

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013834.D
 Acq On : 27 Nov 2019 20:16
 Operator : SY/MD
 Sample : K6056-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 03:11:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	307391	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	306626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	136992	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70008	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.58	69	74882	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	118498	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.92	46	222161	56.17	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.34%
24) Chloroform-d	4.40	84	163354	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.08	65	94352	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	341346	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.12	67	111968	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.36	98	264322	3.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.20%
43) trans-1,3-Dichloropropene-	7.66	79	34395	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.13	63	170215	50.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.58%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	83810	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	118541	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1295	0.072	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1623	0.096	ug/L #	64
12) 1,1-Dichloroethene	2.14	96	24739	1.674	ug/L #	30
17) Methyl tert-butyl Ether	2.80	73	8470	0.209	ug/L #	68
19) 1,1-Dichloroethane	3.23	63	16209	0.487	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	42661	2.180	ug/L	100
25) Chloroform	4.43	83	30879	0.874	ug/L	91
29) 1,1,1-Trichloroethane	4.65	97	10955	0.349	ug/L	96
34) Trichloroethene	5.96	95	119368	5.753	ug/L	96
35) Methylcyclohexane	6.11	83	27333	0.987	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	12297	0.636	ug/L #	89
47) Tetrachloroethene	8.02	164	924665	51.323	ug/L	98
48) 2-Hexanone	8.17	43	6320	0.785	ug/L #	40
49) Dibromochloromethane	8.02	129	765060	43.299	ug/L #	10
62) 1,3-Dichlorobenzene	11.22	146	3217	0.081	ug/L	88
63) 1,4-Dichlorobenzene	11.31	146	2228	0.055	ug/L	93

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QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration

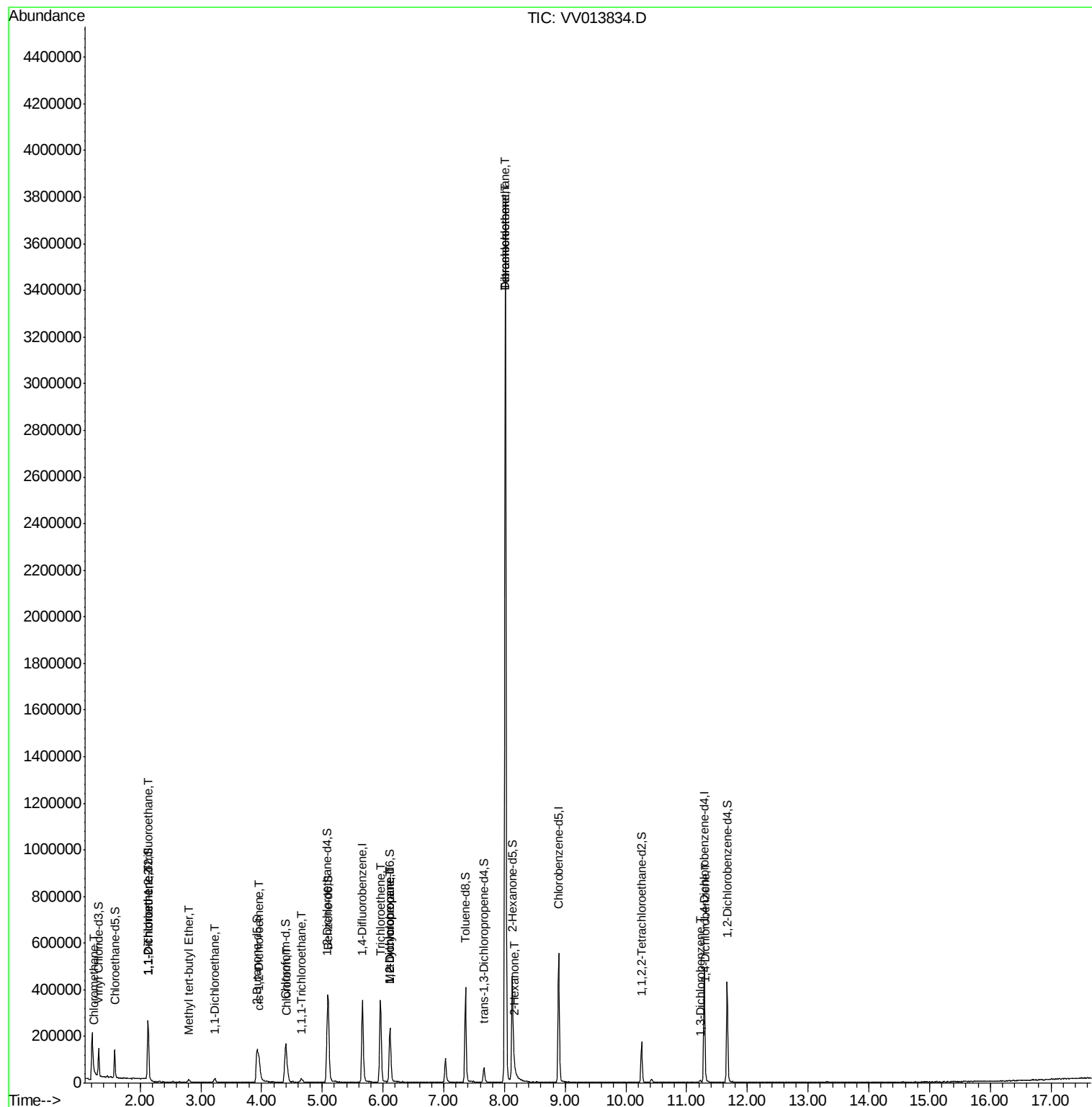
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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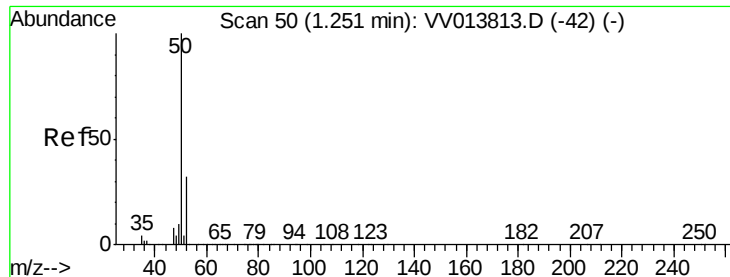
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.072 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

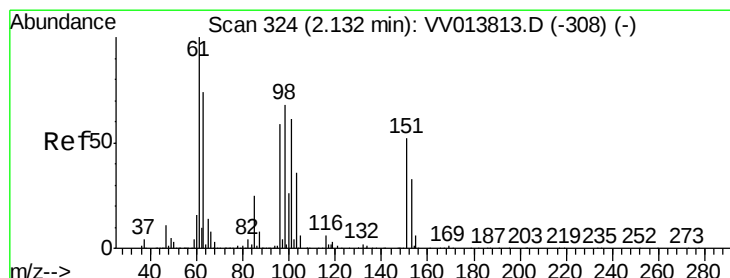
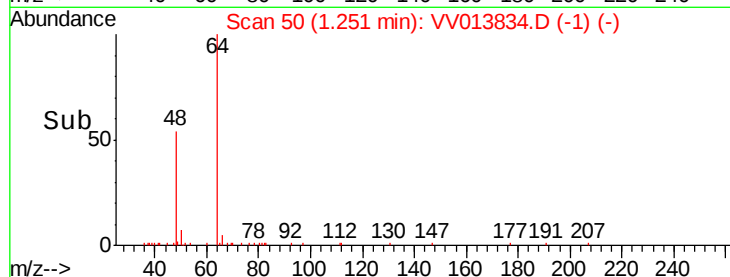
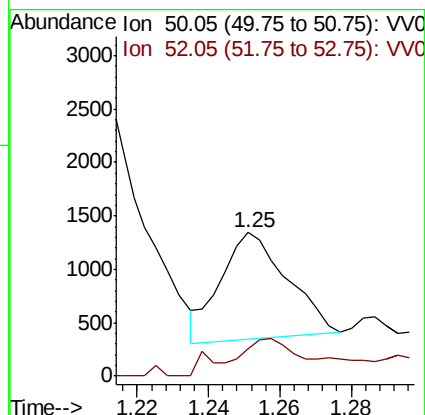
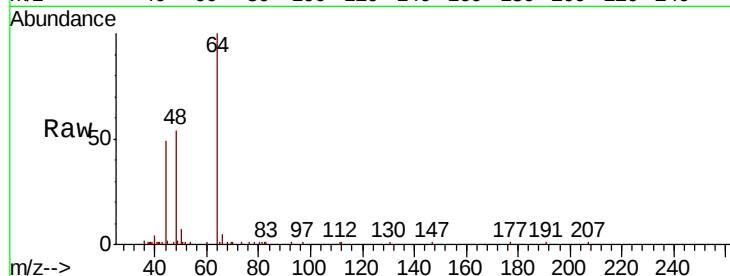
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1295

Ion Ratio Lower Upper

50 100

52 19.3 22.5 41.7#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.096 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

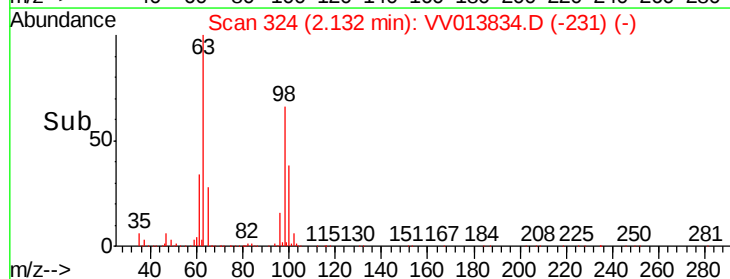
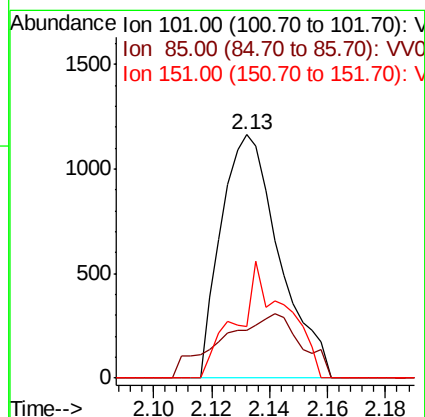
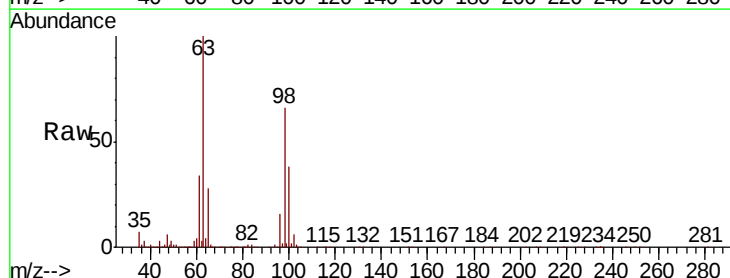
Tgt Ion: 101 Resp: 1623

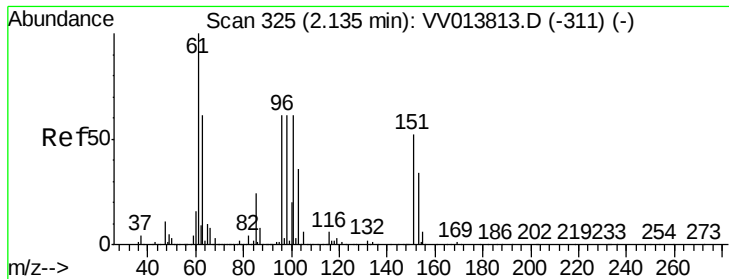
Ion Ratio Lower Upper

101 100

85 36.3 33.4 50.0

151 40.7 69.4 104.0#





#12

1,1-Dichloroethene

Concen: 1.674 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

Instrument :
MSVOA_V
ClientSampled :

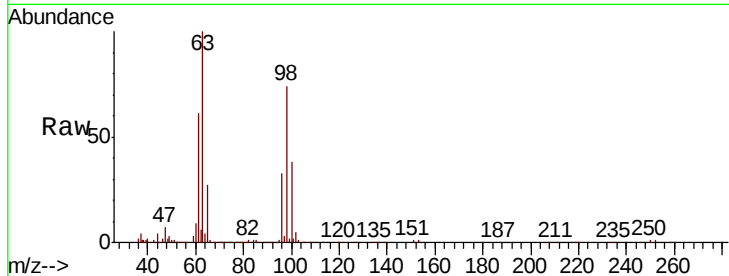
Tot Ion: 96 Resp: 24739

Ion Ratio Lower Upper

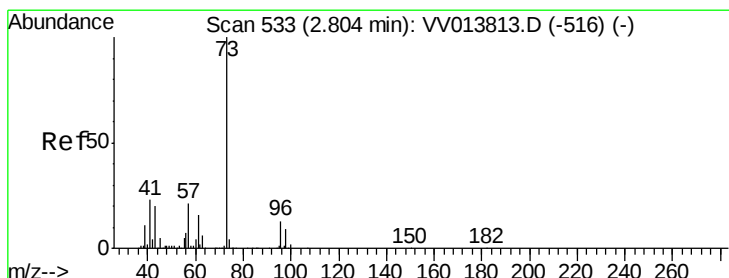
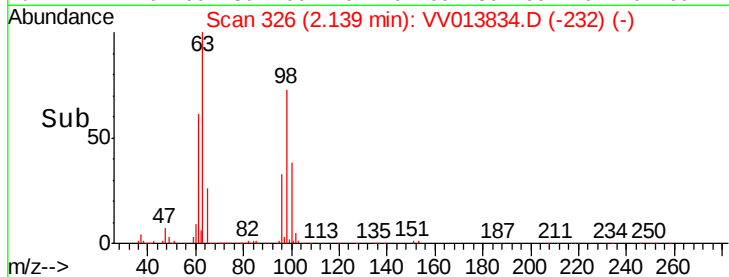
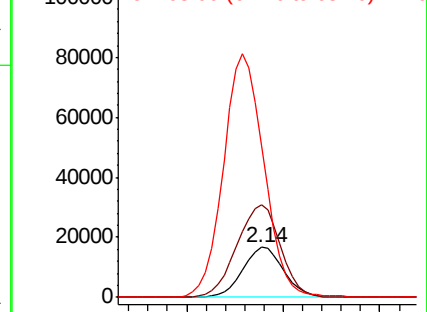
96 100

61 186.2 116.3 215.9

63 303.2 96.7 179.7#



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



#17

Methyl tert-butyl Ether

Concen: 0.209 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.01 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

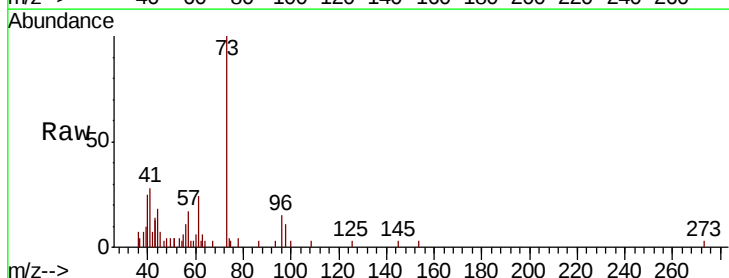
Tgt Ion: 73 Resp: 8470

Ion Ratio Lower Upper

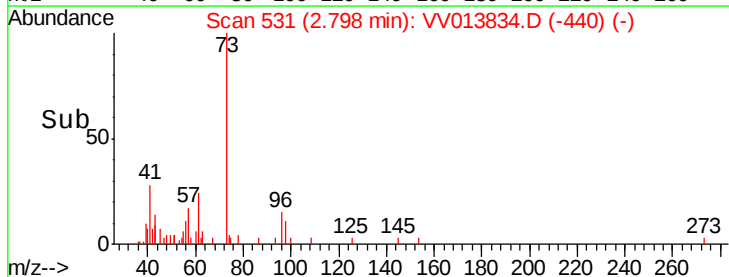
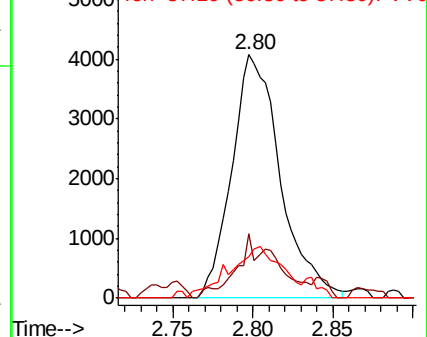
73 100

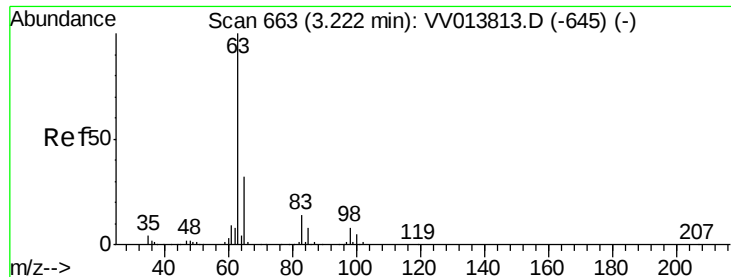
43 11.8 15.5 23.3#

57 0.0 17.5 26.3#



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0





#19

1,1-Dichloroethane

Concen: 0.487 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

Instrument :
MSVOA_V
ClientSampleId :

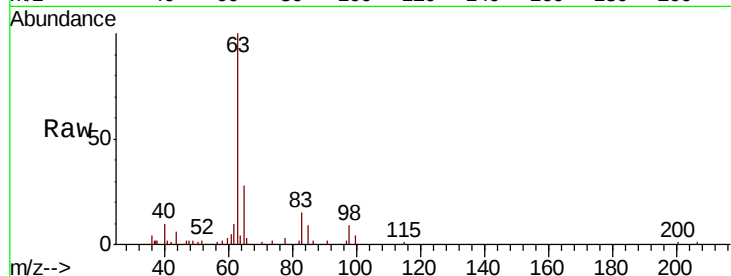
Tot Ion: 63 Resp: 16209

Ion Ratio Lower Upper

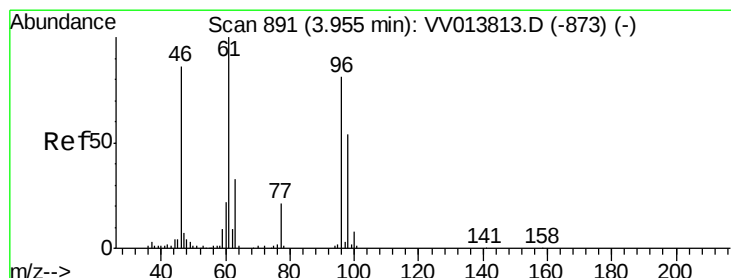
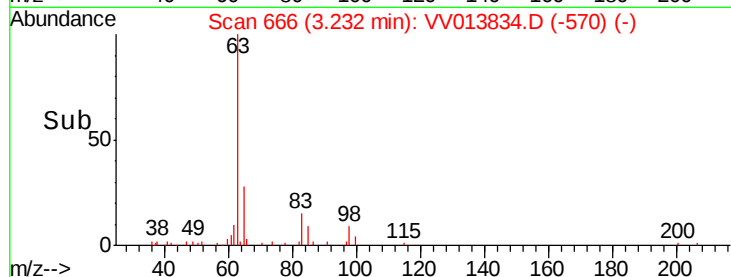
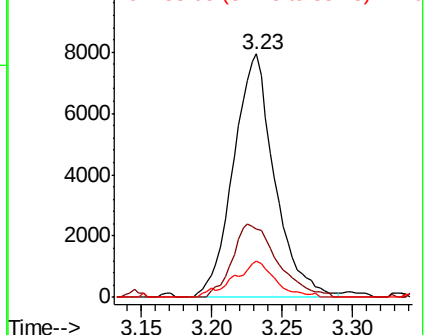
63 100

65 27.9 22.7 42.1

83 14.8 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.180 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

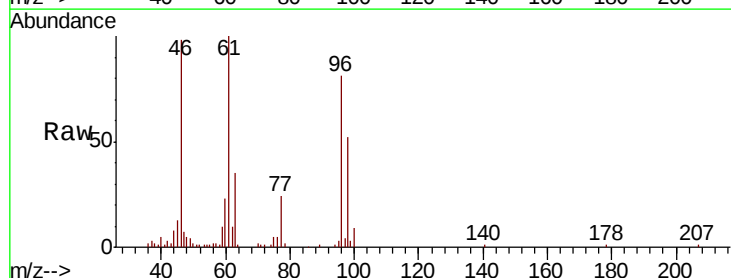
Tgt Ion: 96 Resp: 42661

Ion Ratio Lower Upper

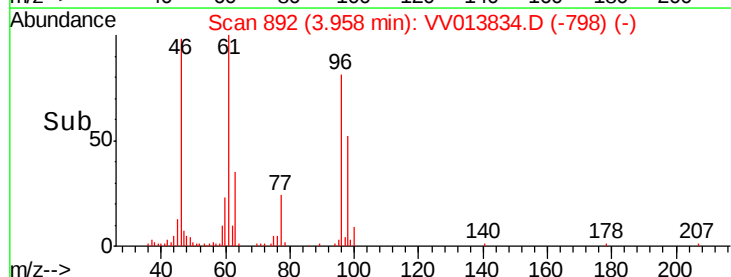
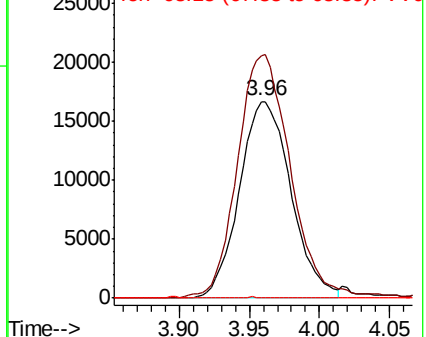
96 100

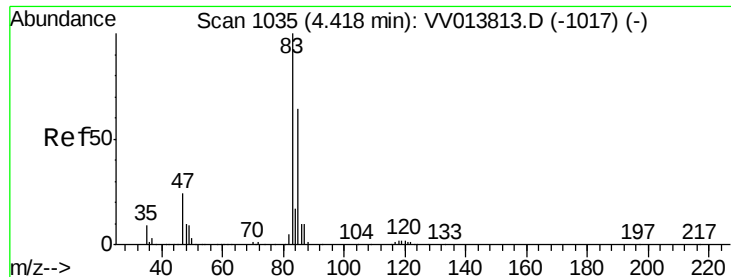
61 123.3 86.1 159.9

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

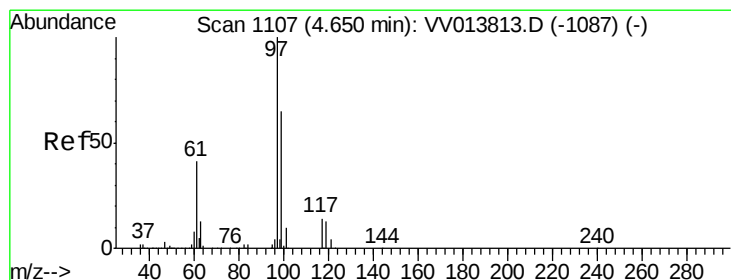
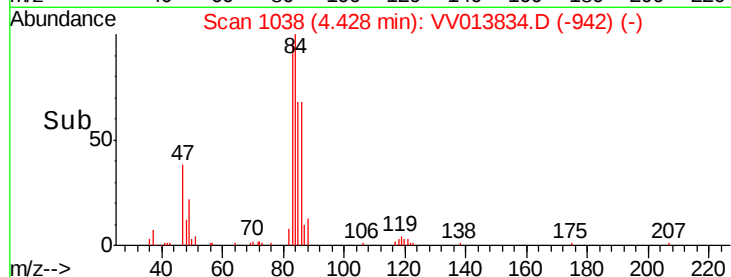
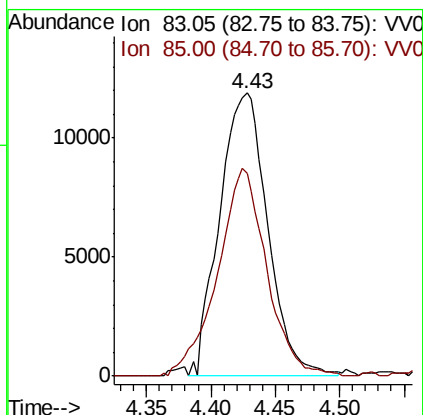
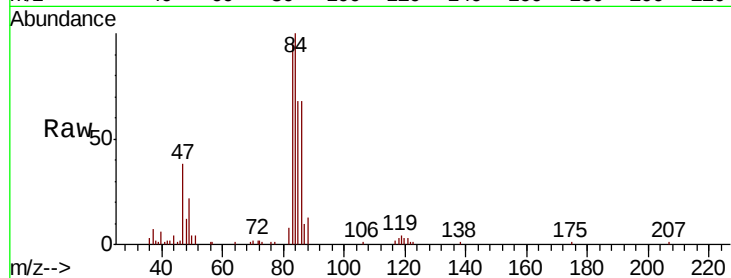




#25
Chloroform
Concen: 0.874 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013834.D
Acq: 27 Nov 2019 20:16

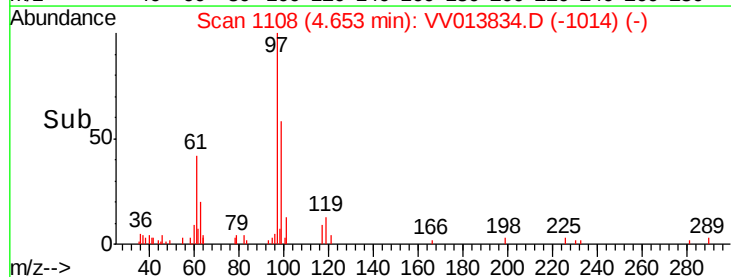
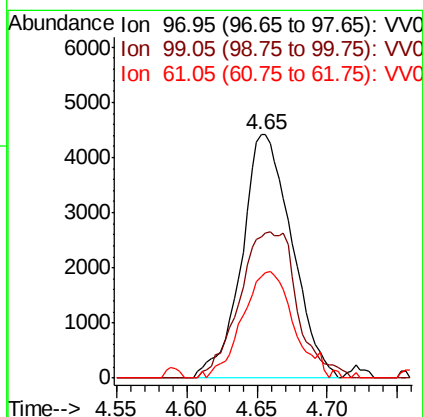
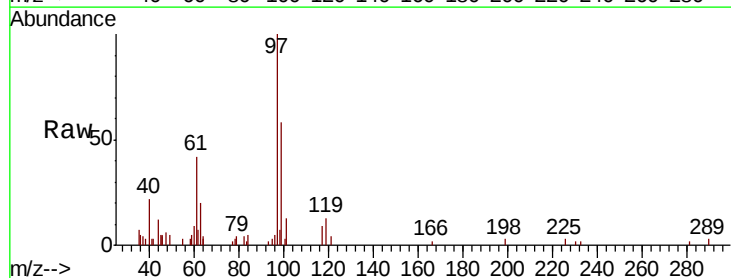
Instrument :
MSVOA_V
ClientSampled :

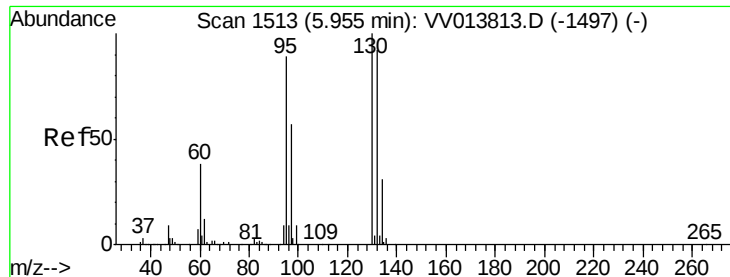
Tot Ion: 83 Resp: 30879
Ion Ratio Lower Upper
83 100
85 71.5 45.1 83.7



#29
1,1,1-Trichloroethane
Concen: 0.349 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013834.D
Acq: 27 Nov 2019 20:16

Tgt Ion: 97 Resp: 10955
Ion Ratio Lower Upper
97 100
99 68.9 51.7 77.5
61 44.5 35.0 52.6

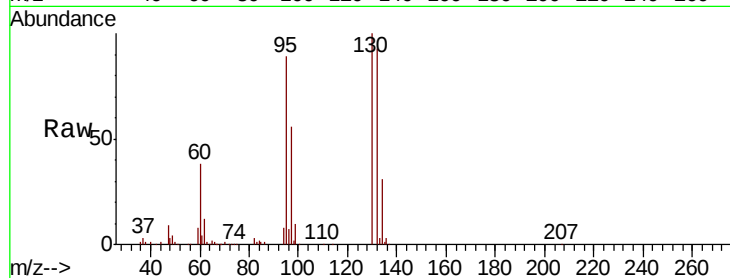




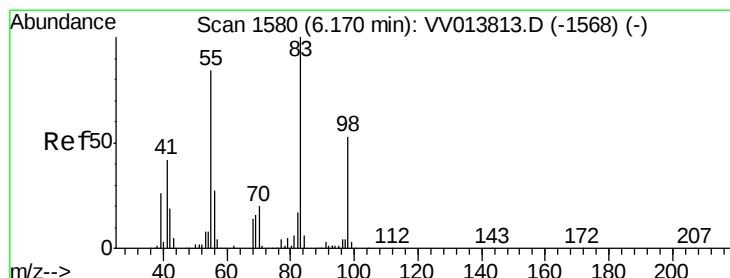
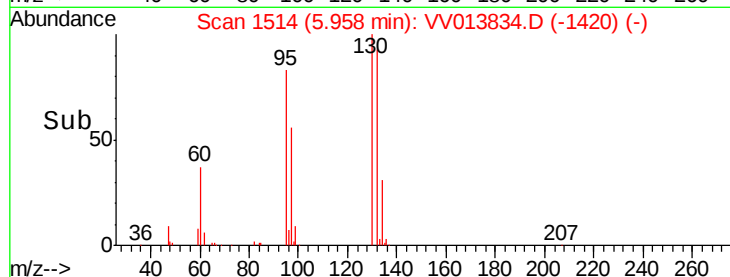
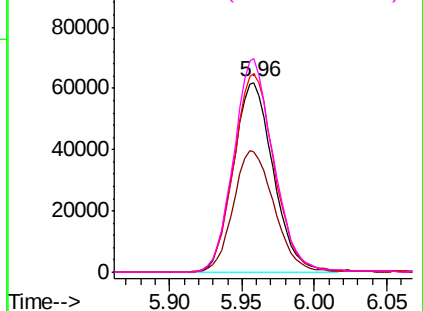
#34
 Trichloroethene
 Concen: 5.753 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013834.D
 Acq: 27 Nov 2019 20:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 119368
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.6 84.8
 132 104.9 70.5 130.9
 130 112.5 75.9 140.9

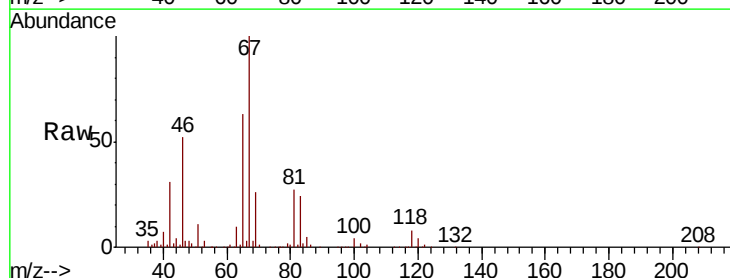


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

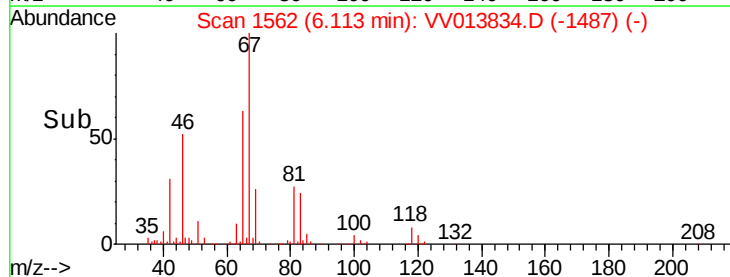
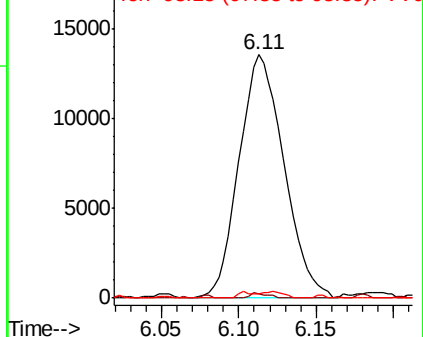


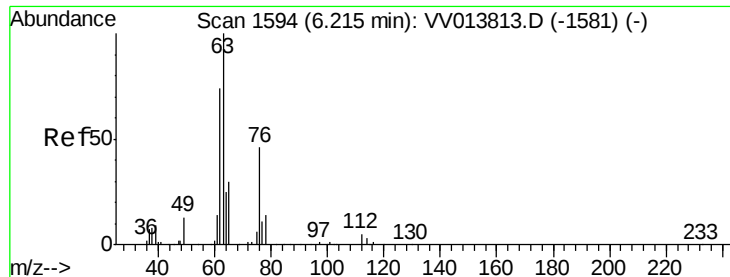
#35
 Methylcyclohexane
 Concen: 0.987 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV013834.D
 Acq: 27 Nov 2019 20:16

Tgt Ion: 83 Resp: 27333
 Ion Ratio Lower Upper
 83 100
 55 0.8 60.3 90.5#
 98 0.8 38.1 57.1#



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

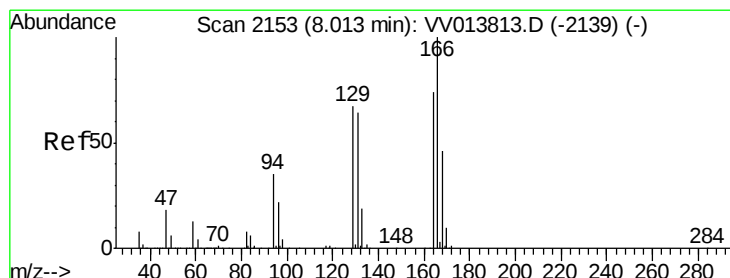
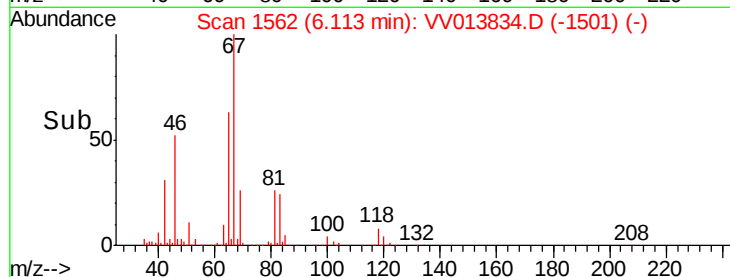
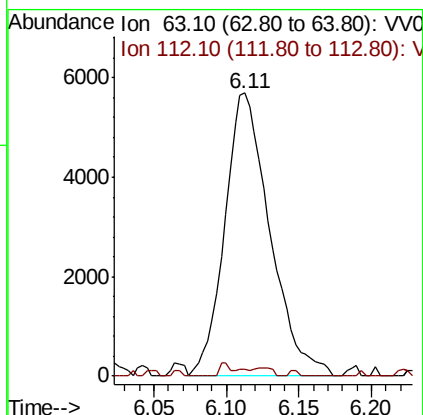
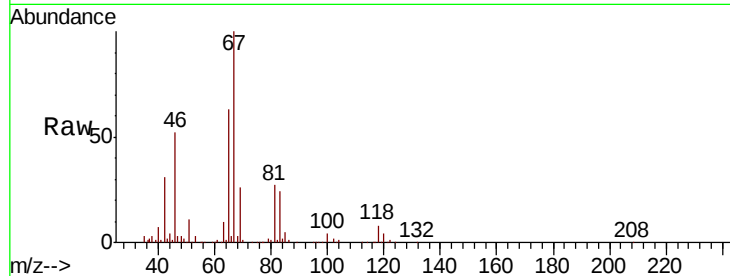




#37
 1,2-Dichloropropane
 Concen: 0.636 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013834.D
 Acq: 27 Nov 2019 20:16

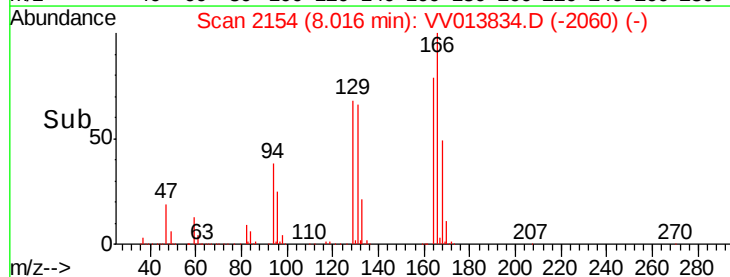
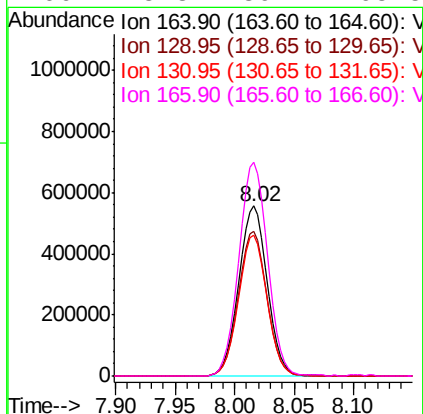
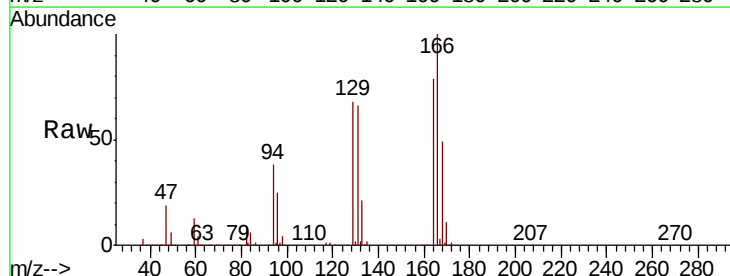
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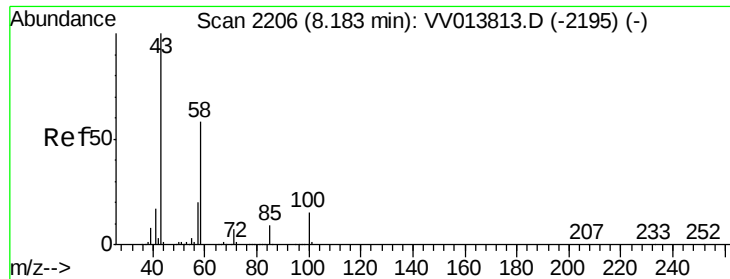
Tot Ion: 63 Resp: 12297
 Ion Ratio Lower Upper
 63 100
 112 1.8 4.4 6.6#



#47
 Tetrachloroethene
 Concen: 51.323 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013834.D
 Acq: 27 Nov 2019 20:16

Tgt Ion:164 Resp: 924665
 Ion Ratio Lower Upper
 164 100
 129 85.3 60.3 112.1
 131 83.1 59.9 111.3
 166 125.8 89.1 165.5

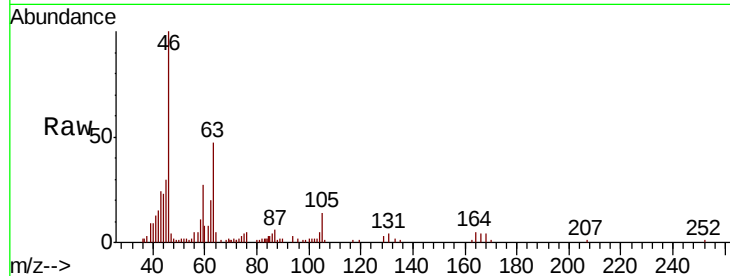




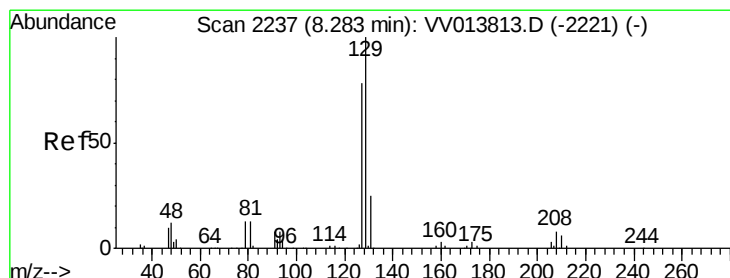
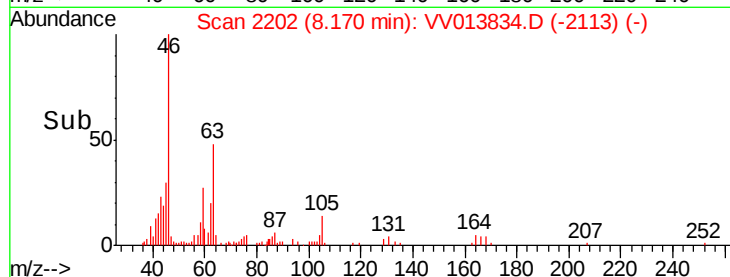
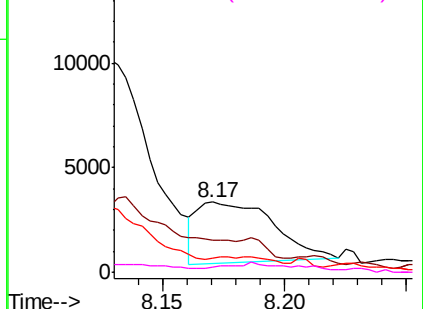
#48
2-Hexanone
Concen: 0.785 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. -0.01 min
Lab File: VV013834.D
Acq: 27 Nov 2019 20:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	6320
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.2	64.8#
57	0.0	15.4	23.2#
100	5.3	10.4	15.6#

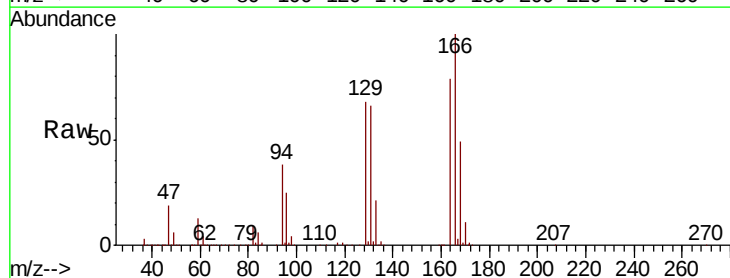


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

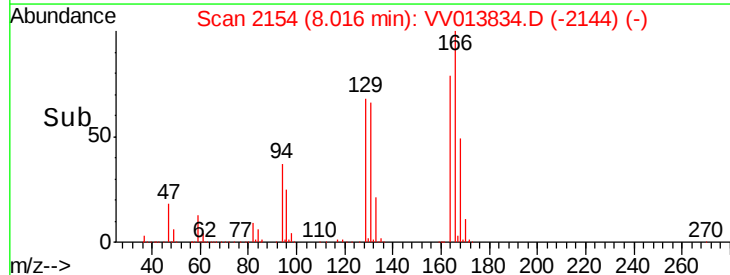
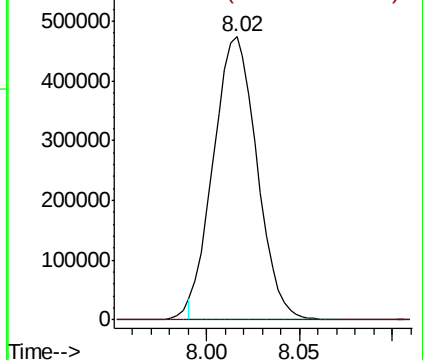


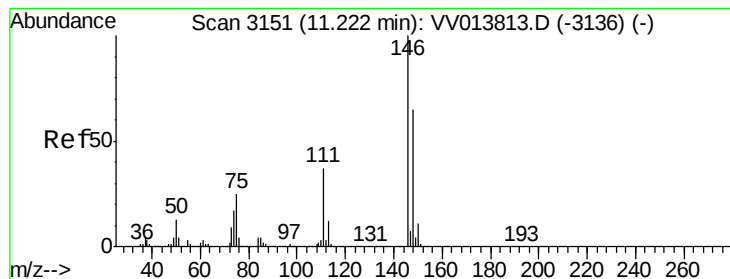
#49
Dibromochloromethane
Concen: 43.299 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013834.D
Acq: 27 Nov 2019 20:16

Tgt Ion:	129	Resp:	765060
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#62

1,3-Dichlorobenzene

Concen: 0.081 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

Instrument :

MSVOA_V

ClientSampleId :

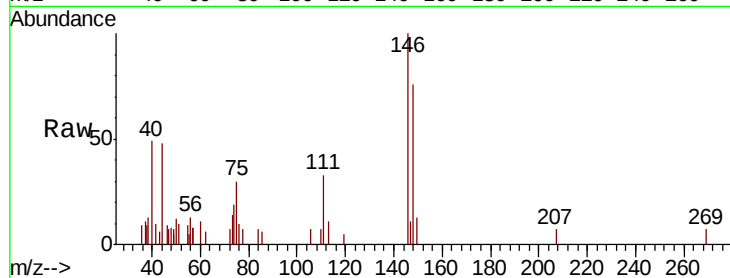
Tot Ion:146 Resp: 3217

Ion Ratio Lower Upper

146 100

111 33.5 25.6 47.6

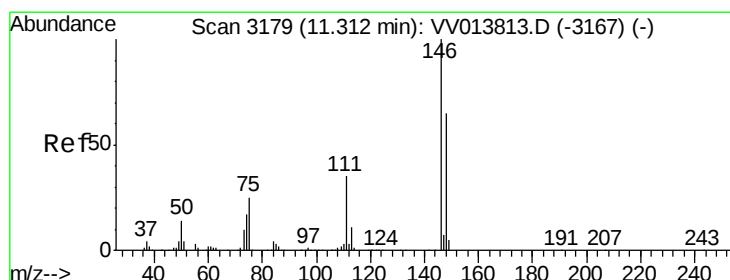
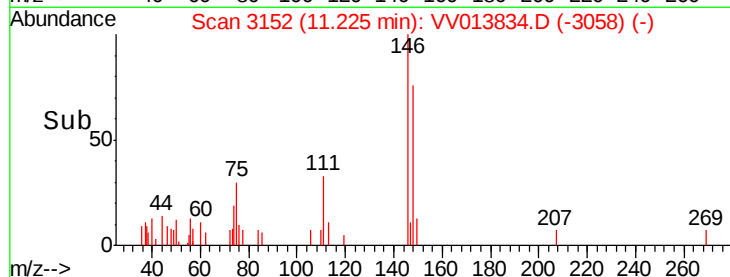
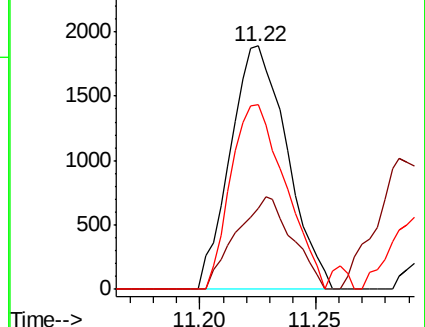
148 75.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.055 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013834.D

Acq: 27 Nov 2019 20:16

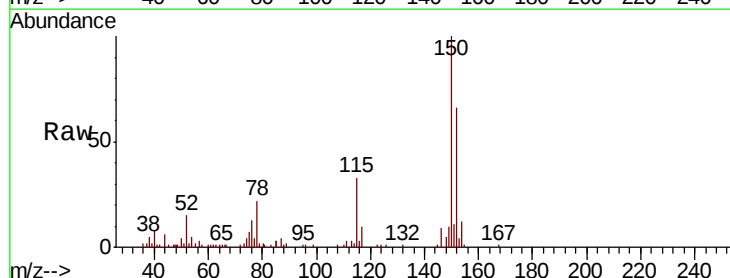
Tgt Ion:146 Resp: 2228

Ion Ratio Lower Upper

146 100

111 31.2 25.0 46.4

148 59.0 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

