

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016389.D
 Acq On : 31 May 2020 15:50
 Operator : SY/MD
 Sample : L2826-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 07:19:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 07:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	70320	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	67706	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	29727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29263	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	23579	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.13	63	39762	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.96	46	70633	53.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.36%
24) Chloroform-d	4.38	84	51932	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	27760	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.08	84	101378	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.10	67	30937	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	86146	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
45) trans-1,3-Dichloropropene-	7.65	79	9715	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
48) 2-Hexanone-d5	8.12	63	49151	49.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21170	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	29901	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	8985	1.280	ug/L	98
5) Vinyl chloride	1.32	62	633	0.101	ug/L #	2
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	352	0.074	ug/L #	21
12) 1,1-Dichloroethene	2.12	96	439	0.097	ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	14728	2.778	ug/L	99
34) Trichloroethene	5.94	95	35889	6.828	ug/L	95
35) Methylcyclohexane	6.10	83	7190	0.849	ug/L #	15
37) 1,2-Dichloropropane	6.09	63	3749	0.740	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	731	0.109	ug/L #	63
46) trans-1,3-Dichloropropene	7.65	75	436	0.079	ug/L #	79
49) Tetrachloroethene	8.00	164	2404	0.624	ug/L	93
50) 2-Hexanone	8.12	43	8498	3.980	ug/L #	75
51) Dibromochloromethane	8.00	129	2430	0.717	ug/L #	9
53) Chlorobenzene	8.91	112	2784	0.208	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	649	0.069	ug/L	83
70) Naphthalene	13.53	128	4056	0.299	ug/L	97

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Quant Time: Jun 01 07:19:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration

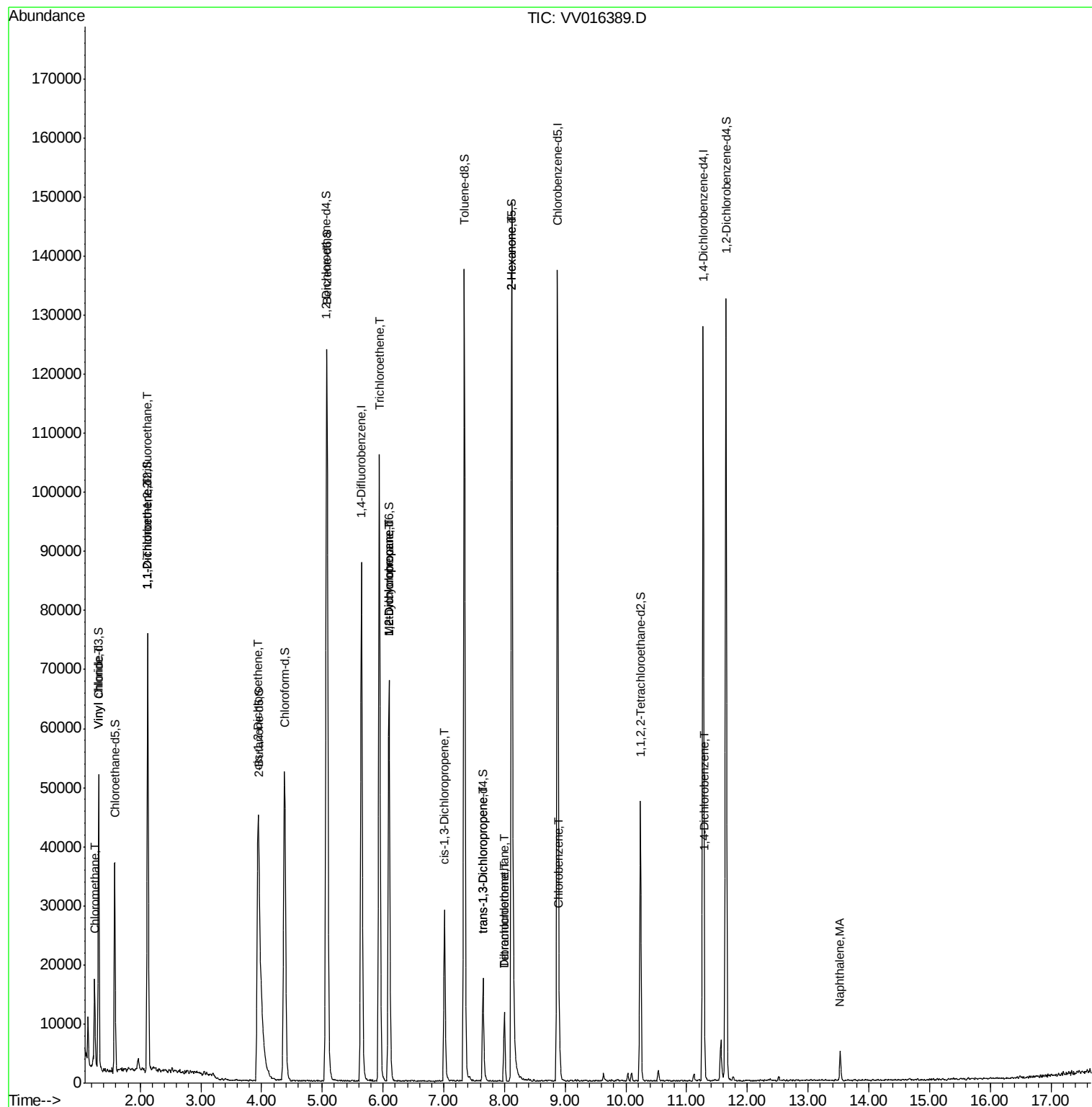
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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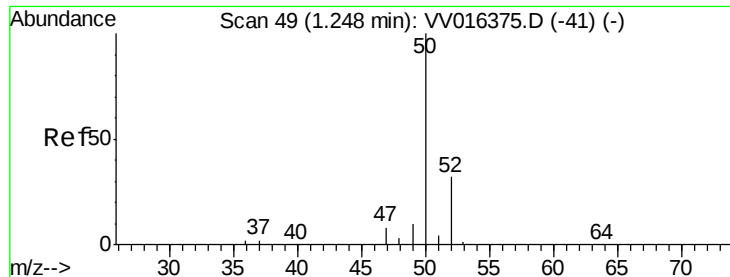
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV053120\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.280 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

Instrument :

MSVOA_V

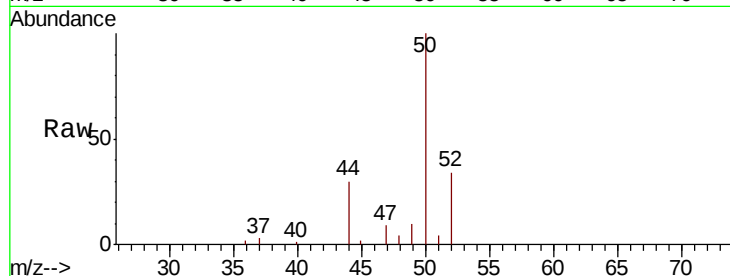
ClientSampleId :

Tot Ion: 50 Resp: 8985

Ion Ratio Lower Upper

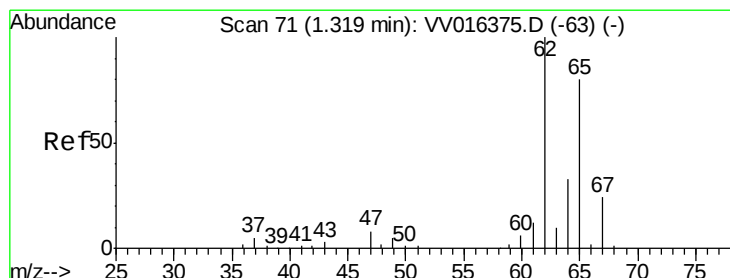
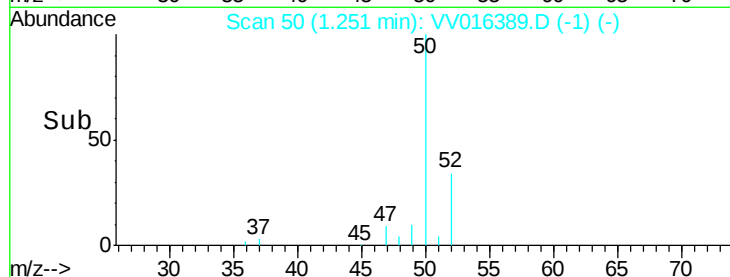
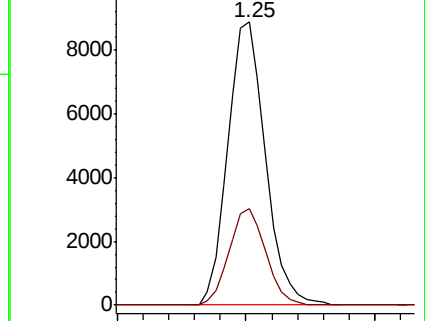
50 100

52 34.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV016389.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016389.D (-1) (-)



#5

Vinyl chloride

Concen: 0.101 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016389.D

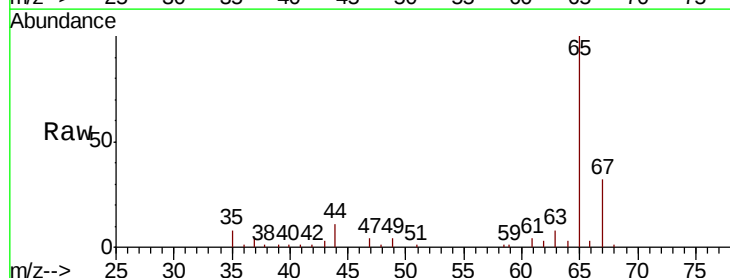
Acq: 31 May 2020 15:50

Tgt Ion: 62 Resp: 633

Ion Ratio Lower Upper

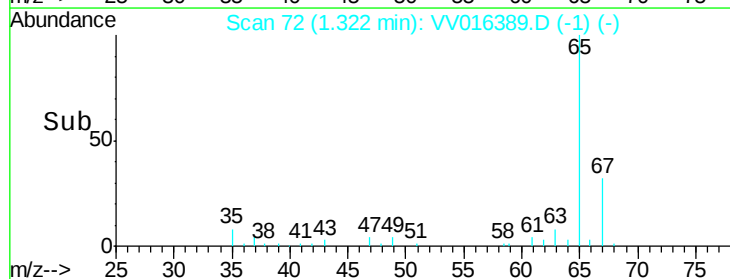
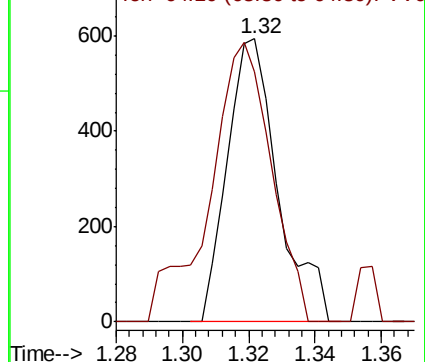
62 100

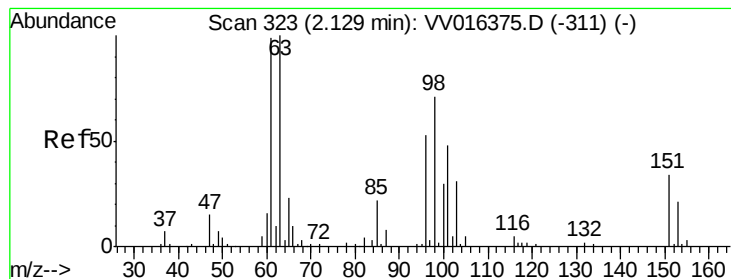
64 88.6 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV016389.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VV016389.D (-1) (-)





#10

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

Concen: 0.074 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

Instrument :

MSVOA_V

ClientSampleId :

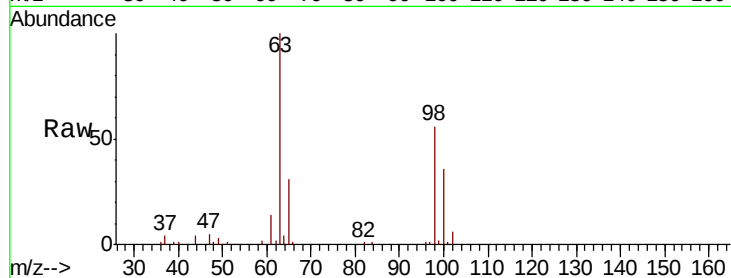
Tot Ion:101 Resp: 352

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

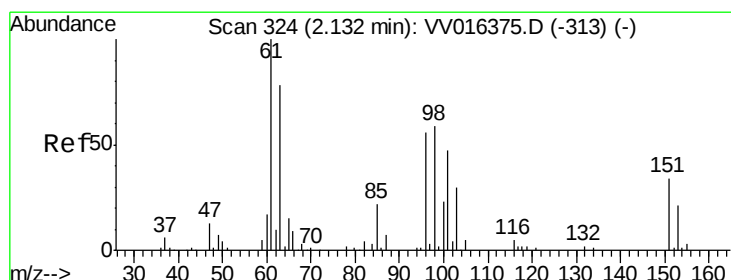
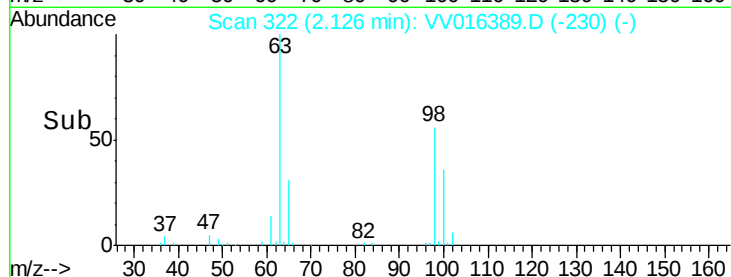
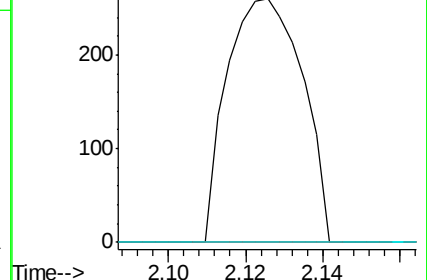
151 0.0 57.2 85.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

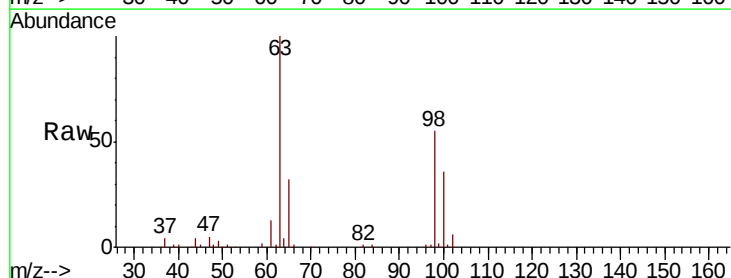
Tgt Ion: 96 Resp: 439

Ion Ratio Lower Upper

96 100

61 1200.3 125.4 233.0#

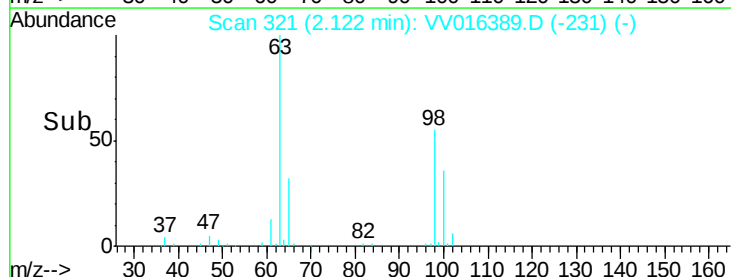
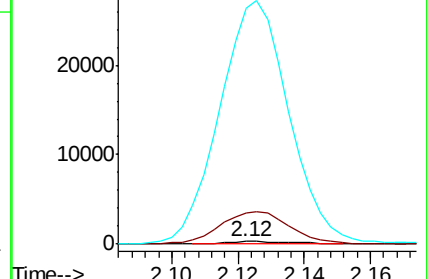
63 8919.3 88.2 163.8#

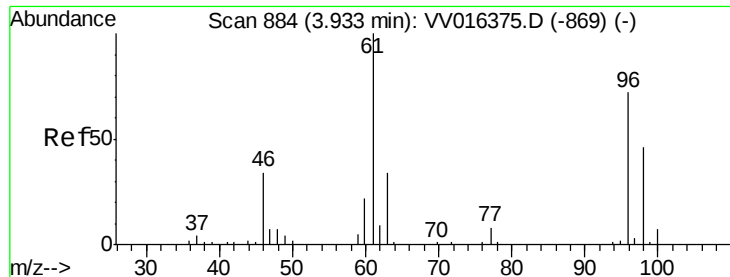


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



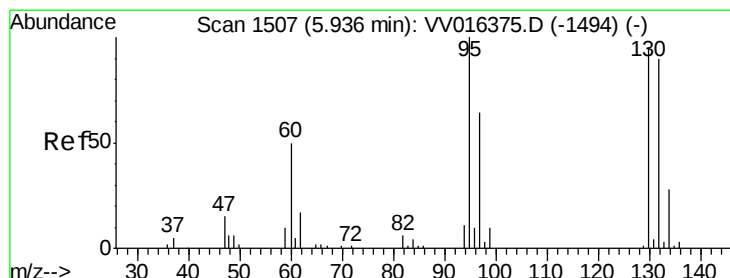
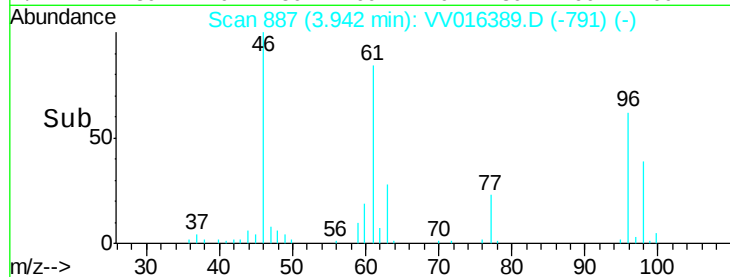
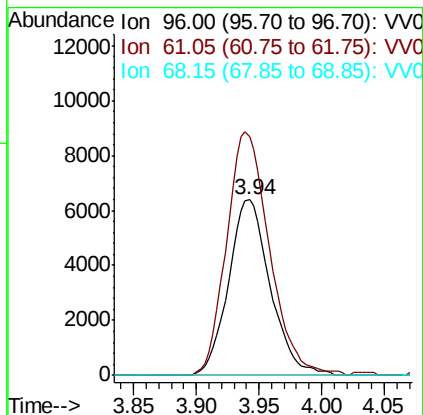
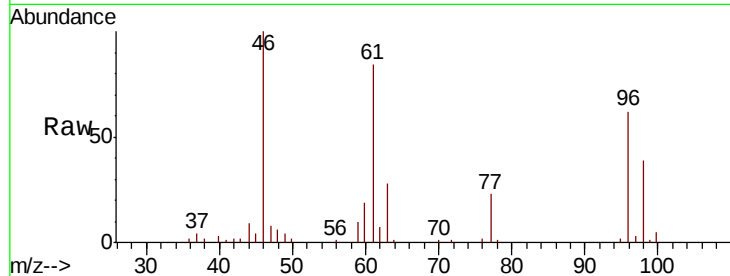


#22

cis-1,2-Dichloroethene
Concen: 2.778 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

Instrument :
MSVOA_V
ClientSampled :

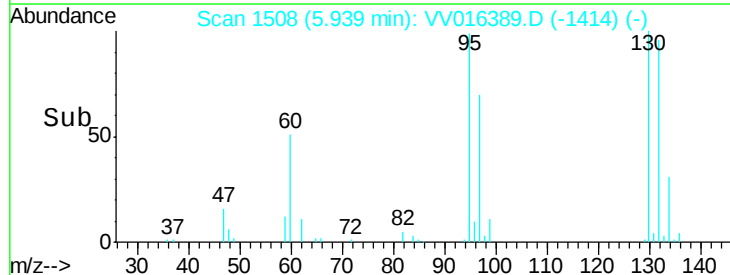
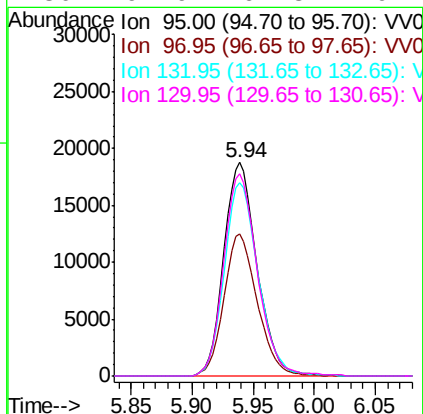
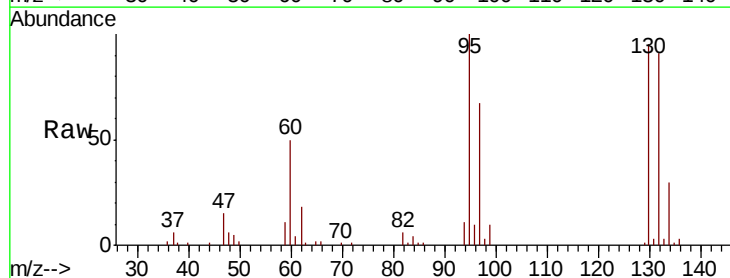
Tot Ion: 96 Resp: 14728
Ion Ratio Lower Upper
96 100
61 136.1 94.8 176.0
68 0.0 0.0 0.0

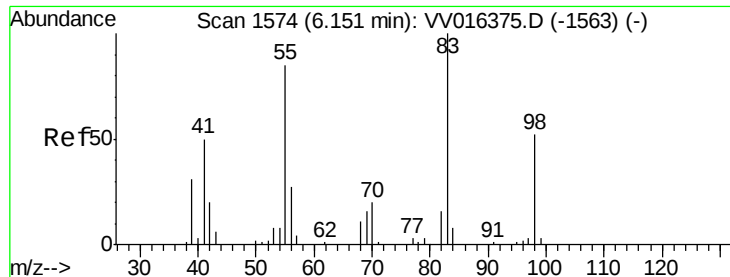


#34

Trichloroethene
Concen: 6.828 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

Tgt Ion: 95 Resp: 35889
Ion Ratio Lower Upper
95 100
97 66.6 42.6 79.0
132 90.8 59.6 110.8
130 94.9 64.8 120.4

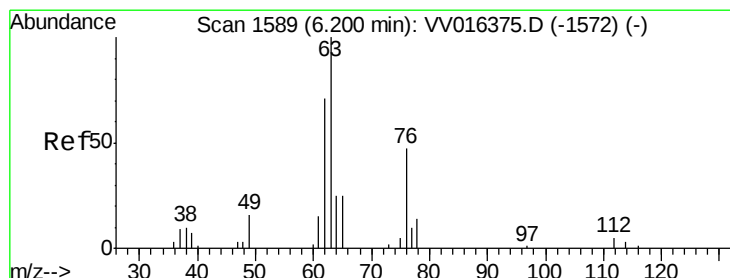
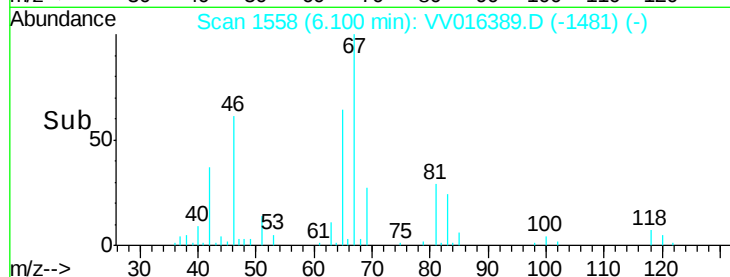
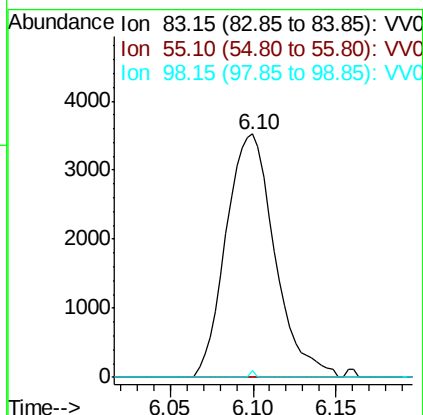
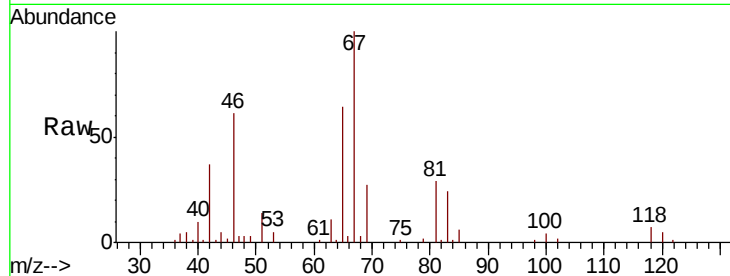




#35
Methvlcvclohexane
Concen: 0.849 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

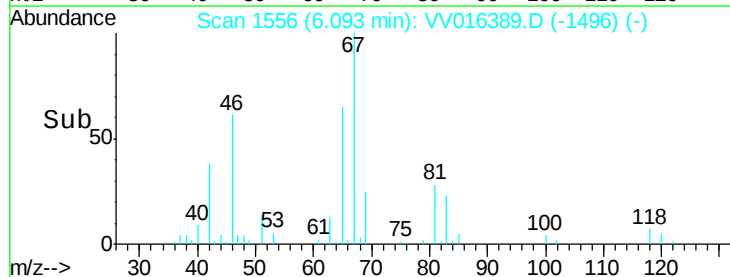
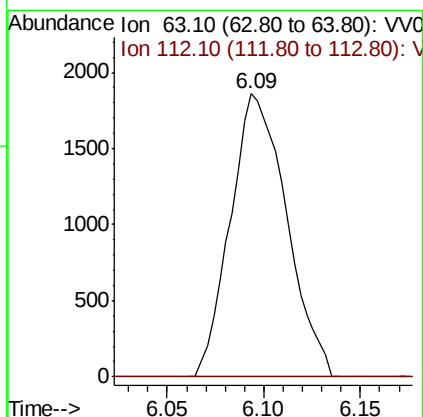
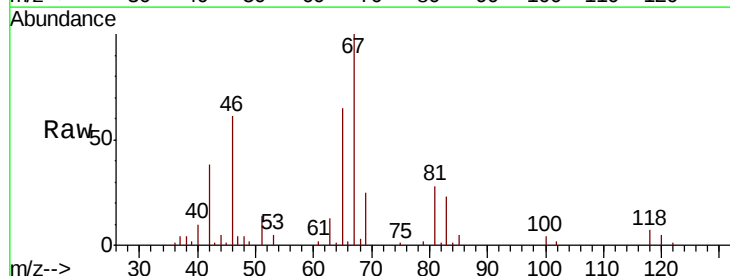
Instrument :
MSVOA_V
ClientSampleId :

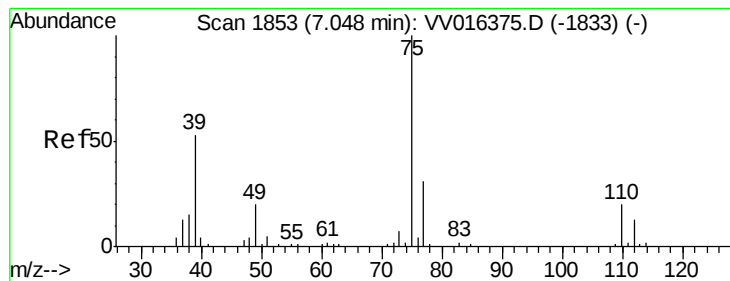
Tot Ion: 83 Resp: 7190
Ion Ratio Lower Upper
83 100
55 0.0 67.0 100.4#
98 0.0 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.740 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.11 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

Tgt Ion: 63 Resp: 3749
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



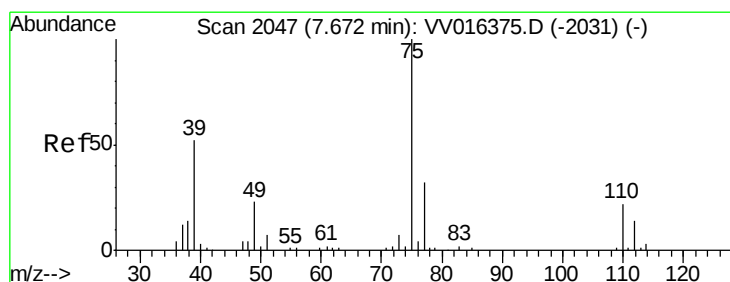
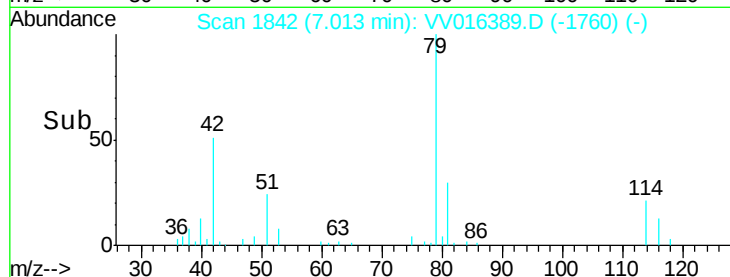
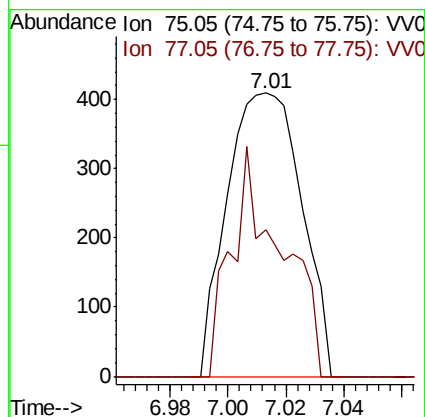
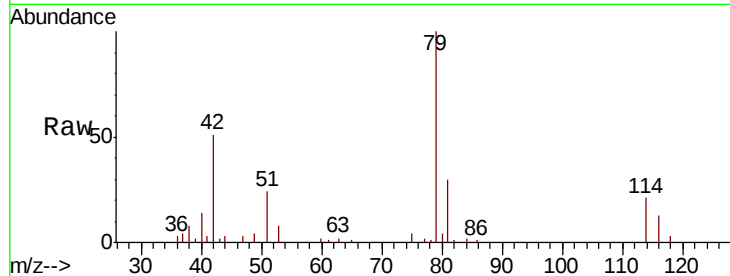


#39

cis-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

Instrument :
MSVOA_V
ClientSampled :

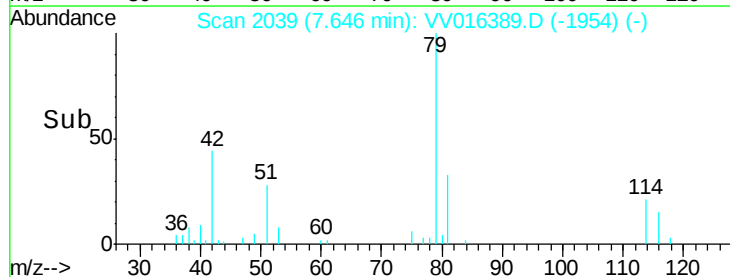
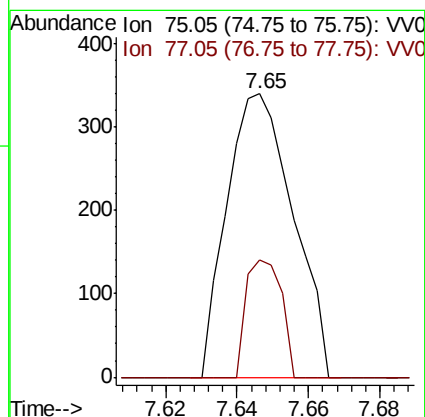
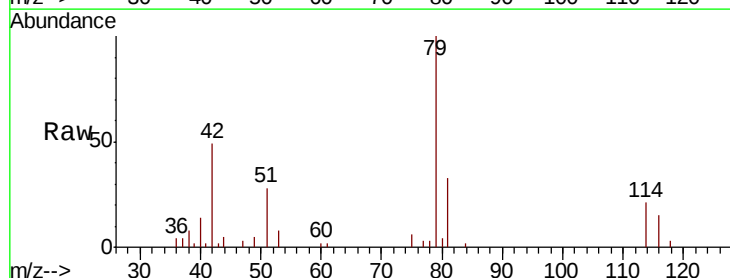
Tot Ion: 75 Resp: 731
Ion Ratio Lower Upper
75 100
77 51.8 22.0 41.0#

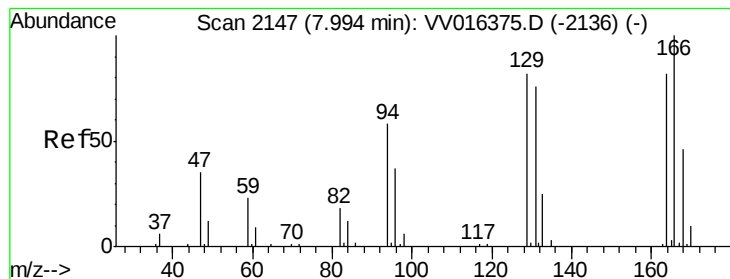


#46

trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
77 41.5 21.1 39.3#





#49

Tetrachloroethene

Concen: 0.624 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2404

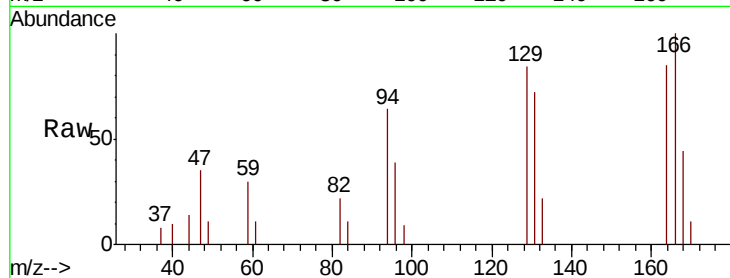
Ion Ratio Lower Upper

164 100

129 98.7 72.2 134.0

131 84.8 65.8 122.2

166 117.1 88.3 163.9

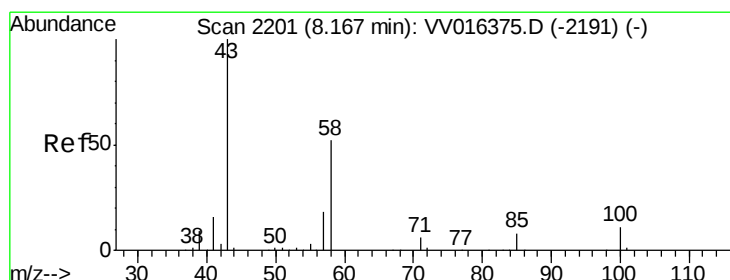
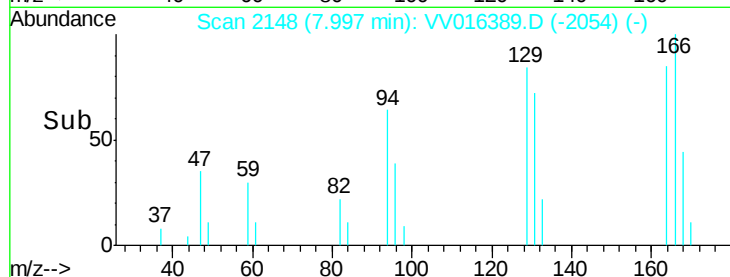
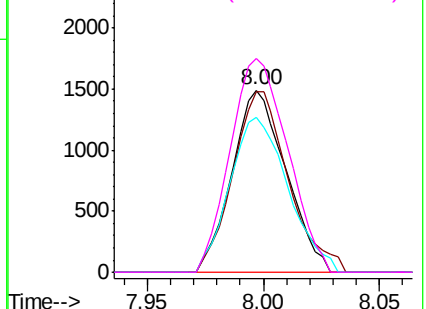


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 3.980 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

Tgt Ion: 43 Resp: 8498

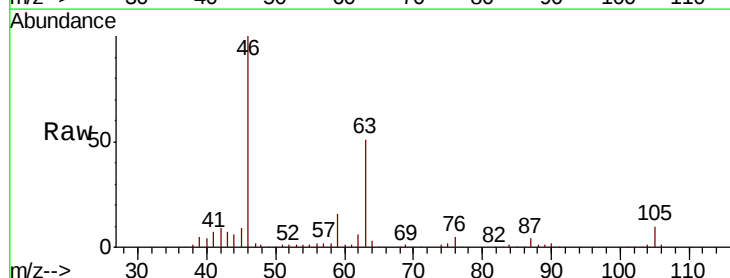
Ion Ratio Lower Upper

43 100

58 30.7 41.1 61.7#

57 21.6 14.2 21.4#

100 0.0 8.8 13.2#

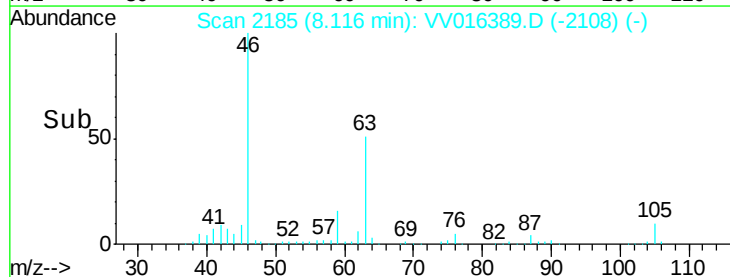
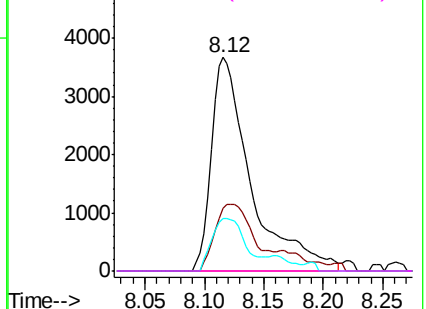


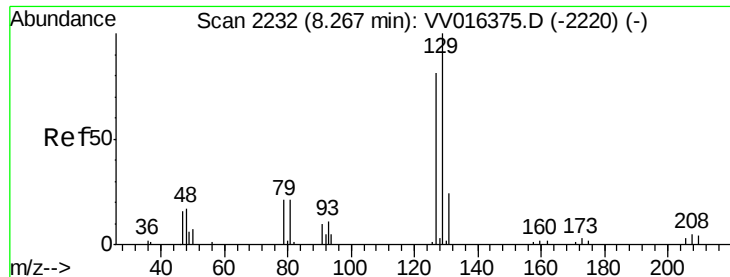
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

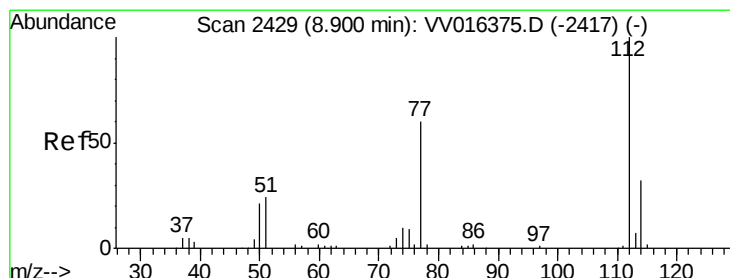
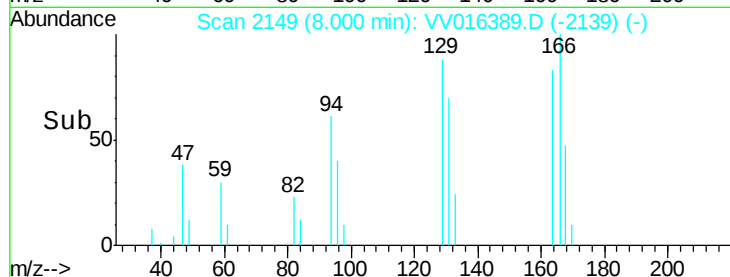
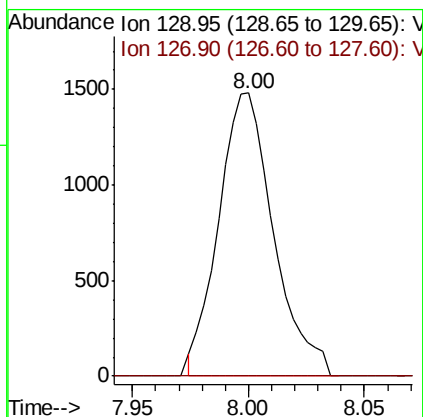
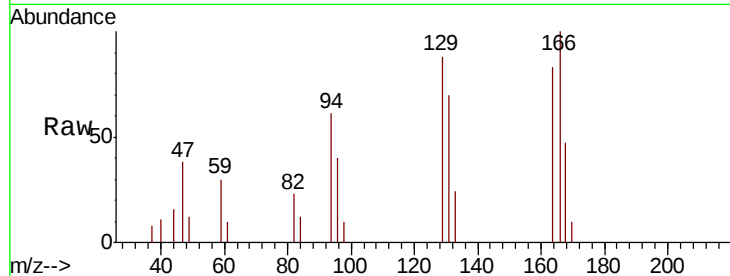




#51
Dibromochloromethane
Concen: 0.717 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

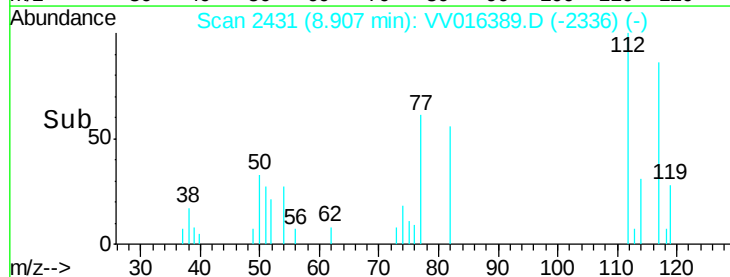
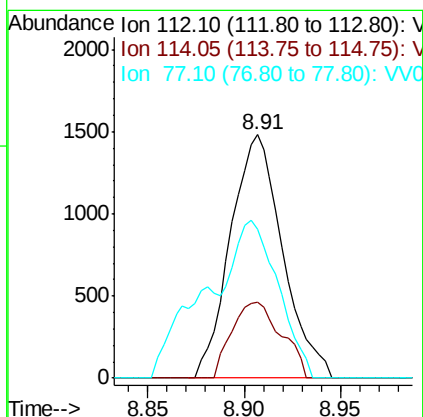
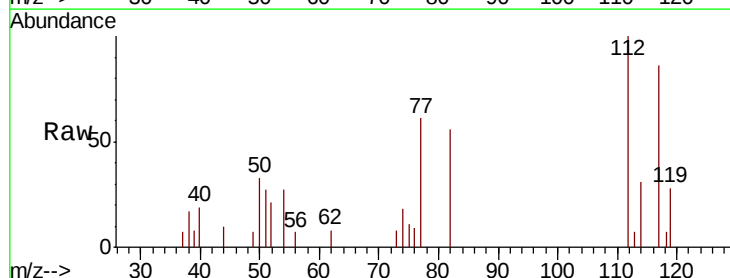
Instrument :
MSVOA_V
ClientSampled :

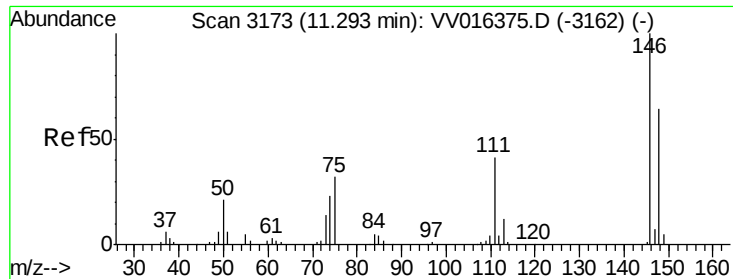
Tot Ion:129 Resp: 2430
Ion Ratio Lower Upper
129 100
127 0.0 57.0 105.8#



#53
Chlorobenzene
Concen: 0.208 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV016389.D
Acq: 31 May 2020 15:50

Tgt Ion:112 Resp: 2784
Ion Ratio Lower Upper
112 100
114 31.1 22.6 42.0
77 61.1 50.5 75.7





#64

1,4-Dichlorobenzene

Concen: 0.069 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.01 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

Instrument :

MSVOA_V

ClientSampleId :

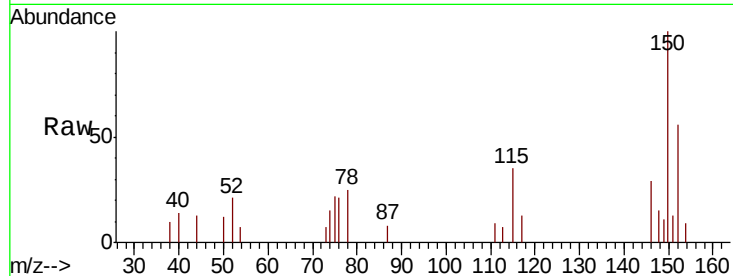
Tot Ion:146 Resp: 649

Ion Ratio Lower Upper

146 100

111 30.0 29.6 55.0

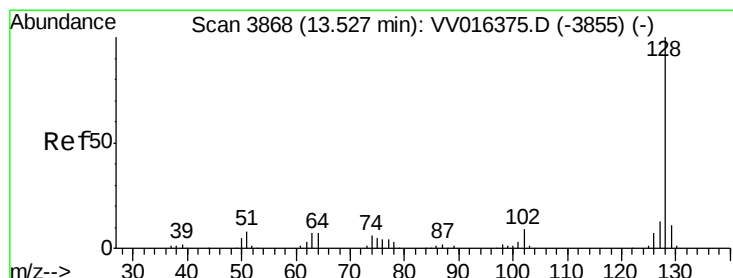
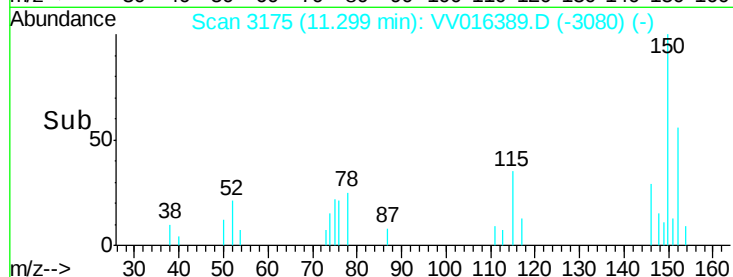
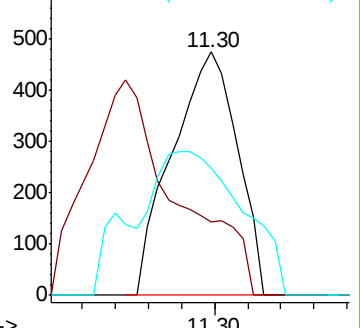
148 52.3 44.7 83.1



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



#70

Naphthalene

Concen: 0.299 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016389.D

Acq: 31 May 2020 15:50

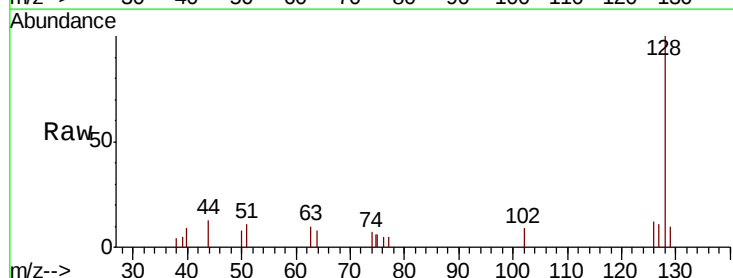
Tgt Ion:128 Resp: 4056

Ion Ratio Lower Upper

128 100

129 10.1 8.6 12.8

127 11.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

