

Data File : VV013318.D
Acq On : 24 Oct 2019 19:23
Operator : SY/MD
Sample : K5457-04DL 4X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Oct 25 04:45:39 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	401390	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	428741	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	229273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143894	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	127783	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.13	63	186835	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.96	46	377915	66.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.00%#
24) Chloroform-d	4.40	84	364783	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.08	65	174750	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.09	84	736036	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.12	67	226212	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.36	98	613658	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	77834	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.14	63	247353	43.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	158742	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	252977	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	3680	0.095	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2341	0.071	ug/L #	18
12) 1,1-Dichloroethene	2.14	96	22014	0.698	ug/L #	1
14) Carbon disulfide	2.31	76	3949	0.044	ug/L #	59
16) Methylene chloride	2.53	84	10973	0.231	ug/L	95
19) 1,1-Dichloroethane	3.22	63	5963	0.099	ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	229025	5.752	ug/L	90
25) Chloroform	4.43	83	16964	0.215	ug/L	97
27) 1,2-Dichloroethane	5.09	62	4404	0.105	ug/L	97
34) Trichloroethene	5.96	95	241080	5.488	ug/L	95
35) Methylcyclohexane	6.11	83	55439	0.820	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	23598	0.593	ug/L #	86
47) Tetrachloroethene	8.02	164	68115	1.707	ug/L	97
48) 2-Hexanone	8.18	43	20784	1.432	ug/L #	71
49) Dibromochloromethane	8.02	129	58521	1.674	ug/L #	11
63) 1,4-Dichlorobenzene	11.32	146	4801	0.059	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	5029	0.084	ug/L #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

Data File : VV013318.D
Acq On : 24 Oct 2019 19:23
Operator : SY/MD
Sample : K5457-04DL 4X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Oct 25 04:45:39 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

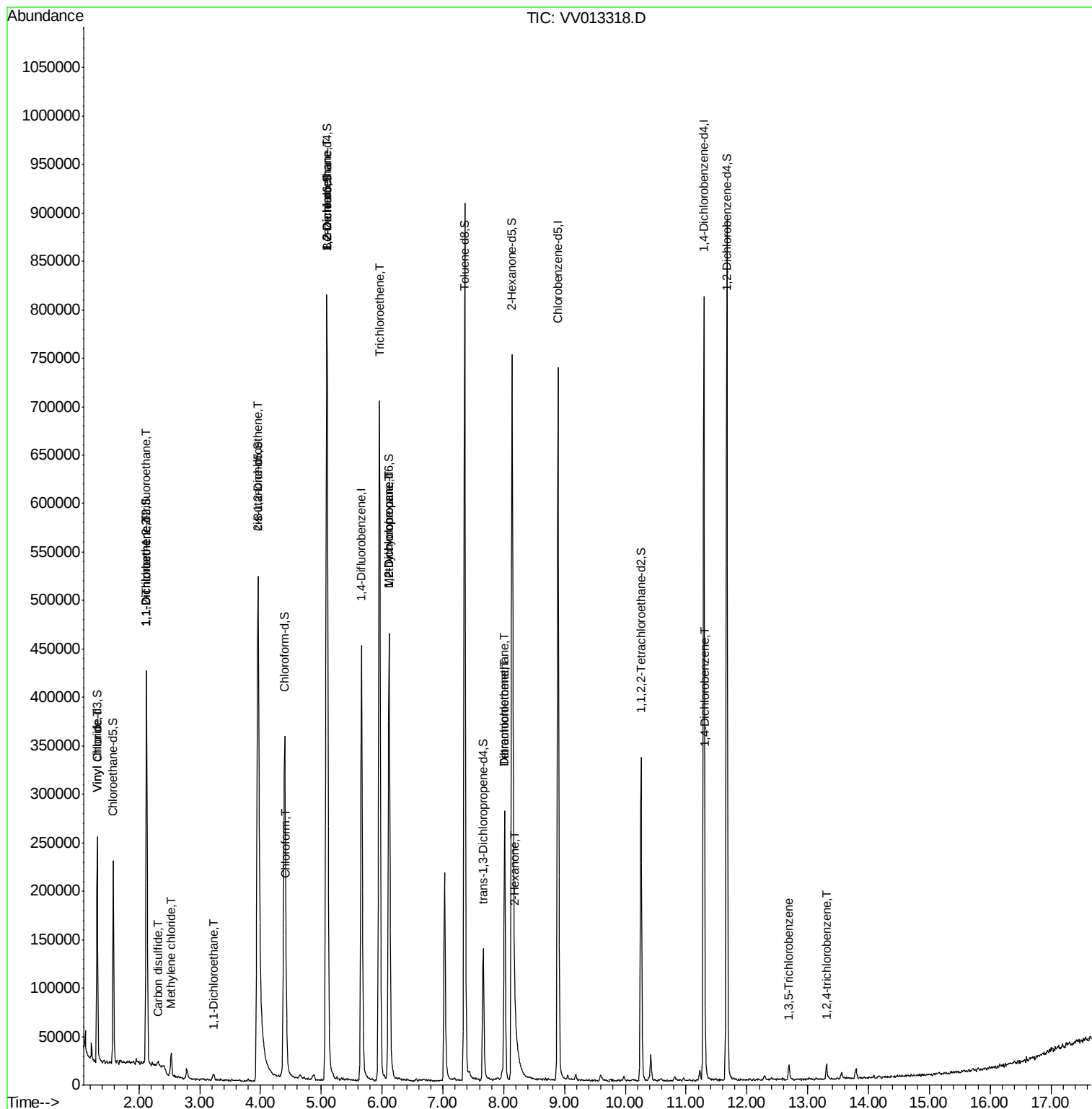
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.31	180	4752	0.091	ug/L	89

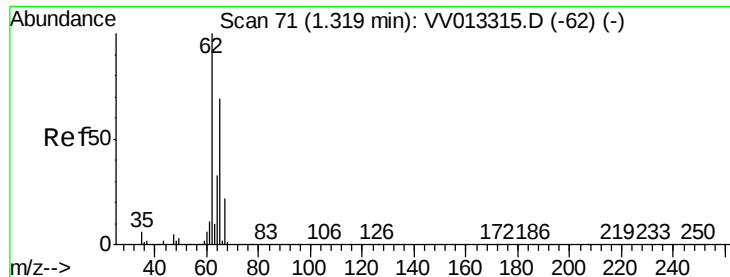
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV013318.D
Acq On : 24 Oct 2019 19:23
Operator : SY/MD
Sample : K5457-04DL 4X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Oct 25 04:45:39 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





#5

Vinyl chloride

Concen: 0.095 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013318.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_V

ClientSampleId :

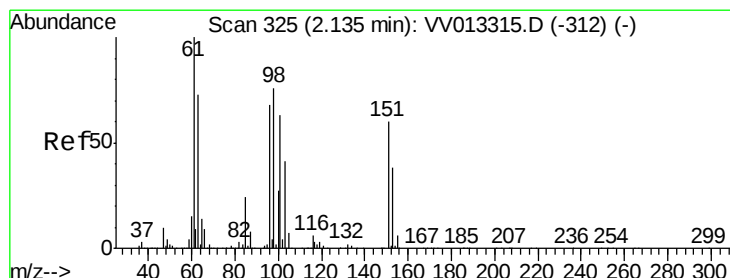
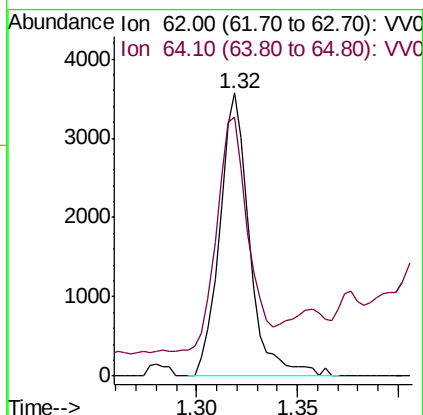
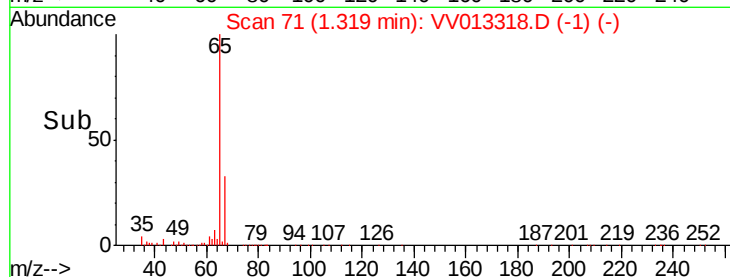
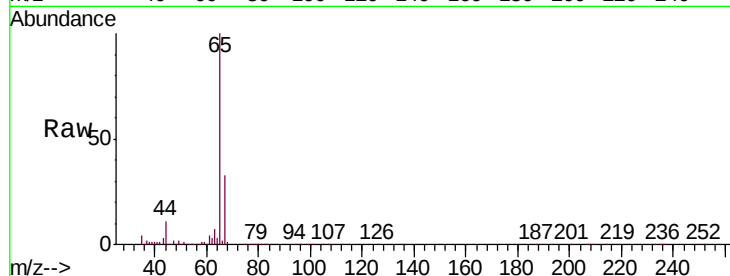
VSTD05080

Tgt Ion: 62 Resp: 3680

Ion Ratio Lower Upper

62 100

64 91.7 22.9 42.5#



#10

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

Concen: 0.071 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013318.D

Acq: 24 Oct 2019 19:23

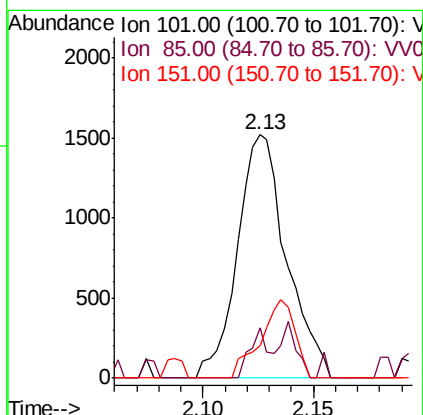
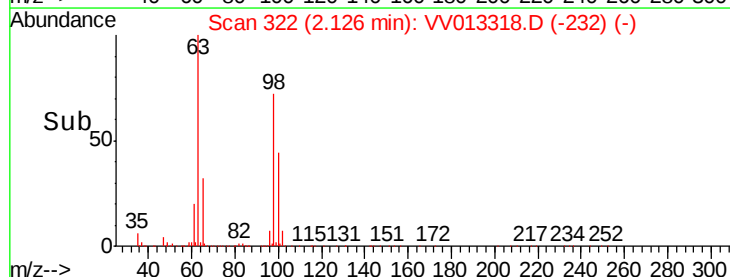
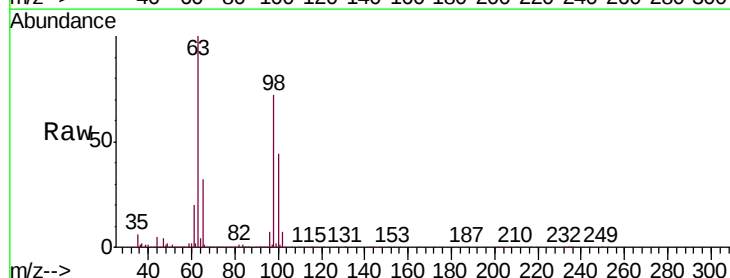
Tgt Ion: 101 Resp: 2341

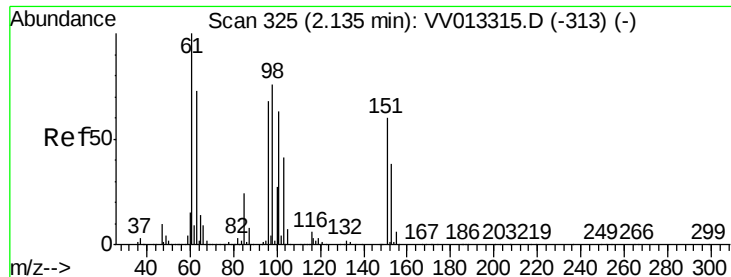
Ion Ratio Lower Upper

101 100

85 8.1 31.8 47.8#

151 0.0 72.9 109.3#





#12

1,1-Dichloroethene

Concen: 0.698 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013318.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

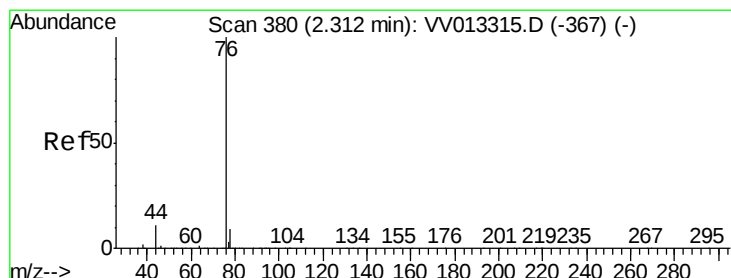
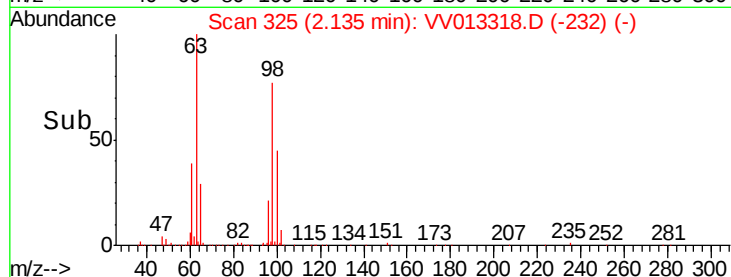
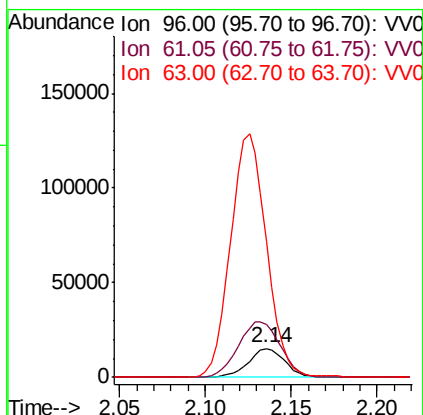
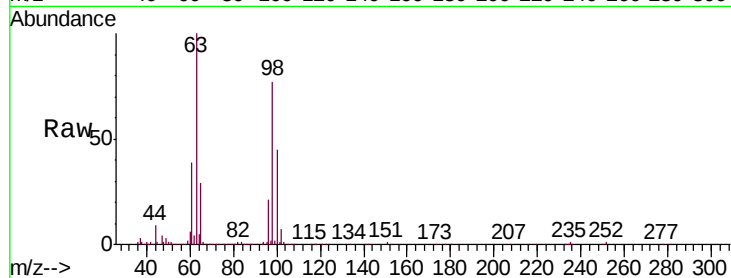
Tgt Ion: 96 Resp: 22014

Ion Ratio Lower Upper

96 100

61 182.2 104.0 193.1

63 470.5 67.1 124.5#



#14

Carbon disulfide

Concen: 0.044 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013318.D

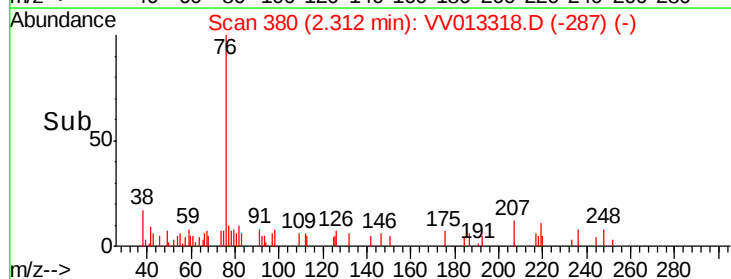
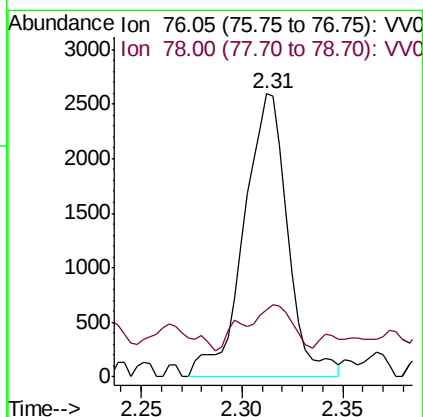
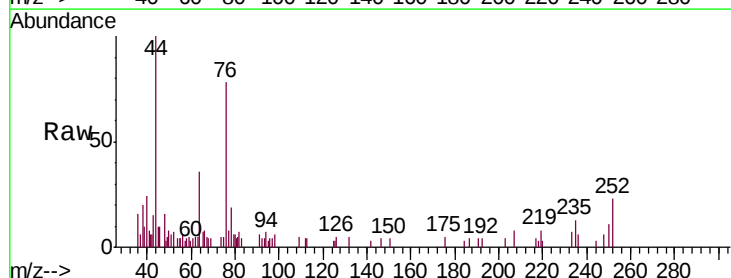
Acq: 24 Oct 2019 19:23

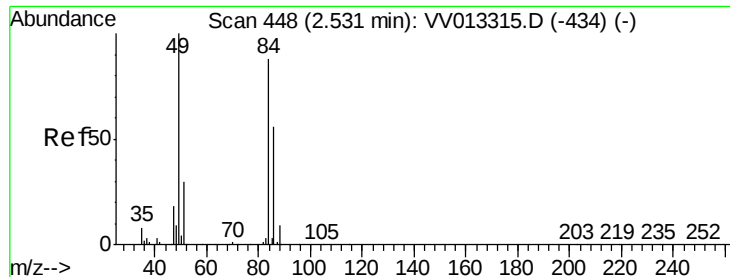
Tgt Ion: 76 Resp: 3949

Ion Ratio Lower Upper

76 100

78 23.9 7.3 10.9#

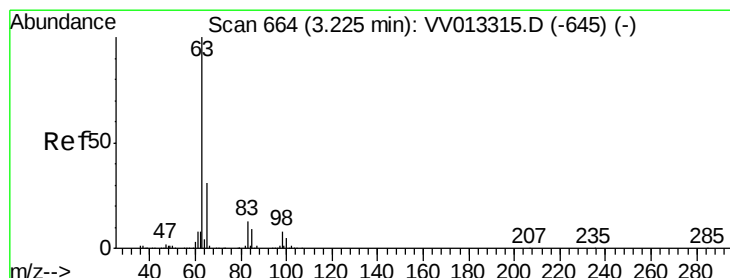
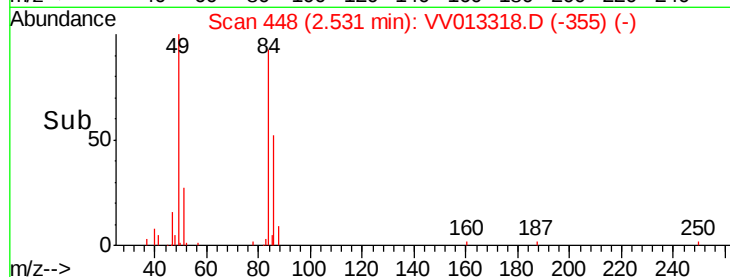
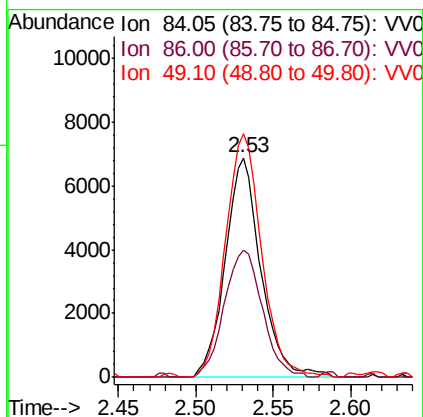
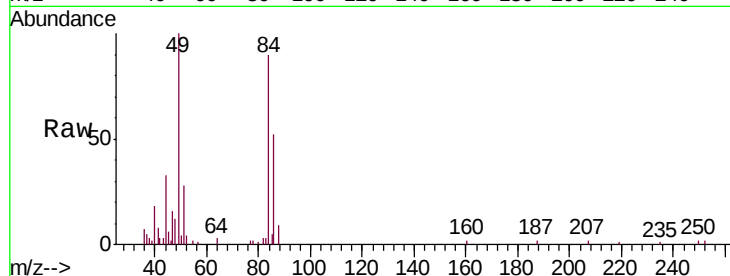




#16
Methylene chloride
Concen: 0.231 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

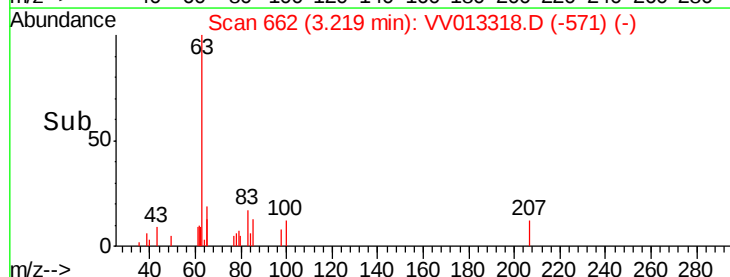
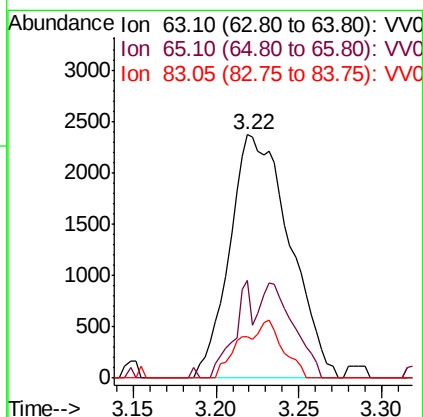
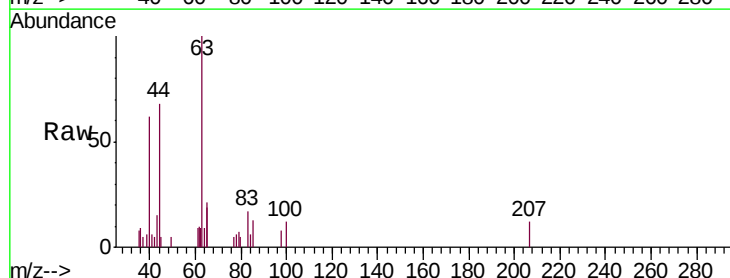
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

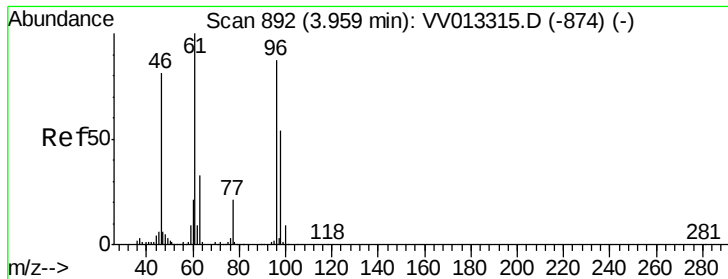
Tgt Ion: 84 Resp: 10973
Ion Ratio Lower Upper
84 100
86 57.7 46.2 85.8
49 110.8 76.4 141.8



#19
1,1-Dichloroethane
Concen: 0.099 ug/L
RT: 3.22 min Scan# 662
Delta R.T. -0.01 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

Tgt Ion: 63 Resp: 5963
Ion Ratio Lower Upper
63 100
65 40.3 23.0 42.8
83 16.8 10.2 19.0



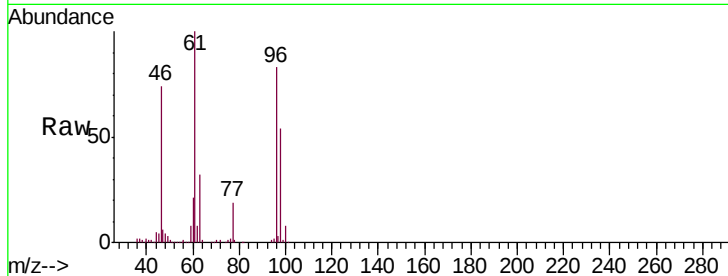


#22

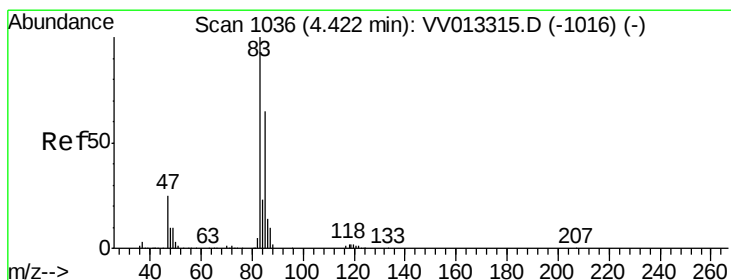
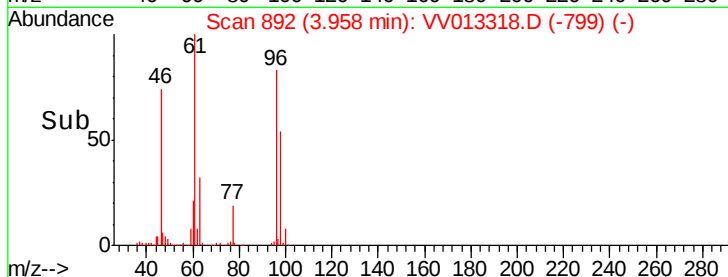
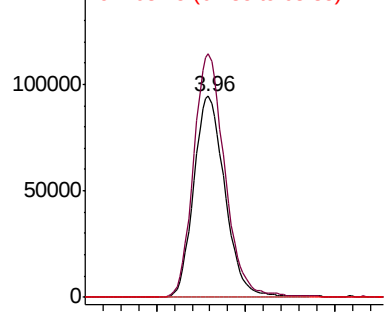
cis-1,2-Dichloroethene
Concen: 5.752 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion: 96 Resp: 229025
Ion Ratio Lower Upper
96 100
61 121.2 77.3 143.7
68 0.1 0.1 0.1



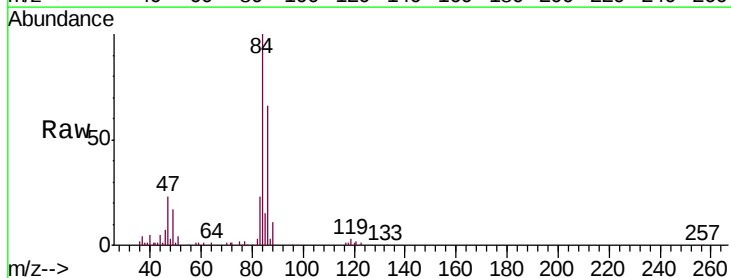
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



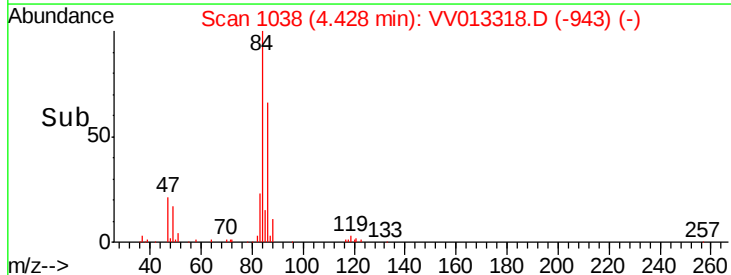
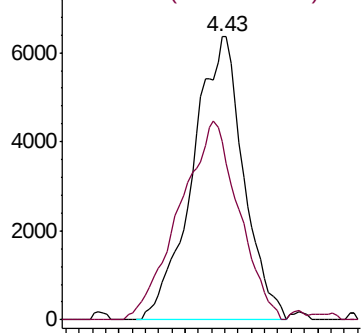
#25

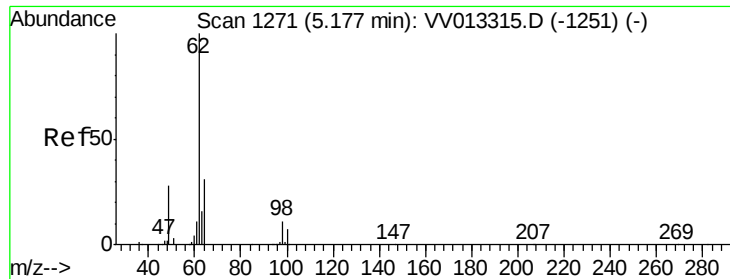
Chloroform
Concen: 0.215 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

Tgt Ion: 83 Resp: 16964
Ion Ratio Lower Upper
83 100
85 63.0 45.7 84.9



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

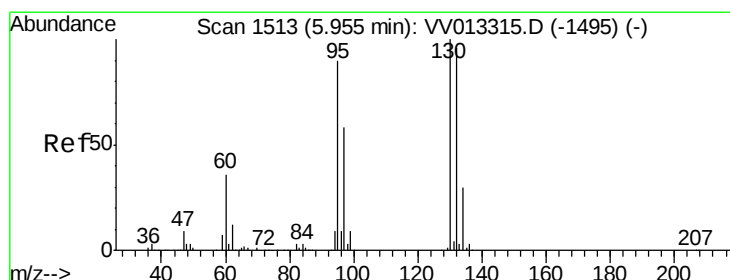
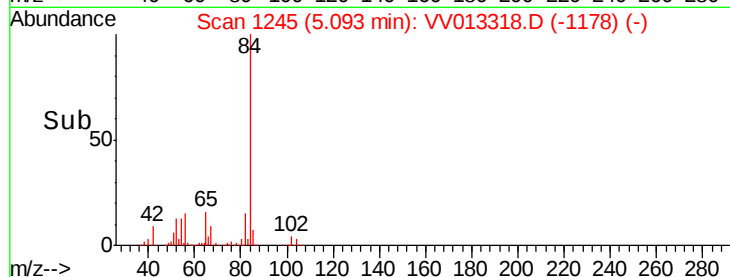
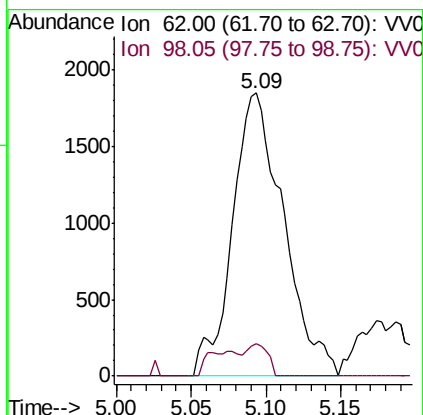
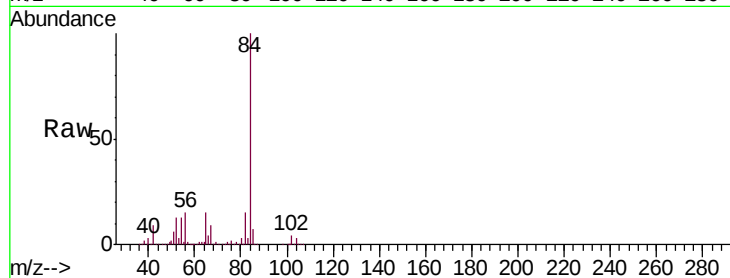




#27
 1,2-Dichloroethane
 Concen: 0.105 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV013318.D
 Acq: 24 Oct 2019 19:23

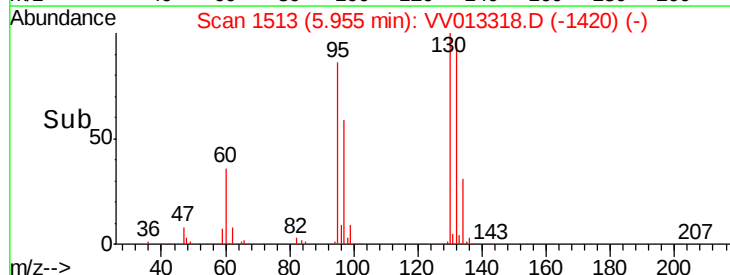
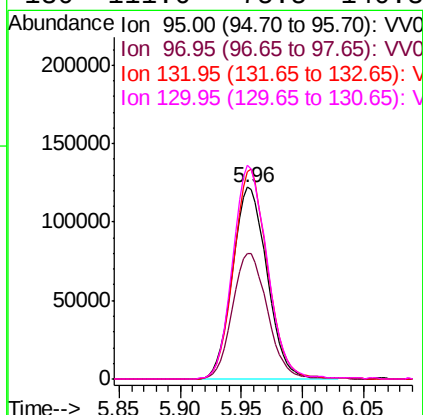
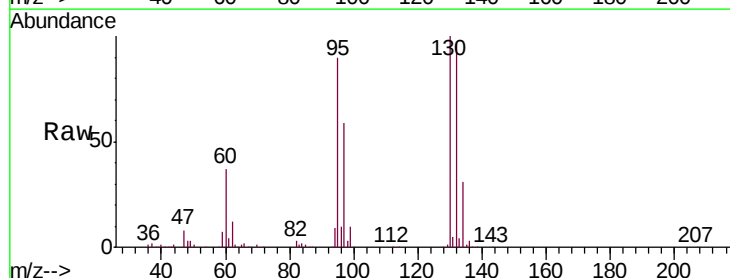
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

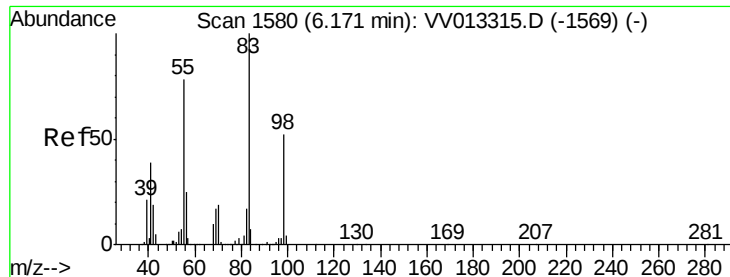
Tgt Ion: 62 Resp: 4404
 Ion Ratio Lower Upper
 62 100
 98 11.4 8.3 12.5



#34
 Trichloroethene
 Concen: 5.488 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013318.D
 Acq: 24 Oct 2019 19:23

Tgt Ion: 95 Resp: 241080
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.2 84.0
 132 108.5 70.6 131.2
 130 111.6 75.5 140.3

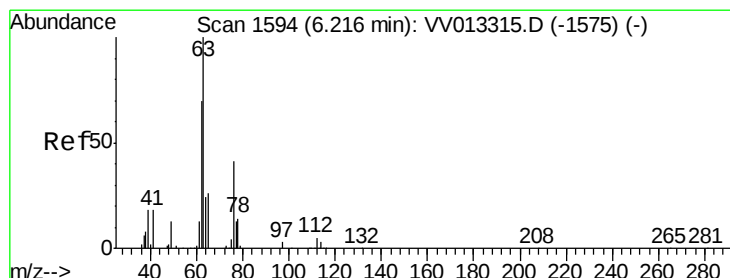
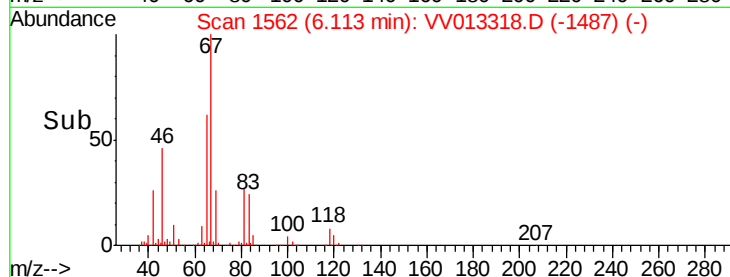
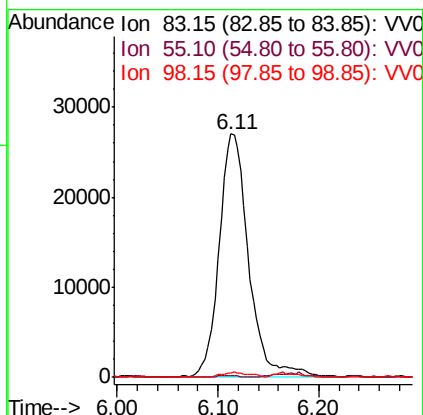
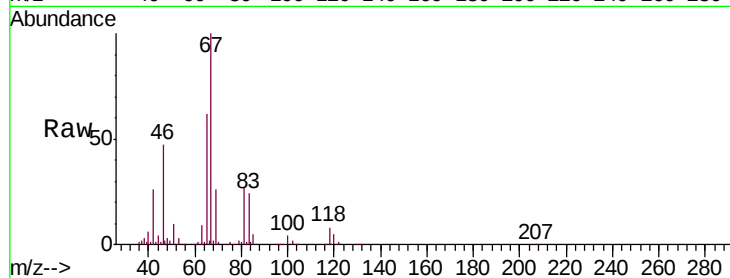




#35
Methylcyclohexane
Concen: 0.820 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

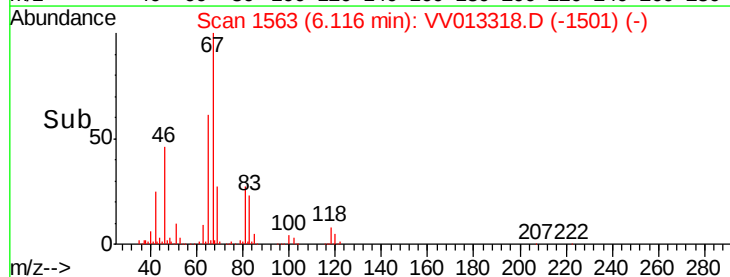
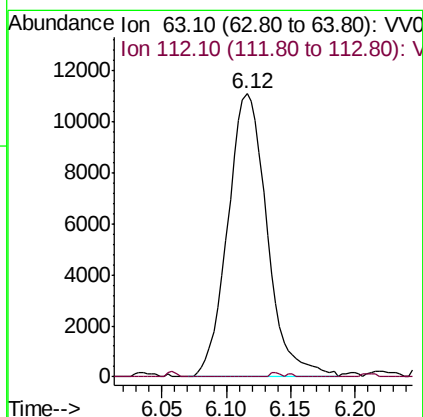
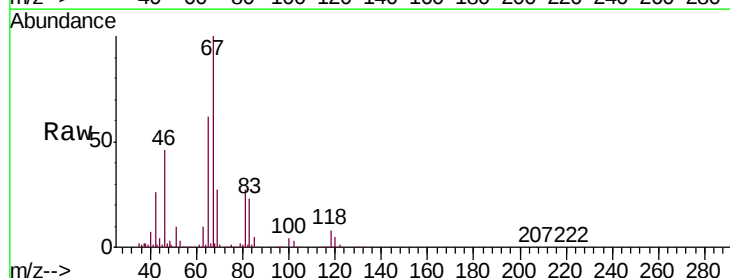
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

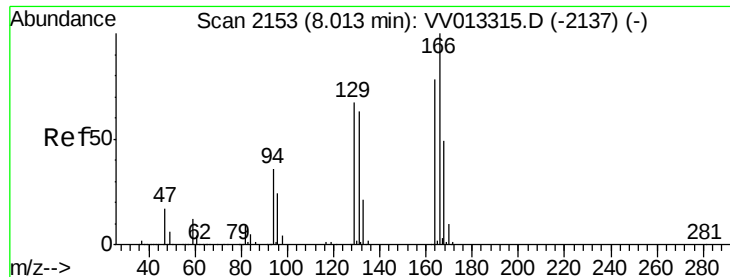
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.6	62.4	93.6#
98	2.0	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.593 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	4.1	6.1#

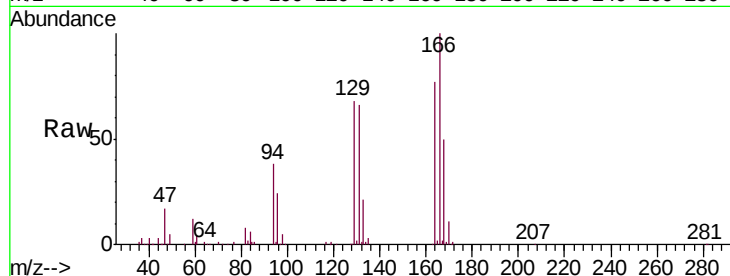




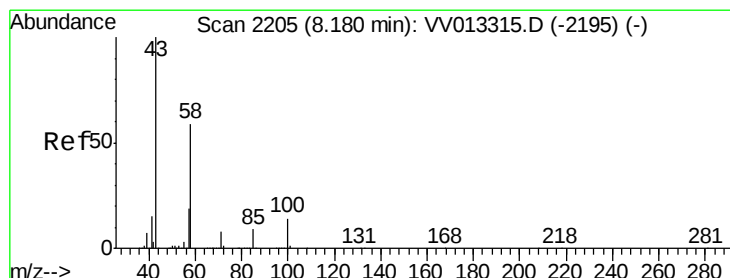
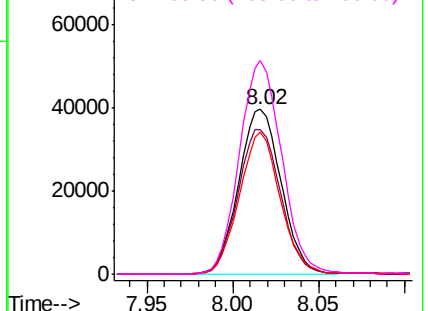
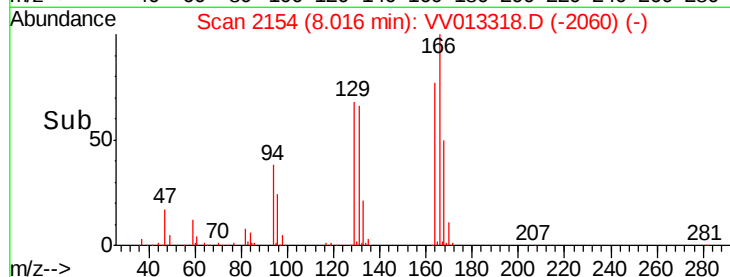
#47
Tetrachloroethene
Concen: 1.707 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion: 164 Resp: 68115
Ion Ratio Lower Upper
164 100
129 88.3 61.0 113.2
131 86.2 57.5 106.9
166 129.8 87.8 163.0

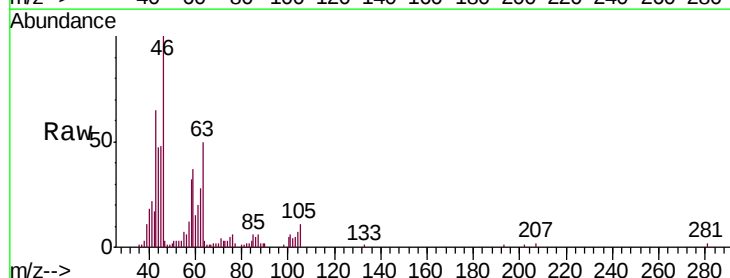


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

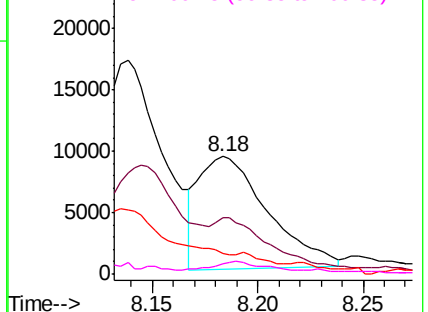
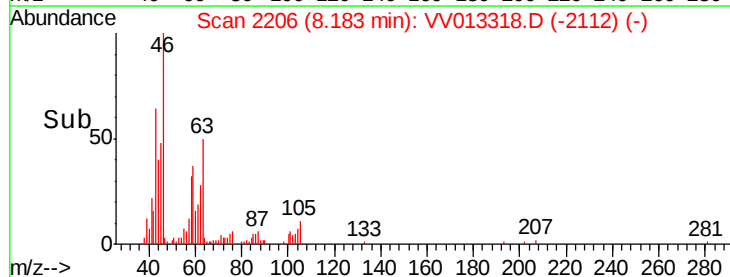


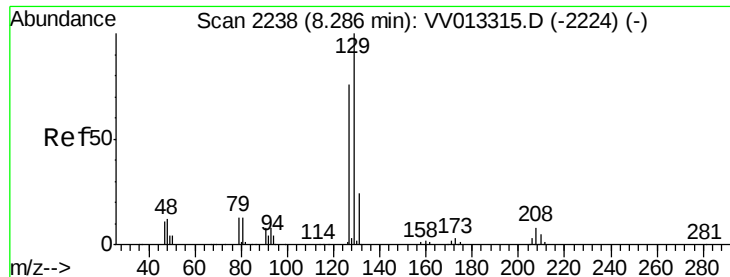
#48
2-Hexanone
Concen: 1.432 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013318.D
Acq: 24 Oct 2019 19:23

Tgt Ion: 43 Resp: 20784
Ion Ratio Lower Upper
43 100
58 35.3 45.1 67.7#
57 0.0 15.5 23.3#
100 10.0 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: 1.674 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013318.D

Acq: 24 Oct 2019 19:23

Instrument :

MSVOA_V

ClientSampleId :

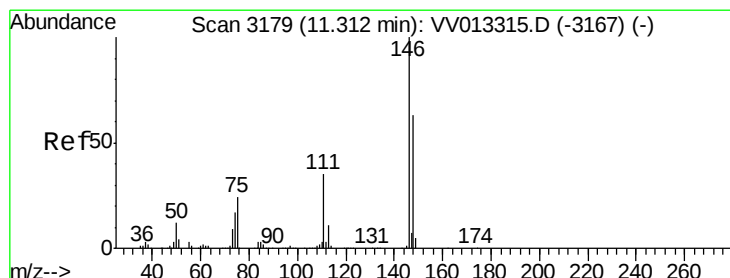
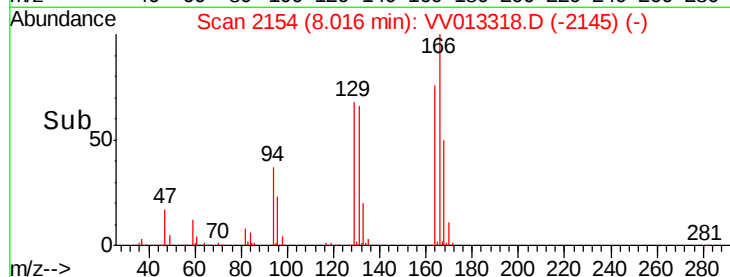
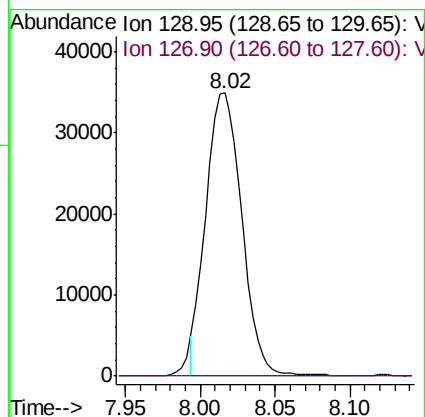
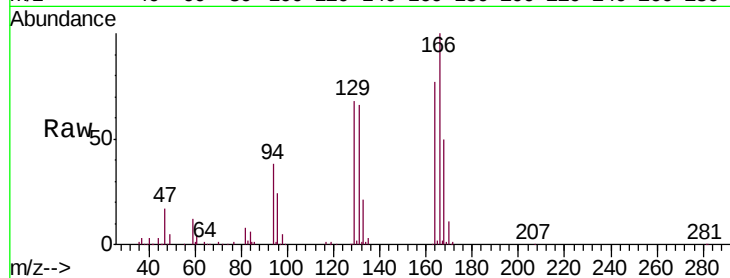
VSTD05080

Tgt Ion:129 Resp: 58521

Ion Ratio Lower Upper

129 100

127 0.4 54.1 100.5#



#63

1,4-Dichlorobenzene

Concen: 0.059 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013318.D

Acq: 24 Oct 2019 19:23

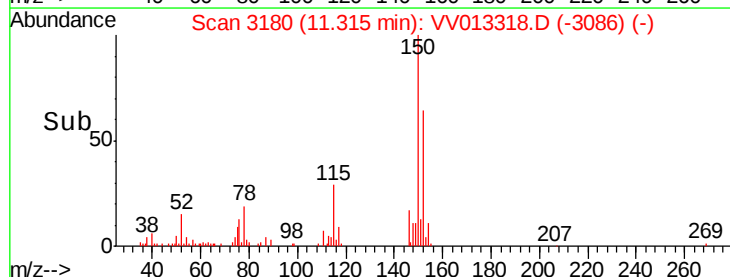
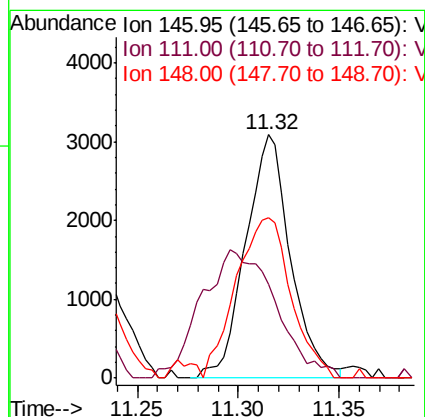
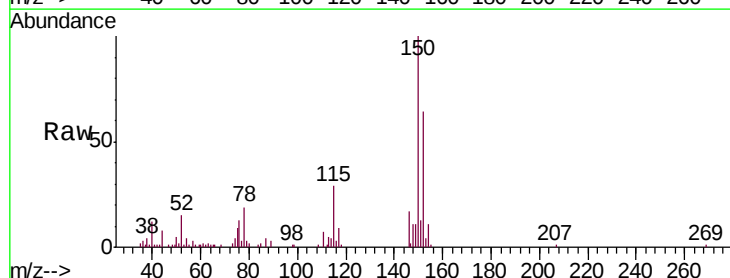
Tgt Ion:146 Resp: 4801

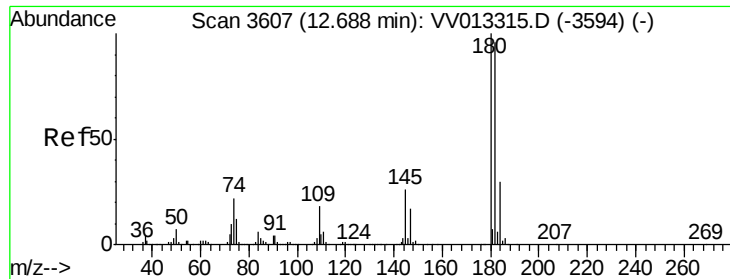
Ion Ratio Lower Upper

146 100

111 38.5 24.6 45.6

148 66.1 43.3 80.5

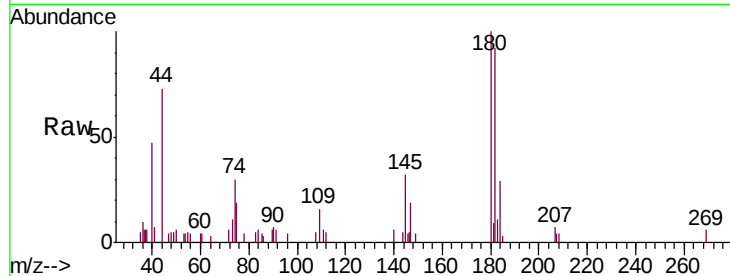




#67
 1,3,5-Trichlorobenzene
 Concen: 0.084 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013318.D
 Acq: 24 Oct 2019 19:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	20.3	24.0	36.0
145	32.4	21.8	32.8



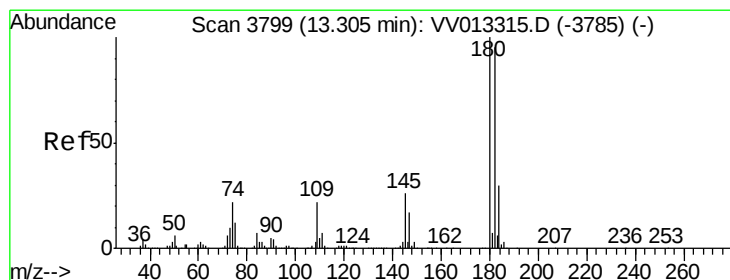
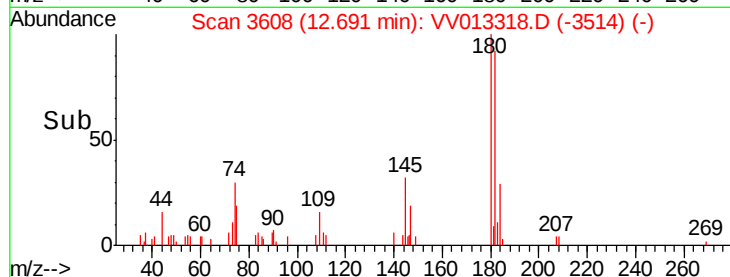
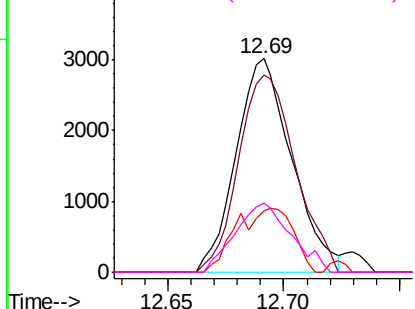
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

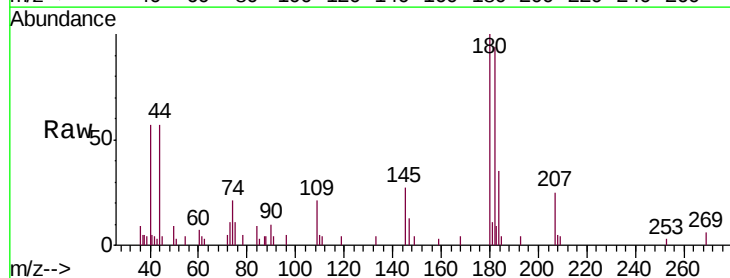
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.091 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.01 min
 Lab File: VV013318.D
 Acq: 24 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.9	76.7	115.1
145	31.4	22.1	33.1



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

