

Data File : VV015041.D
Acq On : 19 Mar 2020 02:28
Operator : SY/MD
Sample : L1941-20
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DM0

Quant Time: Mar 19 04:14:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	357398	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	363195	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	219674	50.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111076	66.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	133.04%
7) Chloroethane-d5	1.58	69	67552	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.18%
11) 1,1-Dichloroethene-d2	2.12	63	106260	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.46%
21) 2-Butanone-d5	3.93	46	105231	92.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.95%
24) Chloroform-d	4.38	84	203411	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.16%
26) 1,2-Dichloroethane-d4	5.06	65	134148	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.70%
32) Benzene-d6	5.08	84	427784	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
36) 1,2-Dichloropropane-d6	6.09	67	121250	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.16%
41) Toluene-d8	7.34	98	420317	48.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.90%
43) trans-1,3-Dichloropropene-	7.64	79	63078	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.58%
47) 2-Hexanone-d5	8.12	63	109121	93.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.91%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	174908	46.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.66	152	217913	49.41	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

					Qvalue
13) Acetone	2.20	43	2155	2.289 ug/L	85
25) Chloroform	4.41	83	53045	12.644 ug/L	99
27) 1,2-Dichloroethane	5.13	62	126679	40.436 ug/L #	73
29) Cyclohexane	4.71	56	4349	1.334 ug/L #	89
31) Carbon tetrachloride	4.86	117	44205	12.554 ug/L	99
33) Benzene	5.13	78	14195427	1596.652 ug/L	100
35) Methylcyclohexane	6.16	83	3433	0.898 ug/L #	74
37) 1,2-Dichloropropane	6.10	63	13979	6.502 ug/L #	84
39) cis-1,3-Dichloropropene	7.00	75	3634	1.009 ug/L #	53
46) Tetrachloroethene	8.00	164	1941	0.849 ug/L	84
49) Dibromochloromethane	7.99	129	1882	0.691 ug/L #	11
59) 1,2,3-Trichloropropane	10.24	75	2419	0.801 ug/L #	1
62) 1,3-Dichlorobenzene	11.21	146	7273053	1099.941 ug/L	98
63) 1,4-Dichlorobenzene	11.21	146	7273053	1056.704 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.41	75	23690	24.136 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.67	180	5155	0.985 ug/L	89
68) 1,2,4-trichlorobenzene	13.29	180	8968821	1861.572 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

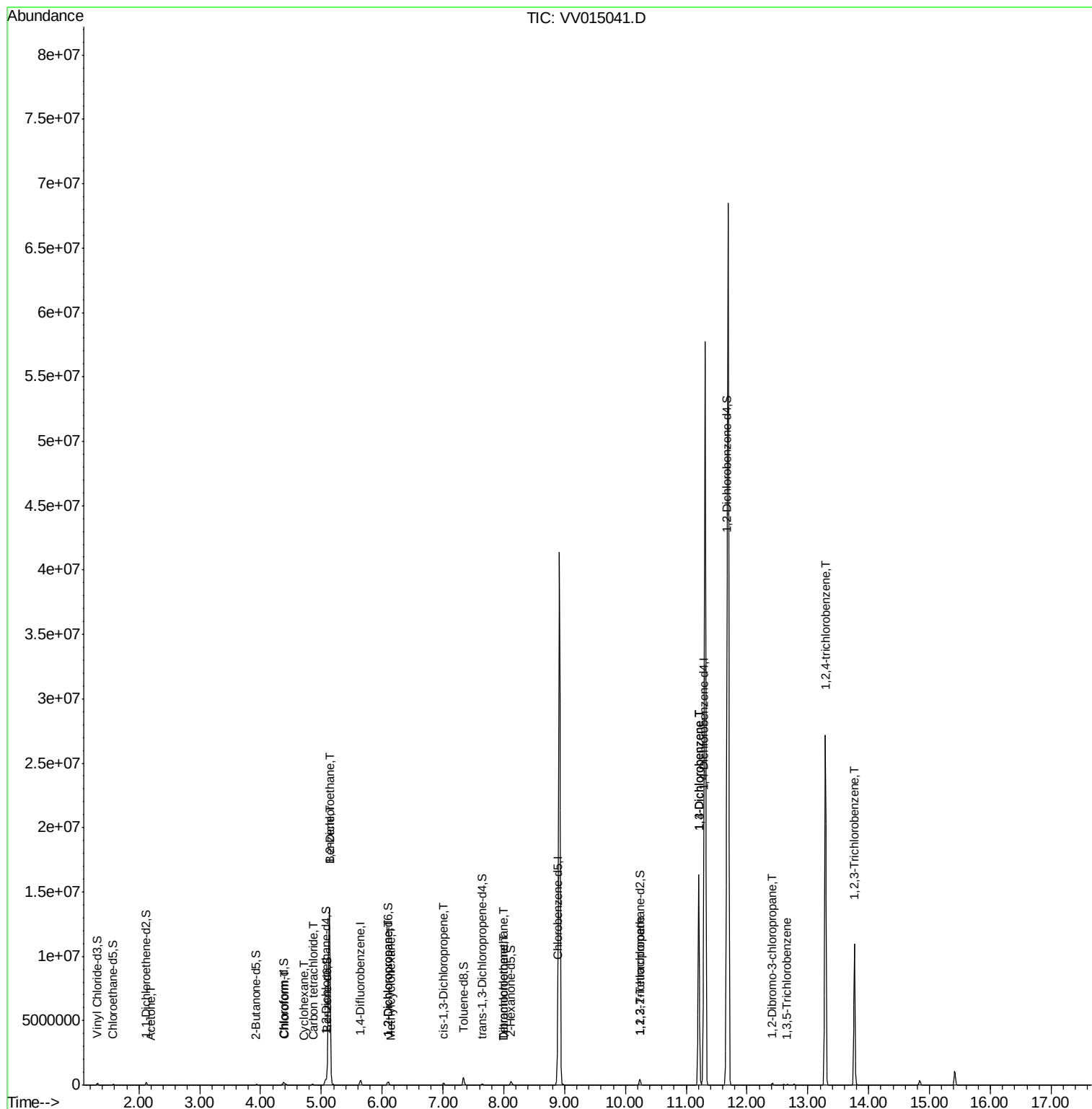
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.76	180	3535022	746.843	ug/L	98

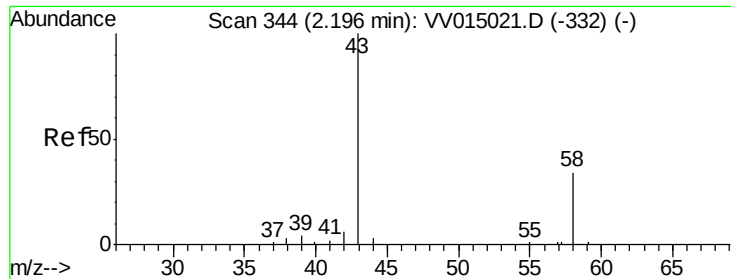
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV015041.D
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Sample : L1941-20
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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
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Quant Time: Mar 19 04:14:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.289 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

Instrument :

MSVOA_V

ClientSampled :

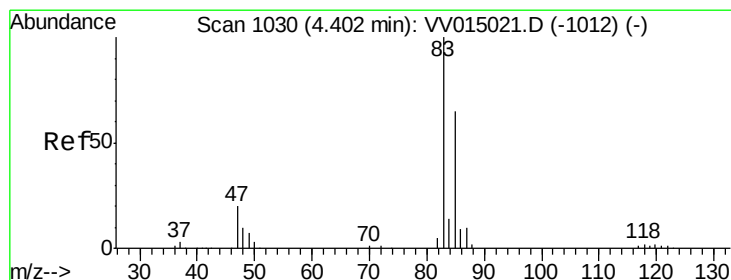
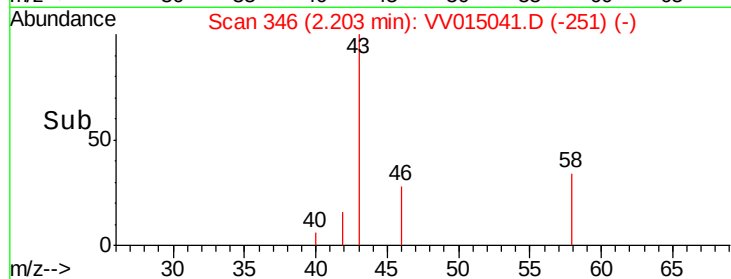
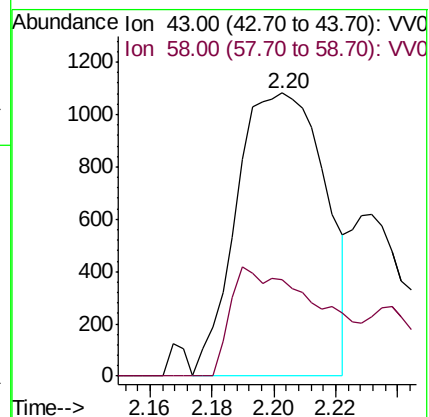
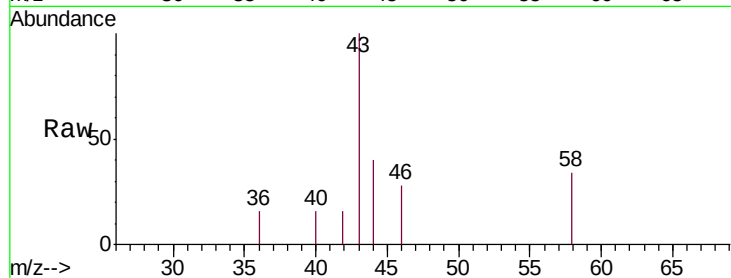
C0DM0

Tgt Ion: 43 Resp: 2155

Ion Ratio Lower Upper

43 100

58 14.3 0.0 43.2



#25

Chloroform

Concen: 12.644 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015041.D

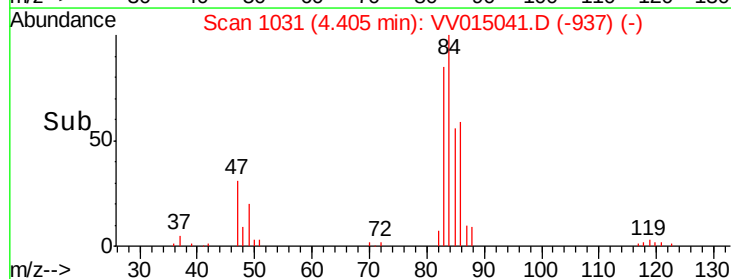
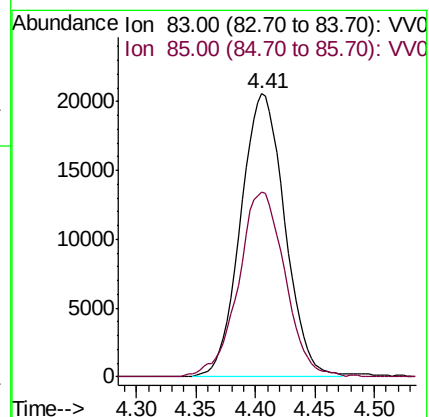
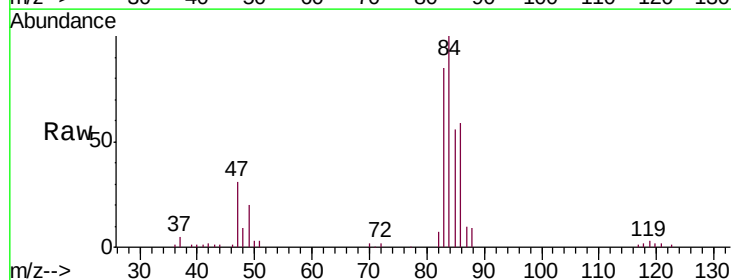
Acq: 19 Mar 2020 02:28

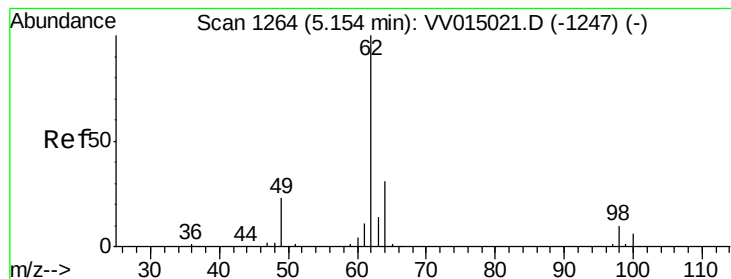
Tgt Ion: 83 Resp: 53045

Ion Ratio Lower Upper

83 100

85 65.5 45.4 84.4





#27

1,2-Dichloroethane

Concen: 40.436 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.02 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

Instrument :

MSVOA_V

ClientSampleId :

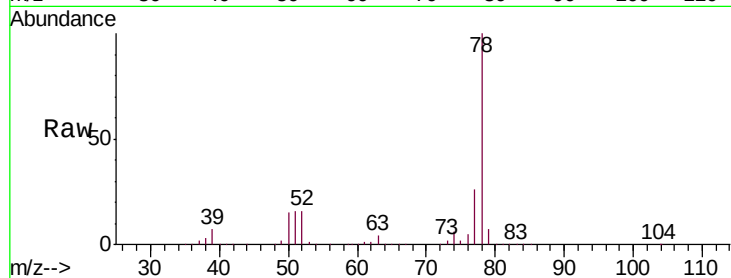
C0DM0

Tgt Ion: 62 Resp: 126679

Ion Ratio Lower Upper

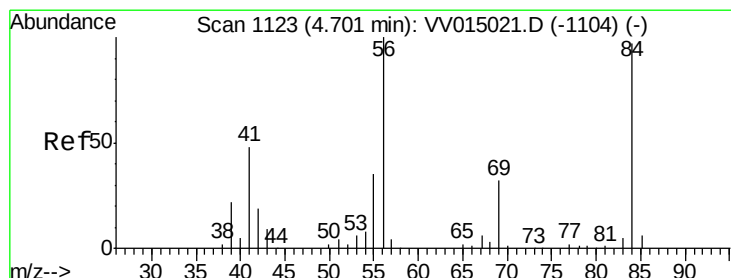
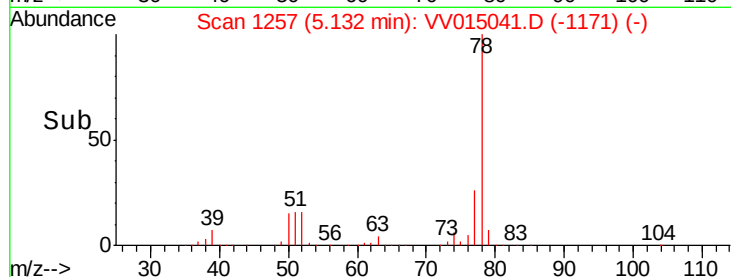
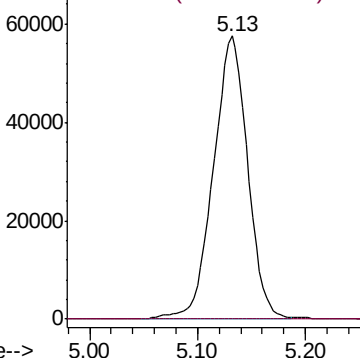
62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 1.334 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

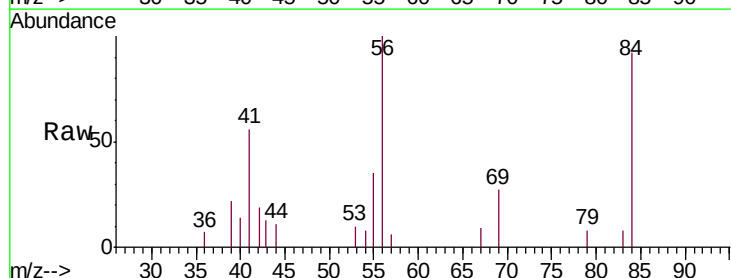
Tgt Ion: 56 Resp: 4349

Ion Ratio Lower Upper

56 100

69 16.6 25.8 38.6#

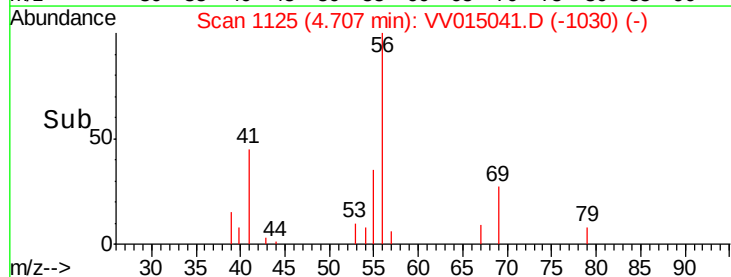
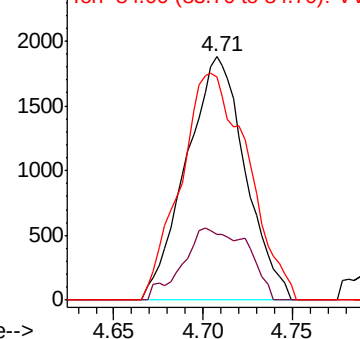
84 106.0 80.0 120.0

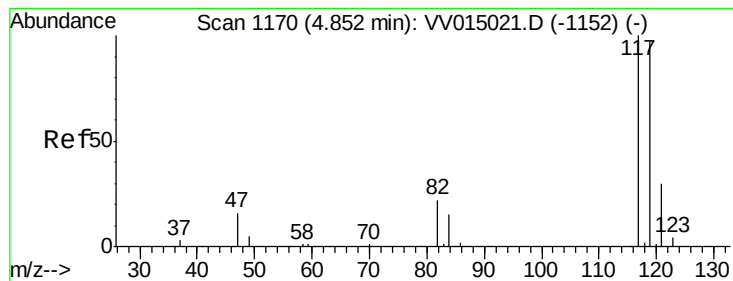


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#31

Carbon tetrachloride

Concen: 12.554 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

Instrument :

MSVOA_V

ClientSampleId :

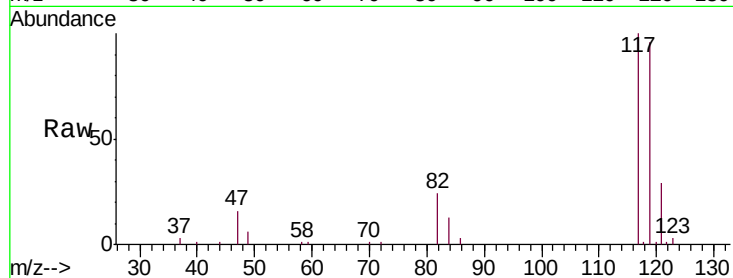
C0DM0

Tgt Ion:117 Resp: 44205

Ion Ratio Lower Upper

117 100

119 96.9 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

20000

15000

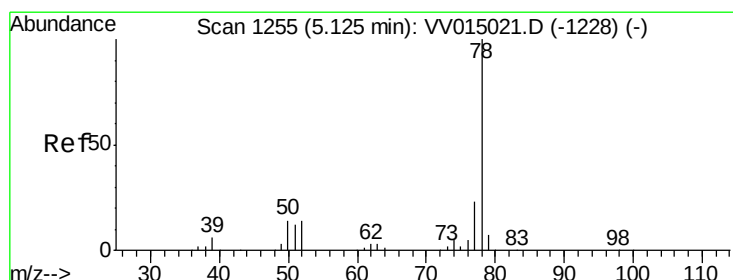
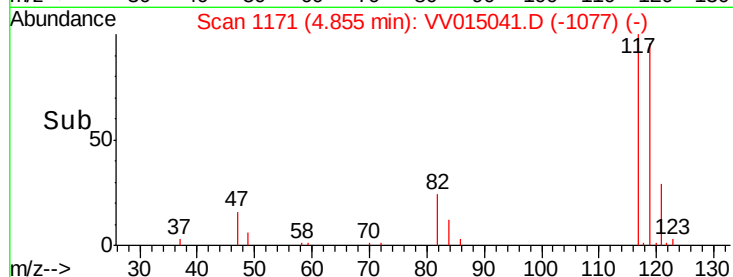
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 1596.652 ug/L

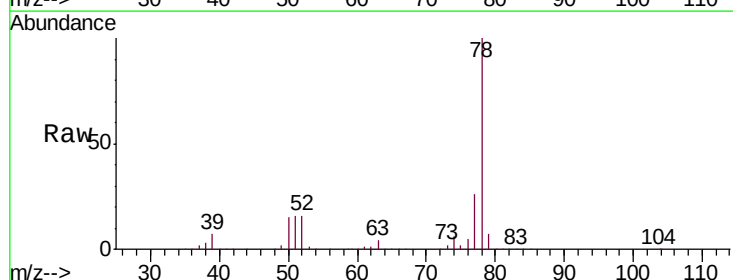
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

Tgt Ion: 78 Resp:14195427



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

6000000

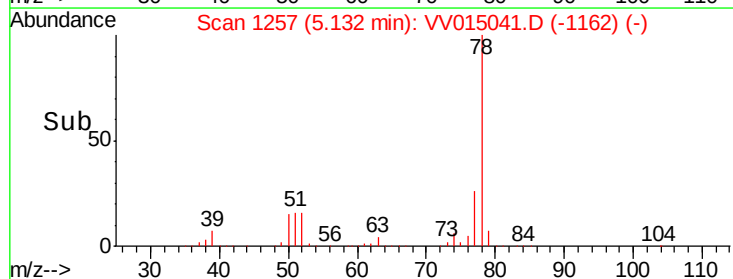
4000000

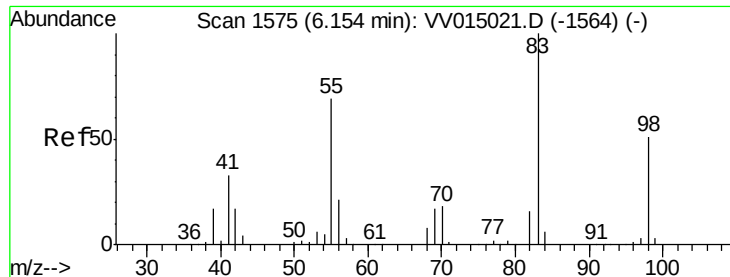
2000000

0

Time-->

5.00 5.10 5.20 5.30

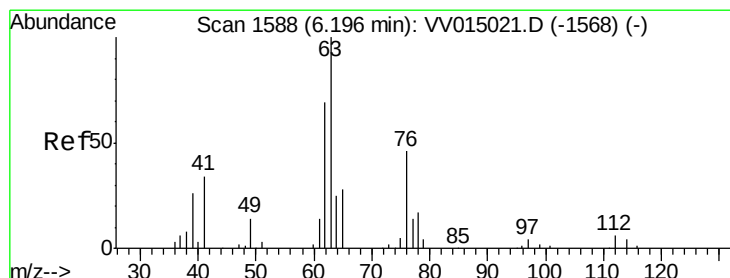
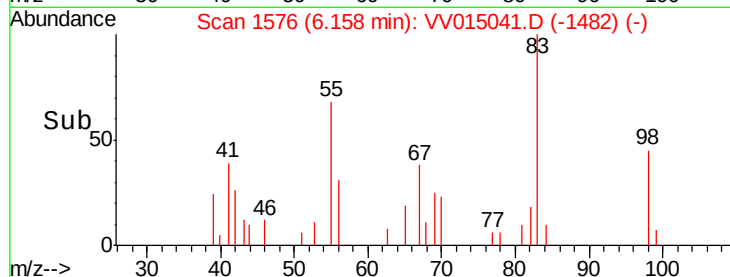
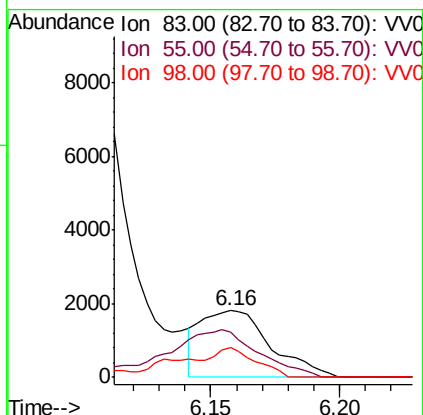
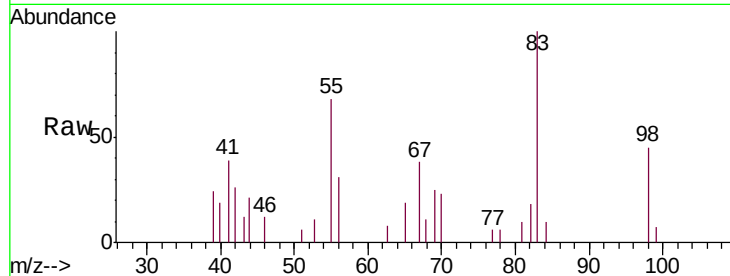




#35
Methylcyclohexane
Concen: 0.898 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV015041.D
Acq: 19 Mar 2020 02:28

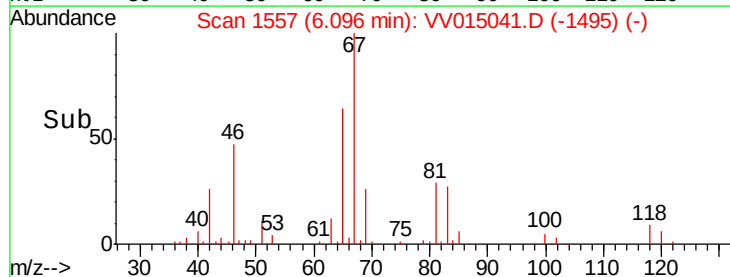
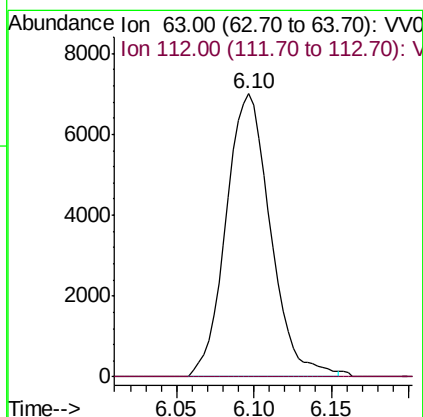
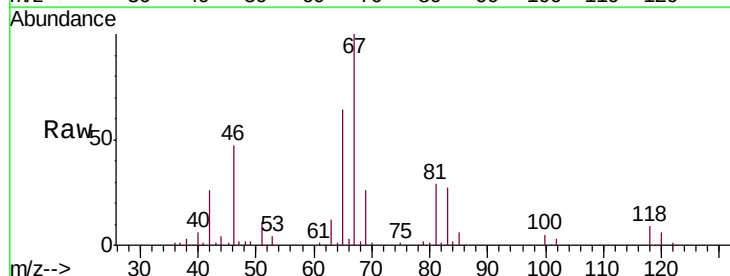
Instrument :
MSVOA_V
ClientSampled :
C0DM0

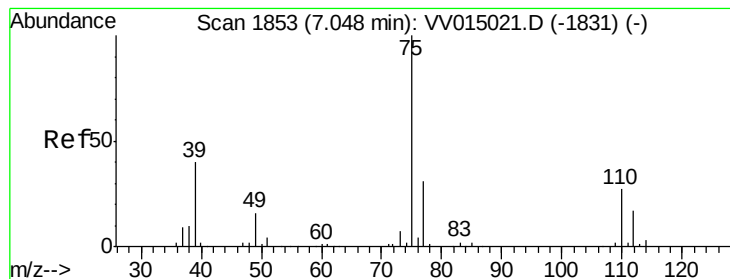
Tgt Ion: 83 Resp: 3433
Ion Ratio Lower Upper
83 100
55 87.0 55.4 83.0#
98 29.0 40.6 61.0#



#37
1,2-Dichloropropane
Concen: 6.502 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015041.D
Acq: 19 Mar 2020 02:28

Tgt Ion: 63 Resp: 13979
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



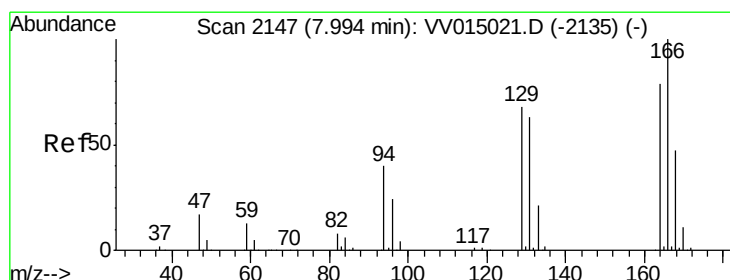
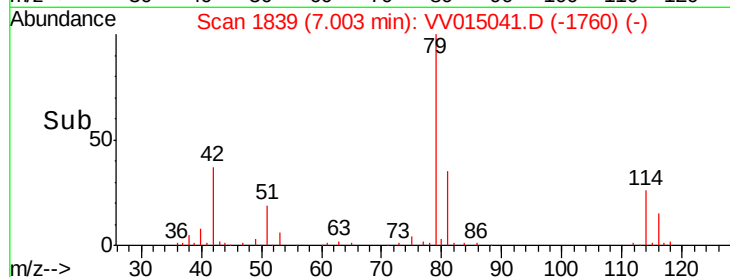
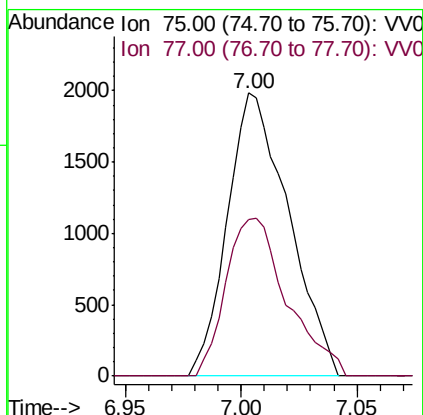
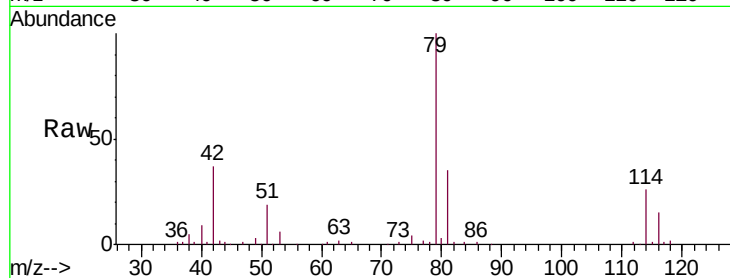


#39

cis-1,3-Dichloropropene
Concen: 1.009 ug/L
RT: 7.00 min Scan# 1839
Delta R.T. -0.05 min
Lab File: VV015041.D
Acq: 19 Mar 2020 02:28

Instrument :
MSVOA_V
ClientSampleId :
C0DM0

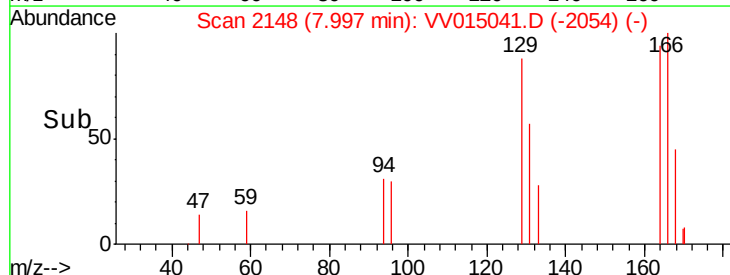
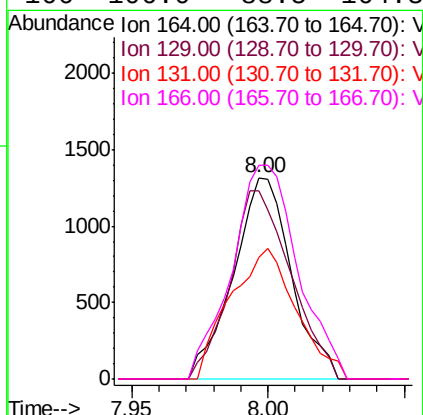
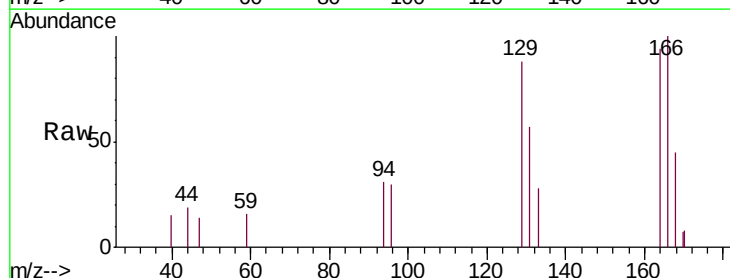
Tgt Ion: 75 Resp: 3634
Ion Ratio Lower Upper
75 100
77 55.5 21.1 39.3#

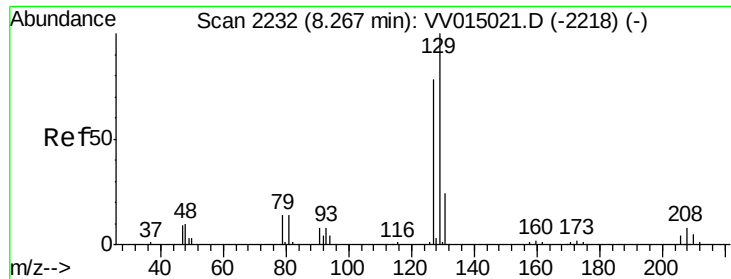


#46

Tetrachloroethene
Concen: 0.849 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015041.D
Acq: 19 Mar 2020 02:28

Tgt Ion: 164 Resp: 1941
Ion Ratio Lower Upper
164 100
129 93.6 60.4 112.2
131 60.5 57.0 105.8
166 106.0 88.5 164.3

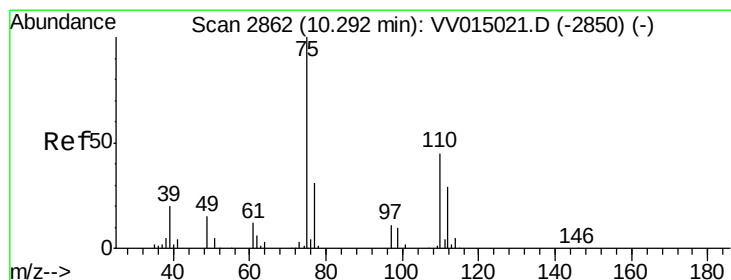
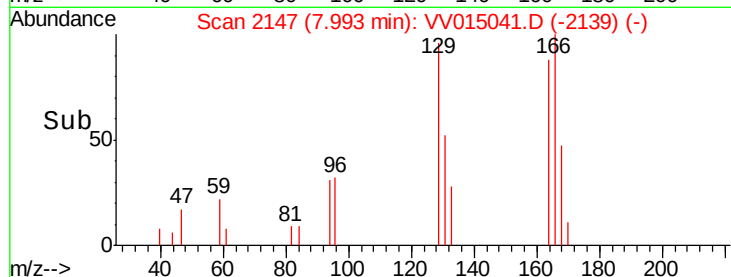
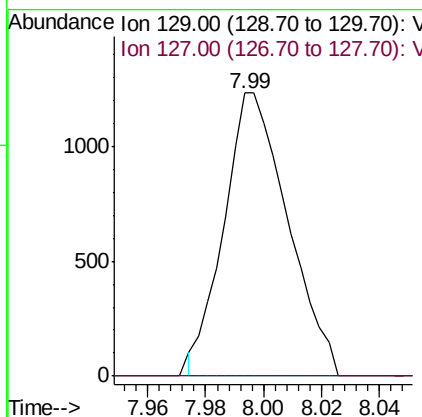
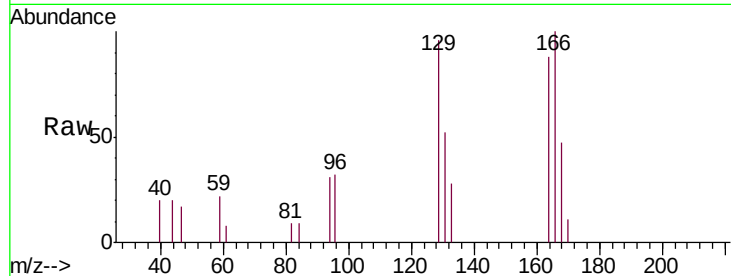




#49
 Dibromochloromethane
 Concen: 0.691 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.27 min
 Lab File: VV015041.D
 Acq: 19 Mar 2020 02:28

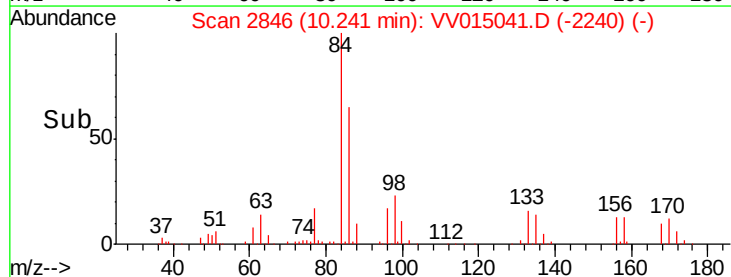
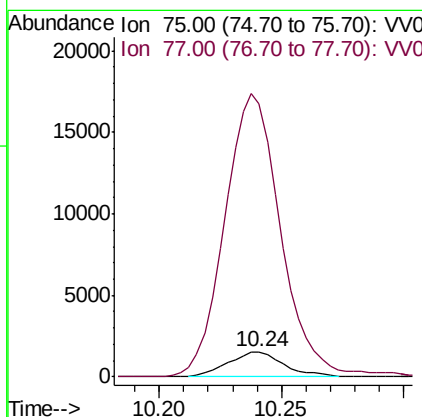
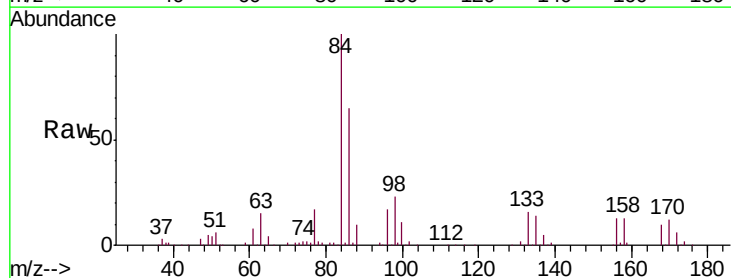
Instrument :
 MSVOA_V
 ClientSampled :
 C0DM0

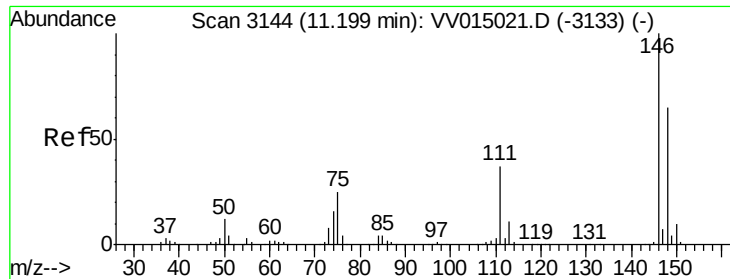
Tgt Ion:129 Resp: 1882
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.8 99.8#



#59
 1,2,3-Trichloropropane
 Concen: 0.801 ug/L
 RT: 10.24 min Scan# 2846
 Delta R.T. -0.05 min
 Lab File: VV015041.D
 Acq: 19 Mar 2020 02:28

Tgt Ion: 75 Resp: 2419
 Ion Ratio Lower Upper
 75 100
 77 1155.5 26.2 39.2#

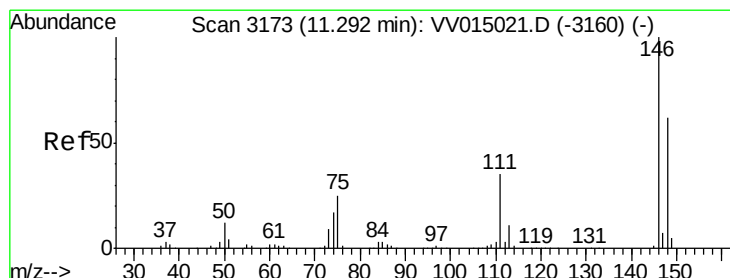
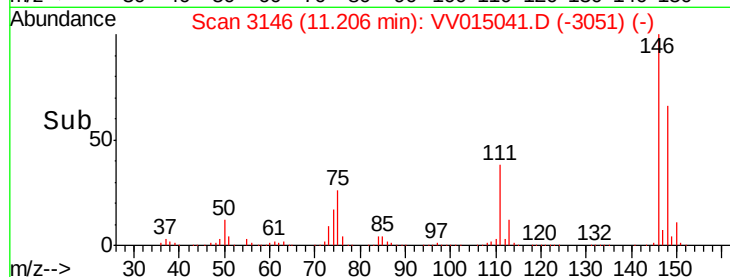
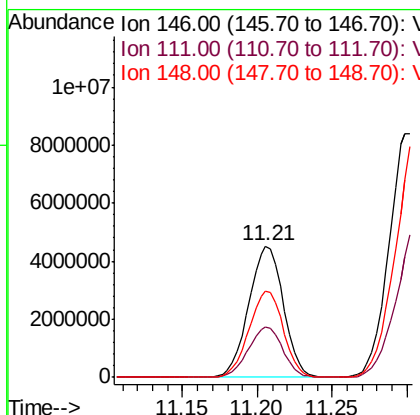
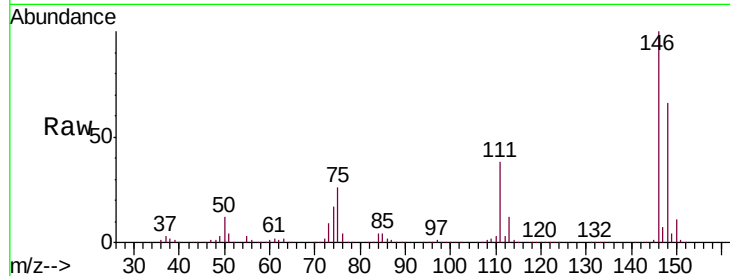




#62
 1,3-Dichlorobenzene
 Concen: 1099.941 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.01 min
 Lab File: VV015041.D
 Acq: 19 Mar 2020 02:28

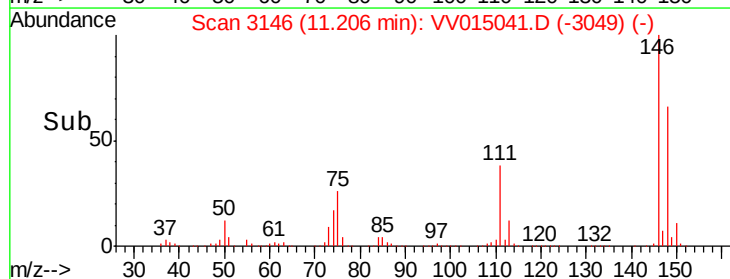
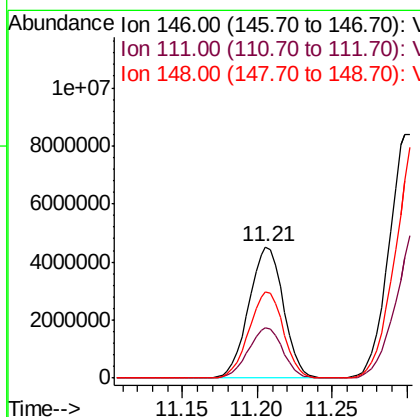
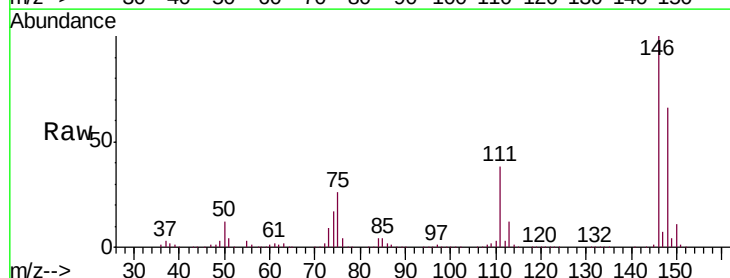
Instrument :
 MSVOA_V
 ClientSampled :
 C0DM0

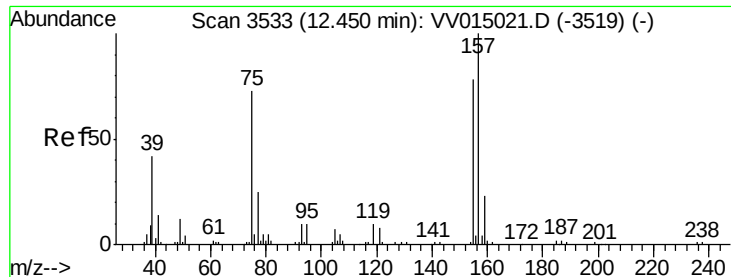
Tgt Ion:146 Resp: 7273053
 Ion Ratio Lower Upper
 146 100
 111 38.3 25.7 47.7
 148 65.7 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 1056.704 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. -0.09 min
 Lab File: VV015041.D
 Acq: 19 Mar 2020 02:28

Tgt Ion:146 Resp: 7273053
 Ion Ratio Lower Upper
 146 100
 111 38.3 25.8 48.0
 148 65.7 45.7 84.9





#66

1,2-Dibromo-3-chloropropane

Concen: 24.136 ug/L

RT: 12.41 min Scan# 3522

Delta R.T. -0.04 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

Instrument :

MSVOA_V

ClientSampleId :

C0DM0

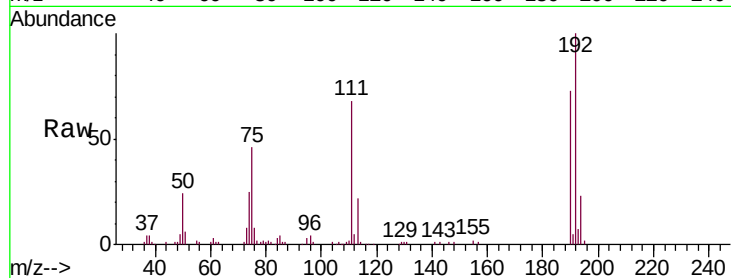
Tgt Ion: 75 Resp: 23690

Ion Ratio Lower Upper

75 100

155 4.5 80.6 121.0#

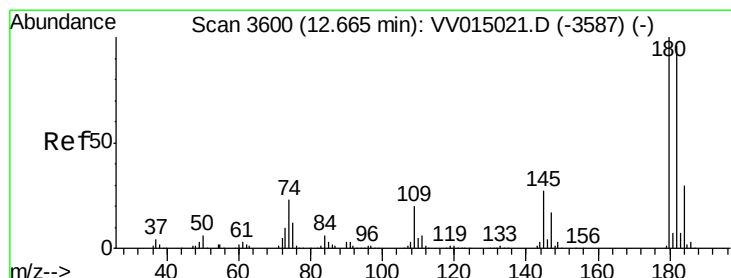
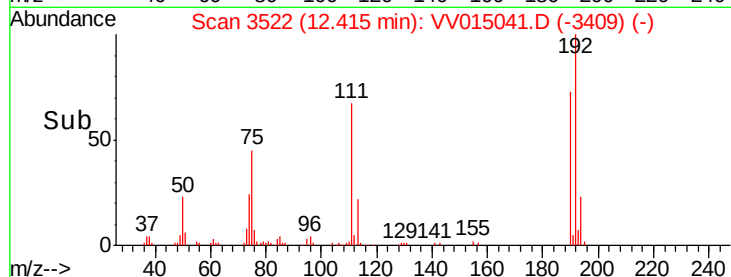
157 2.9 104.6 157.0#



Abundance Ion 75.00 (74.70 to 75.70): VV015041.D (-3409) (-)

Ion 155.00 (154.70 to 155.70): VV015041.D (-3409) (-)

Ion 157.00 (156.70 to 157.70): VV015041.D (-3409) (-)



#67

1,3,5-Trichlorobenzene

Concen: 0.985 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VV015041.D

Acq: 19 Mar 2020 02:28

Tgt Ion: 180 Resp: 5155

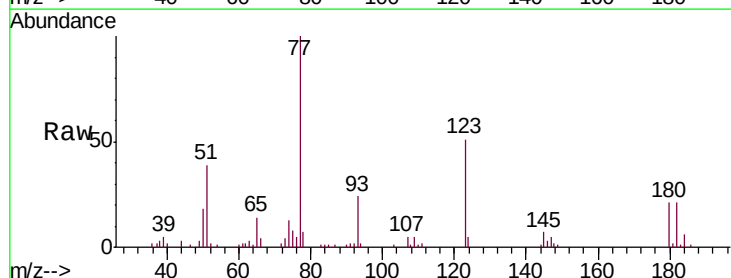
Ion Ratio Lower Upper

180 100

182 106.5 75.2 112.8

184 26.7 23.9 35.9

145 32.0 22.0 33.0

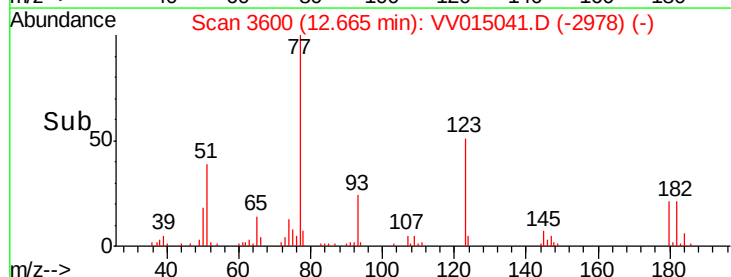


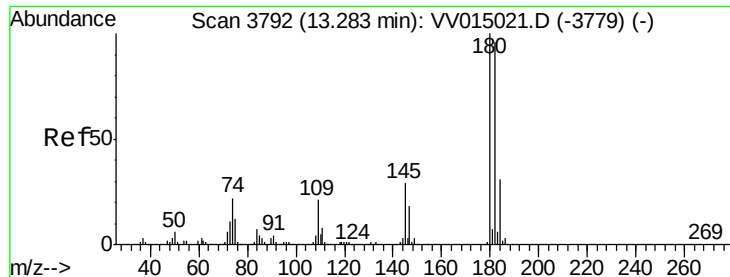
Abundance Ion 180.00 (179.70 to 180.70): VV015041.D (-2978) (-)

Ion 182.00 (181.70 to 182.70): VV015041.D (-2978) (-)

Ion 184.00 (183.70 to 184.70): VV015041.D (-2978) (-)

Ion 145.00 (144.70 to 145.70): VV015041.D (-2978) (-)

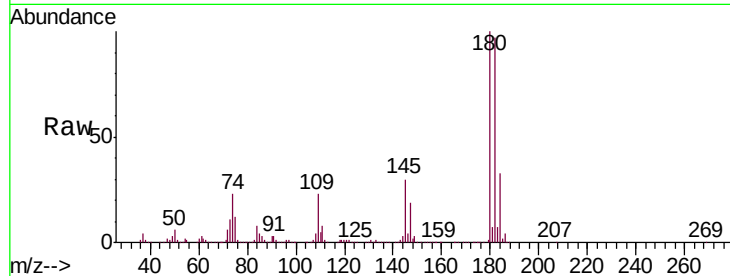




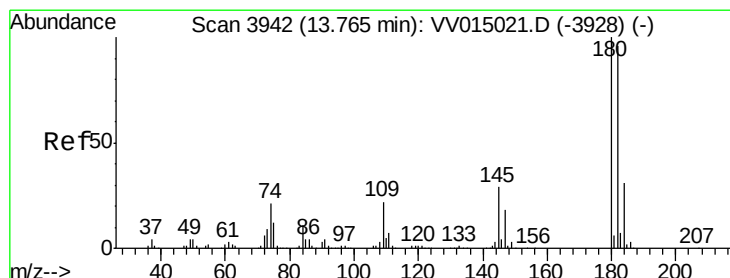
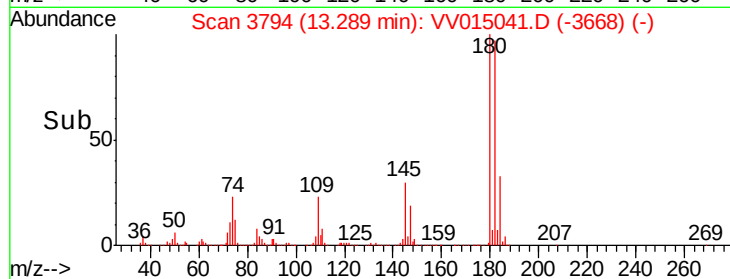
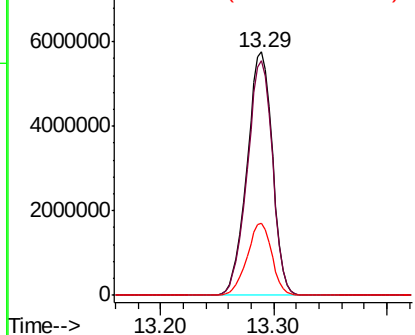
#68
 1,2,4-trichlorobenzene
 Concen: 1861.572 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV015041.D
 Acq: 19 Mar 2020 02:28

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DM0

Tgt Ion:180 Resp: 8968821
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.3 114.5
 145 29.1 22.2 33.4

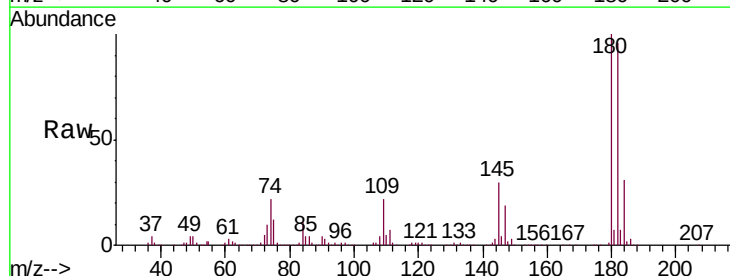


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 746.843 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV015041.D
 Acq: 19 Mar 2020 02:28

Tgt Ion:180 Resp: 3535022
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.5 113.3
 145 29.8 23.5 35.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

