

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016071.D
 Acq On : 14 May 2020 16:58
 Operator : SY/MD
 Sample : L2598-22
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:31:04 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	147456	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	146107	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	66999	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40894	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	41491	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.13	63	62896	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	3.93	46	121787	53.37	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.74%
24) Chloroform-d	4.38	84	89389	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.06	65	51011	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.08	84	170894	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.10	67	55302	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	151615	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
45) trans-1,3-Dichloropropene-	7.65	79	18084	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
48) 2-Hexanone-d5	8.12	63	93302	50.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.98%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38882	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	57968	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1270	0.112	ug/L	97
8) Chloroethane	1.51	64	17209	2.208	ug/L #	50
12) 1,1-Dichloroethene	2.13	96	597	0.074	ug/L #	1
13) Acetone	2.22	43	17100	11.360	ug/L #	61
14) Carbon disulfide	2.31	76	1172	0.044	ug/L #	73
15) Methyl Acetate	2.46	43	1676	0.482	ug/L #	51
17) Methyl tert-butyl Ether	2.79	73	2909	0.138	ug/L #	1
25) Chloroform	4.41	83	3289	0.173	ug/L	96
27) 1,2-Dichloroethane	5.08	62	1119	0.096	ug/L #	76
33) Benzene	5.13	78	9387	0.255	ug/L	100
34) Trichloroethene	5.94	95	2303	0.219	ug/L	94
35) Methylcyclohexane	6.10	83	13295	0.838	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6605	0.707	ug/L #	87
42) Toluene	7.41	91	3965	0.102	ug/L	100
46) trans-1,3-Dichloropropene	7.65	75	839	0.075	ug/L	84
49) Tetrachloroethene	8.00	164	14432	1.971	ug/L	98
50) 2-Hexanone	8.12	43	13658	3.318	ug/L #	77

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QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration

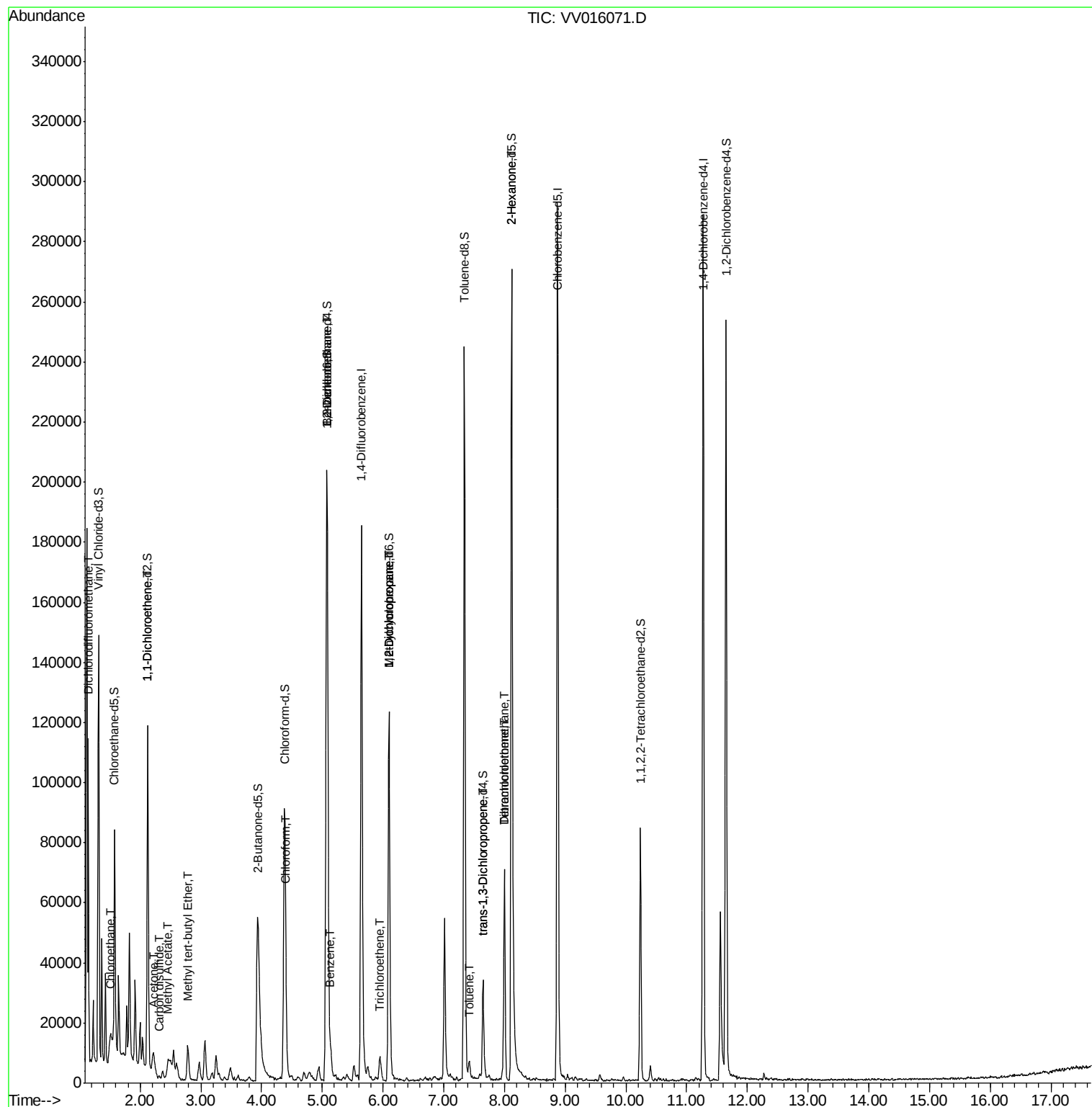
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	8.00	129	14092	2.011	ug/L #	9

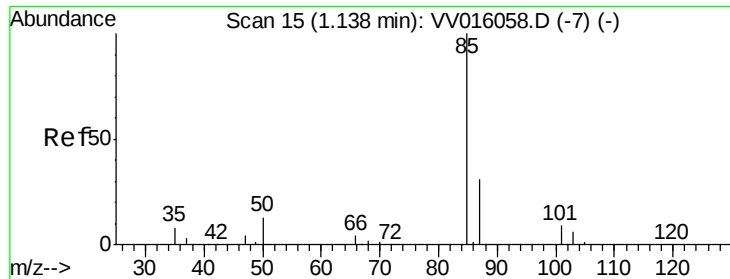
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.112 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV016071.D

Acq: 14 May 2020 16:58

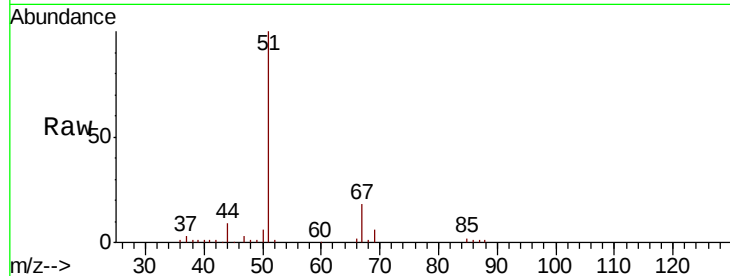
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 1270

Ion Ratio Lower Upper

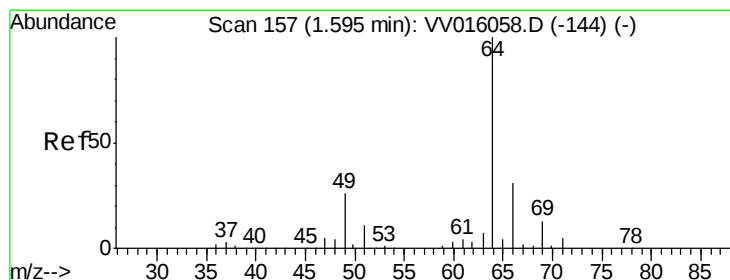
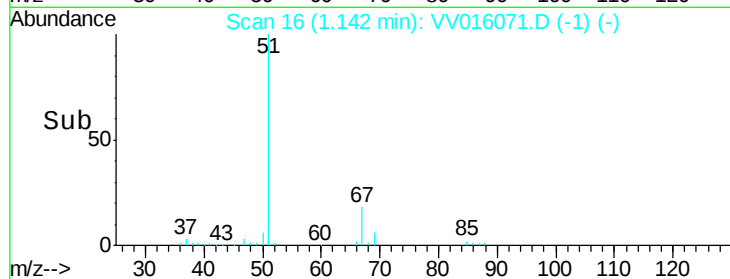
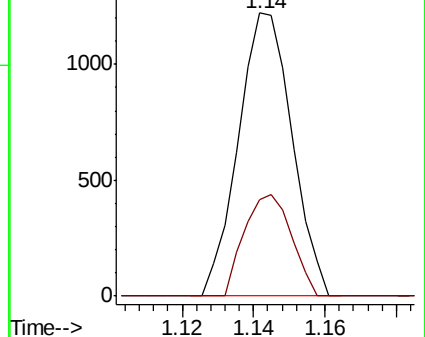
85 100

87 31.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016058.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV016058.D (-7) (-)



#8

Chloroethane

Concen: 2.208 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.08 min

Lab File: VV016071.D

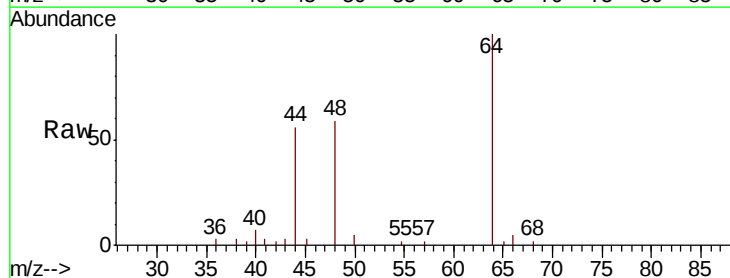
Acq: 14 May 2020 16:58

Tgt Ion: 64 Resp: 17209

Ion Ratio Lower Upper

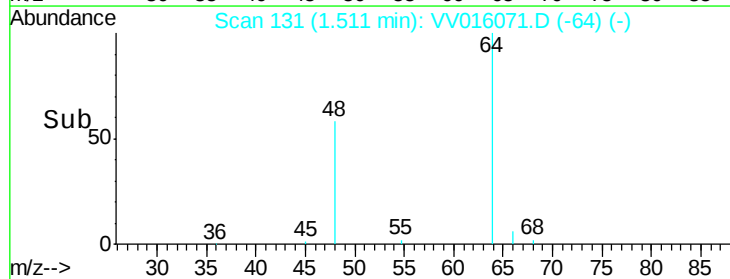
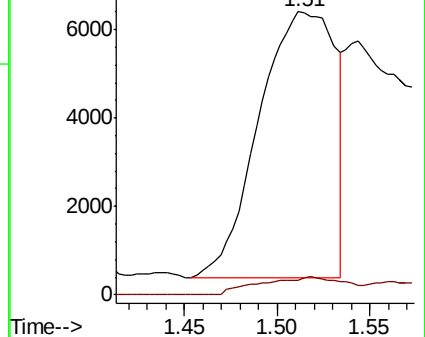
64 100

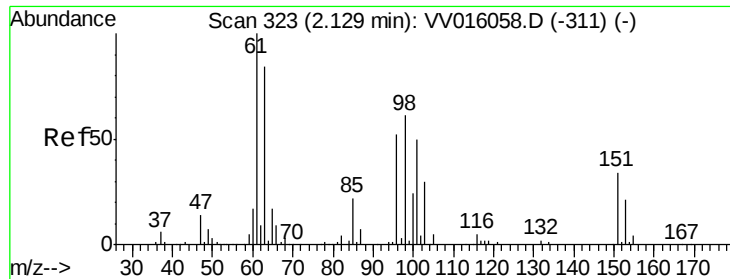
66 5.4 23.6 43.8#



Abundance Ion 64.10 (63.80 to 64.80): VV016058.D (-144) (-)

Ion 66.05 (65.75 to 66.75): VV016058.D (-144) (-)

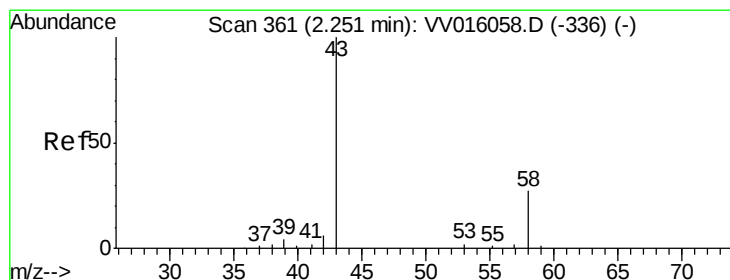
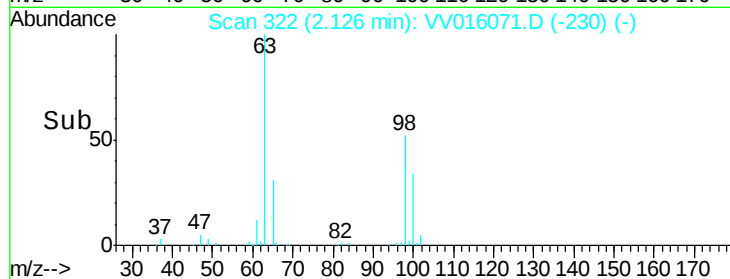
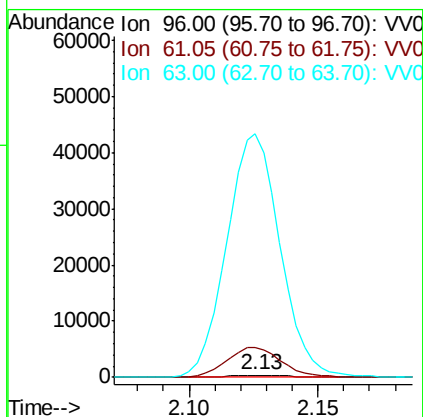
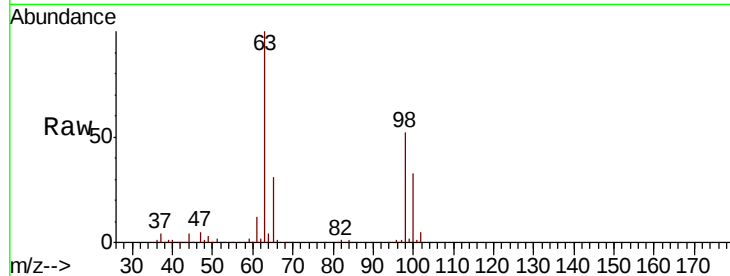




#12
 1,1-Dichloroethene
 Concen: 0.074 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

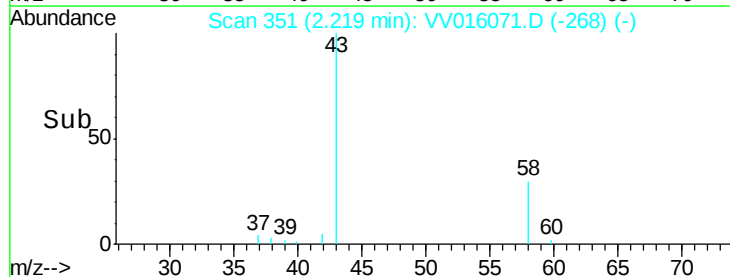
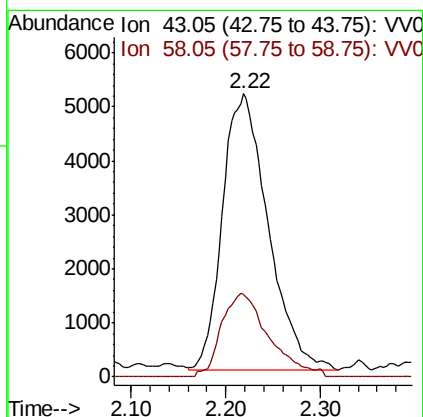
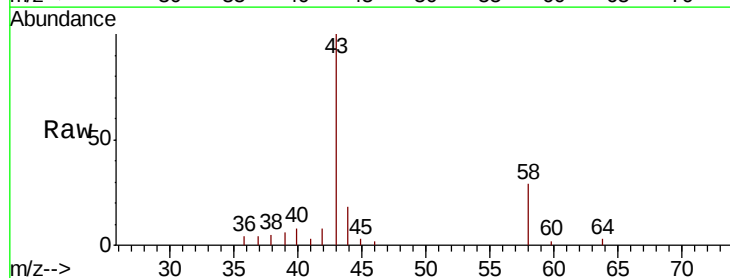
Instrument :
 MSVOA_V
 ClientSampleId :

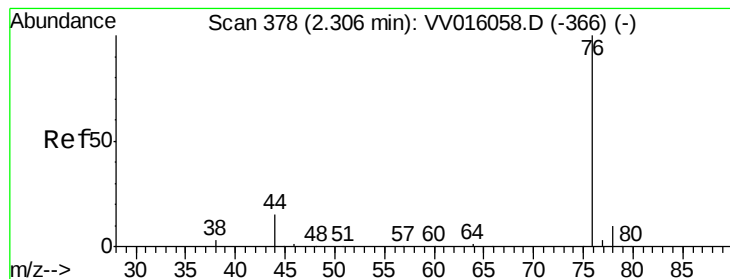
Tot Ion: 96 Resp: 597
 Ion Ratio Lower Upper
 96 100
 61 1430.2 139.9 259.7#
 63 11497.1 106.4 197.6#



#13
 Acetone
 Concen: 11.360 ug/L
 RT: 2.22 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

Tgt Ion: 43 Resp: 17100
 Ion Ratio Lower Upper
 43 100
 58 31.6 0.0 30.8#





#14

Carbon disulfide

Concen: 0.044 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV016071.D

Acq: 14 May 2020 16:58

Instrument :

MSVOA_V

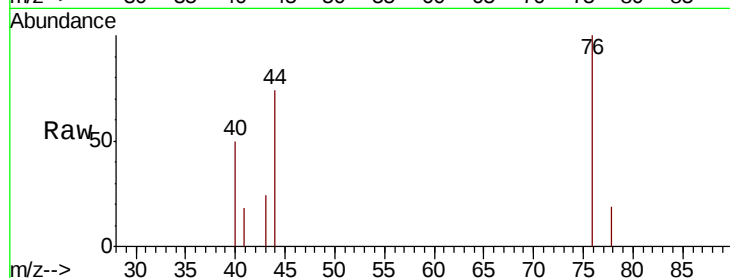
ClientSampleId :

Tot Ion: 76 Resp: 1172

Ion Ratio Lower Upper

76 100

78 18.6 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

800

600

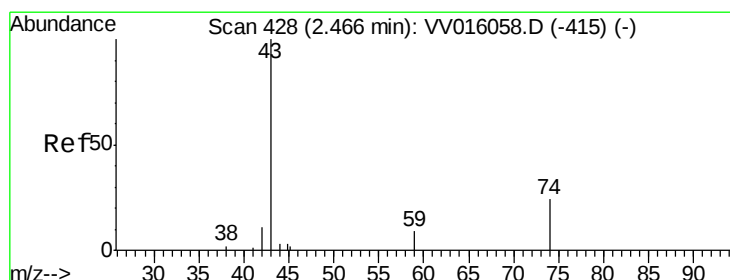
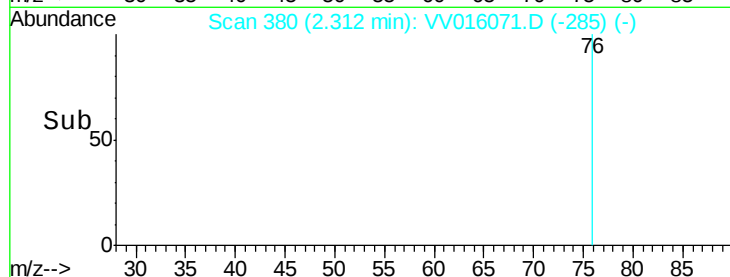
400

200

0

2.28 2.30 2.32 2.34

Time-->



#15

Methyl Acetate

Concen: 0.482 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV016071.D

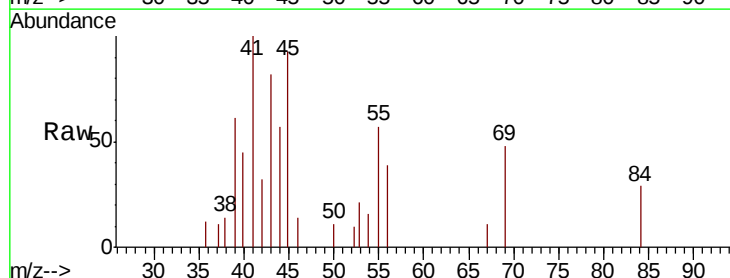
Acq: 14 May 2020 16:58

Tgt Ion: 43 Resp: 1676

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

1200

1000

800

600

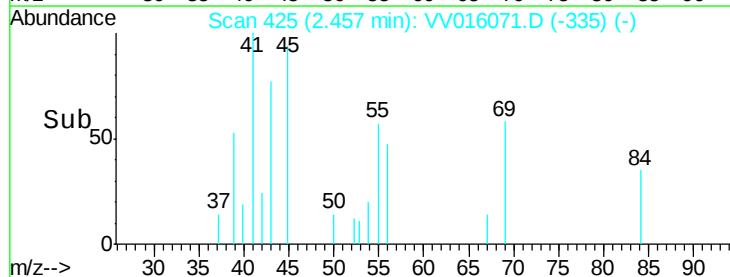
400

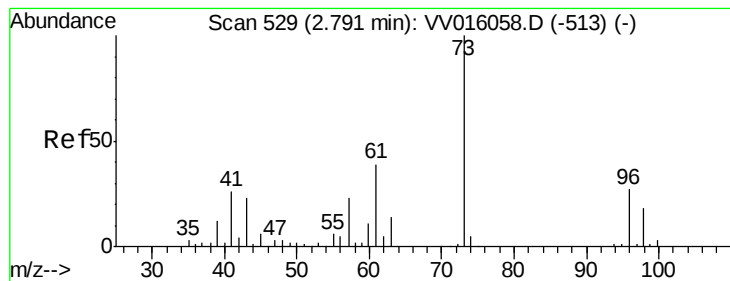
200

0

2.40 2.45 2.50

Time-->



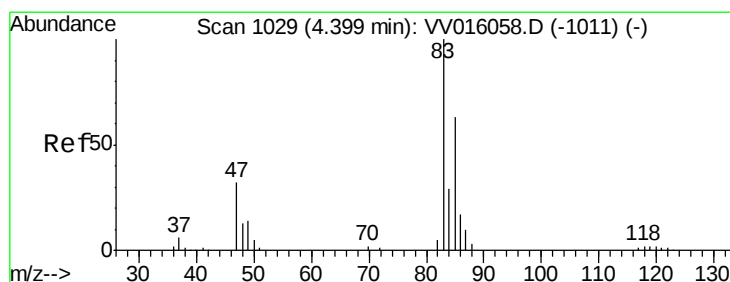
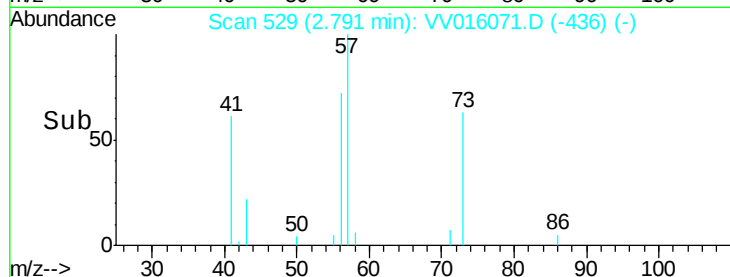
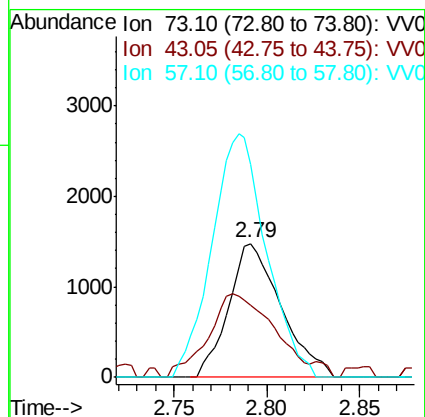
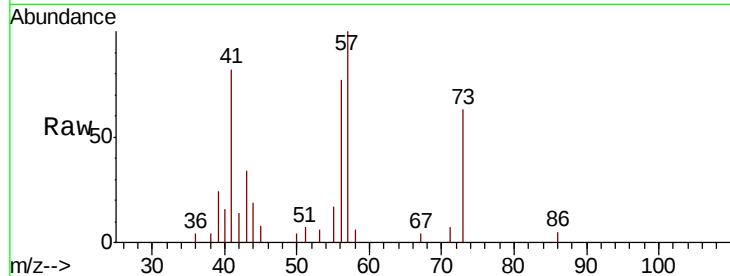


#17

Methvl tert-butvl Ether
 Concen: 0.138 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

Instrument :
 MSVOA_V
 ClientSampled :

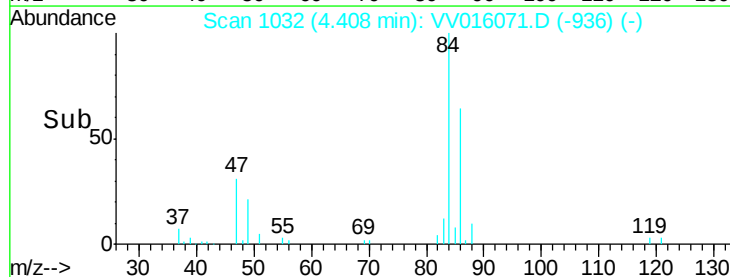
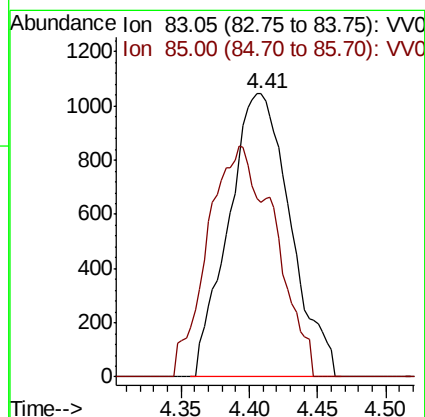
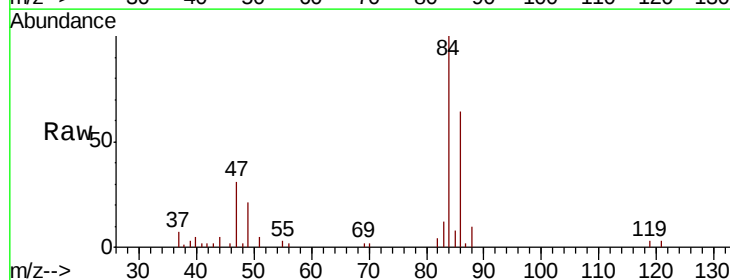
Tot Ion: 73 Resp: 2909
 Ion Ratio Lower Upper
 73 100
 43 77.4 18.8 28.2#
 57 187.8 17.8 26.6#

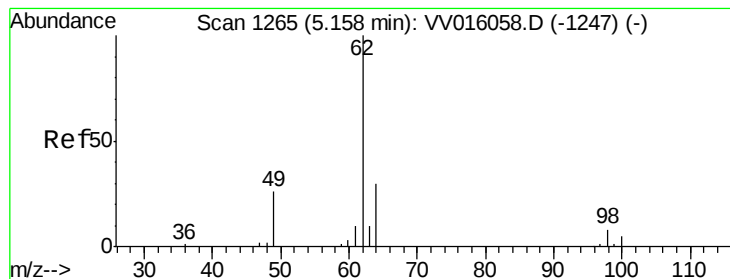


#25

Chloroform
 Concen: 0.173 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

Tgt Ion: 83 Resp: 3289
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.096 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV016071.D

Acq: 14 May 2020 16:58

Instrument :

MSVOA_V

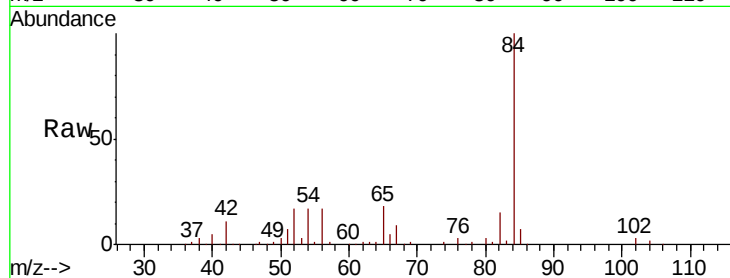
ClientSampleId :

Tot Ion: 62 Resp: 1119

Ion Ratio Lower Upper

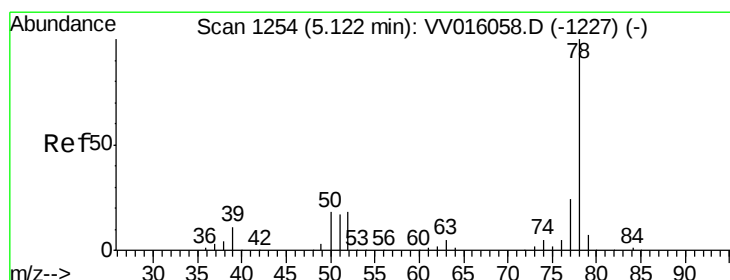
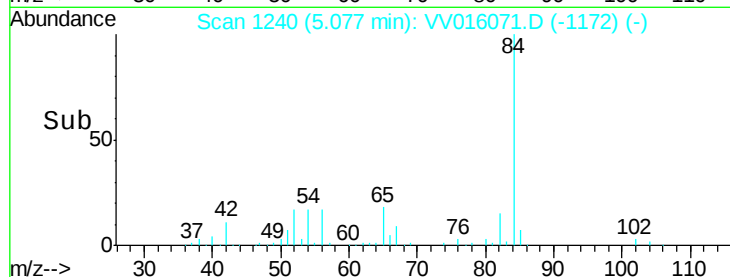
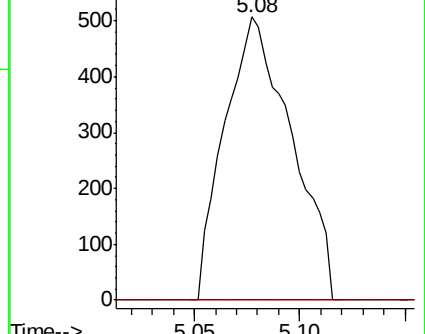
62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 0.255 ug/L

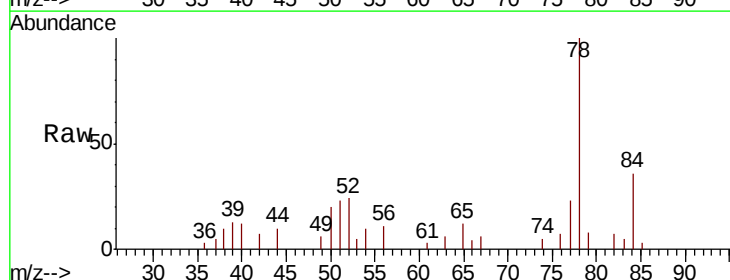
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

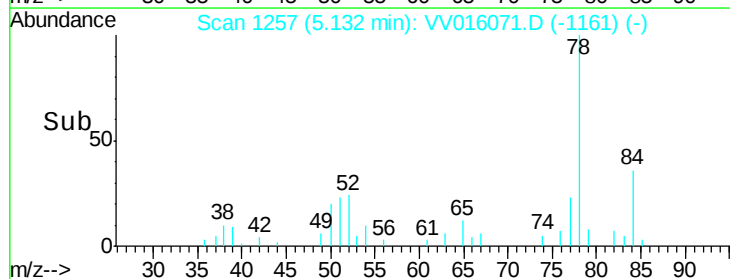
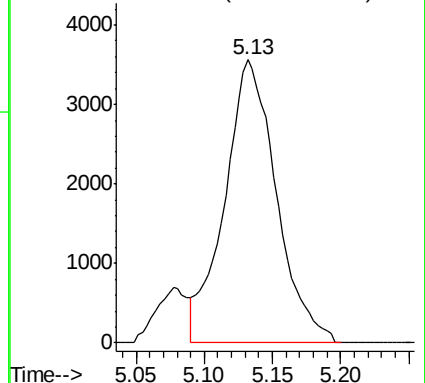
Lab File: VV016071.D

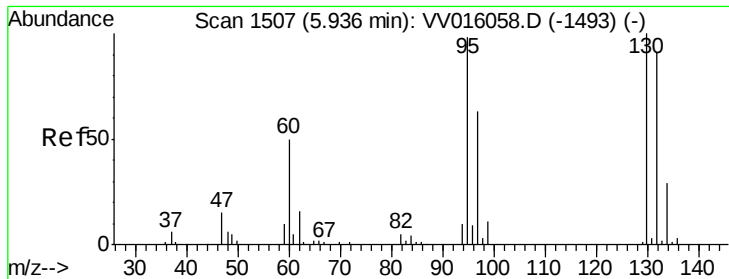
Acq: 14 May 2020 16:58

Tgt Ion: 78 Resp: 9387



Abundance Ion 78.10 (77.80 to 78.80): VV0

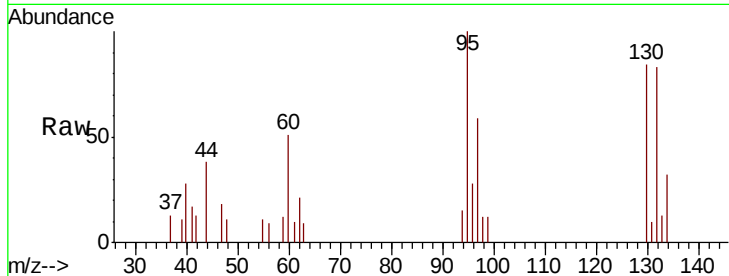




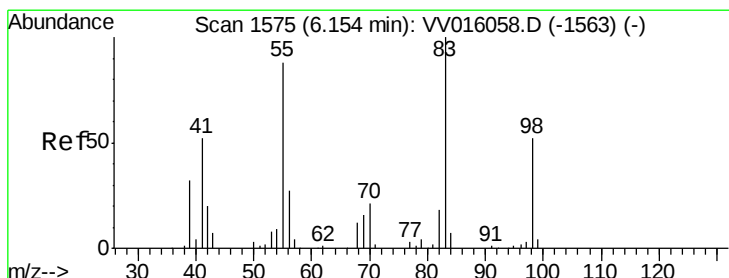
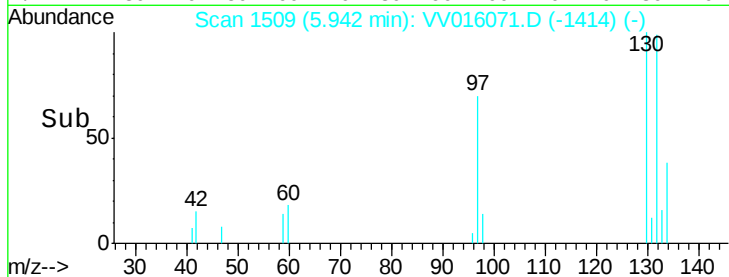
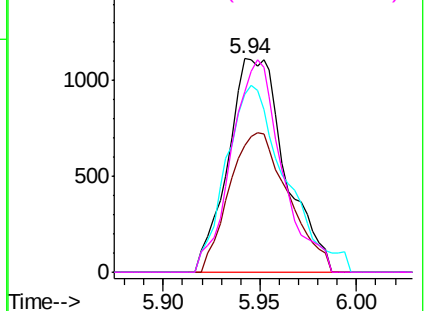
#34
 Trichloroethene
 Concen: 0.219 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 2303
 Ion Ratio Lower Upper
 95 100
 97 59.3 43.3 80.5
 132 83.4 60.3 112.1
 130 84.5 66.0 122.6

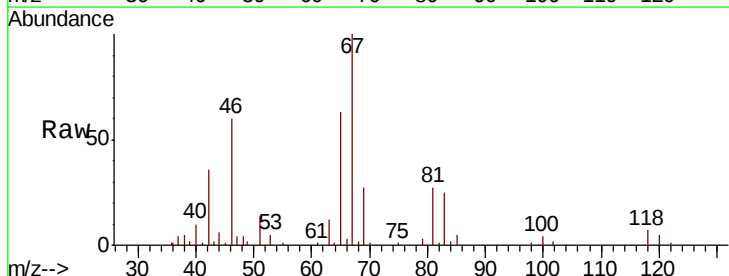


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

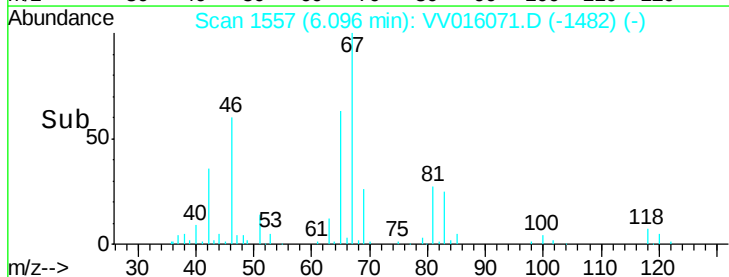
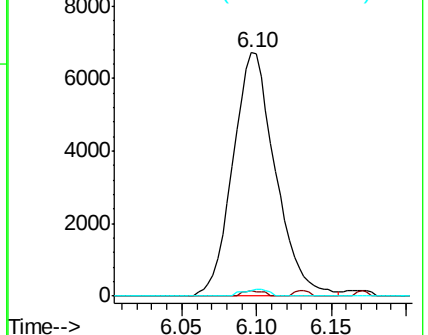


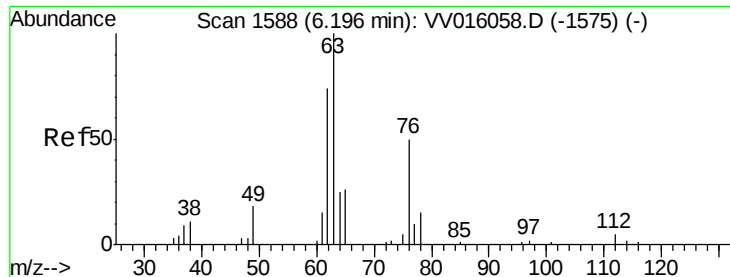
#35
 Methylcyclohexane
 Concen: 0.838 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

Tgt Ion: 83 Resp: 13295
 Ion Ratio Lower Upper
 83 100
 55 1.1 66.2 99.2#
 98 1.6 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

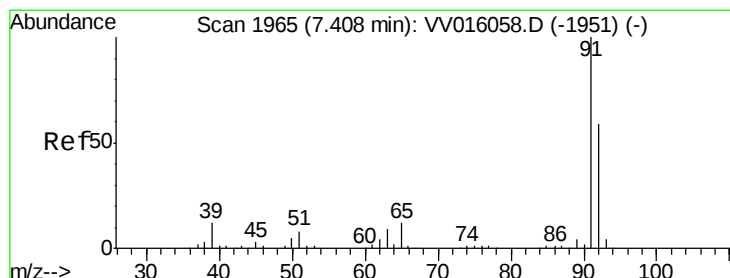
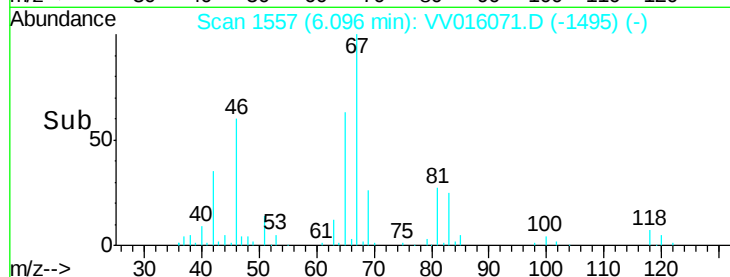
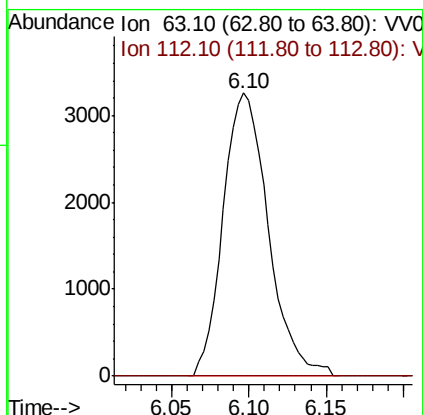
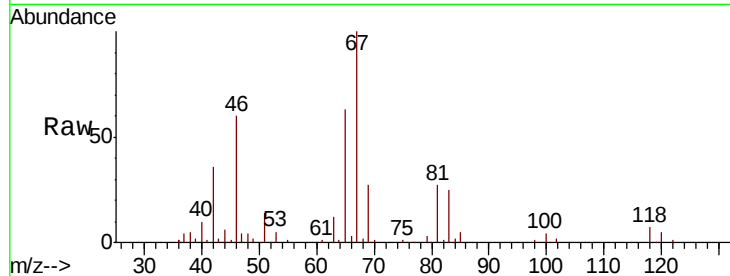




#37
 1,2-Dichloropropane
 Concen: 0.707 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

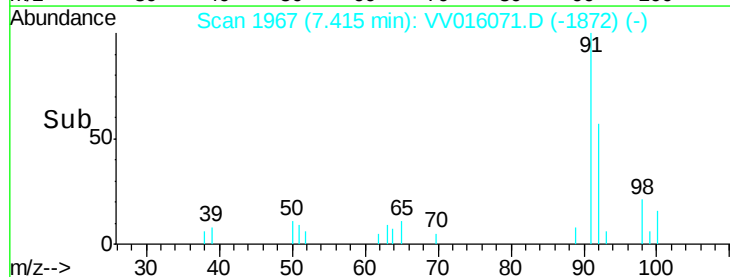
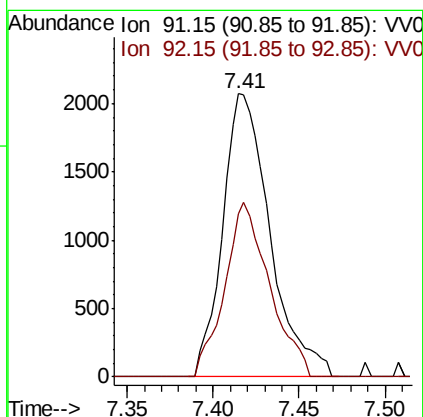
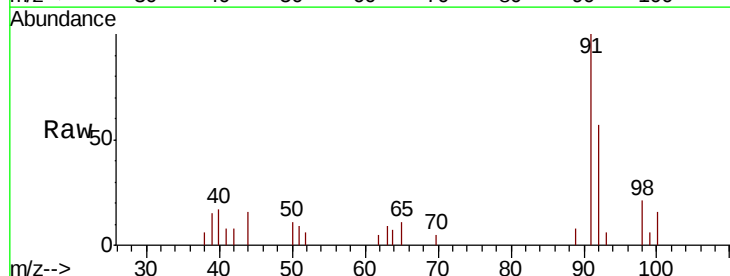
Instrument :
 MSVOA_V
 ClientSampled :

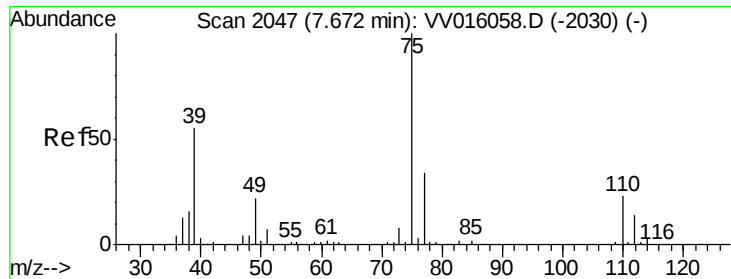
Tot Ion: 63 Resp: 6605
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#42
 Toluene
 Concen: 0.102 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV016071.D
 Acq: 14 May 2020 16:58

Tgt Ion: 91 Resp: 3965
 Ion Ratio Lower Upper
 91 100
 92 57.5 40.1 74.5

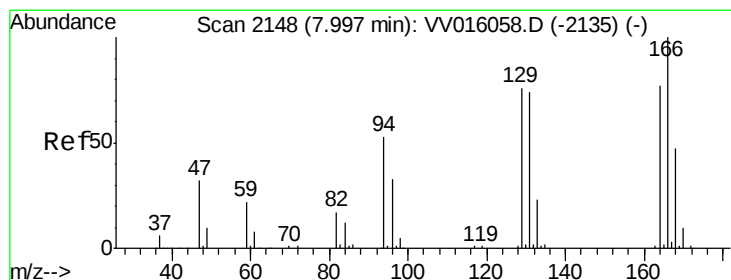
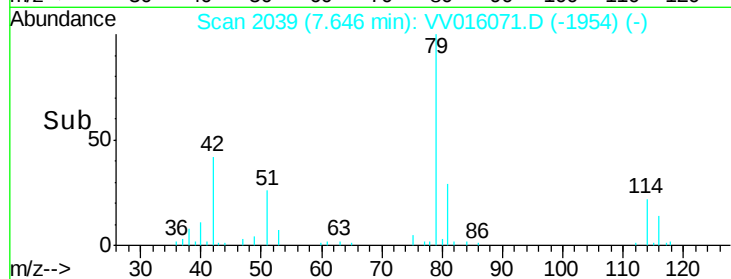
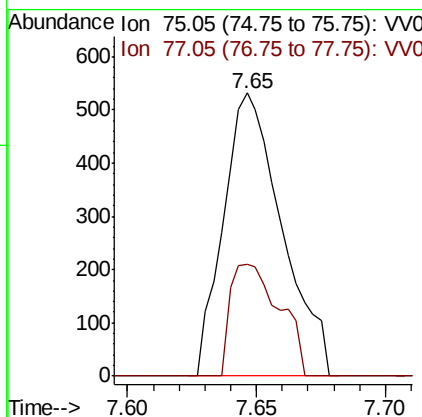
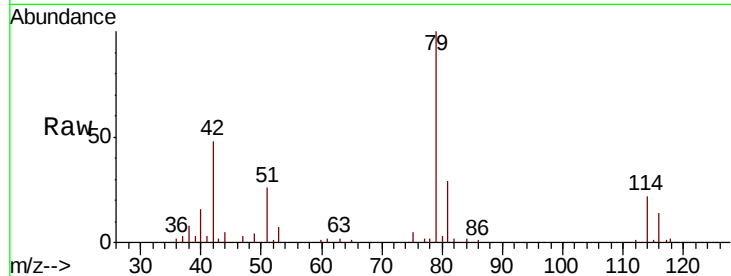




#46
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016071.D
Acq: 14 May 2020 16:58

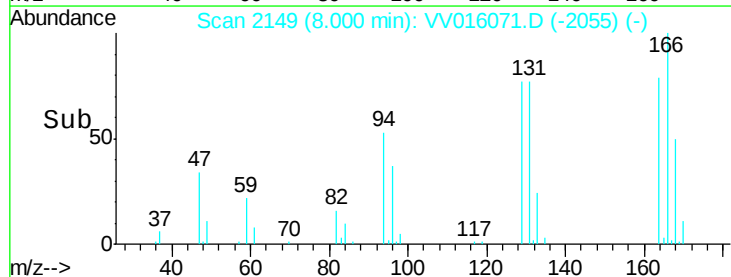
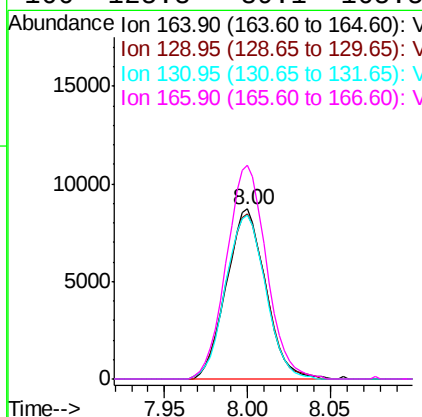
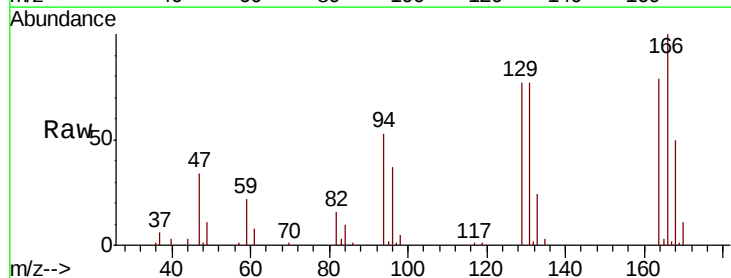
Instrument :
MSVOA_V
ClientSampled :

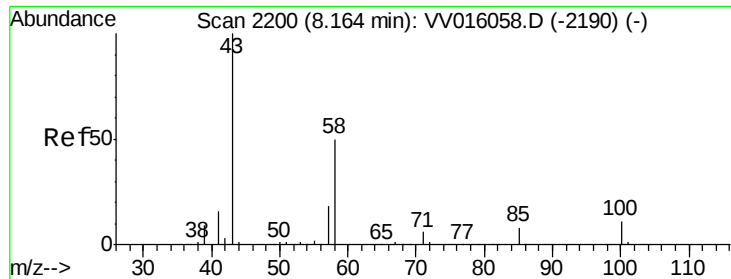
Tot Ion: 75 Resp: 839
Ion Ratio Lower Upper
75 100
77 39.5 21.3 39.6



#49
Tetrachloroethene
Concen: 1.971 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV016071.D
Acq: 14 May 2020 16:58

Tgt Ion: 164 Resp: 14432
Ion Ratio Lower Upper
164 100
129 97.0 69.7 129.4
131 96.6 66.8 124.2
166 125.8 89.1 165.5

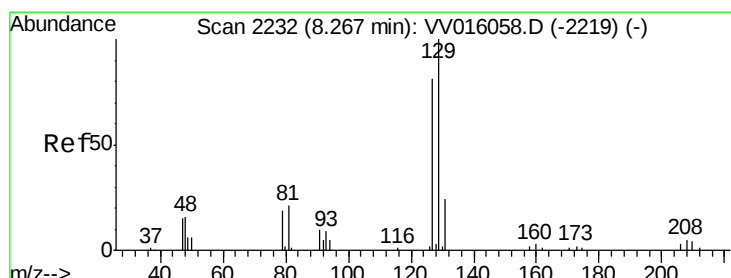
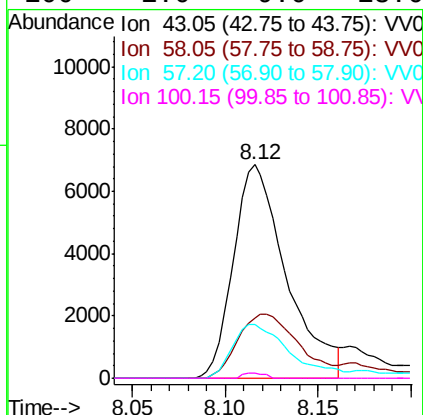
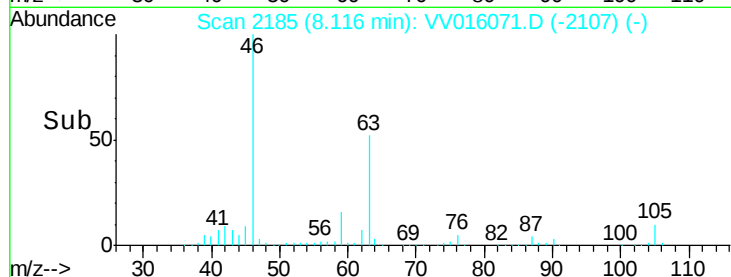
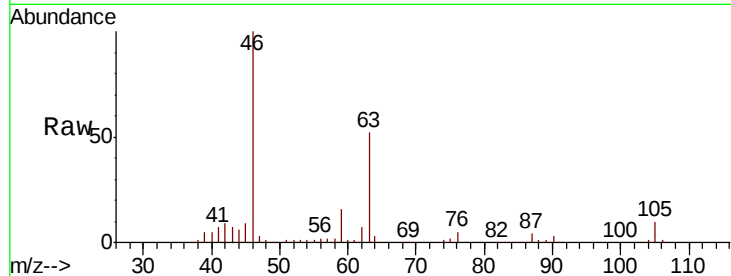




#50
2-Hexanone
Concen: 3.318 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016071.D
Acq: 14 May 2020 16:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 13658
Ion Ratio Lower Upper
43 100
58 34.5 40.8 61.2#
57 27.6 14.7 22.1#
100 1.0 9.0 13.6#



#51
Dibromochloromethane
Concen: 2.011 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV016071.D
Acq: 14 May 2020 16:58

Tgt Ion: 129 Resp: 14092
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

