

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015789.D
 Acq On : 29 Apr 2020 13:53
 Operator : SY/MD
 Sample : L2419-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 01:38:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	133757	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	128449	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38672	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.58	69	34514	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.12	63	56921	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	3.91	46	94811	42.24	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.48%
24) Chloroform-d	4.38	84	71424	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.06	65	41906	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.08	84	141302	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.10	67	44668	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	125933	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.65	79	15007	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.11	63	61715	33.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28191	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	45361	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1790	0.181	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	603	0.072	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	733	0.094	ug/L #	1
13) Acetone	2.19	43	8597	5.516	ug/L	96
14) Carbon disulfide	2.31	76	1320	0.060	ug/L #	66
15) Methyl Acetate	2.35	43	1066	0.288	ug/L #	56
25) Chloroform	4.41	83	3439	0.189	ug/L	98
35) Methylcyclohexane	6.09	83	10645	0.684	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	5557	0.596	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1348	0.104	ug/L #	62
42) Toluene	7.42	91	2692	0.069	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	887	0.081	ug/L	94
47) Tetrachloroethene	8.00	164	1167	0.160	ug/L	89
48) 2-Hexanone	8.17	43	10187	2.360	ug/L #	85
49) Dibromochloromethane	8.00	129	980	0.149	ug/L #	12
53) m,p-xylene	9.16	106	1181	0.071	ug/L	90
63) 1,4-Dichlorobenzene	11.30	146	1087	0.056	ug/L #	83

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QLast Update : Thu Apr 30 01:35:08 2020
Response via : Initial Calibration

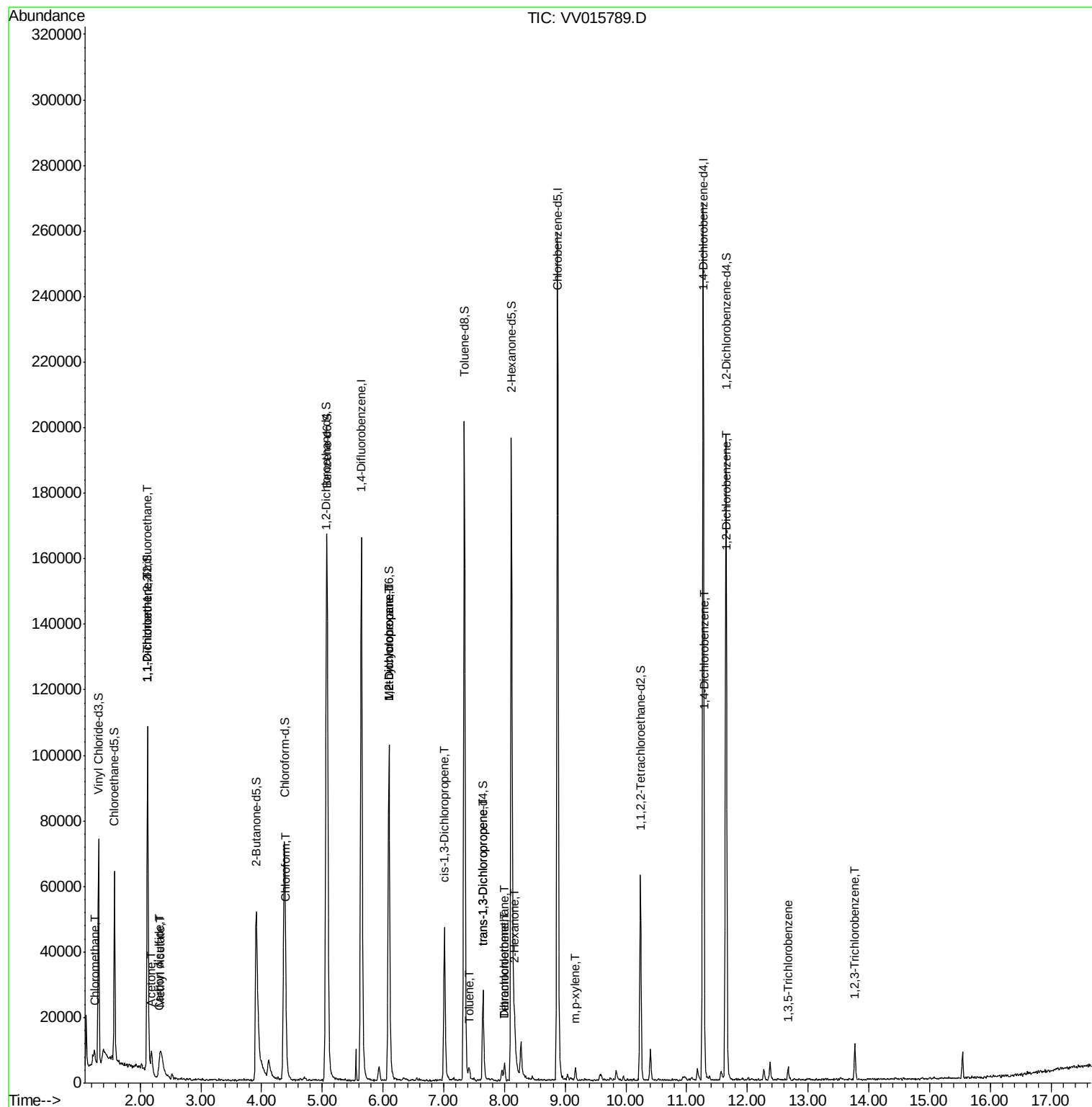
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.67	146	1773	0.102	ug/L #	91
67) 1,3,5-Trichlorobenzene	12.67	180	1188	0.084	ug/L	95
70) 1,2,3-Trichlorobenzene	13.77	180	2960	0.257	ug/L	97

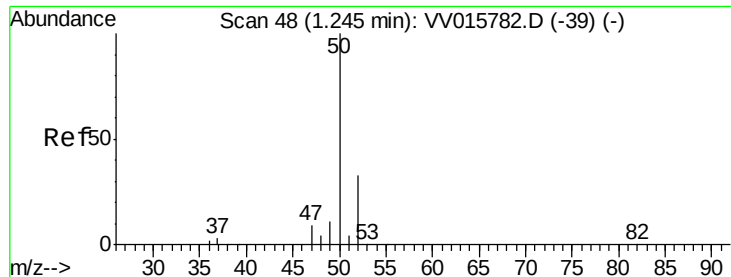
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.181 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

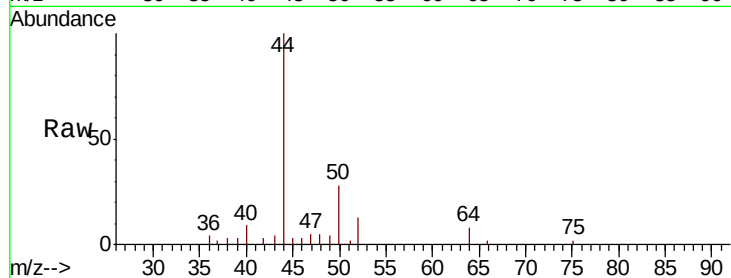
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1790

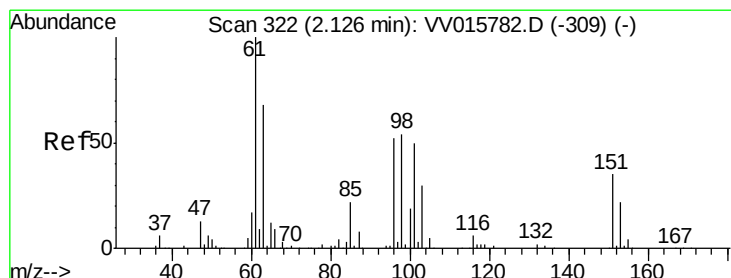
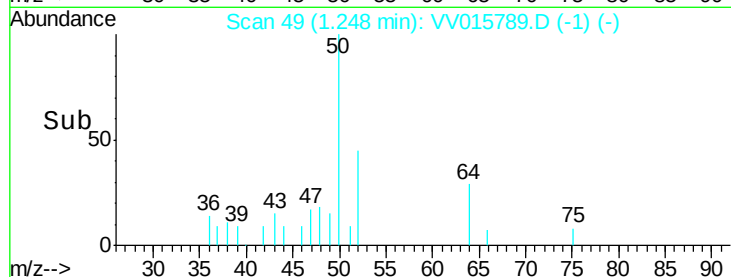
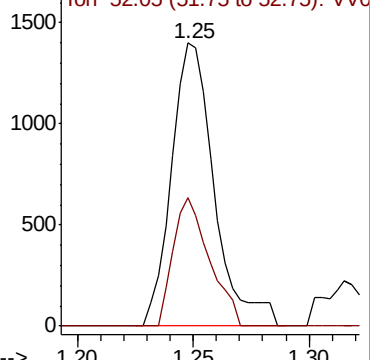
Ion Ratio Lower Upper

50 100

52 45.2 22.9 42.5#



Abundance Ion 50.05 (49.75 to 50.75): VV015789.D (-1) (-)



#10

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

Concen: 0.072 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

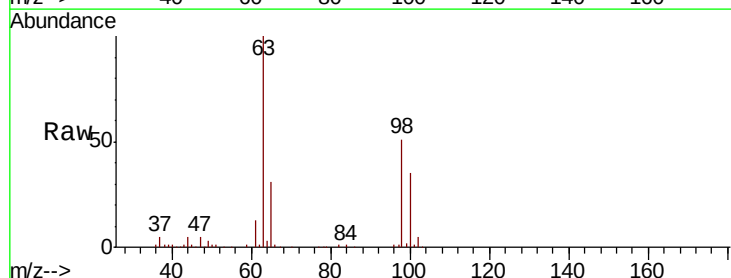
Tgt Ion: 101 Resp: 603

Ion Ratio Lower Upper

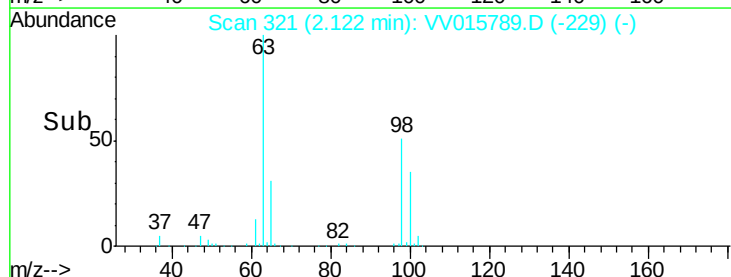
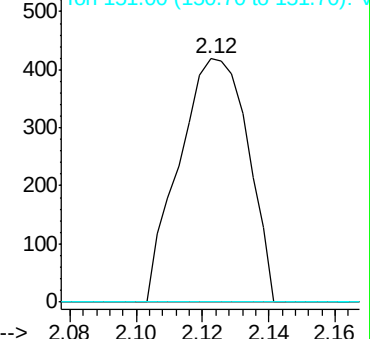
101 100

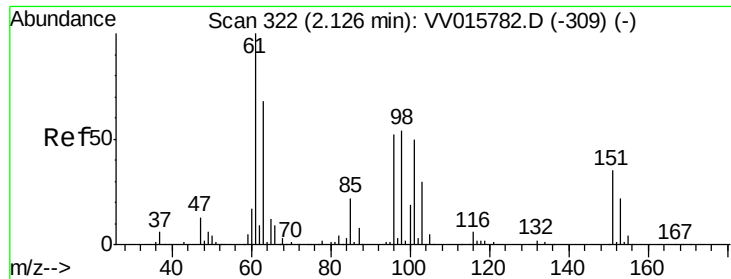
85 0.0 36.1 54.1#

151 0.0 55.2 82.8#



Abundance Ion 101.00 (100.70 to 101.70): VV015789.D (-229) (-)





#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

Instrument :

MSVOA_V

ClientSampleId :

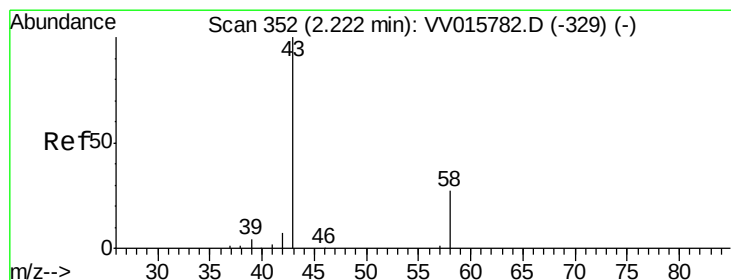
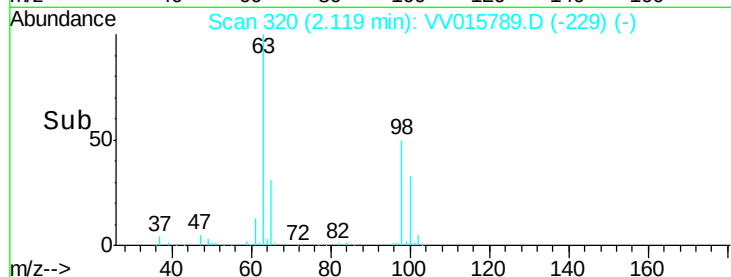
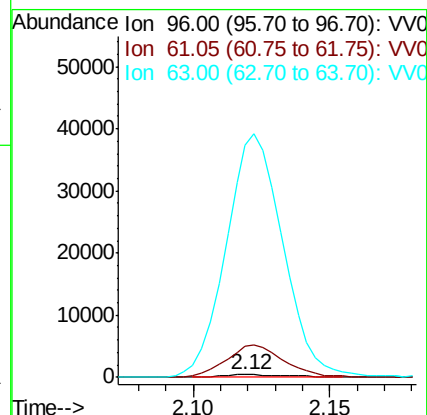
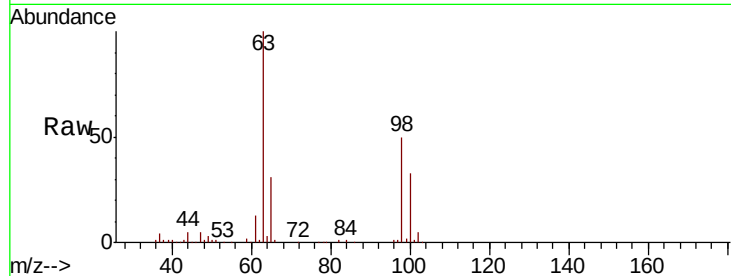
Tot Ion: 96 Resp: 733

Ion Ratio Lower Upper

96 100

61 1212.0 130.1 241.7#

63 9155.8 91.4 169.8#



#13

Acetone

Concen: 5.516 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV015789.D

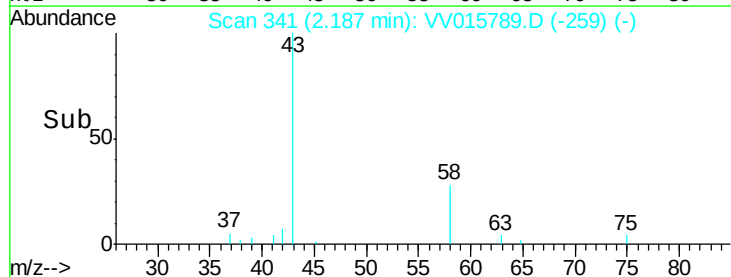
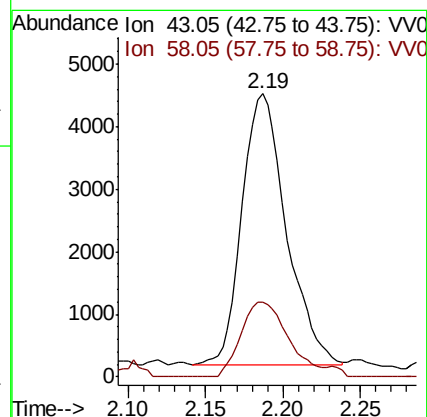
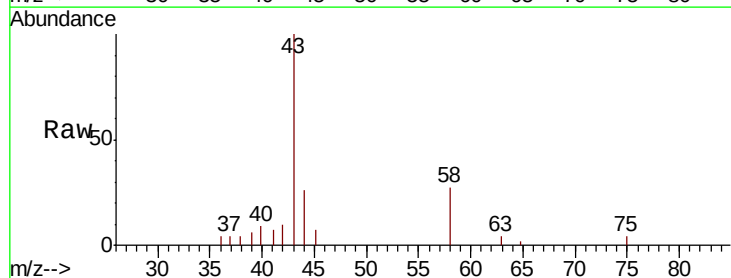
Acq: 29 Apr 2020 13:53

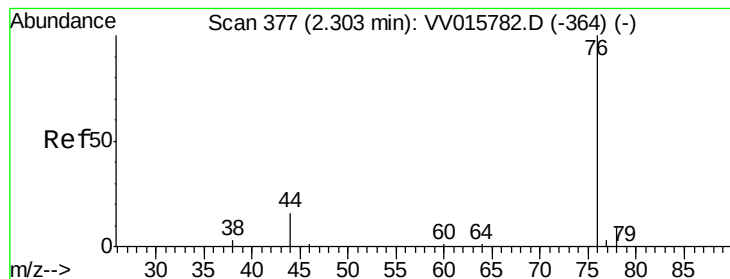
Tgt Ion: 43 Resp: 8597

Ion Ratio Lower Upper

43 100

58 30.9 0.0 57.6





#14

Carbon disulfide

Concen: 0.060 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

Instrument :

MSVOA_V

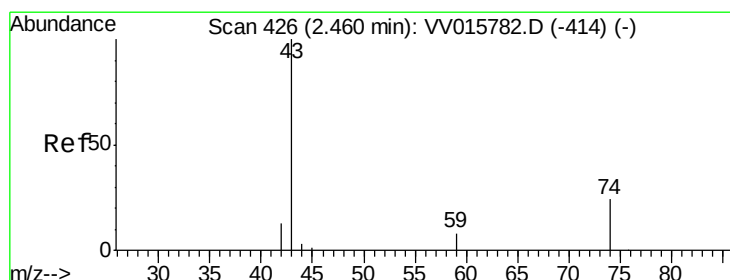
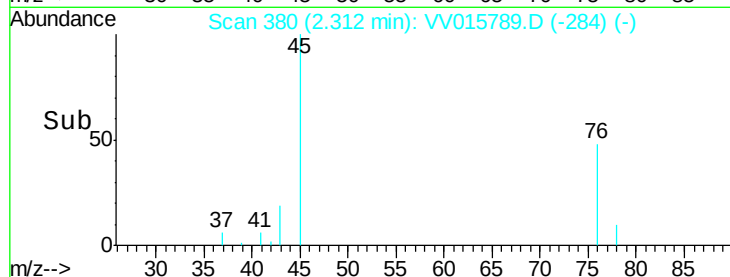
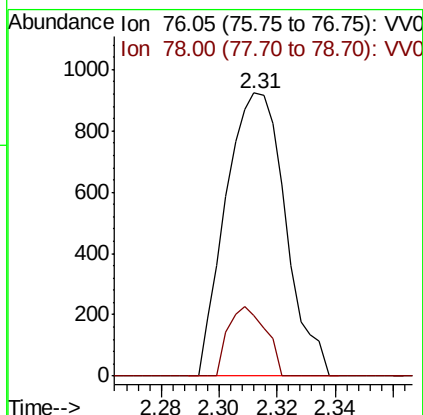
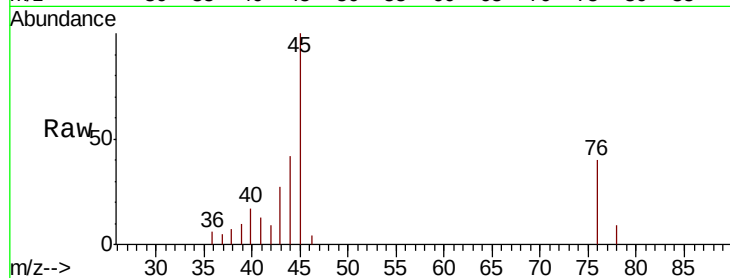
ClientSampleId :

Tot Ion: 76 Resp: 1320

Ion Ratio Lower Upper

76 100

78 21.5 7.4 11.0#



#15

Methyl Acetate

Concen: 0.288 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.11 min

Lab File: VV015789.D

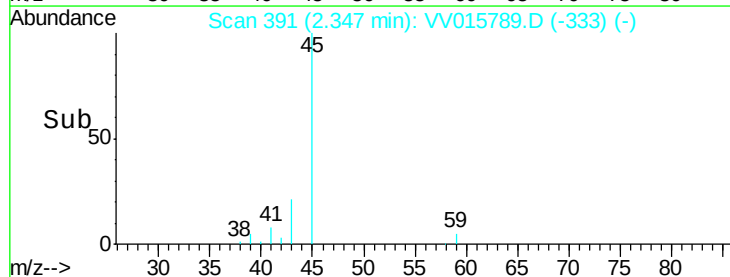
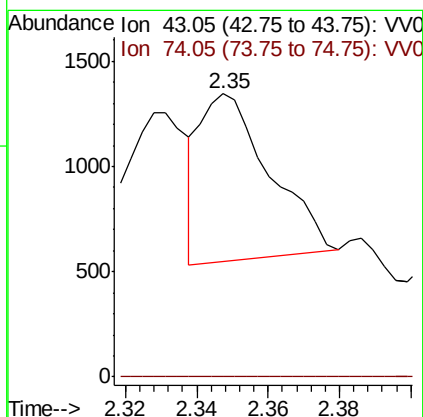
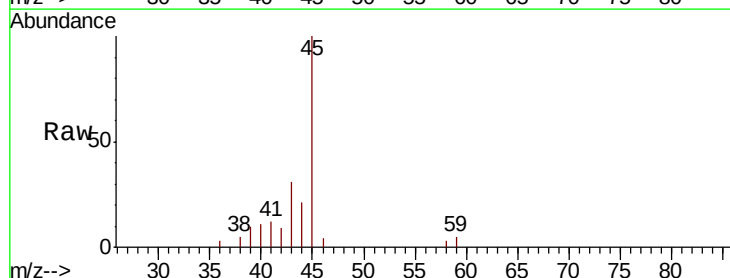
Acq: 29 Apr 2020 13:53

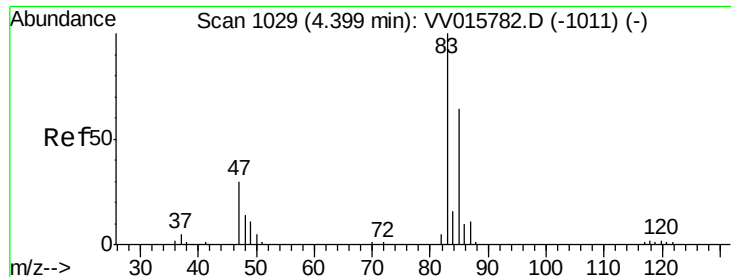
Tgt Ion: 43 Resp: 1066

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#

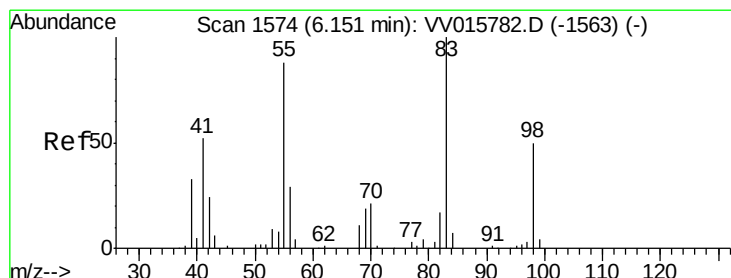
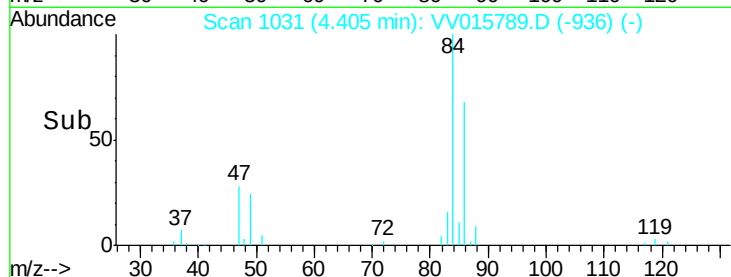
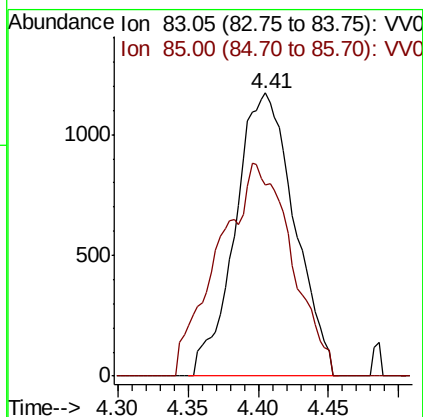
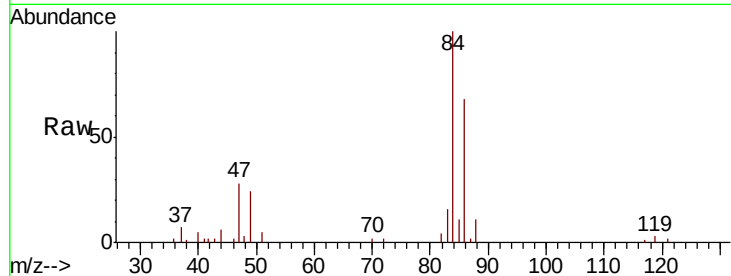




#25
Chloroform
Concen: 0.189 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015789.D
Acq: 29 Apr 2020 13:53

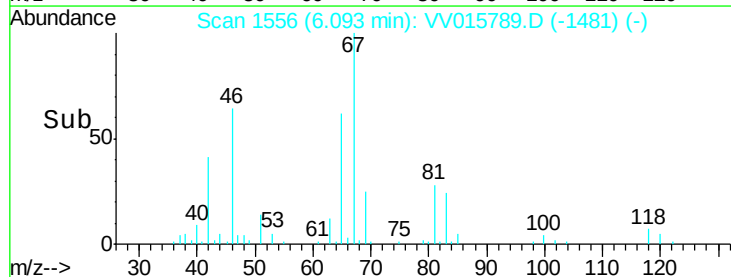
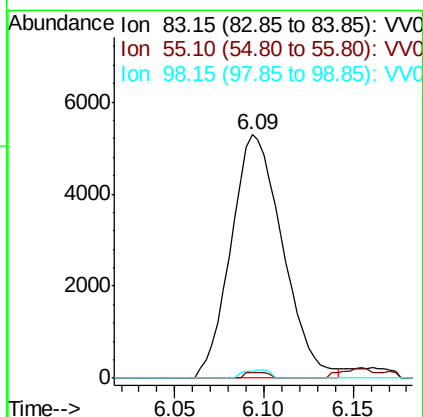
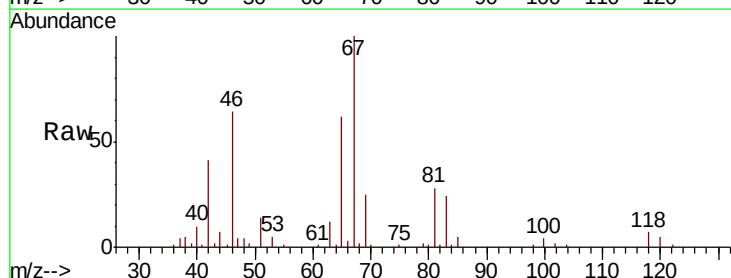
Instrument :
MSVOA_V
ClientSampled :

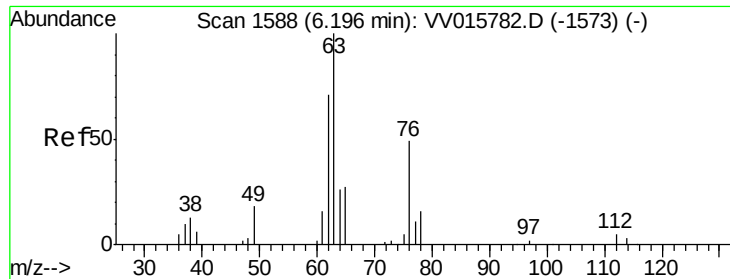
Tot Ion: 83 Resp: 3439
Ion Ratio Lower Upper
83 100
85 67.7 46.1 85.5



#35
Methylcyclohexane
Concen: 0.684 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015789.D
Acq: 29 Apr 2020 13:53

Tgt Ion: 83 Resp: 10645
Ion Ratio Lower Upper
83 100
55 1.0 66.6 99.8#
98 1.6 39.5 59.3#

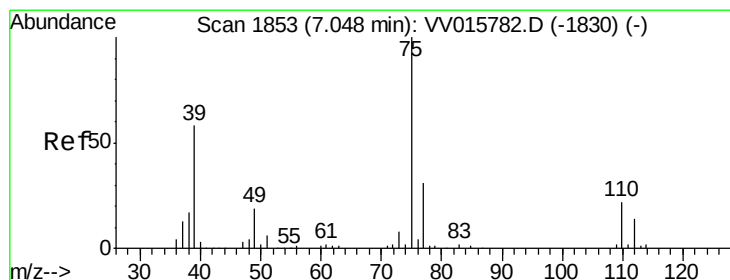
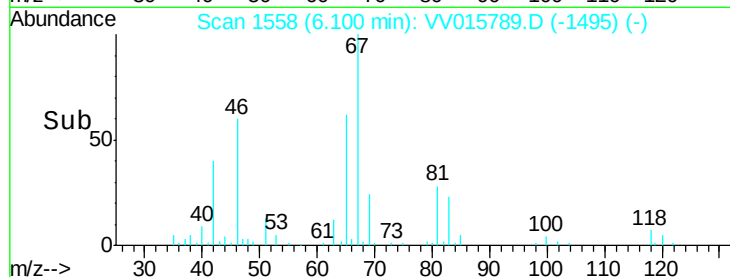
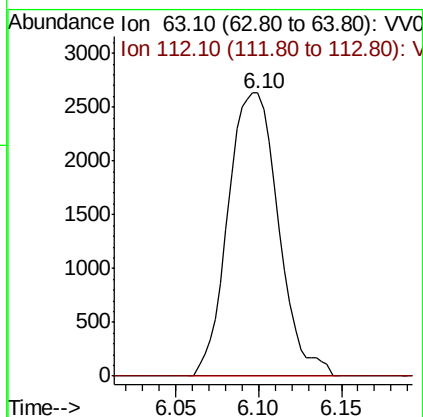
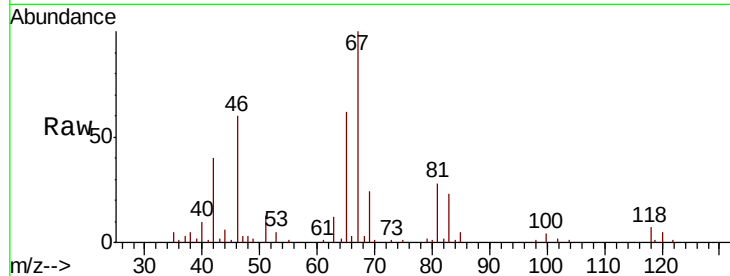




#37
 1,2-Dichloropropane
 Concen: 0.596 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

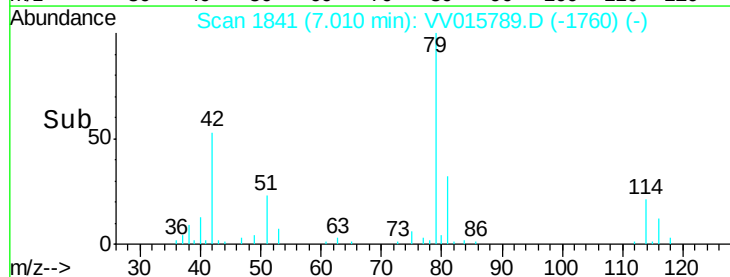
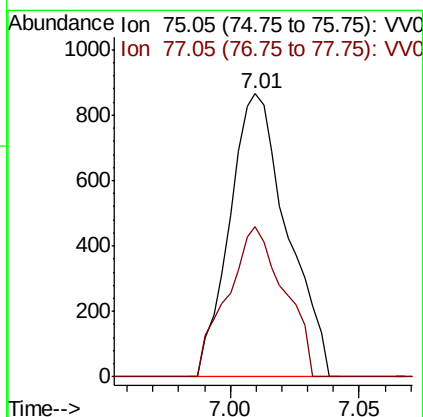
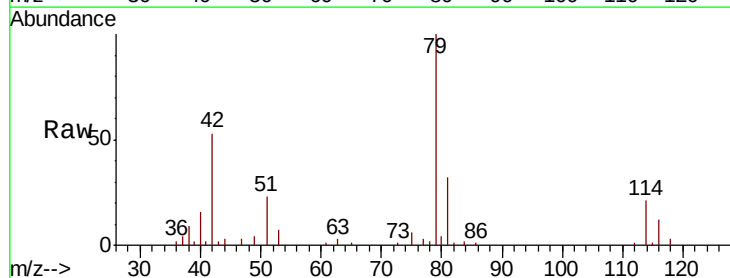
Instrument :
 MSVOA_V
 ClientSampleId :

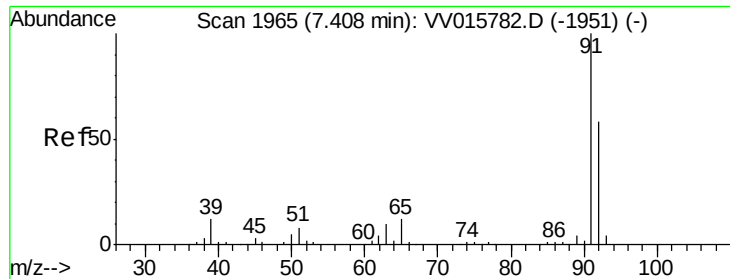
Tot Ion: 63 Resp: 5557
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

Tgt Ion: 75 Resp: 1348
 Ion Ratio Lower Upper
 75 100
 77 53.2 22.3 41.5#





#42

Toluene

Concen: 0.069 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

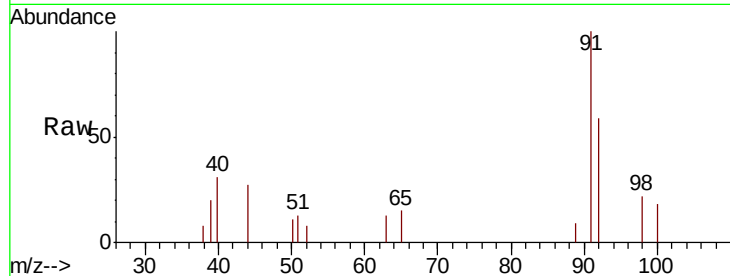
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2692

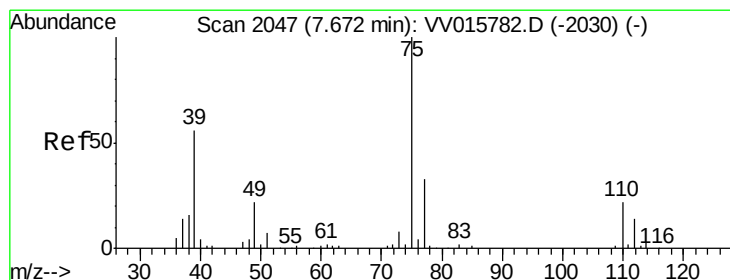
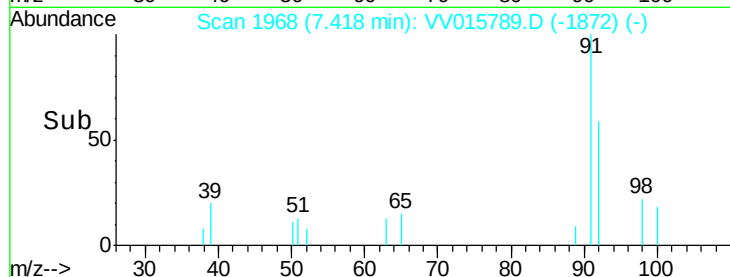
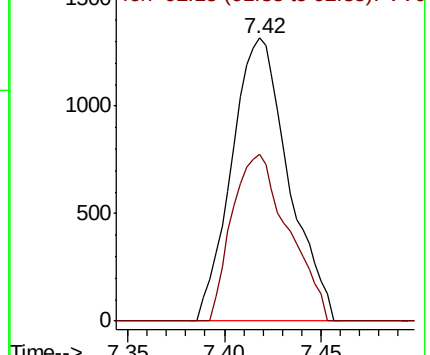
Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015789.D

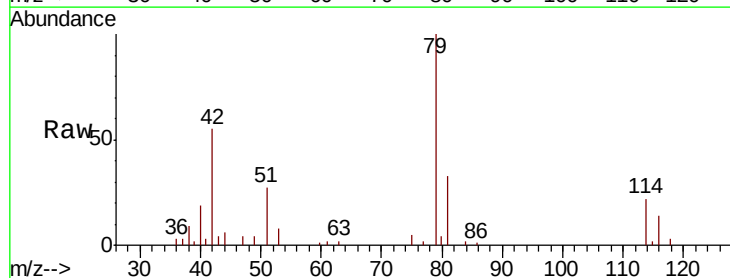
Acq: 29 Apr 2020 13:53

Tgt Ion: 75 Resp: 887

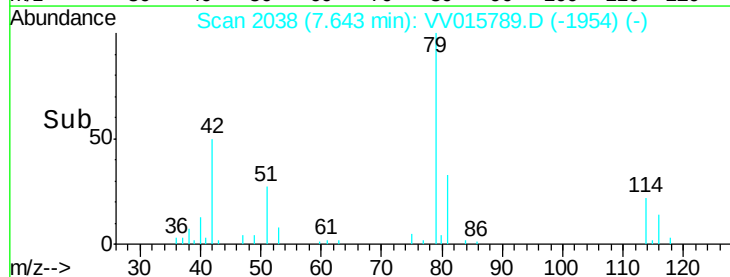
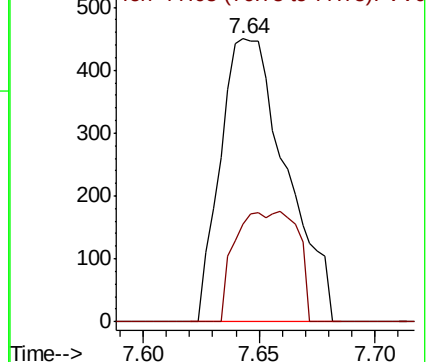
Ion Ratio Lower Upper

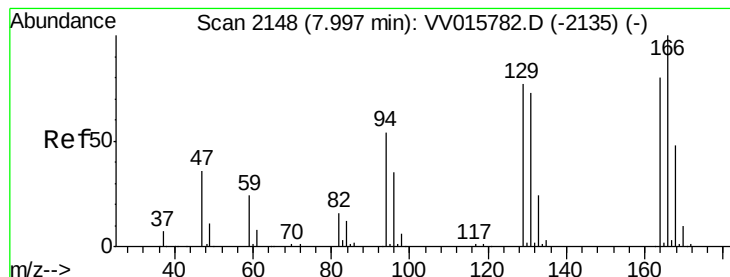
75 100

77 34.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#47

Tetrachloroethene

Concen: 0.160 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 1167

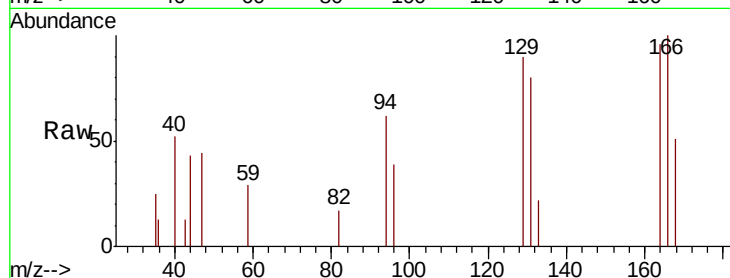
Ion Ratio Lower Upper

164 100

129 92.8 66.7 123.9

131 83.3 66.6 123.6

166 103.6 85.3 158.5

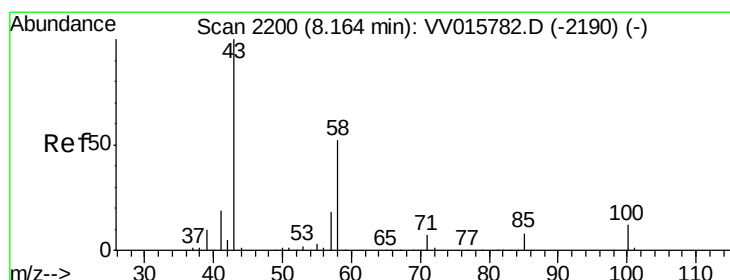
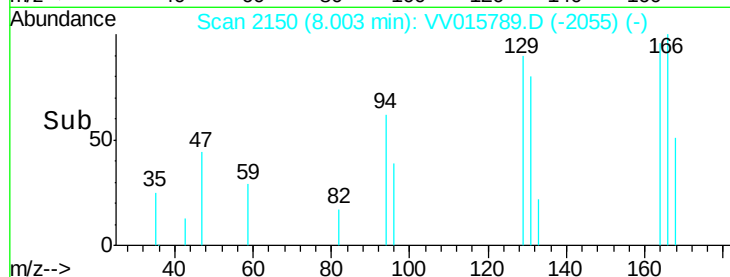
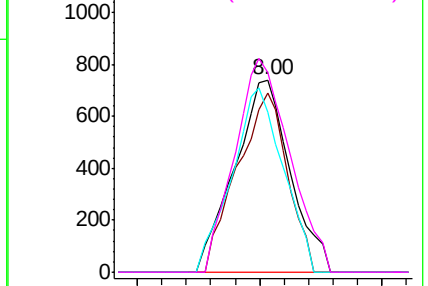


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.360 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015789.D

Acq: 29 Apr 2020 13:53

Tgt Ion: 43 Resp: 10187

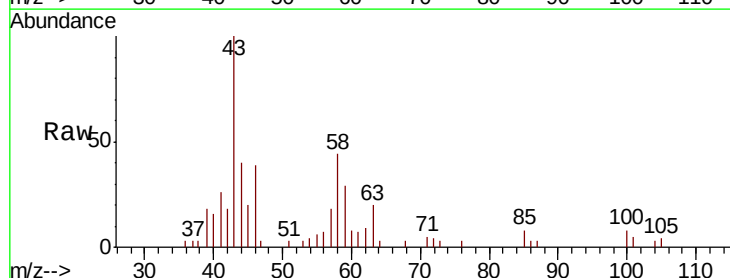
Ion Ratio Lower Upper

43 100

58 43.1 41.1 61.7

57 8.4 15.0 22.4#

100 6.4 9.0 13.4#

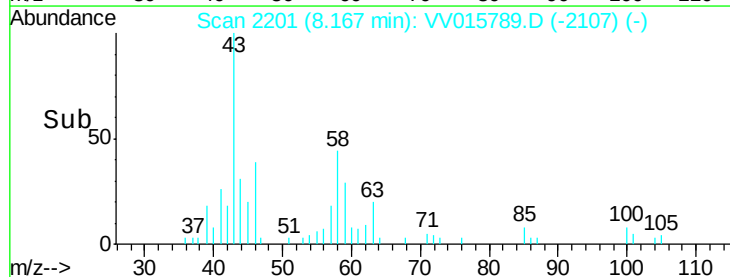
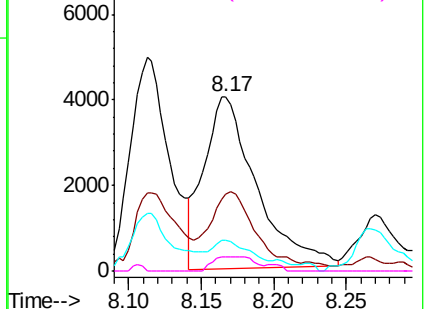


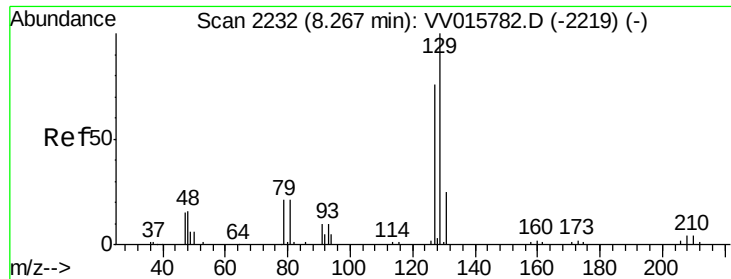
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

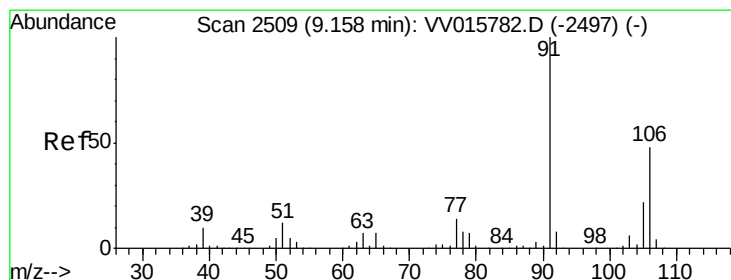
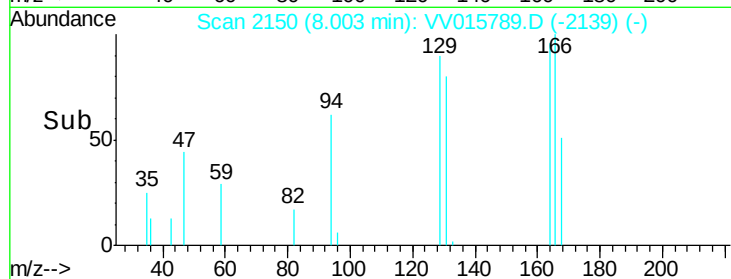
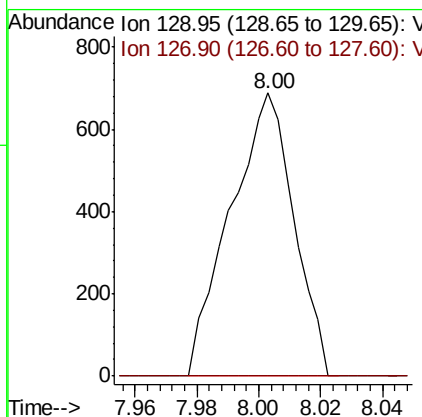
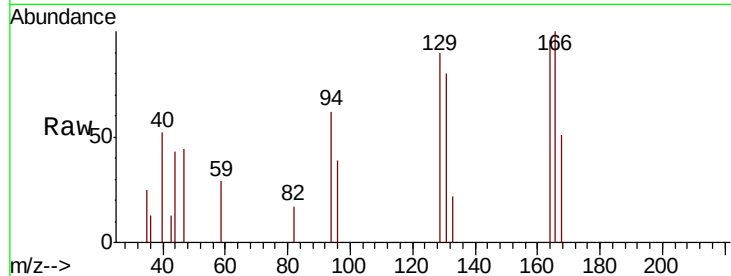




#49
 Dibromochloromethane
 Concen: 0.149 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. -0.26 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

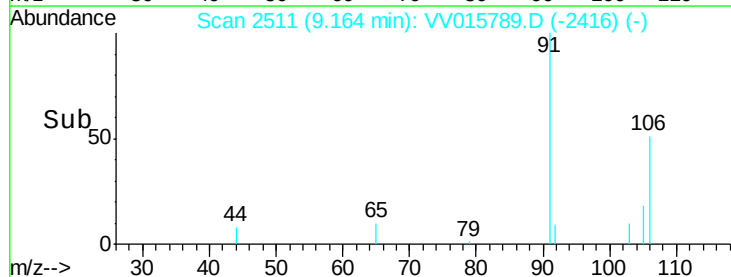
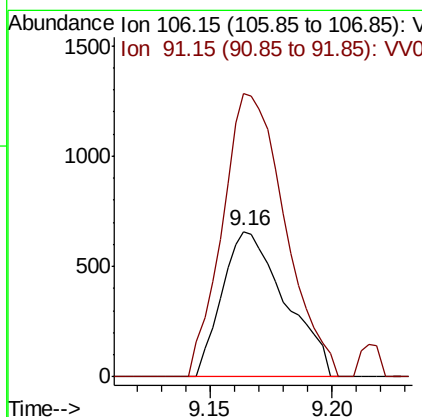
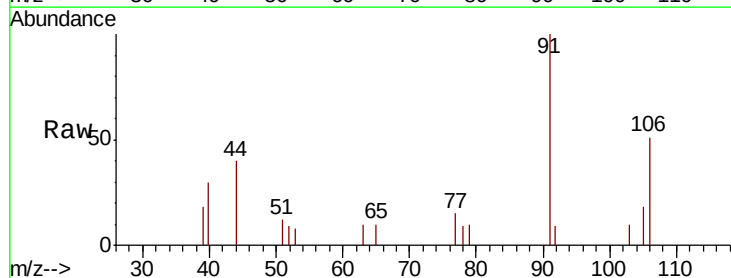
Instrument :
 MSVOA_V
 ClientSampleId :

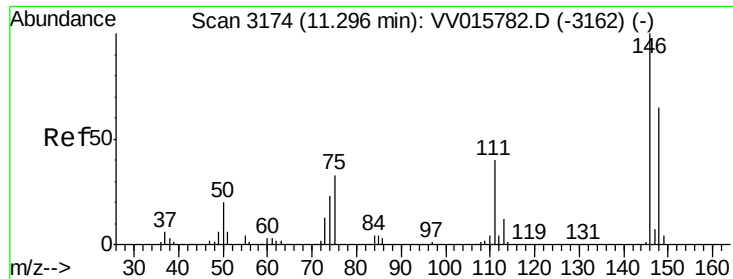
Tot Ion:129 Resp: 980
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.6 97.8#



#53
 m,p-xylene
 Concen: 0.071 ug/L
 RT: 9.16 min Scan# 2511
 Delta R.T. 0.01 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

Tgt Ion:106 Resp: 1181
 Ion Ratio Lower Upper
 106 100
 91 194.8 147.8 274.4

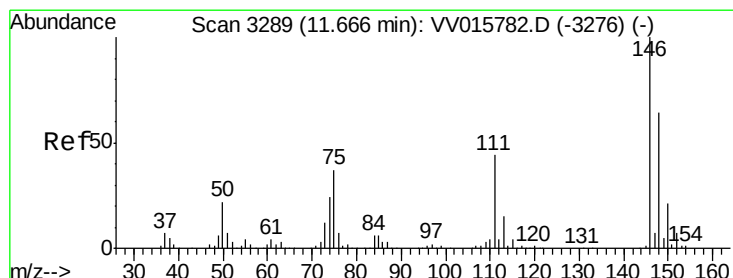
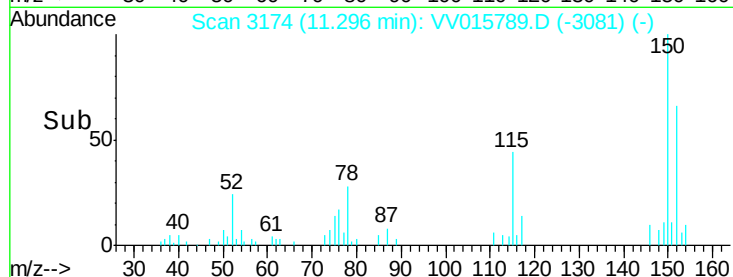
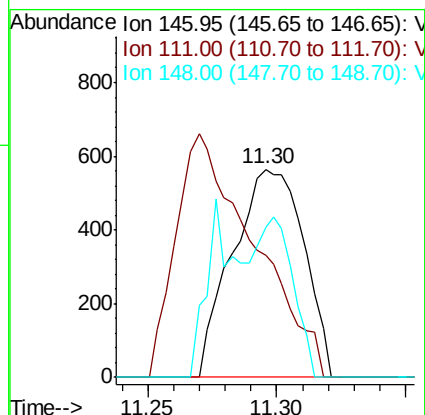
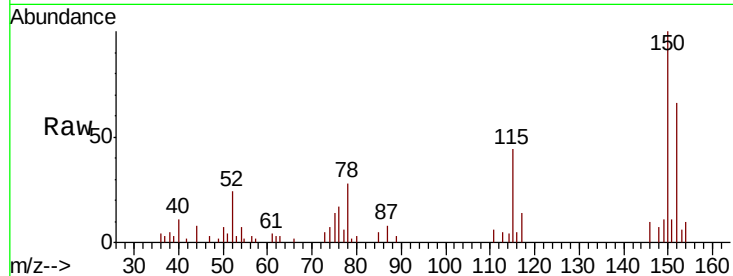




#63
 1,4-Dichlorobenzene
 Concen: 0.056 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

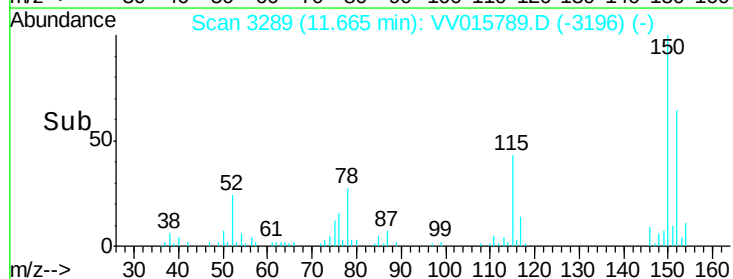
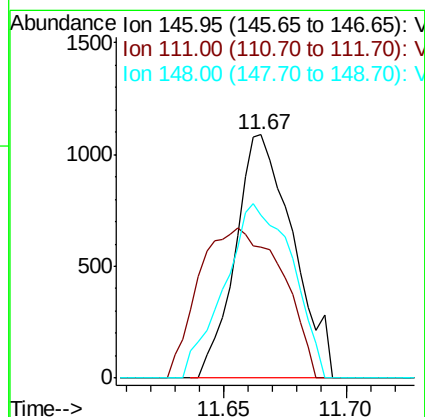
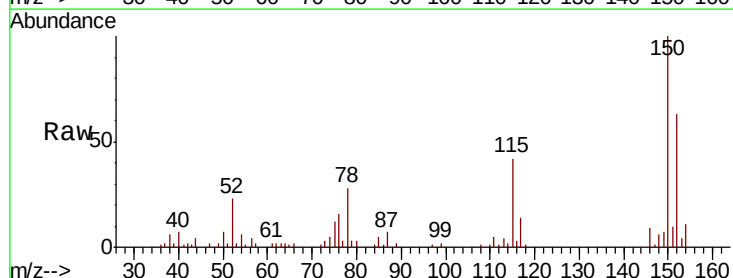
Instrument :
 MSVOA_V
 ClientSampled :

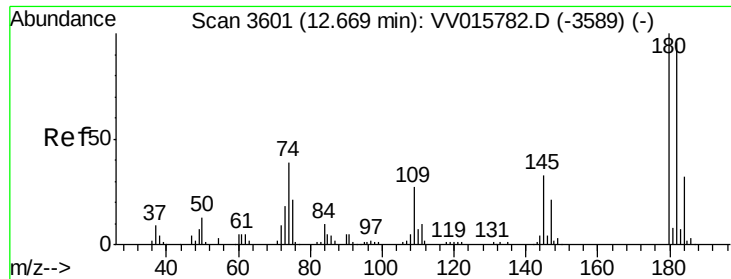
Tot Ion:146 Resp: 1087
 Ion Ratio Lower Upper
 146 100
 111 58.7 28.2 52.4#
 148 72.0 45.7 84.9



#65
 1,2-Dichlorobenzene
 Concen: 0.102 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

Tgt Ion:146 Resp: 1773
 Ion Ratio Lower Upper
 146 100
 111 53.7 34.7 52.1#
 148 67.0 51.3 76.9

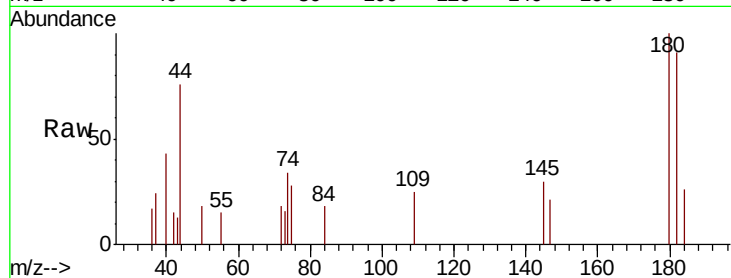




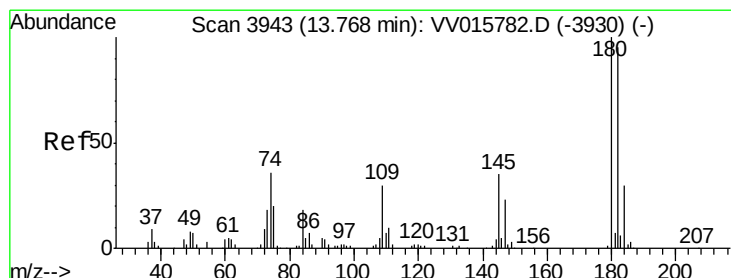
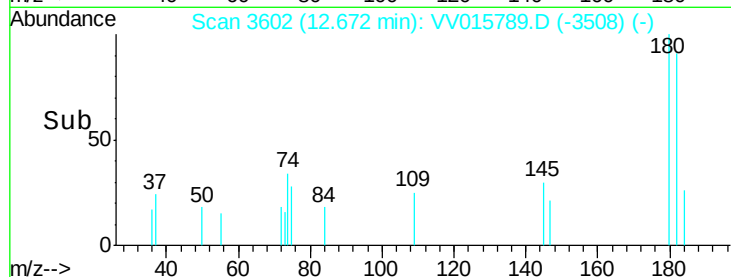
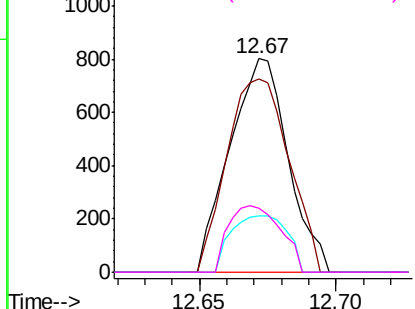
#67
 1,3,5-Trichlorobenzene
 Concen: 0.084 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1188
 Ion Ratio Lower Upper
 180 100
 182 96.6 78.2 117.4
 184 25.4 25.0 37.4
 145 27.9 26.4 39.6

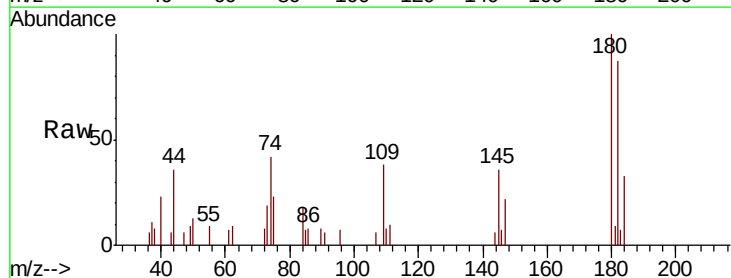


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015789.D
 Acq: 29 Apr 2020 13:53

Tgt Ion:180 Resp: 2960
 Ion Ratio Lower Upper
 180 100
 182 89.3 74.8 112.2
 145 35.8 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

