

Data File : VV014391.D
Acq On : 24 Jan 2020 15:36
Operator : SY/MD
Sample : L1253-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0AB0

Quant Time: Jan 25 00:22:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	932237	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	863850	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	405731	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	207675	3.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.80%
7) Chloroethane-d5	1.58	69	188384	3.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.80%
11) 1,1-Dichloroethene-d2	2.13	63	241611	2.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.20%#
20) 2-Butanone-d5	3.95	46	677539	43.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.48%
24) Chloroform-d	4.40	84	563415	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.08	65	269281	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.10	84	1060534	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.11	67	363691	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	868734	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	7.66	79	131615	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.13	63	749993	50.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	263998	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	329058	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	46118	0.707	ug/L	96
8) Chloroethane	1.32	64	15416	0.421	ug/L	95
12) 1,1-Dichloroethene	2.13	96	3917	0.094	ug/L #	1
13) Acetone	2.21	43	48562	4.500	ug/L	67
14) Carbon disulfide	2.32	76	189234	1.024	ug/L	100
15) Methyl Acetate	2.47	43	62170	2.475	ug/L	100
16) Methylene chloride	2.54	84	149449	2.204	ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	42995	0.687	ug/L	93
19) 1,1-Dichloroethane	3.23	63	57113	0.465	ug/L	96
21) 2-Butanone	4.04	43	143692	8.878	ug/L	80
22) cis-1,2-Dichloroethene	3.96	96	7738250	112.754	ug/L #	97
27) 1,2-Dichloroethane	5.09	62	4794	0.068	ug/L	99
33) Benzene	5.15	78	17486	0.066	ug/L	100
34) Trichloroethene	5.96	95	4348083	63.599	ug/L	98
35) Methylcyclohexane	6.11	83	82813	0.741	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	38491	0.573	ug/L #	89
42) Toluene	7.43	91	25875	0.092	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration

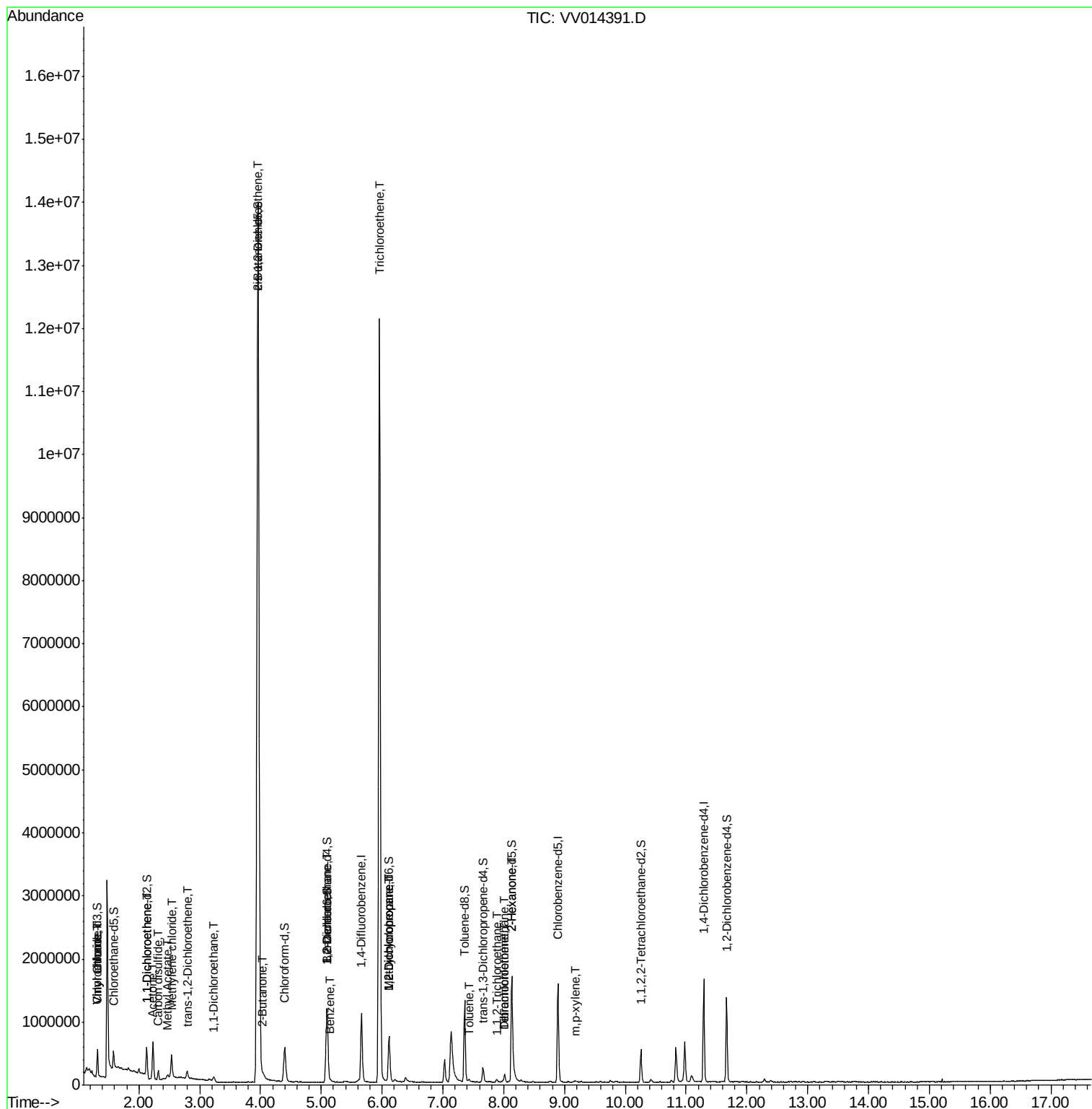
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.88	97	11965	0.279	ug/L	95
47) Tetrachloroethene	8.02	164	25607	0.548	ug/L	95
48) 2-Hexanone	8.13	43	93743	3.202	ug/L #	61
49) Dibromochloromethane	8.01	129	26795	0.494	ug/L #	13
53) m,p-xylene	9.18	106	8207	0.071	ug/L	85

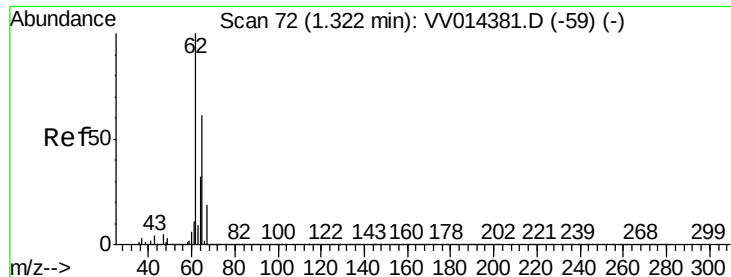
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.707 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

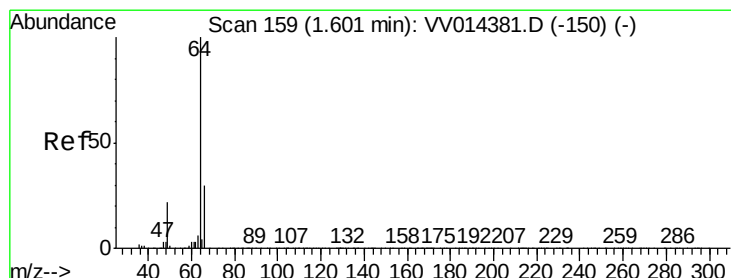
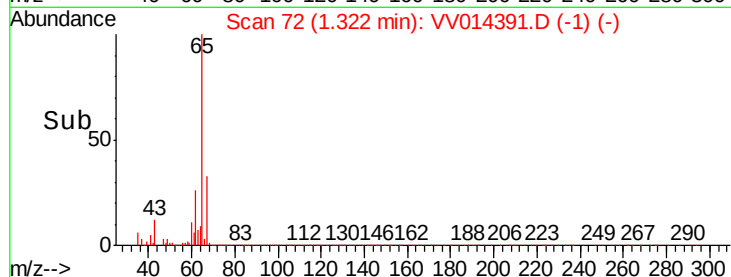
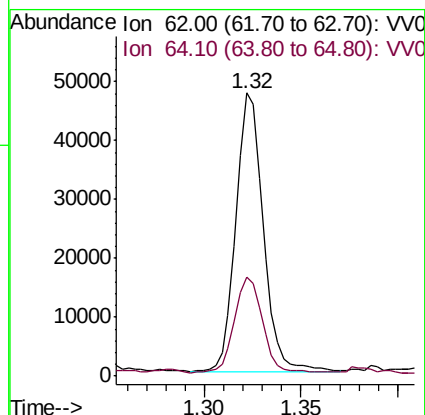
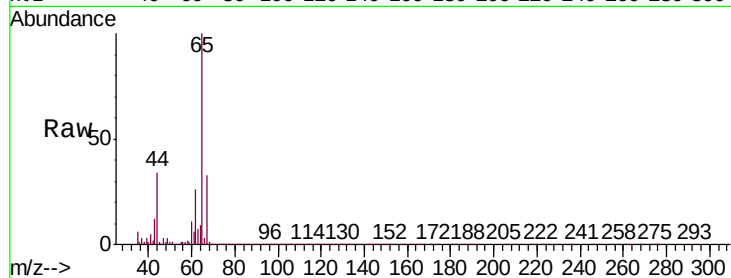
H0AB0

Tgt Ion: 62 Resp: 46118

Ion Ratio Lower Upper

62 100

64 35.0 23.0 42.6



#8

Chloroethane

Concen: 0.421 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV014391.D

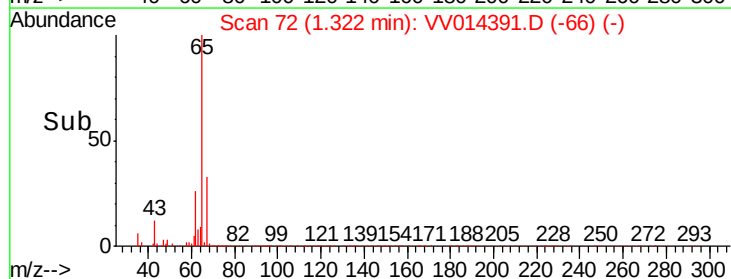
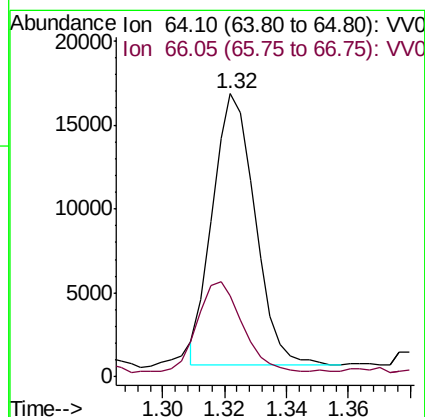
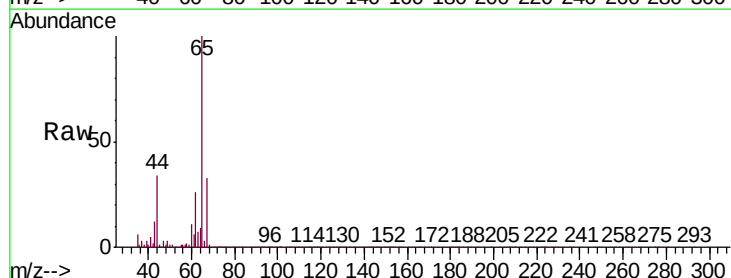
Acq: 24 Jan 2020 15:36

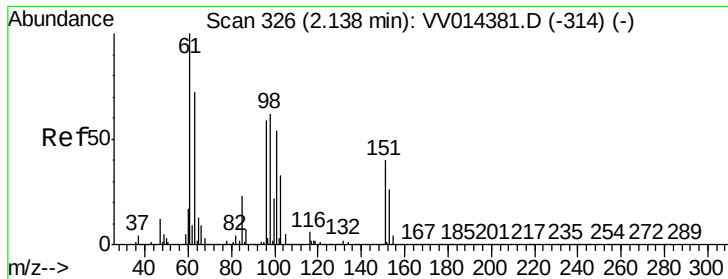
Tgt Ion: 64 Resp: 15416

Ion Ratio Lower Upper

64 100

66 28.6 21.8 40.6





#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

H0AB0

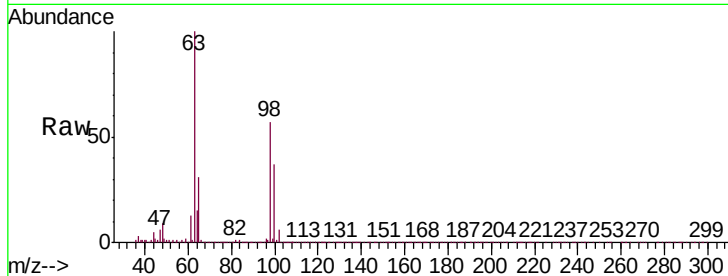
Tgt Ion: 96 Resp: 3917

Ion Ratio Lower Upper

96 100

61 885.8 121.5 225.7#

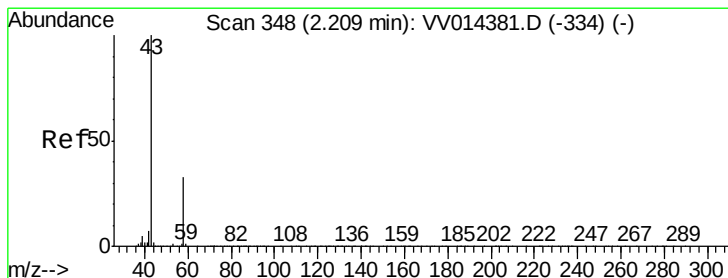
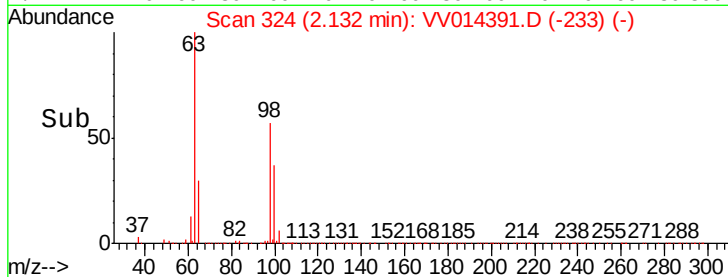
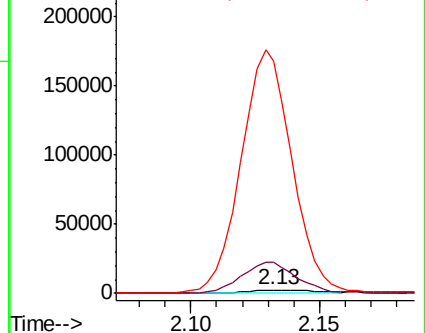
63 6661.9 90.3 167.7#



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



#13

Acetone

Concen: 4.500 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV014391.D

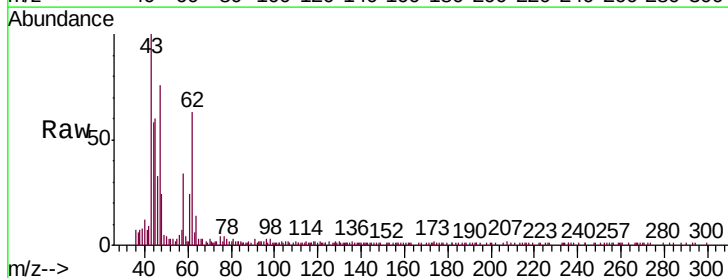
Acq: 24 Jan 2020 15:36

Tgt Ion: 43 Resp: 48562

Ion Ratio Lower Upper

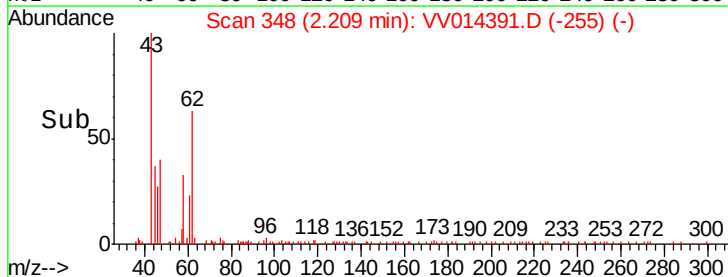
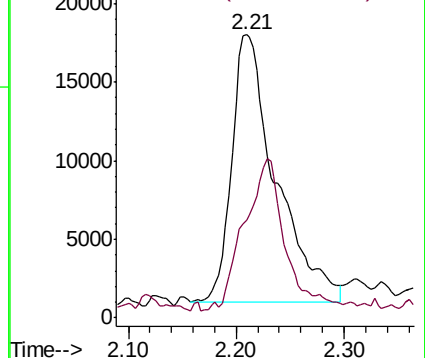
43 100

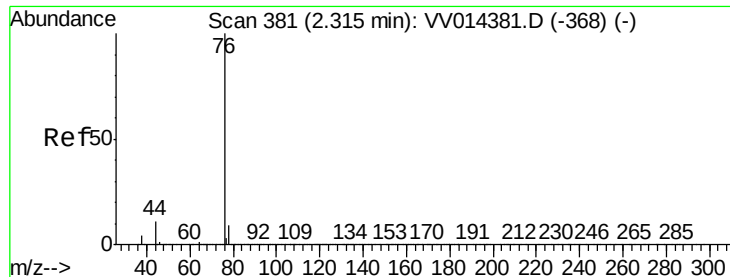
58 51.7 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 1.024 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

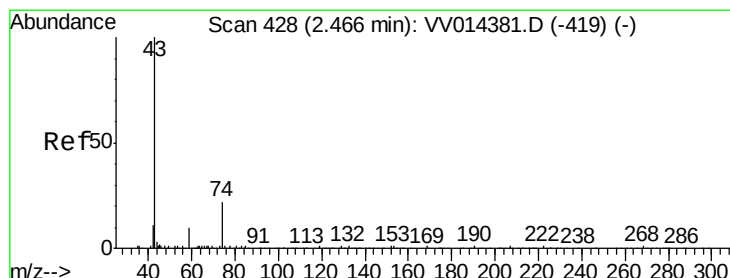
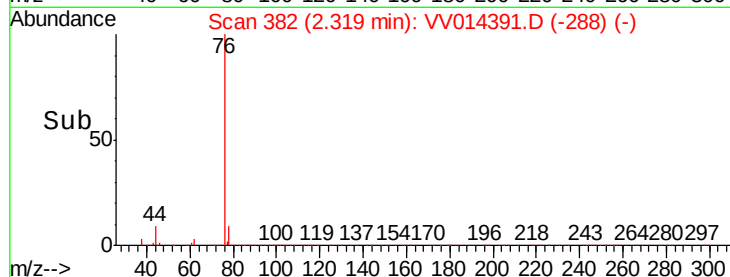
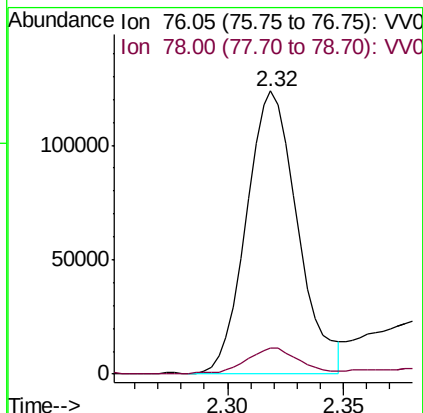
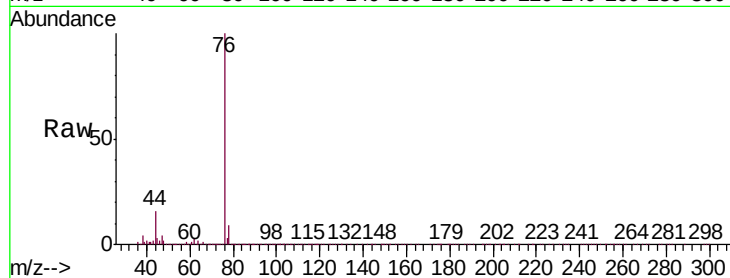
H0AB0

Tgt Ion: 76 Resp: 189234

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



#15

Methyl Acetate

Concen: 2.475 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV014391.D

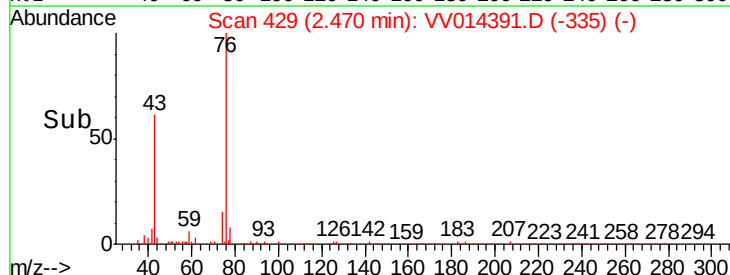
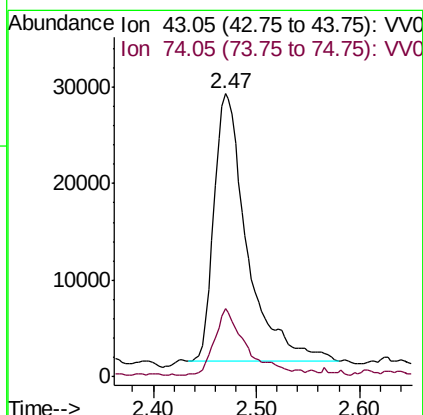
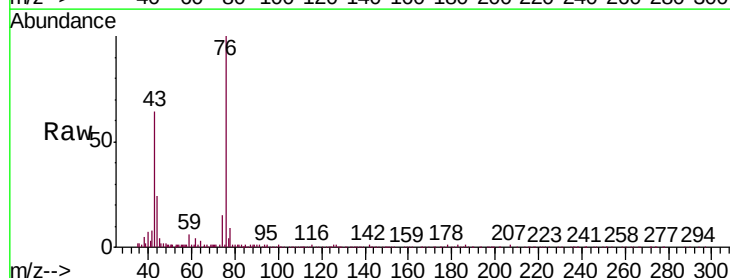
Acq: 24 Jan 2020 15:36

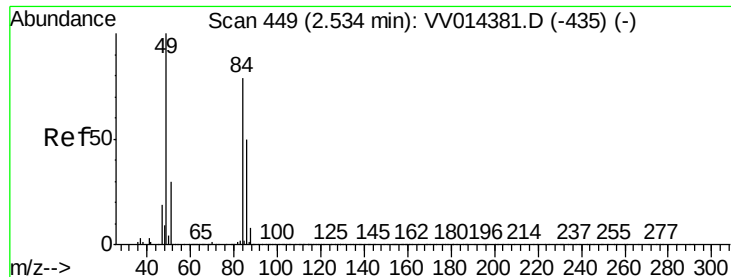
Tgt Ion: 43 Resp: 62170

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0

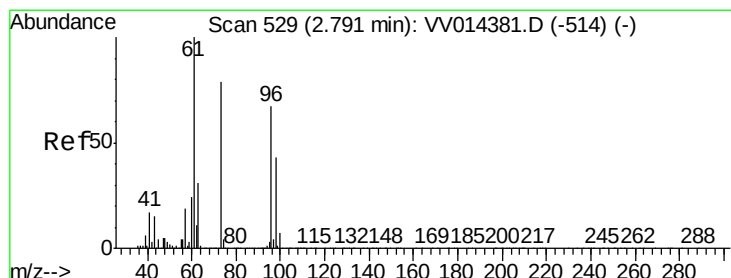
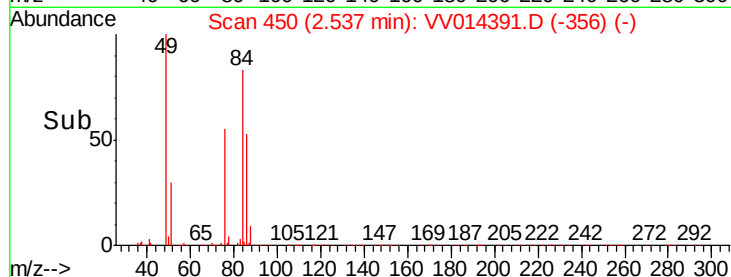
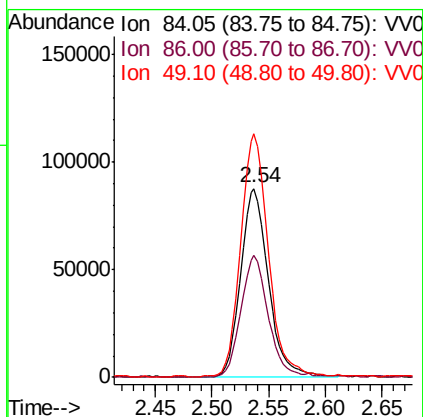
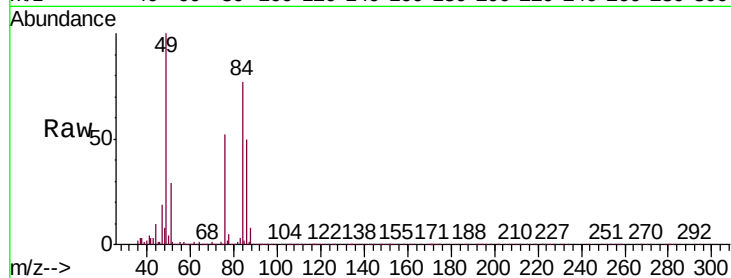




#16
Methylene chloride
Concen: 2.204 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014391.D
Acq: 24 Jan 2020 15:36

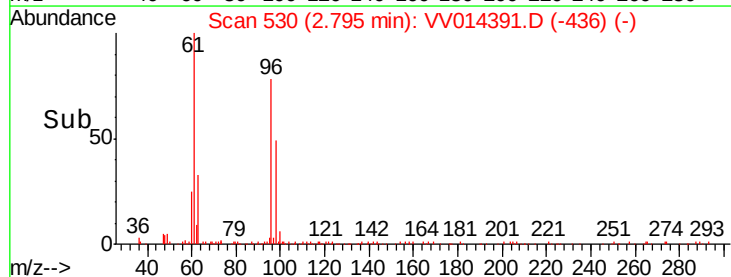
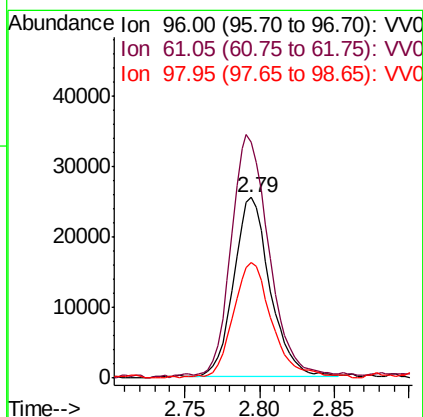
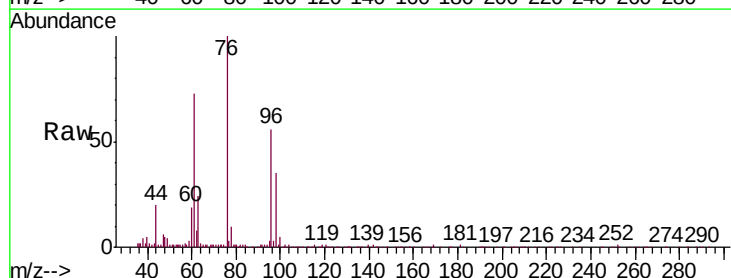
Instrument :
MSVOA_V
ClientSampled :
H0AB0

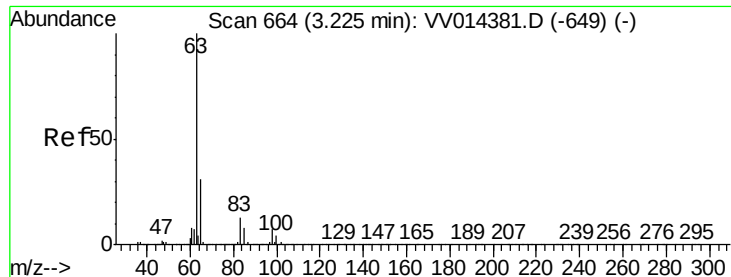
Tgt Ion: 84 Resp: 149449
Ion Ratio Lower Upper
84 100
86 64.7 43.1 80.1
49 129.1 82.1 152.5



#18
trans-1,2-Dichloroethene
Concen: 0.687 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014391.D
Acq: 24 Jan 2020 15:36

Tgt Ion: 96 Resp: 42995
Ion Ratio Lower Upper
96 100
61 130.9 99.2 184.2
98 63.9 43.1 80.1

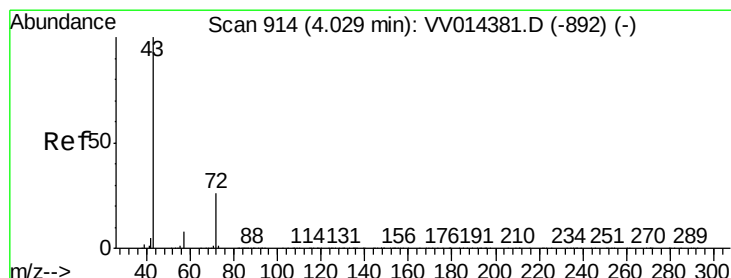
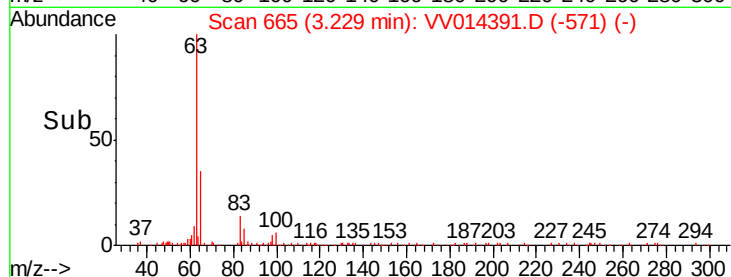
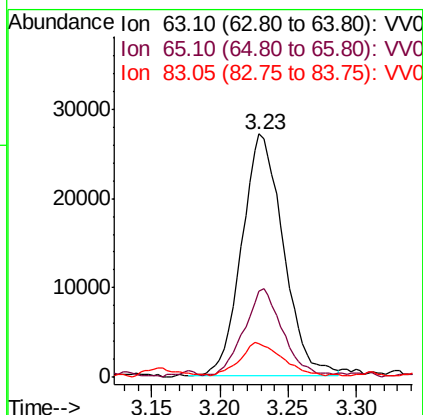
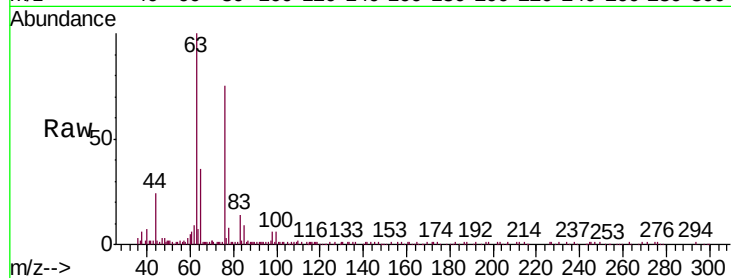




#19
 1,1-Dichloroethane
 Concen: 0.465 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014391.D
 Acq: 24 Jan 2020 15:36

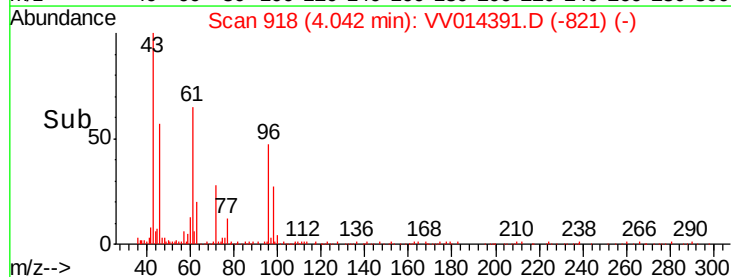
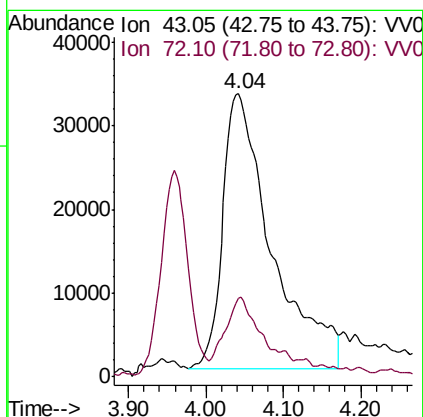
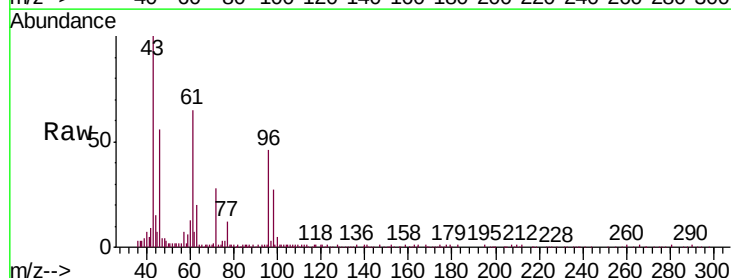
Instrument :
 MSVOA_V
 ClientSampleId :
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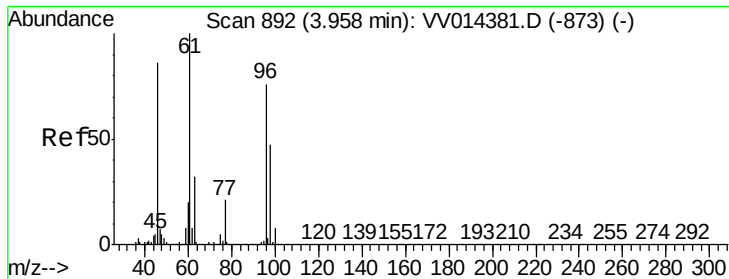
Tgt Ion: 63 Resp: 57113
 Ion Ratio Lower Upper
 63 100
 65 35.6 22.7 42.3
 83 13.9 10.0 18.6



#21
 2-Butanone
 Concen: 8.878 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VV014391.D
 Acq: 24 Jan 2020 15:36

Tgt Ion: 43 Resp: 143692
 Ion Ratio Lower Upper
 43 100
 72 14.9 12.4 37.2



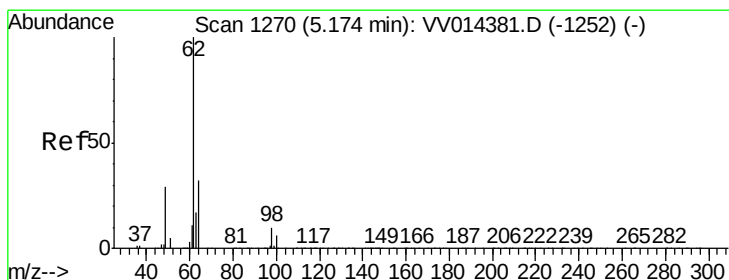
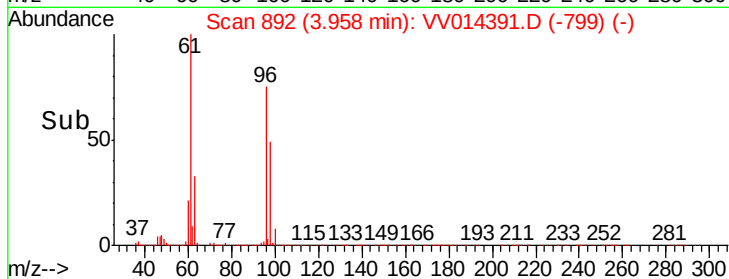
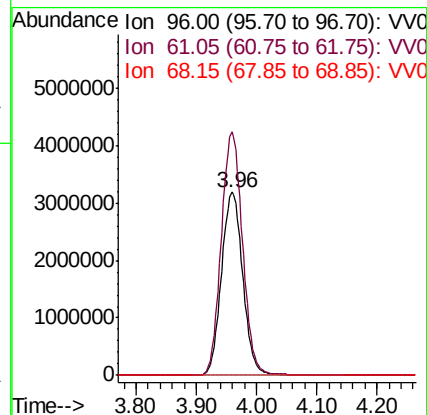
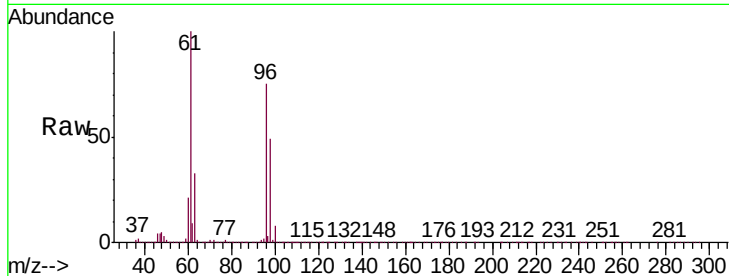


#22

cis-1,2-Dichloroethene
 Concen: 112.754 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014391.D
 Acq: 24 Jan 2020 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AB0

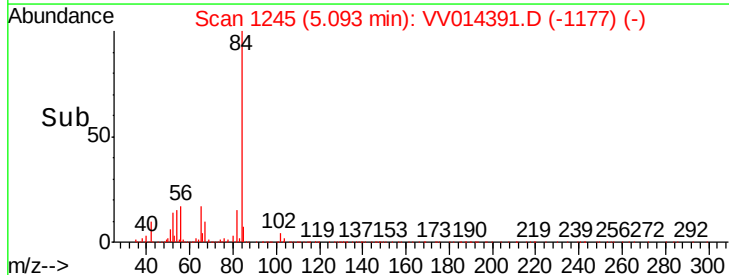
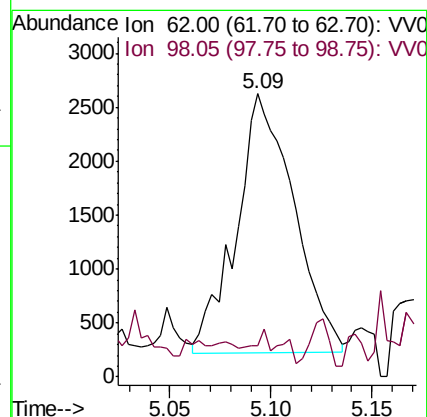
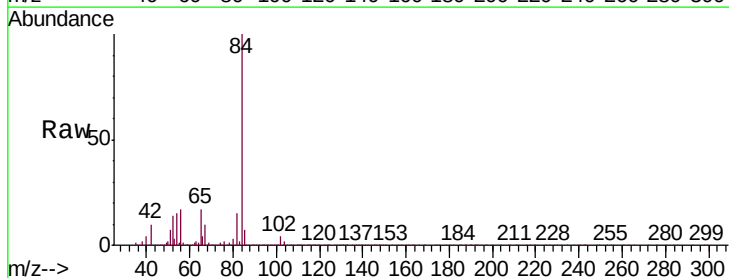
Tgt Ion: 96 Resp: 7738250
 Ion Ratio Lower Upper
 96 100
 61 132.9 90.6 168.3
 68 0.0 0.3 0.7#

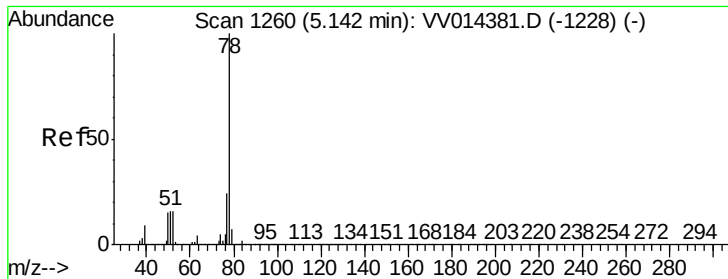


#27

1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV014391.D
 Acq: 24 Jan 2020 15:36

Tgt Ion: 62 Resp: 4794
 Ion Ratio Lower Upper
 62 100
 98 11.0 9.2 13.8





#33

Benzene

Concen: 0.066 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

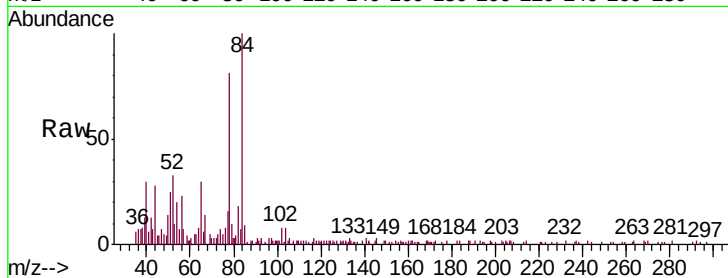
Instrument :

MSVOA_V

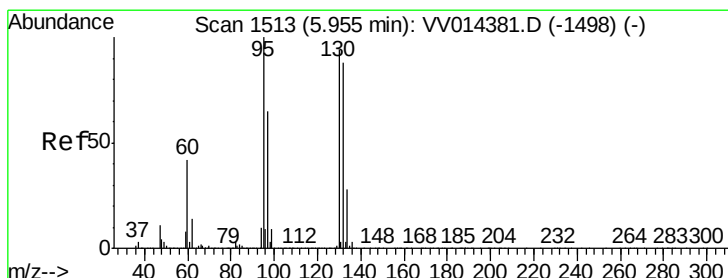
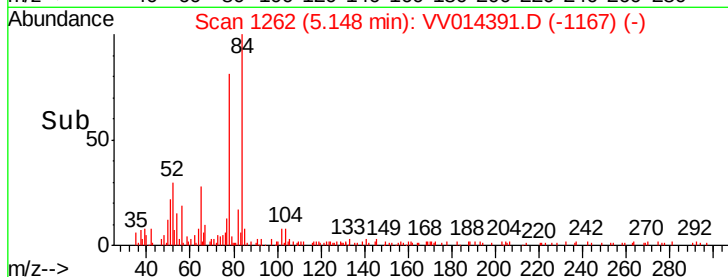
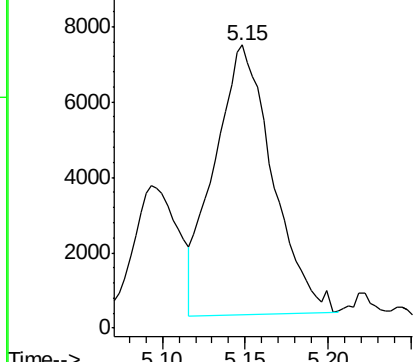
ClientSampleId :

H0AB0

Tgt Ion: 78 Resp: 17486



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 63.599 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Tgt Ion: 95 Resp: 4348083

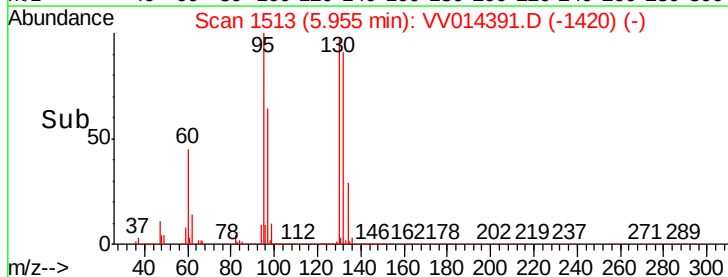
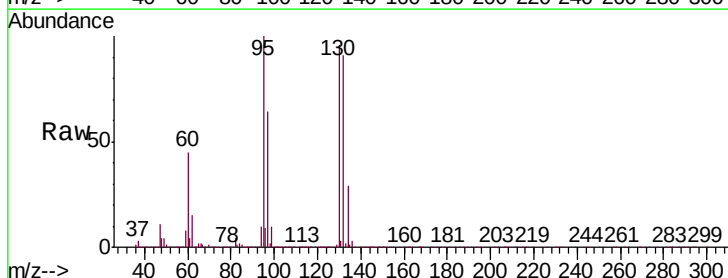
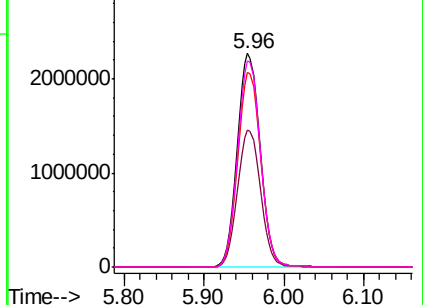
Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.8	81.3
132	90.9	63.4	117.8
130	96.3	65.7	122.1

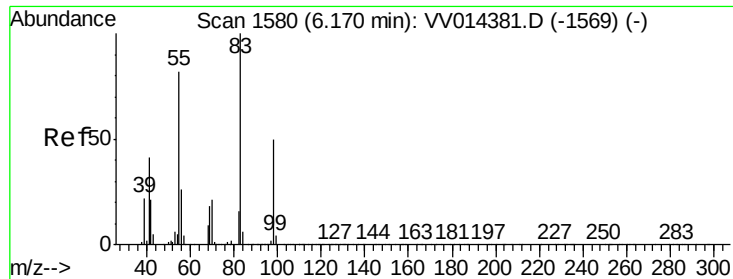
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

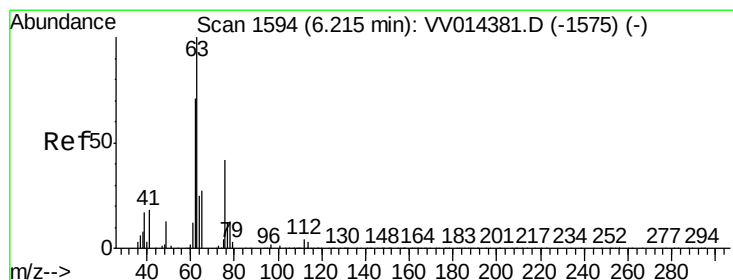
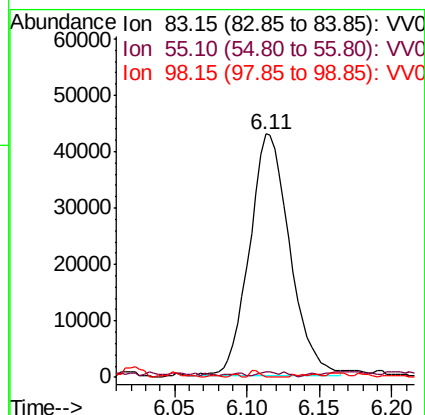
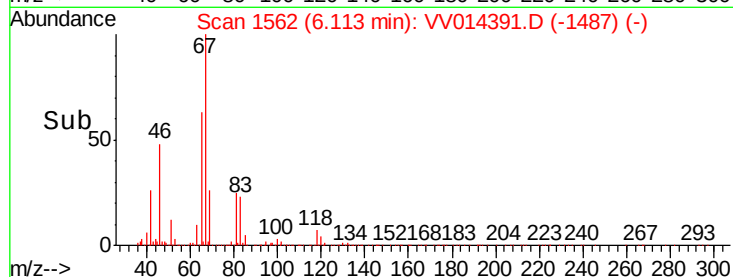
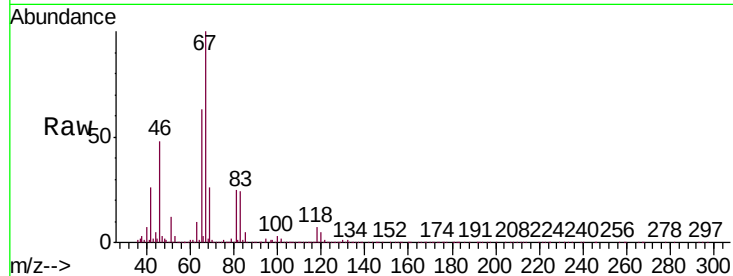




#35
Methylcyclohexane
Concen: 0.741 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014391.D
Acq: 24 Jan 2020 15:36

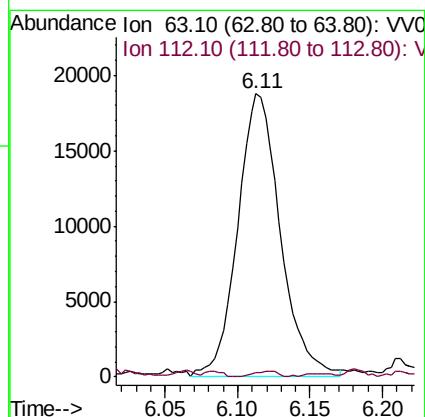
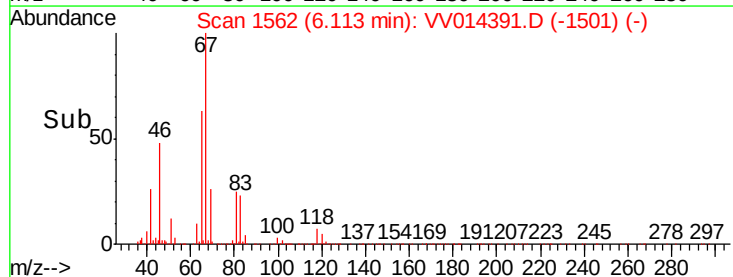
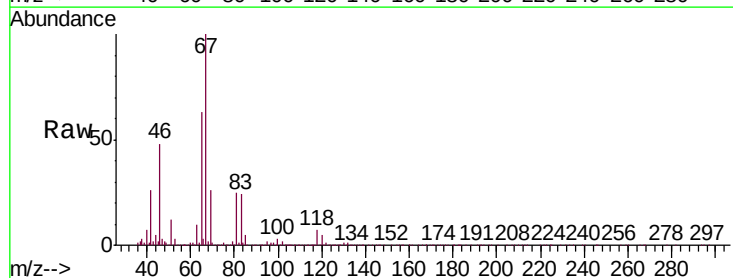
Instrument :
MSVOA_V
ClientSampleId :
H0AB0

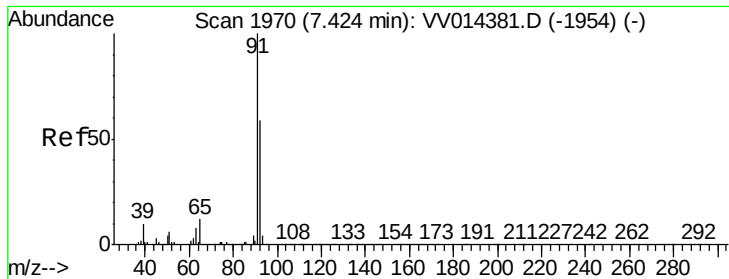
Tgt Ion: 83 Resp: 82813
Ion Ratio Lower Upper
83 100
55 0.5 61.7 92.5#
98 0.0 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.573 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014391.D
Acq: 24 Jan 2020 15:36

Tgt Ion: 63 Resp: 38491
Ion Ratio Lower Upper
63 100
112 1.1 3.7 5.5#





#42

Toluene

Concen: 0.092 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

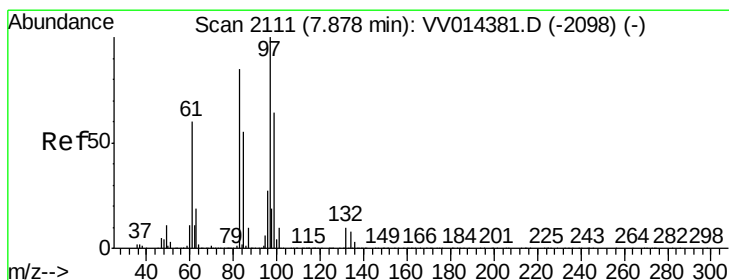
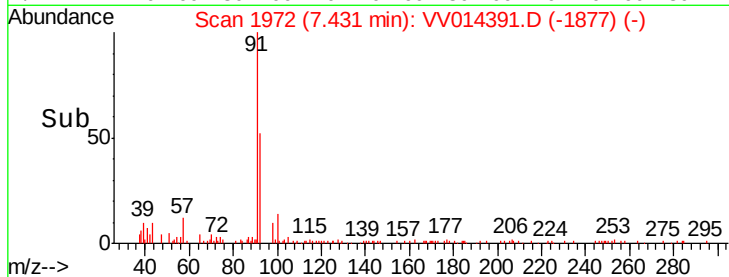
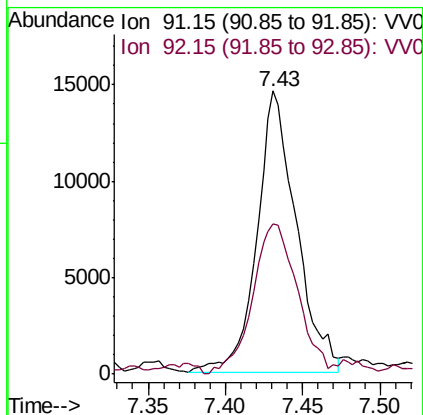
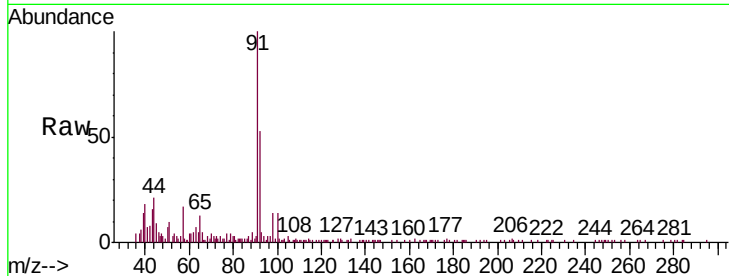
H0AB0

Tgt Ion: 91 Resp: 25875

Ion Ratio Lower Upper

91 100

92 53.1 41.2 76.6



#45

1,1,2-Trichloroethane

Concen: 0.279 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Tgt Ion: 97 Resp: 11965

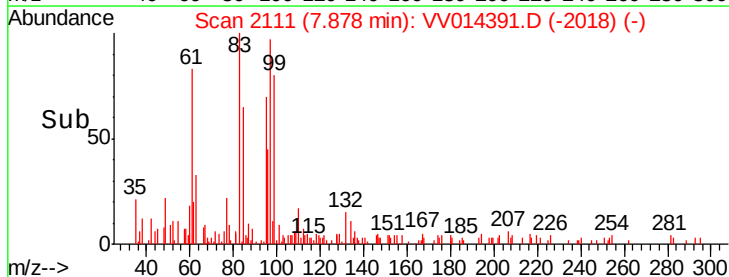
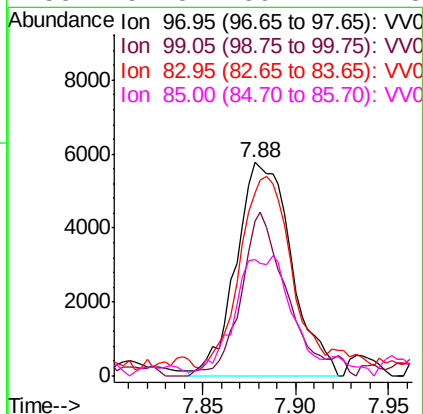
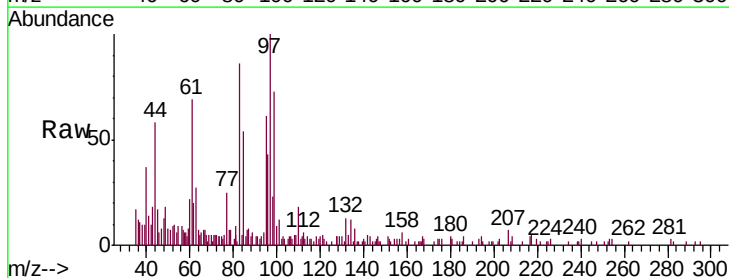
Ion Ratio Lower Upper

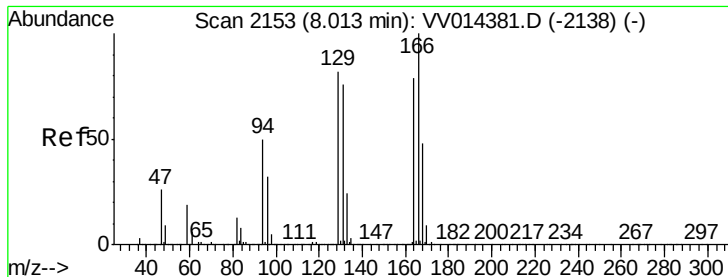
97 100

99 72.6 43.7 81.1

83 85.7 60.0 111.4

85 54.3 39.2 72.8





#47

Tetrachloroethene

Concen: 0.548 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

H0AB0

Tgt Ion:164 Resp: 25607

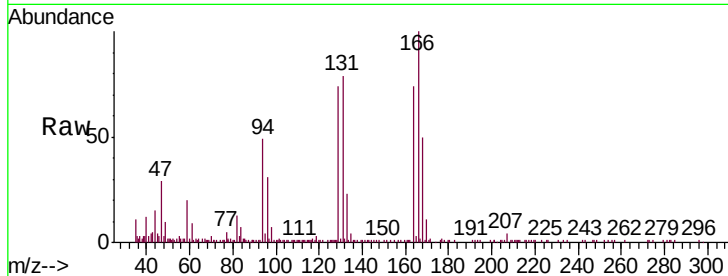
Ion Ratio Lower Upper

164 100

129 100.1 71.7 133.3

131 106.8 70.4 130.8

166 134.9 90.3 167.7

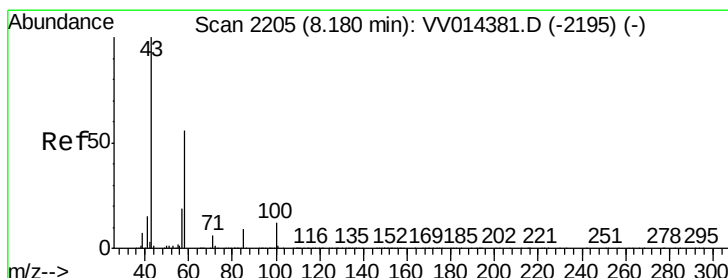
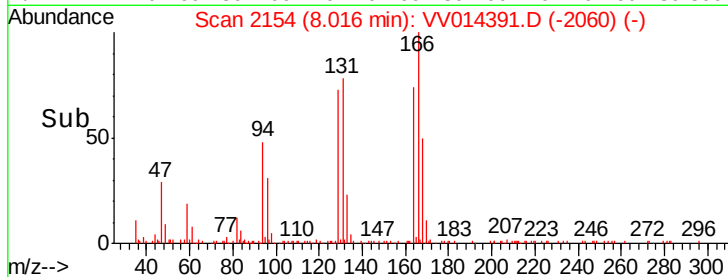
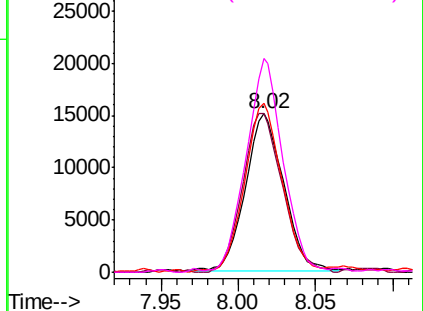


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.202 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Tgt Ion: 43 Resp: 93743

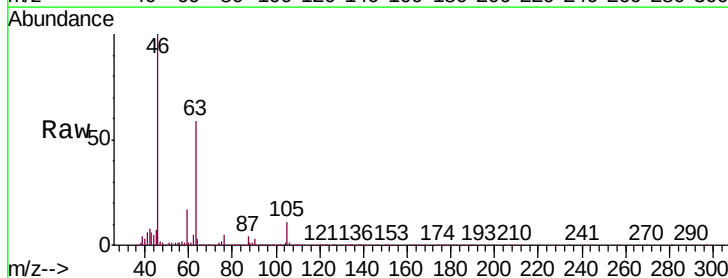
Ion Ratio Lower Upper

43 100

58 19.8 45.4 68.0#

57 13.5 15.8 23.8#

100 0.7 10.2 15.4#

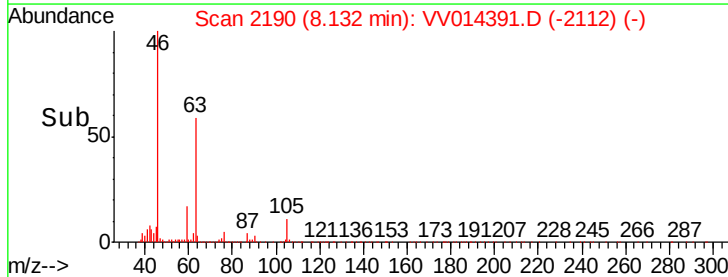
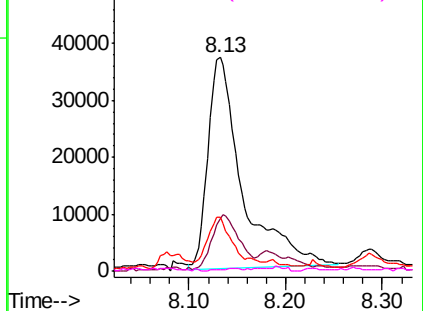


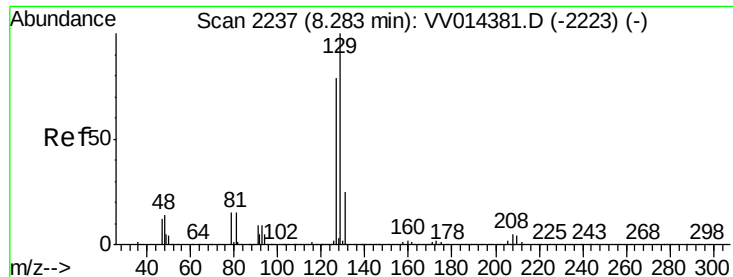
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.494 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Instrument :

MSVOA_V

ClientSampleId :

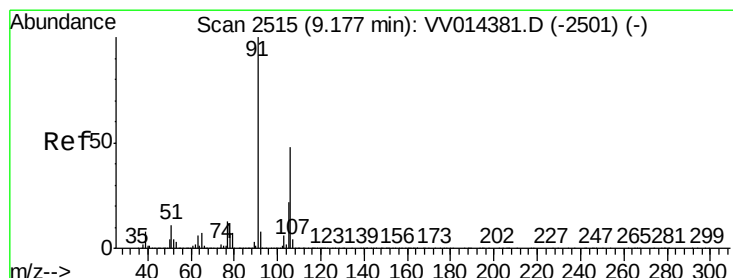
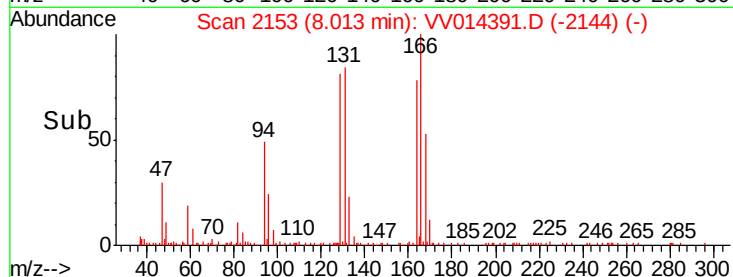
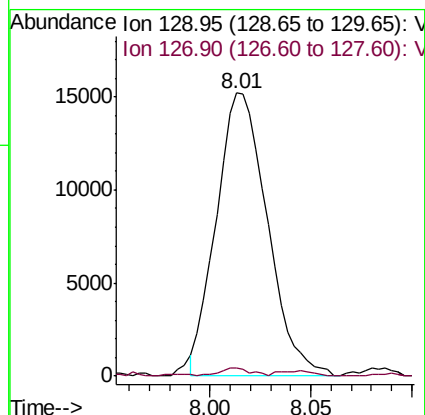
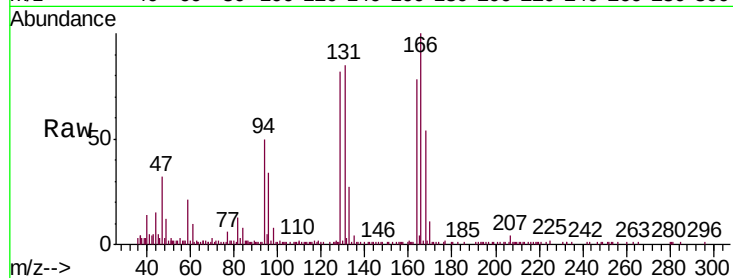
H0AB0

Tgt Ion:129 Resp: 26795

Ion Ratio Lower Upper

129 100

127 2.8 55.7 103.5#



#53

m,p-xylene

Concen: 0.071 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014391.D

Acq: 24 Jan 2020 15:36

Tgt Ion:106 Resp: 8207

Ion Ratio Lower Upper

106 100

91 185.5 146.8 272.6

