

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051920\
 Data File : VV016118.D
 Acq On : 19 May 2020 13:31
 Operator : SY/MD
 Sample : L2661-11MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 20 01:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181113	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	178202	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37265	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.58	69	39715	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	89209	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	3.96	46	136732	48.79	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.58%
24) Chloroform-d	4.37	84	90748	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.06	65	53641	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.07	84	180069	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.10	67	56984	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.34	98	155653	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
45) trans-1,3-Dichloropropene-	7.64	79	18599	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
48) 2-Hexanone-d5	8.12	63	100061	44.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41273	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	60141	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	737	0.071	ug/L #	23
12) 1,1-Dichloroethene	2.14	96	48670	4.883	ug/L	80
13) Acetone	2.22	43	4126	2.232	ug/L	87
17) Methyl tert-butyl Ether	2.79	73	2972	0.115	ug/L #	85
25) Chloroform	4.40	83	9949	0.426	ug/L	98
27) 1,2-Dichloroethane	5.13	62	2530	0.176	ug/L #	76
33) Benzene	5.12	78	244691	5.458	ug/L	100
34) Trichloroethene	5.94	95	66505	5.197	ug/L	97
35) Methylcyclohexane	6.09	83	13750	0.710	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6621	0.581	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1537	0.095	ug/L	86
42) Toluene	7.41	91	258717	5.444	ug/L	99
49) Tetrachloroethene	7.99	164	30928	3.464	ug/L	99
50) 2-Hexanone	8.12	43	14698	2.927	ug/L #	75
51) Dibromochloromethane	8.00	129	29891	3.497	ug/L #	9
53) Chlorobenzene	8.90	112	174344	5.704	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 20 01:20:41 2020
Response via : Initial Calibration

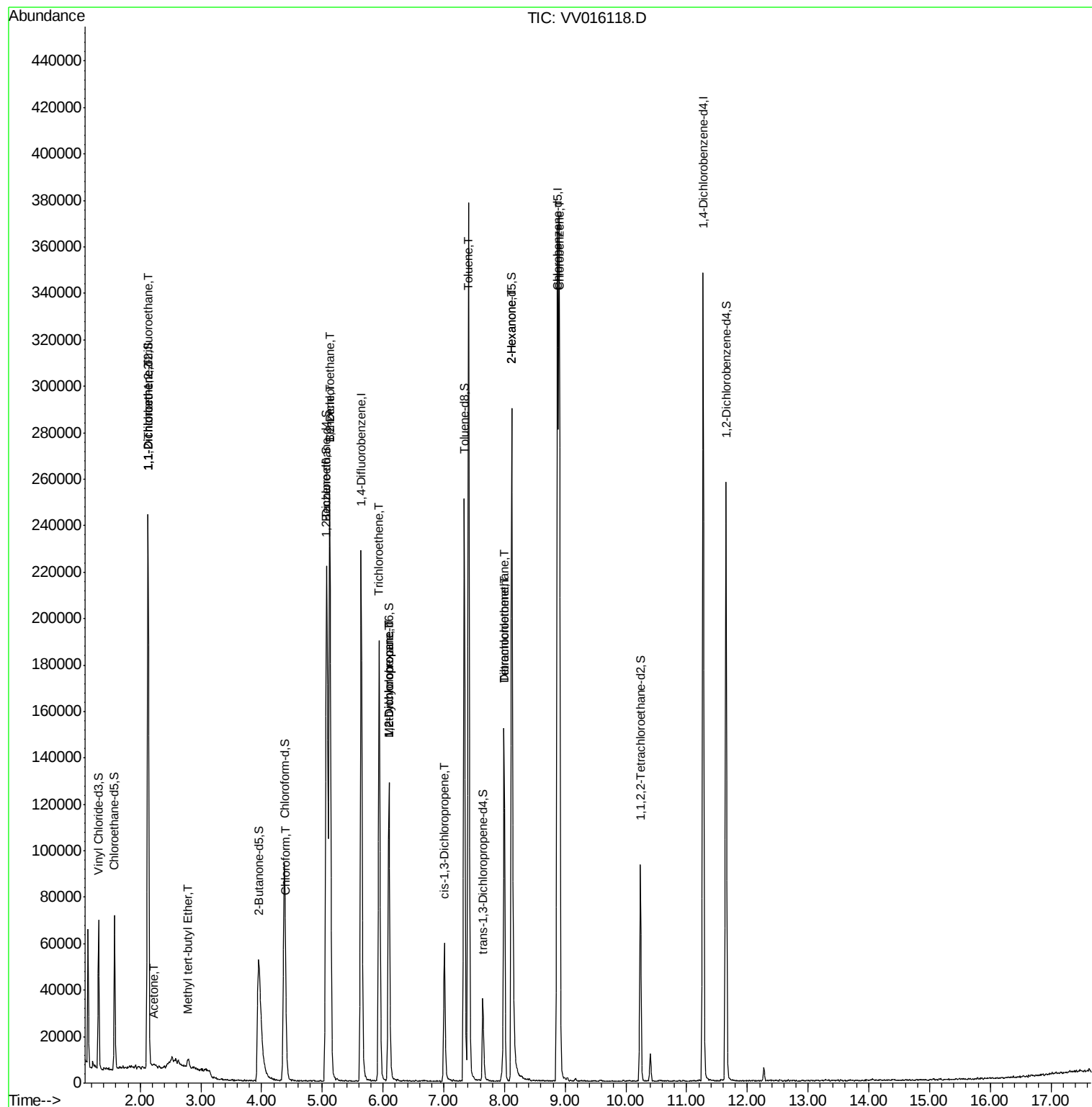
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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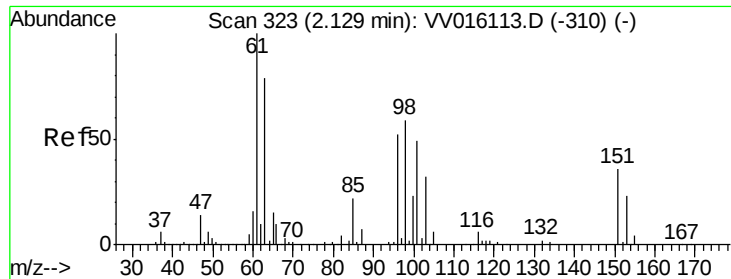
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV051920\
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Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 20 01:20:41 2020
Response via : Initial Calibration





#10

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

Concen: 0.071 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Instrument :

MSVOA_V

ClientSampled :

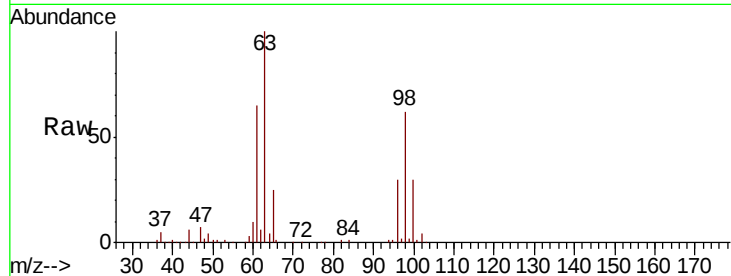
Tot Ion:101 Resp: 737

Ion Ratio Lower Upper

101 100

85 5.6 35.7 53.5#

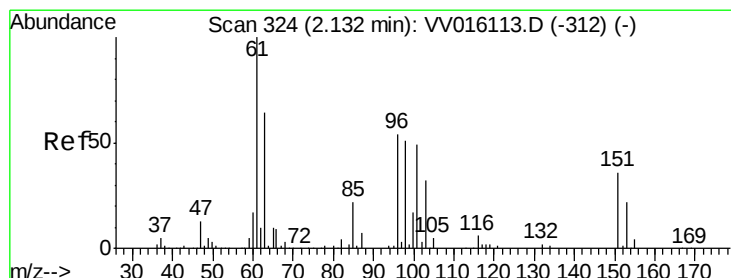
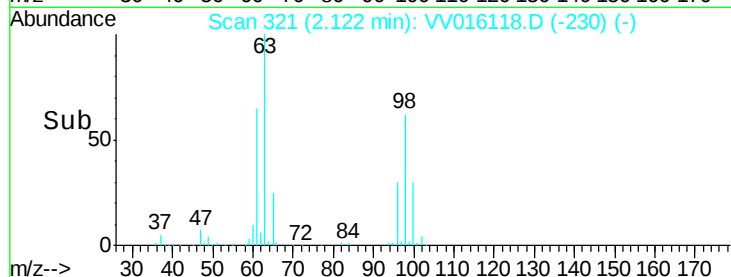
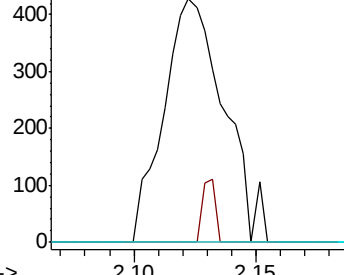
151 0.0 58.0 87.0#



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: 4.883 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

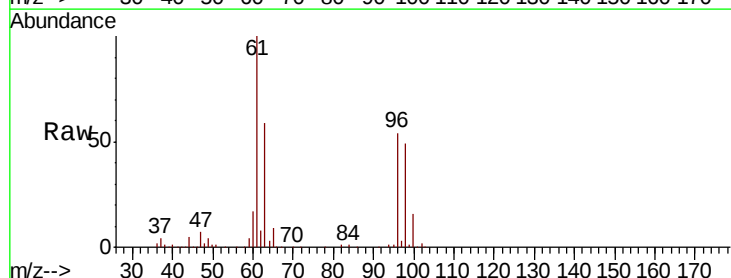
Tgt Ion: 96 Resp: 48670

Ion Ratio Lower Upper

96 100

61 185.3 139.9 259.7

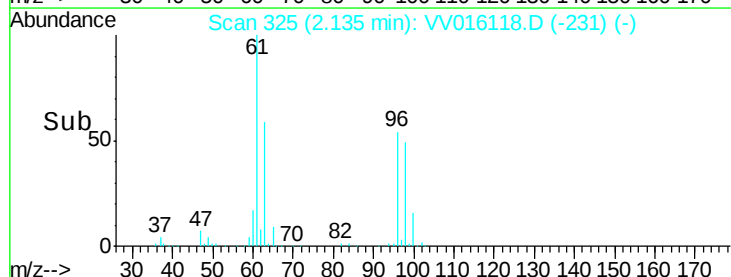
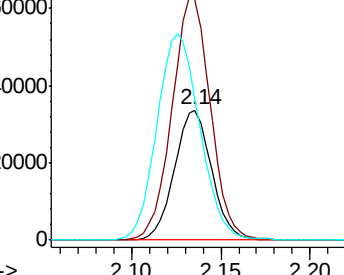
63 109.0 106.4 197.6

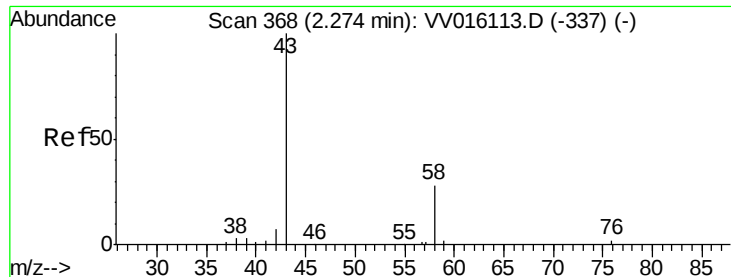


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.232 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.05 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

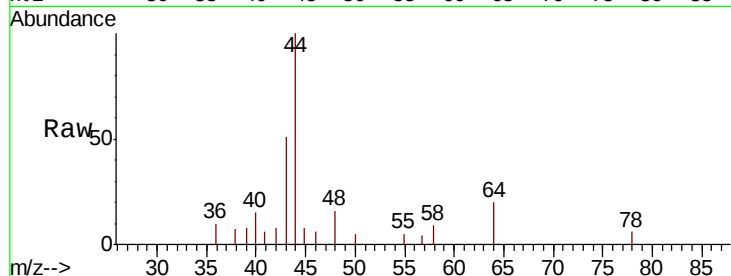
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4126

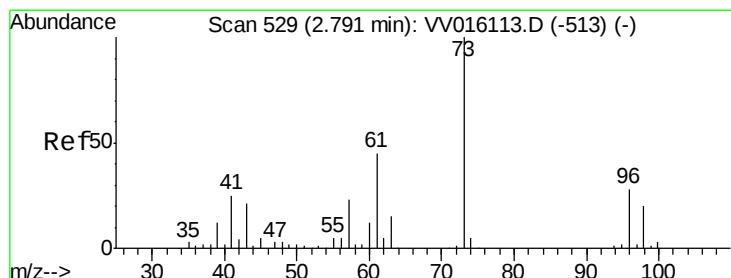
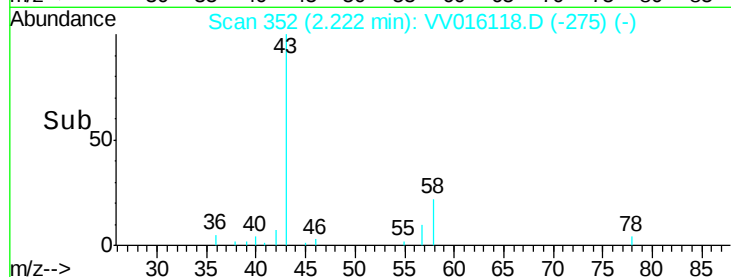
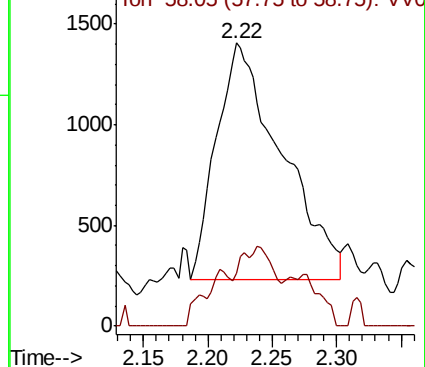
Ion Ratio Lower Upper

43 100

58 10.0 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#17

Methyl tert-butyl Ether

Concen: 0.115 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

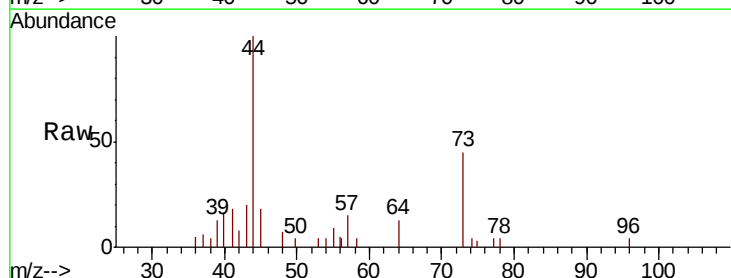
Tgt Ion: 73 Resp: 2972

Ion Ratio Lower Upper

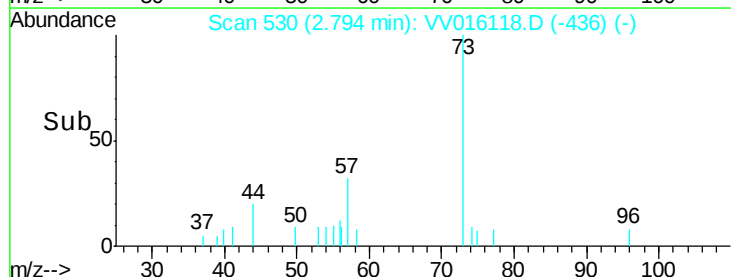
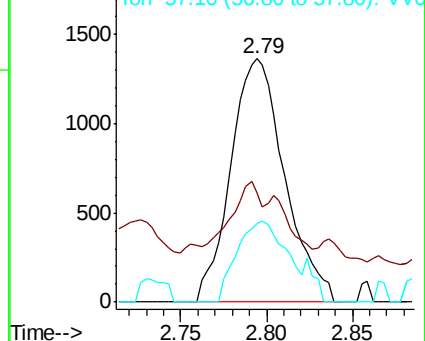
73 100

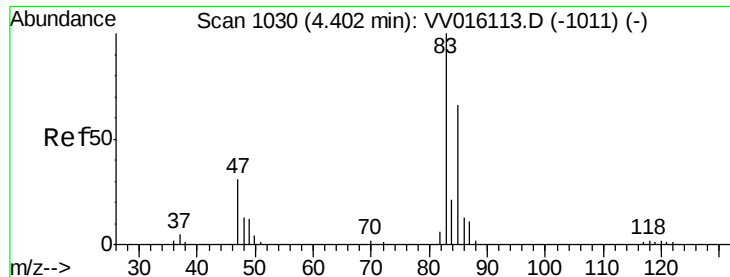
43 16.8 18.8 28.2#

57 30.2 17.8 26.6#



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

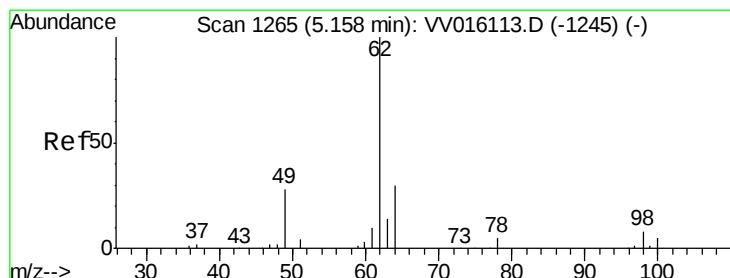
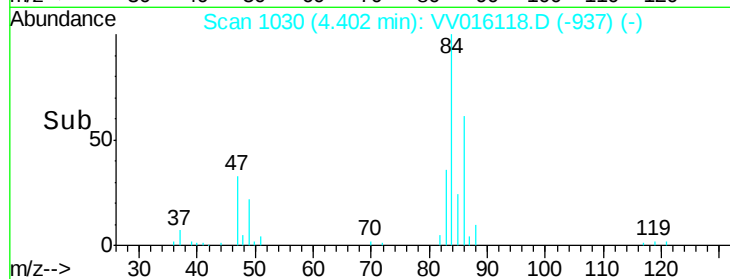
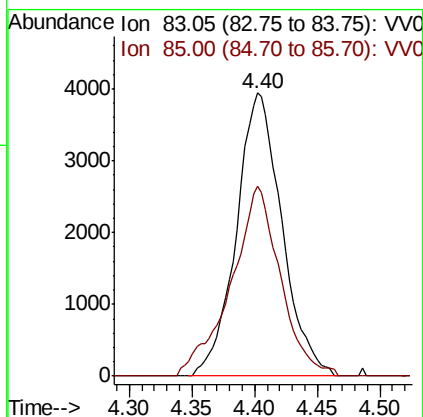
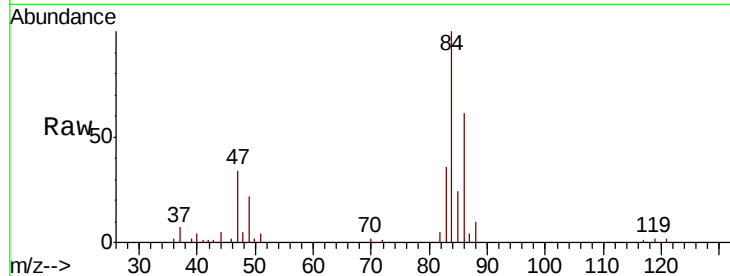




#25
Chloroform
Concen: 0.426 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016118.D
Acq: 19 May 2020 13:31

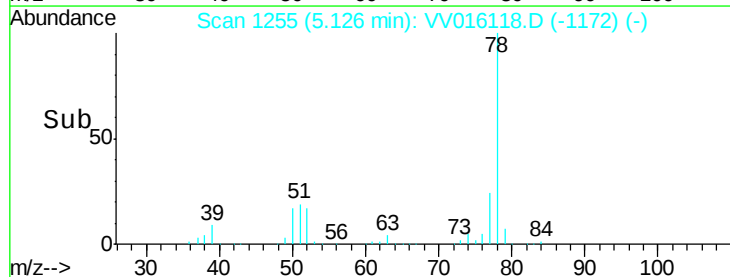
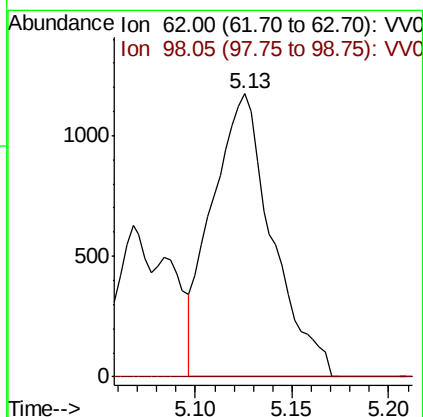
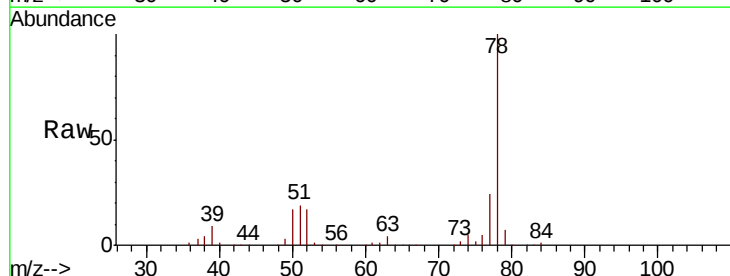
Instrument :
MSVOA_V
ClientSampleId :

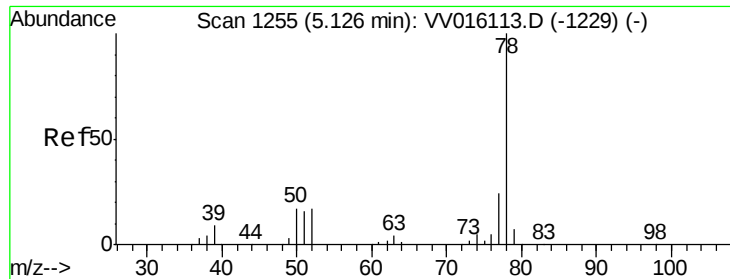
Tot Ion: 83 Resp: 9949
Ion Ratio Lower Upper
83 100
85 67.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.176 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV016118.D
Acq: 19 May 2020 13:31

Tgt Ion: 62 Resp: 2530
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#





#33

Benzene

Concen: 5.458 ug/L

RT: 5.12 min Scan# 1254

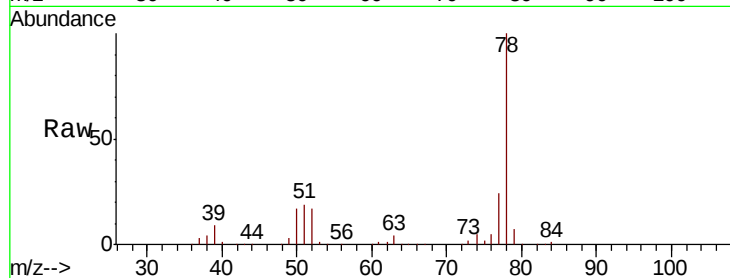
Delta R.T. -0.00 min

Lab File: VV016118.D

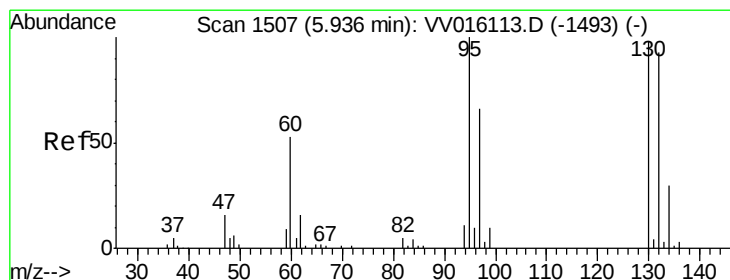
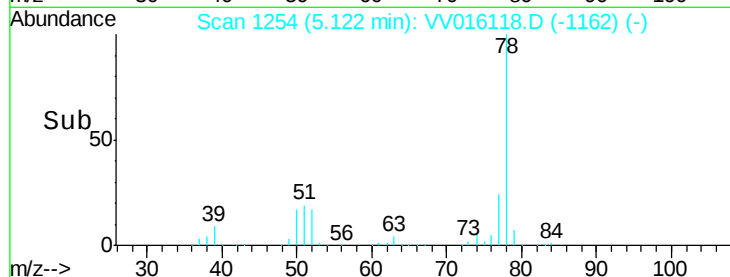
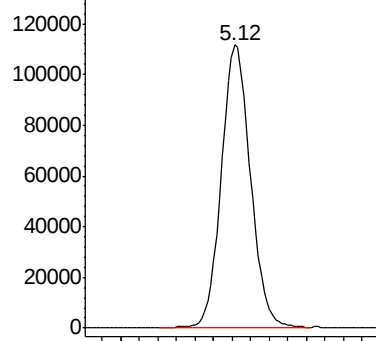
Acq: 19 May 2020 13:31

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 244691



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.197 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Tgt Ion: 95 Resp: 66505

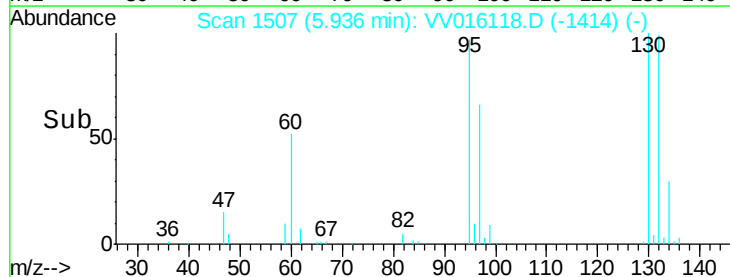
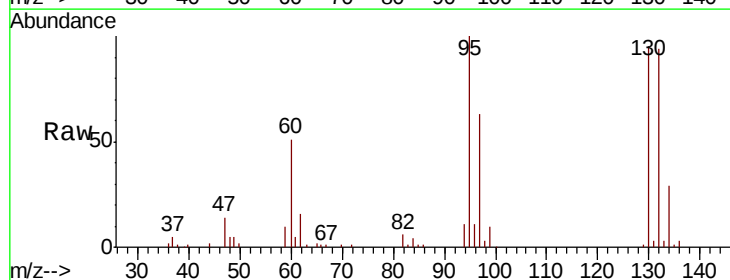
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.3	80.5
132	93.8	60.3	112.1
130	94.6	66.0	122.6

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



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

Ion 129.95 (129.65 to 130.65): VV0

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Ion 129.95 (129.65 to 130.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

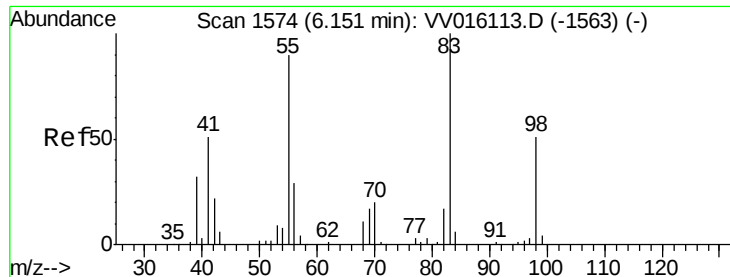
Ion 129.95 (129.65 to 130.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methvlcvclohexane

Concen: 0.710 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

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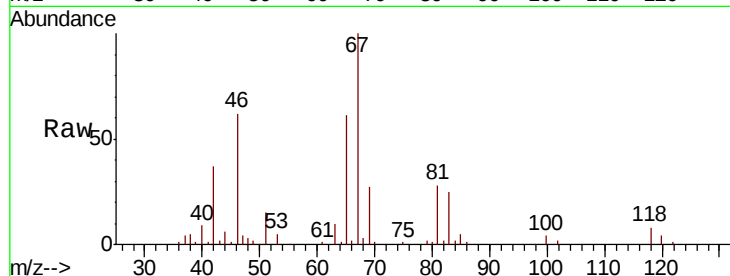
Tot Ion: 83 Resp: 13750

Ion Ratio Lower Upper

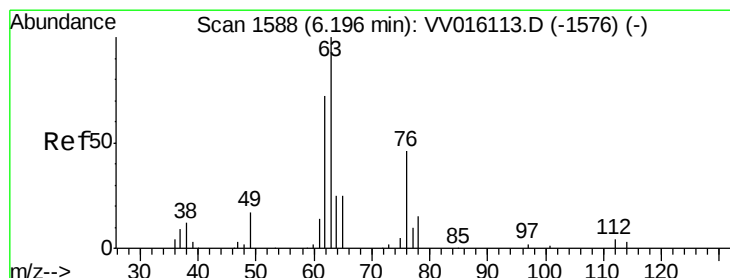
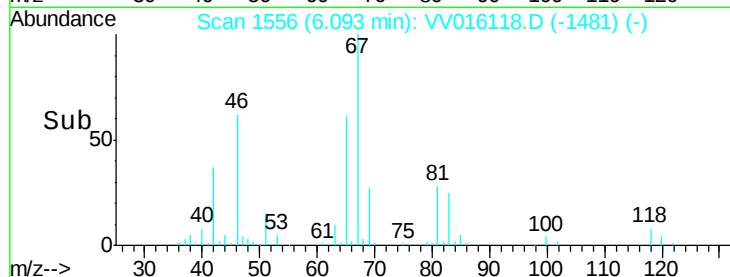
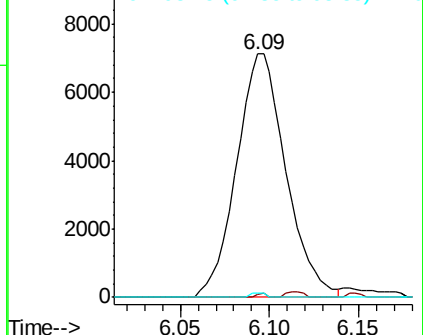
83 100

55 0.3 66.2 99.2#

98 0.5 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: 0.581 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016118.D

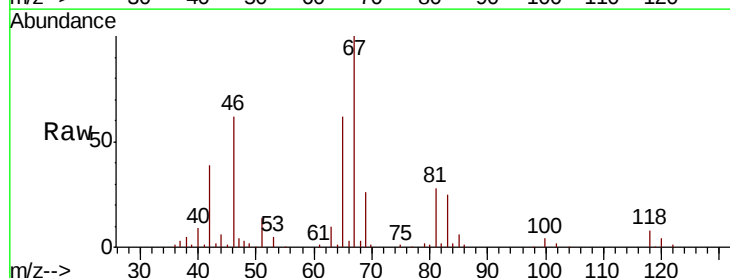
Acq: 19 May 2020 13:31

Tgt Ion: 63 Resp: 6621

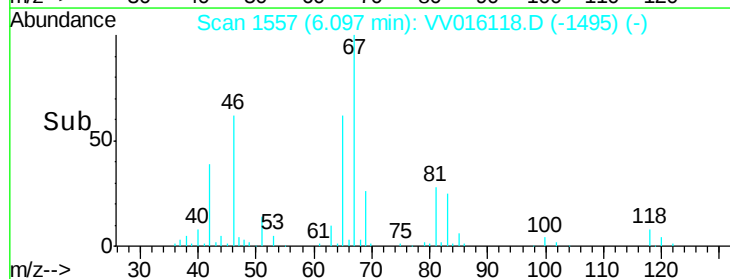
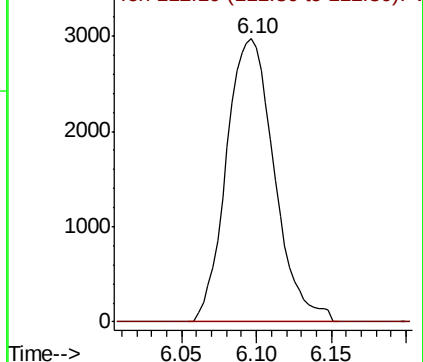
Ion Ratio Lower Upper

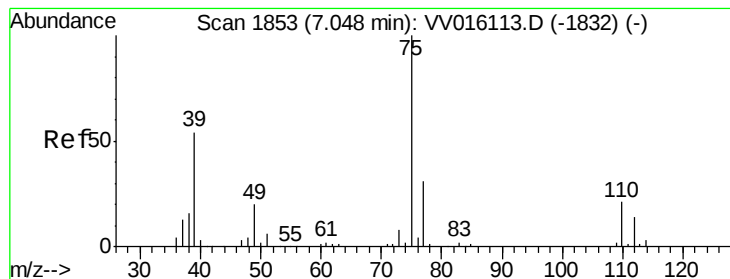
63 100

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



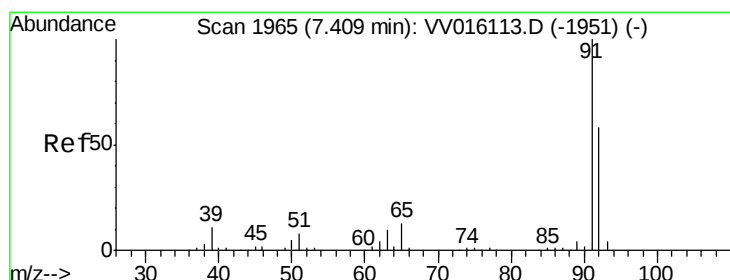
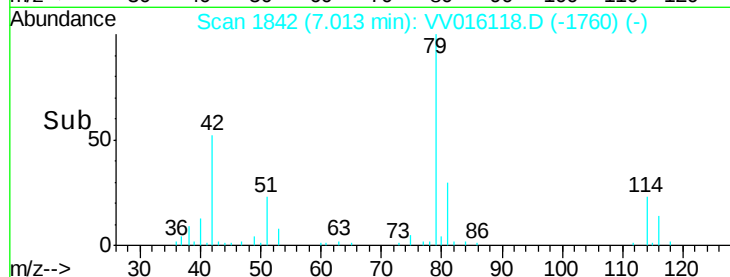
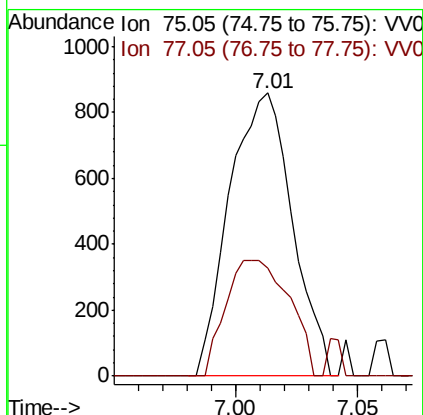
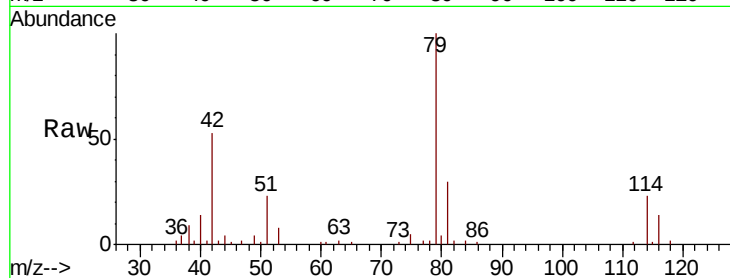


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.01 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VV016118.D
Acq: 19 May 2020 13:31

Instrument :
MSVOA_V
ClientSampled :

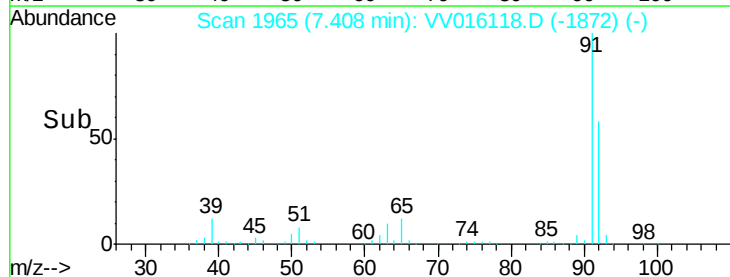
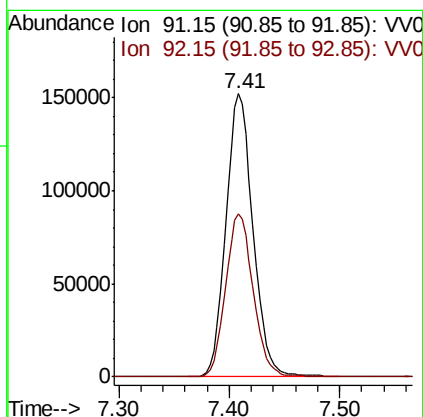
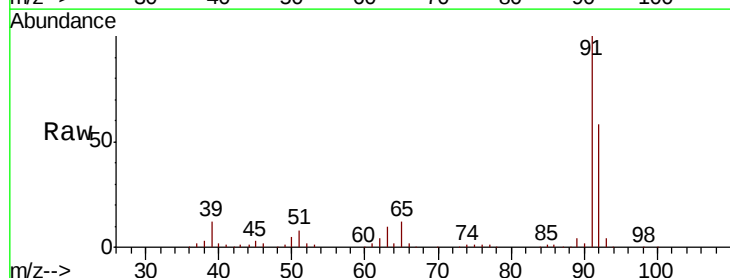
Tot Ion: 75 Resp: 1537
Ion Ratio Lower Upper
75 100
77 38.3 21.3 39.5

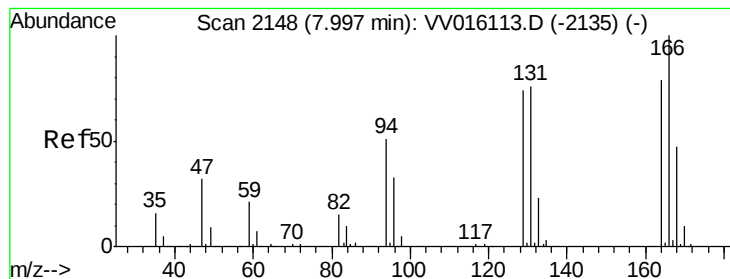


#42

Toluene
Concen: 5.444 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016118.D
Acq: 19 May 2020 13:31

Tgt Ion: 91 Resp: 258717
Ion Ratio Lower Upper
91 100
92 57.7 40.1 74.5





#49

Tetrachloroethene

Concen: 3.464 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 30928

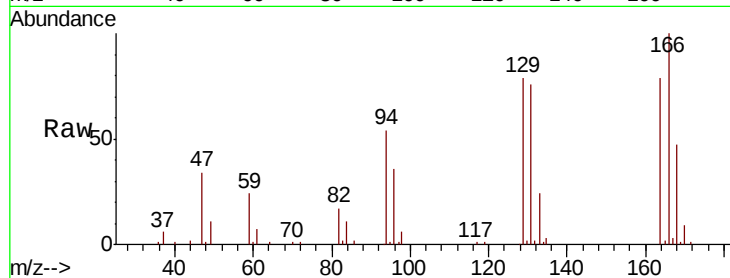
Ion Ratio Lower Upper

164 100

129 99.3 69.7 129.4

131 95.6 66.8 124.2

166 125.9 89.1 165.5

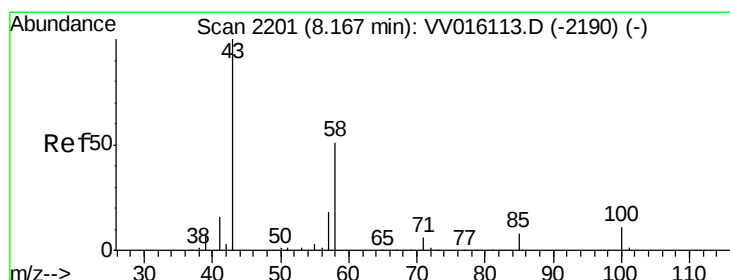
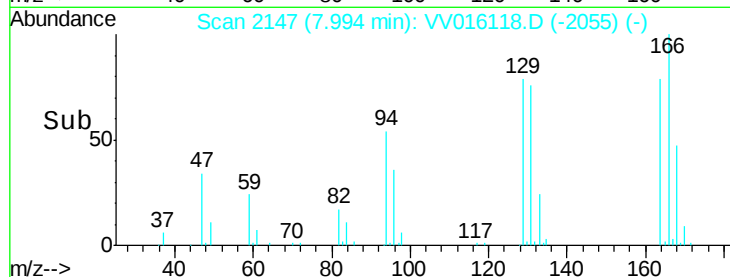
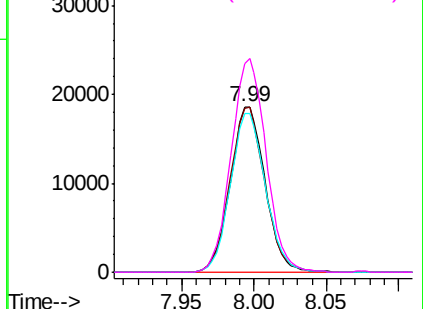


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 2.927 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Tgt Ion: 43 Resp: 14698

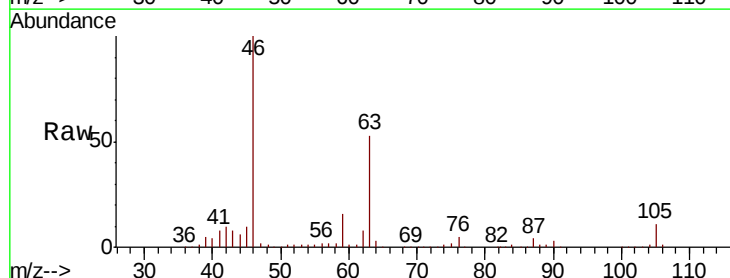
Ion Ratio Lower Upper

43 100

58 33.4 40.8 61.2#

57 28.0 14.7 22.1#

100 0.7 9.0 13.6#

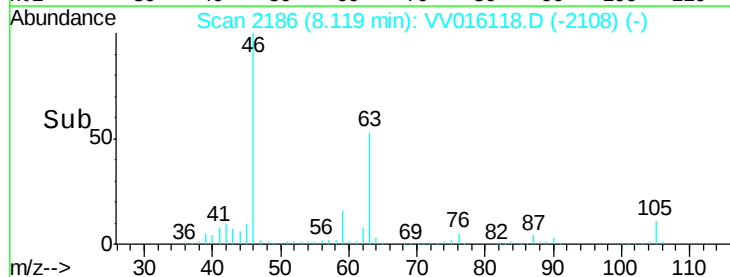
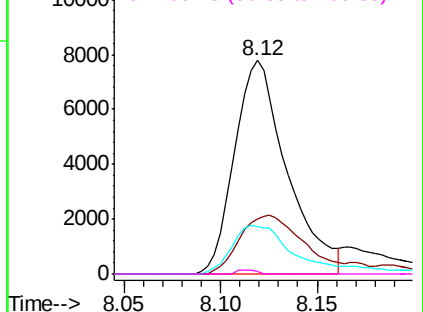


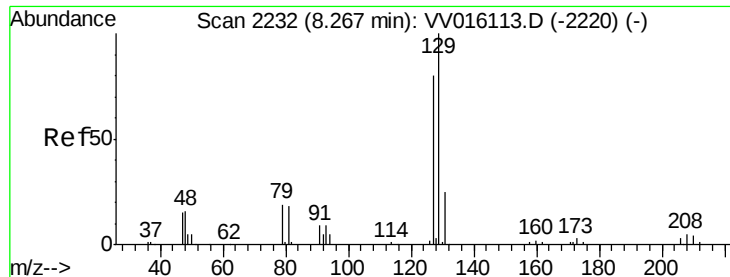
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 3.497 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

Instrument :

MSVOA_V

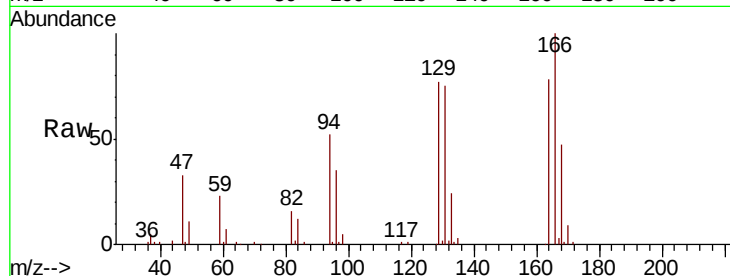
ClientSampled :

Tot Ion:129 Resp: 29891

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

8.00

20000

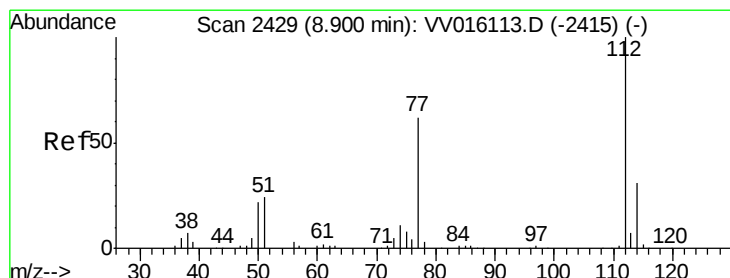
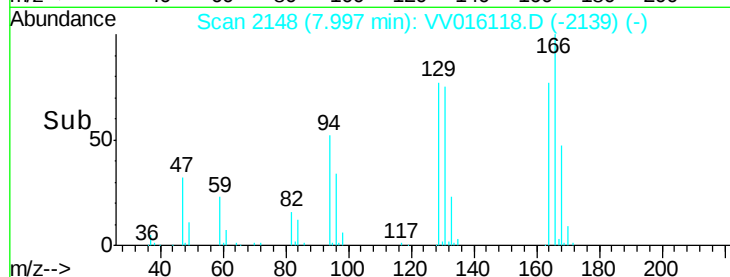
15000

10000

5000

0

Time--> 7.95 8.00 8.05



#53

Chlorobenzene

Concen: 5.704 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016118.D

Acq: 19 May 2020 13:31

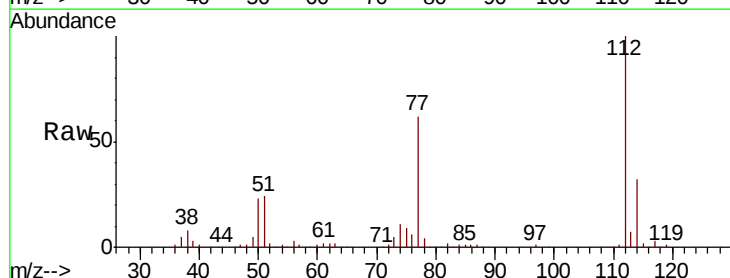
Tgt Ion:112 Resp: 174344

Ion Ratio Lower Upper

112 100

114 32.4 21.6 40.0

77 62.4 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): VV0

8.90

100000

50000

0

Time--> 8.80 8.85 8.90 8.95 9.00

