

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015563.D
 Acq On : 17 Apr 2020 18:23
 Operator : SY/MD
 Sample : L2333-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:42:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	94097	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	88271	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	42495	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	22339	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.58	69	22949	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.12	63	50472	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	3.91	46	73807	53.84	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.68%
24) Chloroform-d	4.38	84	52827	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	29251	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.08	84	97966	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.09	67	31336	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	87793	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.65	79	7624	2.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	57.40%
46) 2-Hexanone-d5	8.11	63	58709	45.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21757	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	32580	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
8) Chloroethane	1.33	64	16029	3.236 ug/L #	53
12) 1,1-Dichloroethene	2.13	96	27930	4.728 ug/L	94
19) 1,1-Dichloroethane	3.22	63	3753	0.299 ug/L	99
21) 2-Butanone	3.93	43	1888	1.206 ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	14559	2.107 ug/L	85
25) Chloroform	4.40	83	2188	0.170 ug/L	97
29) 1,1,1-Trichloroethane	4.64	97	7126	0.622 ug/L	99
31) Carbon tetrachloride	4.64	117	903	0.091 ug/L	85
34) Trichloroethene	5.94	95	12042	1.693 ug/L	95
35) Methylcyclohexane	6.10	83	7730	0.645 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4059	0.619 ug/L #	86
44) trans-1,3-Dichloropropene	7.64	75	431	0.051 ug/L #	82
47) Tetrachloroethene	8.00	164	14696	2.789 ug/L	97
48) 2-Hexanone	8.17	43	1898	0.631 ug/L #	72
49) Dibromochloromethane	8.00	129	14538	2.755 ug/L #	10

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Response via : Initial Calibration

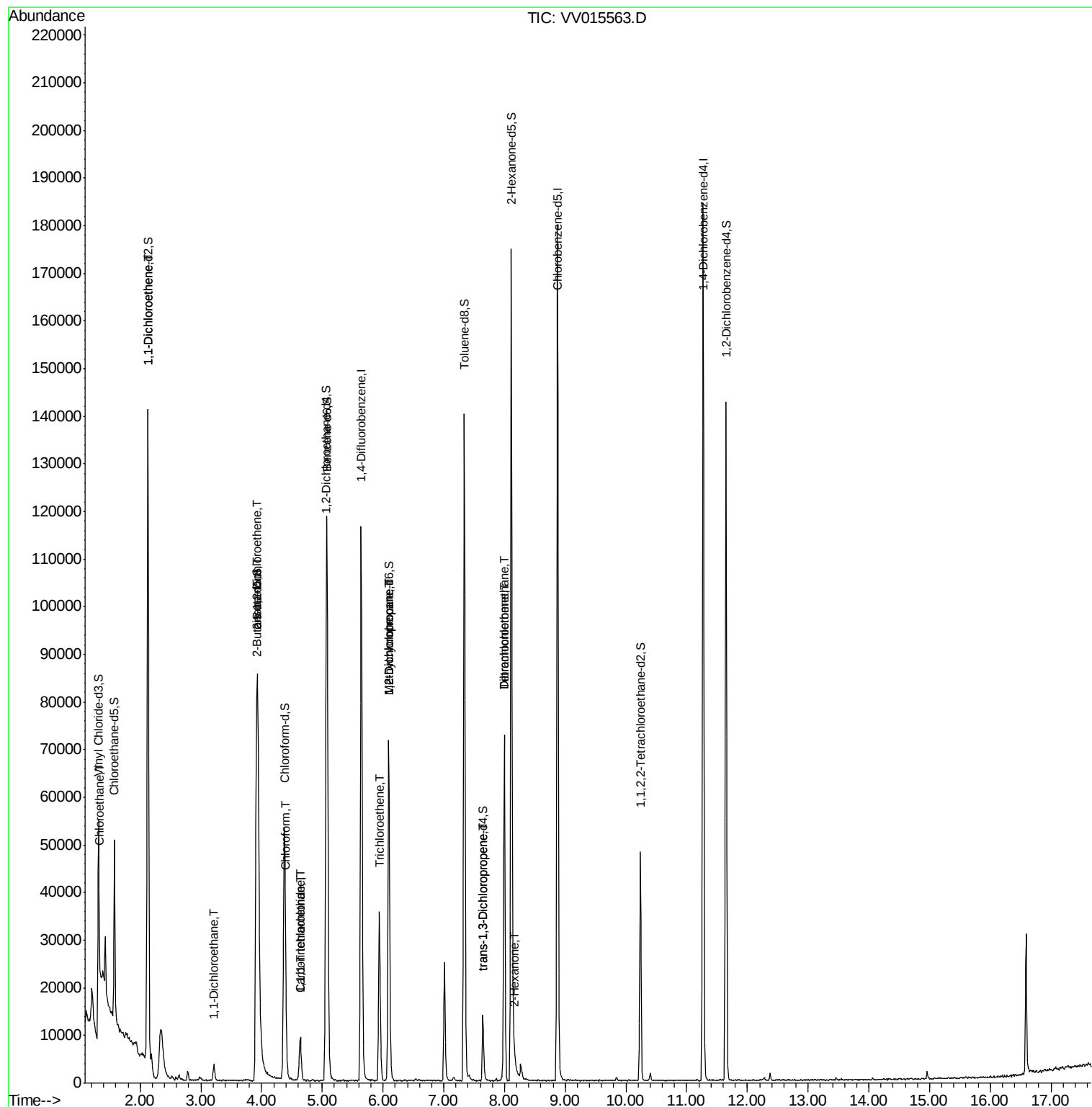
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

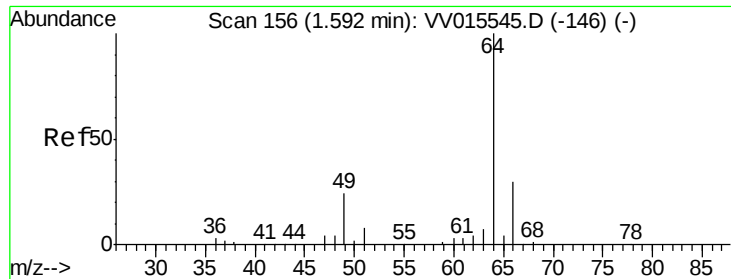
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Sat Apr 18 00:37:52 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 3.236 ug/L

RT: 1.33 min Scan# 75

Delta R.T. -0.26 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_V

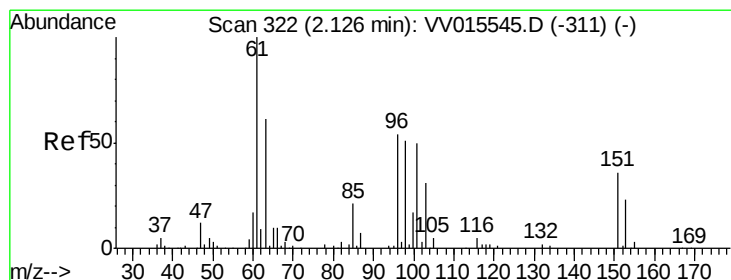
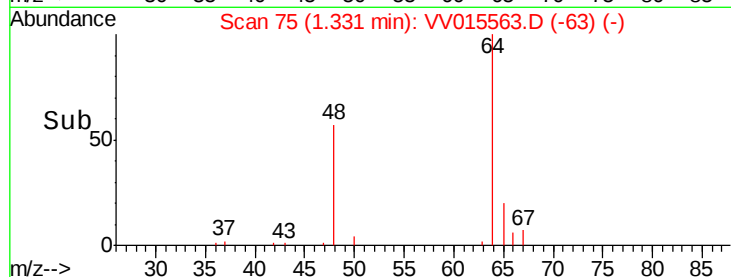
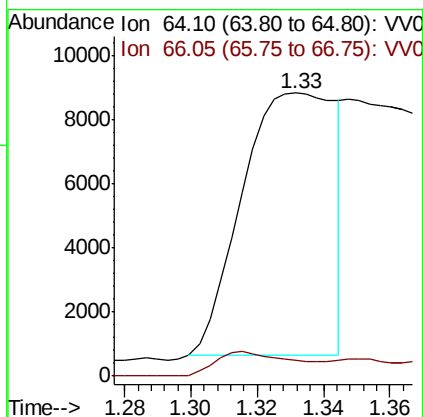
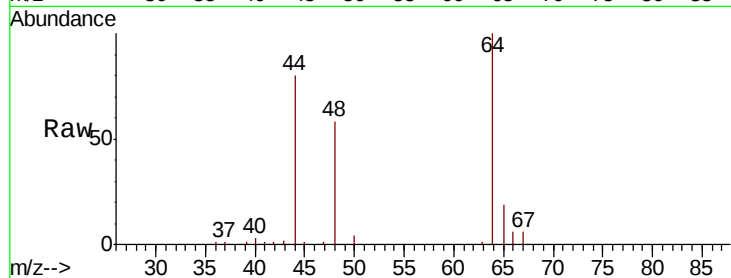
ClientSampleId :

Tot Ion: 64 Resp: 16029

Ion Ratio Lower Upper

64 100

66 5.5 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 4.728 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

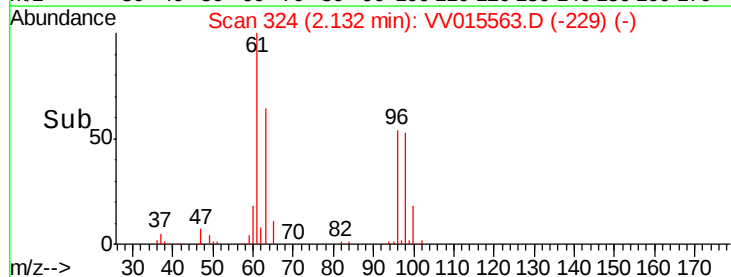
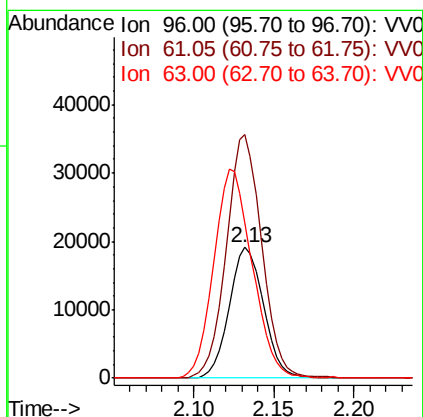
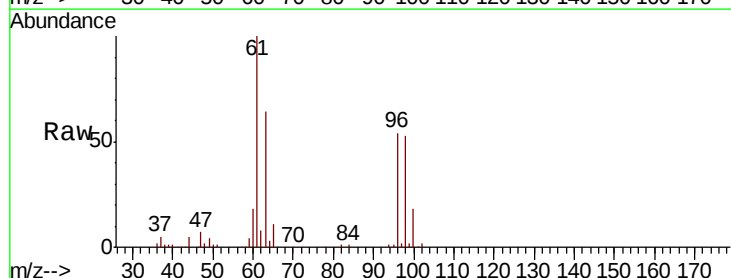
Tgt Ion: 96 Resp: 27930

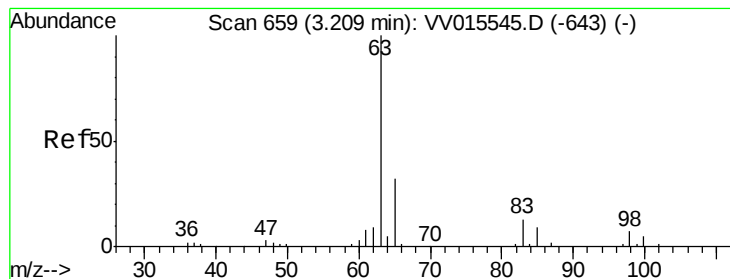
Ion Ratio Lower Upper

96 100

61 186.2 127.7 237.1

63 119.1 75.1 139.5





#19

1,1-Dichloroethane

Concen: 0.299 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_V

ClientSampleId :

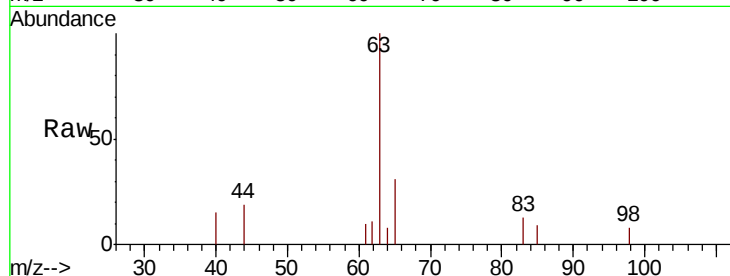
Tot Ion: 63 Resp: 3753

Ion Ratio Lower Upper

63 100

65 30.9 21.3 39.6

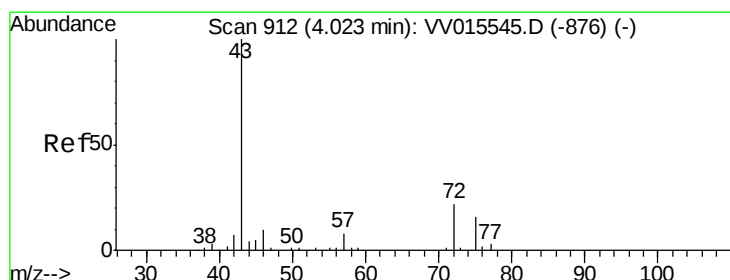
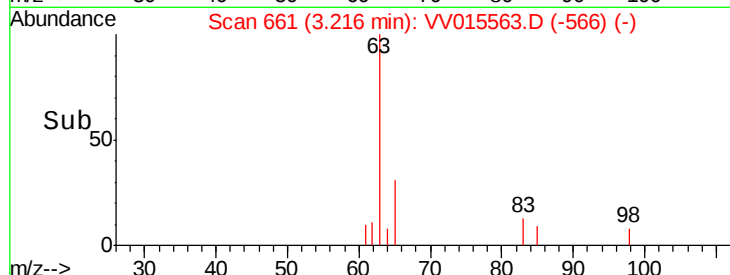
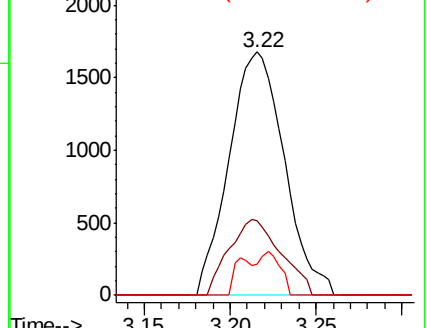
83 12.9 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV015545.D (-643) (-)

Ion 65.10 (64.80 to 65.80): VV015545.D (-643) (-)

Ion 83.05 (82.75 to 83.75): VV015545.D (-643) (-)



#21

2-Butanone

Concen: 1.206 ug/L

RT: 3.93 min Scan# 883

Delta R.T. -0.09 min

Lab File: VV015563.D

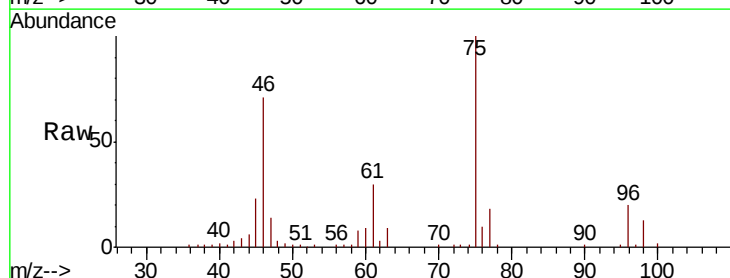
Acq: 17 Apr 2020 18:23

Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

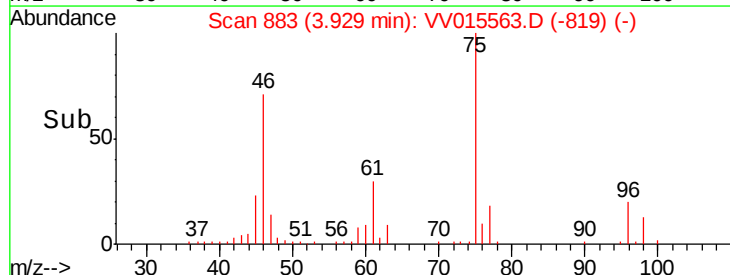
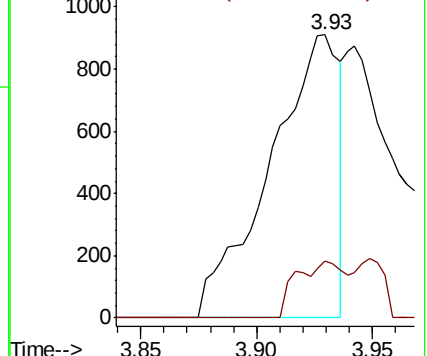
43 100

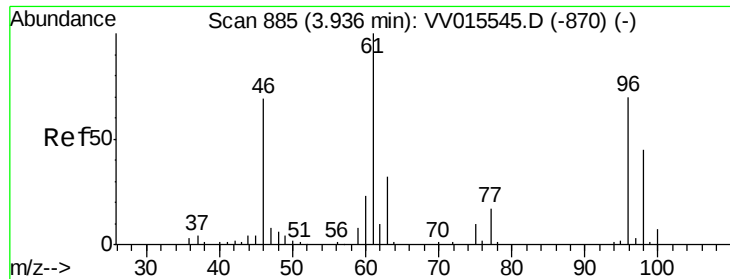
72 13.8 5.9 17.8



Abundance Ion 43.00 (42.70 to 43.70): VV015545.D (-876) (-)

Ion 72.00 (71.70 to 72.70): VV015545.D (-876) (-)

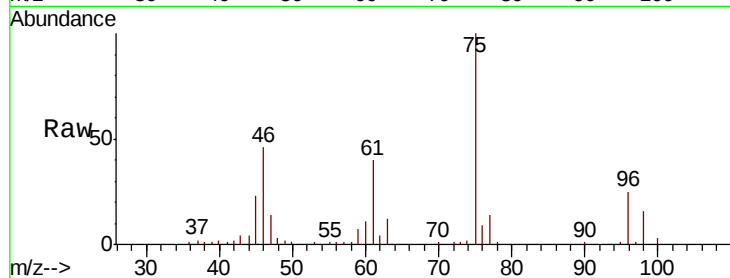




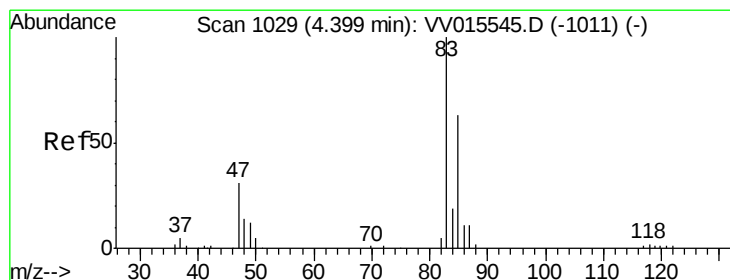
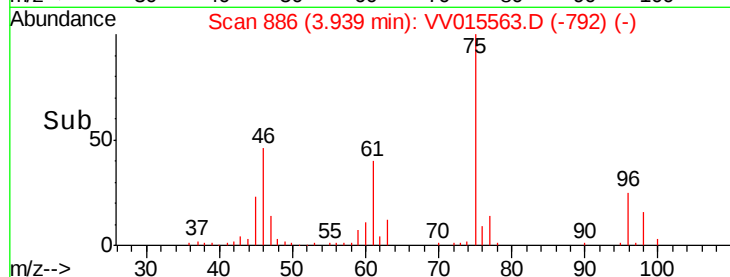
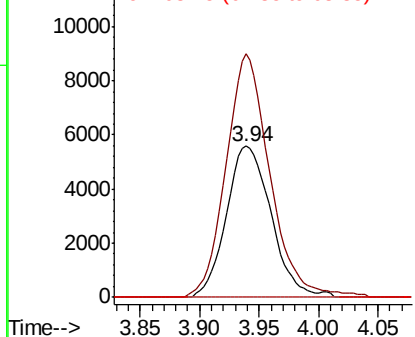
#22
 cis-1,2-Dichloroethene
 Concen: 2.107 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015563.D
 Acq: 17 Apr 2020 18:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 14559
 Ion Ratio Lower Upper
 96 100
 61 160.9 100.0 185.8
 68 0.0 0.0 0.0

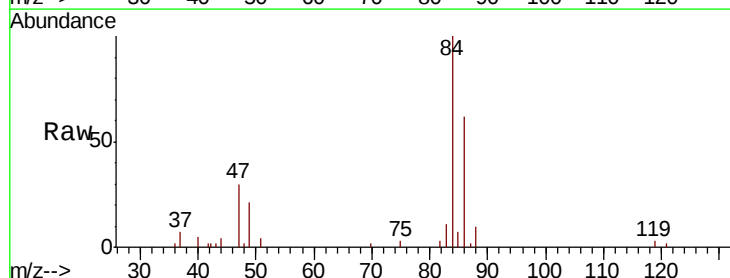


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

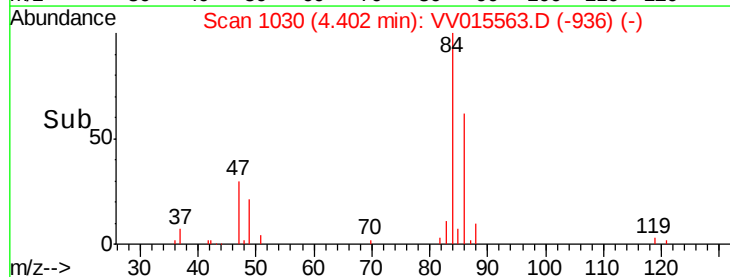
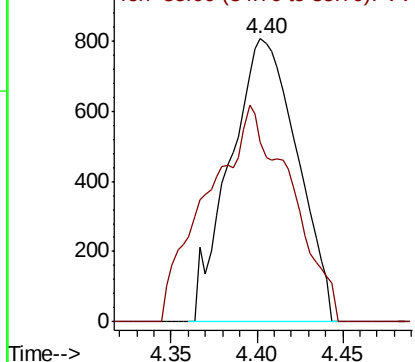


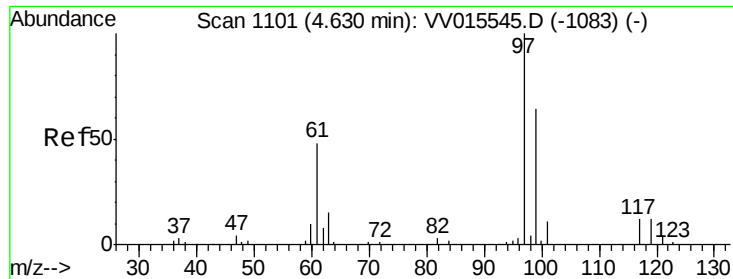
#25
 Chloroform
 Concen: 0.170 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV015563.D
 Acq: 17 Apr 2020 18:23

Tgt Ion: 83 Resp: 2188
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.9 85.3



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

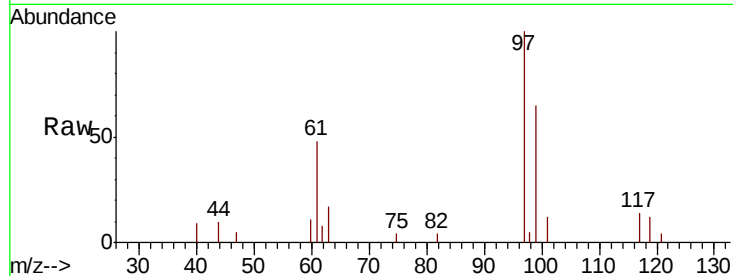




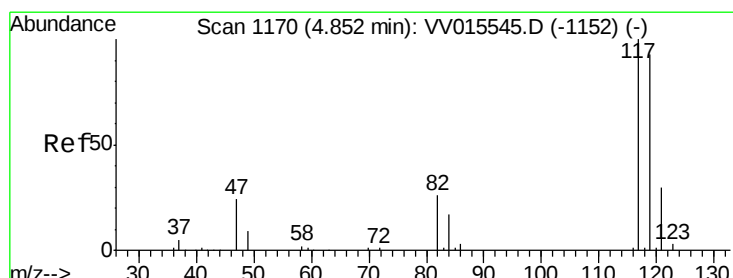
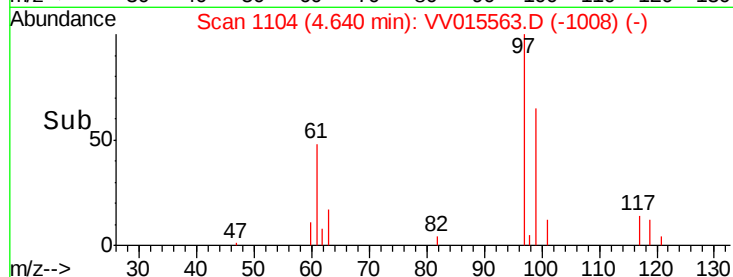
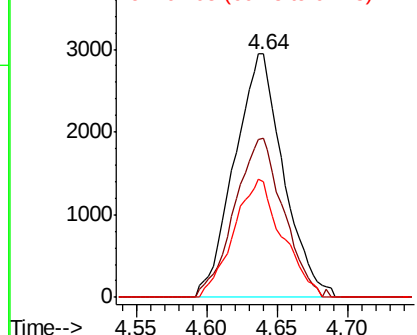
#29
 1,1,1-Trichloroethane
 Concen: 0.622 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV015563.D
 Acq: 17 Apr 2020 18:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 7126
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.6 77.4
 61 48.3 39.0 58.6

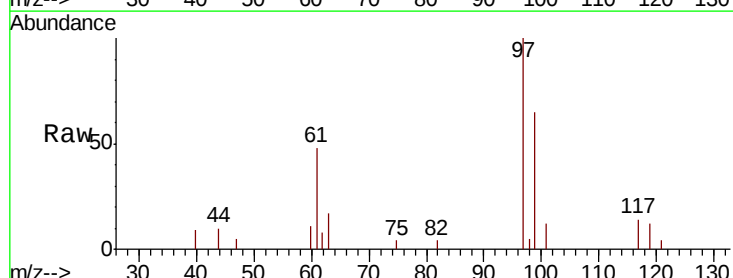


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

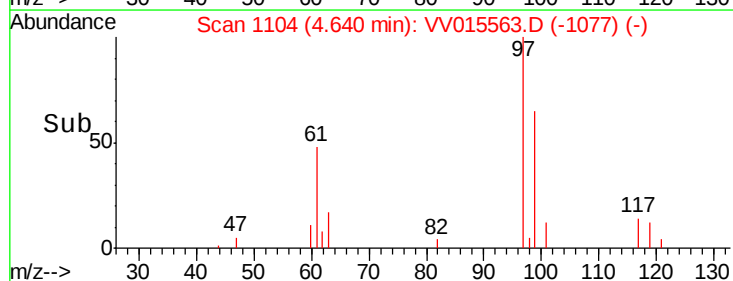
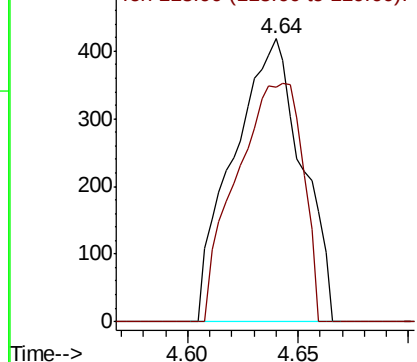


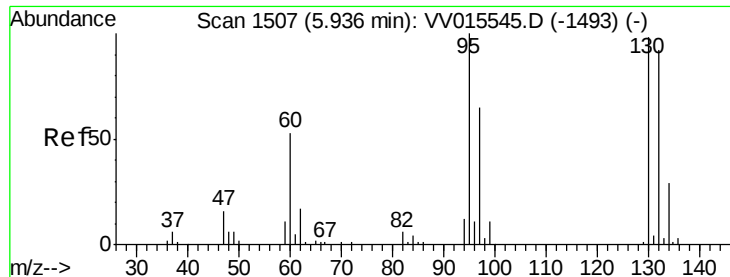
#31
 Carbon tetrachloride
 Concen: 0.091 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. -0.21 min
 Lab File: VV015563.D
 Acq: 17 Apr 2020 18:23

Tgt Ion: 117 Resp: 903
 Ion Ratio Lower Upper
 117 100
 119 81.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 1.693 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 12042

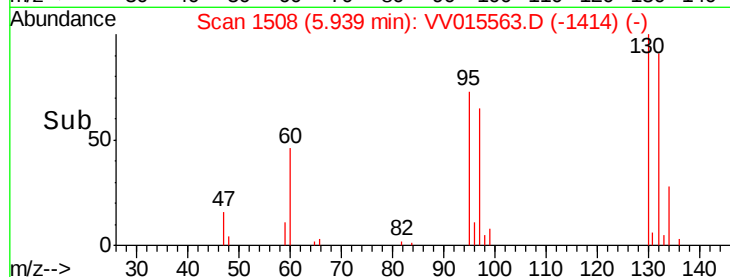
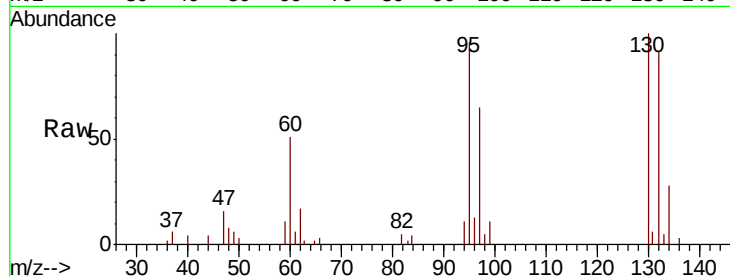
Ion Ratio Lower Upper

95 100

97 67.9 45.4 84.4

132 95.1 64.8 120.4

130 104.7 67.4 125.2

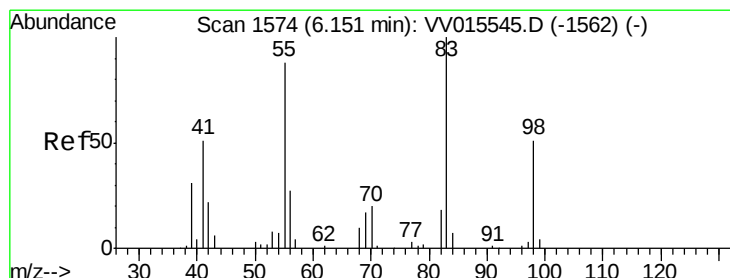
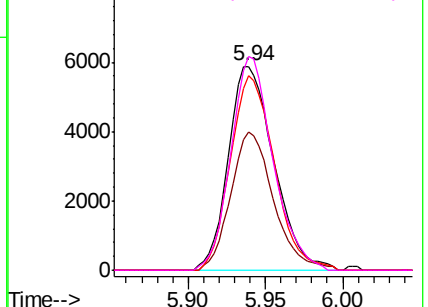


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.645 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

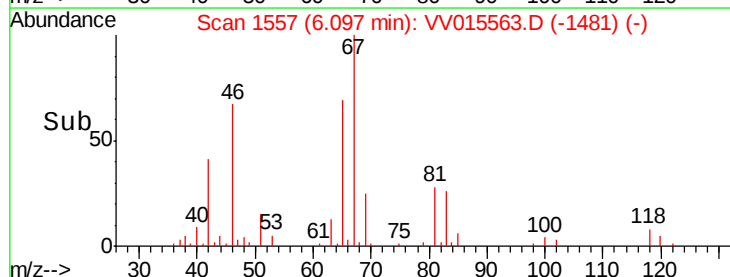
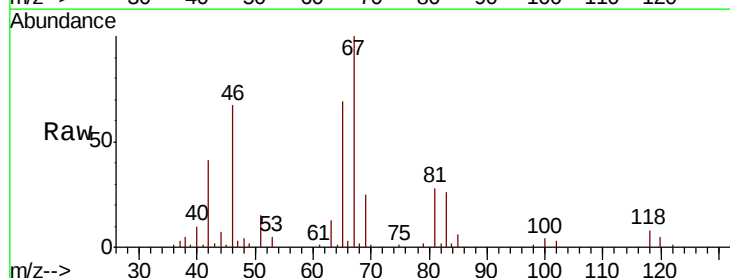
Tgt Ion: 83 Resp: 7730

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

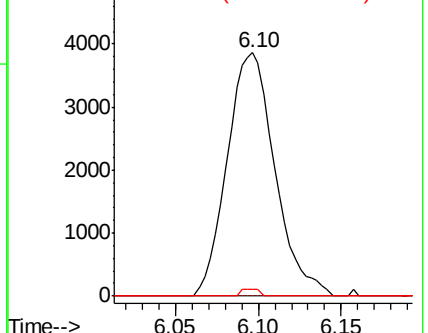
98 1.1 38.7 58.1#

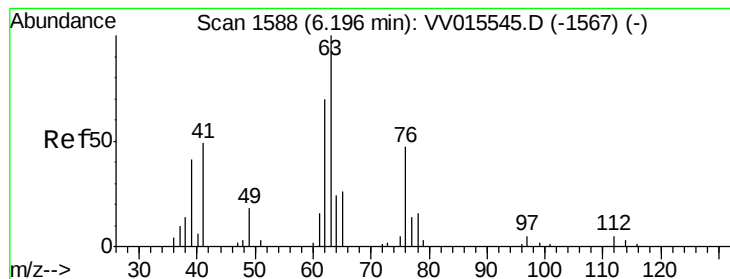


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.619 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_V

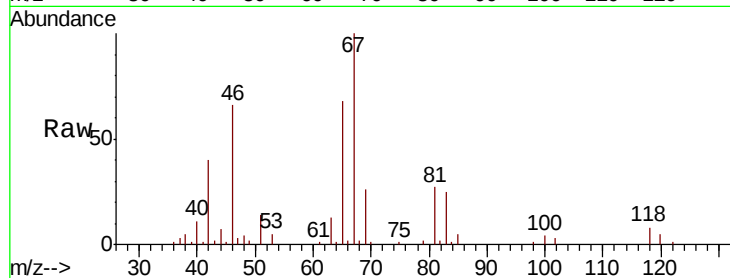
ClientSampleId :

Tot Ion: 63 Resp: 4059

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015545.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV015545.D (-1567) (-)

6.09

2000

1500

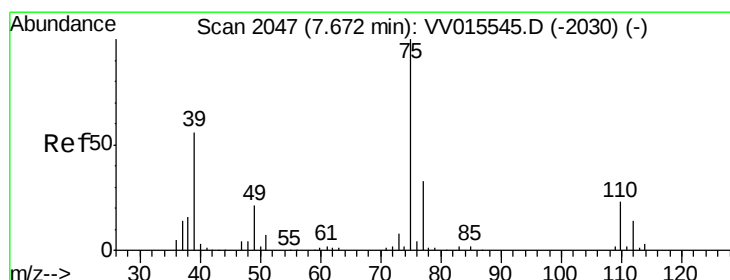
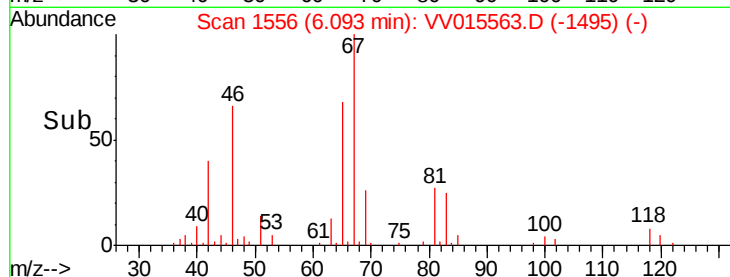
1000

500

0

6.05 6.10 6.15

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015563.D

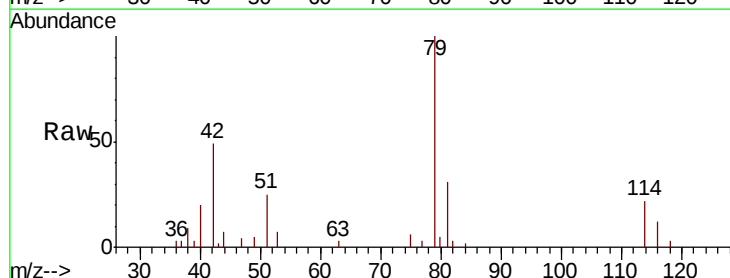
Acq: 17 Apr 2020 18:23

Tgt Ion: 75 Resp: 431

Ion Ratio Lower Upper

75 100

77 39.9 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VV015545.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015545.D (-2030) (-)

7.64

300

250

200

150

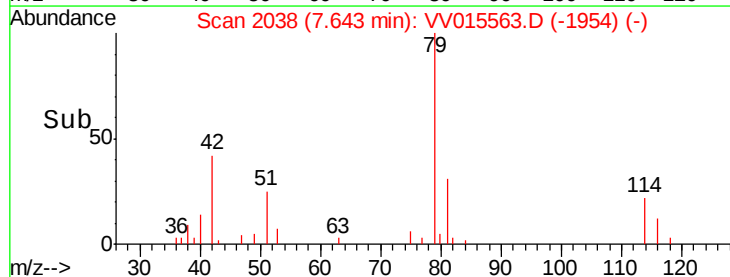
100

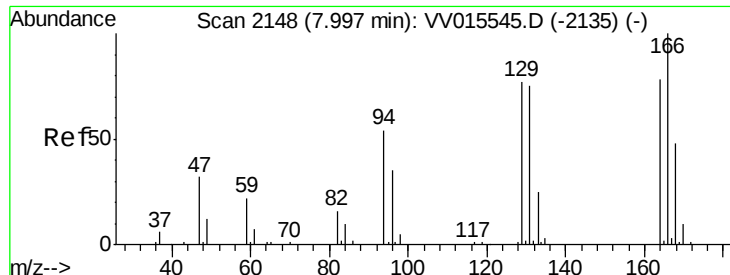
50

0

7.62 7.64 7.66 7.68

Time-->





#47

Tetrachloroethene

Concen: 2.789 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 14696

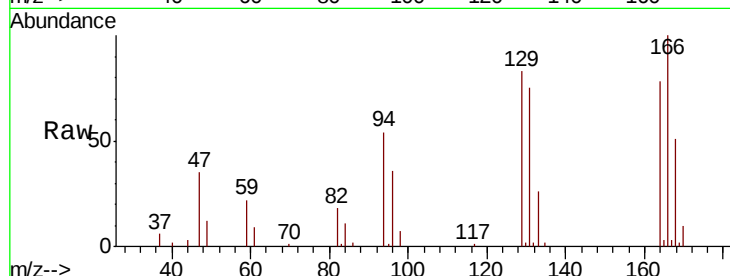
Ion Ratio Lower Upper

164 100

129 106.7 70.6 131.0

131 96.0 68.3 126.8

166 128.7 88.3 163.9

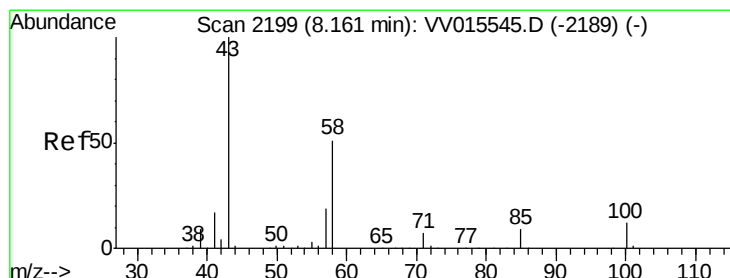
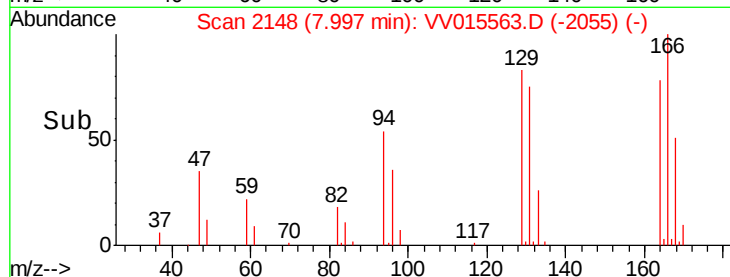
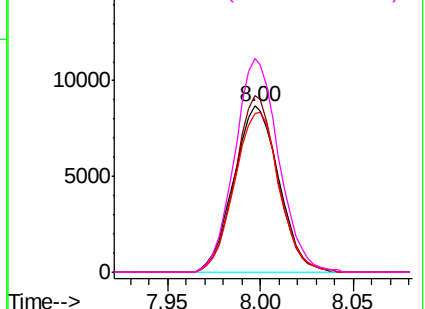


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.631 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Tgt Ion: 43 Resp: 1898

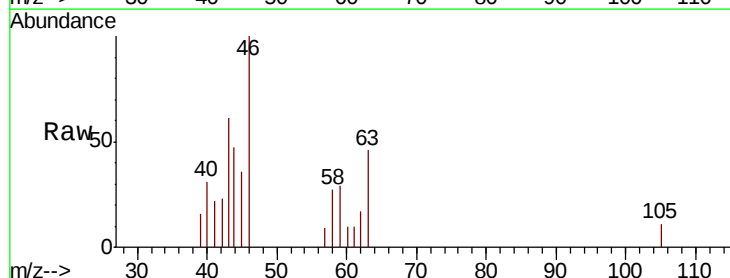
Ion Ratio Lower Upper

43 100

58 36.4 41.4 62.0#

57 0.0 15.0 22.4#

100 0.0 9.4 14.2#

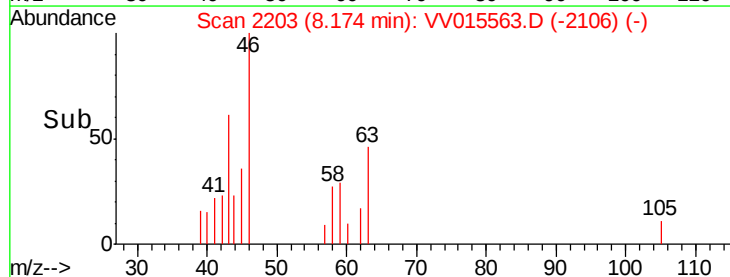
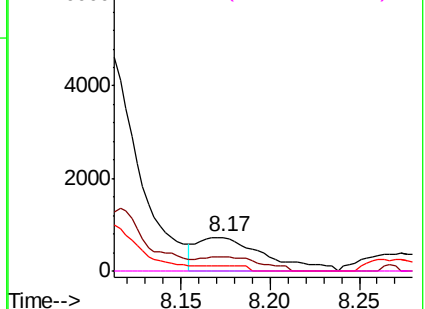


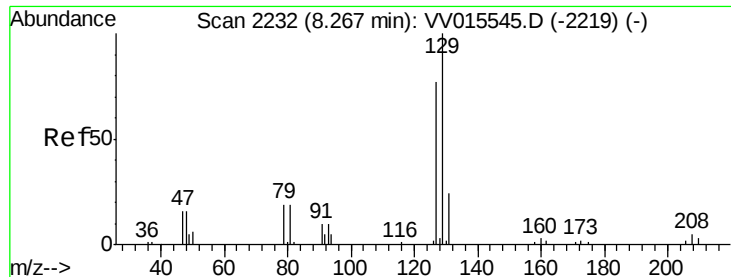
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 2.755 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015563.D

Acq: 17 Apr 2020 18:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 14538

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

