

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV016002.D
 Acq On : 11 May 2020 20:27
 Operator : SY/MD
 Sample : L2541-12MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 01:14:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	125617	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	121530	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	54497	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27984	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	29464	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	67694	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	3.94	46	109010	56.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.16%
24) Chloroform-d	4.38	84	70689	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.06	65	46598	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.08	84	140198	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.10	67	48099	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.34	98	118849	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
45) trans-1,3-Dichloropropene-	7.65	79	12150	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
48) 2-Hexanone-d5	8.12	63	74071	48.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34127	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	45674	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2035	0.211 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	592	0.082 ug/L #	20
12) 1,1-Dichloroethene	2.14	96	38671	5.594 ug/L	80
17) Methyl tert-butyl Ether	2.79	73	10265	0.571 ug/L #	92
25) Chloroform	4.41	83	9701	0.599 ug/L	99
27) 1,2-Dichloroethane	5.13	62	1787	0.179 ug/L #	76
33) Benzene	5.13	78	198175	6.481 ug/L	100
34) Trichloroethene	5.94	95	47980	5.498 ug/L	96
35) Methylcyclohexane	6.10	83	11869	0.899 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	5751	0.740 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1096	0.100 ug/L #	52
42) Toluene	7.41	91	196140	6.052 ug/L	98
46) trans-1,3-Dichloropropene	7.65	75	730	0.079 ug/L #	67
50) 2-Hexanone	8.17	43	4808	1.404 ug/L #	85
53) Chlorobenzene	8.90	112	131230	6.296 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 12 01:07:44 2020
Response via : Initial Calibration

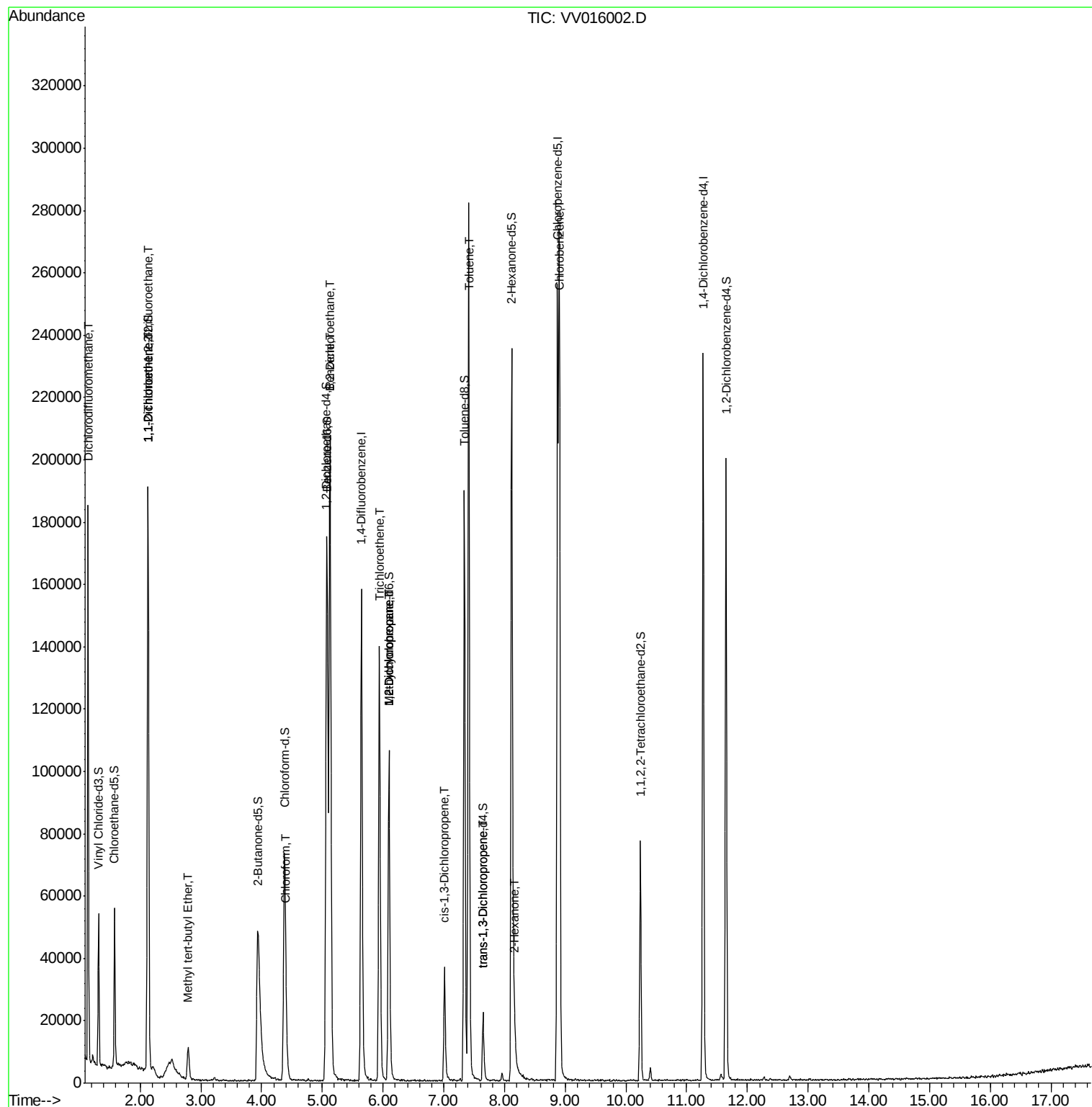
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

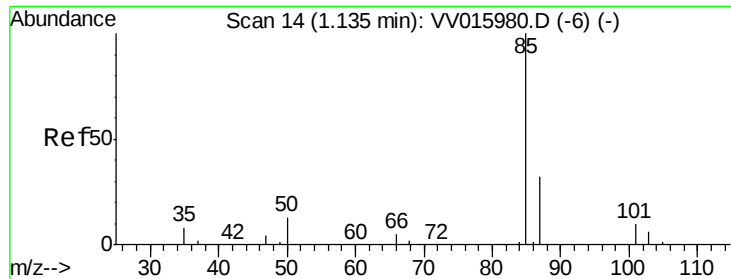
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.211 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016002.D

Acq: 11 May 2020 20:27

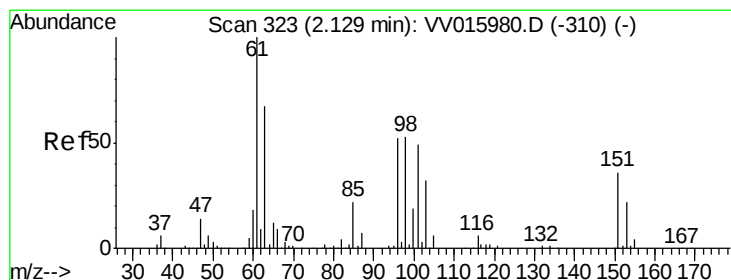
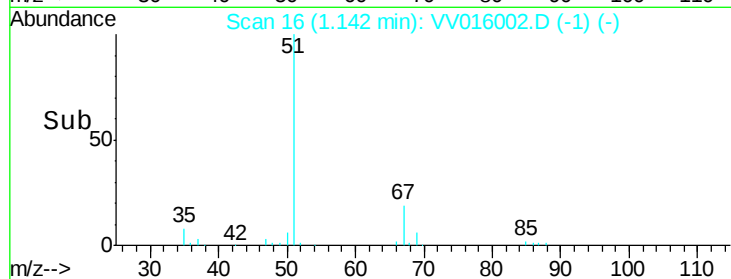
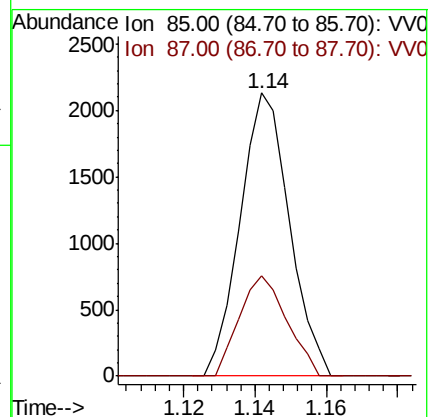
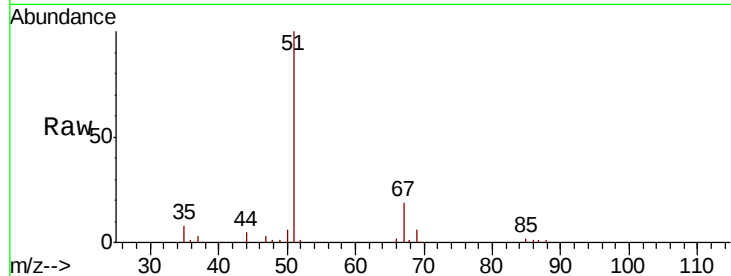
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 2035

Ion Ratio Lower Upper

85 100

87 34.1 26.4 39.6



#10

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

Concen: 0.082 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016002.D

Acq: 11 May 2020 20:27

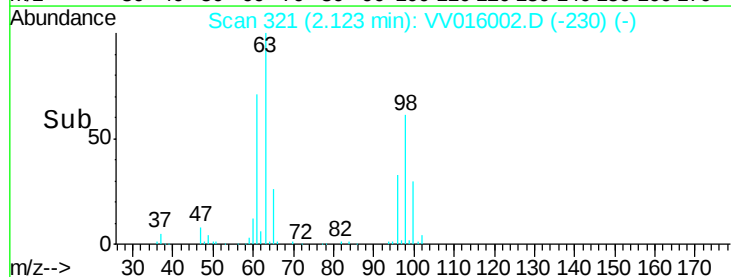
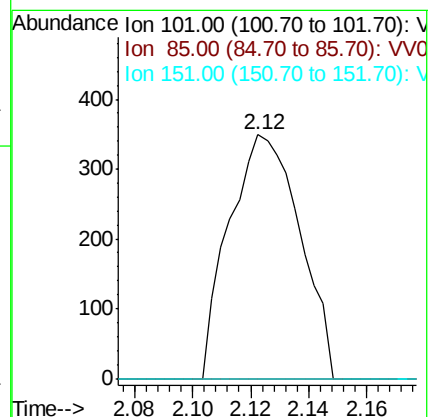
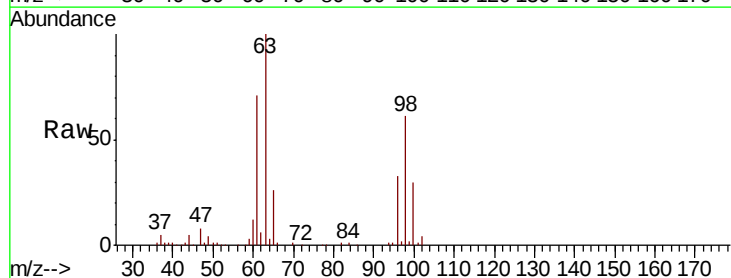
Tgt Ion: 101 Resp: 592

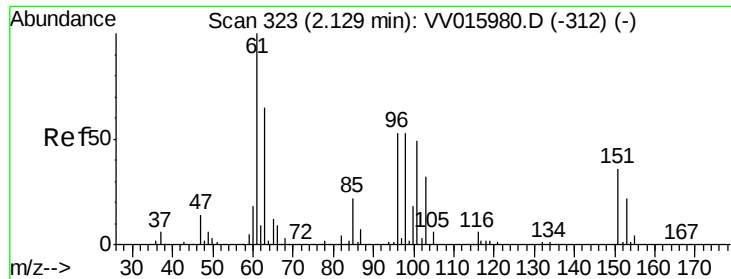
Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 5.594 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016002.D

Acq: 11 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

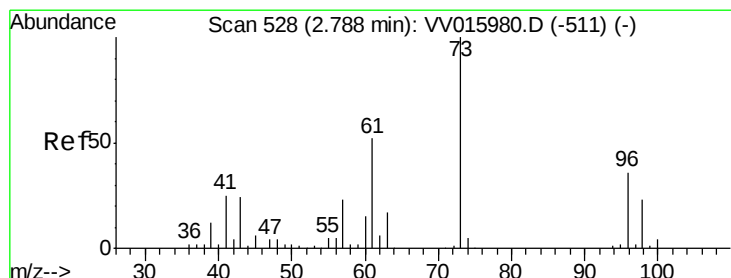
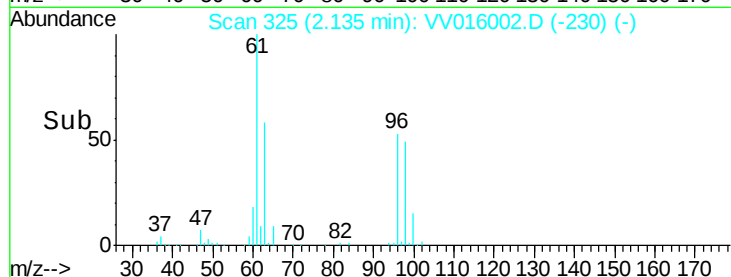
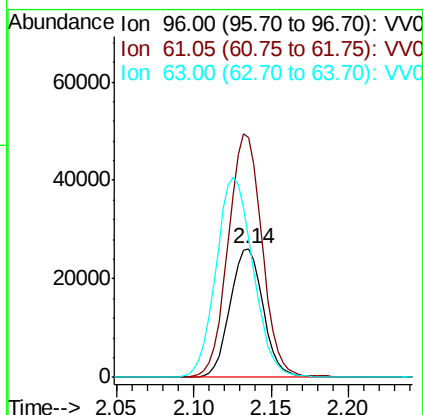
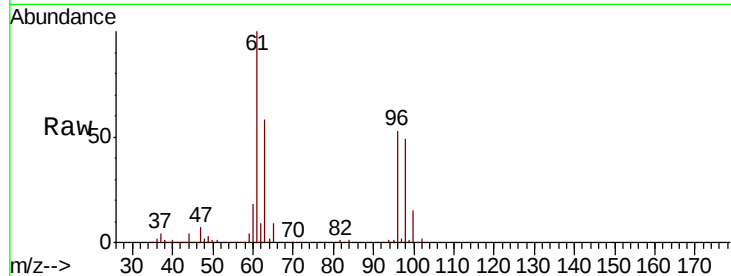
Tot Ion: 96 Resp: 38671

Ion Ratio Lower Upper

96 100

61 187.0 139.9 259.7

63 107.7 106.4 197.6



#17

Methyl tert-butyl Ether

Concen: 0.571 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV016002.D

Acq: 11 May 2020 20:27

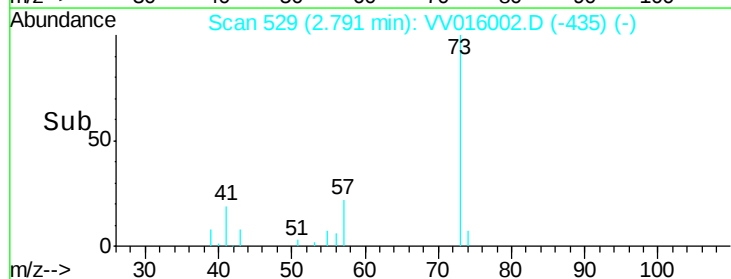
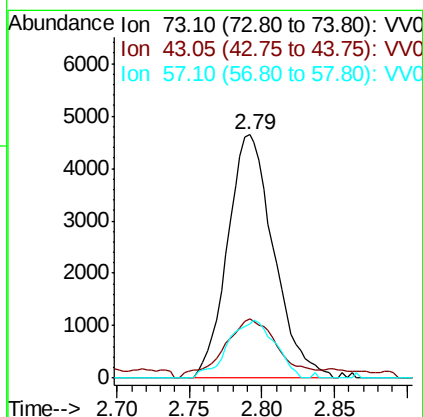
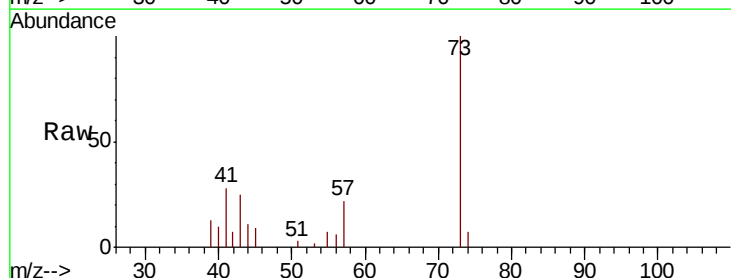
Tgt Ion: 73 Resp: 10265

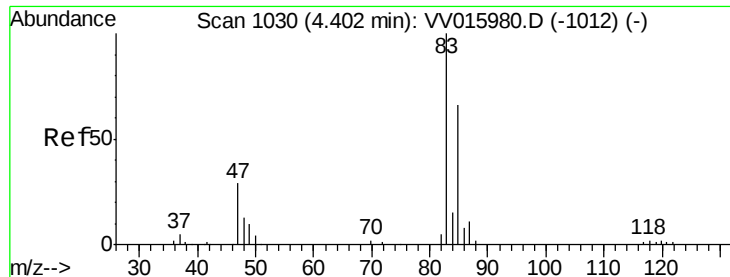
Ion Ratio Lower Upper

73 100

43 28.7 18.8 28.2#

57 24.3 17.8 26.6

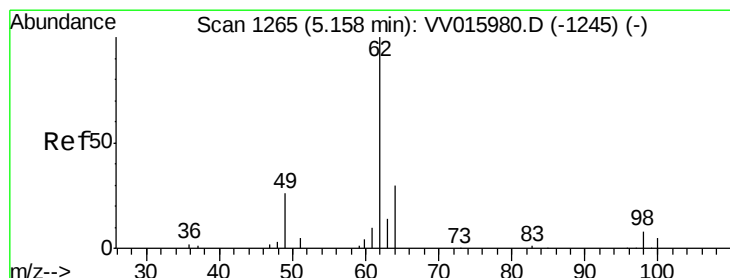
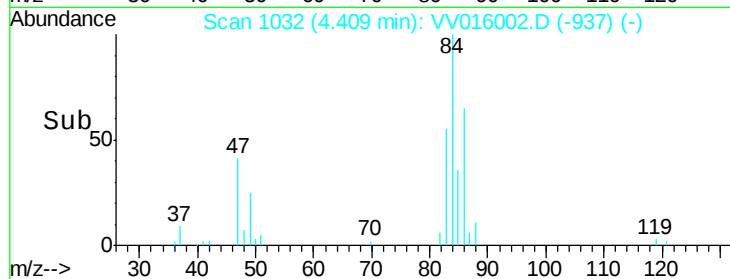
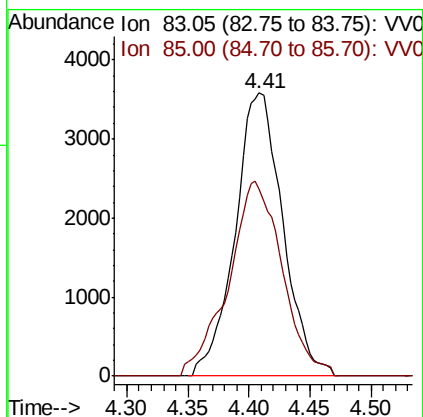
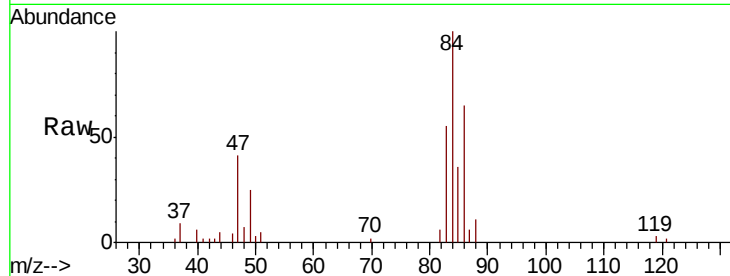




#25
Chloroform
Concen: 0.599 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016002.D
Acq: 11 May 2020 20:27

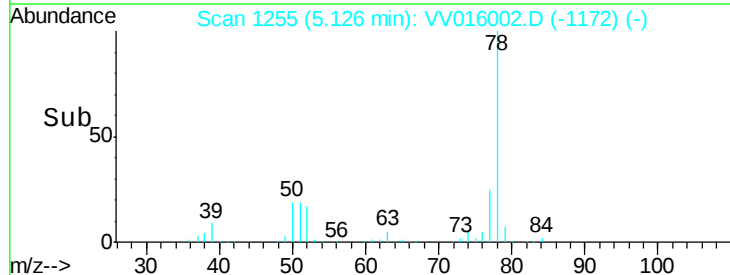
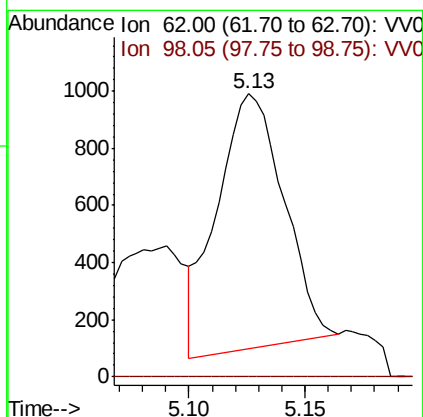
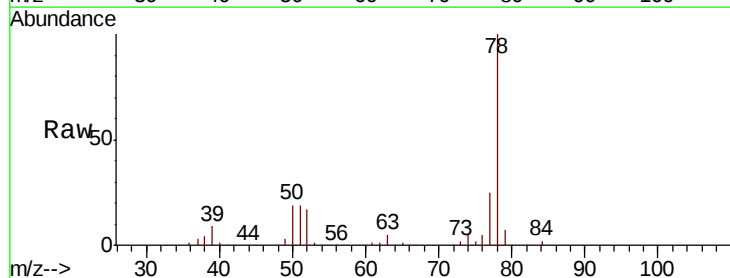
Instrument :
MSVOA_V
ClientSampleId :

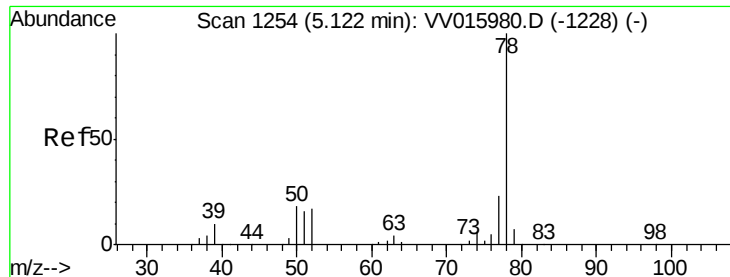
Tot Ion: 83 Resp: 9701
Ion Ratio Lower Upper
83 100
85 66.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.179 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV016002.D
Acq: 11 May 2020 20:27

Tgt Ion: 62 Resp: 1787
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#33

Benzene

Concen: 6.481 ug/L

RT: 5.13 min Scan# 1255

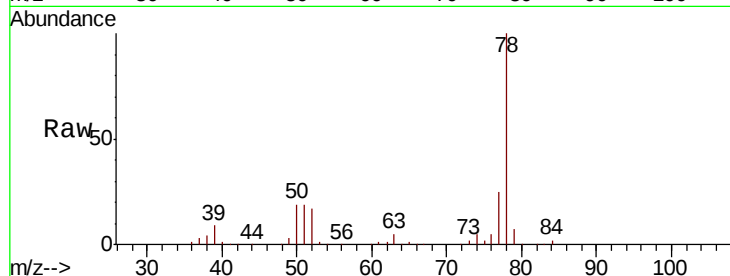
Delta R.T. 0.00 min

Lab File: VV016002.D

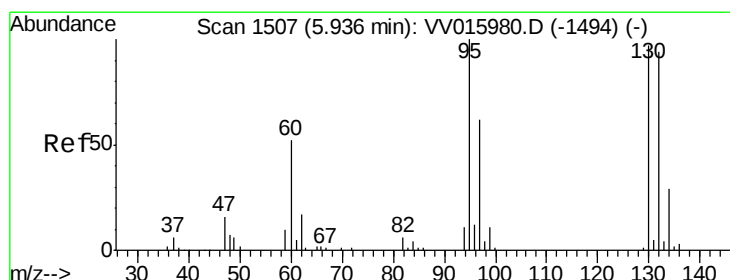
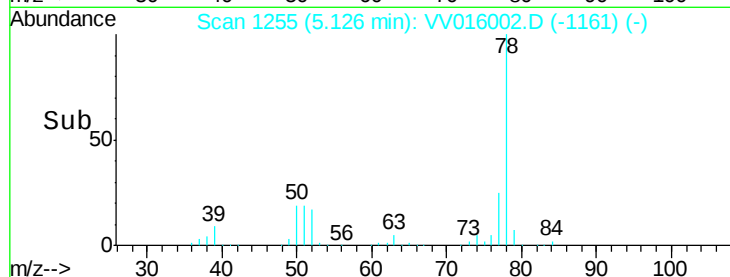
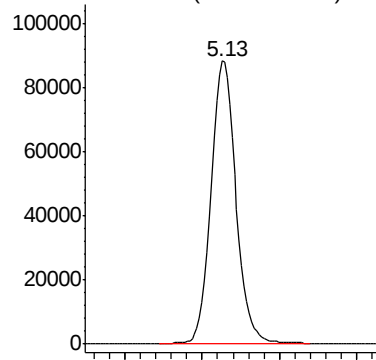
Acq: 11 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 198175



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.498 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016002.D

Acq: 11 May 2020 20:27

Tgt Ion: 95 Resp: 47980

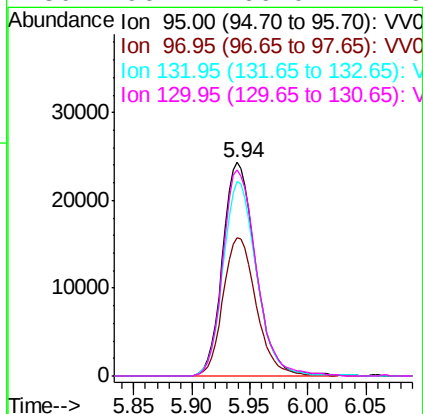
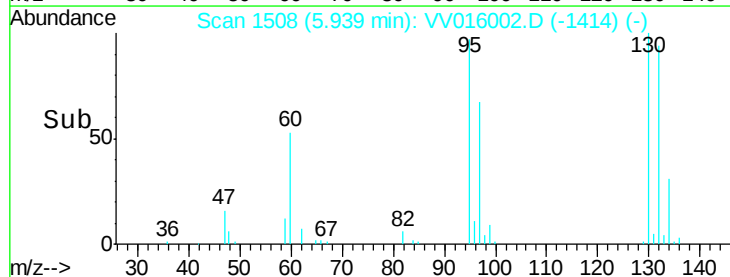
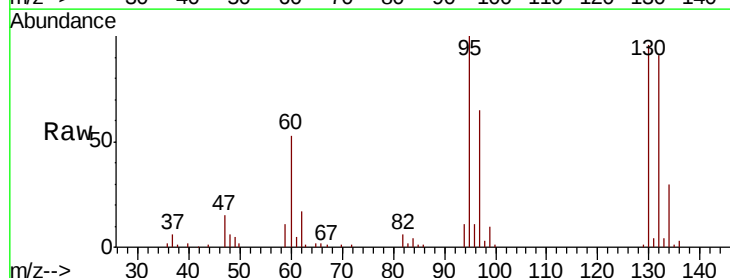
Ion	Ratio	Lower	Upper
95	100		
97	65.0	43.3	80.5
132	91.0	60.3	112.1
130	96.4	66.0	122.6

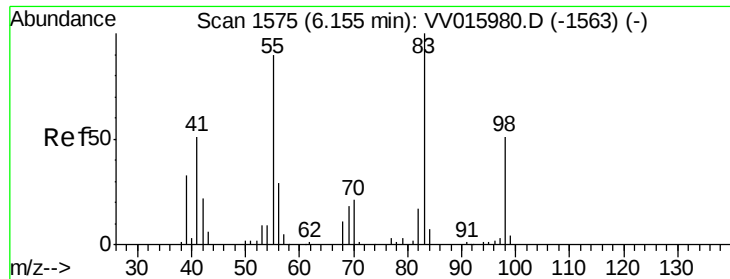
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

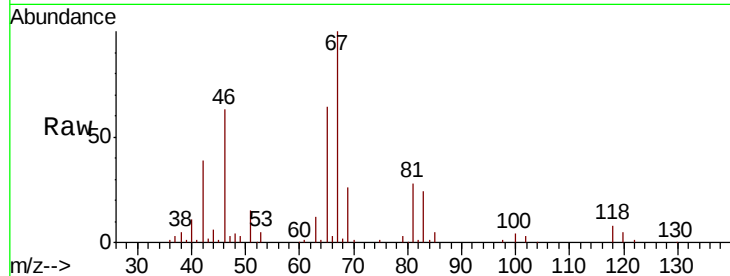




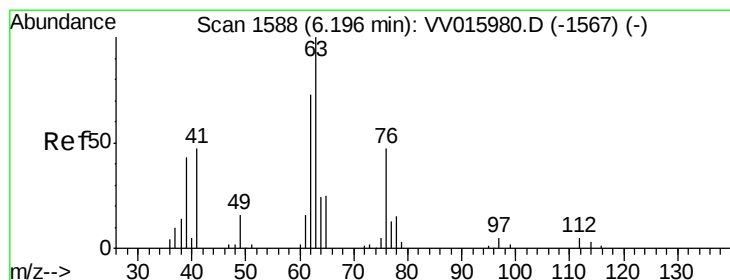
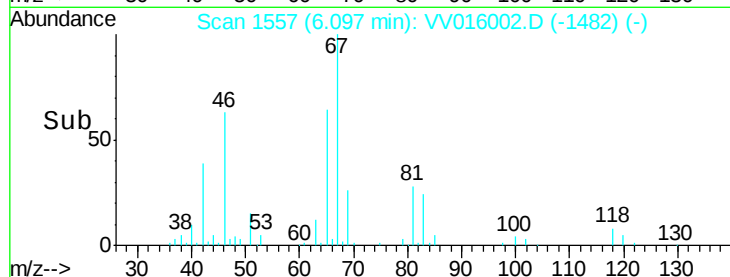
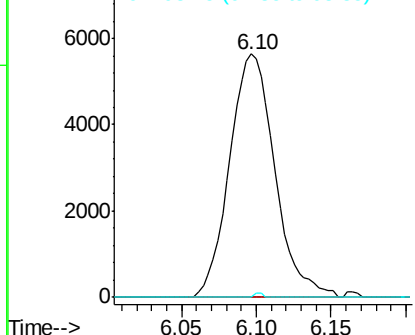
#35
Methvlcvclohexane
Concen: 0.899 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV016002.D
Acq: 11 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 11869
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.2#
98 0.0 37.9 56.9#

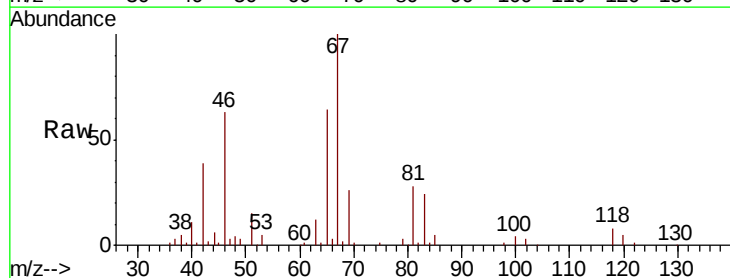


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

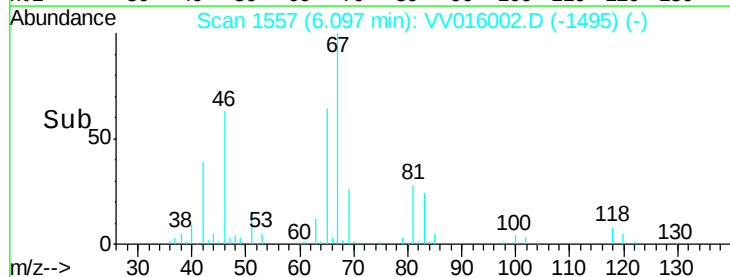
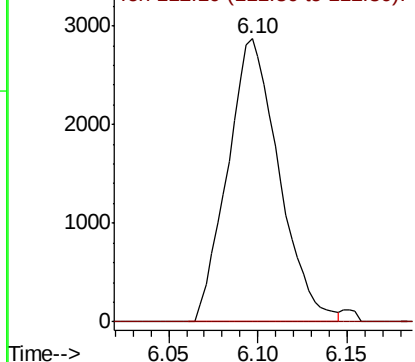


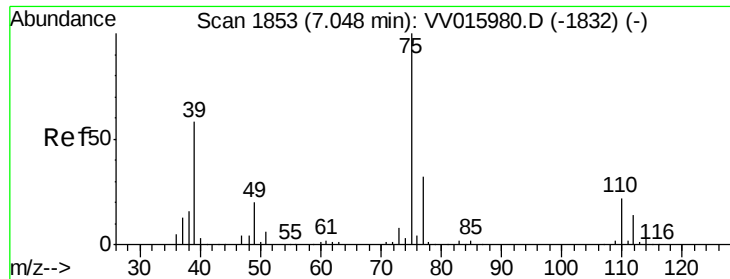
#37
1,2-Dichloropropane
Concen: 0.740 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016002.D
Acq: 11 May 2020 20:27

Tgt Ion: 63 Resp: 5751
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

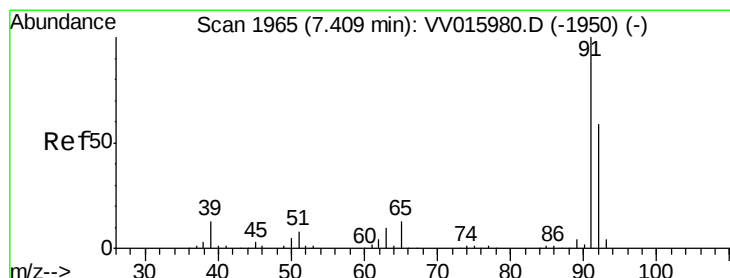
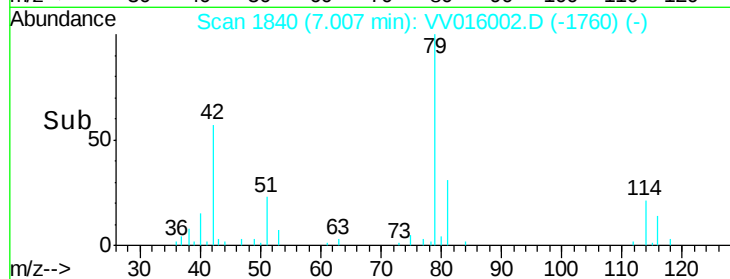
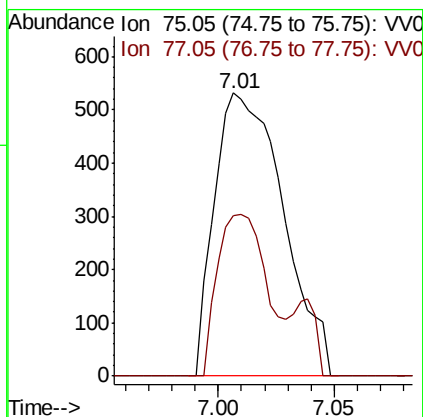
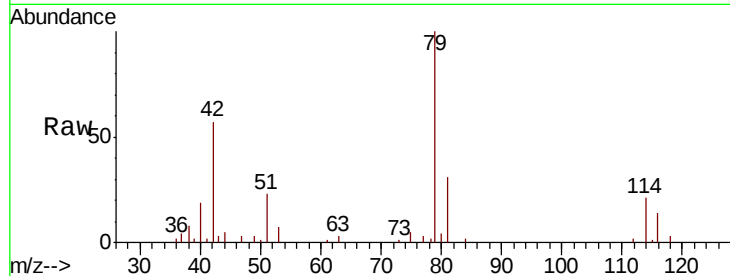




#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV016002.D
 Acq: 11 May 2020 20:27

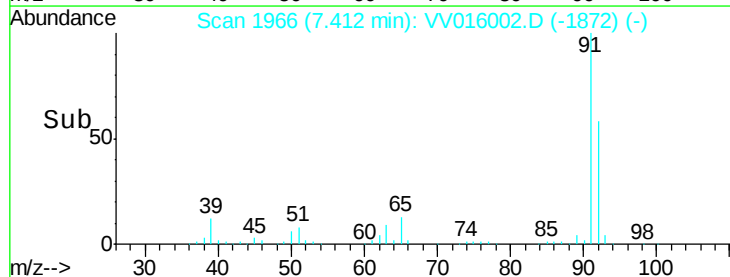
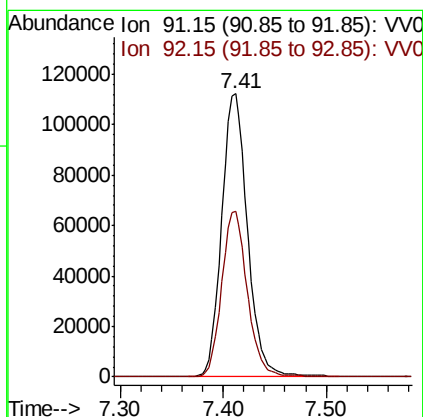
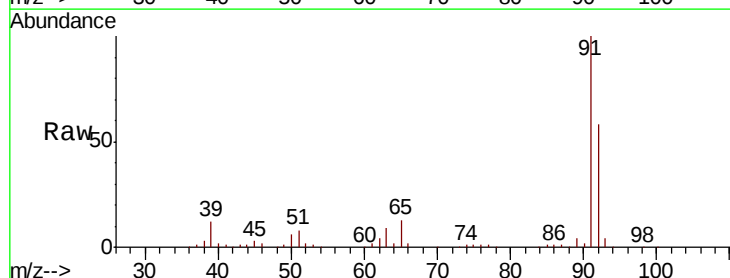
Instrument :
 MSVOA_V
 ClientSampled :

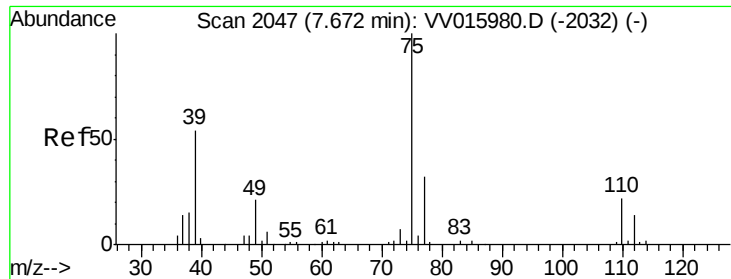
Tot Ion: 75 Resp: 1096
 Ion Ratio Lower Upper
 75 100
 77 56.6 21.3 39.5#



#42
 Toluene
 Concen: 6.052 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016002.D
 Acq: 11 May 2020 20:27

Tgt Ion: 91 Resp: 196140
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.1 74.5

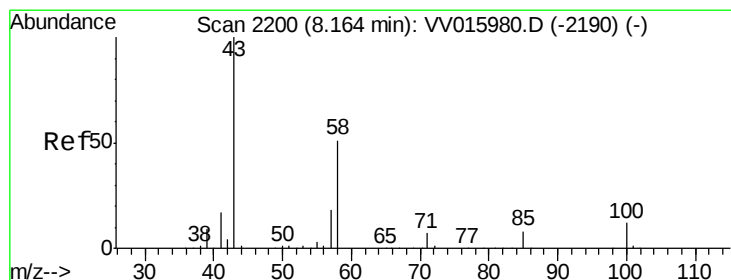
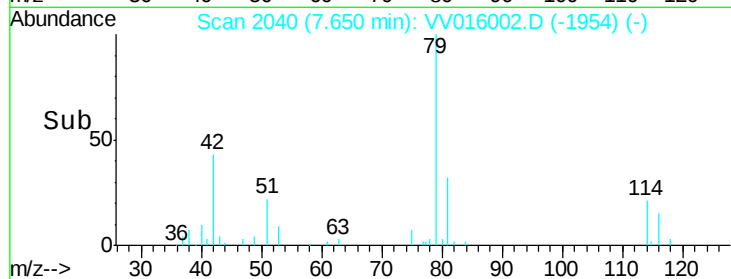
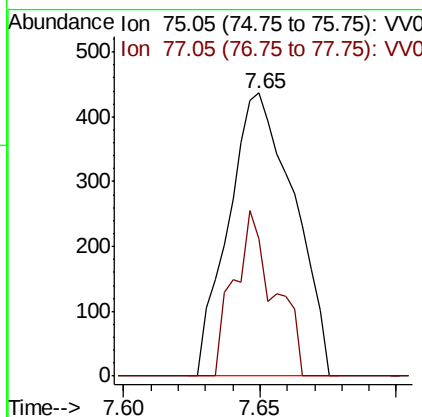
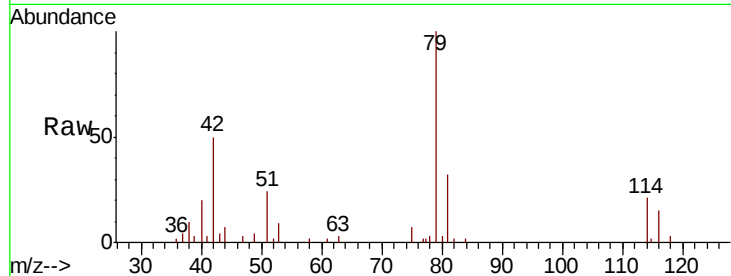




#46
trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016002.D
Acq: 11 May 2020 20:27

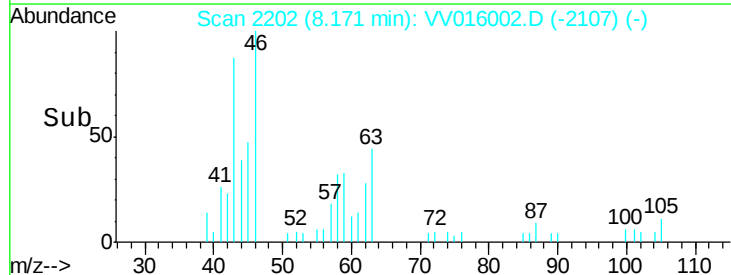
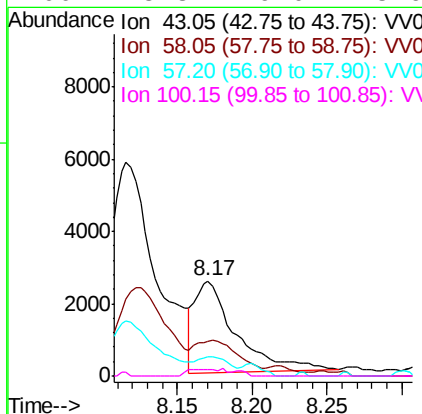
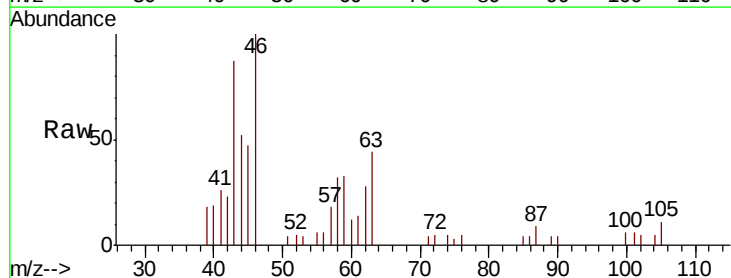
Instrument :
MSVOA_V
ClientSampleId :

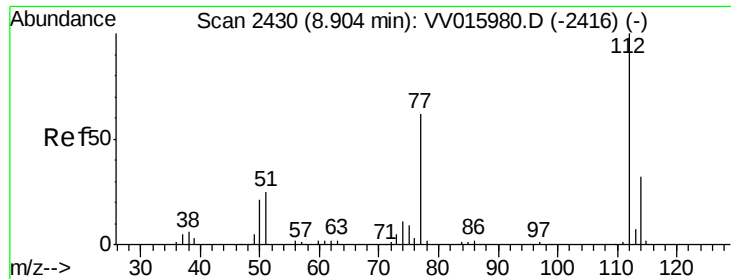
Tot Ion: 75 Resp: 730
Ion Ratio Lower Upper
75 100
77 48.7 21.3 39.6#



#50
2-Hexanone
Concen: 1.404 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV016002.D
Acq: 11 May 2020 20:27

Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
58 37.8 40.8 61.2#
57 17.2 14.7 22.1
100 5.3 9.0 13.6#

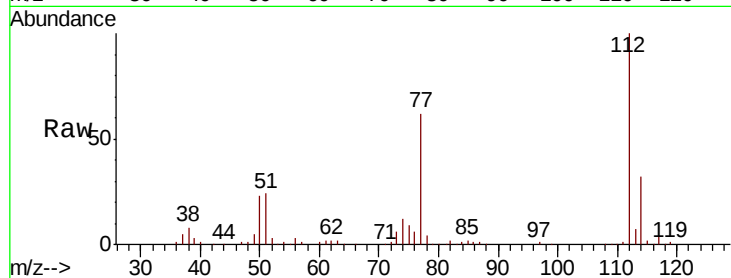




#53
 Chlorobenzene
 Concen: 6.296 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016002.D
 Acq: 11 May 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.6	40.0
77	62.1	48.6	73.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

