

Data File : VV013205.D
Acq On : 18 Oct 2019 16:23
Operator : SY/MD
Sample : K5321-04
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AA7

Quant Time: Oct 19 04:26:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	451571	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	479632	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	235654	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	211632	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.58	69	173630	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.13	63	264770	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.98	46	446567	47.04	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.08%
24) Chloroform-d	4.40	84	419282	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.08	65	194265	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.09	84	840229	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.11	67	255862	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.35	98	699611	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.66	79	84555	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.14	63	330571	42.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	175392	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	272518	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3296	0.087	ug/L #	30
12) 1,1-Dichloroethene	2.13	96	2711	0.075	ug/L #	1
14) Carbon disulfide	2.31	76	5727	0.055	ug/L #	60
25) Chloroform	4.42	83	290126	3.188	ug/L	99
35) Methylcyclohexane	6.11	83	64015	0.833	ug/L #	17
37) 1,2-Dichloropropane	6.11	63	26778	0.562	ug/L #	89
38) Bromodichloromethane	6.55	83	11506	0.191	ug/L #	95
39) cis-1,3-Dichloropropene	7.03	75	5926	0.093	ug/L #	39
44) trans-1,3-Dichloropropene	7.66	75	3431	0.070	ug/L #	61
47) Tetrachloroethene	8.01	164	74128	1.692	ug/L	99
48) 2-Hexanone	8.14	43	49763	2.674	ug/L #	84
49) Dibromochloromethane	8.01	129	61893	1.582	ug/L #	12
63) 1,4-Dichlorobenzene	11.32	146	6431	0.076	ug/L	83
67) 1,3,5-Trichlorobenzene	12.69	180	4834	0.078	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	6135	0.114	ug/L	98
69) Naphthalene	13.56	128	8485	0.102	ug/L #	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Quantitation Report (Not Reviewed)

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QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

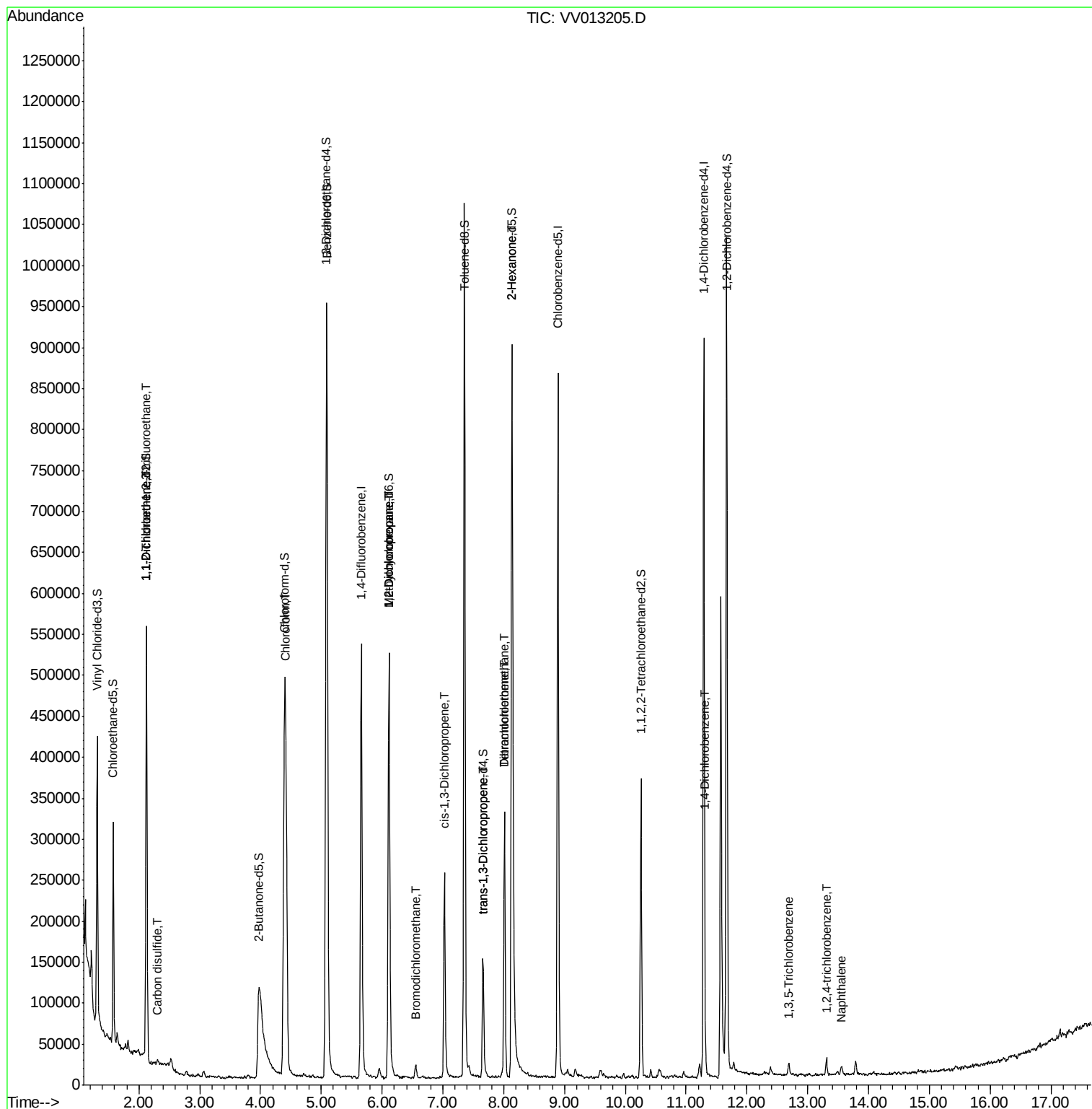
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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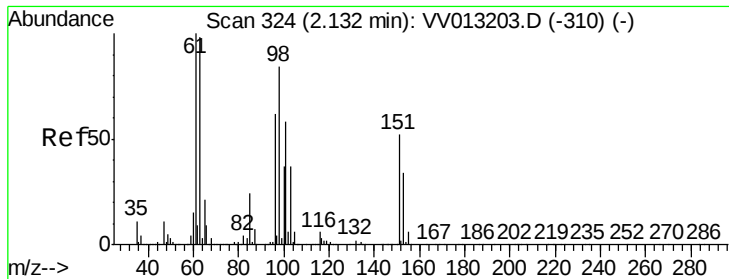
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.087 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA7

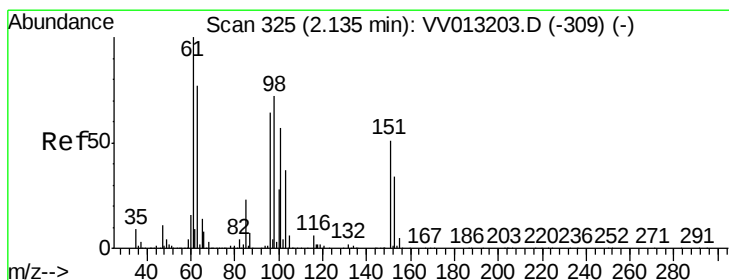
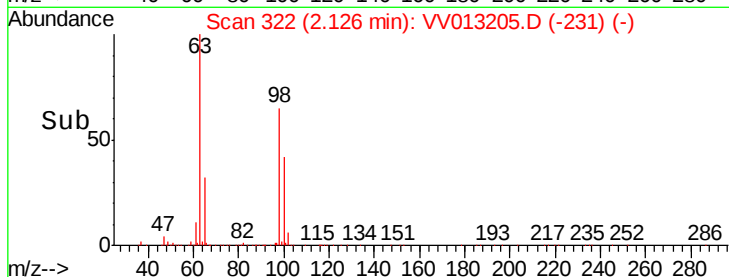
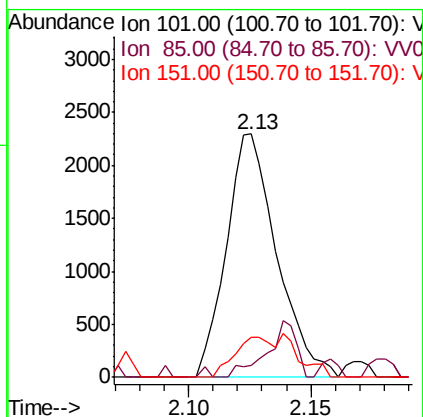
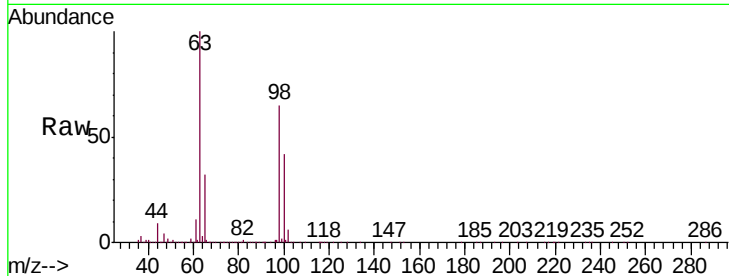
Tgt Ion: 101 Resp: 3296

Ion Ratio Lower Upper

101 100

85 13.4 32.4 48.6#

151 12.7 71.9 107.9#



#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

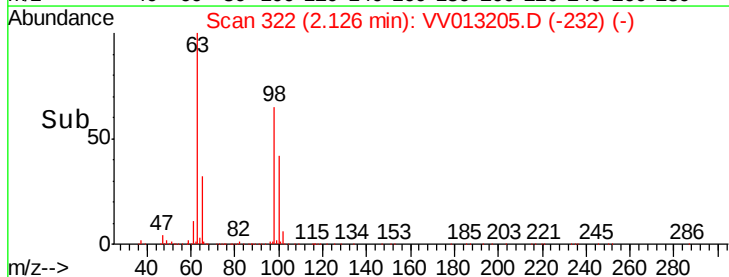
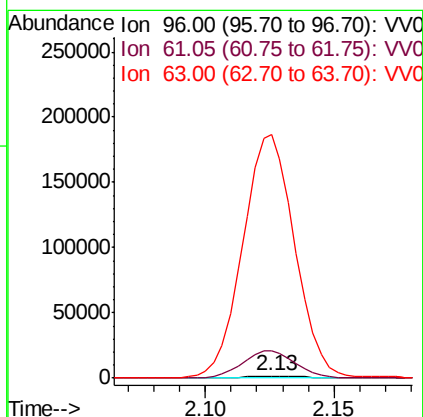
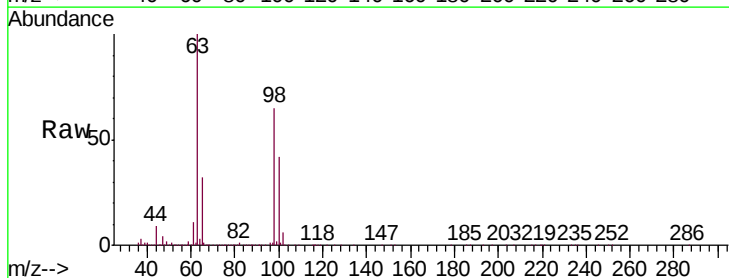
Tgt Ion: 96 Resp: 2711

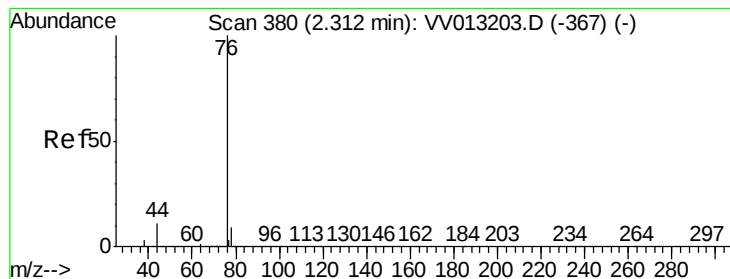
Ion Ratio Lower Upper

96 100

61 1332.7 109.8 204.0#

63 11856.7 72.6 134.8#





#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

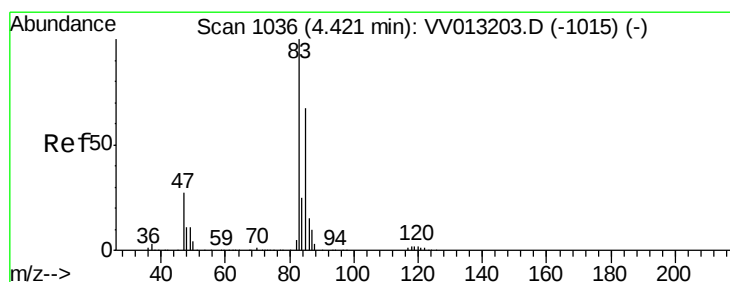
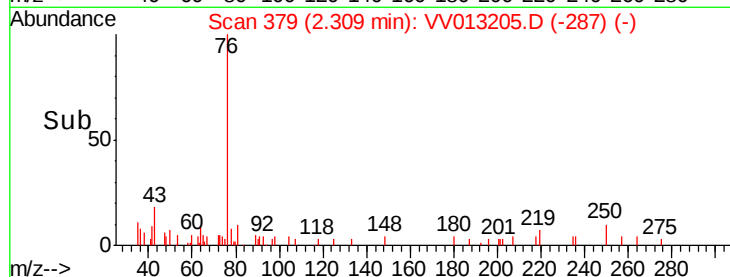
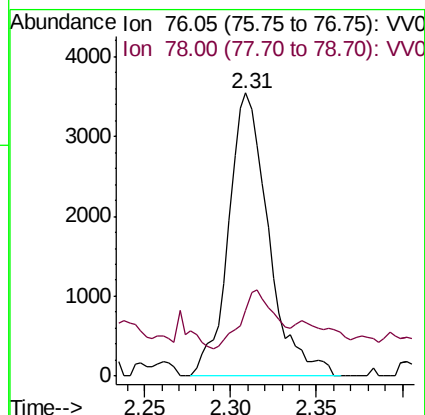
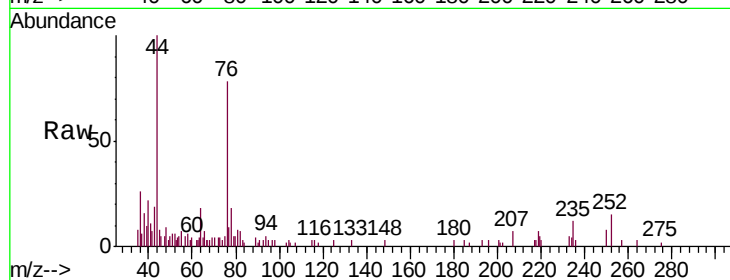
E0AA7

Tgt Ion: 76 Resp: 5727

Ion Ratio Lower Upper

76 100

78 23.4 7.1 10.7#



#25

Chloroform

Concen: 3.188 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013205.D

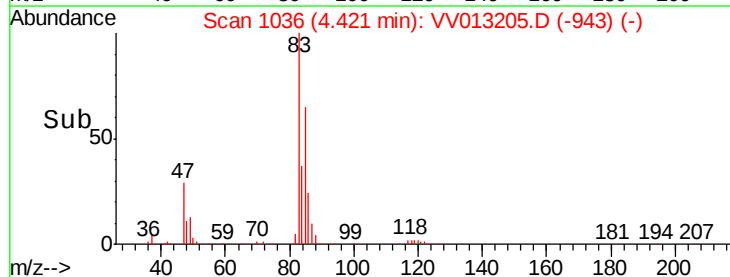
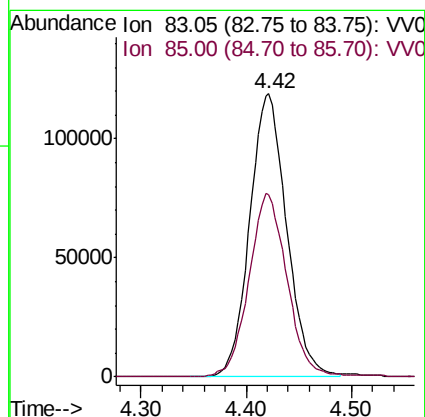
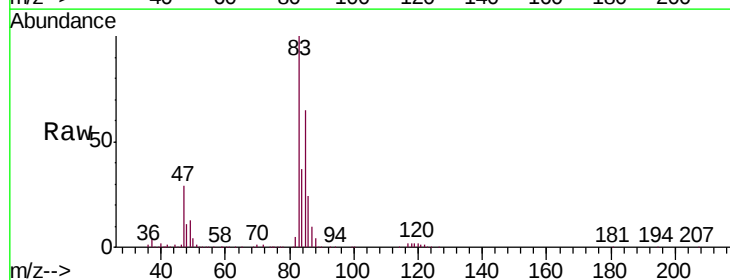
Acq: 18 Oct 2019 16:23

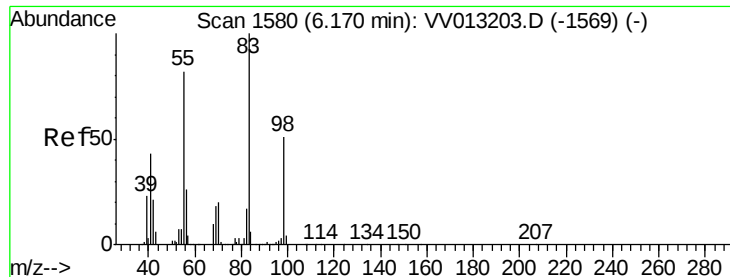
Tgt Ion: 83 Resp: 290126

Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5





#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.06 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA7

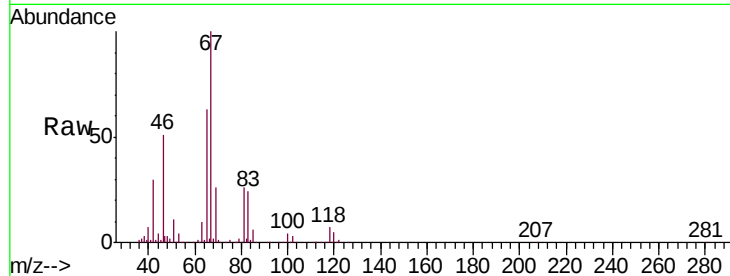
Tgt Ion: 83 Resp: 64015

Ion Ratio Lower Upper

83 100

55 0.0 64.0 96.0#

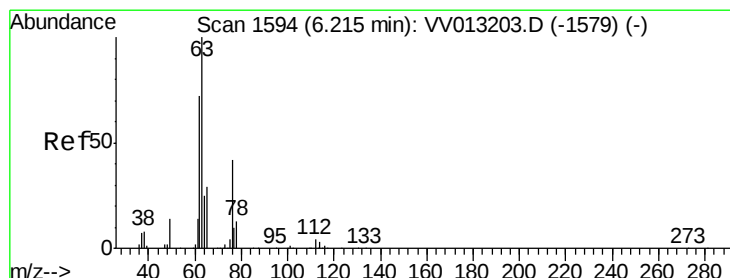
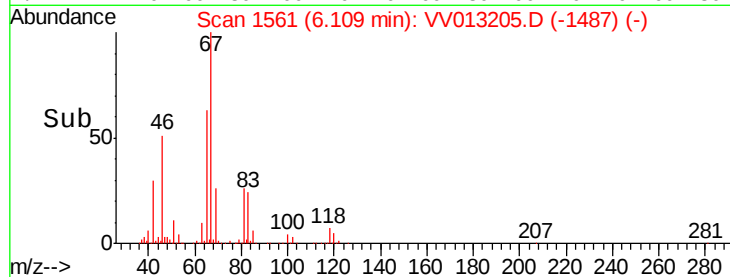
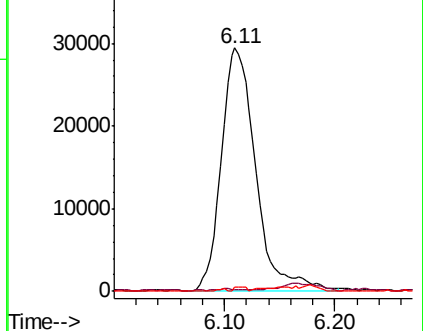
98 0.5 38.6 57.8#



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: 0.562 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013205.D

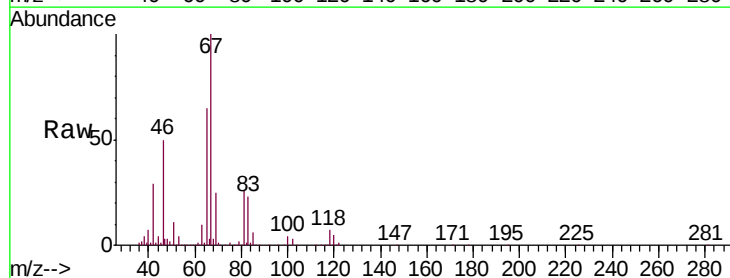
Acq: 18 Oct 2019 16:23

Tgt Ion: 63 Resp: 26778

Ion Ratio Lower Upper

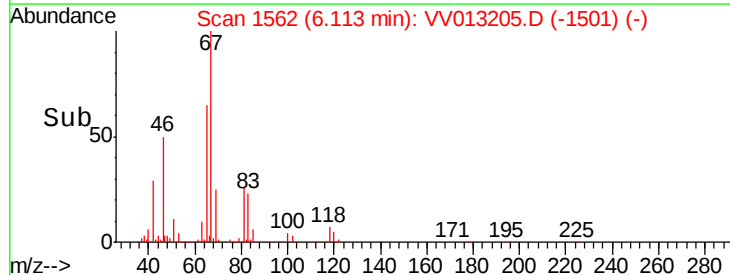
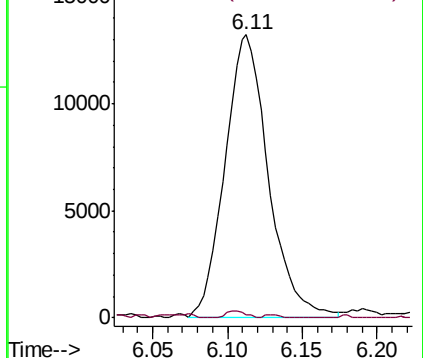
63 100

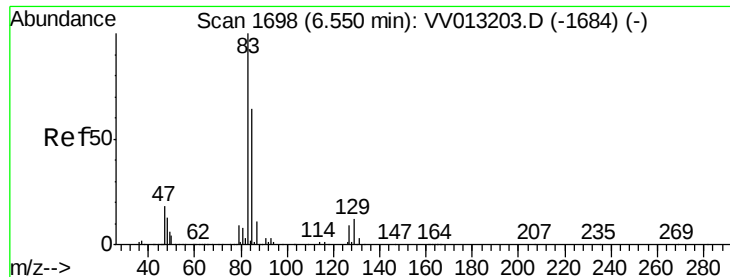
112 1.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.191 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA7

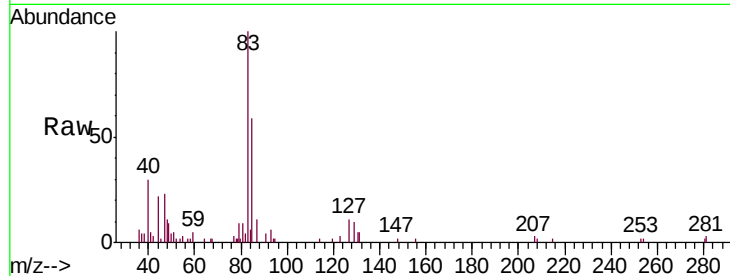
Tgt Ion: 83 Resp: 11506

Ion Ratio Lower Upper

83 100

85 58.9 44.0 81.6

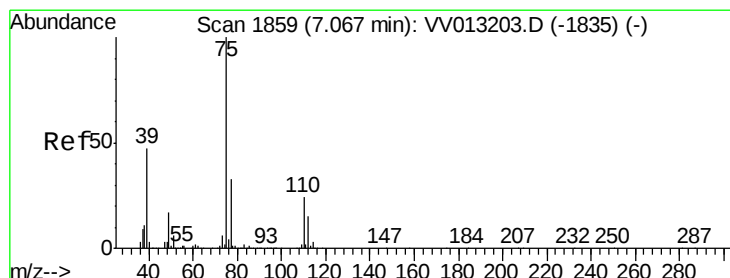
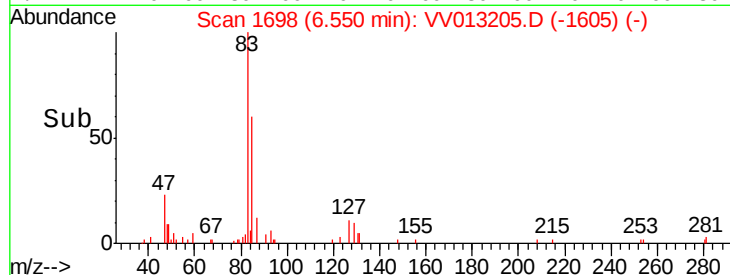
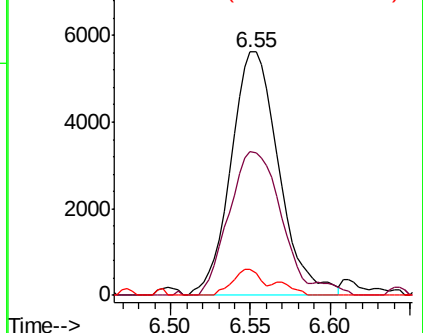
127 10.8 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VV013205.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV013205.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV013205.D (-1605) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013205.D

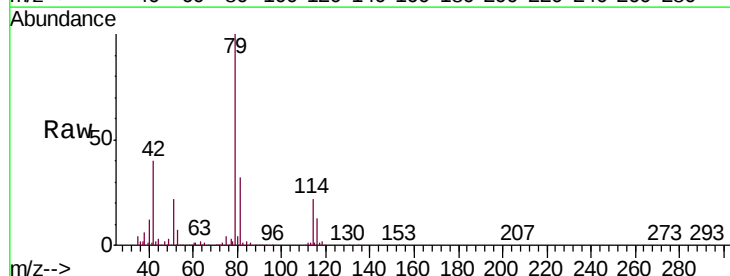
Acq: 18 Oct 2019 16:23

Tgt Ion: 75 Resp: 5926

Ion Ratio Lower Upper

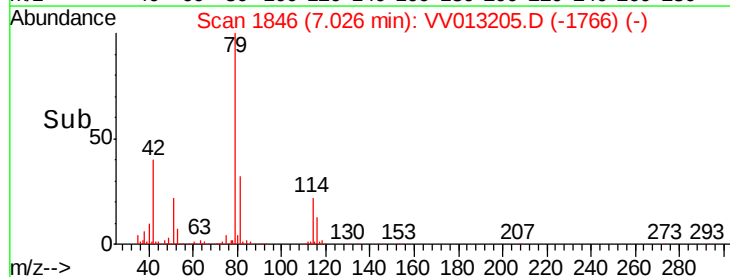
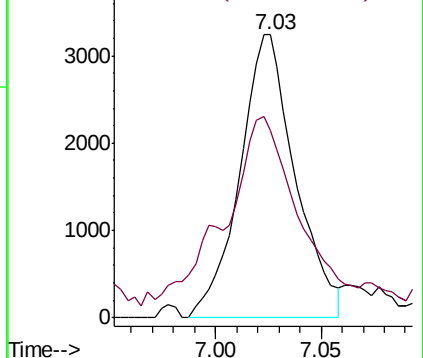
75 100

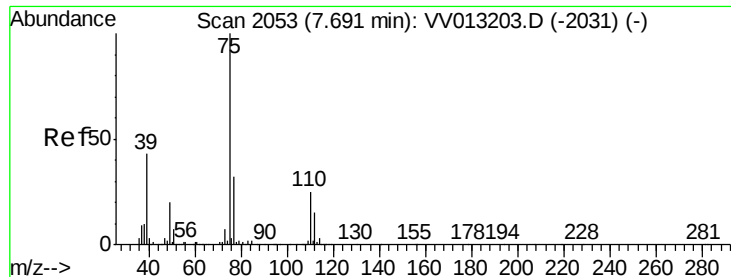
77 66.4 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV013205.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV013205.D (-1766) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.04 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

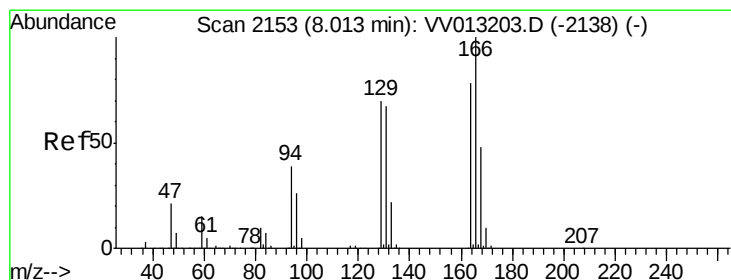
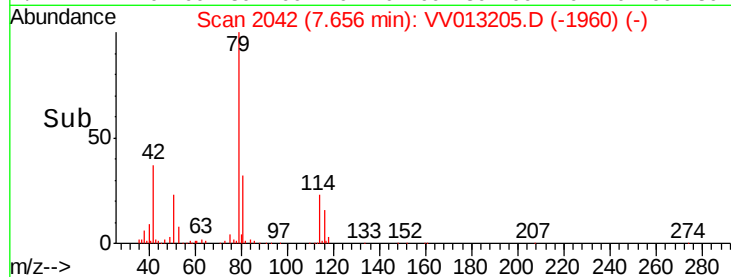
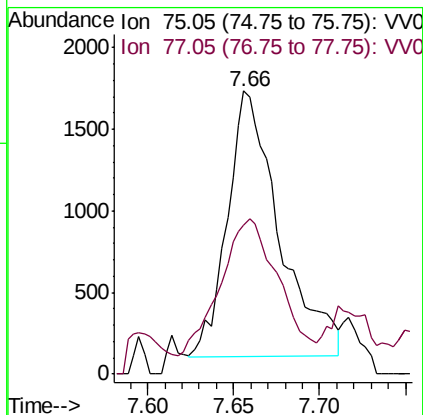
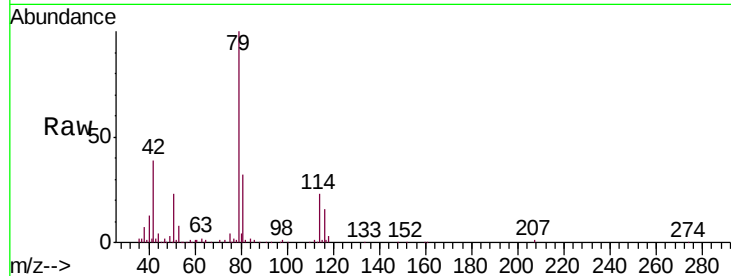
E0AA7

Tgt Ion: 75 Resp: 3431

Ion Ratio Lower Upper

75 100

77 52.6 21.8 40.4#



#47

Tetrachloroethene

Concen: 1.692 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013205.D

Acq: 18 Oct 2019 16:23

Tgt Ion: 164 Resp: 74128

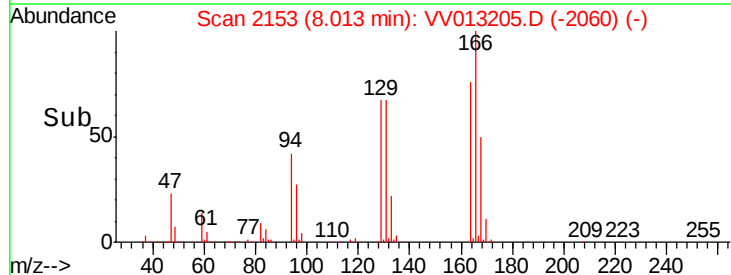
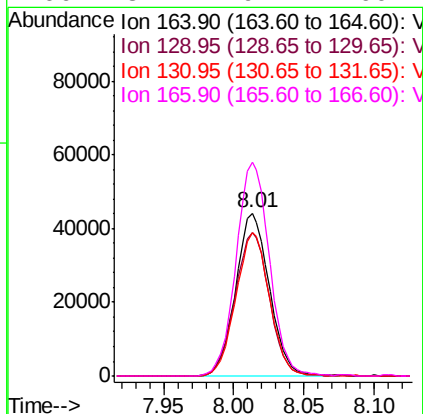
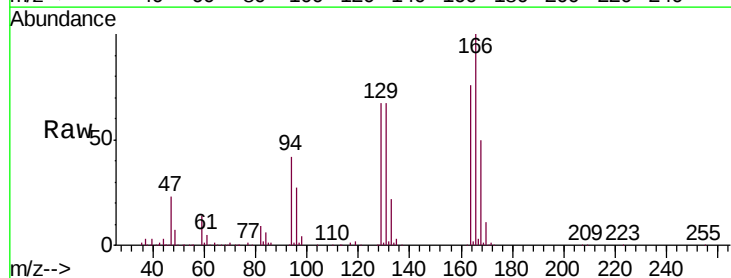
Ion Ratio Lower Upper

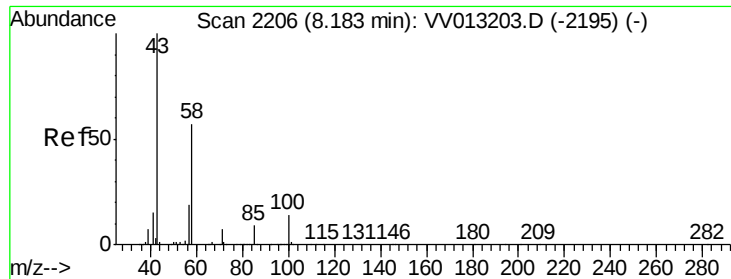
164 100

129 87.8 62.2 115.4

131 88.2 59.9 111.3

166 131.1 91.1 169.1

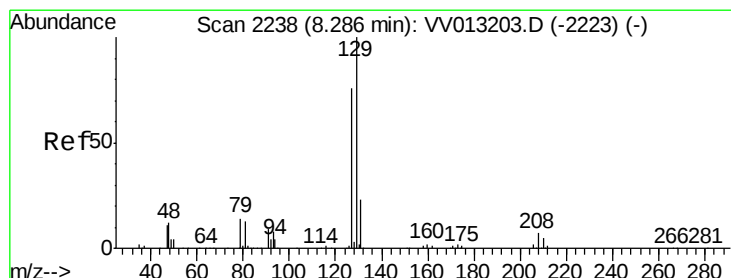
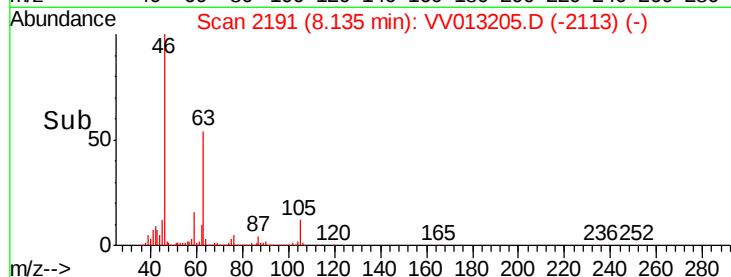
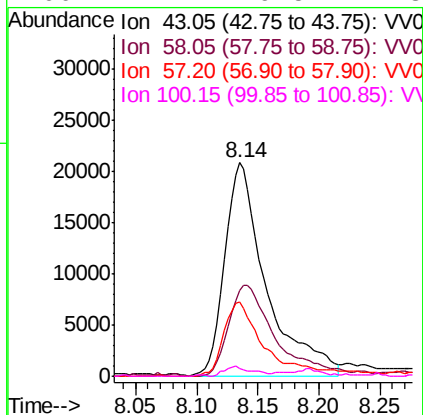
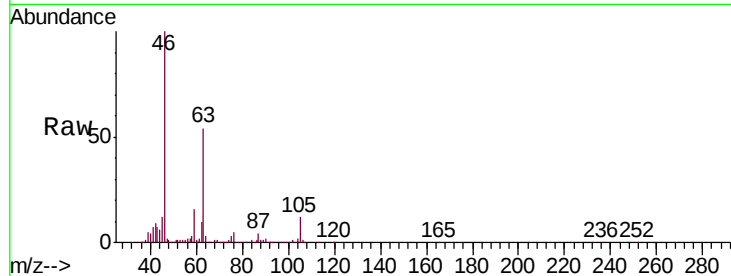




#48
2-Hexanone
Concen: 2.674 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013205.D
Acq: 18 Oct 2019 16:23

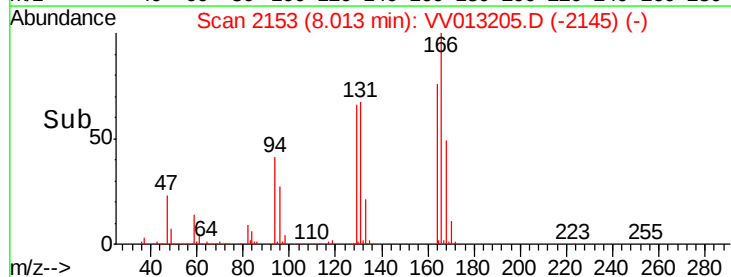
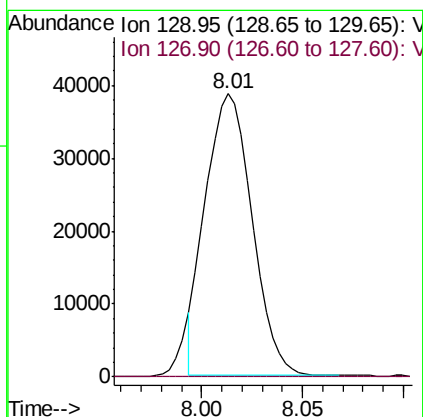
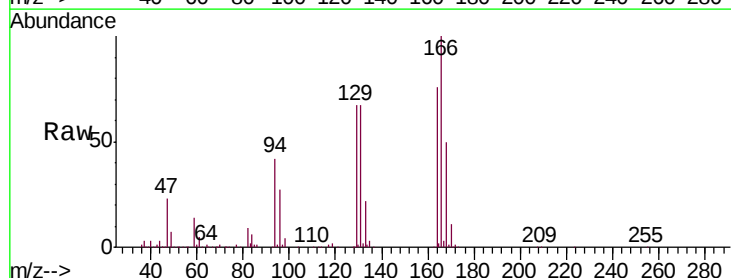
Instrument :
MSVOA_V
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E0AA7

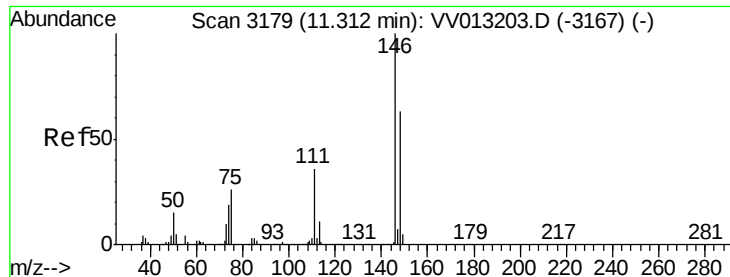
Tgt Ion:	43	Resp:	49763
Ion	Ratio	Lower	Upper
43	100		
58	47.4	44.2	66.2
57	29.6	14.5	21.7#
100	2.2	9.5	14.3#



#49
Dibromochloromethane
Concen: 1.582 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.27 min
Lab File: VV013205.D
Acq: 18 Oct 2019 16:23

Tgt Ion:	129	Resp:	61893
Ion	Ratio	Lower	Upper
129	100		
127	0.3	53.2	98.8#

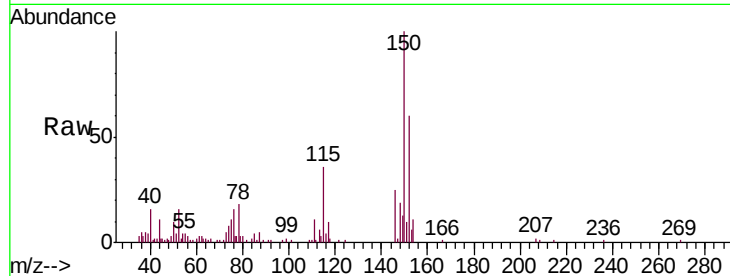




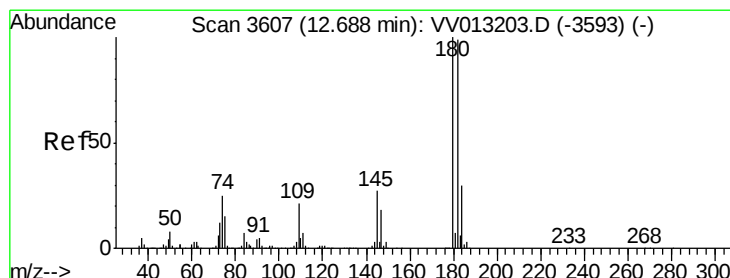
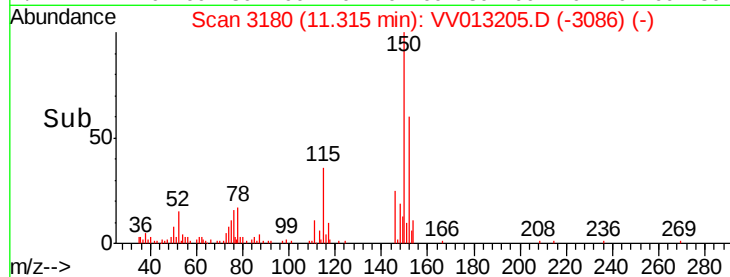
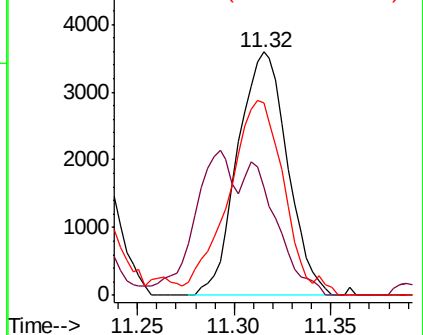
#63
 1,4-Dichlorobenzene
 Concen: 0.076 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013205.D
 Acq: 18 Oct 2019 16:23

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA7

Tgt Ion:146 Resp: 6431
 Ion Ratio Lower Upper
 146 100
 111 44.2 25.7 47.7
 148 78.8 44.4 82.5

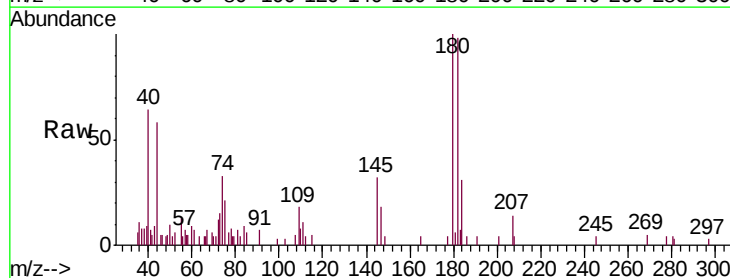


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

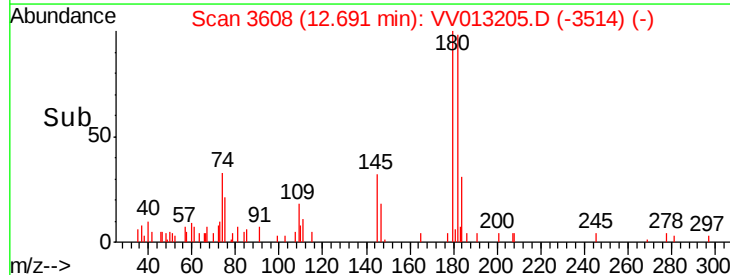
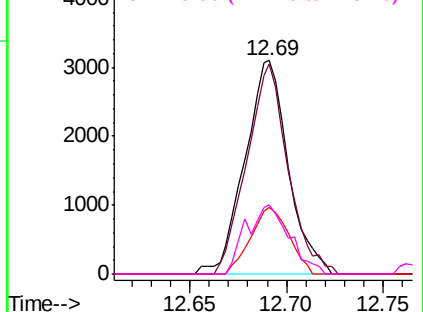


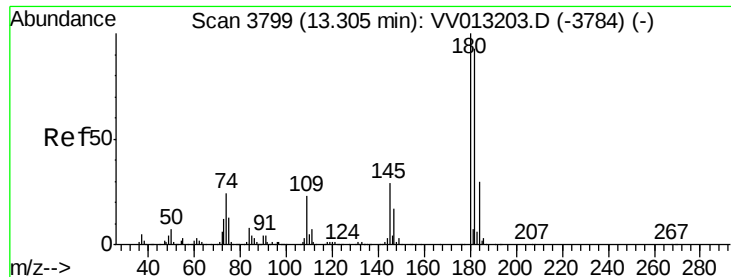
#67
 1,3,5-Trichlorobenzene
 Concen: 0.078 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013205.D
 Acq: 18 Oct 2019 16:23

Tgt Ion:180 Resp: 4834
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.8 113.6
 184 27.4 24.2 36.4
 145 32.3 22.1 33.1



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

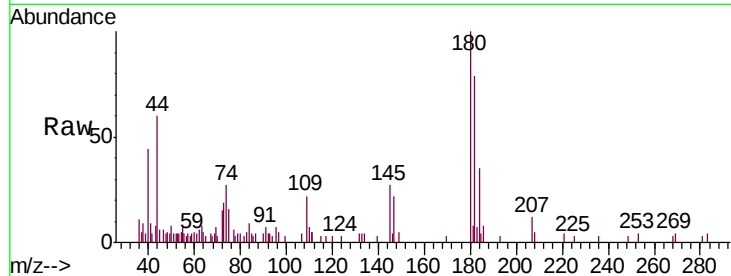




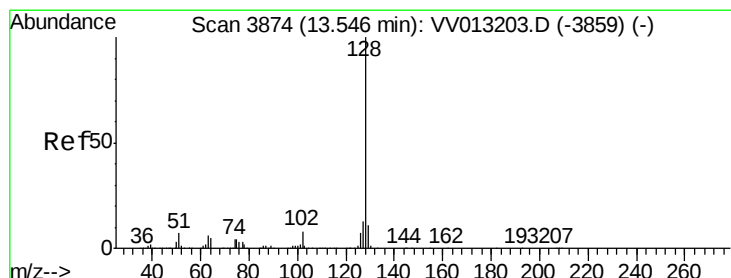
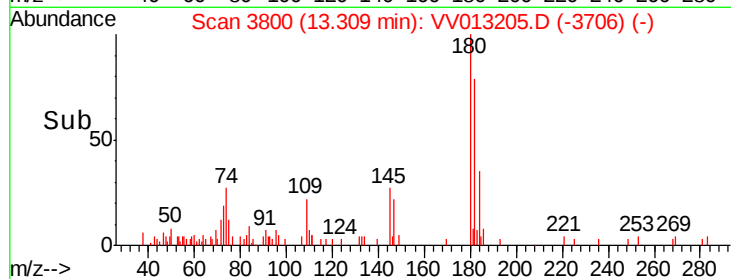
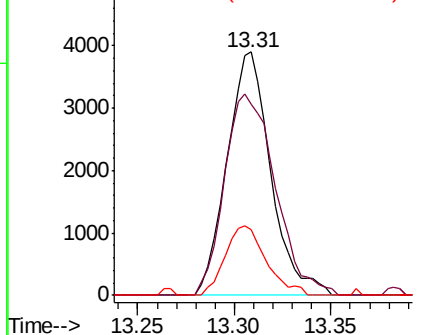
#68
 1,2,4-trichlorobenzene
 Concen: 0.114 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013205.D
 Acq: 18 Oct 2019 16:23

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA7

Tgt Ion:180 Resp: 6135
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.9 113.9
 145 26.6 22.4 33.6

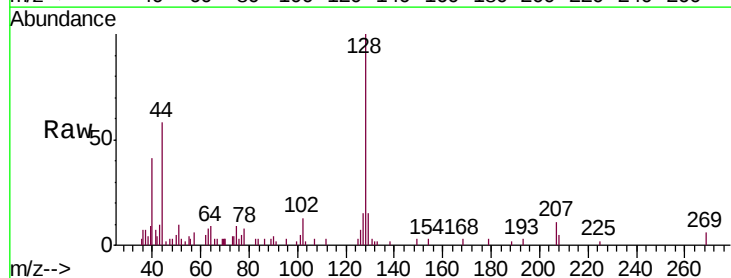


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#69
 Naphthalene
 Concen: 0.102 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV013205.D
 Acq: 18 Oct 2019 16:23

Tgt Ion:128 Resp: 8485
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 13.0
 127 15.6 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

