

Data File : VV013320.D
Acq On : 24 Oct 2019 20:10
Operator : SY/MD
Sample : K5457-07
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Quant Time: Oct 25 04:46:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	422594	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	458358	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	234853	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151145	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	125209	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	182236	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.02	46	332964	55.65	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.30%
24) Chloroform-d	4.40	84	345697	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.08	65	166682	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.10	84	713919	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	215500	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	593801	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.67	79	63221	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	8.14	63	220453	36.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	146150	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	239706	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

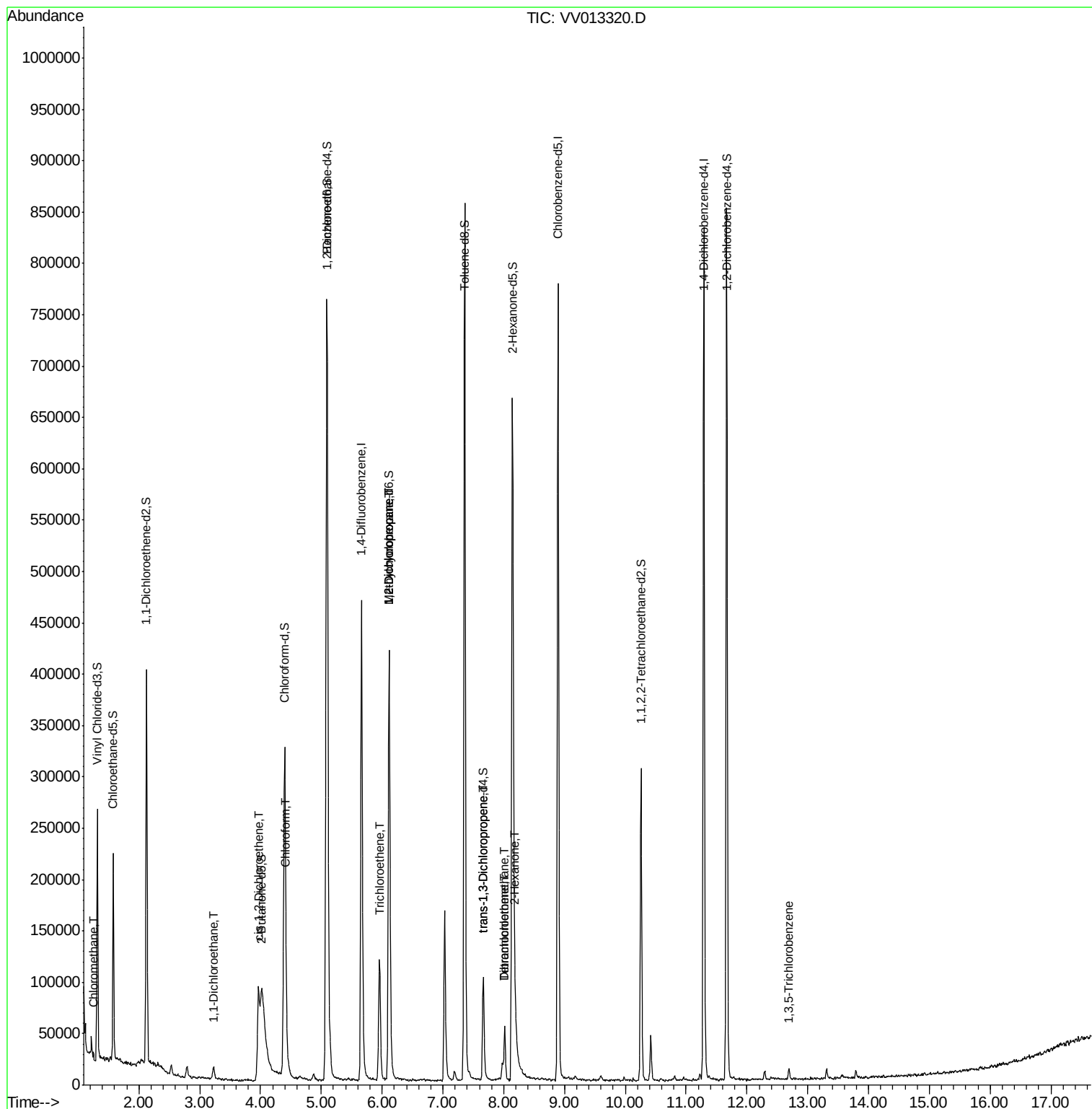
						Qvalue
3) Chloromethane	1.25	50	4896	0.121	ug/L	97
19) 1,1-Dichloroethane	3.23	63	11231	0.176	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	31878	0.760	ug/L #	91
25) Chloroform	4.43	83	15999	0.193	ug/L	99
34) Trichloroethene	5.96	95	39315	0.837	ug/L	98
35) Methylcyclohexane	6.12	83	51732	0.716	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	23298	0.548	ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	2673	0.059	ug/L #	69
47) Tetrachloroethene	8.01	164	13458	0.316	ug/L	94
48) 2-Hexanone	8.19	43	18455	1.190	ug/L #	46
49) Dibromochloromethane	8.02	129	9555	0.256	ug/L #	11
67) 1,3,5-Trichlorobenzene	12.69	180	3608	0.059	ug/L	96

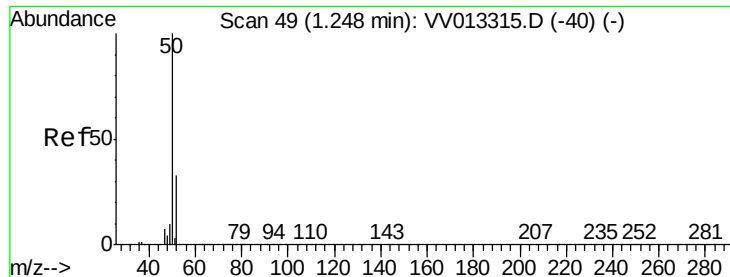
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.121 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

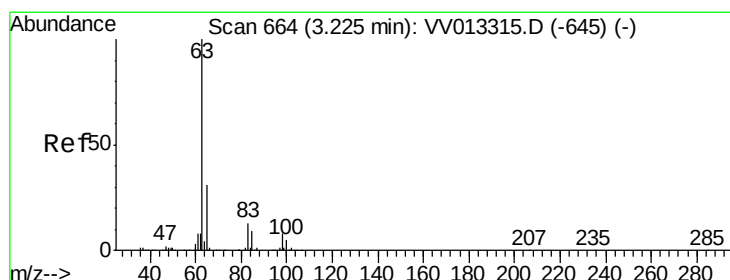
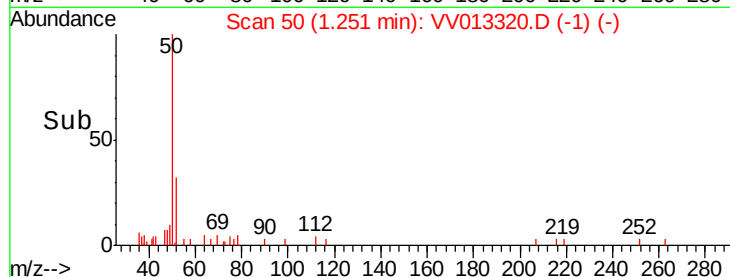
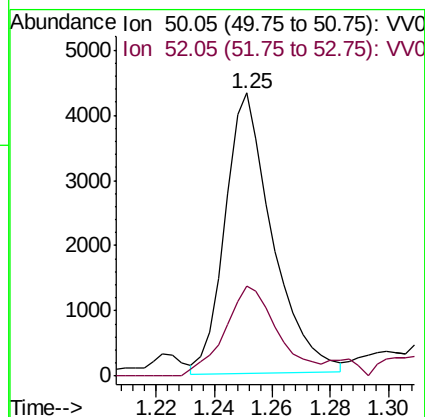
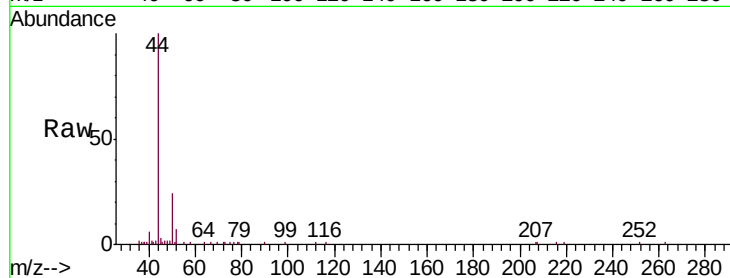
VSTD00553

Tgt Ion: 50 Resp: 4896

Ion Ratio Lower Upper

50 100

52 31.8 23.3 43.3



#19

1,1-Dichloroethane

Concen: 0.176 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

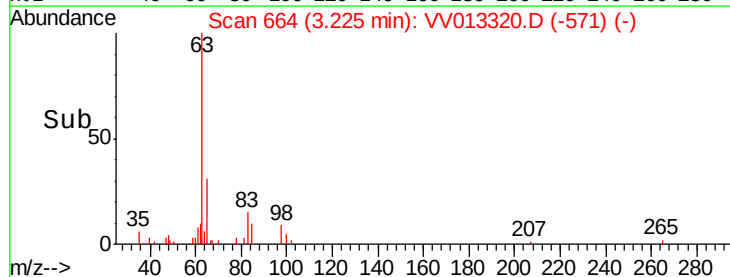
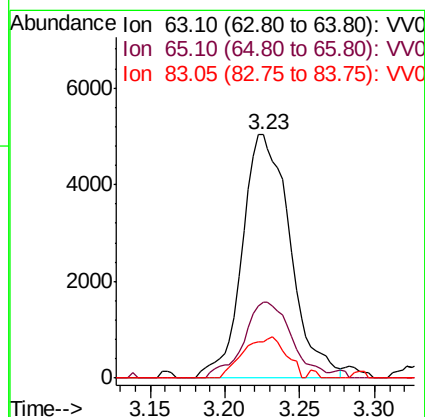
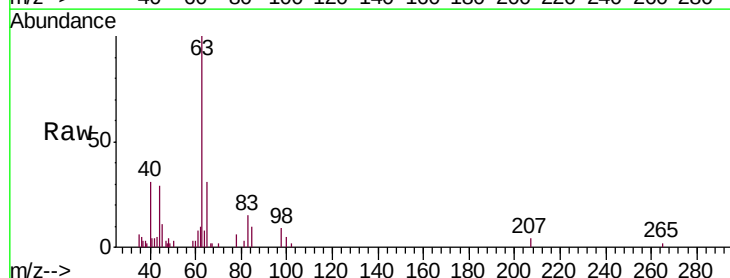
Tgt Ion: 63 Resp: 11231

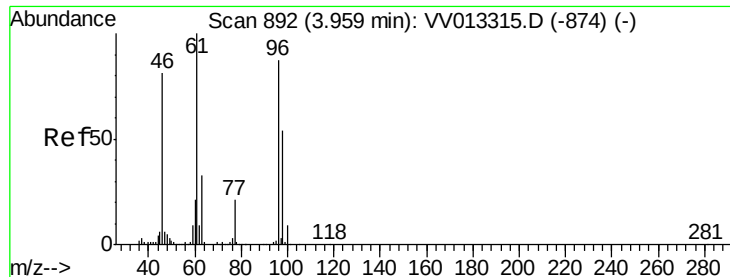
Ion Ratio Lower Upper

63 100

65 31.1 23.0 42.8

83 14.9 10.2 19.0



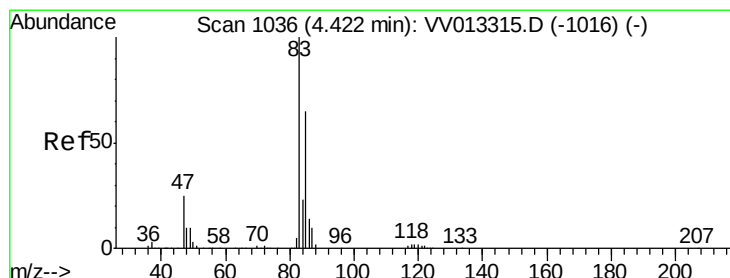
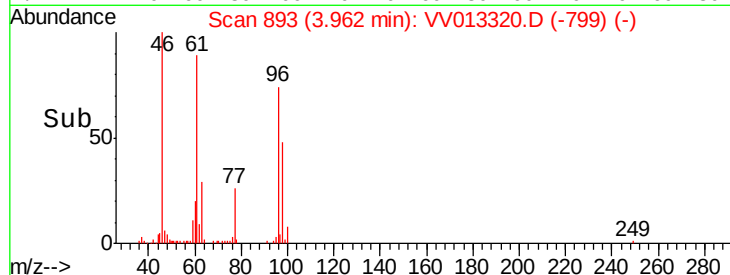
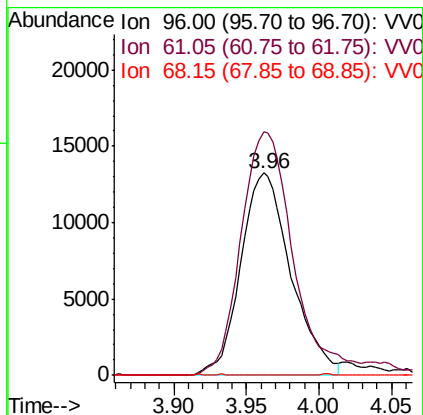
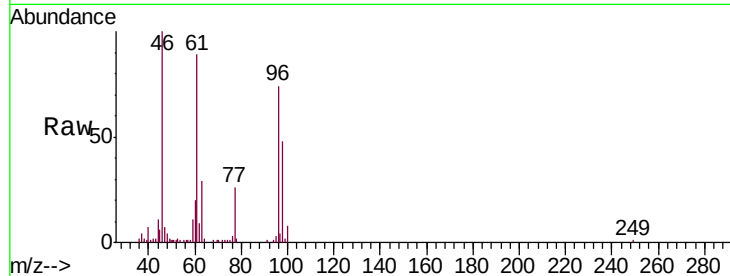


#22

cis-1,2-Dichloroethene
 Concen: 0.760 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013320.D
 Acq: 24 Oct 2019 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

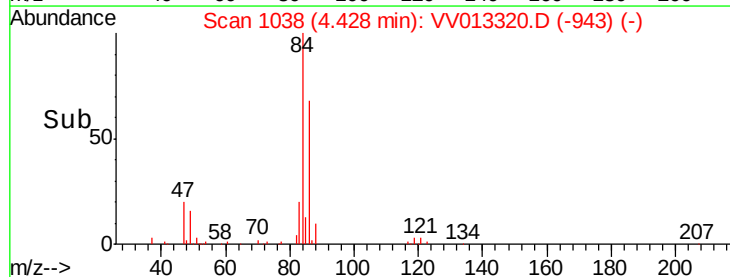
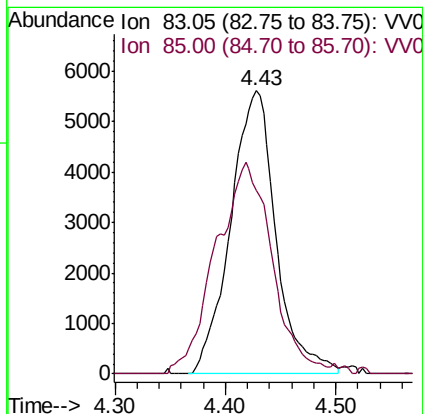
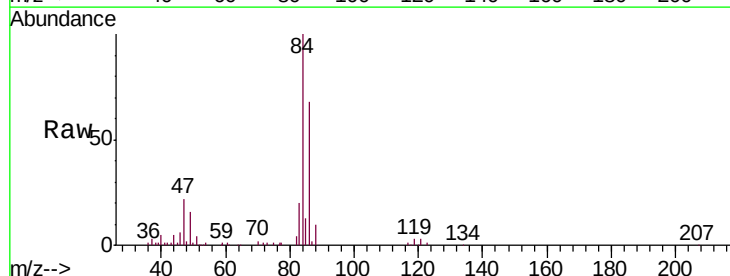
Tgt Ion: 96 Resp: 31878
 Ion Ratio Lower Upper
 96 100
 61 120.5 77.3 143.7
 68 0.0 0.1 0.1#

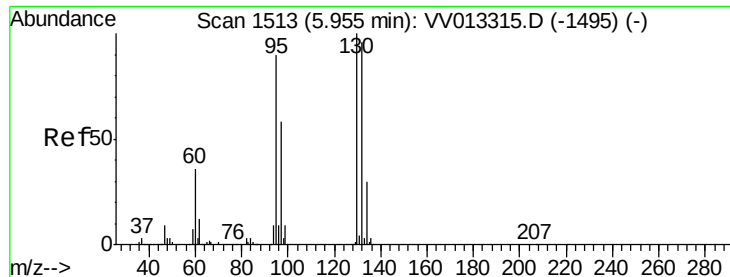


#25

Chloroform
 Concen: 0.193 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV013320.D
 Acq: 24 Oct 2019 20:10

Tgt Ion: 83 Resp: 15999
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.7 84.9





#34

Trichloroethene

Concen: 0.837 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tgt Ion: 95 Resp: 39315

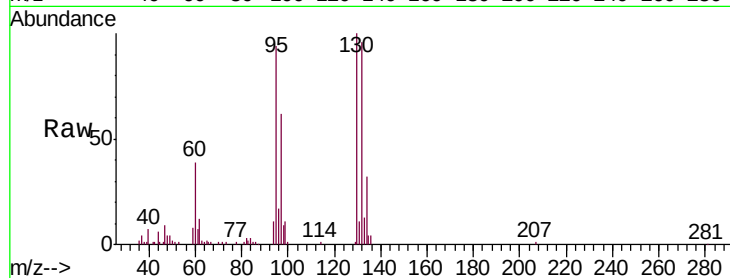
Ion Ratio Lower Upper

95 100

97 65.8 45.2 84.0

132 103.0 70.6 131.2

130 106.8 75.5 140.3

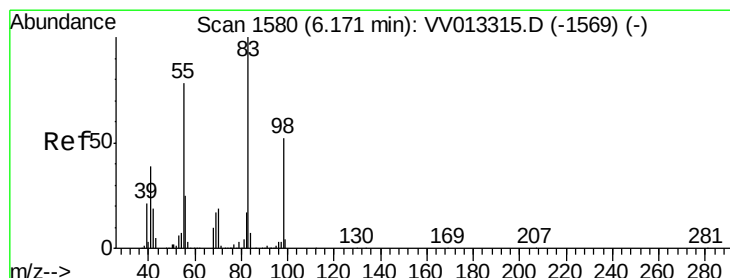
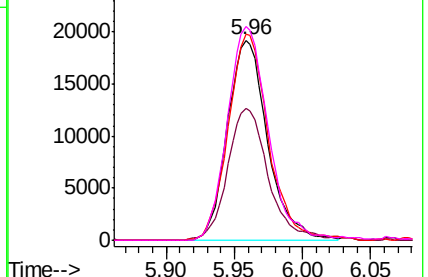
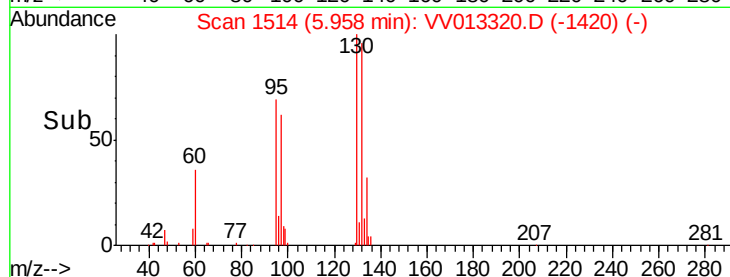


Abundance Ion 95.00 (94.70 to 95.70): VV013320.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013320.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV013320.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013320.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.716 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

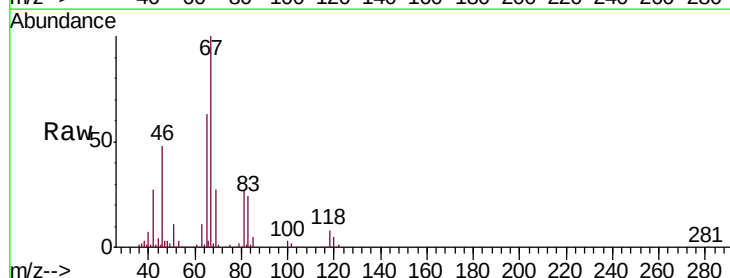
Tgt Ion: 83 Resp: 51732

Ion Ratio Lower Upper

83 100

55 0.7 62.4 93.6#

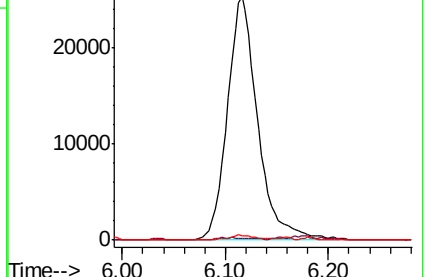
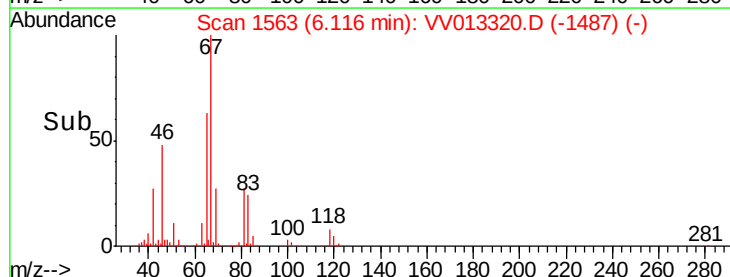
98 1.8 39.2 58.8#

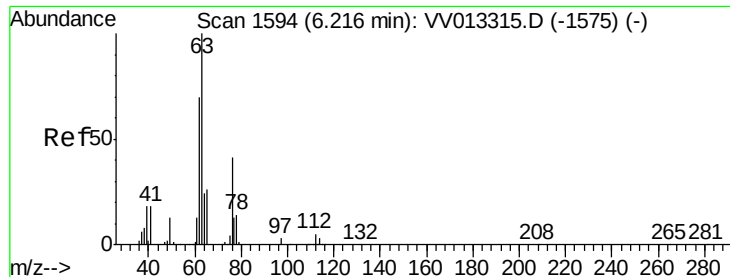


Abundance Ion 83.15 (82.85 to 83.85): VV013320.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV013320.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV013320.D (-1487) (-)

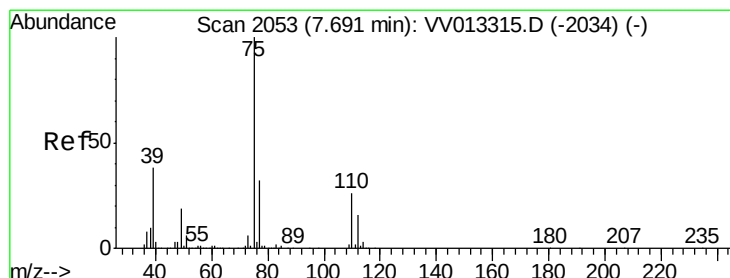
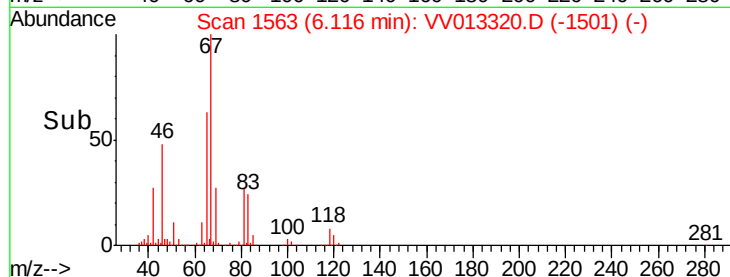
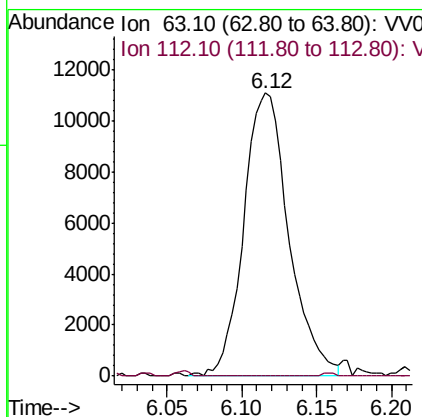
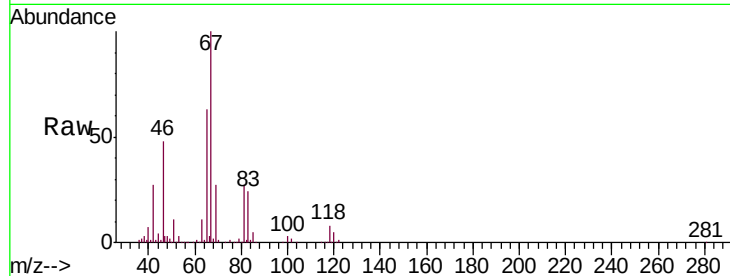




#37
 1,2-Dichloropropane
 Concen: 0.548 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013320.D
 Acq: 24 Oct 2019 20:10

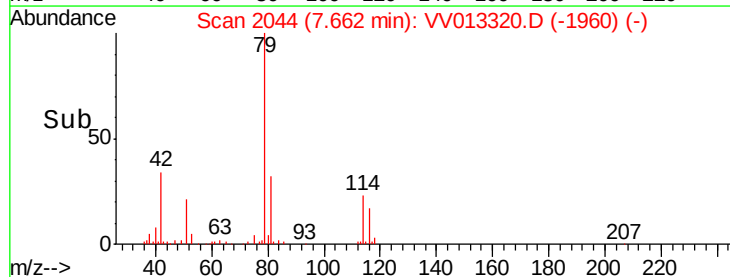
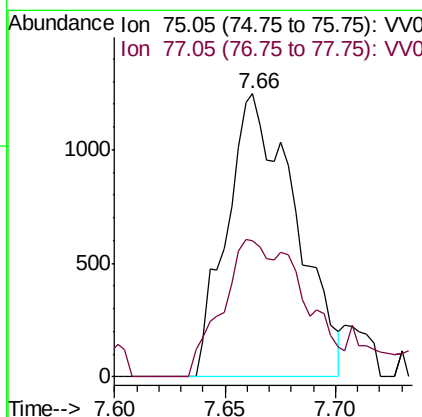
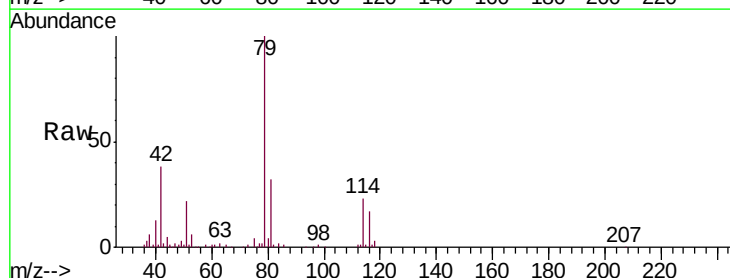
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

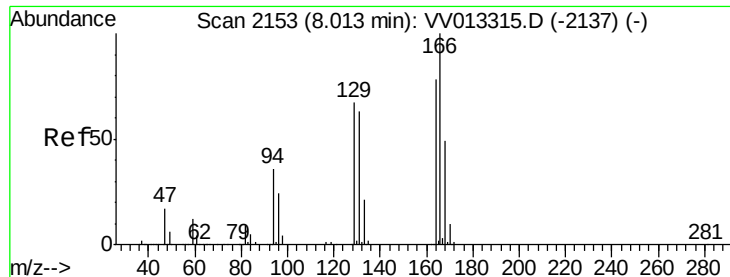
Tgt Ion: 63 Resp: 23298
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.1 6.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV013320.D
 Acq: 24 Oct 2019 20:10

Tgt Ion: 75 Resp: 2673
 Ion Ratio Lower Upper
 75 100
 77 48.1 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.316 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tgt Ion:164 Resp: 13458

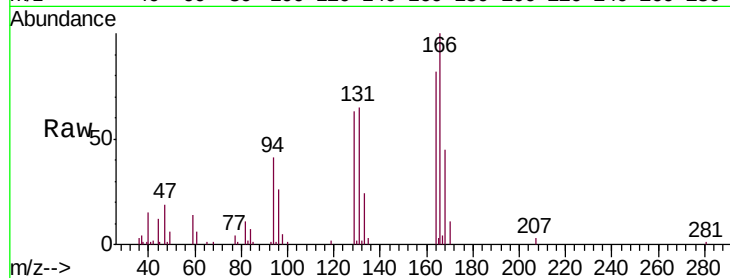
Ion Ratio Lower Upper

164 100

129 76.5 61.0 113.2

131 78.9 57.5 106.9

166 121.5 87.8 163.0

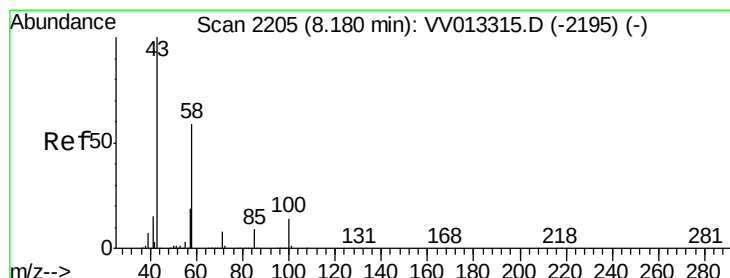
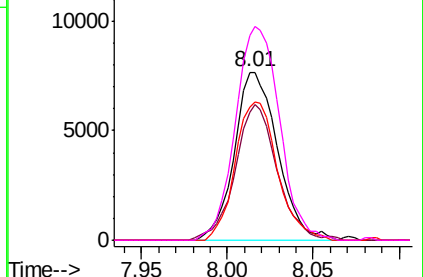
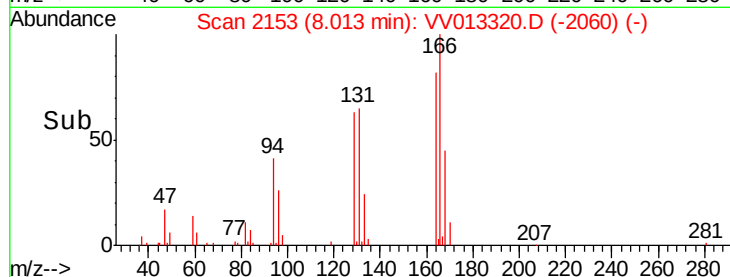


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.190 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

Tgt Ion: 43 Resp: 18455

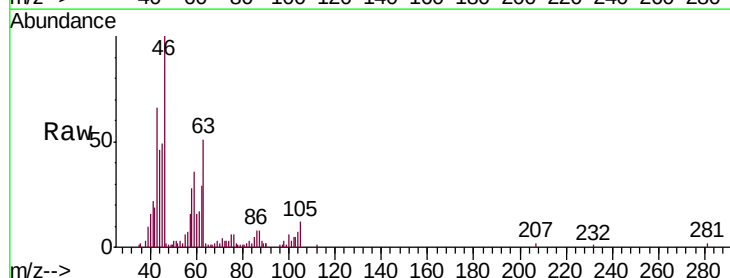
Ion Ratio Lower Upper

43 100

58 0.0 45.1 67.7#

57 10.9 15.5 23.3#

100 10.6 10.2 15.2

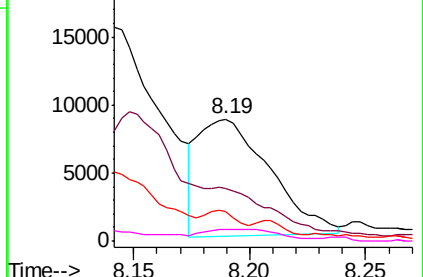
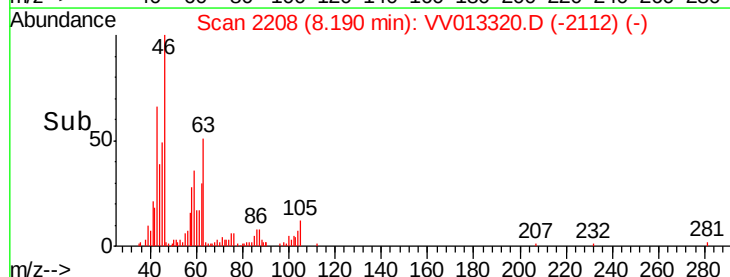


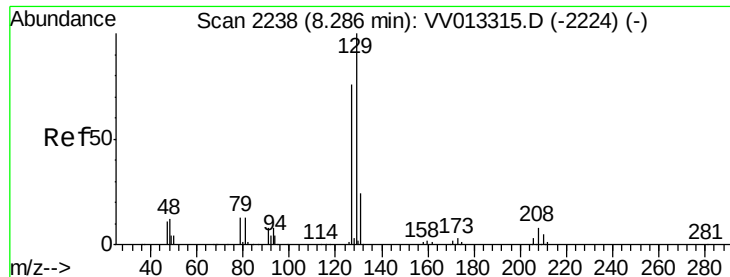
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.256 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

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ClientSampleId :

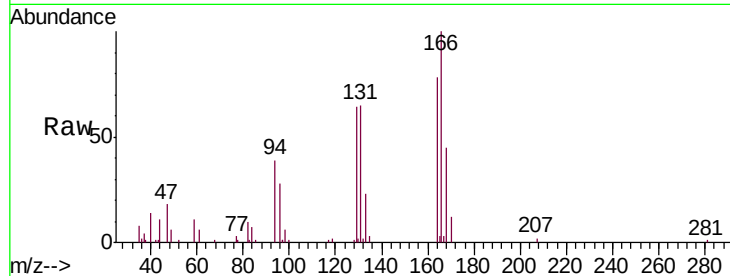
VSTD00553

Tgt Ion:129 Resp: 9555

Ion Ratio Lower Upper

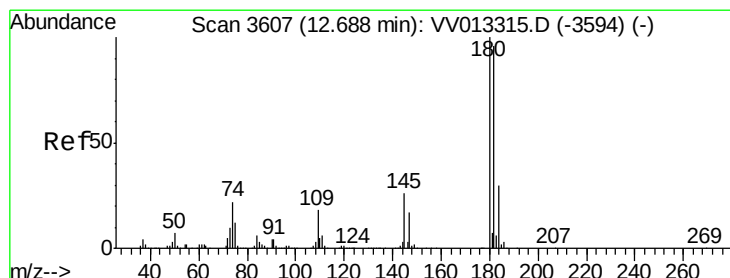
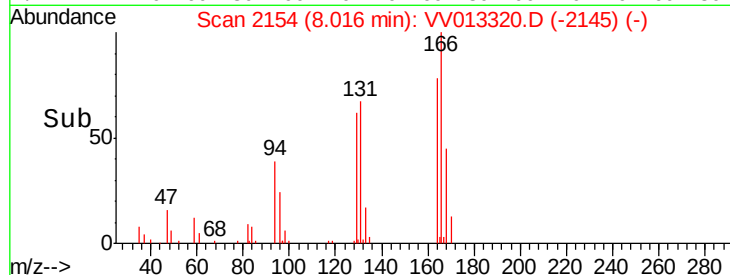
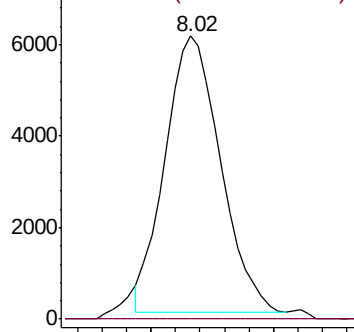
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#67

1,3,5-Trichlorobenzene

Concen: 0.059 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.01 min

Lab File: VV013320.D

Acq: 24 Oct 2019 20:10

Tgt Ion:180 Resp: 3608

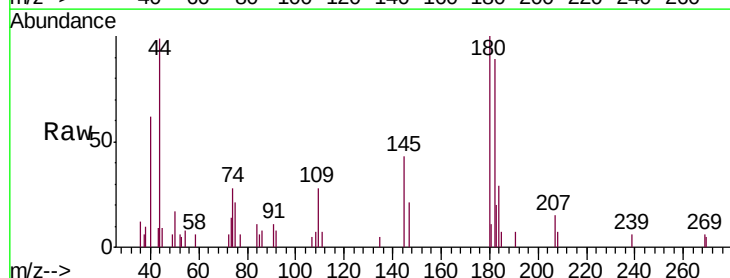
Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.2

184 28.0 24.0 36.0

145 32.4 21.8 32.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

