

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016060.D
 Acq On : 14 May 2020 11:05
 Operator : SY/MD
 Sample : L2598-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	167661	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	163670	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75728	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42771	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	42072	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.12	63	78442	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.95	46	119968	46.24	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.48%
24) Chloroform-d	4.37	84	84503	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.06	65	49645	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.07	84	173469	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.09	67	55698	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.33	98	152543	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
45) trans-1,3-Dichloropropene-	7.64	79	18584	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
48) 2-Hexanone-d5	8.11	63	91727	44.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.50%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38611	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	55044	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2420	0.251	ug/L #	79
12) 1,1-Dichloroethene	2.13	96	24247	2.628	ug/L	84
16) Methylene chloride	2.52	84	2717	0.246	ug/L	97
19) 1,1-Dichloroethane	3.21	63	1079	0.055	ug/L #	87
22) cis-1,2-Dichloroethene	3.94	96	1896	0.178	ug/L	97
25) Chloroform	4.40	83	12480	0.577	ug/L	93
29) 1,1,1-Trichloroethane	4.63	97	7757	0.430	ug/L	96
34) Trichloroethene	5.94	95	5827	0.496	ug/L	96
35) Methylcyclohexane	6.09	83	14529	0.817	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	6785	0.649	ug/L #	87
39) cis-1,3-Dichloropropene	7.00	75	1503	0.102	ug/L #	63
46) trans-1,3-Dichloropropene	7.64	75	985	0.079	ug/L #	67
49) Tetrachloroethene	7.99	164	48754	5.945	ug/L	99
50) 2-Hexanone	8.12	43	14471	3.138	ug/L #	78
51) Dibromochloromethane	7.99	129	46406	5.911	ug/L #	9

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration

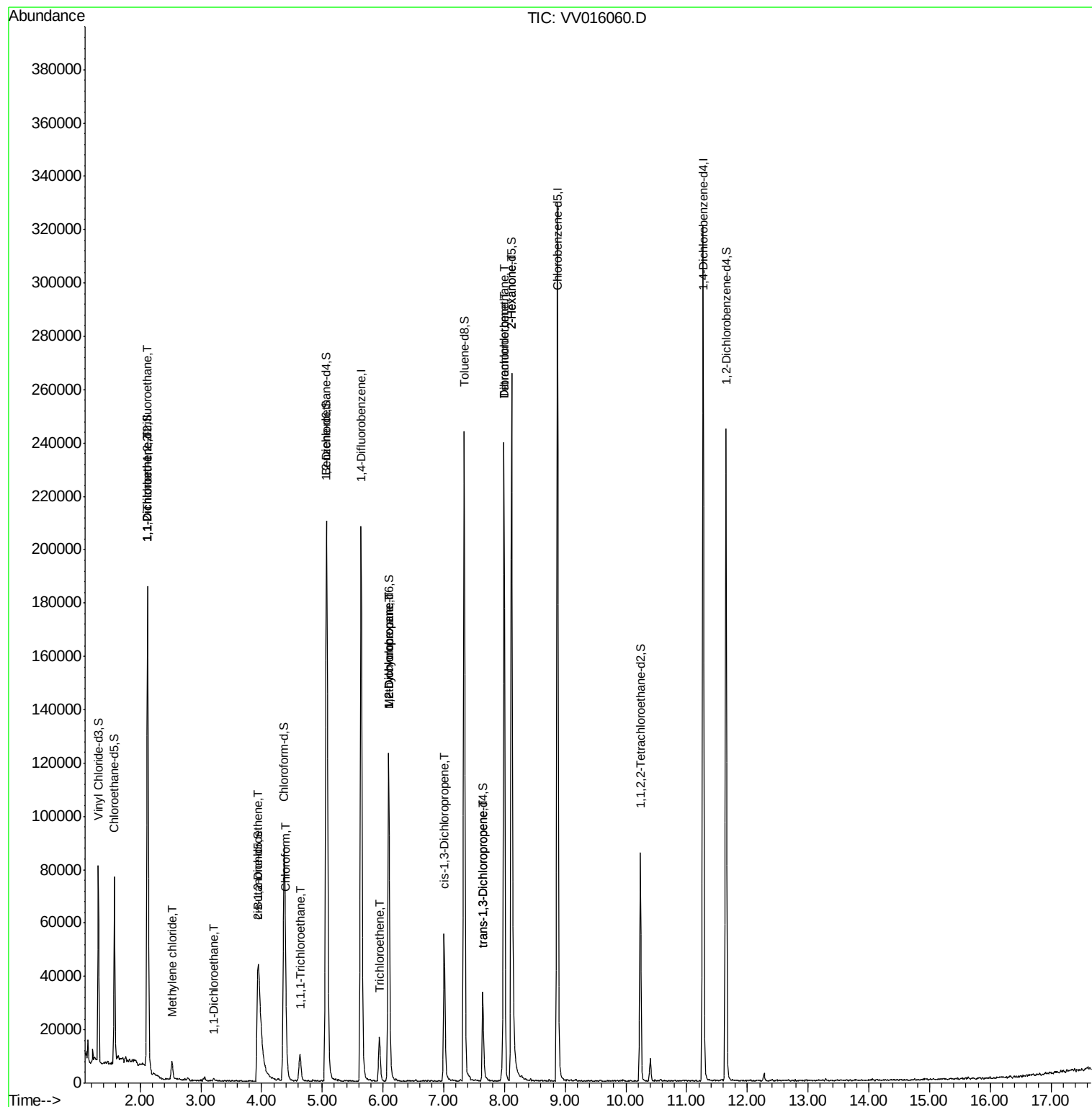
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

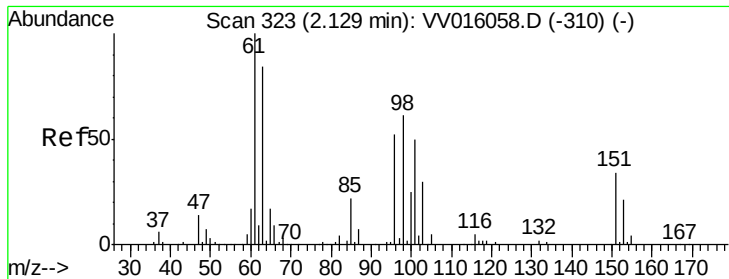
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration





#10

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

Concen: 0.251 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016060.D

Acq: 14 May 2020 11:05

Instrument :

MSVOA_V

ClientSampleId :

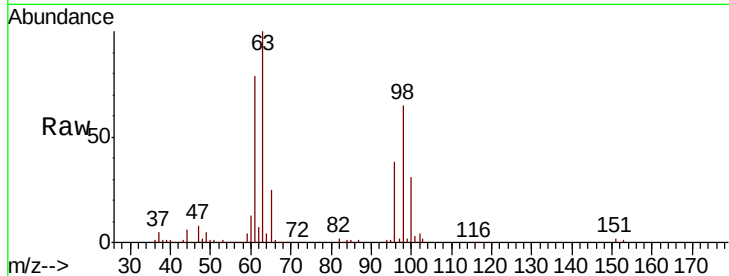
Tot Ion:101 Resp: 2420

Ion Ratio Lower Upper

101 100

85 37.7 35.7 53.5

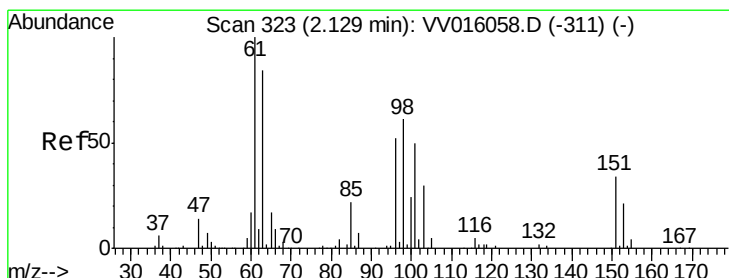
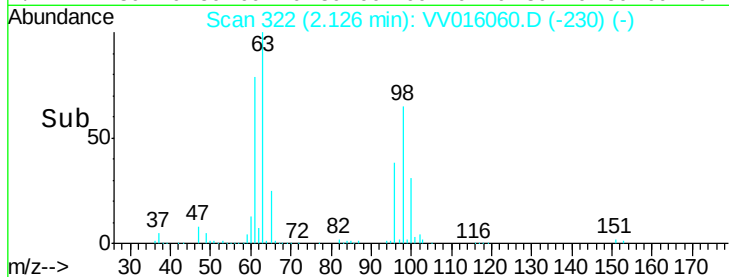
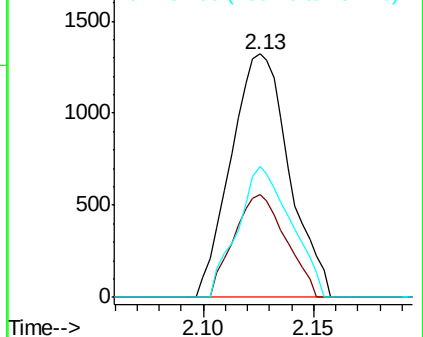
151 49.0 58.0 87.0#



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: 2.628 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016060.D

Acq: 14 May 2020 11:05

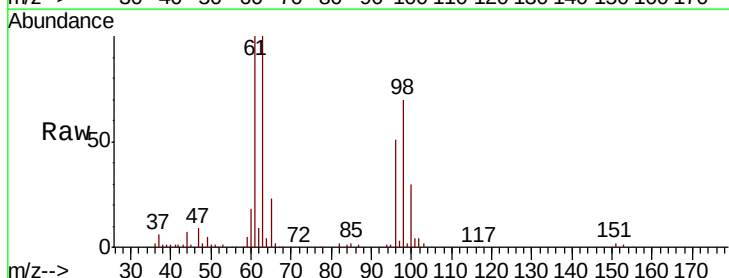
Tgt Ion: 96 Resp: 24247

Ion Ratio Lower Upper

96 100

61 197.1 139.9 259.7

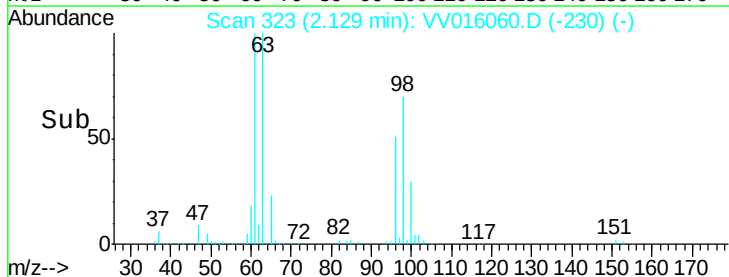
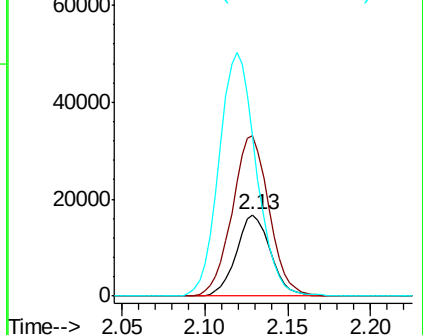
63 197.0 106.4 197.6

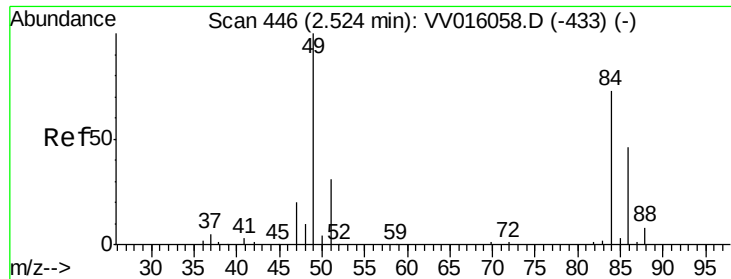


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

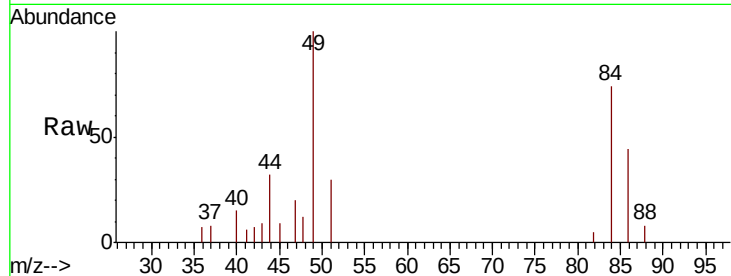




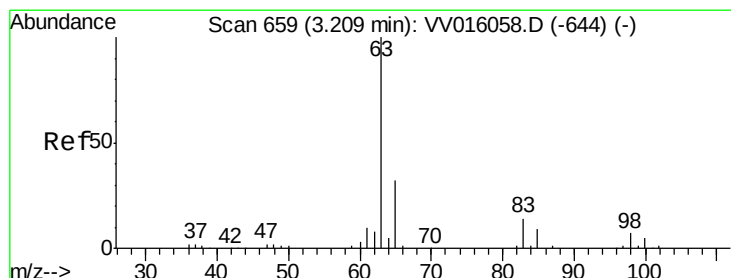
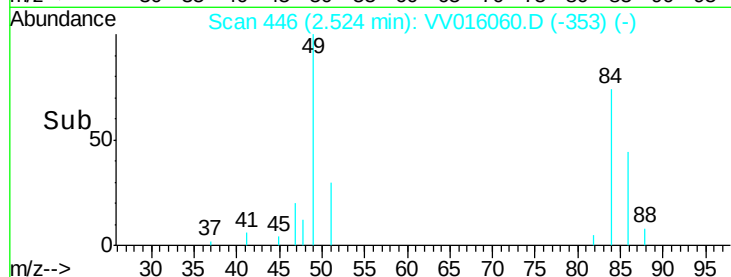
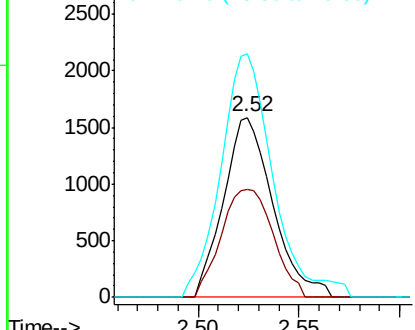
#16
Methylene chloride
Concen: 0.246 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 2717
Ion Ratio Lower Upper
84 100
86 60.1 45.6 84.8
49 135.1 93.6 173.8

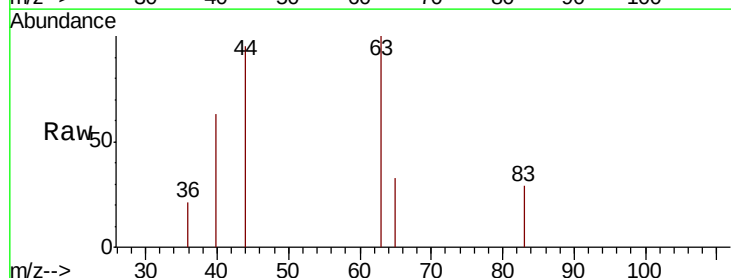


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

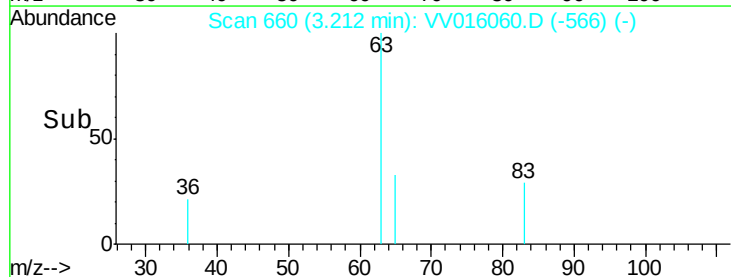
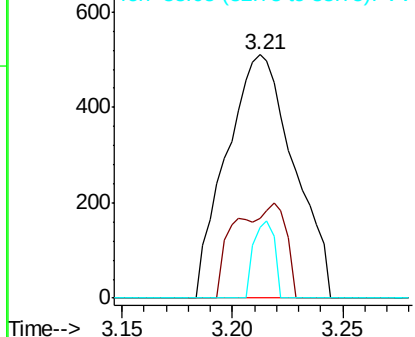


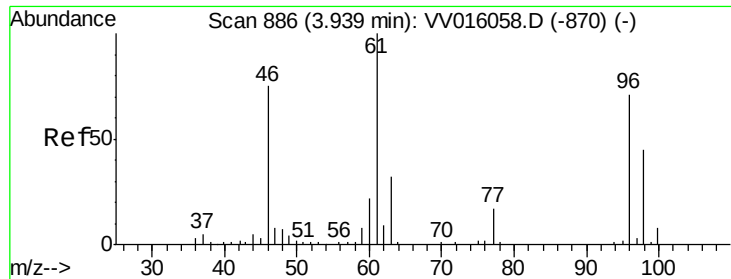
#19
1,1-Dichloroethane
Concen: 0.055 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Tgt Ion: 63 Resp: 1079
Ion Ratio Lower Upper
63 100
65 32.7 22.0 41.0
83 29.2 9.8 18.2#



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: 0.178 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016060.D

Acq: 14 May 2020 11:05

Instrument :
MSVOA_V
ClientSampled :

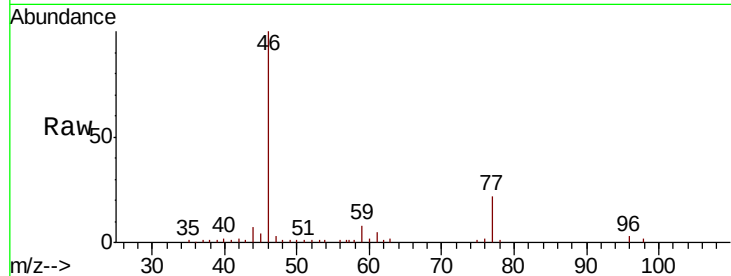
Tot Ion: 96 Resp: 1896

Ion Ratio Lower Upper

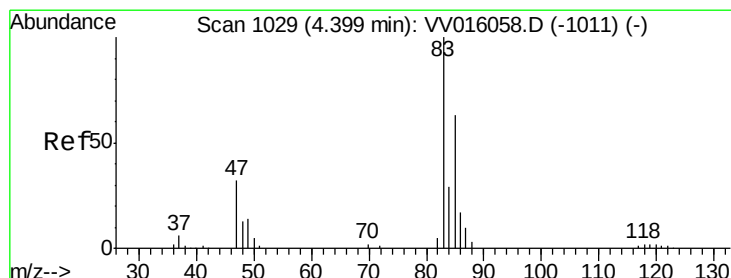
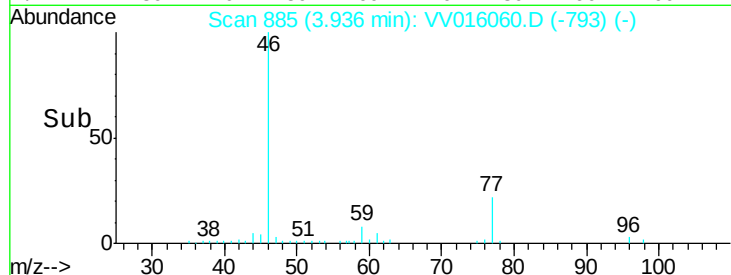
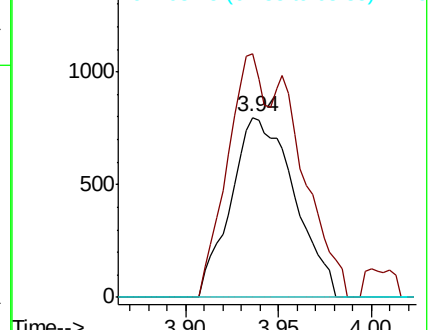
96 100

61 135.5 97.2 180.6

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: 0.577 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016060.D

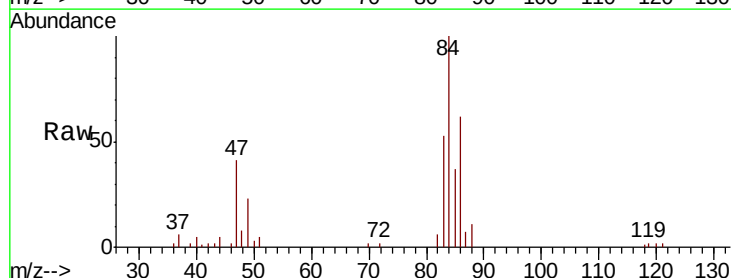
Acq: 14 May 2020 11:05

Tgt Ion: 83 Resp: 12480

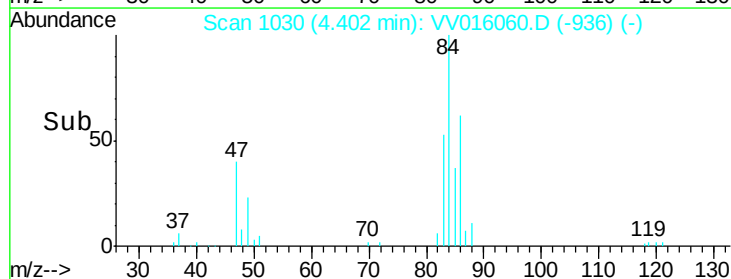
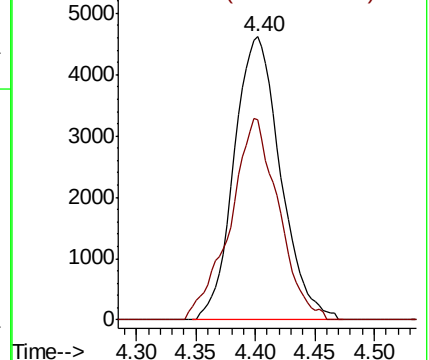
Ion Ratio Lower Upper

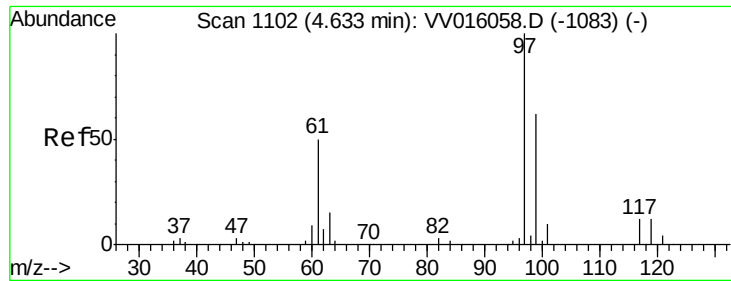
83 100

85 70.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

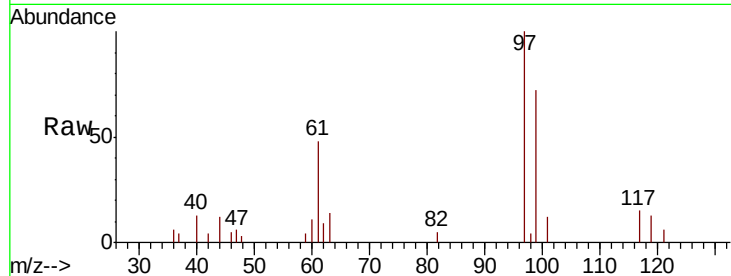




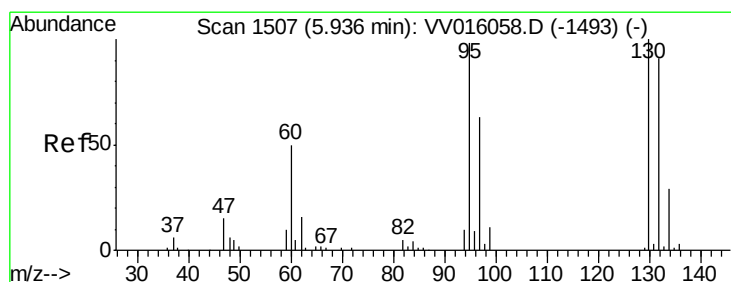
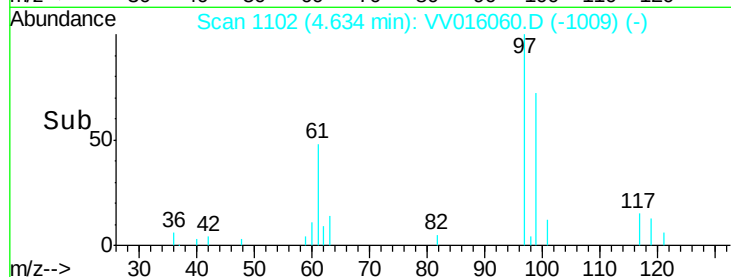
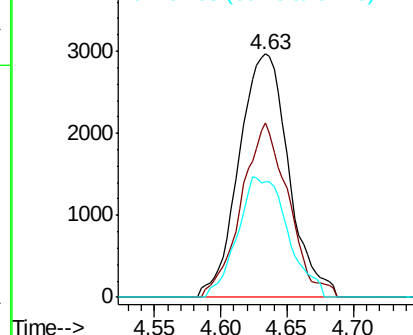
#29
1,1,1-Trichloroethane
Concen: 0.430 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 7757
Ion Ratio Lower Upper
97 100
99 67.9 50.7 76.1
61 49.9 38.8 58.2

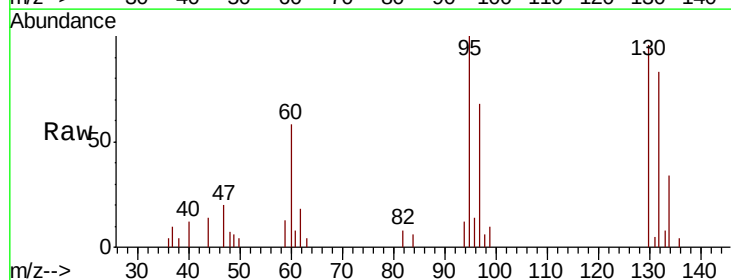


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

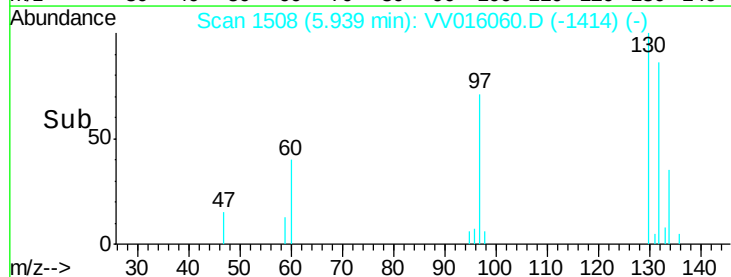
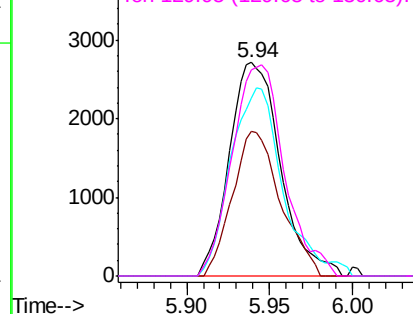


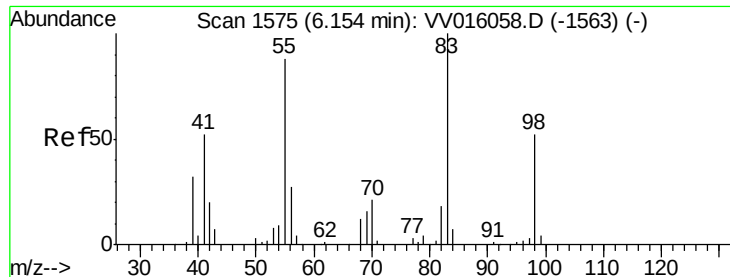
#34
Trichloroethene
Concen: 0.496 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Tgt Ion: 95 Resp: 5827
Ion Ratio Lower Upper
95 100
97 68.0 43.3 80.5
132 83.1 60.3 112.1
130 96.5 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

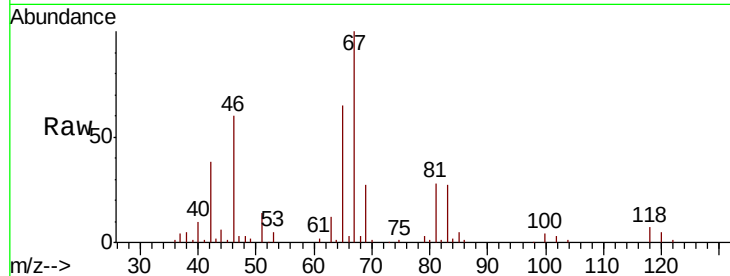




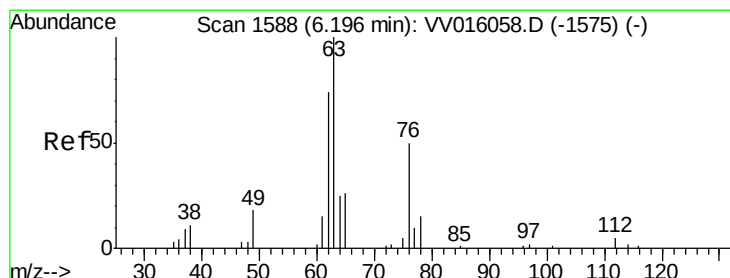
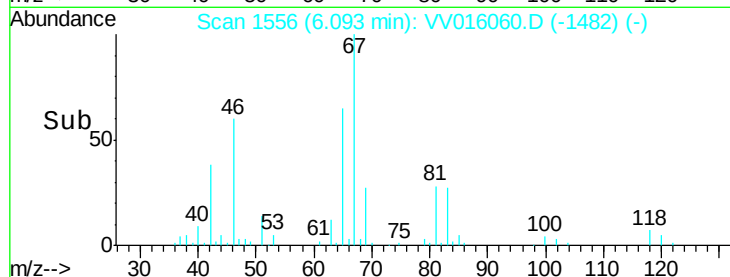
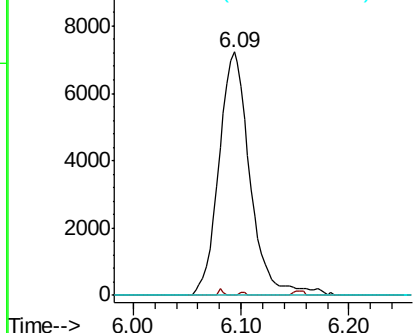
#35
Methvlcvclohexane
Concen: 0.817 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 14529
Ion Ratio Lower Upper
83 100
55 0.3 66.2 99.2#
98 0.0 37.9 56.9#

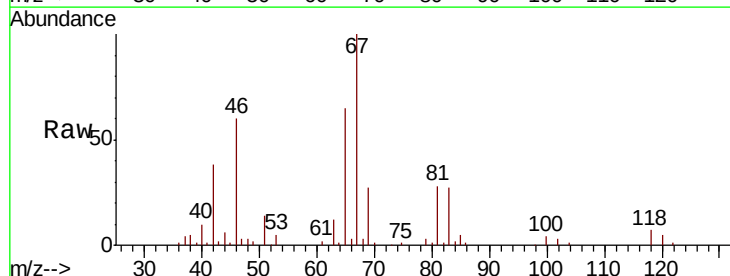


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

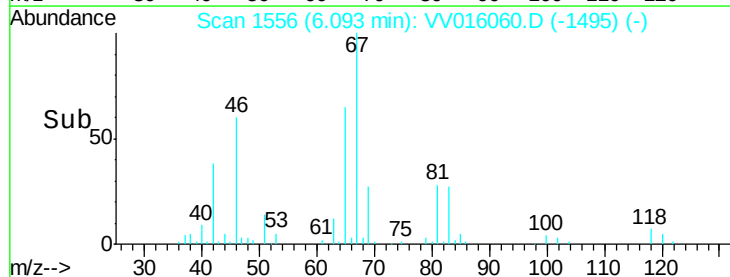
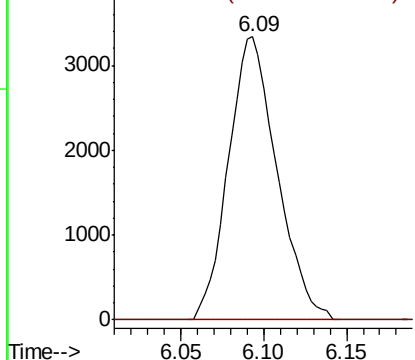


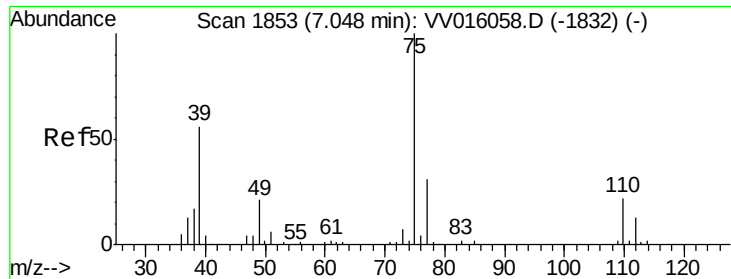
#37
1,2-Dichloropropane
Concen: 0.649 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Tgt Ion: 63 Resp: 6785
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

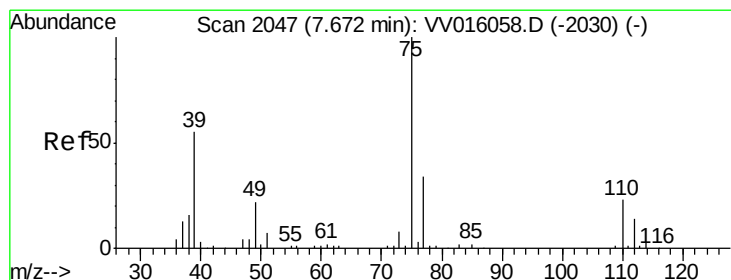
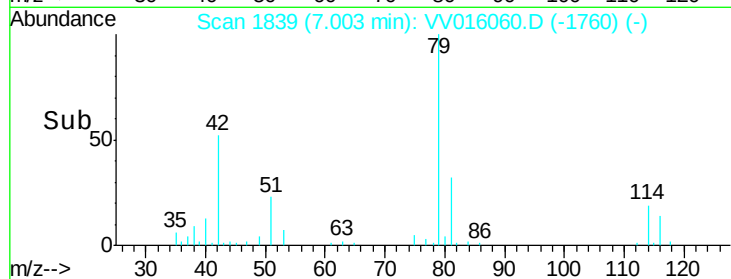
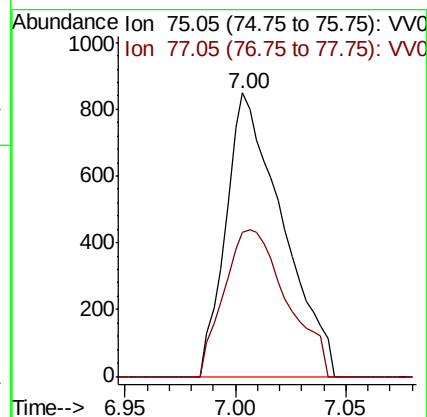
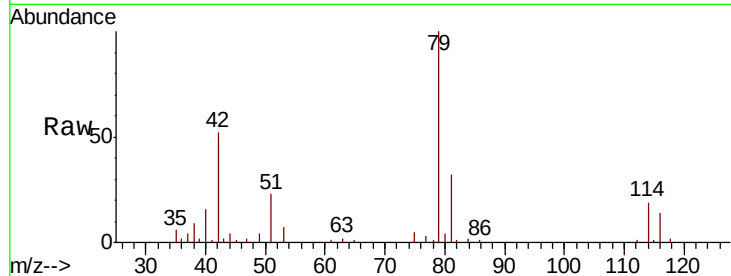




#39
cis-1,3-Dichloropropene
Concen: 0.102 ug/L
RT: 7.00 min Scan# 1839
Delta R.T. -0.04 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

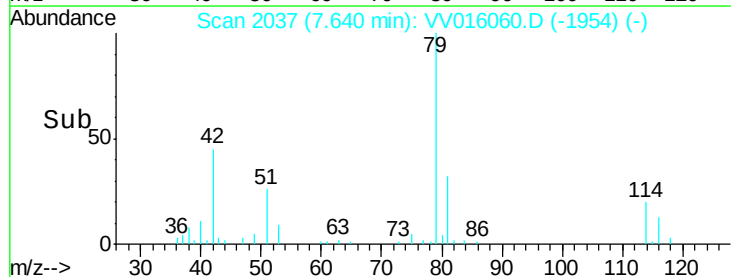
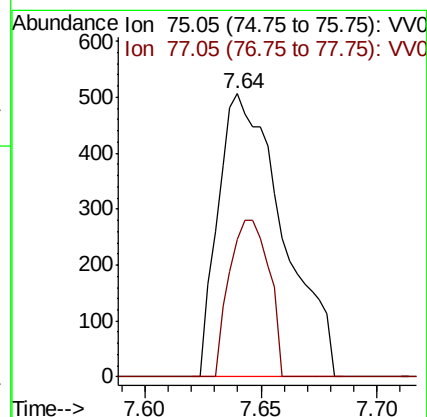
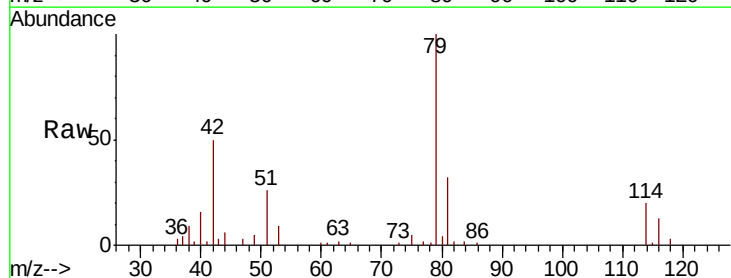
Instrument :
MSVOA_V
ClientSampleId :

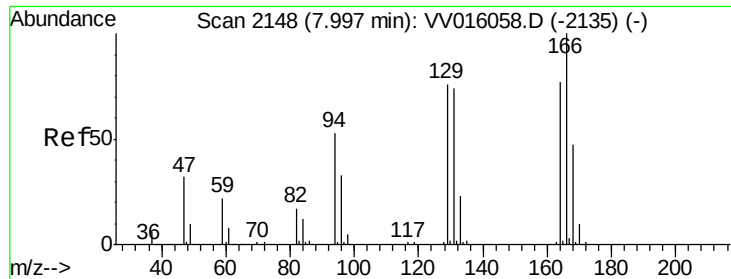
Tot Ion: 75 Resp: 1503
Ion Ratio Lower Upper
75 100
77 50.8 21.3 39.5#



#46
trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV016060.D
Acq: 14 May 2020 11:05

Tgt Ion: 75 Resp: 985
Ion Ratio Lower Upper
75 100
77 48.6 21.3 39.6#





#49

Tetrachloroethene

Concen: 5.945 ug/L

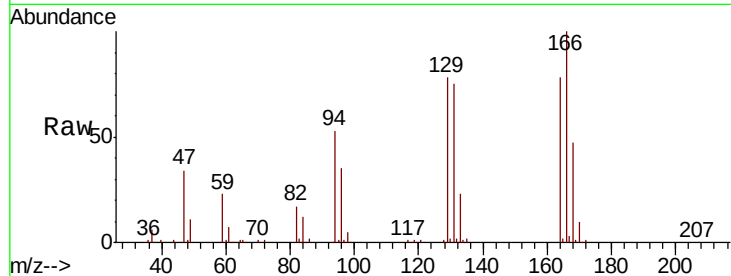
RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

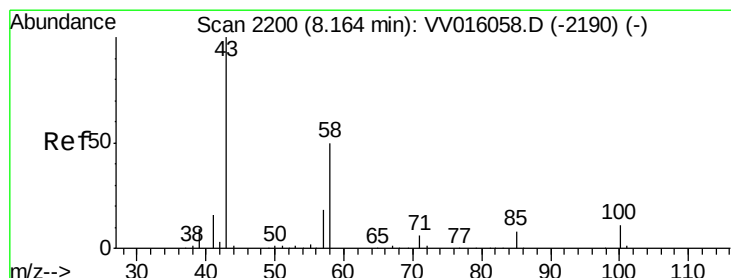
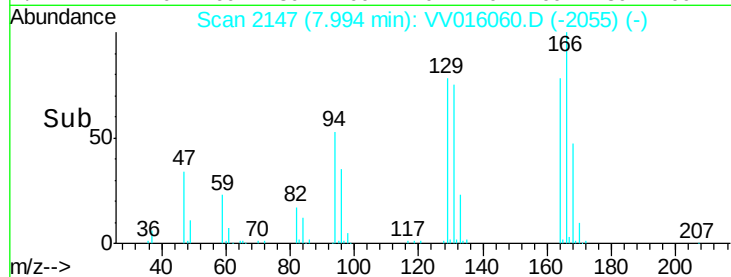
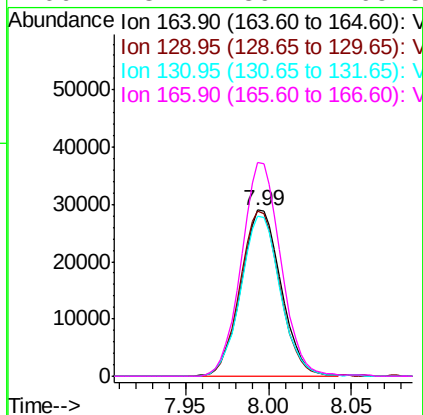
Lab File: VV016060.D

Acq: 14 May 2020 11:05

Instrument :
MSVOA_V
ClientSampleId :



Tot Ion:	164	Resp:	48754
Ion	Ratio	Lower	Upper
164	100		
129	99.9	69.7	129.4
131	96.4	66.8	124.2
166	128.7	89.1	165.5



#50

2-Hexanone

Concen: 3.138 ug/L

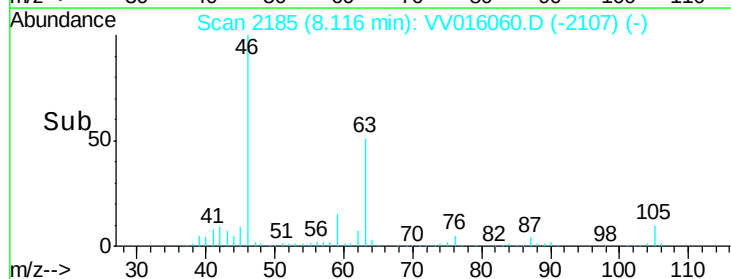
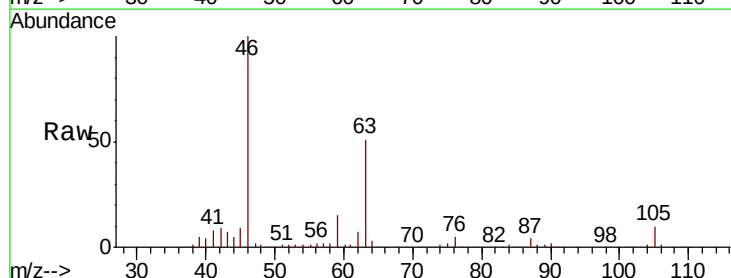
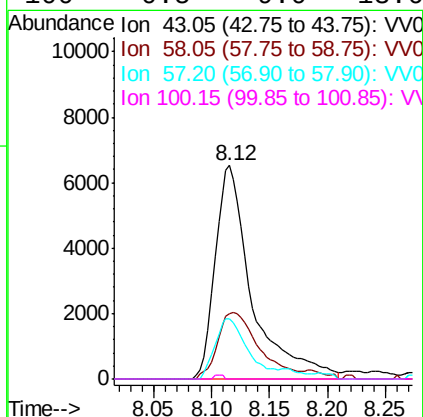
RT: 8.12 min Scan# 2185

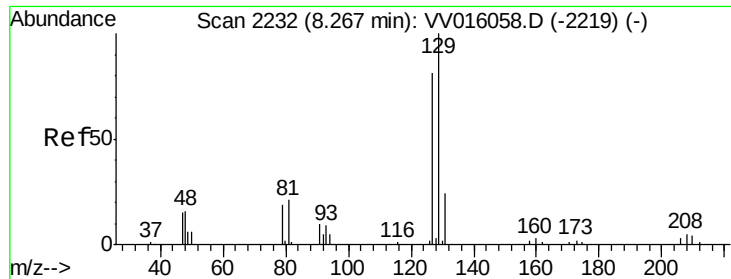
Delta R.T. -0.05 min

Lab File: VV016060.D

Acq: 14 May 2020 11:05

Tgt Ion:	43	Resp:	14471
Ion	Ratio	Lower	Upper
43	100		
58	35.0	40.8	61.2#
57	25.2	14.7	22.1#
100	0.5	9.0	13.6#

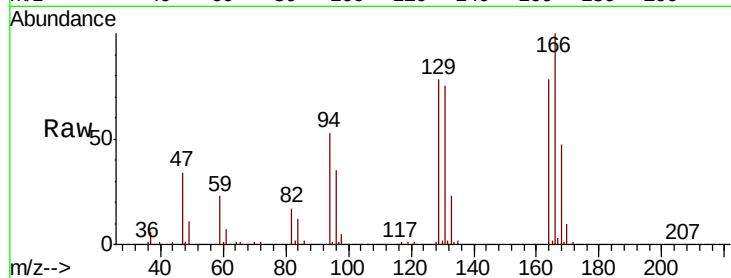




#51
 Dibromochloromethane
 Concen: 5.911 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.27 min
 Lab File: VV016060.D
 Acq: 14 May 2020 11:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 46406
 Ion Ratio Lower Upper
 129 100
 127 0.0 56.0 104.0#



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

