

Data File : VV012660.D
Acq On : 10 Sep 2019 16:29
Operator : SY/MD
Sample : K4703-13DL 5X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD96DL

Quant Time: Sep 11 05:26:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	392290	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	391086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	154248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109764	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	86276	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.12	63	140701	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.96	46	366902	57.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.60%
24) Chloroform-d	4.40	84	220609	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	117218	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.09	84	414157	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	142577	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	322709	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	7.66	79	42509	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.14	63	177850	46.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105921	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	136804	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	3150	0.092 ug/L #	34
12) 1,1-Dichloroethene	2.14	96	19994	0.821 ug/L #	41
16) Methylene chloride	2.53	84	10998	0.369 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	6911	0.121 ug/L	98
19) 1,1-Dichloroethane	3.22	63	32062	0.622 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	36266	1.219 ug/L	99
25) Chloroform	4.42	83	11534	0.203 ug/L	96
27) 1,2-Dichloroethane	5.18	62	1790	0.060 ug/L #	88
29) 1,1,1-Trichloroethane	4.65	97	5615	0.130 ug/L #	86
34) Trichloroethene	5.96	95	250404	7.928 ug/L	98
35) Methylcyclohexane	6.12	83	34685	0.777 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	15505	0.545 ug/L #	87
47) Tetrachloroethene	8.02	164	117657	4.745 ug/L	98
48) 2-Hexanone	8.19	43	42440	3.758 ug/L #	86
49) Dibromochloromethane	8.02	129	100618	4.266 ug/L #	11
51) Chlorobenzene	8.92	112	11764	0.151 ug/L	88
63) 1,4-Dichlorobenzene	11.31	146	3200	0.066 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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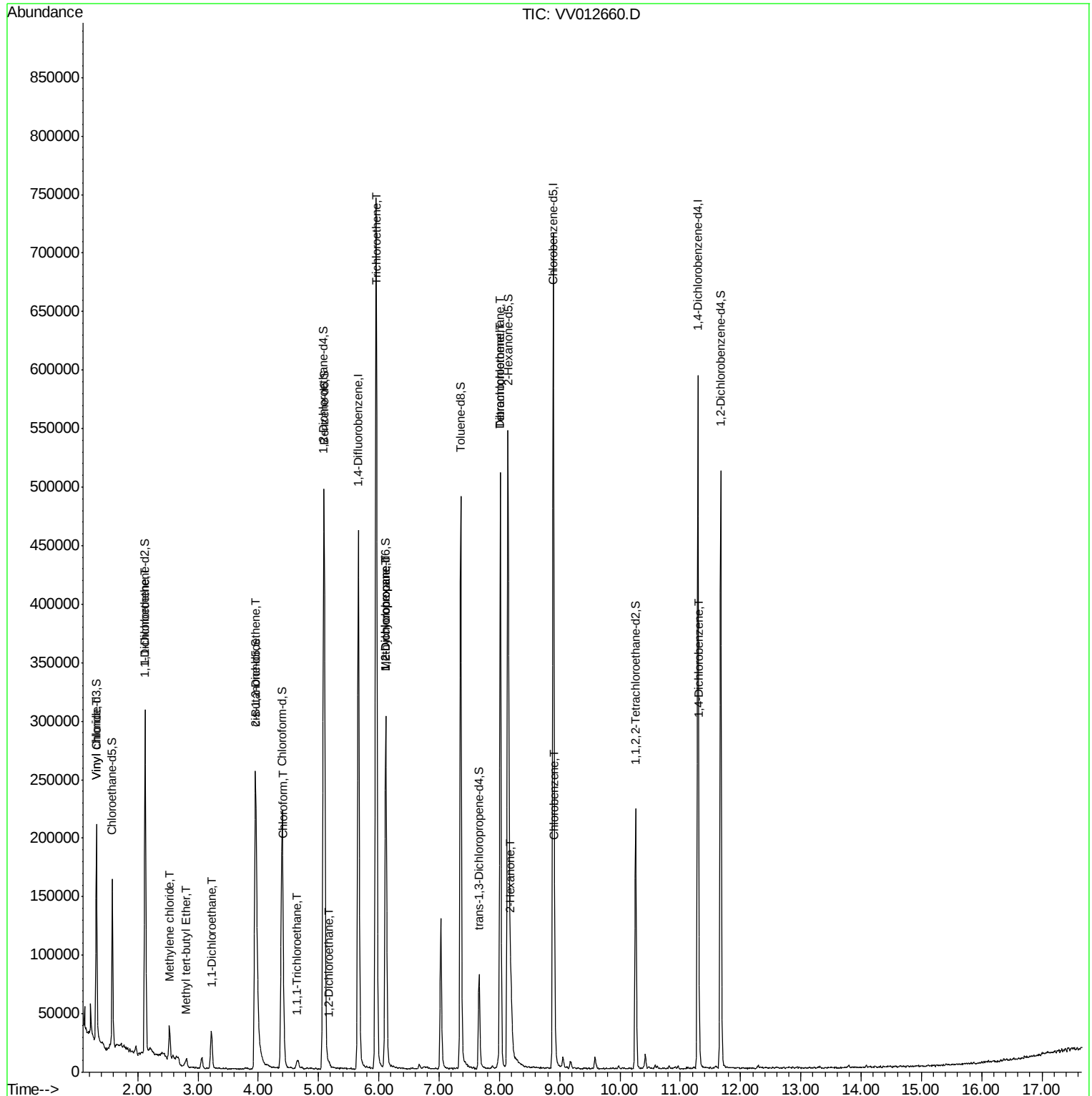
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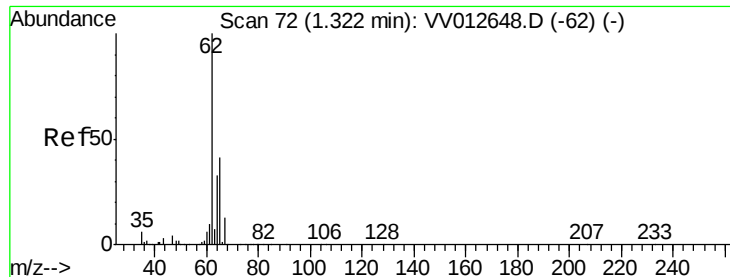
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.092 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

Instrument :

MSVOA_V

ClientSampleId :

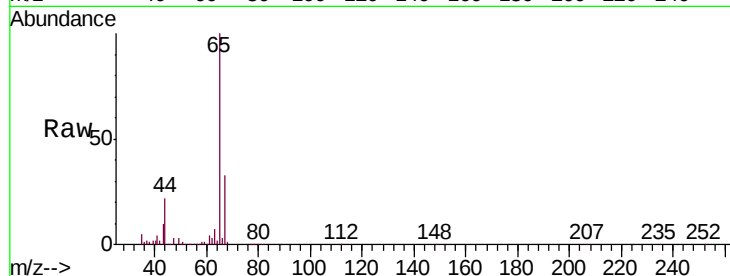
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Tgt Ion: 62 Resp: 3150

Ion Ratio Lower Upper

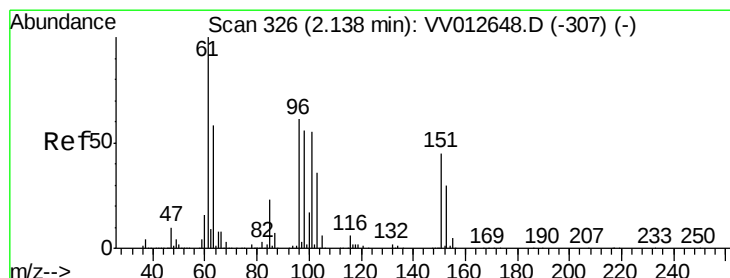
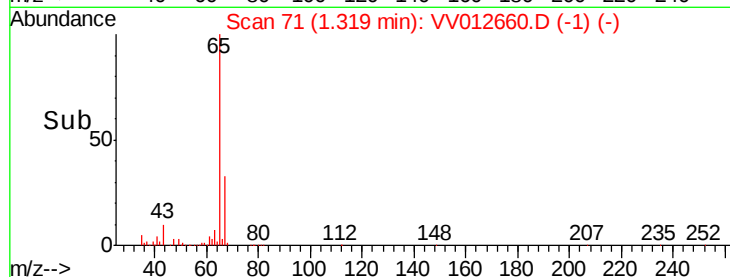
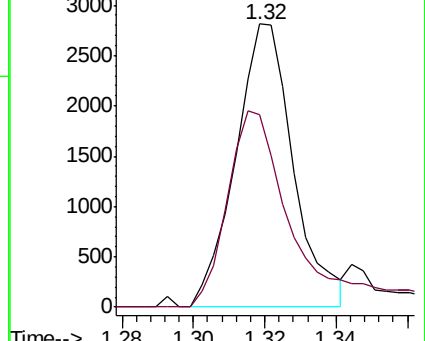
62 100

64 68.2 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 0.821 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012660.D

Acq: 10 Sep 2019 16:29

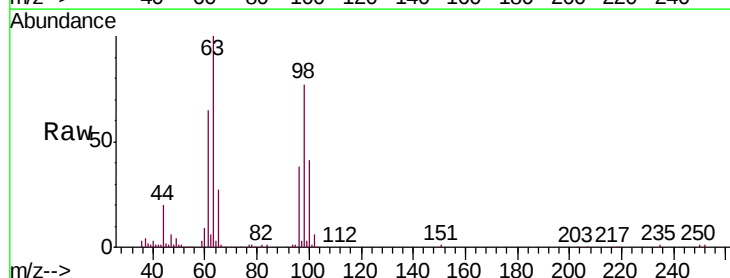
Tgt Ion: 96 Resp: 19994

Ion Ratio Lower Upper

96 100

61 171.4 115.8 215.0

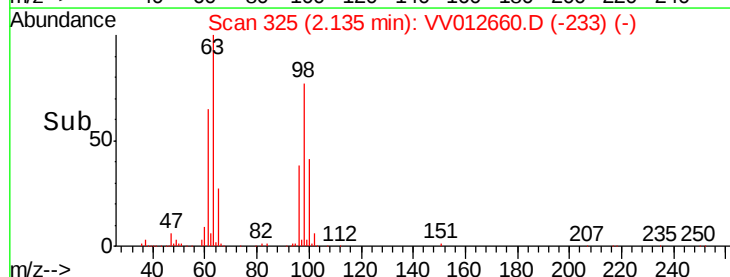
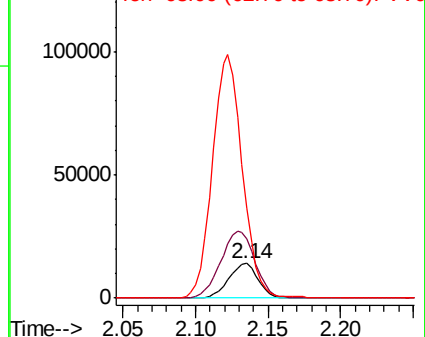
63 262.7 79.4 147.4#

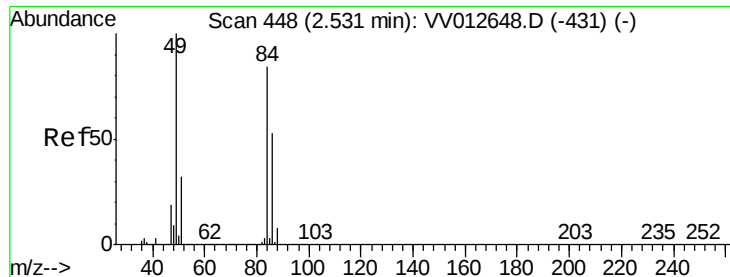


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

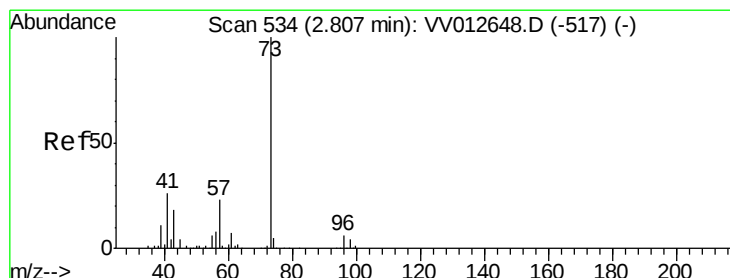
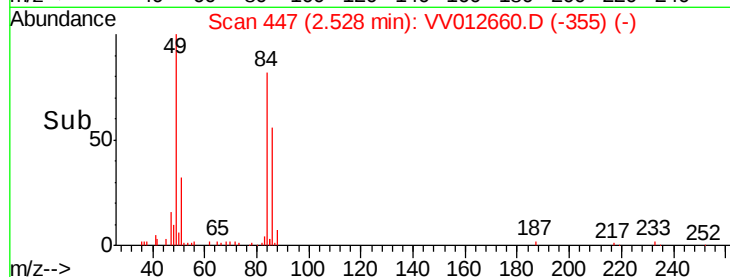
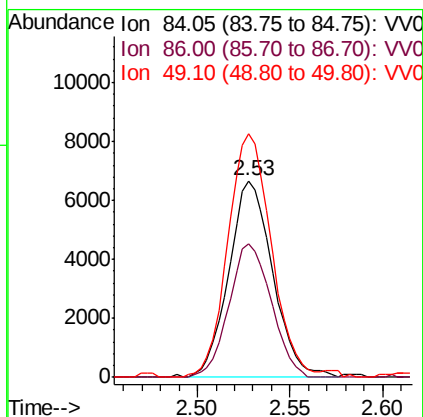
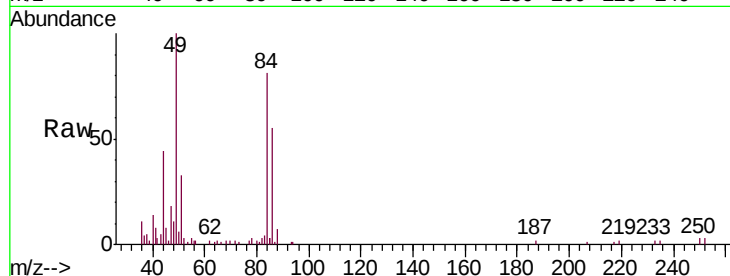




#16
Methylene chloride
Concen: 0.369 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

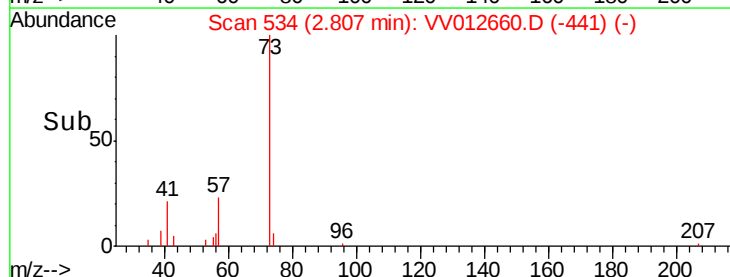
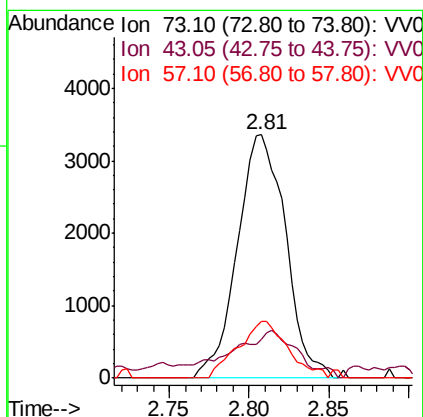
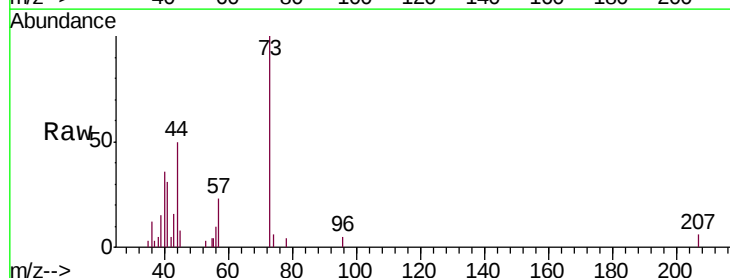
Instrument :
MSVOA_V
ClientSampleId :
BFD96DL

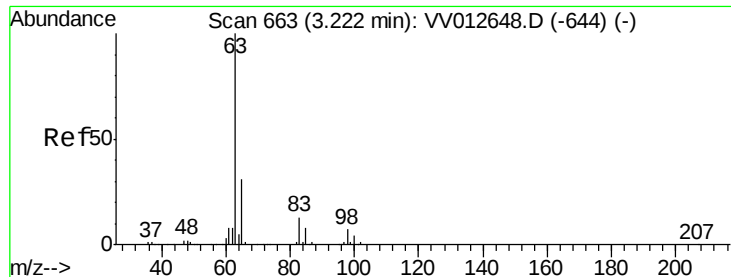
Tgt Ion: 84 Resp: 10998
Ion Ratio Lower Upper
84 100
86 68.1 46.1 85.7
49 123.9 85.3 158.3



#17
Methyl tert-butyl Ether
Concen: 0.121 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

Tgt Ion: 73 Resp: 6911
Ion Ratio Lower Upper
73 100
43 18.2 14.6 21.8
57 24.0 18.2 27.2

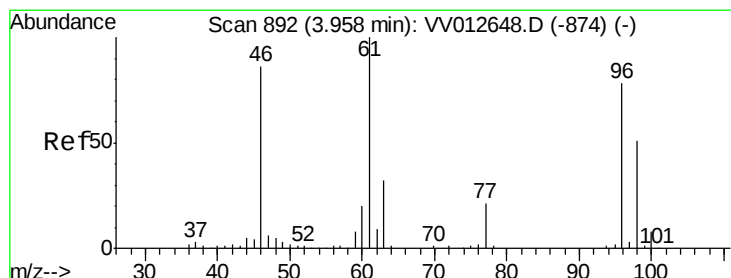
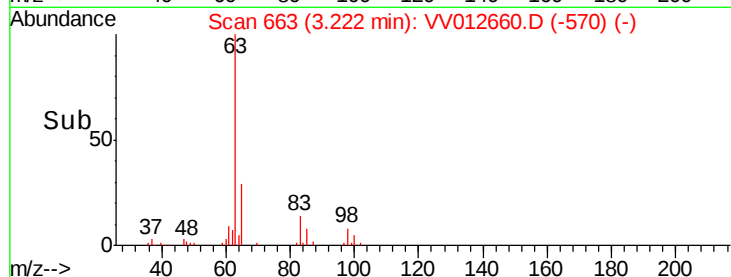
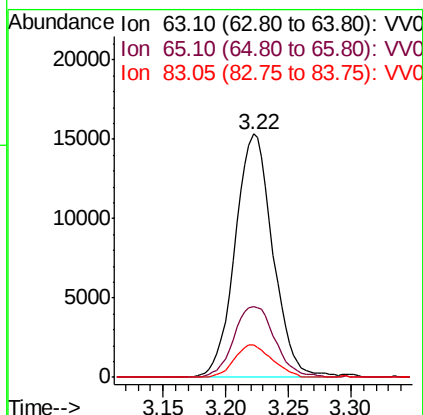
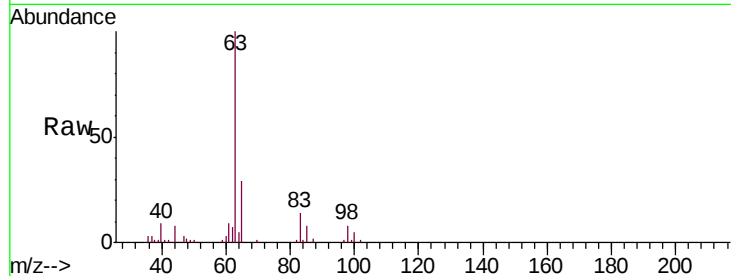




#19
 1,1-Dichloroethane
 Concen: 0.622 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

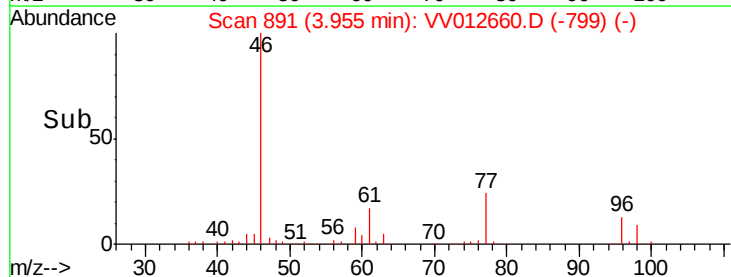
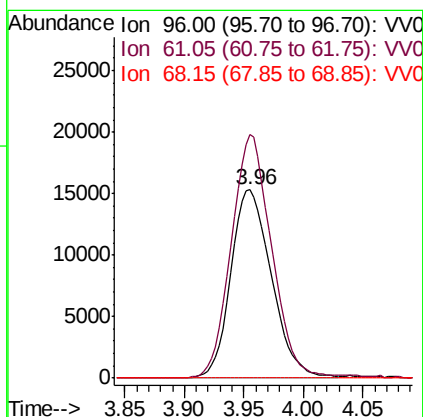
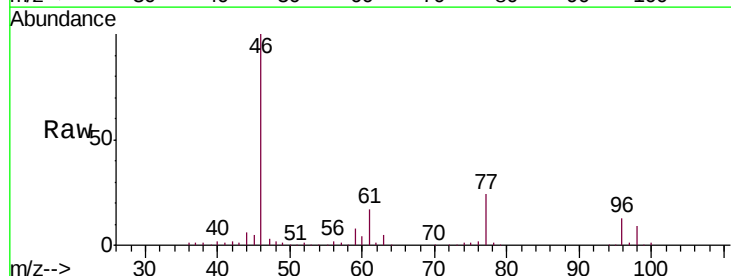
Instrument :
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 ClientSampleId :
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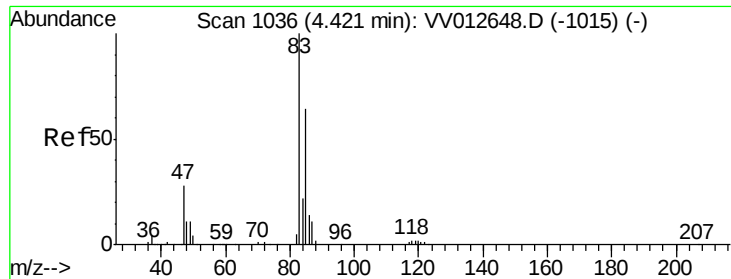
Tgt Ion: 63 Resp: 32062
 Ion Ratio Lower Upper
 63 100
 65 28.9 22.7 42.3
 83 13.5 9.1 16.9



#22
 cis-1,2-Dichloroethene
 Concen: 1.219 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

Tgt Ion: 96 Resp: 36266
 Ion Ratio Lower Upper
 96 100
 61 129.3 89.7 166.5
 68 0.0 0.0 0.0

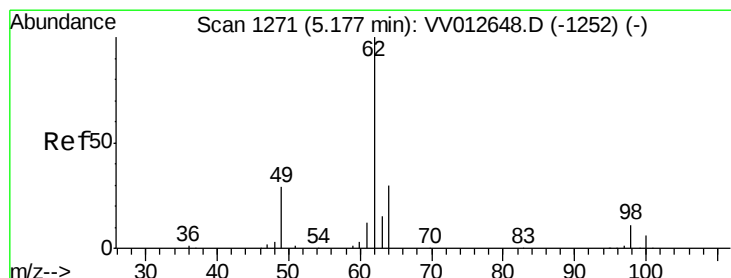
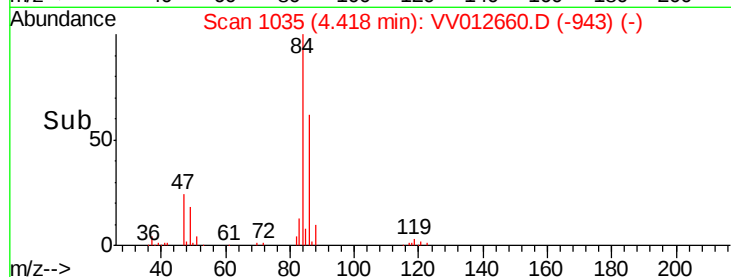
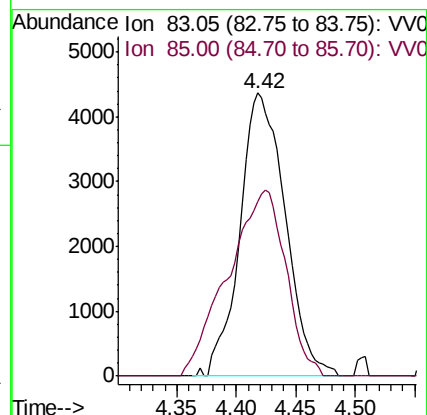
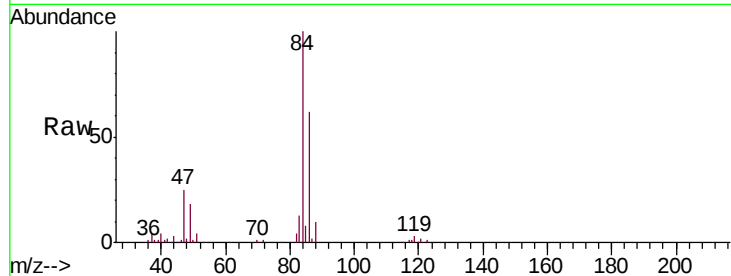




#25
Chloroform
Concen: 0.203 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

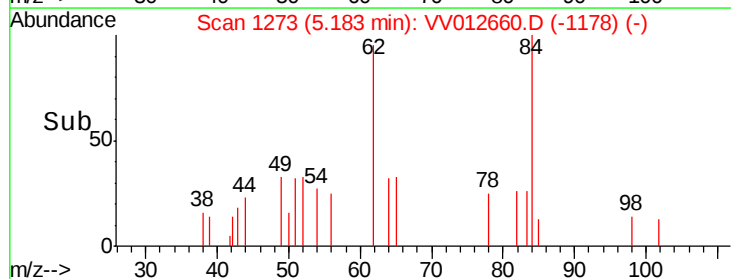
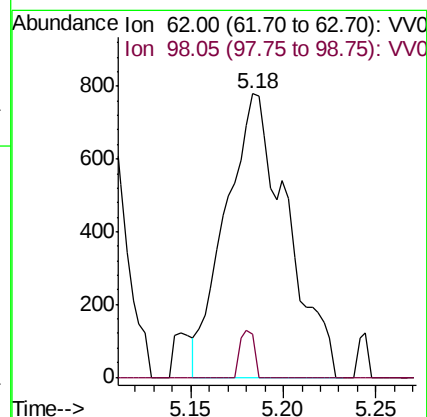
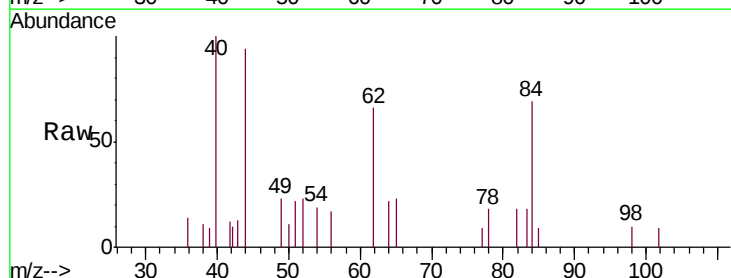
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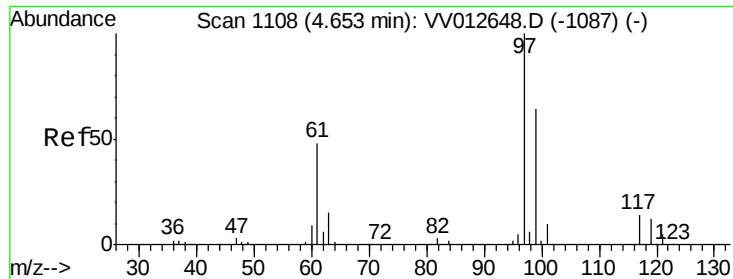
Tgt Ion: 83 Resp: 11534
Ion Ratio Lower Upper
83 100
85 61.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.060 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

Tgt Ion: 62 Resp: 1790
Ion Ratio Lower Upper
62 100
98 15.1 8.4 12.6#

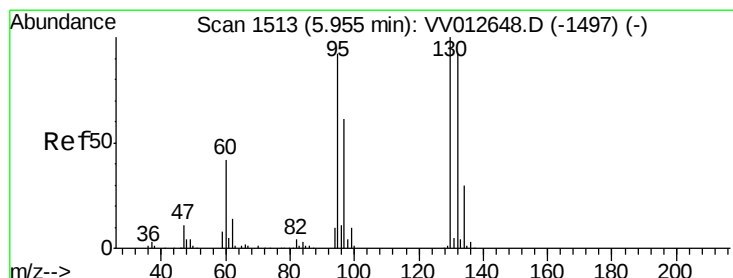
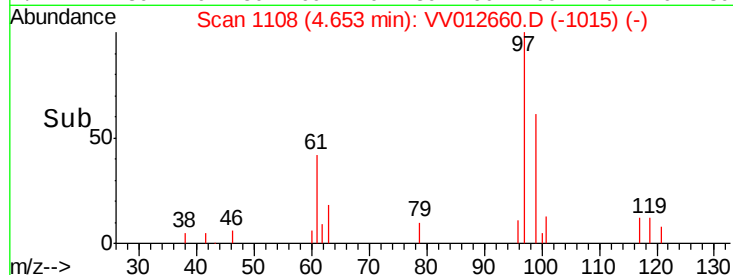
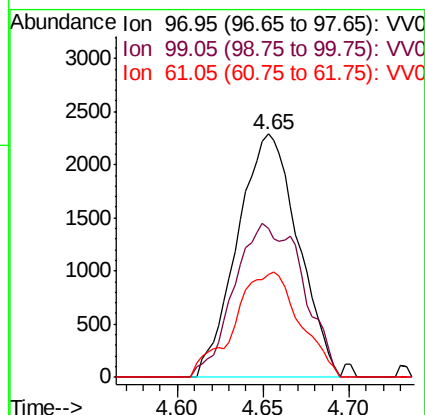
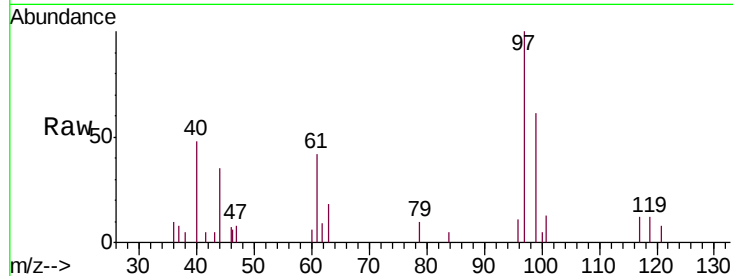




#29
 1,1,1-Trichloroethane
 Concen: 0.130 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

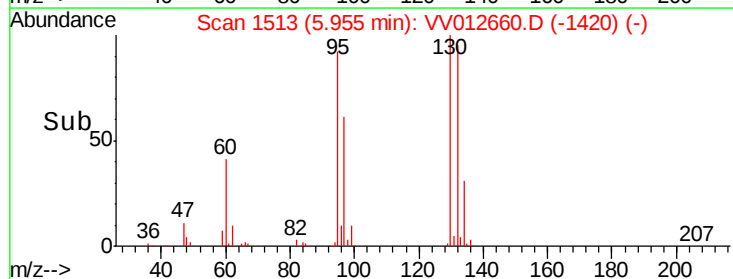
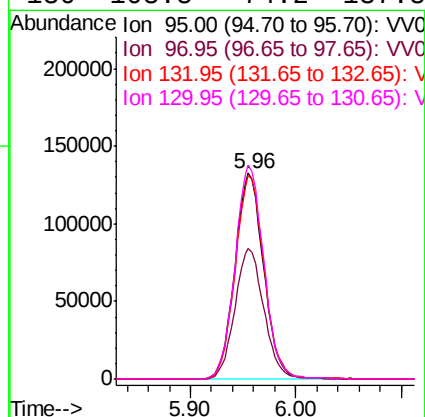
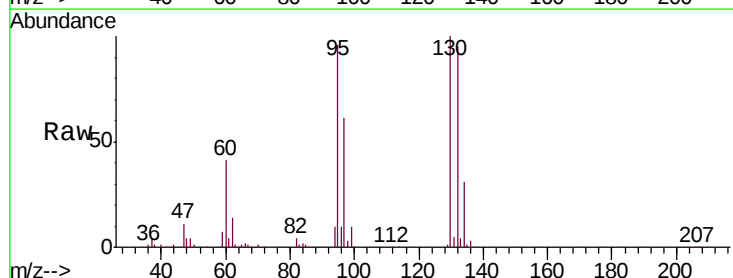
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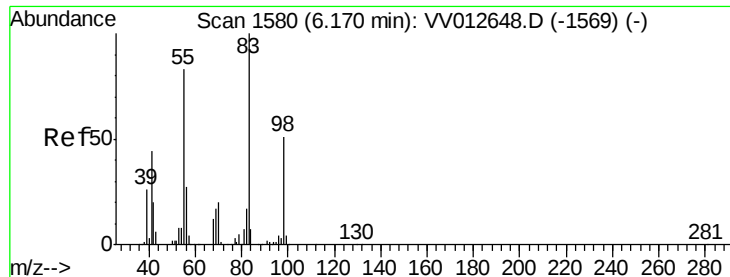
Tgt Ion: 97 Resp: 5615
 Ion Ratio Lower Upper
 97 100
 99 46.1 51.6 77.4#
 61 46.6 37.5 56.3



#34
 Trichloroethene
 Concen: 7.928 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

Tgt Ion: 95 Resp: 250404
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.4 84.2
 132 98.8 70.2 130.4
 130 103.8 74.2 137.8

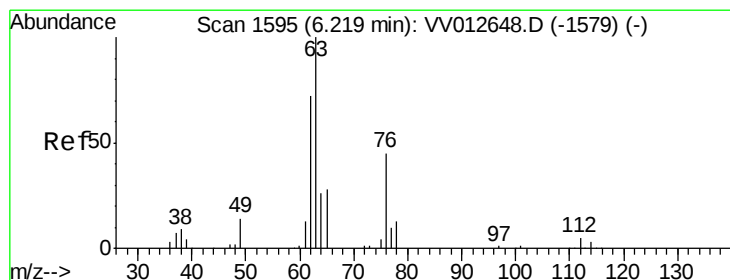
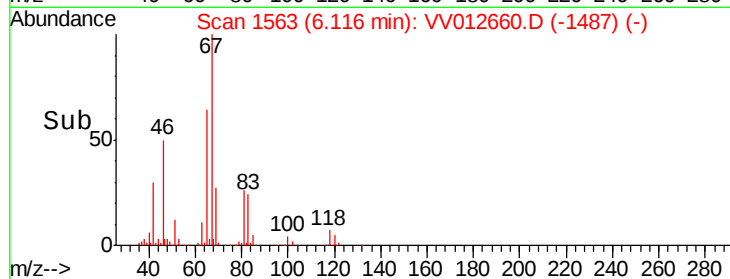
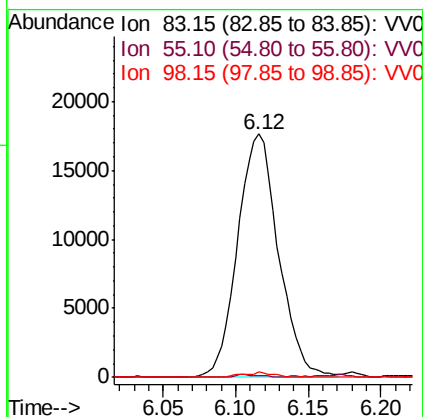
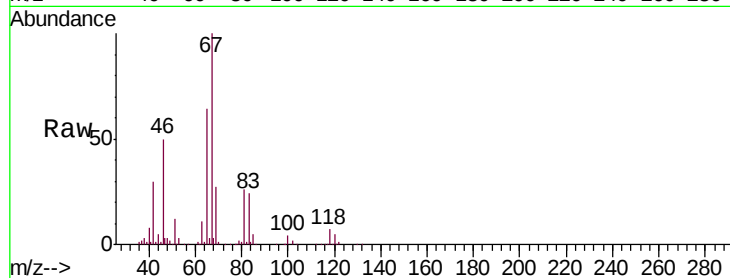




#35
Methylcyclohexane
Concen: 0.777 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

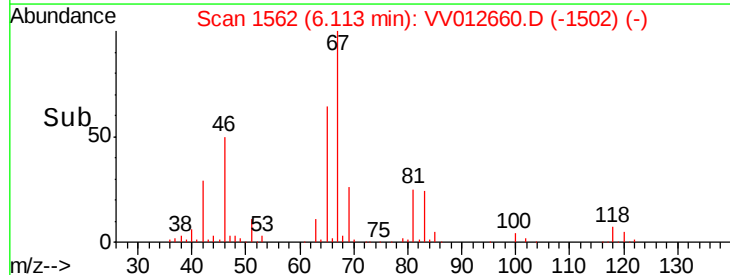
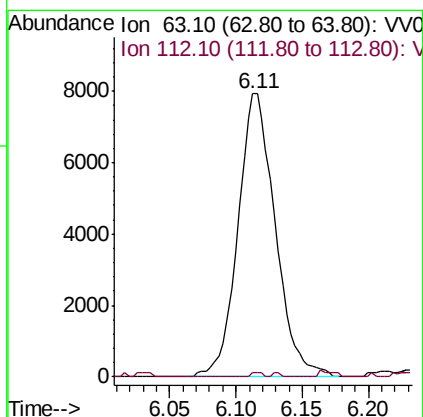
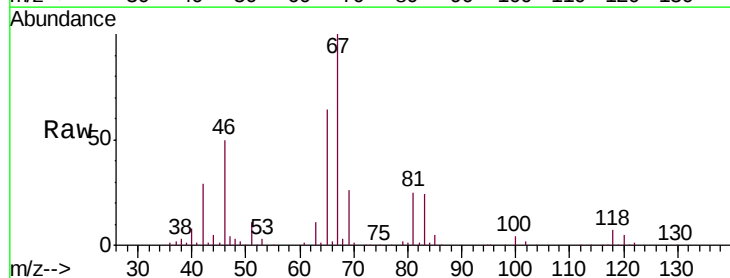
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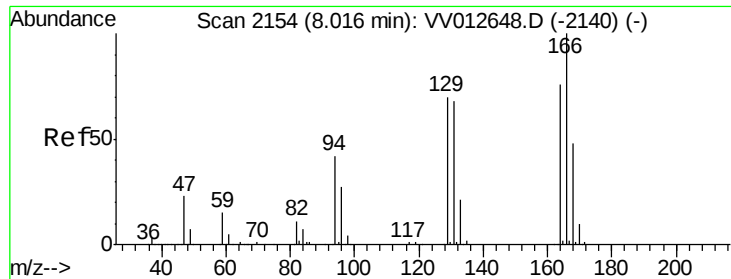
Tgt Ion: 83 Resp: 34685
Ion Ratio Lower Upper
83 100
55 0.5 63.0 94.4#
98 1.5 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 0.545 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

Tgt Ion: 63 Resp: 15505
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.6#

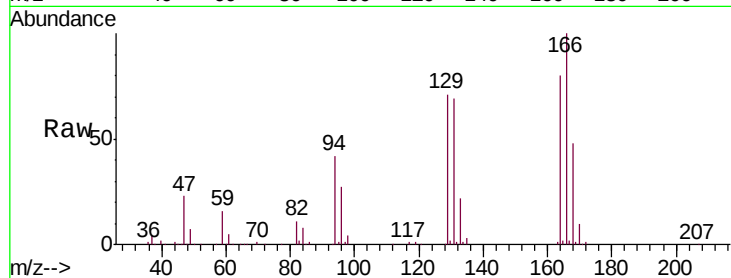




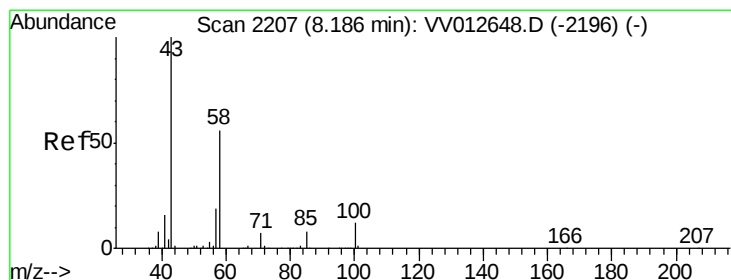
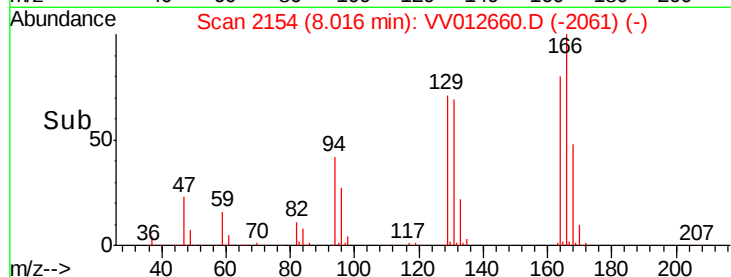
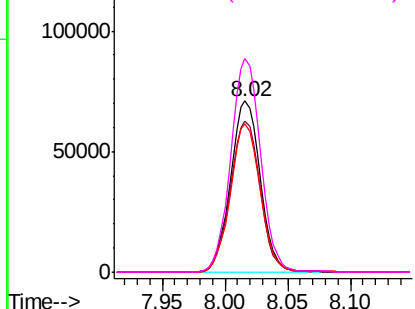
#47
Tetrachloroethene
Concen: 4.745 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

Instrument :
MSVOA_V
ClientSampleId :
BFD96DL

Tgt Ion:	164	Resp:	117657
Ion	Ratio	Lower	Upper
164	100		
129	88.6	61.9	114.9
131	86.5	59.7	110.9
166	124.7	90.4	167.8

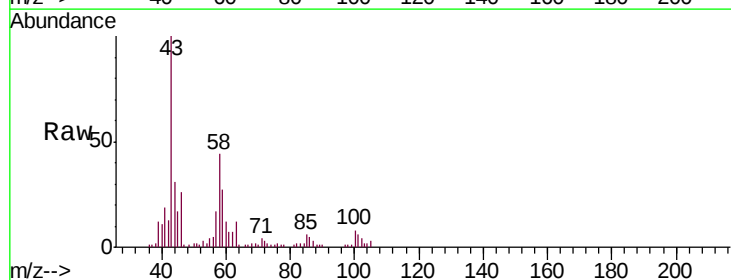


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

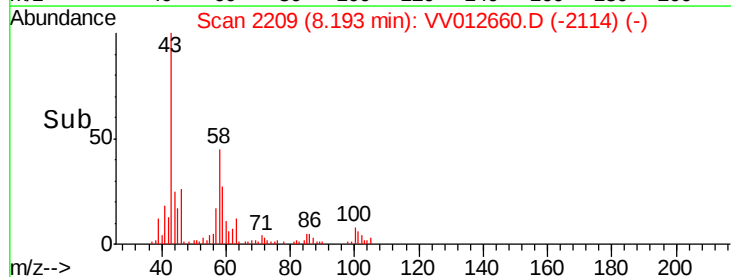
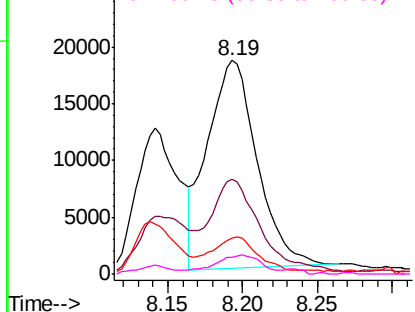


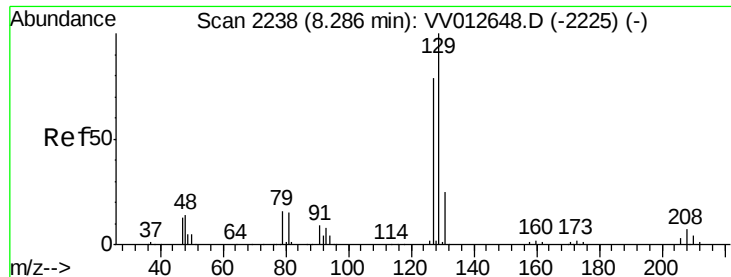
#48
2-Hexanone
Concen: 3.758 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

Tgt Ion:	43	Resp:	42440
Ion	Ratio	Lower	Upper
43	100		
58	43.6	44.8	67.2#
57	15.2	14.9	22.3
100	8.8	9.8	14.8#



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

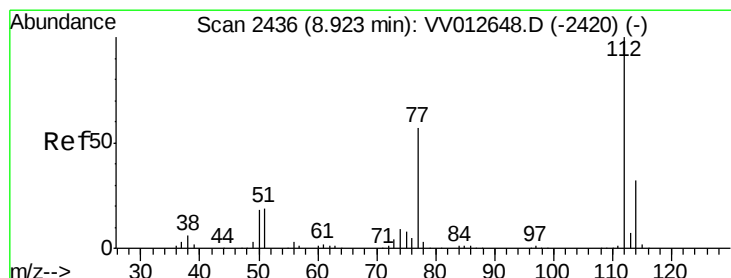
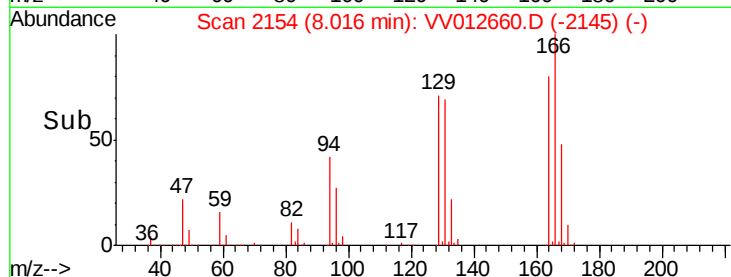
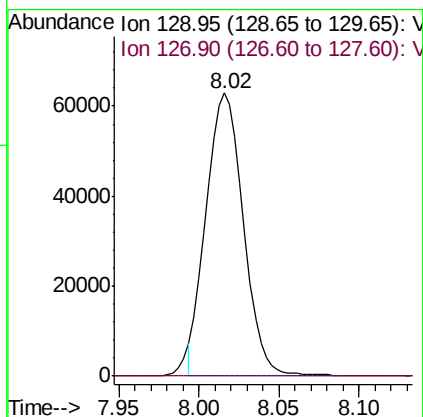
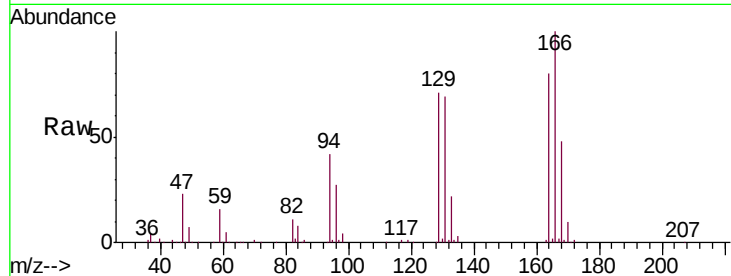




#49
Dibromochloromethane
Concen: 4.266 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

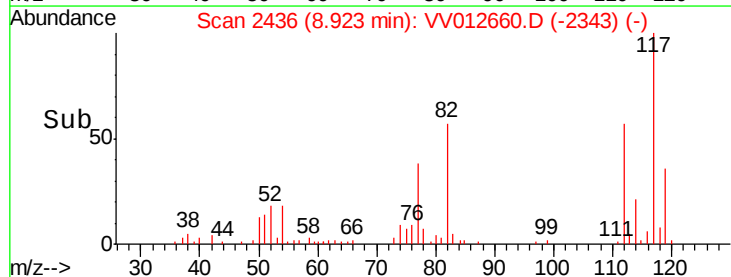
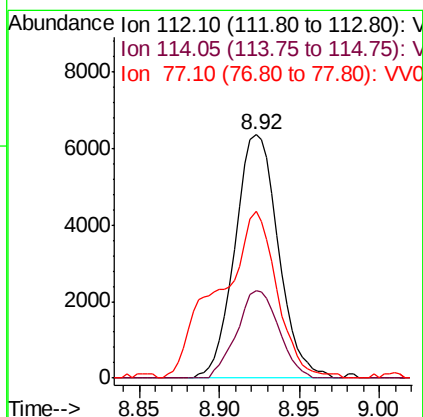
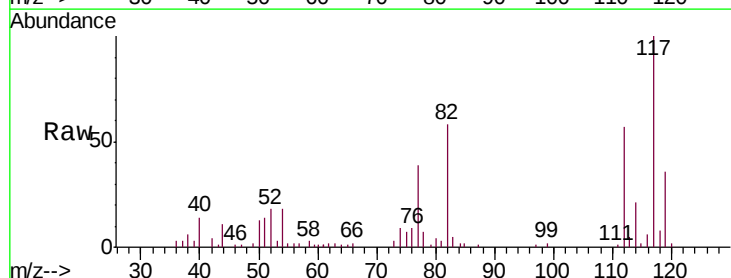
Instrument :
MSVOA_V
ClientSampleId :
BFD96DL

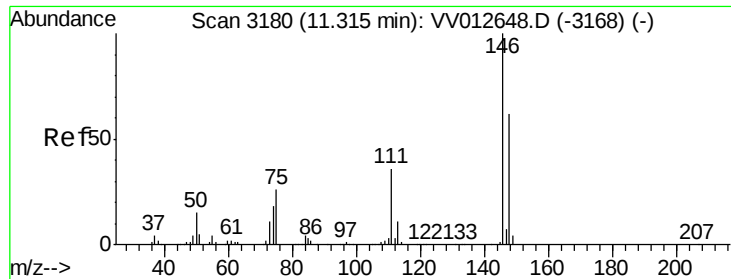
Tgt Ion:129 Resp: 100618
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#



#51
Chlorobenzene
Concen: 0.151 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012660.D
Acq: 10 Sep 2019 16:29

Tgt Ion:112 Resp: 11764
Ion Ratio Lower Upper
112 100
114 36.2 22.5 41.9
77 68.4 46.2 69.2





#63
 1,4-Dichlorobenzene
 Concen: 0.066 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012660.D
 Acq: 10 Sep 2019 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD96DL

Tgt Ion:146 Resp: 3200
 Ion Ratio Lower Upper
 146 100
 111 40.1 25.9 48.1
 148 64.8 45.1 83.7

