

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016212.D
 Acq On : 27 May 2020 00:00
 Operator : SY/MD
 Sample : L2753-21
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:18:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	89963	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	86992	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38785	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28441	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.58	69	26463	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	40288	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	3.94	46	82888	57.83	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.66%
24) Chloroform-d	4.38	84	58286	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.06	65	32570	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.08	84	113973	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.10	67	34893	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.34	98	102091	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
45) trans-1,3-Dichloropropene-	7.65	79	12284	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
48) 2-Hexanone-d5	8.12	63	60750	53.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26069	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	35455	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	838	0.106 ug/L	99
8) Chloroethane	1.60	64	1444	0.328 ug/L #	42
21) 2-Butanone	4.13	43	4584	2.905 ug/L #	57
22) cis-1,2-Dichloroethene	3.95	96	453	0.066 ug/L	95
25) Chloroform	4.41	83	3632	0.311 ug/L	96
27) 1,2-Dichloroethane	5.08	62	843	0.110 ug/L #	79
34) Trichloroethene	5.95	95	753	0.115 ug/L	86
35) Methylcyclohexane	6.10	83	8785	0.799 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	4311	0.702 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	975	0.112 ug/L	83
46) trans-1,3-Dichloropropene	7.64	75	647	0.090 ug/L #	78
47) 1,1,2-Trichloroethane	8.00	97	1182	0.293 ug/L #	1
49) Tetrachloroethene	8.00	164	109063	23.294 ug/L	98
50) 2-Hexanone	8.12	43	8557	3.212 ug/L #	75
51) Dibromochloromethane	8.00	129	105409	24.644 ug/L #	10
70) Naphthalene	13.53	128	5714	0.356 ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration

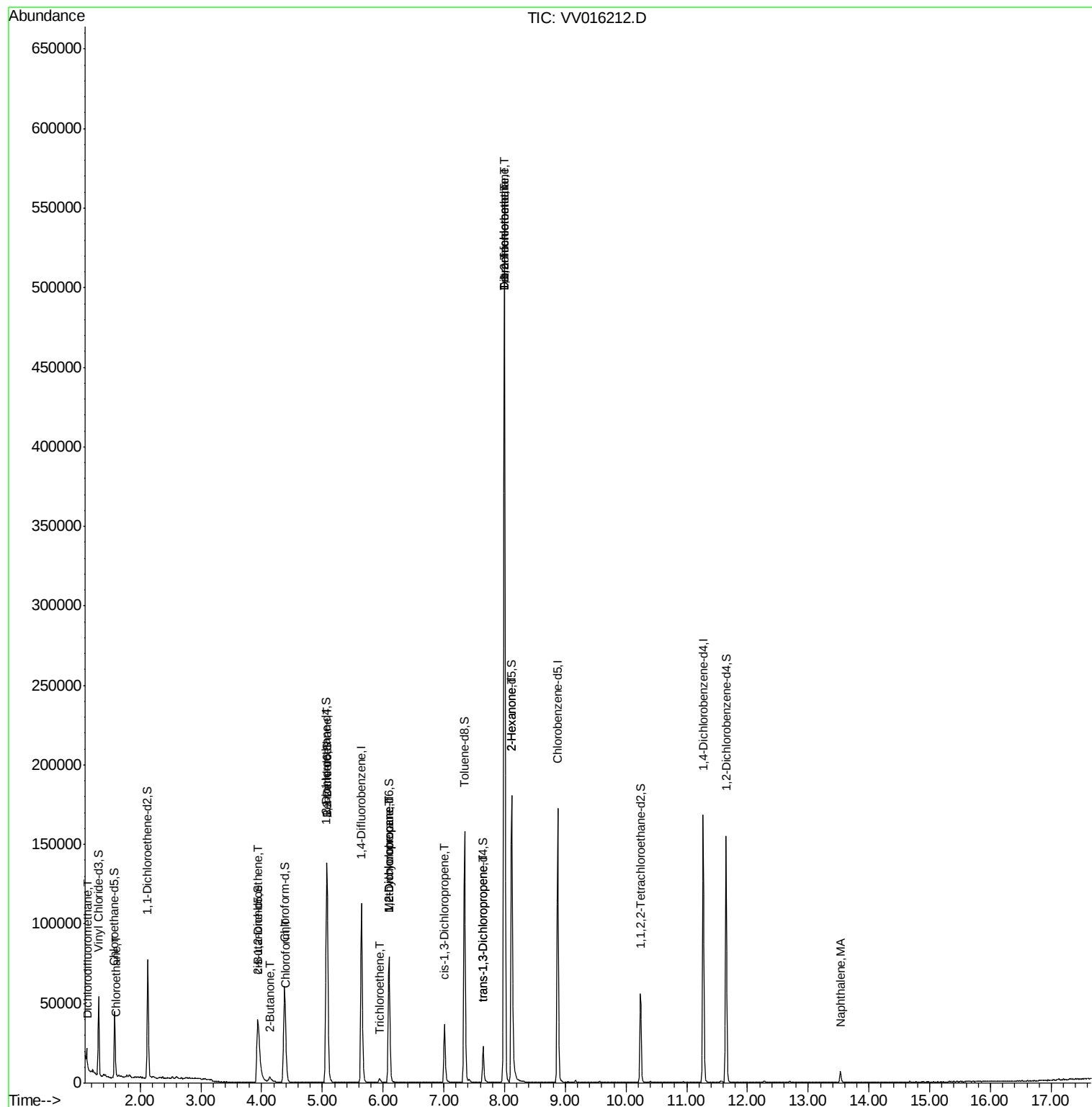
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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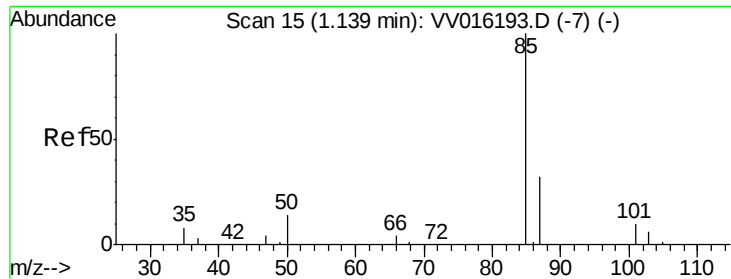
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.106 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

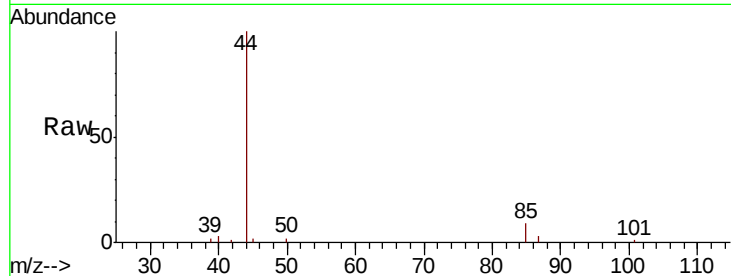
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 838

Ion Ratio Lower Upper

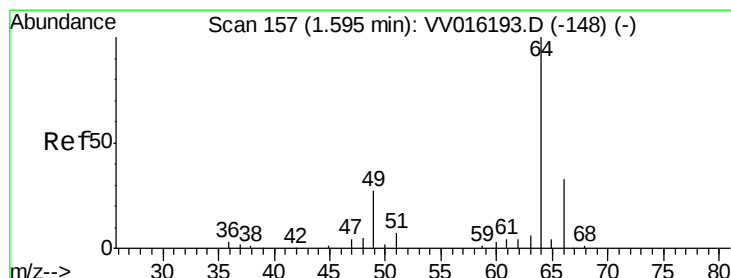
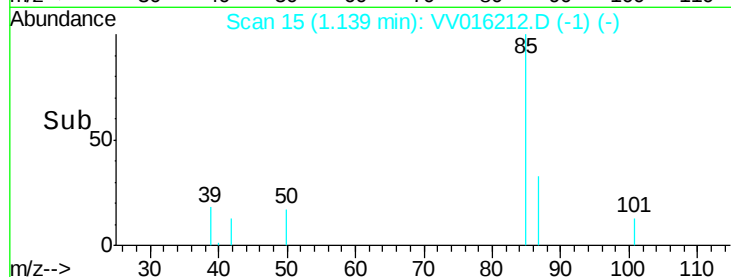
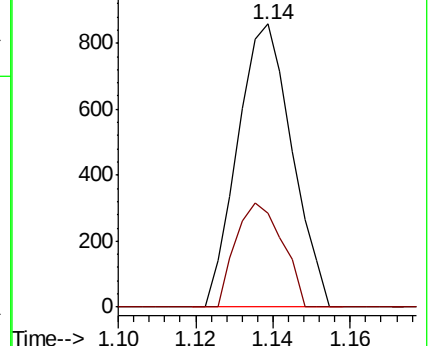
85 100

87 31.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#8

Chloroethane

Concen: 0.328 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VV016212.D

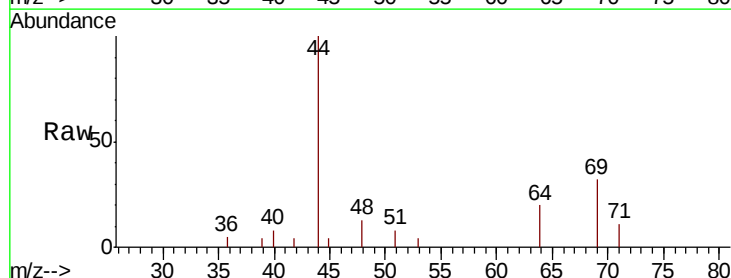
Acq: 27 May 2020 00:00

Tgt Ion: 64 Resp: 1444

Ion Ratio Lower Upper

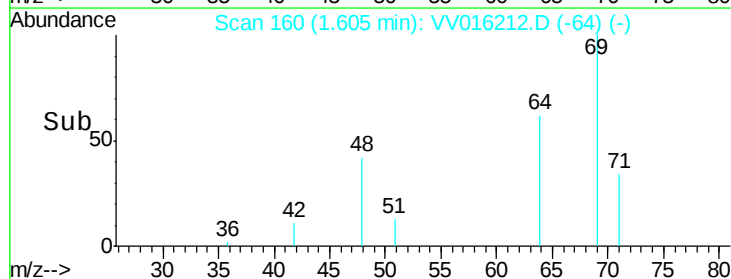
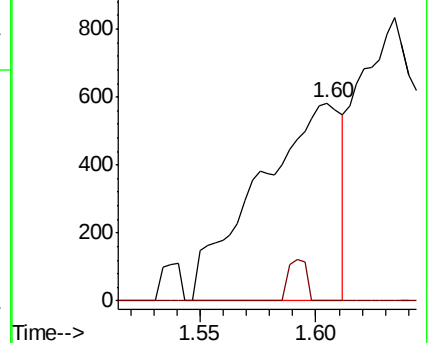
64 100

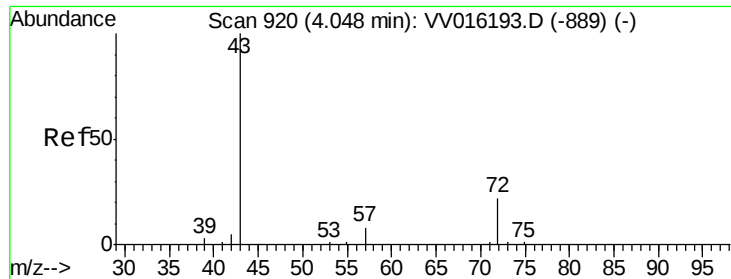
66 0.0 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#21

2-Butanone

Concen: 2.905 ug/L

RT: 4.13 min Scan# 946

Delta R.T. 0.08 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

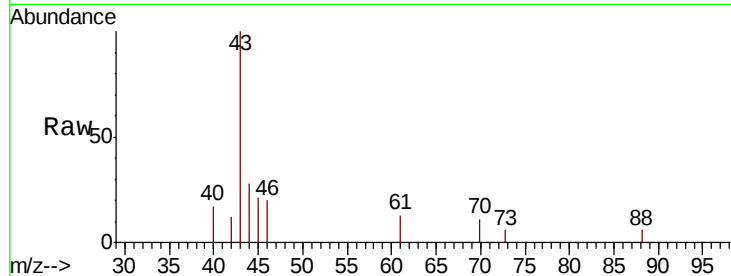
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4584

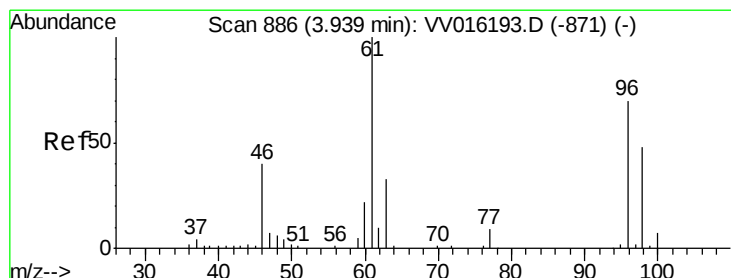
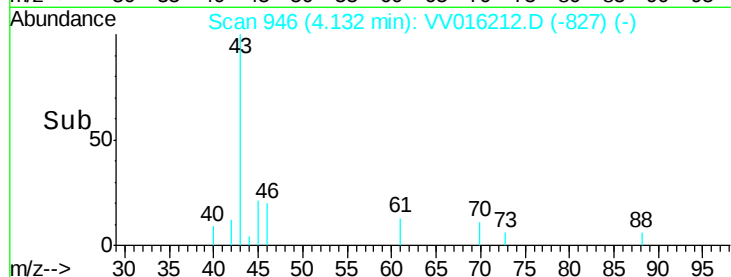
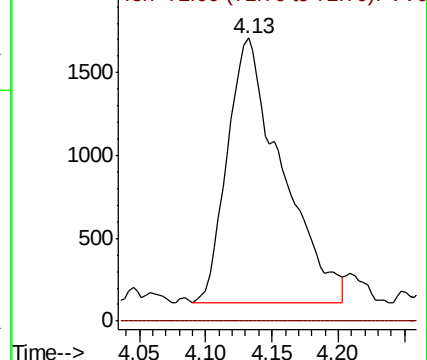
Ion Ratio Lower Upper

43 100

72 0.0 9.7 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.066 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

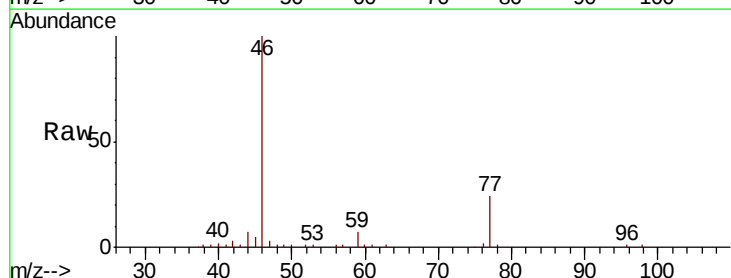
Tgt Ion: 96 Resp: 453

Ion Ratio Lower Upper

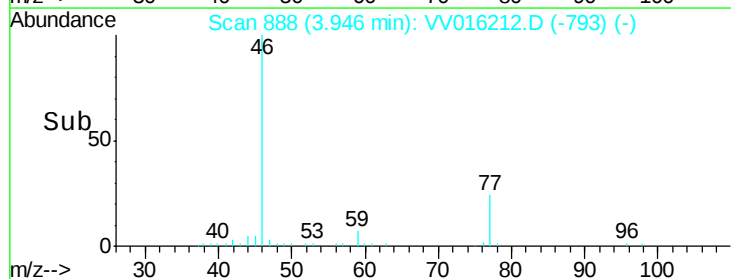
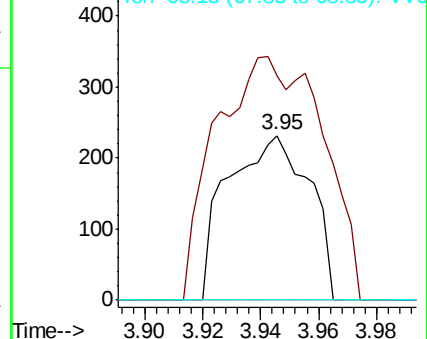
96 100

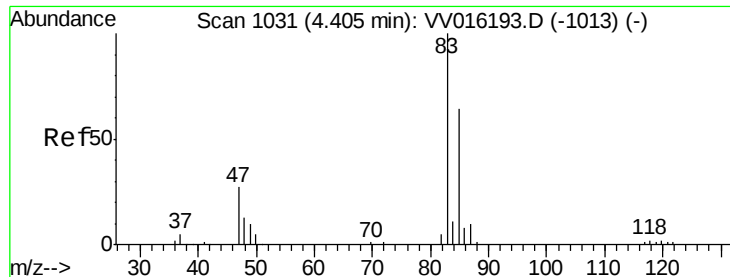
61 136.6 99.7 185.1

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

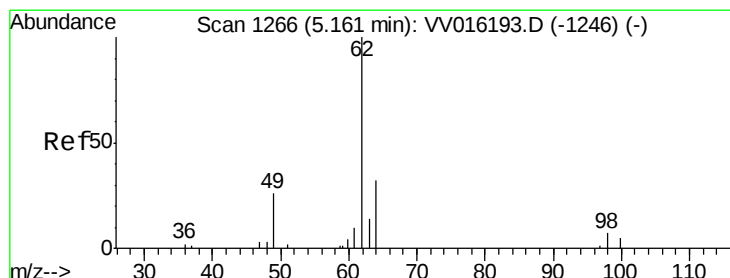
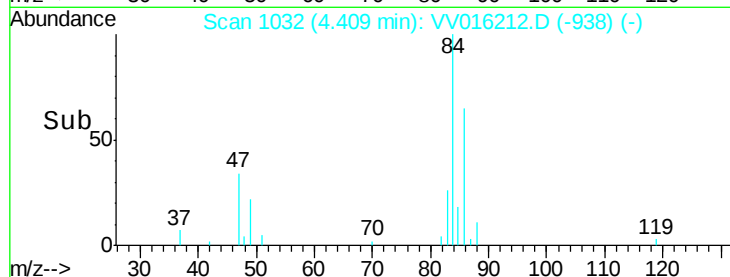
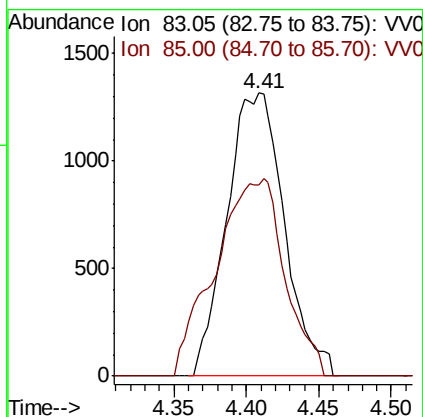
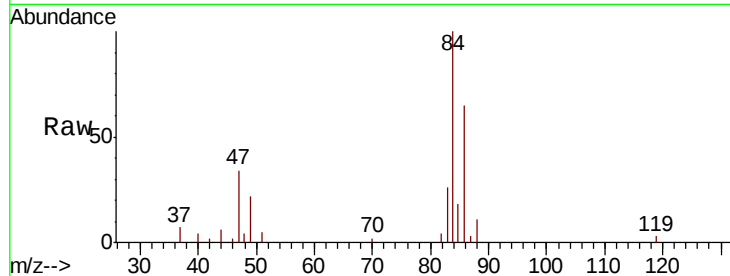




#25
Chloroform
Concen: 0.311 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV016212.D
Acq: 27 May 2020 00:00

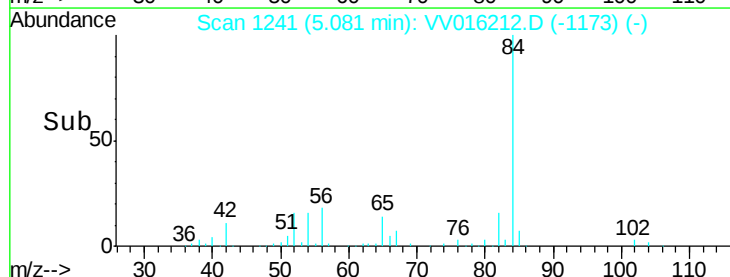
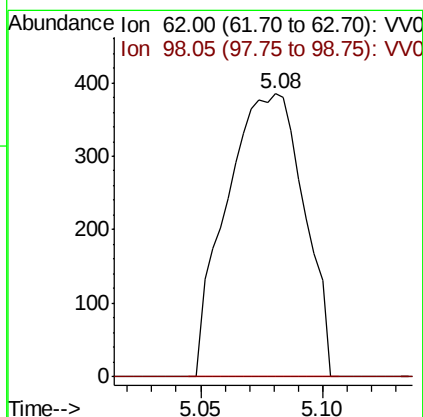
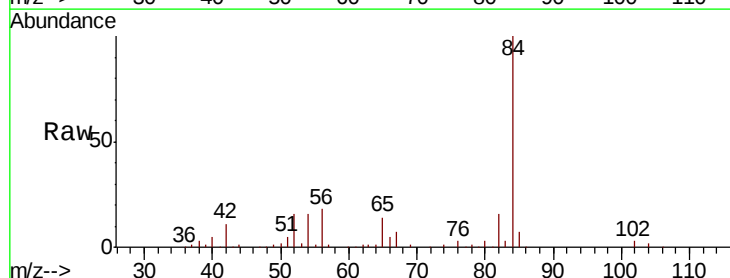
Instrument :
MSVOA_V
ClientSampled :

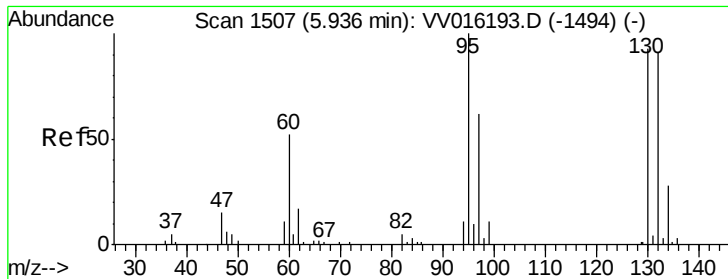
Tot Ion: 83 Resp: 3632
Ion Ratio Lower Upper
83 100
85 67.5 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.110 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.08 min
Lab File: VV016212.D
Acq: 27 May 2020 00:00

Tgt Ion: 62 Resp: 843
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#34

Trichloroethene

Concen: 0.115 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 753

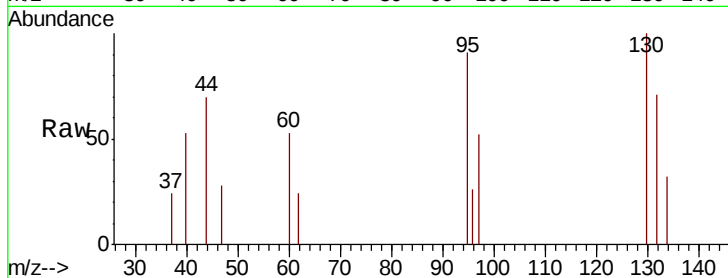
Ion Ratio Lower Upper

95 100

97 57.1 43.6 81.0

132 78.1 63.9 118.7

130 110.3 65.2 121.0

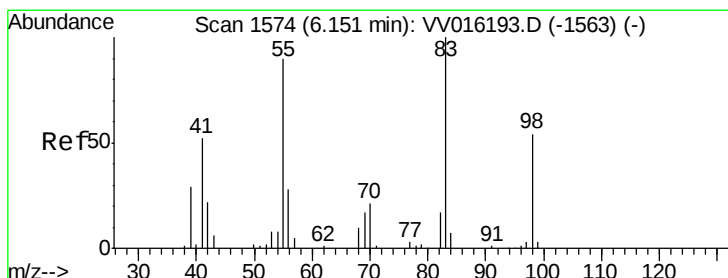
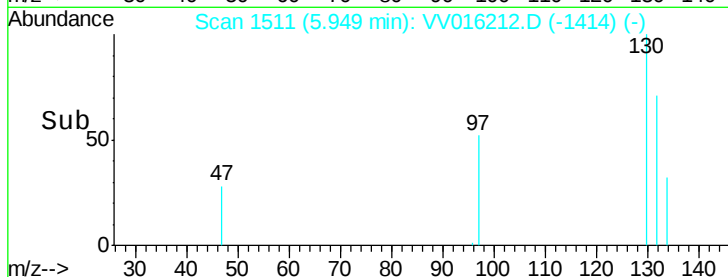
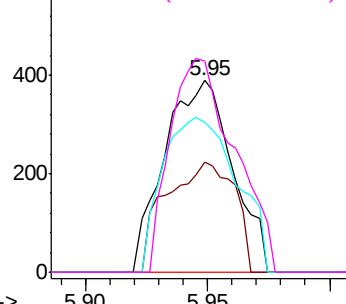


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.799 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

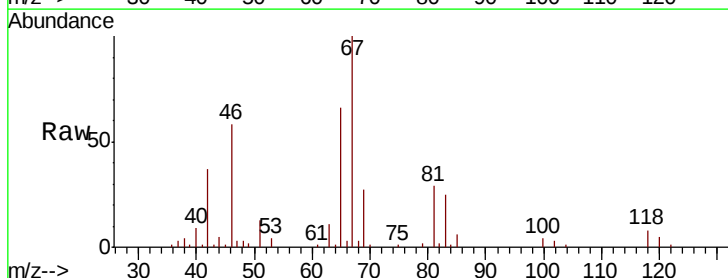
Tgt Ion: 83 Resp: 8785

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

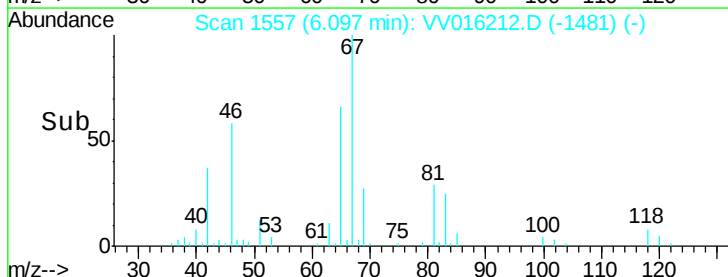
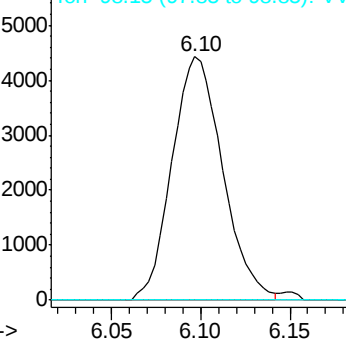
98 1.3 39.3 58.9#

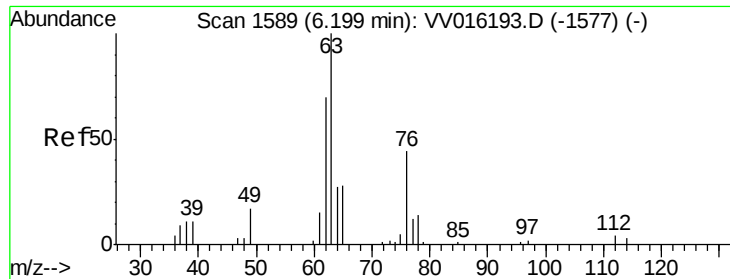


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

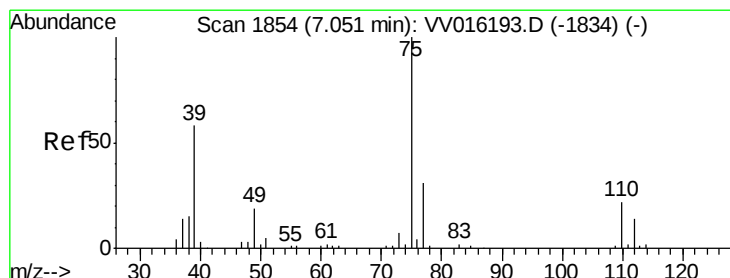
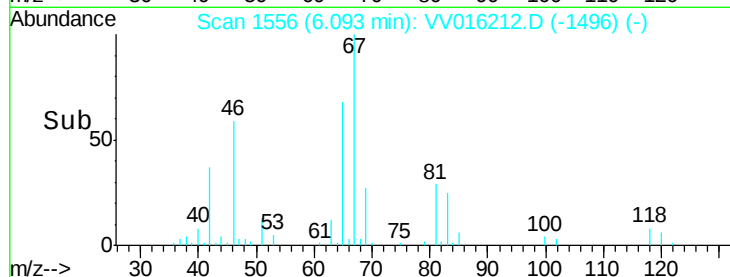
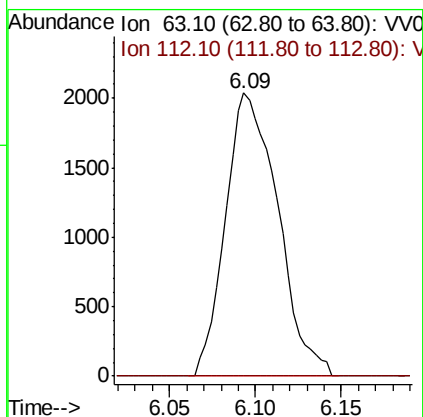
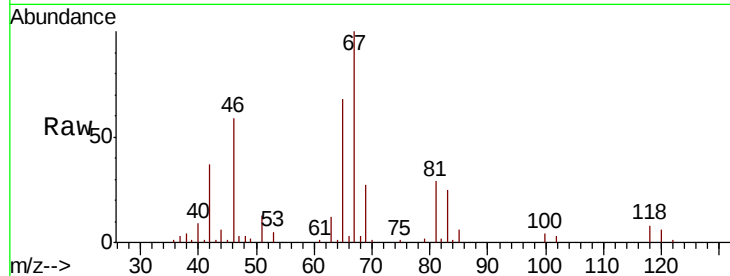




#37
 1,2-Dichloropropane
 Concen: 0.702 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV016212.D
 Acq: 27 May 2020 00:00

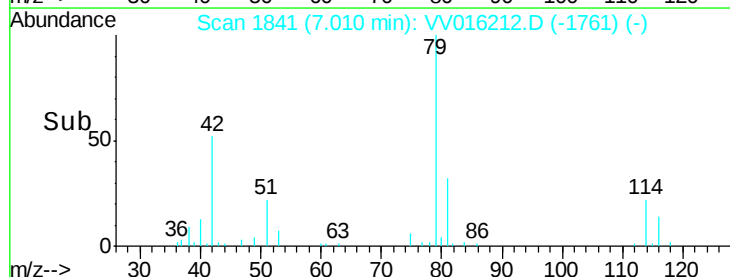
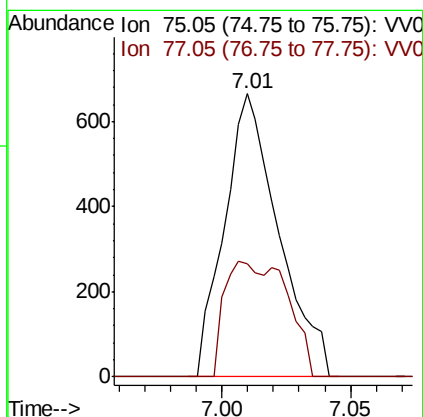
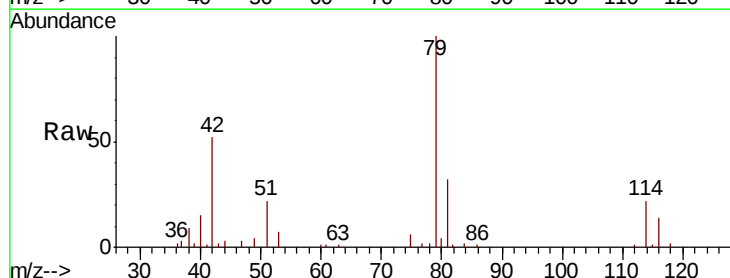
Instrument :
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 ClientSampleId :

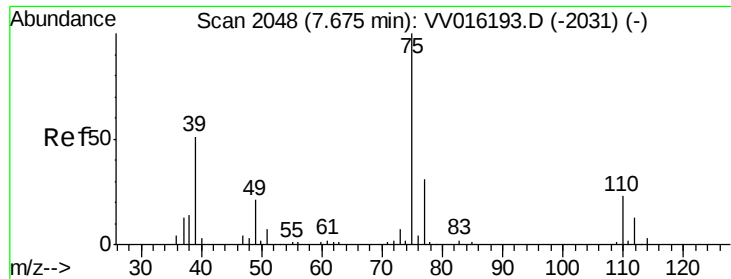
Tot Ion: 63 Resp: 4311
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016212.D
 Acq: 27 May 2020 00:00

Tgt Ion: 75 Resp: 975
 Ion Ratio Lower Upper
 75 100
 77 40.2 21.7 40.3





#46

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

Instrument :

MSVOA_V

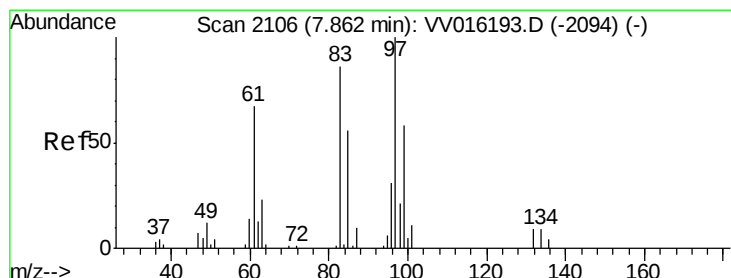
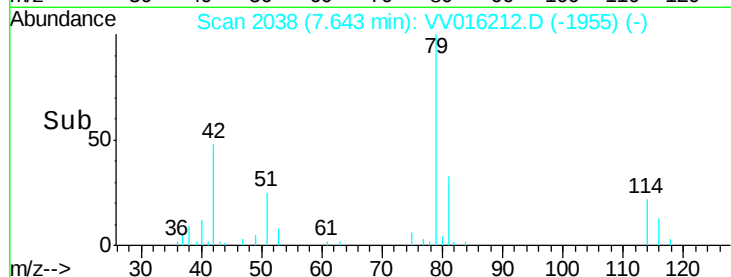
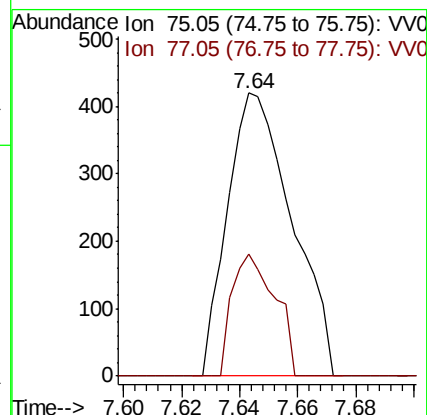
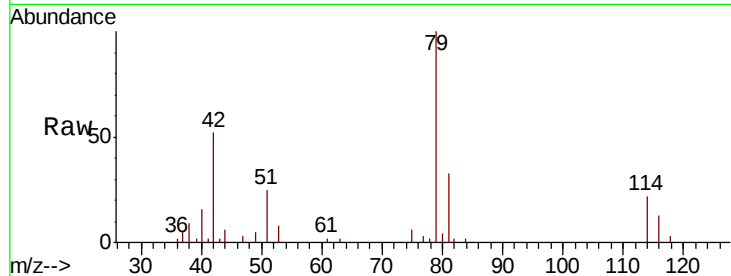
ClientSampleId :

Tot Ion: 75 Resp: 647

Ion Ratio Lower Upper

75 100

77 42.9 21.7 40.3#



#47

1,1,2-Trichloroethane

Concen: 0.293 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

Tgt Ion: 97 Resp: 1182

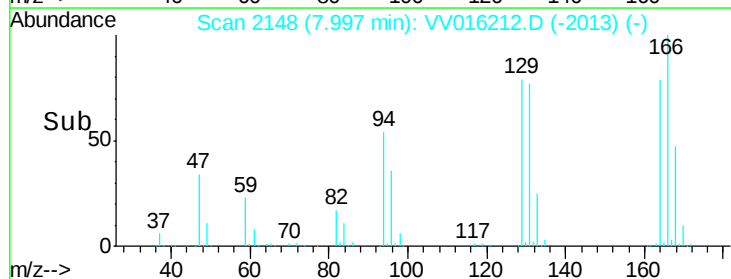
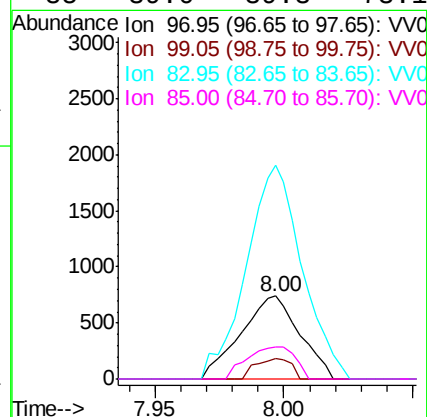
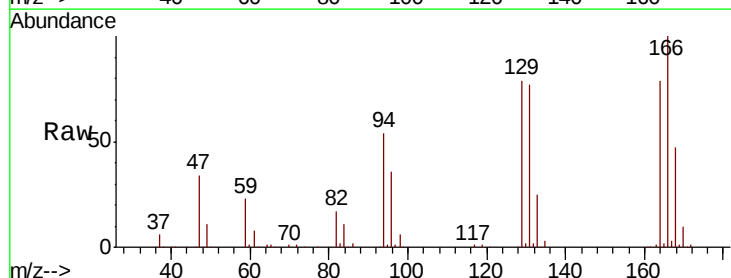
Ion Ratio Lower Upper

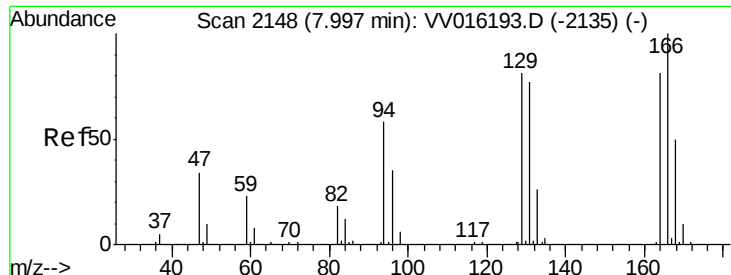
97 100

99 24.5 40.8 75.8#

83 258.3 60.0 111.4#

85 39.0 39.3 73.1#





#49

Tetrachloroethene

Concen: 23.294 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 109063

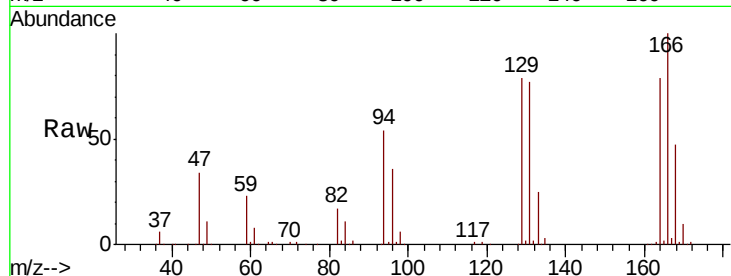
Ion Ratio Lower Upper

164 100

129 100.0 70.7 131.3

131 97.0 66.6 123.8

166 126.4 86.9 161.5

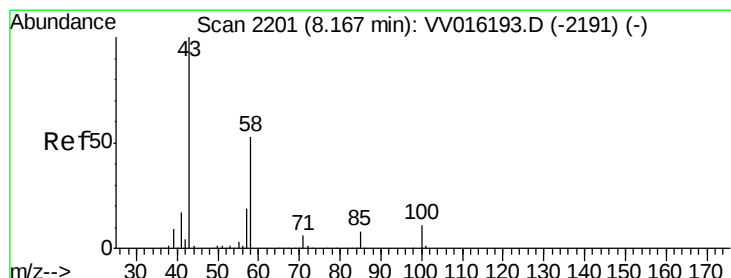
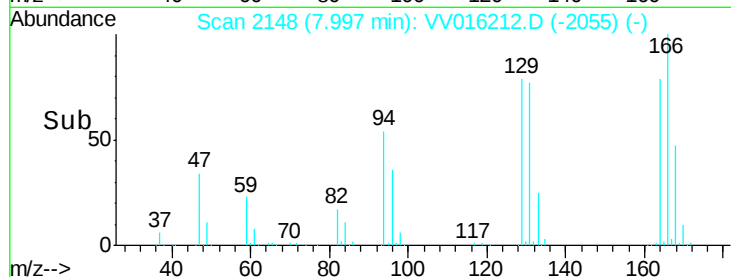
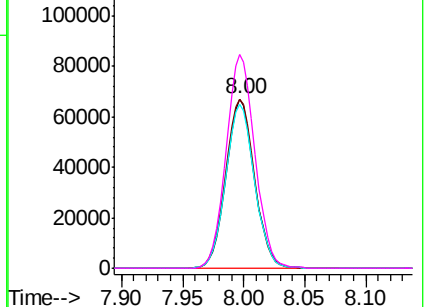


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.212 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016212.D

Acq: 27 May 2020 00:00

Tgt Ion: 43 Resp: 8557

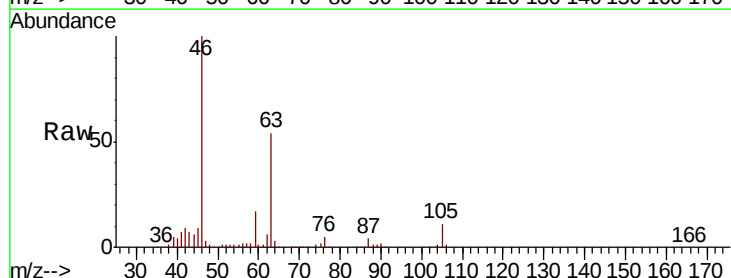
Ion Ratio Lower Upper

43 100

58 33.7 41.4 62.0#

57 27.0 15.0 22.4#

100 0.0 9.0 13.4#

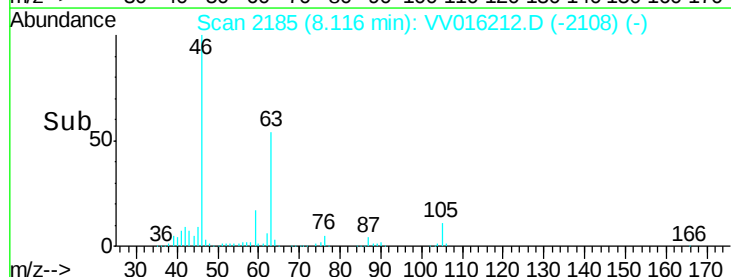
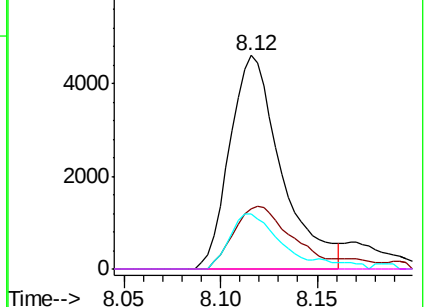


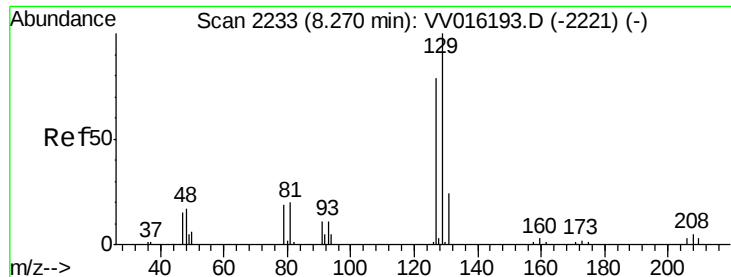
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

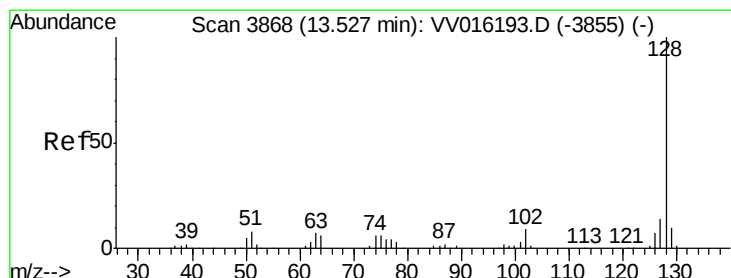
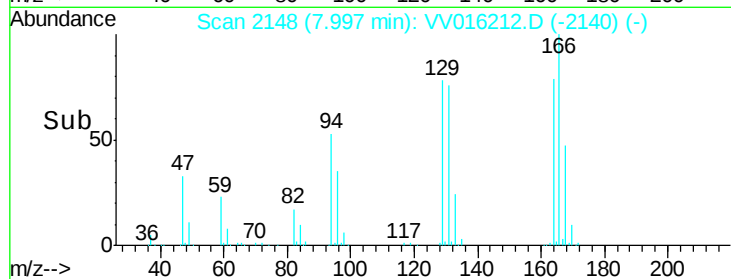
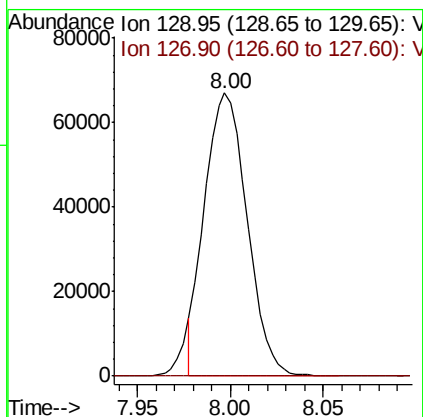
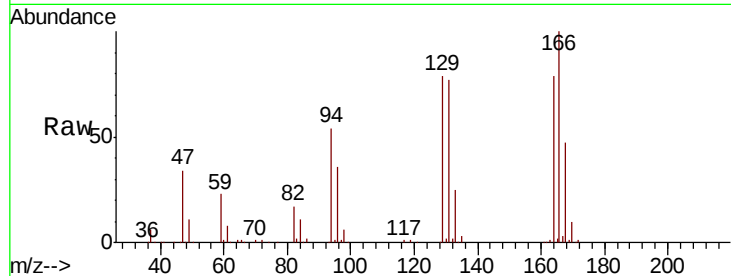




#51
Dibromochloromethane
Concen: 24.644 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV016212.D
Acq: 27 May 2020 00:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 105409
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



#70
Naphthalene
Concen: 0.356 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.00 min
Lab File: VV016212.D
Acq: 27 May 2020 00:00

Tgt Ion:128 Resp: 5714
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 11.0 10.6 15.8

