

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015550.D
 Acq On : 17 Apr 2020 13:16
 Operator : SY/MD
 Sample : L2320-05DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:40:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	95470	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	89576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	44145	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23061	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	22423	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.12	63	36257	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	3.94	46	75132	54.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.04%
24) Chloroform-d	4.38	84	52568	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	30017	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.07	84	100926	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.09	67	31988	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.34	98	90219	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.65	79	12703	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.11	63	58125	44.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20359	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	34246	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	2029	0.215 ug/L	99
9) Trichlorofluoromethane	1.76	101	15071	1.359 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	621	0.099 ug/L #	67
12) 1,1-Dichloroethene	2.13	96	1631	0.272 ug/L #	1
16) Methylene chloride	2.52	84	1995	0.284 ug/L	93
17) Methyl tert-butyl Ether	2.79	73	2752	0.172 ug/L #	93
19) 1,1-Dichloroethane	3.21	63	1051	0.083 ug/L #	87
22) cis-1,2-Dichloroethene	3.94	96	7155	1.020 ug/L	95
25) Chloroform	4.40	83	2652	0.204 ug/L	87
34) Trichloroethene	5.94	95	71225	9.870 ug/L	98
35) Methylcyclohexane	6.09	83	7937	0.653 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	4034	0.607 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1071	0.105 ug/L #	70
44) trans-1,3-Dichloropropene	7.65	75	544	0.063 ug/L #	66
45) 1,1,2-Trichloroethane	7.99	97	521	0.117 ug/L #	1
47) Tetrachloroethene	8.00	164	49052	9.175 ug/L	98
49) Dibromochloromethane	8.00	129	48103	8.984 ug/L #	10

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Quant Time: Apr 18 00:40:19 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration

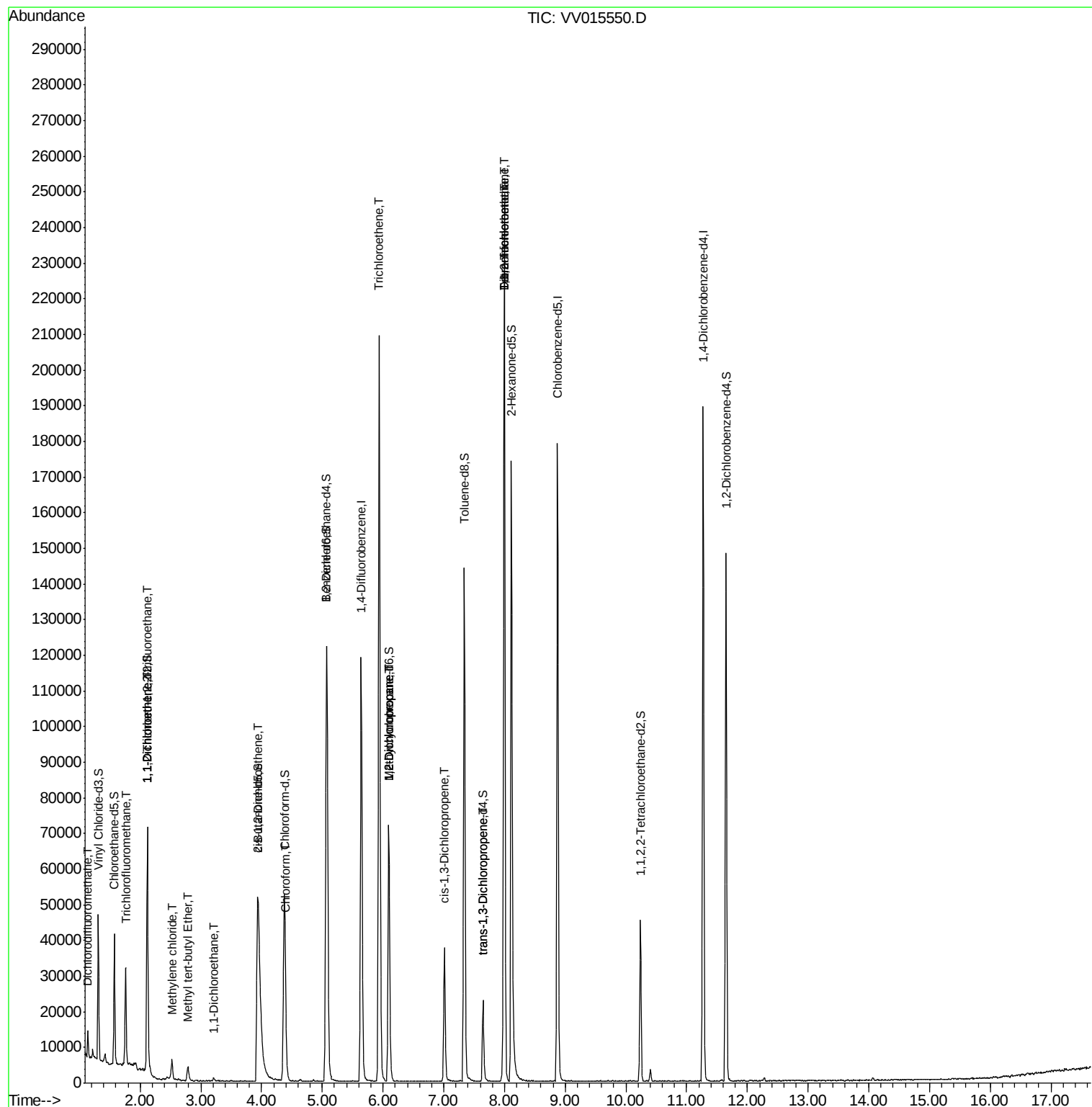
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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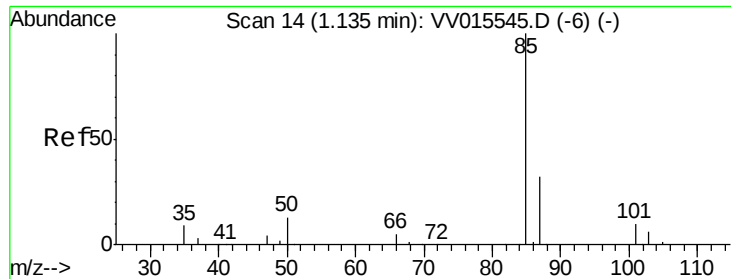
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.215 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

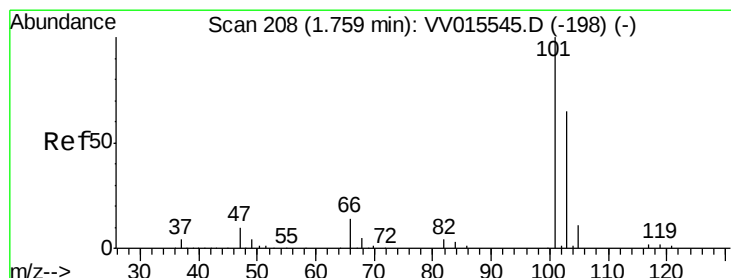
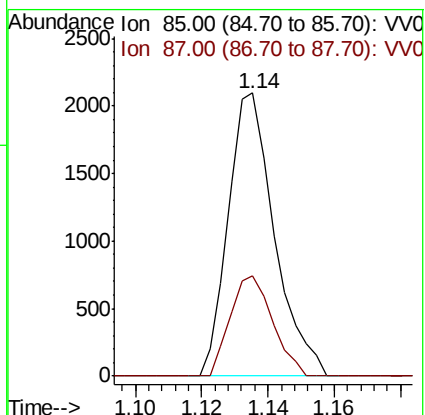
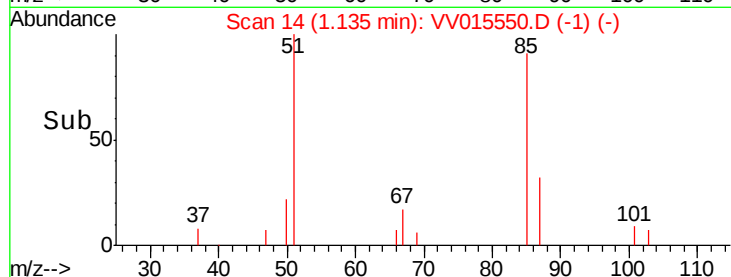
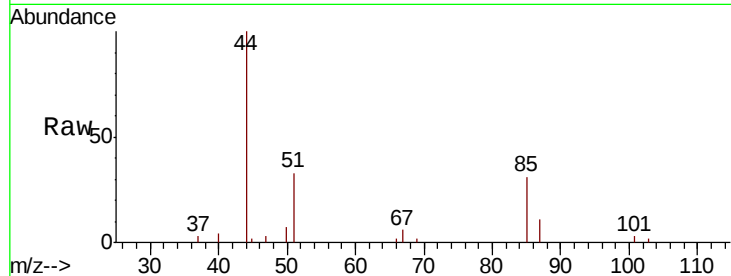
ClientSampleId :

Tot Ion: 85 Resp: 2029

Ion Ratio Lower Upper

85 100

87 32.3 25.3 37.9



#9

Trichlorofluoromethane

Concen: 1.359 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015550.D

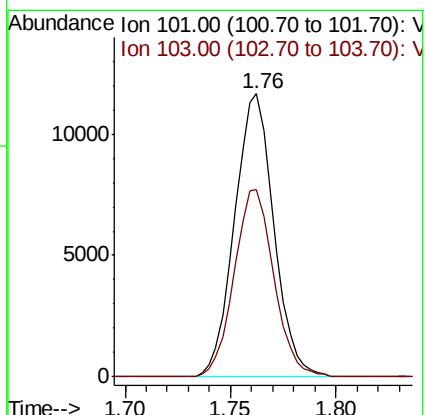
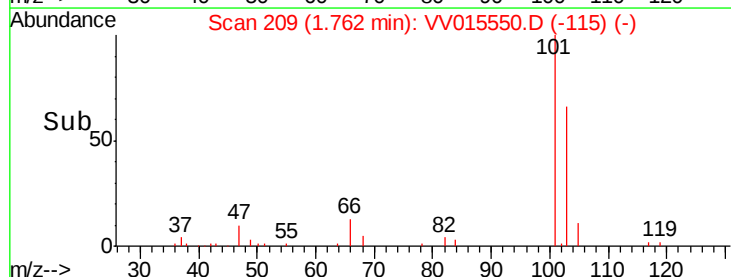
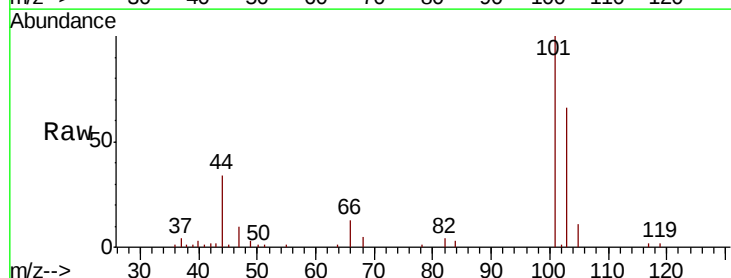
Acq: 17 Apr 2020 13:16

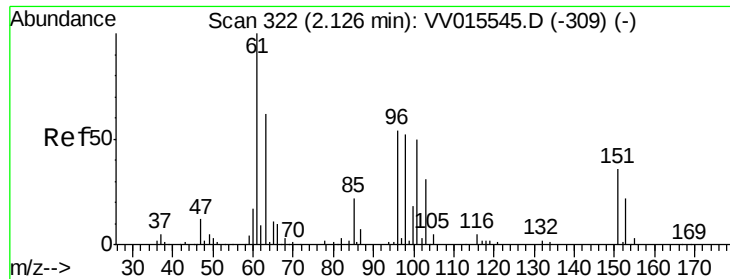
Tgt Ion:101 Resp: 15071

Ion Ratio Lower Upper

101 100

103 66.9 51.9 77.9





#10

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

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

ClientSampled :

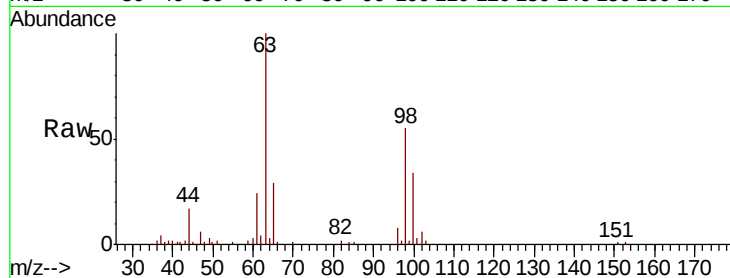
Tot Ion:101 Resp: 621

Ion Ratio Lower Upper

101 100

85 26.4 36.3 54.5#

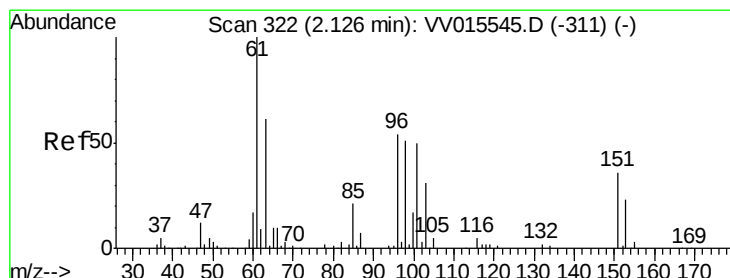
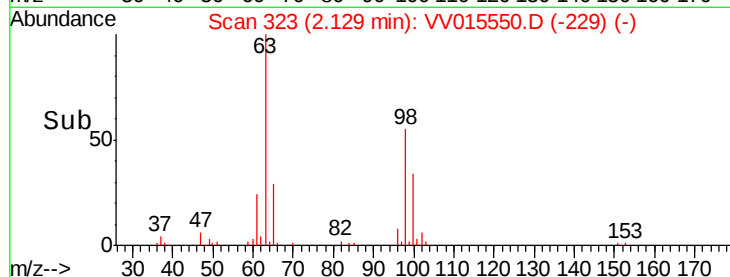
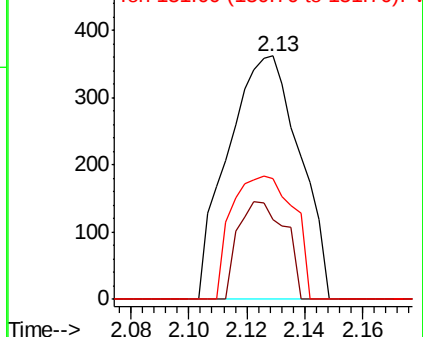
151 43.5 58.2 87.4#



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: 0.272 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

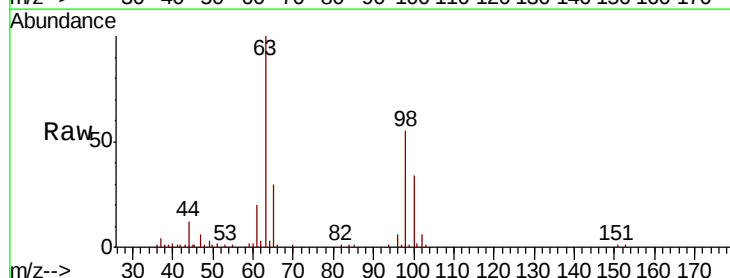
Tgt Ion: 96 Resp: 1631

Ion Ratio Lower Upper

96 100

61 339.0 127.7 237.1#

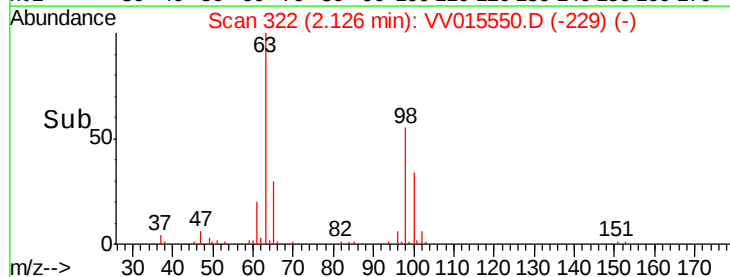
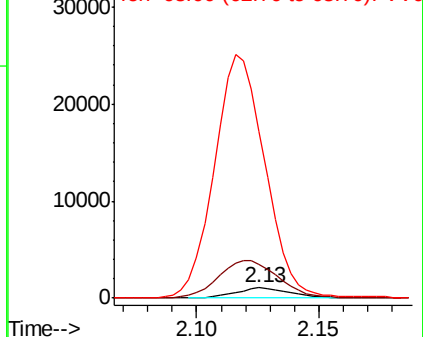
63 1662.5 75.1 139.5#

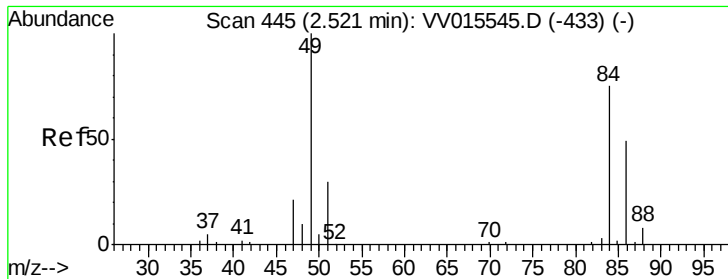


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

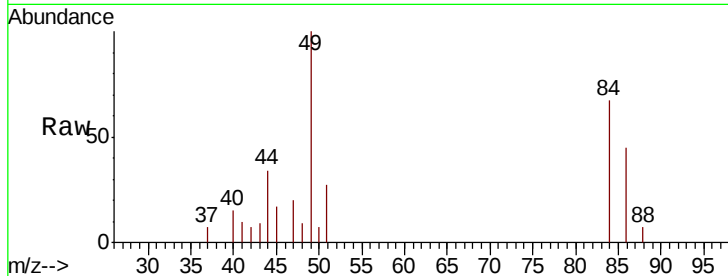




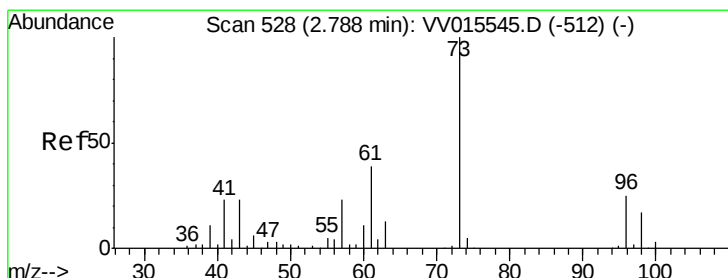
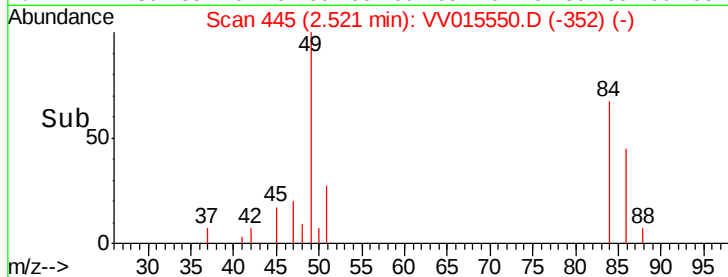
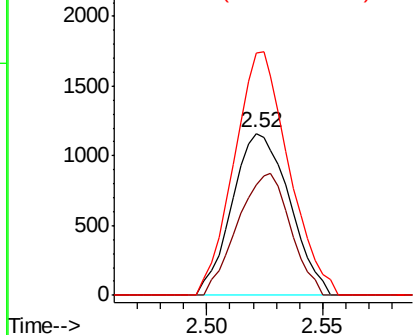
#16
Methylene chloride
Concen: 0.284 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 1995
Ion Ratio Lower Upper
84 100
86 67.9 45.1 83.7
49 149.8 97.9 181.7

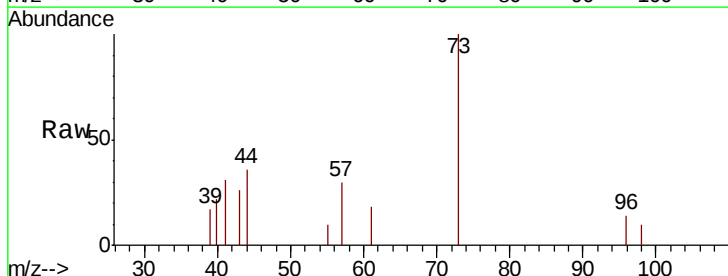


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

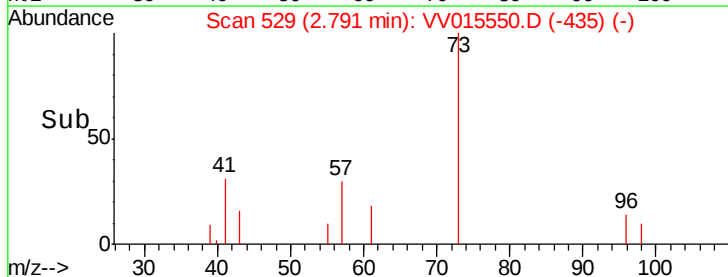
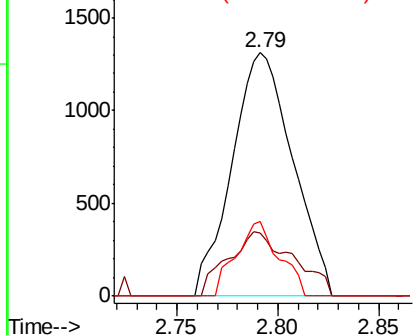


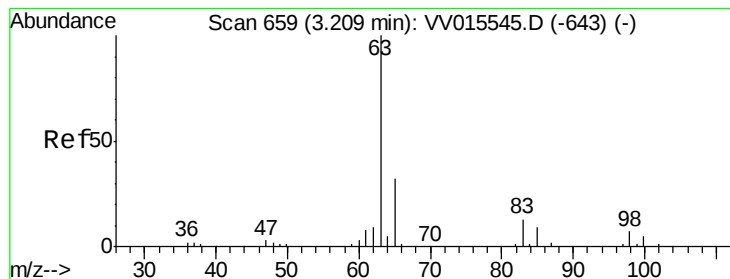
#17
Methyl tert-butyl Ether
Concen: 0.172 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 73 Resp: 2752
Ion Ratio Lower Upper
73 100
43 28.2 18.3 27.5#
57 21.8 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0





#19

1,1-Dichloroethane

Concen: 0.083 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

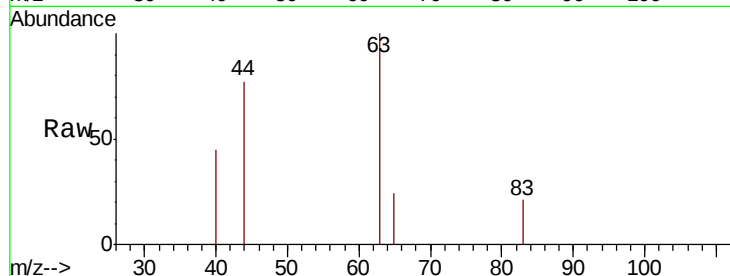
Tot Ion: 63 Resp: 1051

Ion Ratio Lower Upper

63 100

65 24.4 21.3 39.6

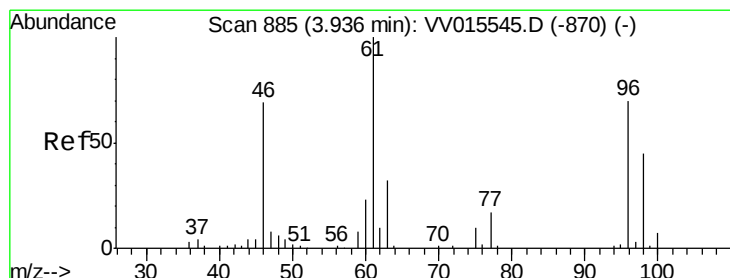
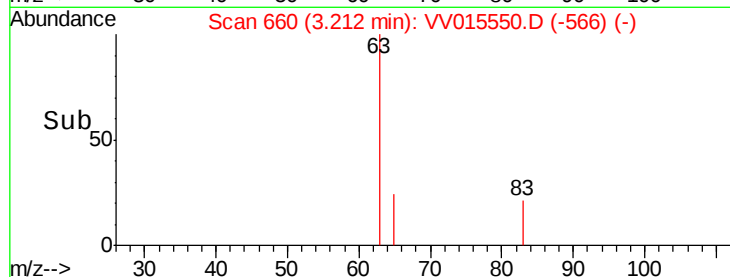
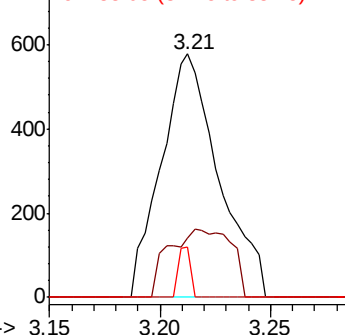
83 20.8 9.4 17.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 1.020 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

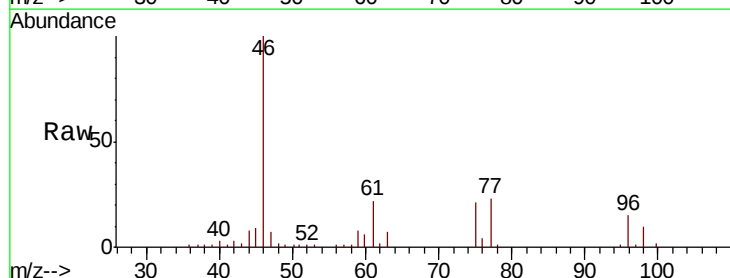
Tgt Ion: 96 Resp: 7155

Ion Ratio Lower Upper

96 100

61 148.5 100.0 185.8

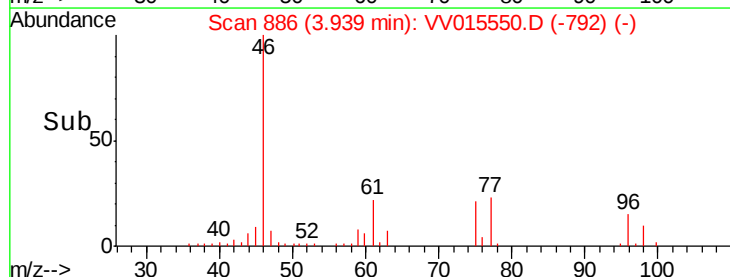
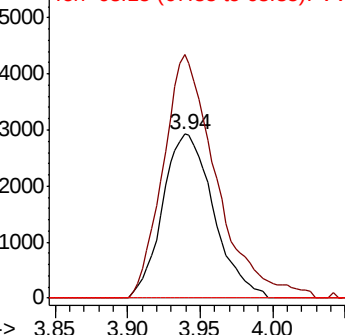
68 0.0 0.0 0.0

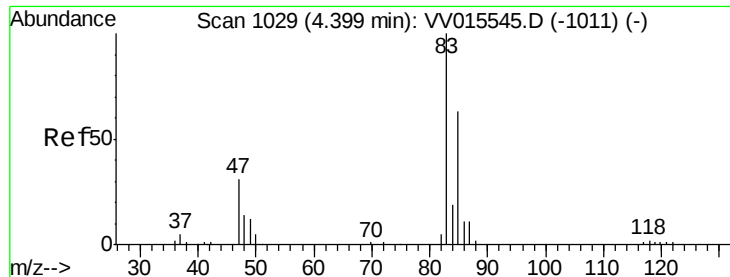


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

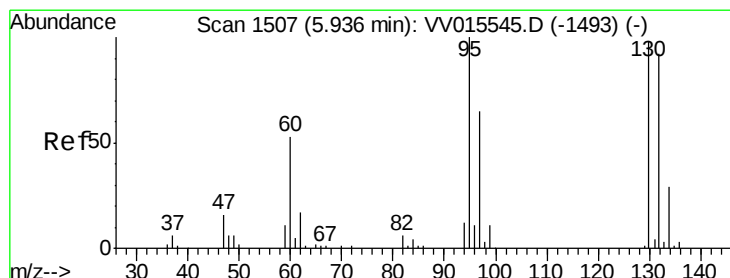
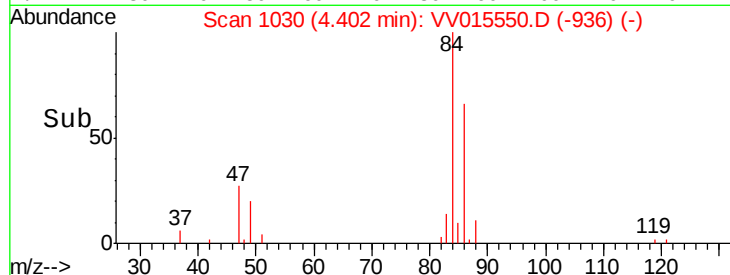
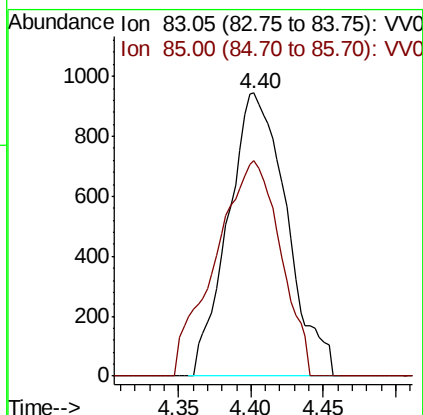
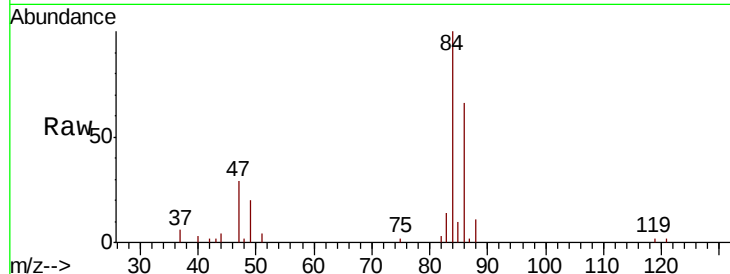




#25
Chloroform
Concen: 0.204 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

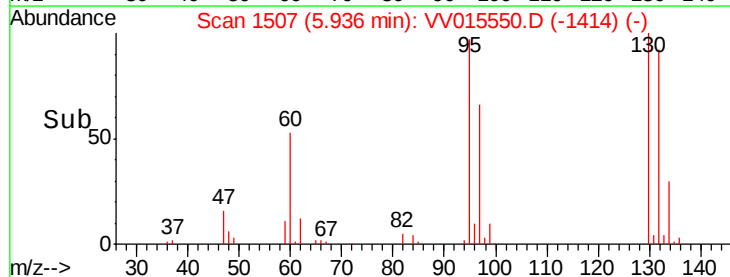
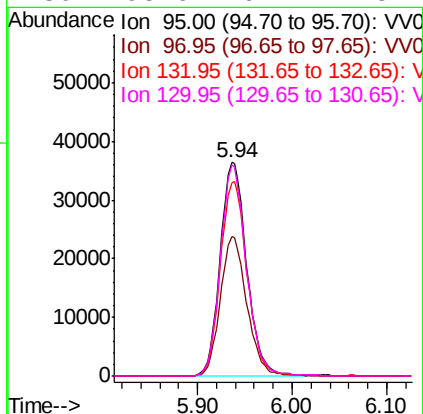
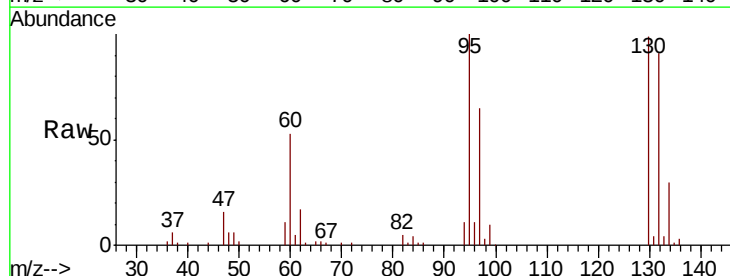
Instrument :
MSVOA_V
ClientSampled :

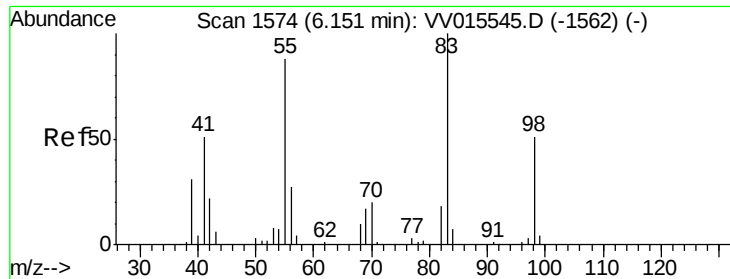
Tot Ion: 83 Resp: 2652
Ion Ratio Lower Upper
83 100
85 76.3 45.9 85.3



#34
Trichloroethene
Concen: 9.870 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 95 Resp: 71225
Ion Ratio Lower Upper
95 100
97 65.1 45.4 84.4
132 90.6 64.8 120.4
130 98.6 67.4 125.2

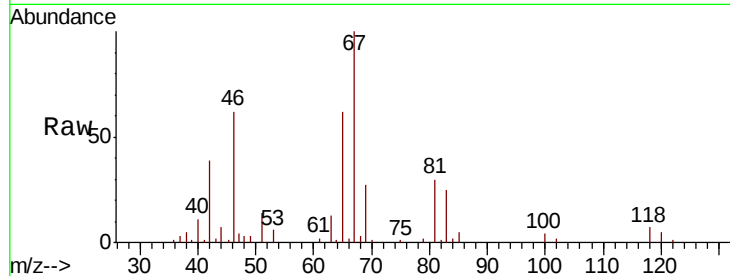




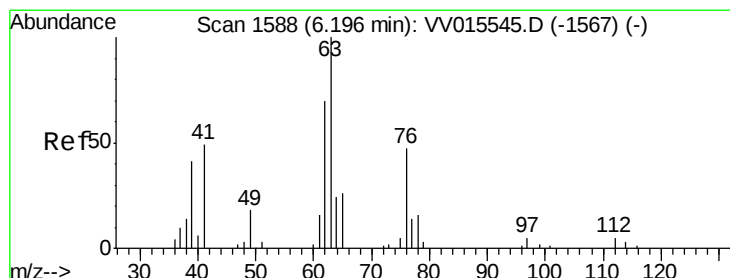
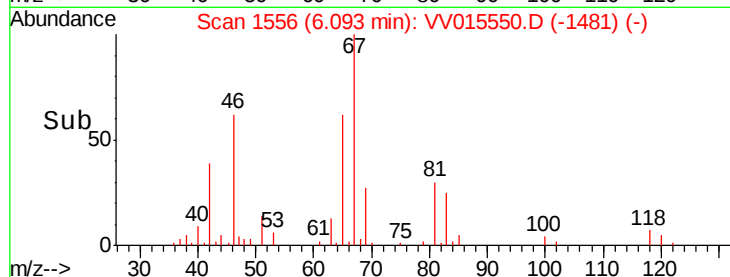
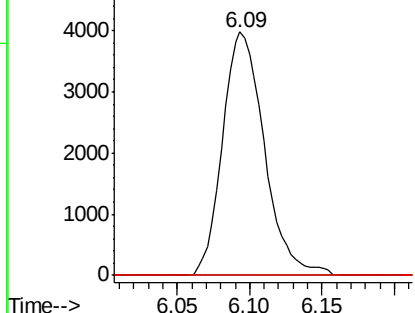
#35
Methvlcvclohexane
Concen: 0.653 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 7937
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 2.2 38.7 58.1#

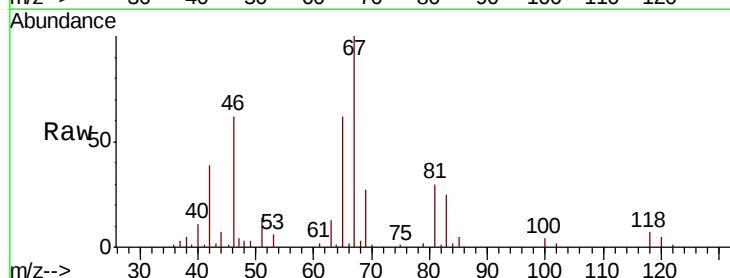


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

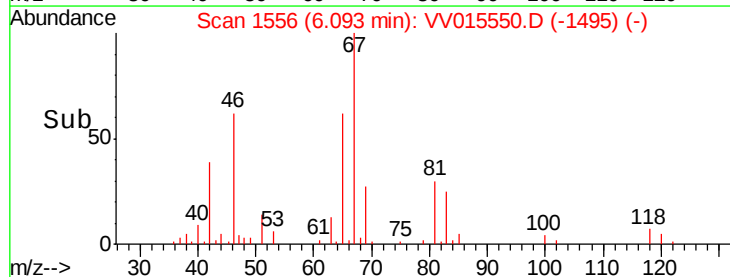
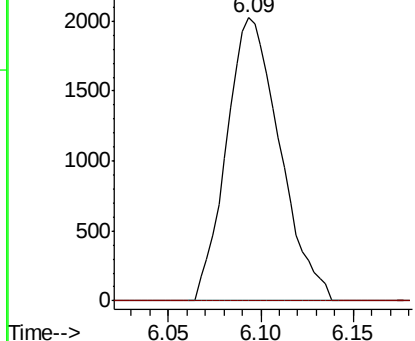


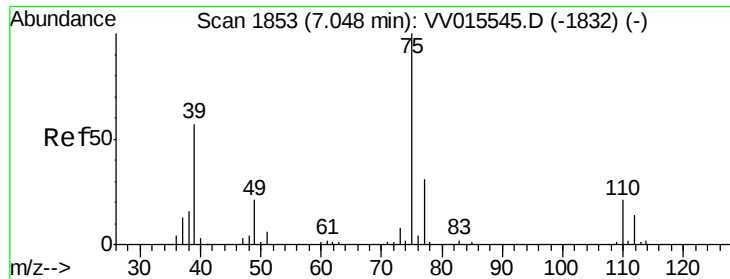
#37
1,2-Dichloropropane
Concen: 0.607 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015550.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 63 Resp: 4034
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

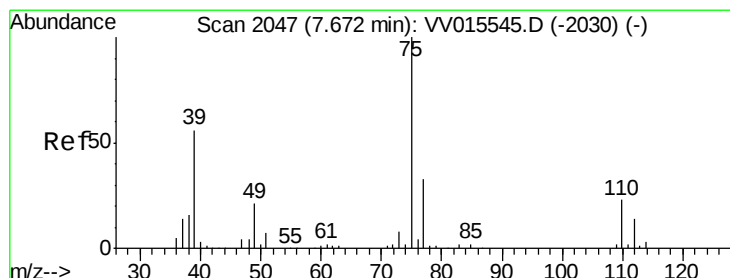
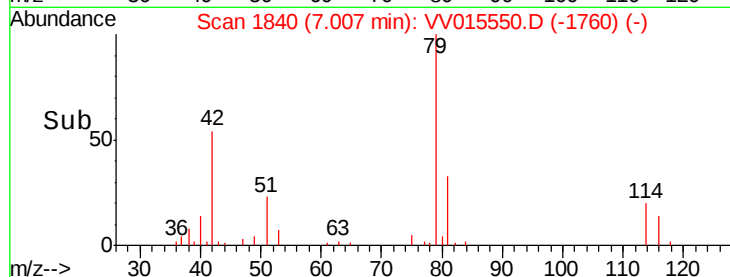
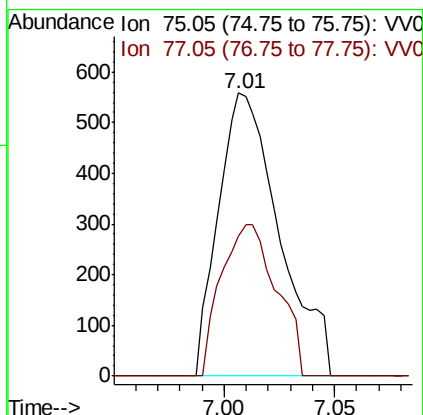
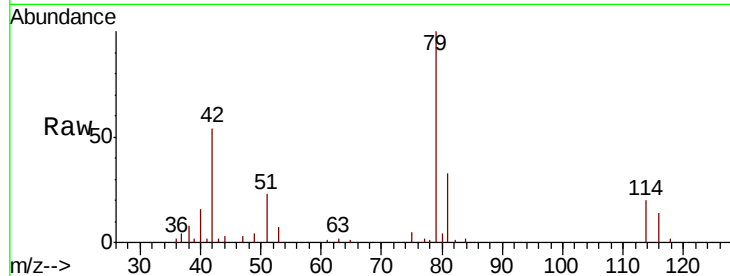




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015550.D
 Acq: 17 Apr 2020 13:16

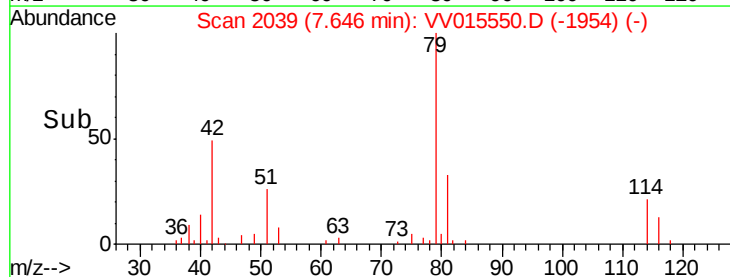
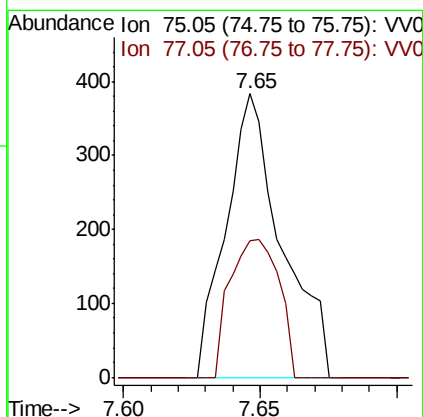
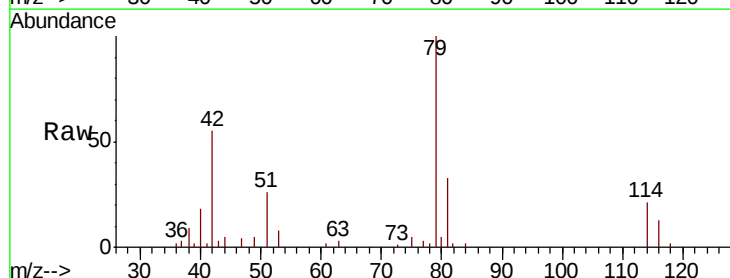
Instrument :
 MSVOA_V
 ClientSampleId :

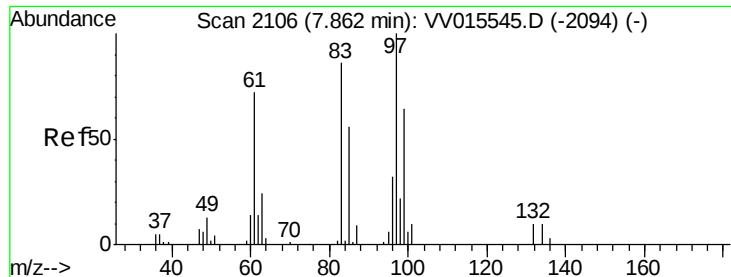
Tot Ion: 75 Resp: 1071
 Ion Ratio Lower Upper
 75 100
 77 49.6 23.0 42.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.063 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015550.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 75 Resp: 544
 Ion Ratio Lower Upper
 75 100
 77 48.3 21.0 39.0#





#45

1,1,2-Trichloroethane

Concen: 0.117 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 521

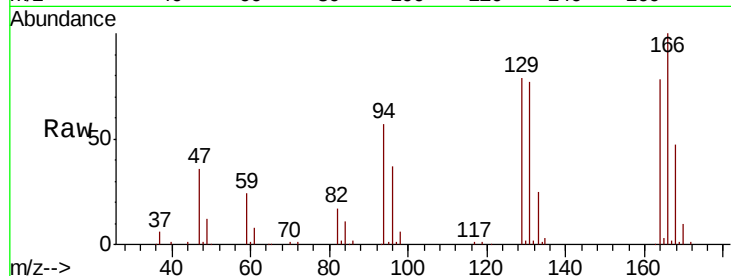
Ion Ratio Lower Upper

97 100

99 0.0 41.3 76.7#

83 287.4 60.5 112.3#

85 52.3 36.8 68.4

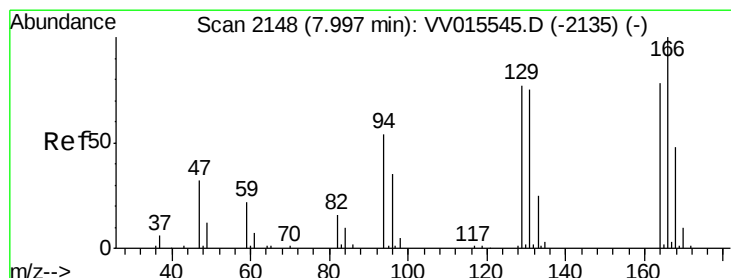
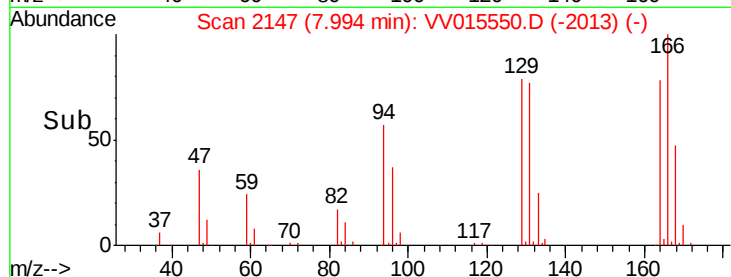
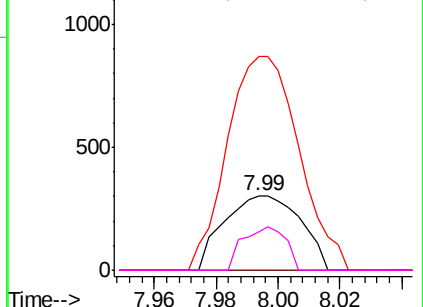


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 9.175 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

Tgt Ion:164 Resp: 49052

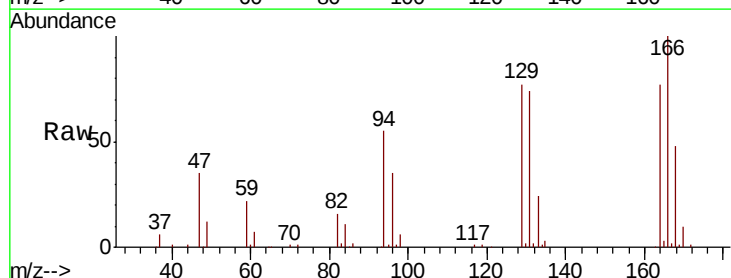
Ion Ratio Lower Upper

164 100

129 100.1 70.6 131.0

131 96.9 68.3 126.8

166 130.3 88.3 163.9

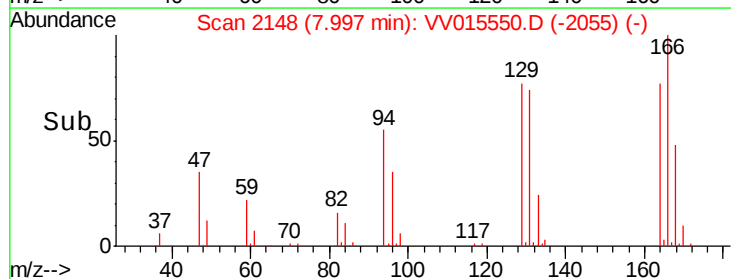
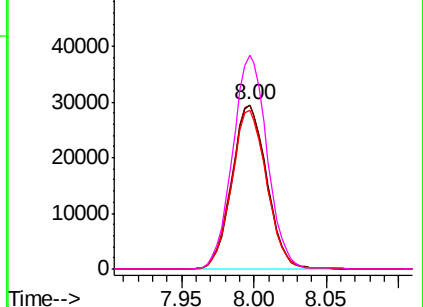


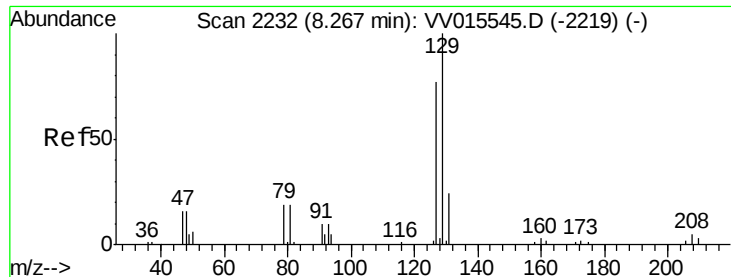
Abundance Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 8.984 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015550.D

Acq: 17 Apr 2020 13:16

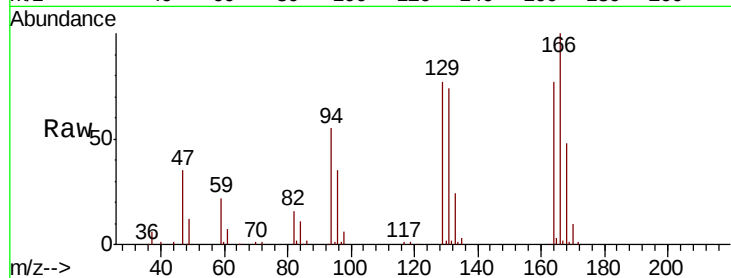
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 48103

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

