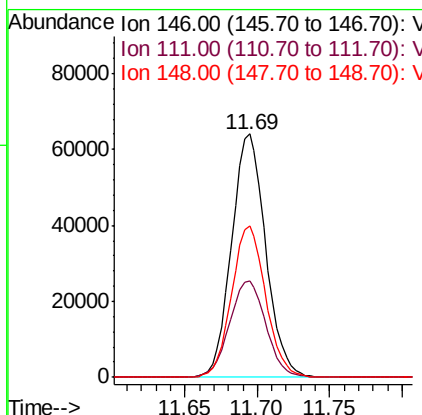
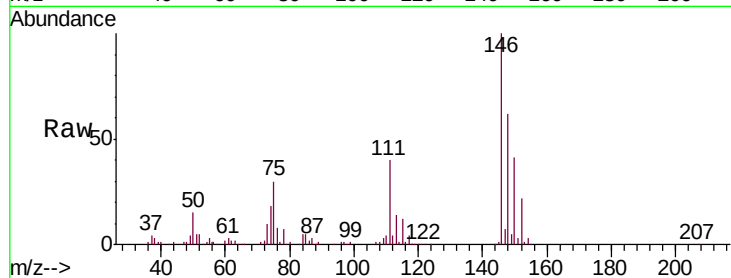




#65
 1,2-Dichlorobenzene
 Concen: 35.715 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

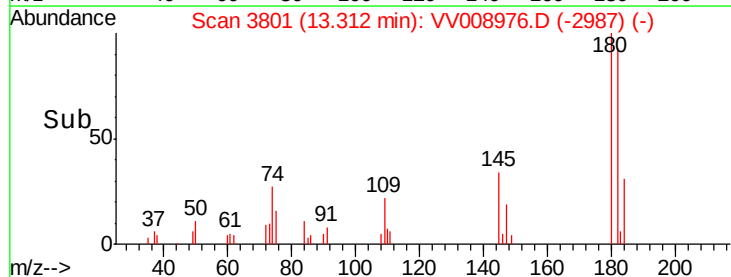
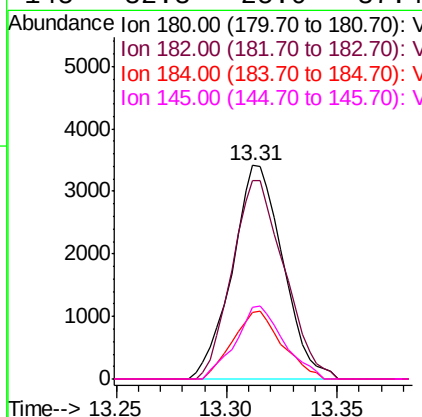
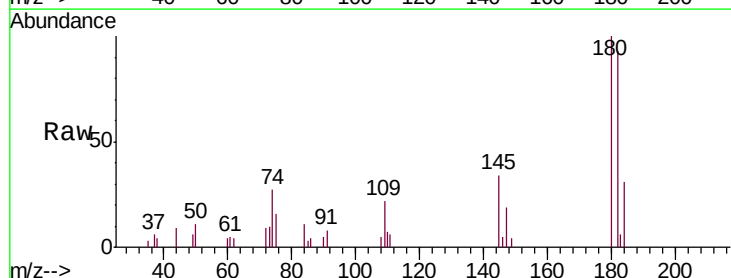
Instrument :
 MSVOA_V
 ClientSampleId :
 C0935DL

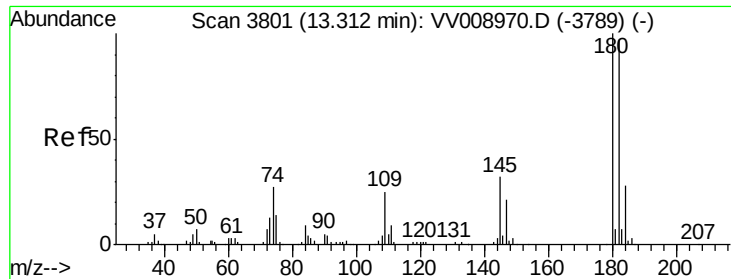
Tgt Ion:146 Resp: 104469
 Ion Ratio Lower Upper
 146 100
 111 39.7 32.8 49.2
 148 62.2 50.5 75.7



#67
 1,3,5-Trichlorobenzene
 Concen: 2.930 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

Tgt Ion:180 Resp: 5440
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.4 113.0
 184 31.0 24.2 36.2
 145 32.3 25.0 37.4

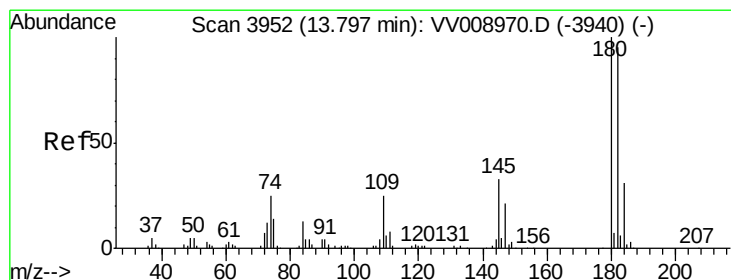
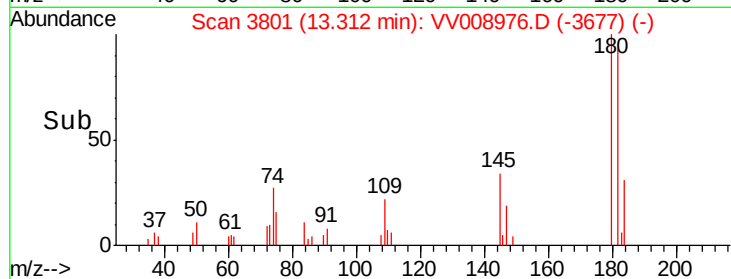
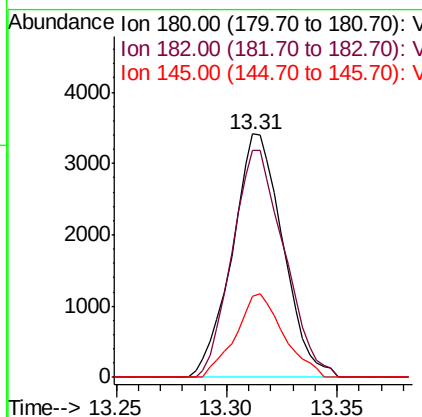
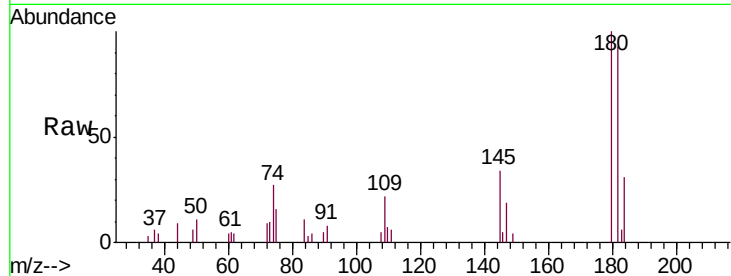




#68
 1,2,4-trichlorobenzene
 Concen: 4.272 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

Instrument :
 MSVOA_V
 ClientSampled :
 C0935DL

Tgt Ion:180 Resp: 5440
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.7 113.5
 145 32.3 25.0 37.4



#70
 1,2,3-Trichlorobenzene
 Concen: 1.043 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008976.D
 Acq: 17 Dec 2018 13:43

Tgt Ion:180 Resp: 1337
 Ion Ratio Lower Upper
 180 100
 182 100.2 76.6 115.0
 145 25.8 26.1 39.1#

