

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015719.D
 Acq On : 27 Apr 2020 11:19
 Operator : SY/MD
 Sample : L2416-01DL 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:18:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 28 02:16:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	133292	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	128827	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60051	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27382	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.57	69	28288	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.12	63	44444	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	3.94	46	110582	49.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.88%
24) Chloroform-d	4.38	84	74366	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	43606	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.07	84	139577	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.09	67	45265	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.34	98	122799	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.65	79	15085	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.11	63	76263	41.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32970	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	48635	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

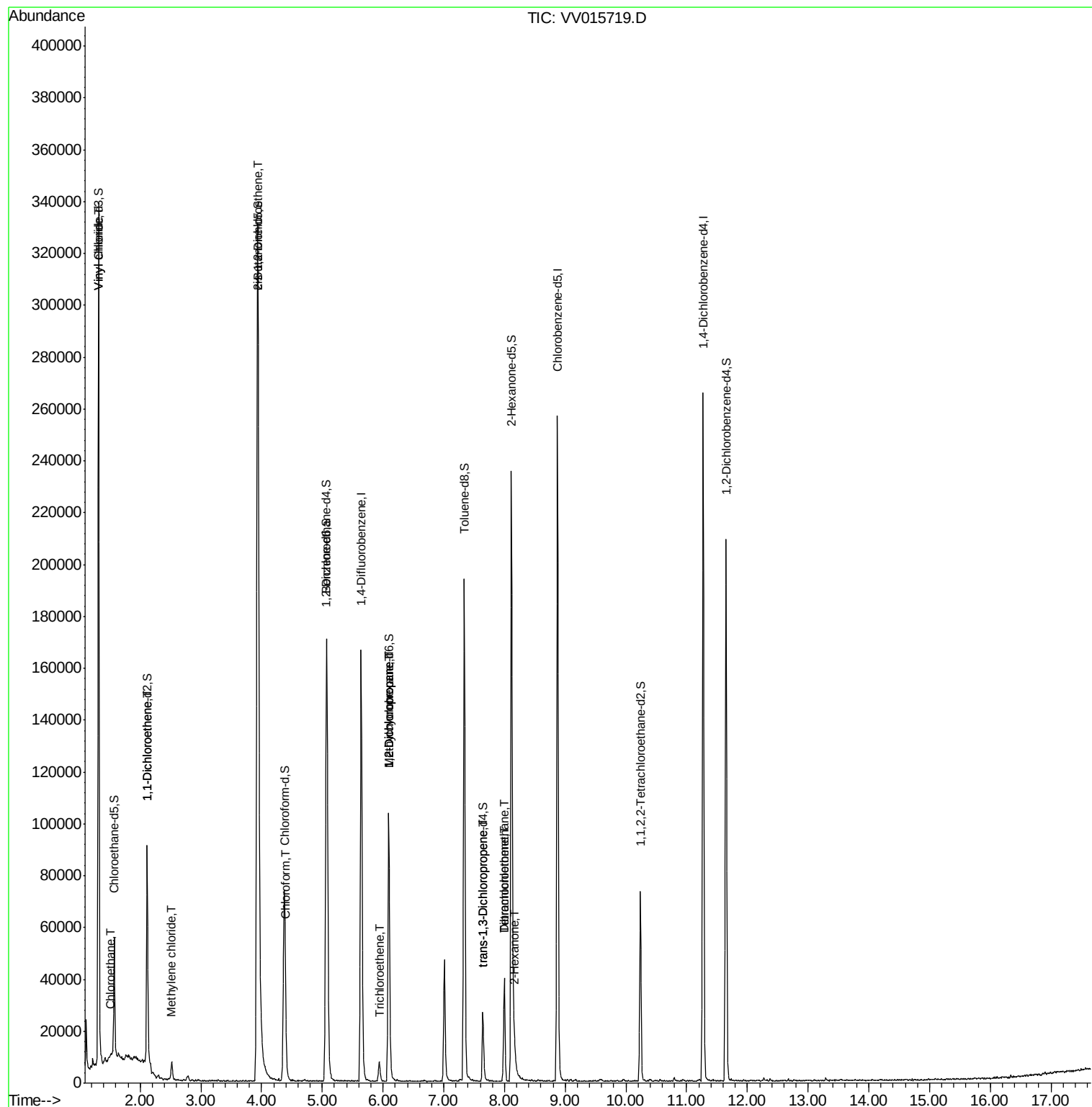
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	178511	16.922	ug/L	99
8) Chloroethane	1.52	64	8102	1.169	ug/L #	56
12) 1,1-Dichloroethene	2.12	96	729	0.094	ug/L #	1
16) Methylene chloride	2.52	84	2573	0.269	ug/L	93
22) cis-1,2-Dichloroethene	3.94	96	154989	16.138	ug/L	98
25) Chloroform	4.40	83	2743	0.151	ug/L	90
34) Trichloroethene	5.94	95	2107	0.207	ug/L	89
35) Methylcyclohexane	6.10	83	11385	0.730	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5856	0.626	ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	889	0.081	ug/L #	68
47) Tetrachloroethene	8.00	164	8072	1.103	ug/L	95
48) 2-Hexanone	8.17	43	6359	1.469	ug/L #	92
49) Dibromochloromethane	7.99	129	8309	1.259	ug/L #	12

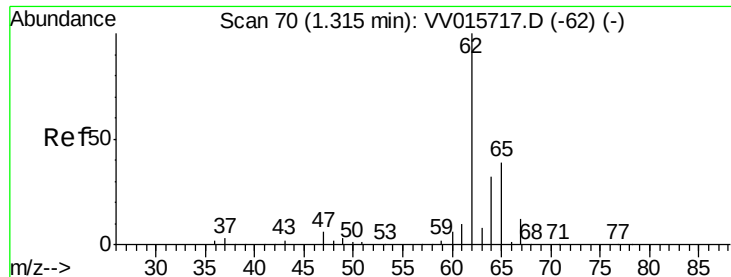
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 16.922 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015719.D

Acq: 27 Apr 2020 11:19

Instrument :

MSVOA_V

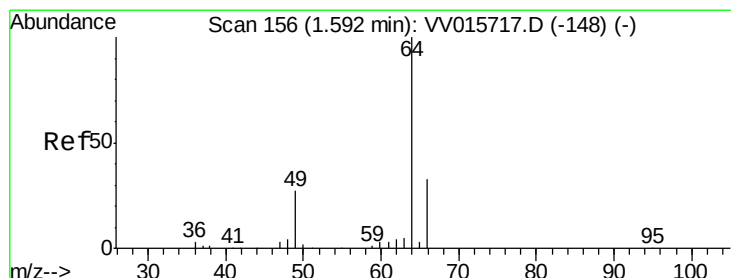
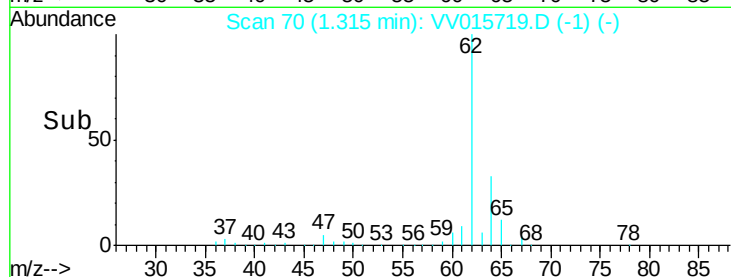
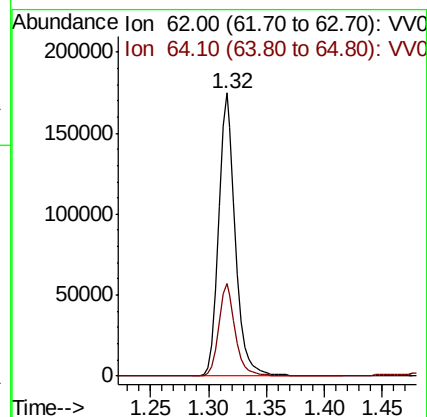
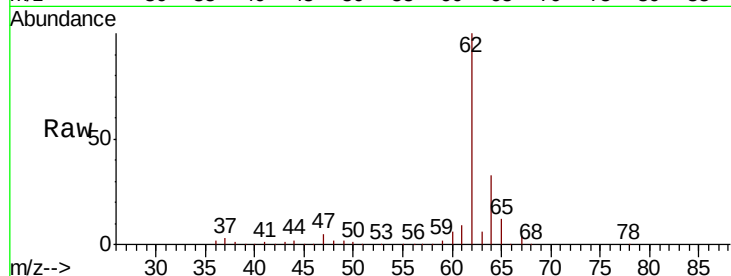
ClientSampled :

Tot Ion: 62 Resp: 178511

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



#8

Chloroethane

Concen: 1.169 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.07 min

Lab File: VV015719.D

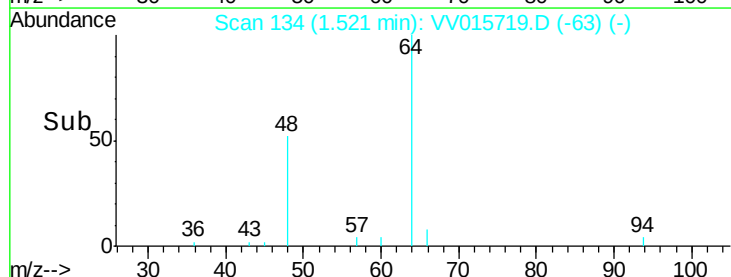
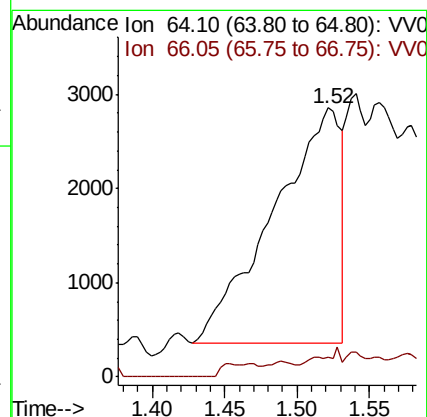
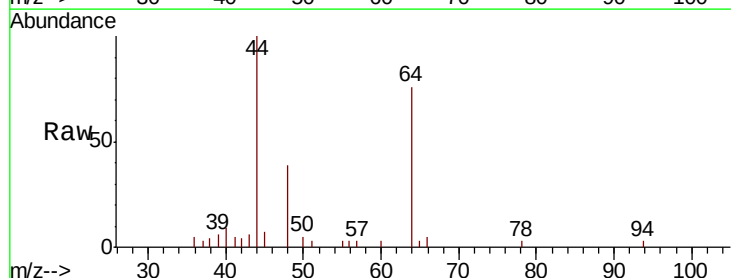
Acq: 27 Apr 2020 11:19

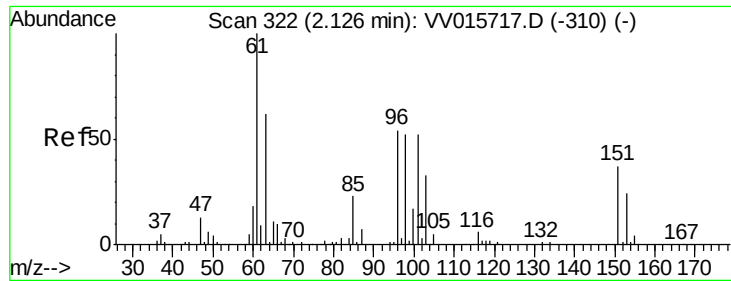
Tgt Ion: 64 Resp: 8102

Ion Ratio Lower Upper

64 100

66 7.1 22.3 41.5#

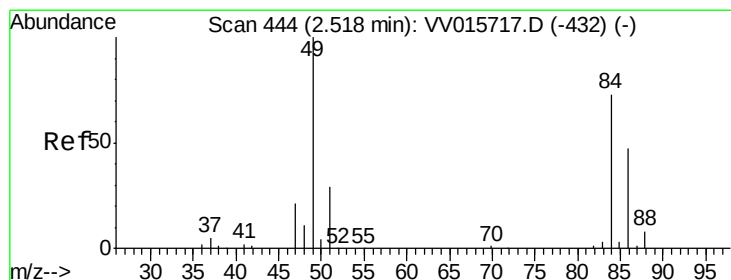
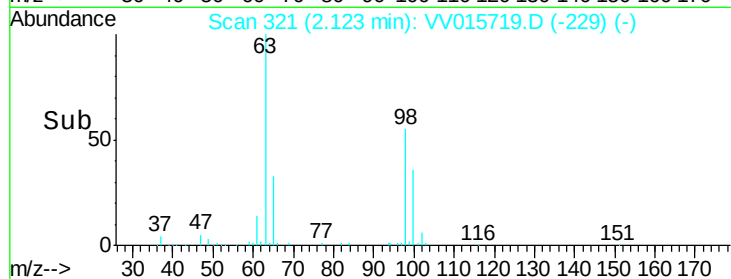
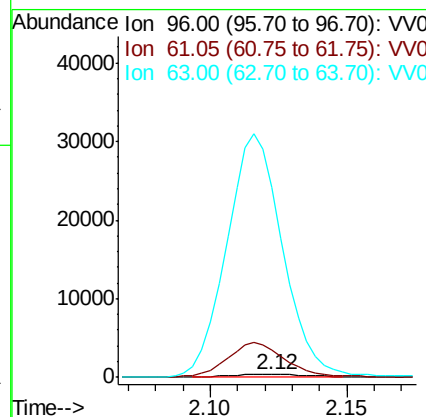
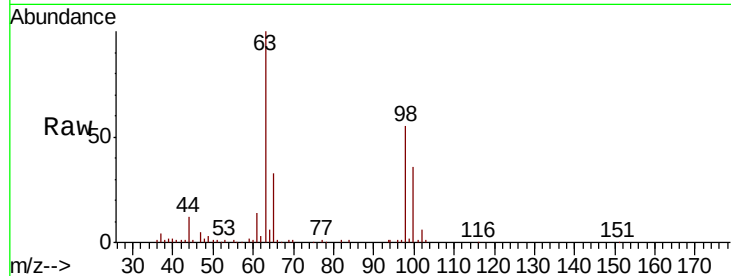




#12
 1,1-Dichloroethene
 Concen: 0.094 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VV015719.D
 Acq: 27 Apr 2020 11:19

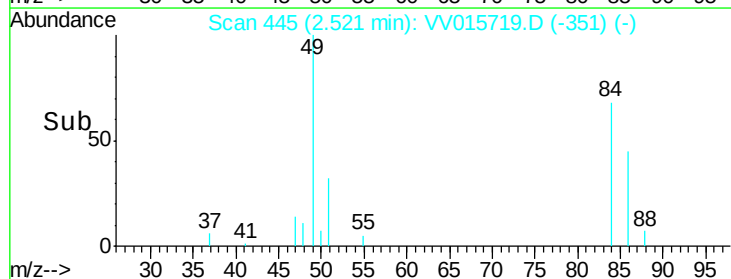
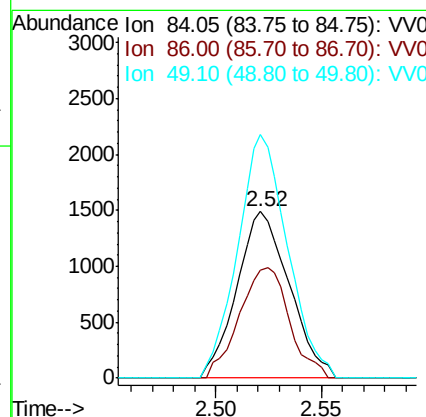
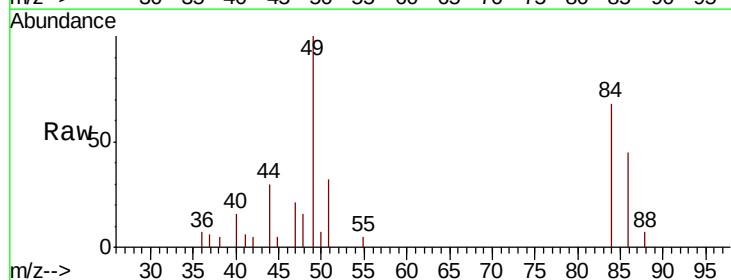
Instrument :
 MSVOA_V
 ClientSampleId :

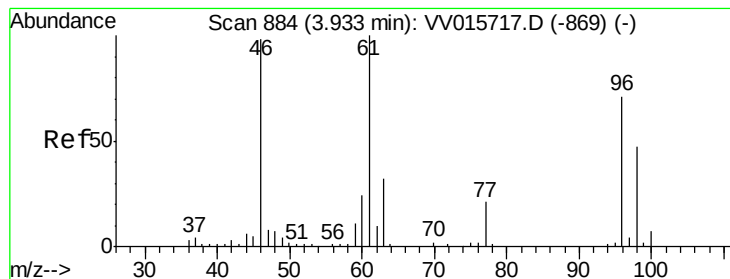
Tot Ion: 96 Resp: 729
 Ion Ratio Lower Upper
 96 100
 61 985.8 130.1 241.7#
 63 6826.1 91.4 169.8#



#16
 Methylene chloride
 Concen: 0.269 ug/L
 RT: 2.52 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VV015719.D
 Acq: 27 Apr 2020 11:19

Tgt Ion: 84 Resp: 2573
 Ion Ratio Lower Upper
 84 100
 86 65.2 45.1 83.7
 49 146.1 94.4 175.4



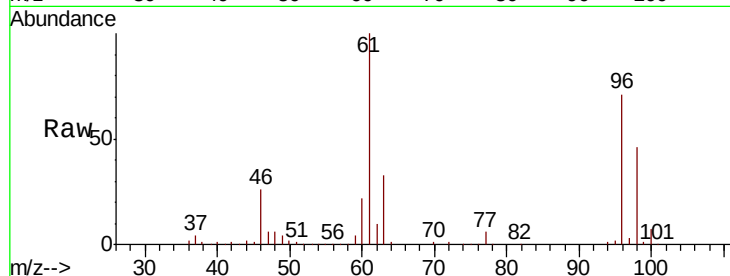


#22

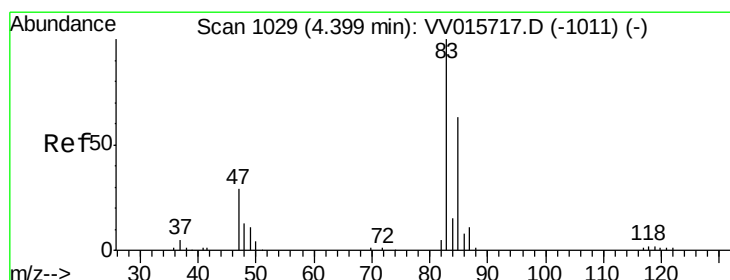
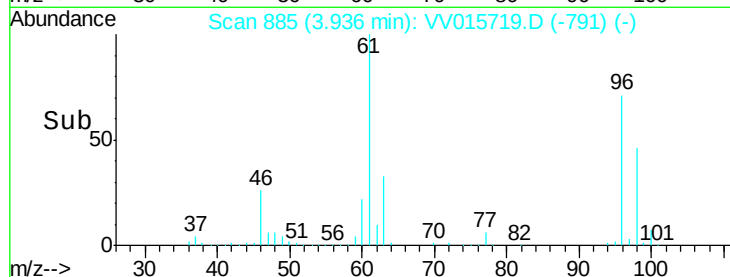
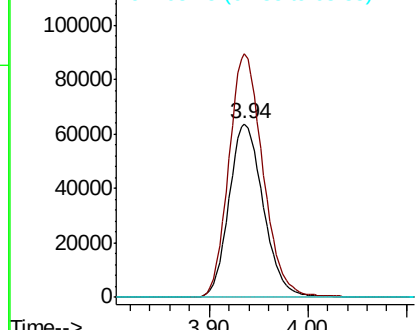
cis-1,2-Dichloroethene
Concen: 16.138 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015719.D
Acq: 27 Apr 2020 11:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 154989
Ion Ratio Lower Upper
96 100
61 140.2 96.4 179.0
68 0.0 0.0 0.0



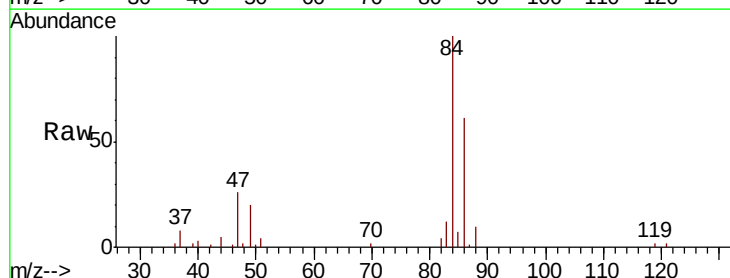
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



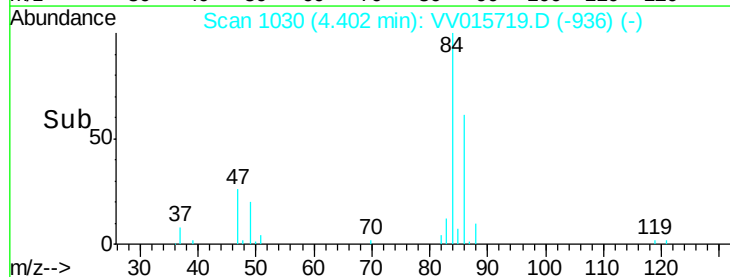
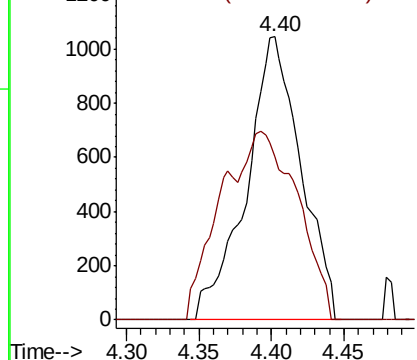
#25

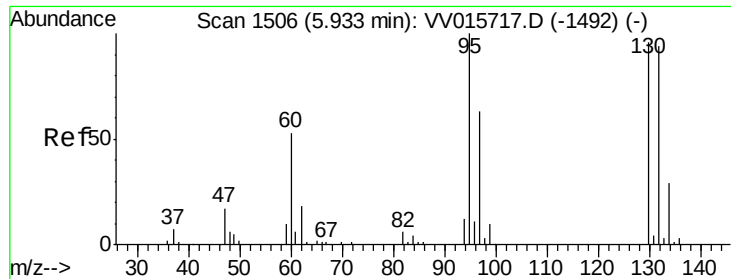
Chloroform
Concen: 0.151 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015719.D
Acq: 27 Apr 2020 11:19

Tgt Ion: 83 Resp: 2743
Ion Ratio Lower Upper
83 100
85 57.6 46.1 85.5



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

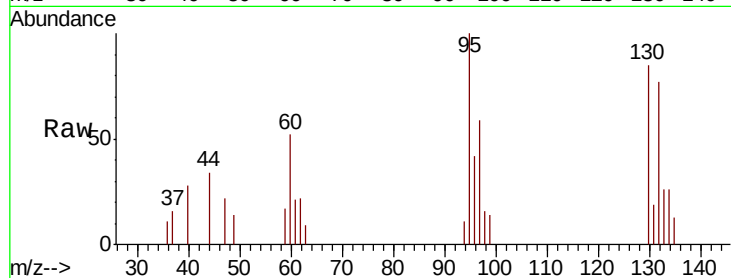




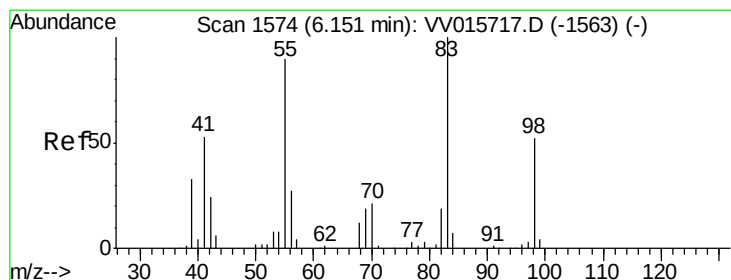
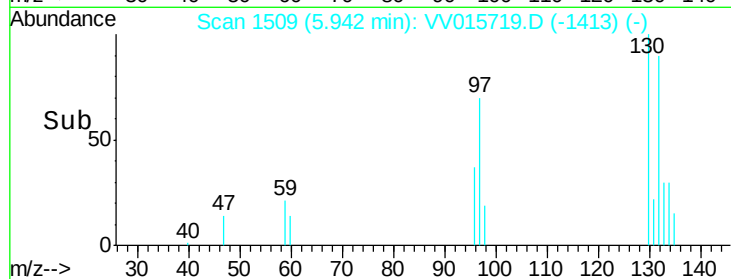
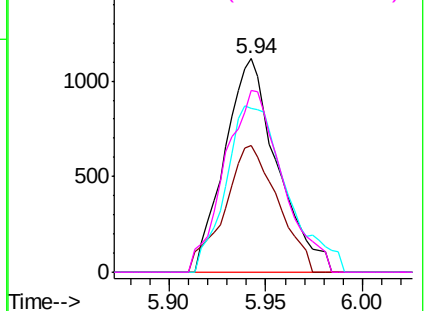
#34
 Trichloroethene
 Concen: 0.207 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015719.D
 Acq: 27 Apr 2020 11:19

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 2107
 Ion Ratio Lower Upper
 95 100
 97 59.2 44.7 82.9
 132 76.5 65.2 121.0
 130 85.0 65.0 120.6

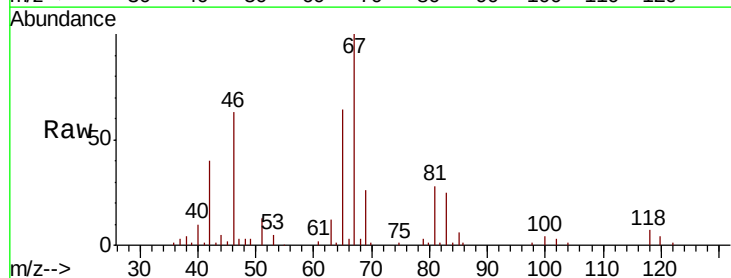


Abundance Ion 95.00 (94.70 to 95.70): VV015719.D (-1492) (-)
 Ion 96.95 (96.65 to 97.65): VV015719.D (-1492) (-)
 Ion 131.95 (131.65 to 132.65): VV015719.D (-1492) (-)
 Ion 129.95 (129.65 to 130.65): VV015719.D (-1492) (-)

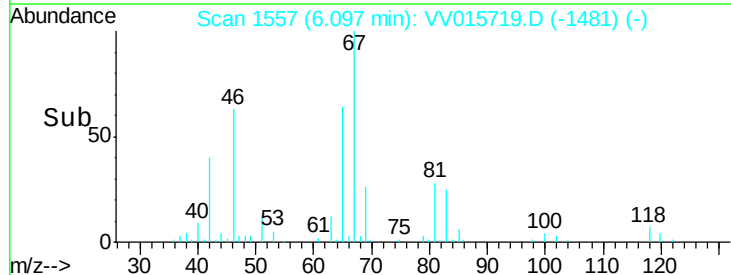
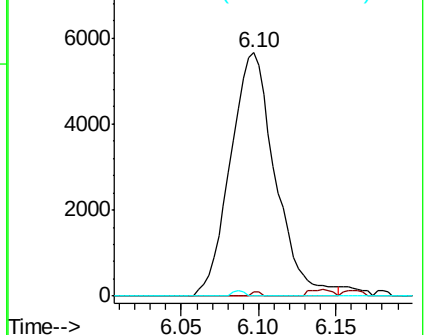


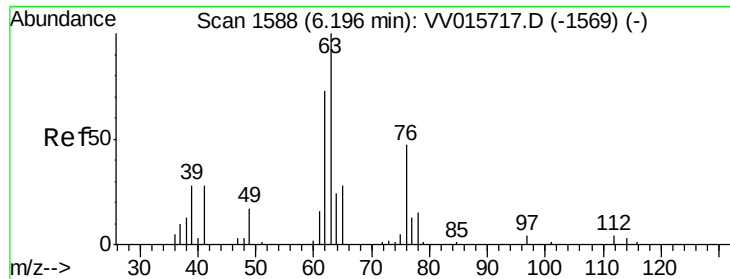
#35
 Methylcyclohexane
 Concen: 0.730 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV015719.D
 Acq: 27 Apr 2020 11:19

Tgt Ion: 83 Resp: 11385
 Ion Ratio Lower Upper
 83 100
 55 0.4 66.6 99.8#
 98 0.6 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VV015719.D (-1481) (-)
 Ion 55.10 (54.80 to 55.80): VV015719.D (-1481) (-)
 Ion 98.15 (97.85 to 98.85): VV015719.D (-1481) (-)

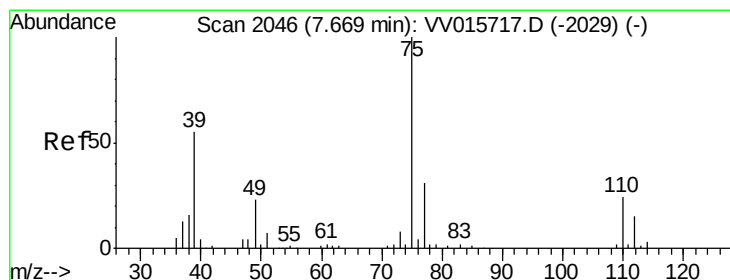
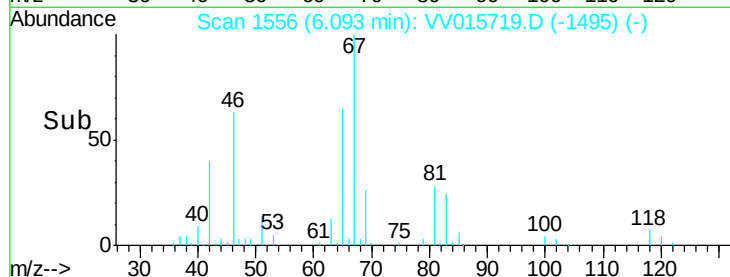
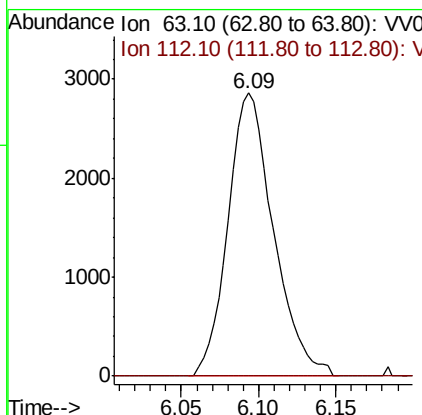
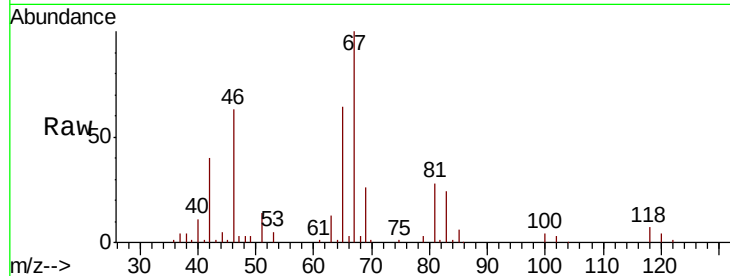




#37
 1,2-Dichloropropane
 Concen: 0.626 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015719.D
 Acq: 27 Apr 2020 11:19

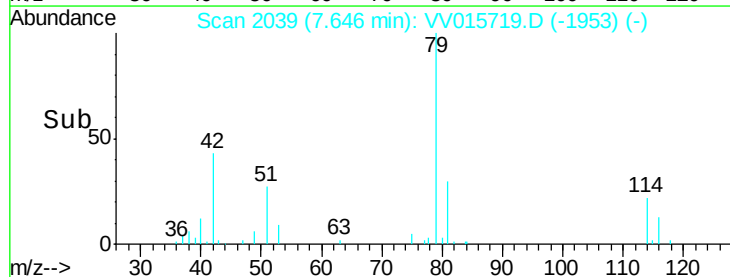
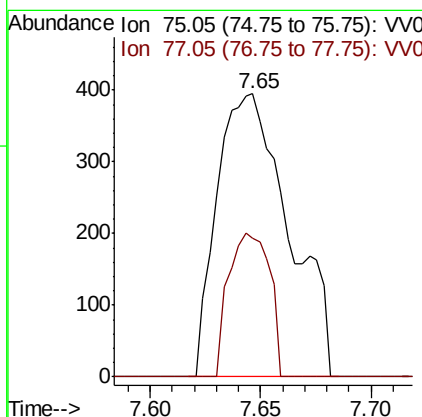
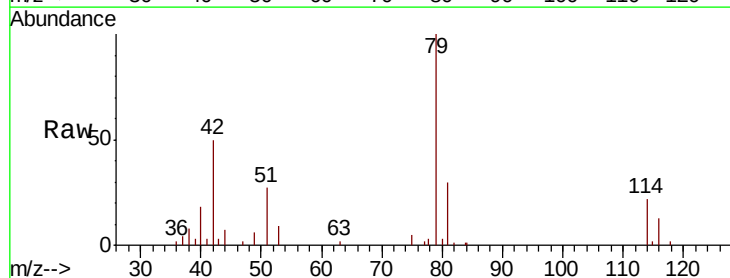
Instrument :
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 ClientSampleId :

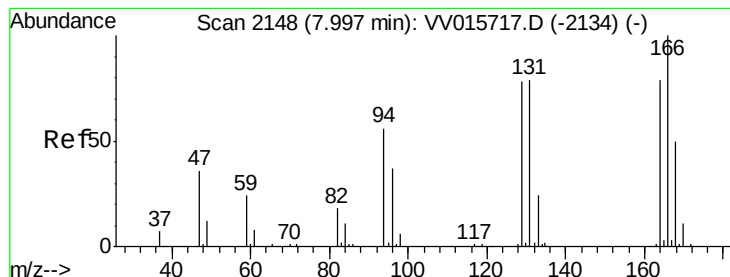
Tot Ion: 63 Resp: 5856
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: VV015719.D
 Acq: 27 Apr 2020 11:19

Tgt Ion: 75 Resp: 889
 Ion Ratio Lower Upper
 75 100
 77 49.1 21.8 40.6#





#47

Tetrachloroethene

Concen: 1.103 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015719.D

Acq: 27 Apr 2020 11:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 8072

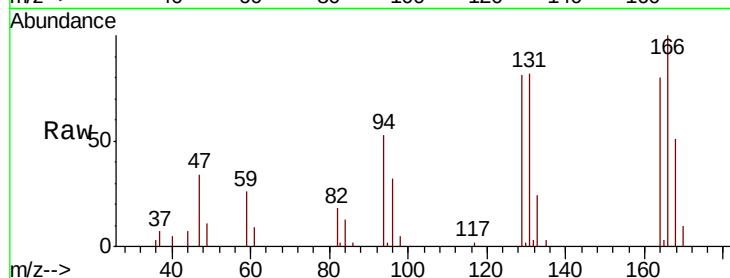
Ion Ratio Lower Upper

164 100

129 101.4 66.7 123.9

131 102.8 66.6 123.6

166 124.8 85.3 158.5

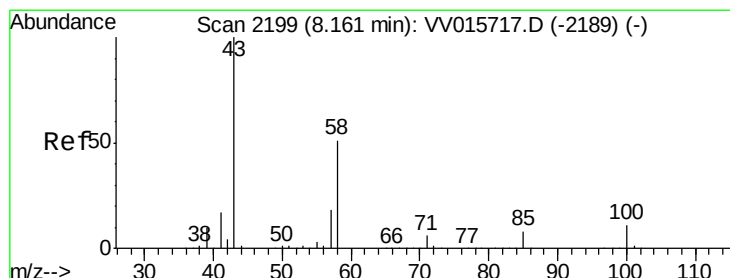
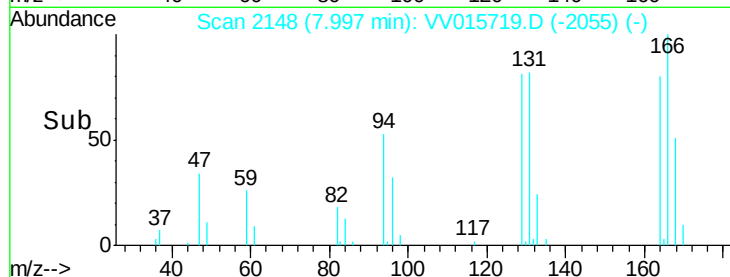
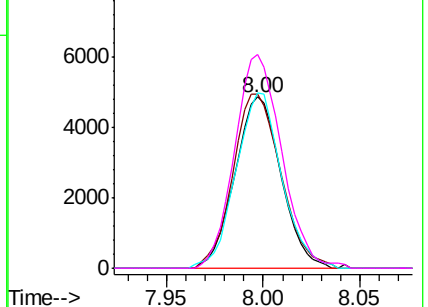


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.469 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV015719.D

Acq: 27 Apr 2020 11:19

Tgt Ion: 43 Resp: 6359

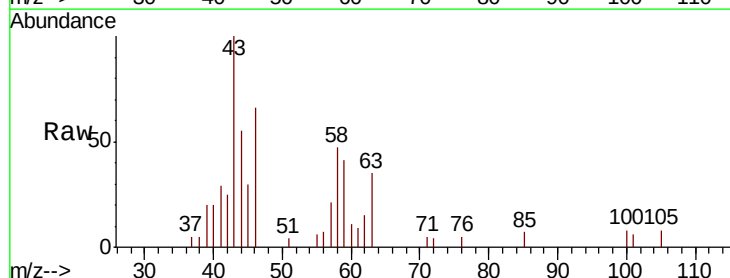
Ion Ratio Lower Upper

43 100

58 45.4 41.1 61.7

57 16.8 15.0 22.4

100 6.2 9.0 13.4#

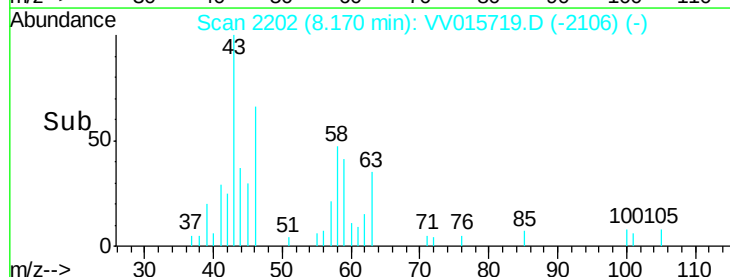
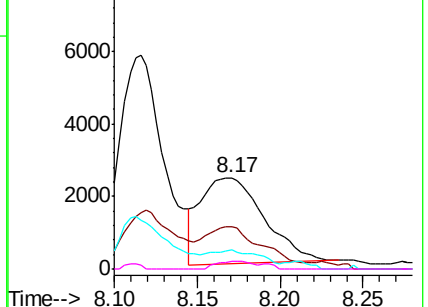


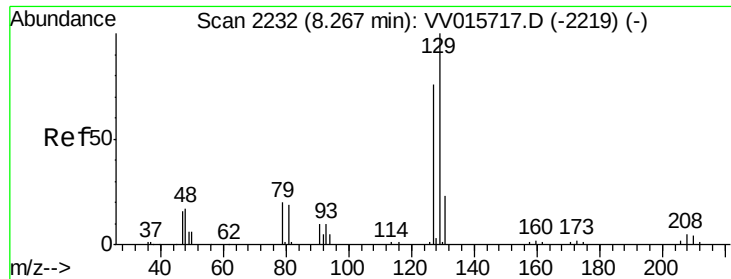
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 1.259 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV015719.D

Acq: 27 Apr 2020 11:19

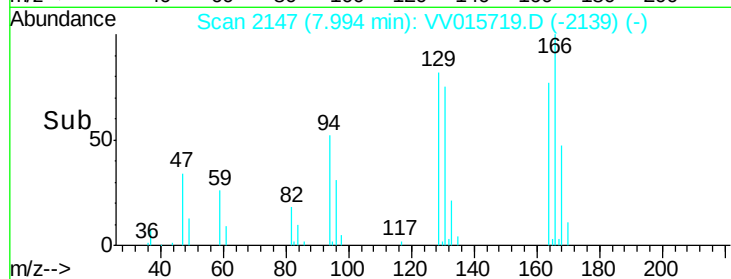
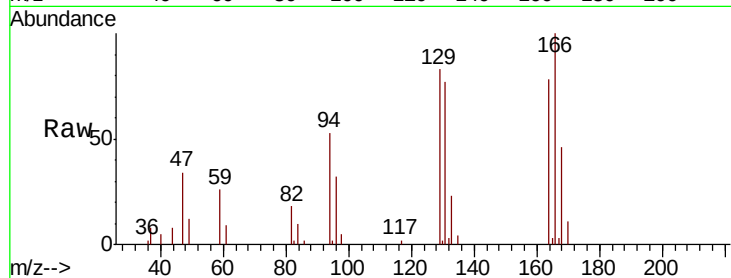
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 8309

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

