

Data File : VV012615.D
Acq On : 06 Sep 2019 23:05
Operator : SY/MD
Sample : K4685-06DL 5X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD75DL

Quant Time: Sep 07 01:13:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143821	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143862	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	48696	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62308	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	64540	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	107459	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.97	46	146543	55.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.72%
24) Chloroform-d	4.40	84	104390	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.08	65	58456	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.10	84	188225	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.12	67	64428	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.36	98	140601	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.66	79	17597	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.14	63	76978	49.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43199	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	46521	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

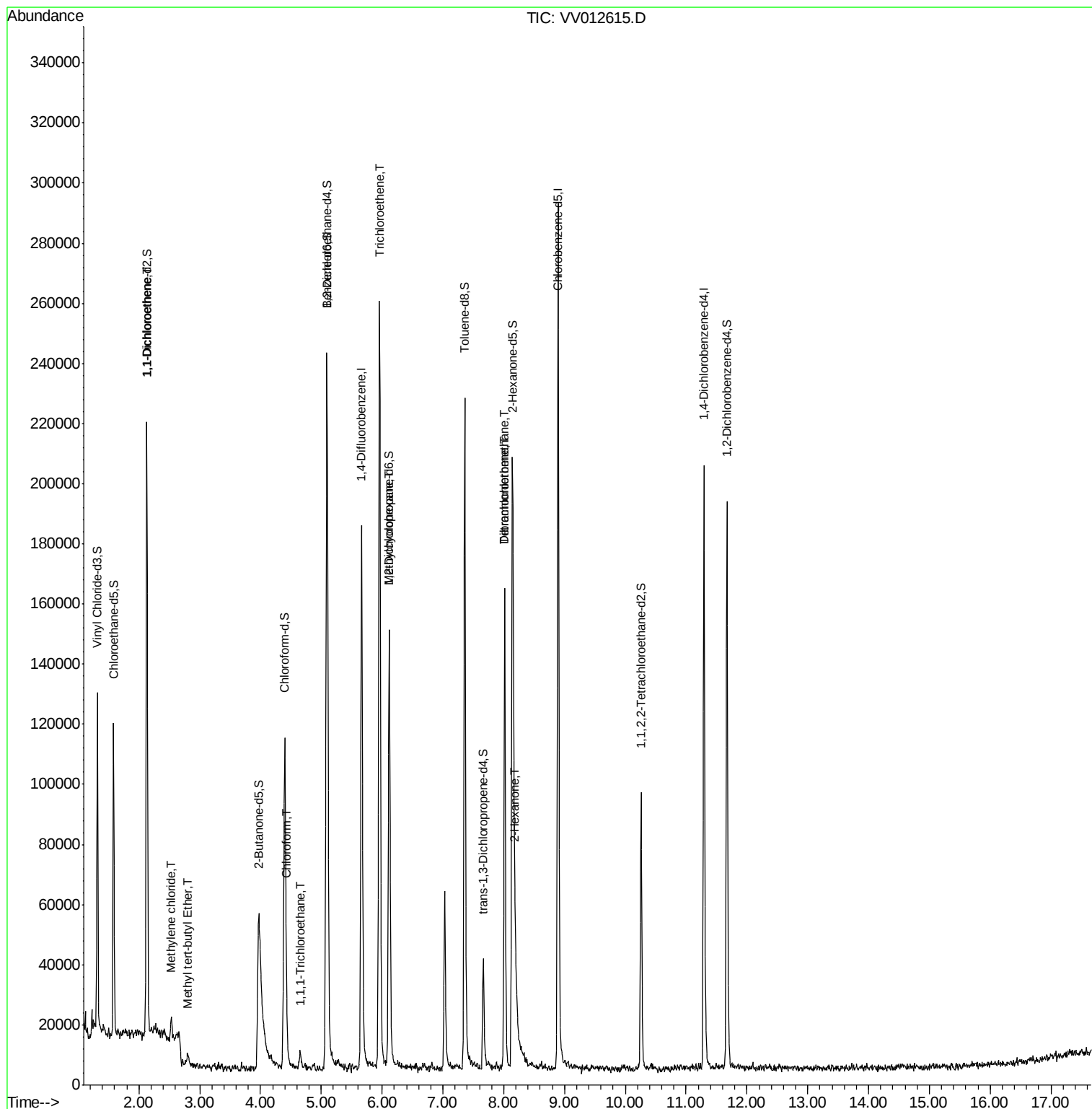
					Qvalue
12) 1,1-Dichloroethene	2.14	96	6500	0.379 ug/L #	1
16) Methylene chloride	2.53	84	3029	0.153 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	2584	0.093 ug/L #	76
25) Chloroform	4.43	83	5414	0.191 ug/L	80
29) 1,1,1-Trichloroethane	4.66	97	3263	0.154 ug/L	92
34) Trichloroethene	5.96	95	83116	5.729 ug/L	97
35) Methylcyclohexane	6.12	83	15897	0.734 ug/L #	15
47) Tetrachloroethene	8.02	164	30603	2.894 ug/L	87
48) 2-Hexanone	8.19	43	17748	3.091 ug/L #	79
49) Dibromochloromethane	8.02	129	30256	2.885 ug/L #	12

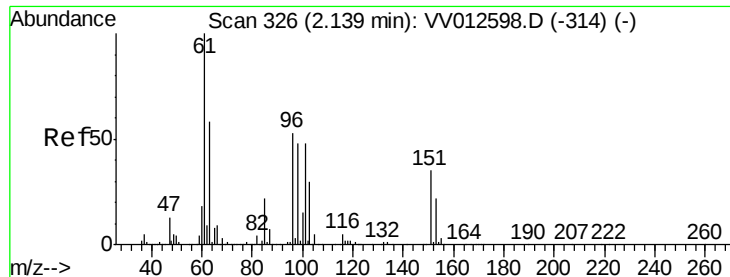
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.379 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012615.D

Acq: 06 Sep 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

BFD75DL

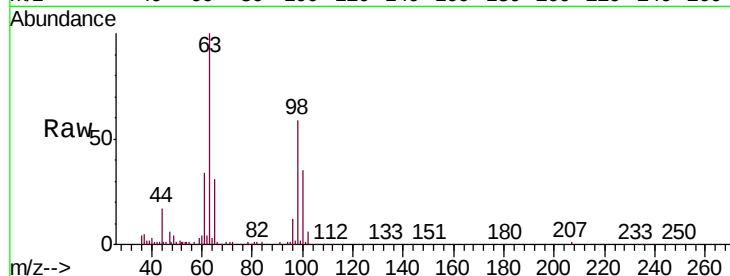
Tgt Ion: 96 Resp: 6500

Ion Ratio Lower Upper

96 100

61 283.2 132.7 246.5#

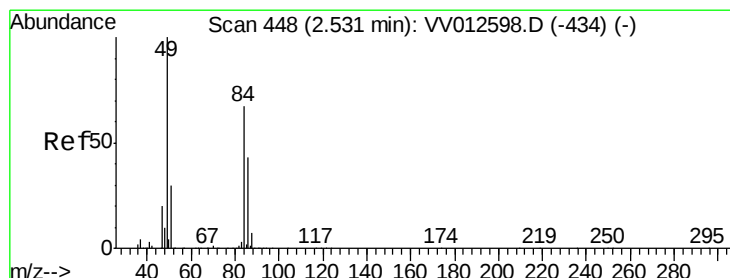
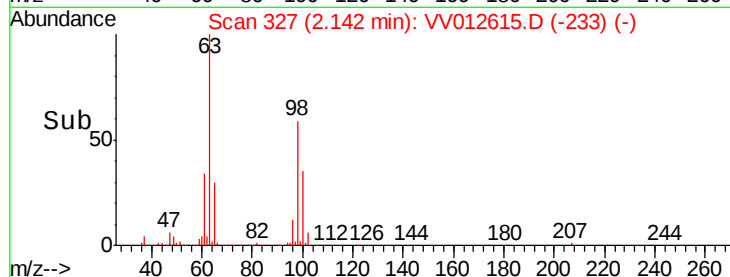
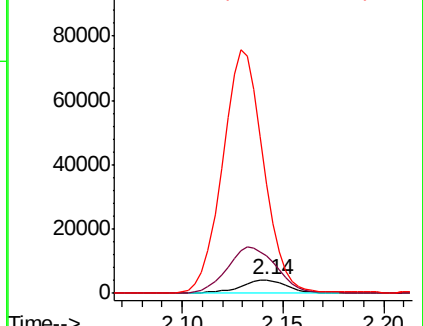
63 824.2 84.1 156.1#



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: 0.153 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

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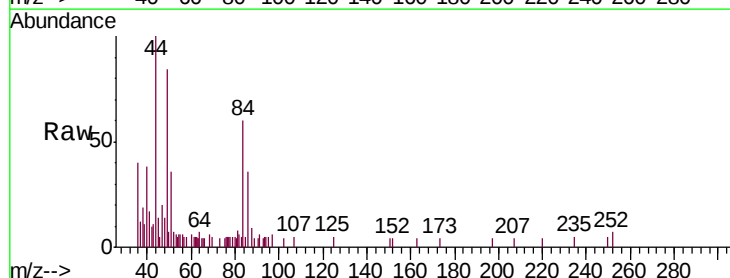
Tgt Ion: 84 Resp: 3029

Ion Ratio Lower Upper

84 100

86 60.1 43.6 81.0

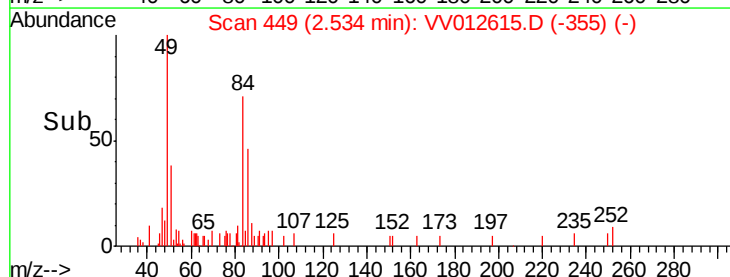
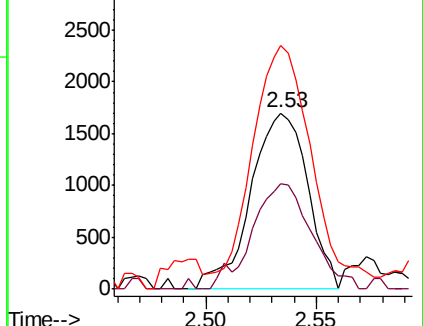
49 149.3 103.0 191.2

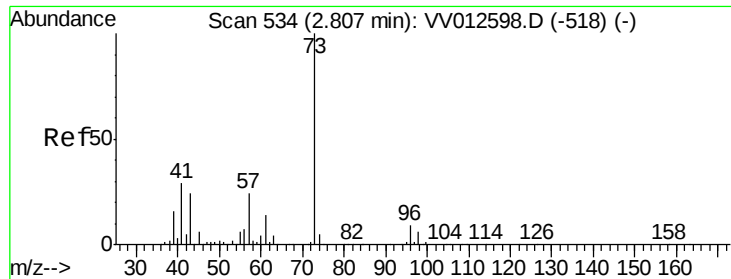


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

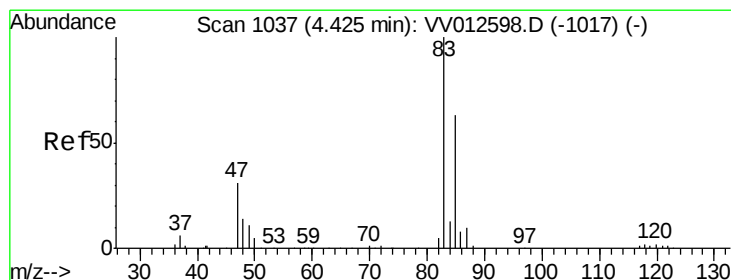
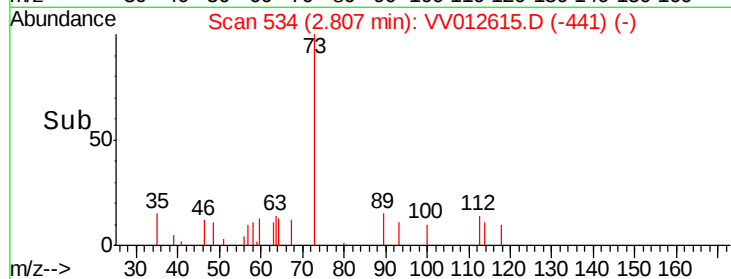
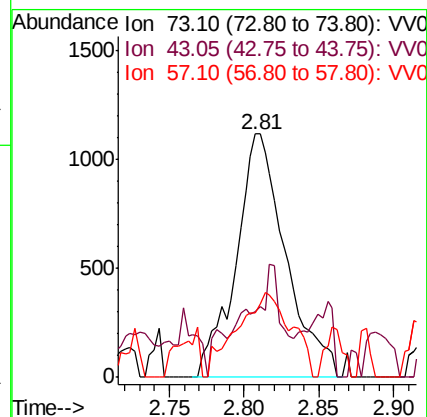
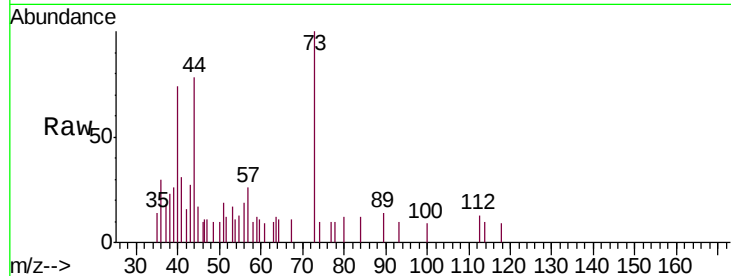




#17
Methyl tert-butyl Ether
Concen: 0.093 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012615.D
Acq: 06 Sep 2019 23:05

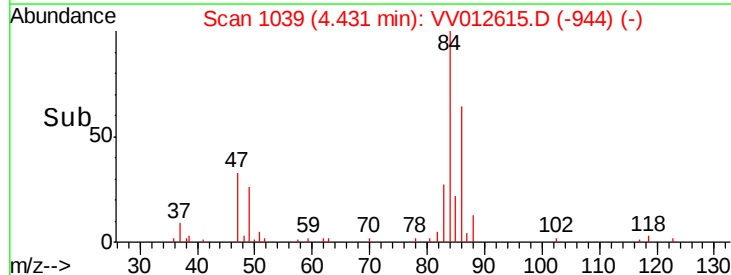
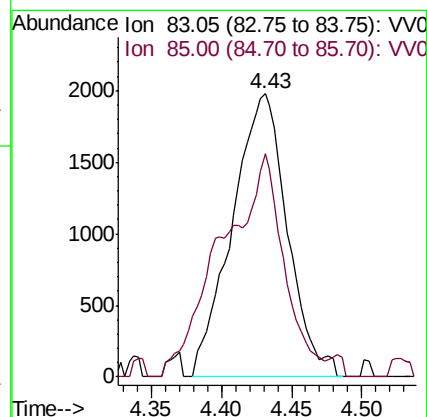
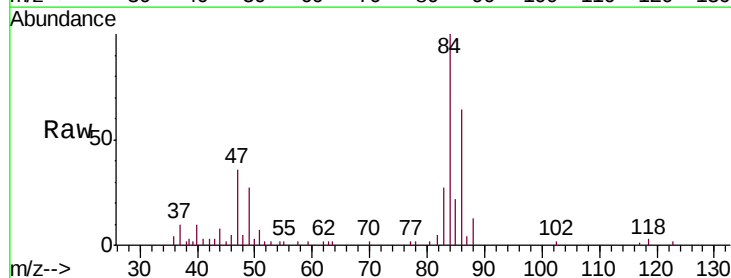
Instrument :
MSVOA_V
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BFD75DL

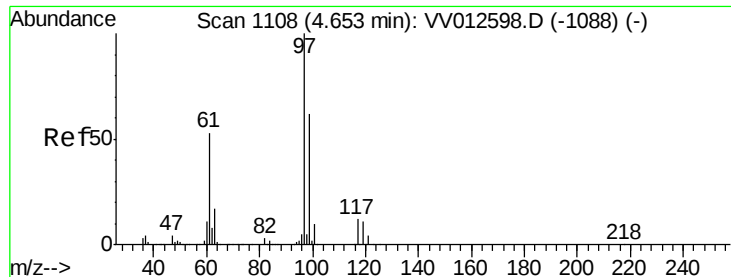
Tgt Ion: 73 Resp: 2584
Ion Ratio Lower Upper
73 100
43 14.3 18.9 28.3#
57 37.8 18.9 28.3#



#25
Chloroform
Concen: 0.191 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012615.D
Acq: 06 Sep 2019 23:05

Tgt Ion: 83 Resp: 5414
Ion Ratio Lower Upper
83 100
85 79.1 44.4 82.5

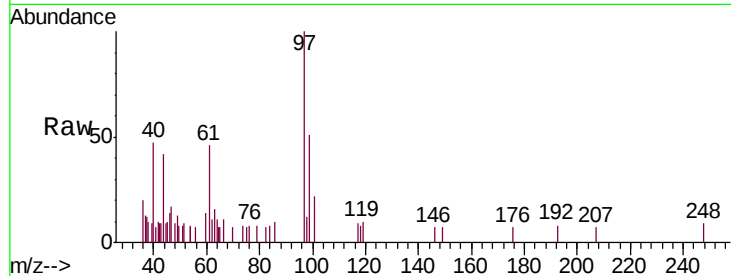




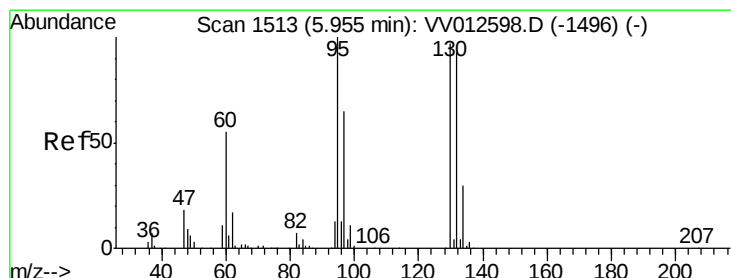
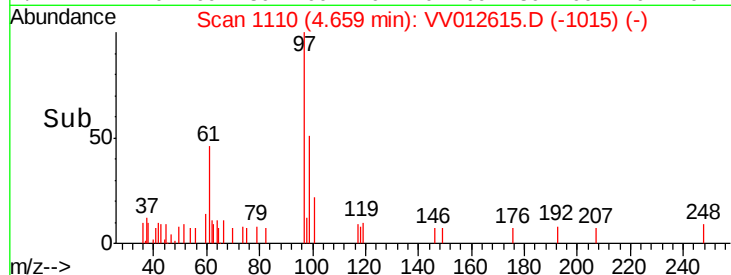
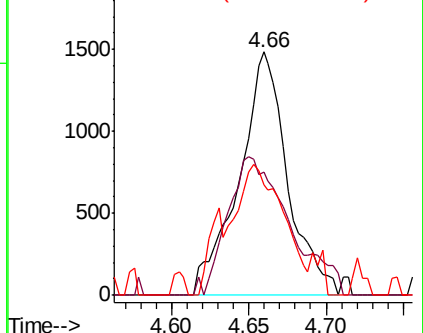
#29
 1,1,1-Trichloroethane
 Concen: 0.154 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV012615.D
 Acq: 06 Sep 2019 23:05

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD75DL

Tgt Ion: 97 Resp: 3263
 Ion Ratio Lower Upper
 97 100
 99 72.3 51.8 77.6
 61 49.4 43.4 65.0

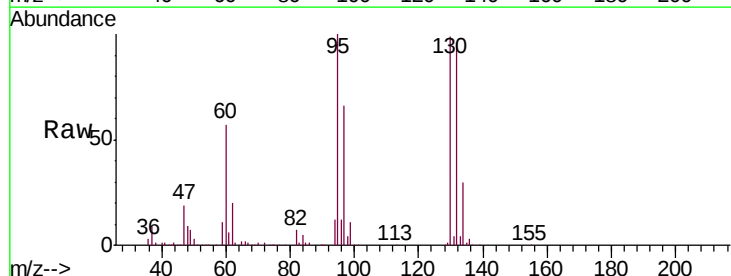


Abundance Ion 96.95 (96.65 to 97.65): VV0
 2000 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

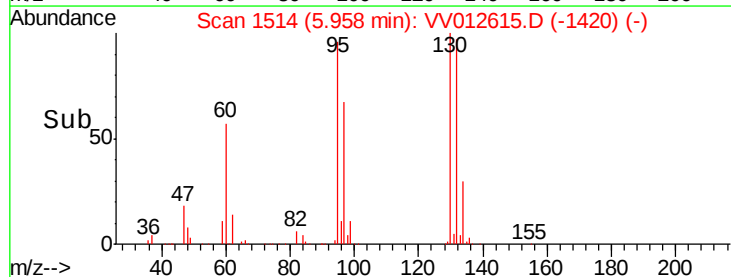
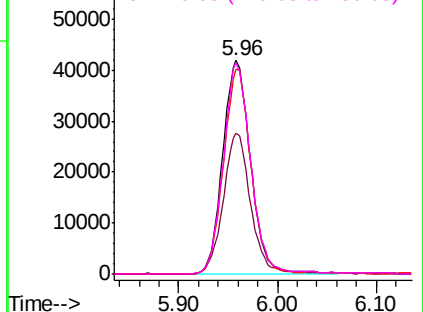


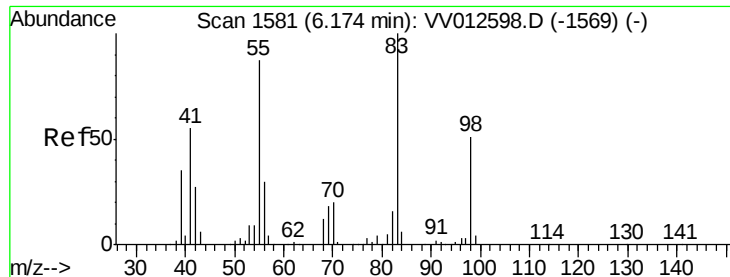
#34
 Trichloroethene
 Concen: 5.729 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012615.D
 Acq: 06 Sep 2019 23:05

Tgt Ion: 95 Resp: 83116
 Ion Ratio Lower Upper
 95 100
 97 65.9 43.9 81.5
 132 95.9 64.8 120.4
 130 98.7 67.1 124.7



Abundance Ion 95.00 (94.70 to 95.70): VV0
 60000 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

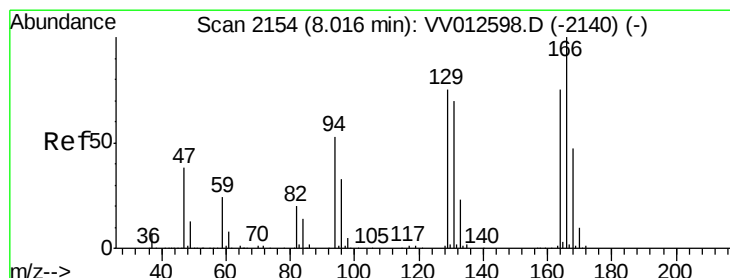
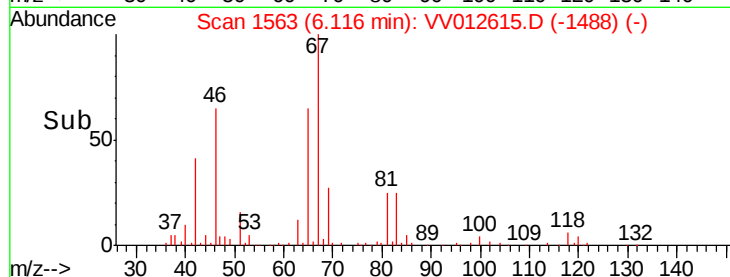
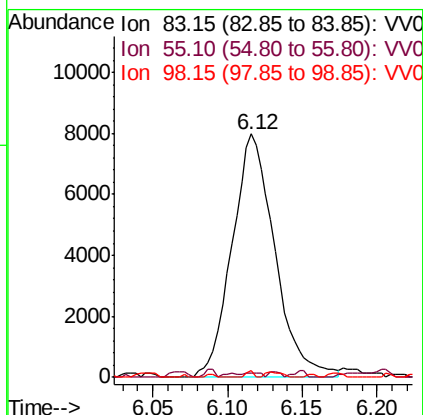
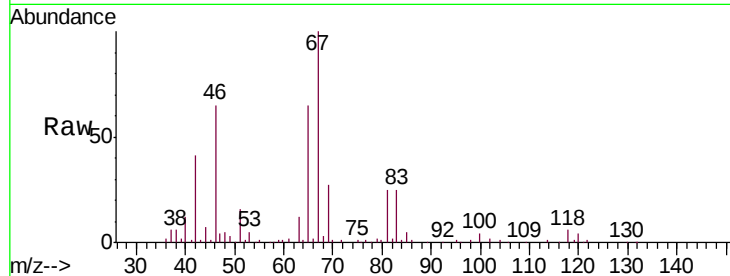




#35
Methylcyclohexane
Concen: 0.734 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012615.D
Acq: 06 Sep 2019 23:05

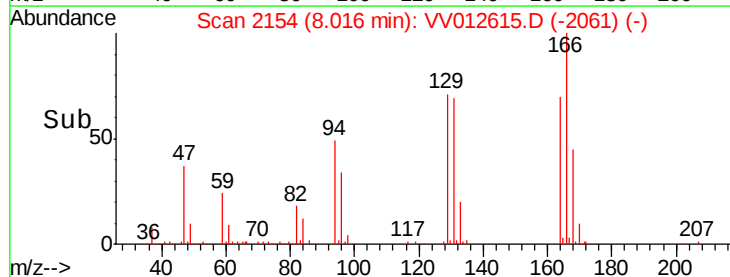
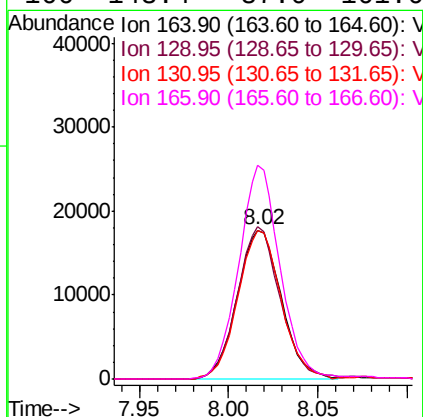
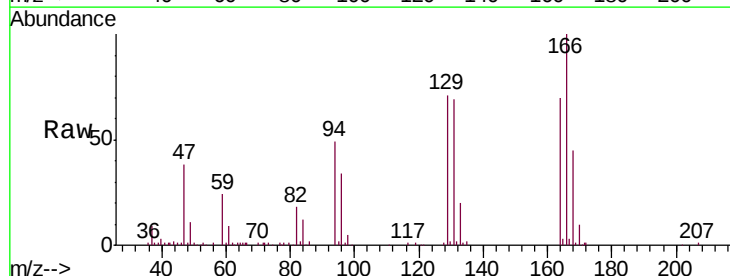
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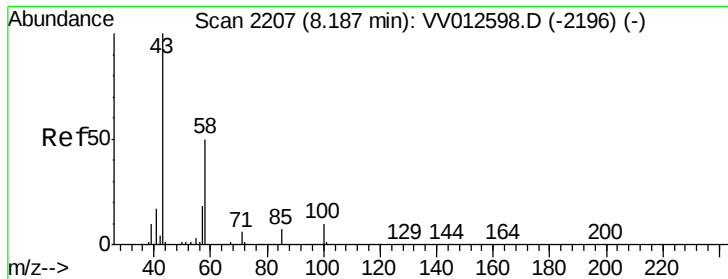
Tgt Ion: 83 Resp: 15897
Ion Ratio Lower Upper
83 100
55 0.7 69.0 103.6#
98 0.0 38.0 57.0#



#47
Tetrachloroethene
Concen: 2.894 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012615.D
Acq: 06 Sep 2019 23:05

Tgt Ion: 164 Resp: 30603
Ion Ratio Lower Upper
164 100
129 102.3 65.0 120.6
131 99.3 62.0 115.2
166 143.4 87.0 161.6

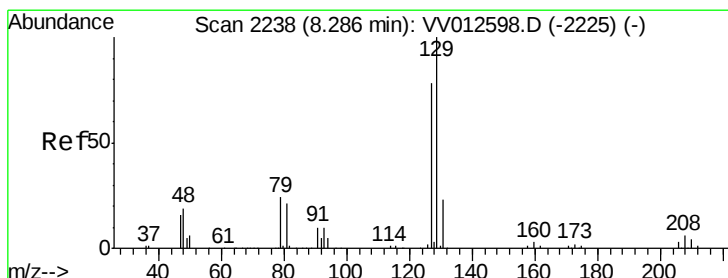
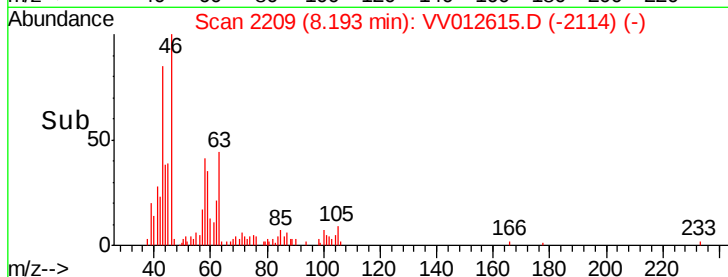
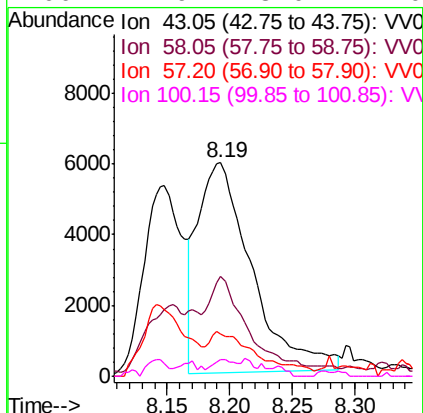
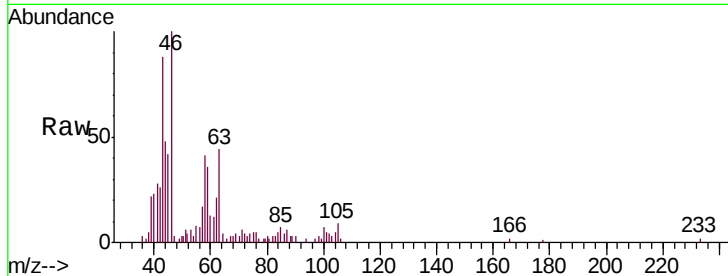




#48
2-Hexanone
Concen: 3.091 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012615.D
Acq: 06 Sep 2019 23:05

Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 17748
Ion Ratio Lower Upper
43 100
58 30.6 39.3 58.9#
57 17.7 12.9 19.3
100 2.9 8.0 12.0#



#49
Dibromochloromethane
Concen: 2.885 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012615.D
Acq: 06 Sep 2019 23:05

Tgt Ion: 129 Resp: 30256
Ion Ratio Lower Upper
129 100
127 0.0 53.0 98.4#

