

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012831.D
 Acq On : 16 Sep 2019 12:42
 Operator : SY/MD
 Sample : VV0916WBL01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 17:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	405055	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	399552	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	152905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	133189	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	106037	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.13	63	175746	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	3.96	46	116835	30.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	60.26%
24) Chloroform-d	4.40	84	205634	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	97477	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.10	84	429472	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.12	67	126402	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	341801	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.66	79	39247	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	94863	39.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	63840	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	111405	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

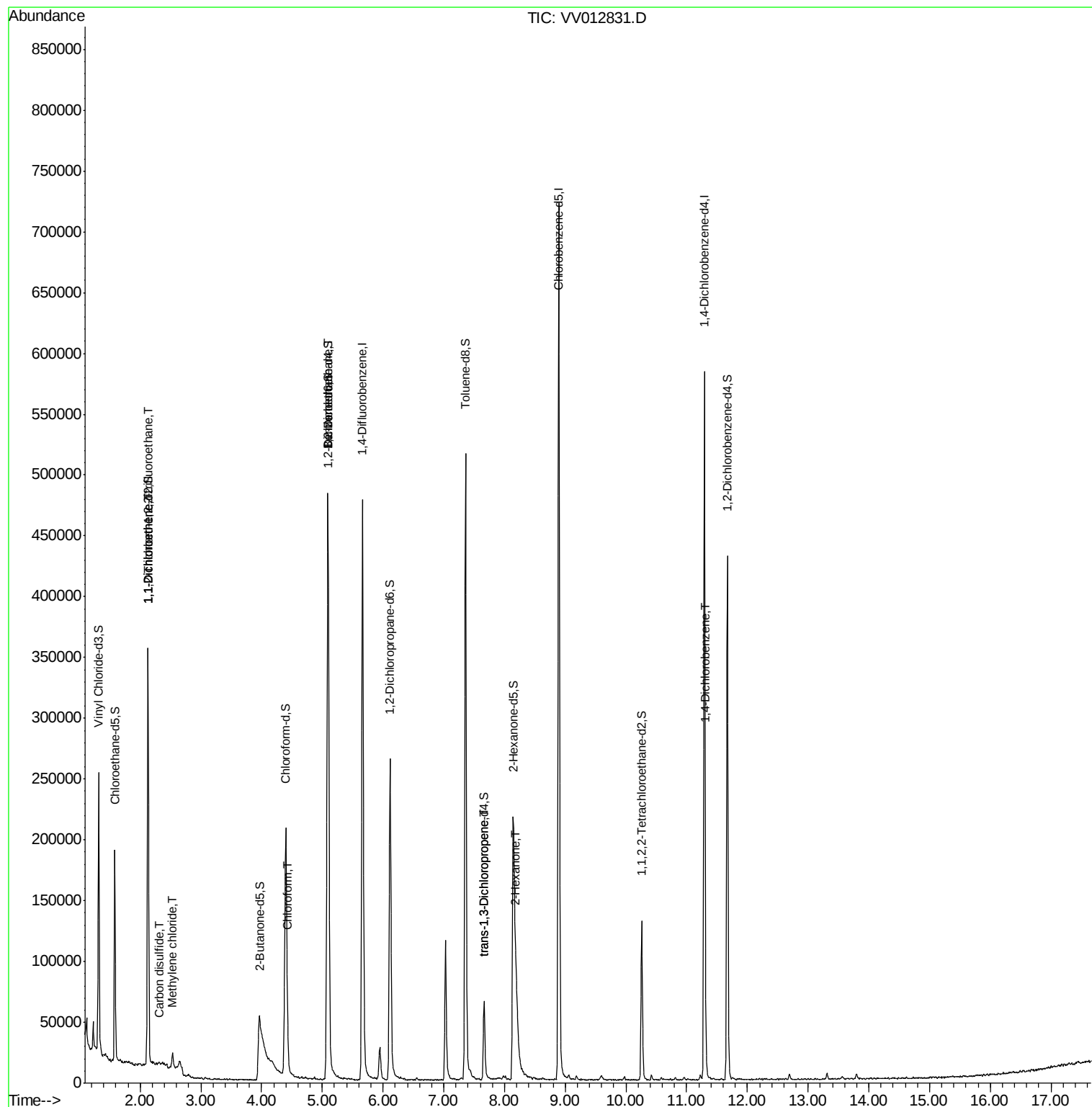
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1848	0.077 ug/L #	37
12) 1,1-Dichloroethene	2.13	96	2077	0.094 ug/L #	1
14) Carbon disulfide	2.32	76	2072	0.043 ug/L #	45
16) Methylene chloride	2.53	84	4817	0.183 ug/L	96
25) Chloroform	4.43	83	11272	0.203 ug/L	85
27) 1,2-Dichloroethane	5.09	62	2564	0.089 ug/L	95
44) trans-1,3-Dichloropropene	7.66	75	1636	0.061 ug/L	95
48) 2-Hexanone	8.19	43	60092	5.248 ug/L #	68
63) 1,4-Dichlorobenzene	11.31	146	2406	0.053 ug/L	91

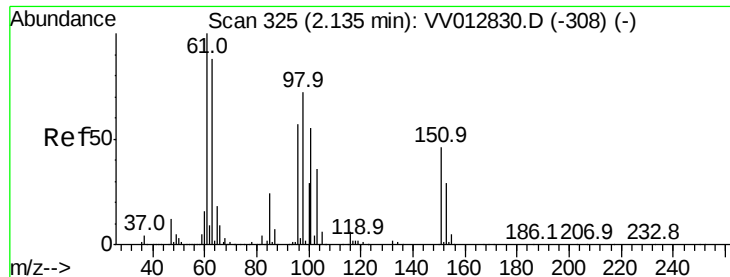
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 17:02:53 2019
Response via : Initial Calibration





#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

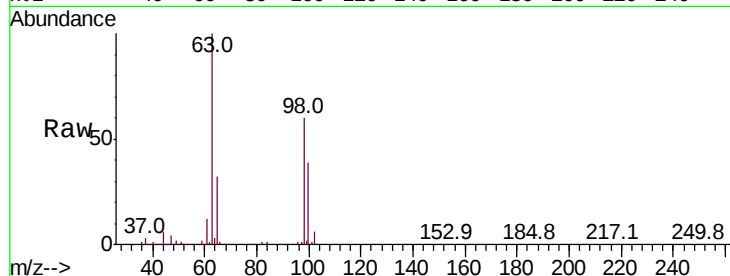
Tot Ion:101 Resp: 1848

Ion Ratio Lower Upper

101 100

85 11.9 32.9 49.3#

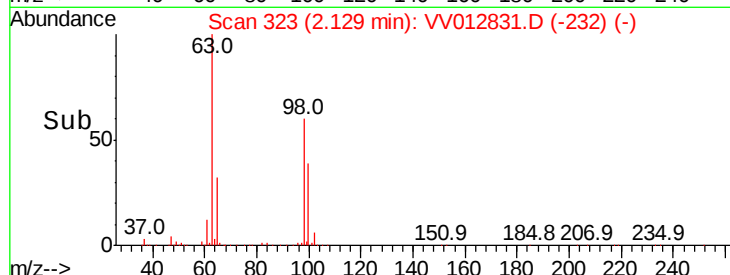
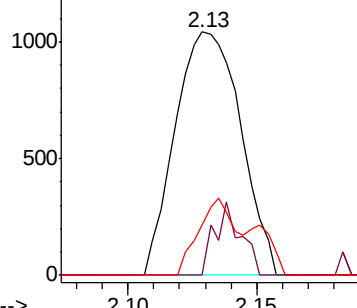
151 18.0 65.0 97.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

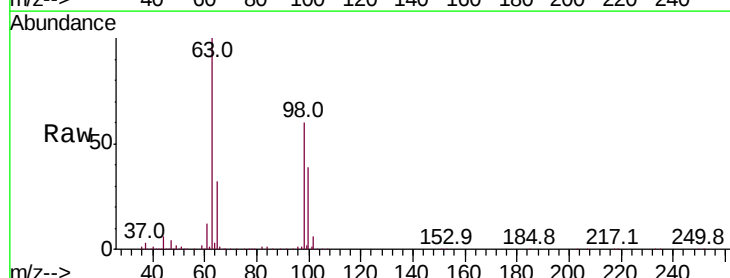
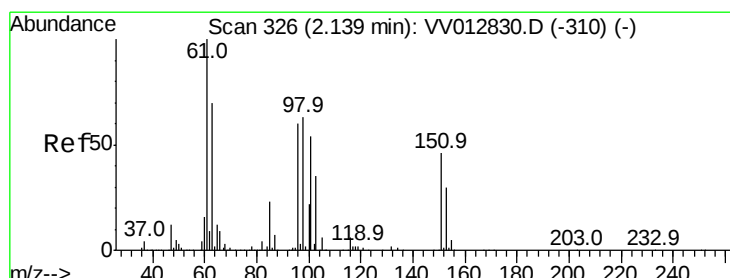
Tgt Ion: 96 Resp: 2077

Ion Ratio Lower Upper

96 100

61 1118.5 120.1 223.1#

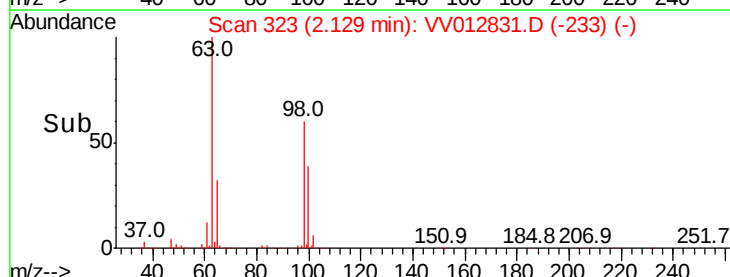
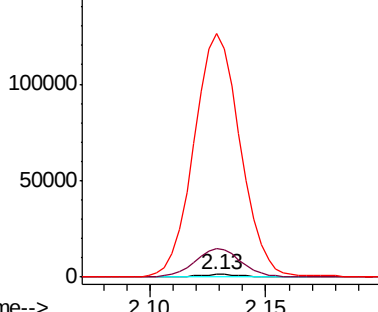
63 9569.7 88.3 164.1#

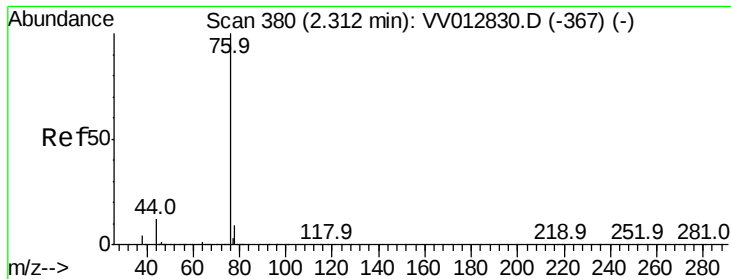


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.043 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

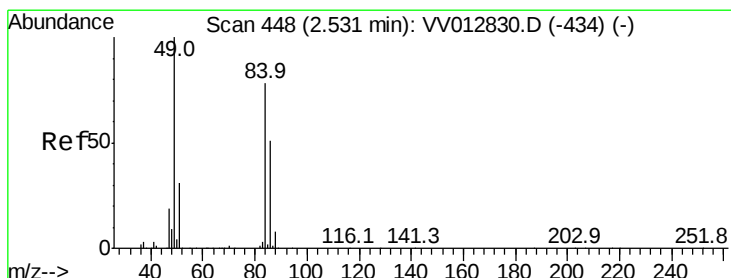
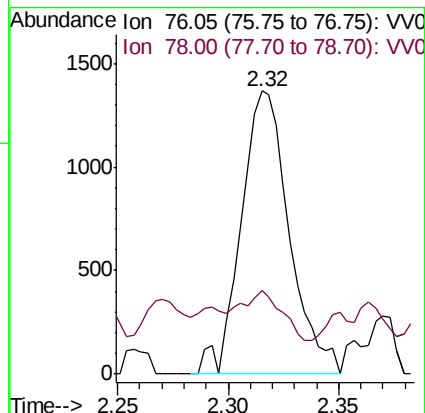
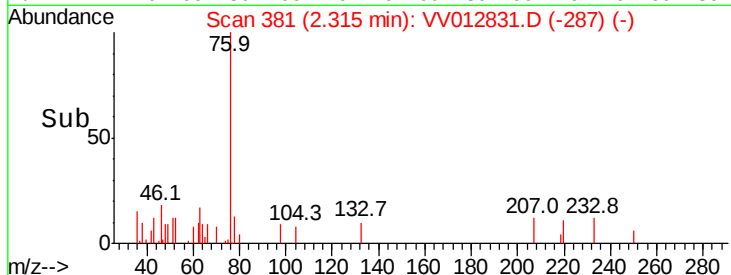
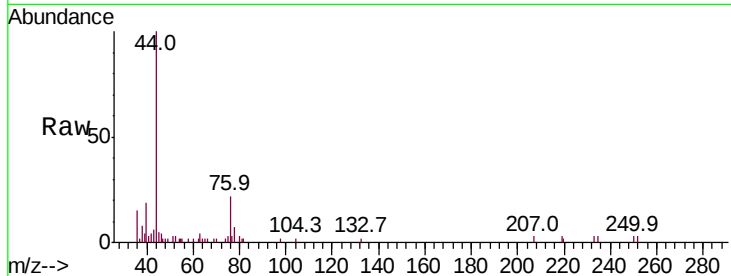
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 76 Resp: 2072

Ion Ratio Lower Upper

76 100

78 29.7 7.6 11.4#



#16

Methylene chloride

Concen: 0.183 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

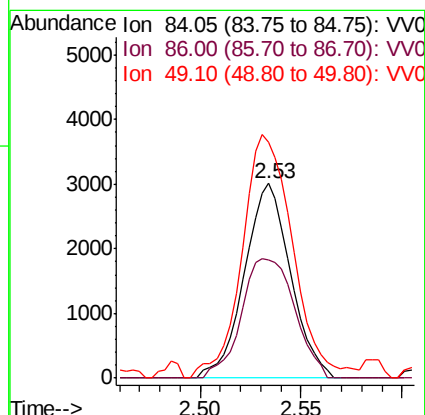
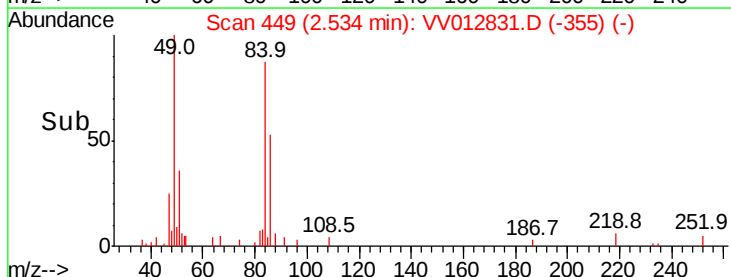
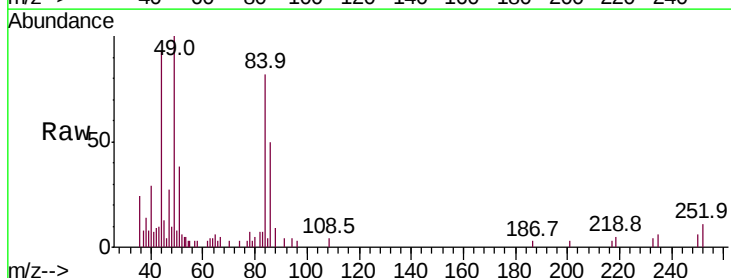
Tgt Ion: 84 Resp: 4817

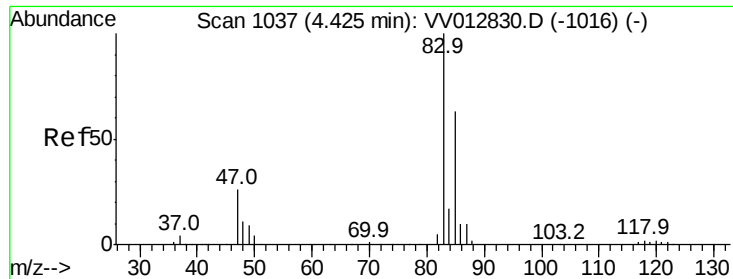
Ion Ratio Lower Upper

84 100

86 60.5 45.4 84.4

49 121.4 88.0 163.4

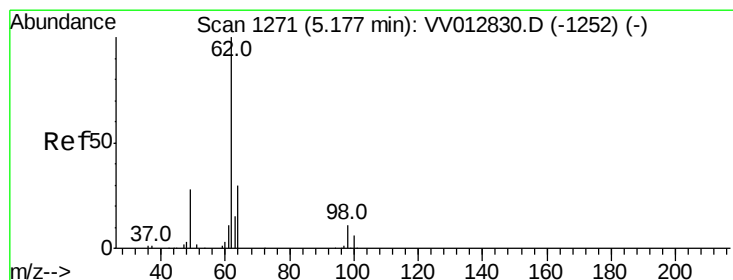
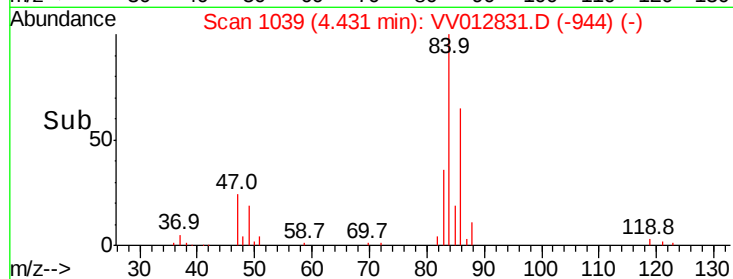
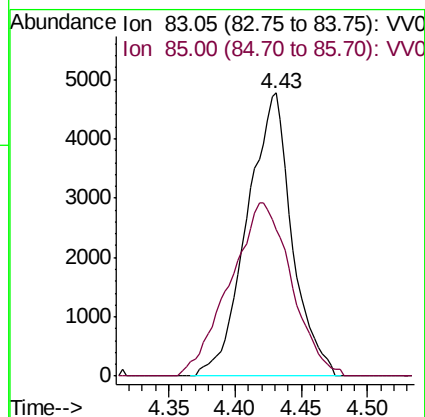
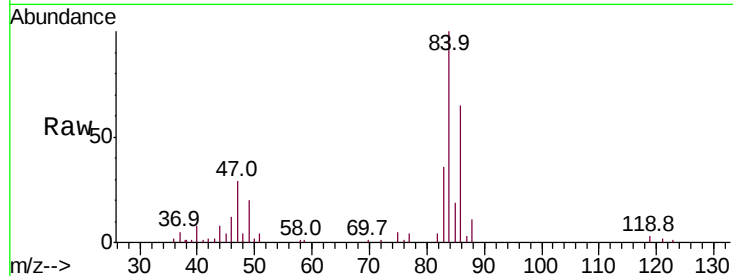




#25
Chloroform
Concen: 0.203 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012831.D
Acq: 16 Sep 2019 12:42

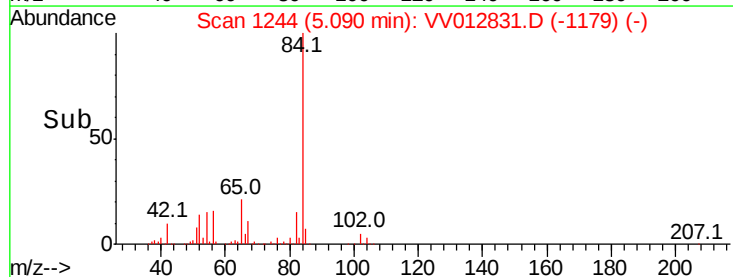
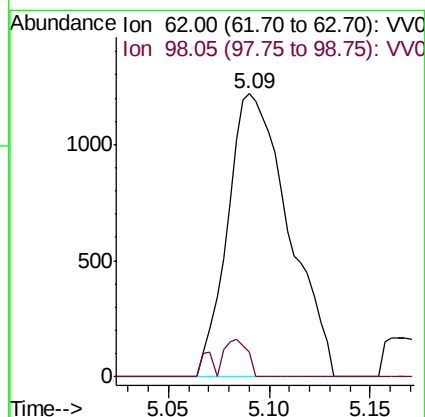
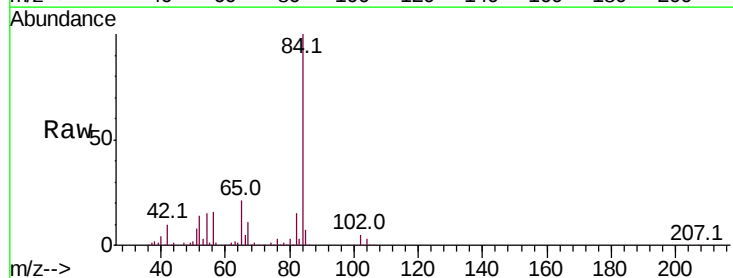
Instrument :
MSVOA_V
ClientSampleId :

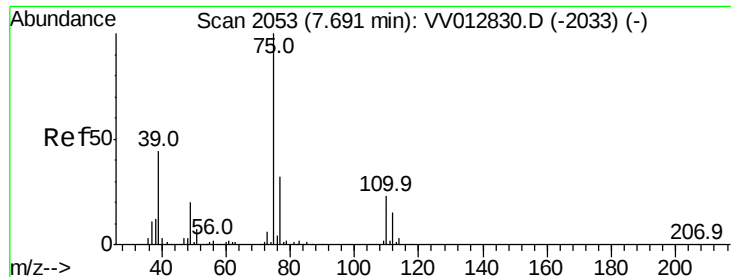
Tot Ion: 83 Resp: 11272
Ion Ratio Lower Upper
83 100
85 51.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.089 ug/L
RT: 5.09 min Scan# 1244
Delta R.T. -0.09 min
Lab File: VV012831.D
Acq: 16 Sep 2019 12:42

Tgt Ion: 62 Resp: 2564
Ion Ratio Lower Upper
62 100
98 8.7 8.3 12.5





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

Instrument :

MSVOA_V

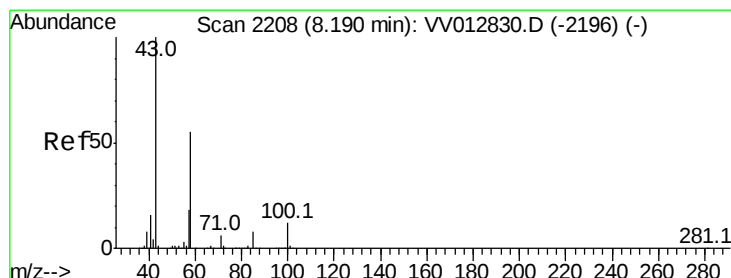
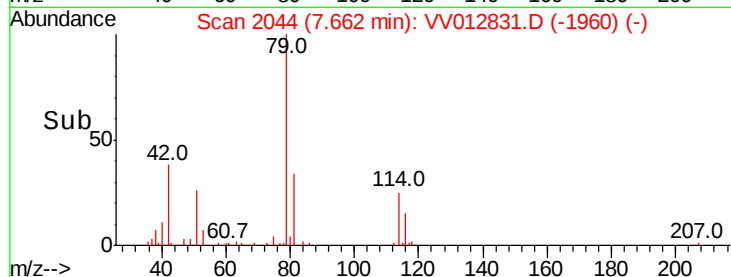
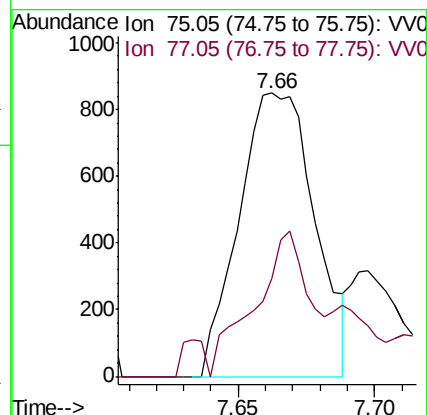
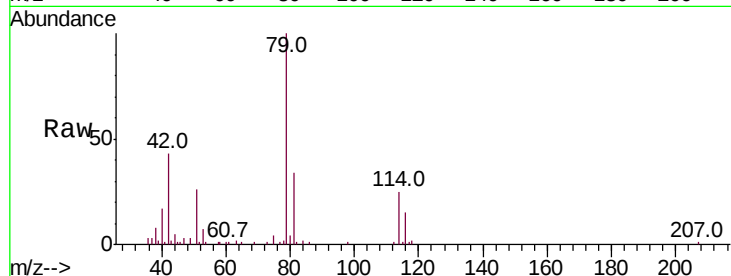
ClientSampled :

Tot Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

77 34.5 22.3 41.3



#48

2-Hexanone

Concen: 5.248 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

Tgt Ion: 43 Resp: 60092

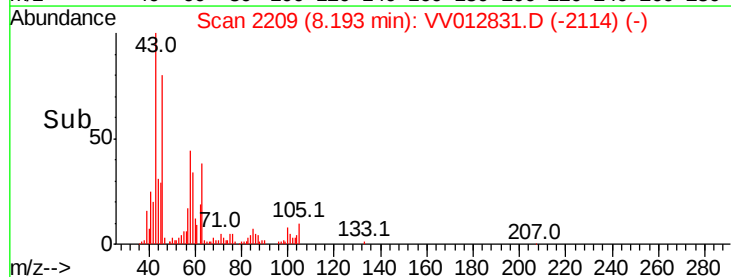
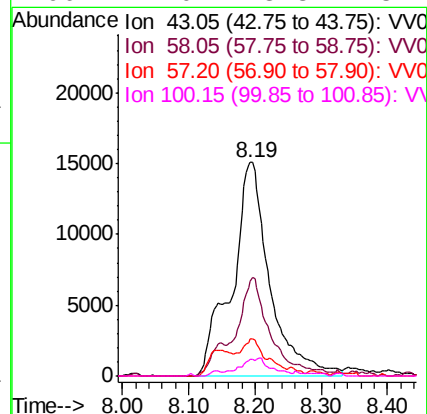
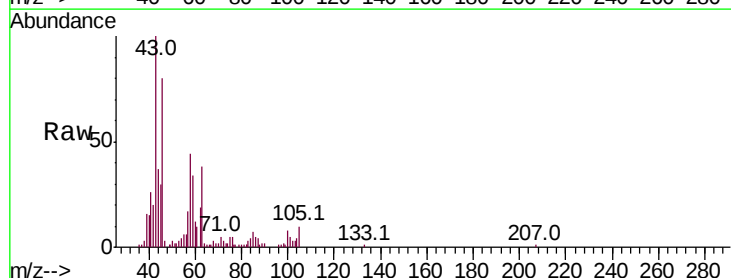
Ion Ratio Lower Upper

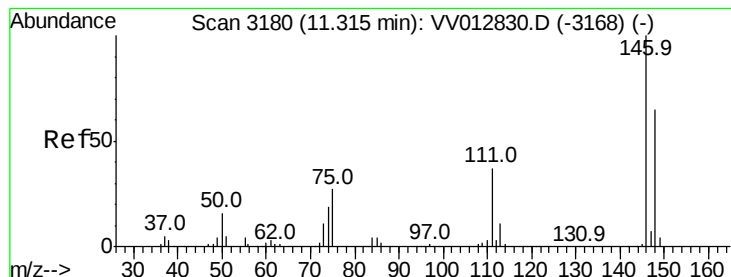
43 100

58 29.6 44.8 67.2#

57 8.7 15.0 22.6#

100 2.0 8.8 13.2#





#63

1,4-Dichlorobenzene

Concen: 0.053 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012831.D

Acq: 16 Sep 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

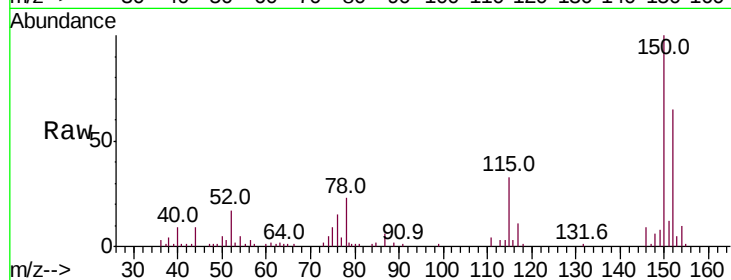
Tot Ion:146 Resp: 2406

Ion Ratio Lower Upper

146 100

111 46.1 26.6 49.4

148 59.1 45.0 83.6



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

