

Data File : VV013403.D
Acq On : 29 Oct 2019 18:41
Operator : SY/MD
Sample : K5597-10MSD
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQD9MSD

Quant Time: Oct 30 02:54:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	356931	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	378923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	189028	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	158306	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	129317	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	250811	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	3.96	46	412802	53.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.92%
24) Chloroform-d	4.40	84	303168	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	165691	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.10	84	644018	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	202161	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	547128	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.66	79	70152	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.13	63	232616	47.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	129521	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	201486	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2638	0.092	ug/L #	31
12) 1,1-Dichloroethene	2.14	96	93960	3.441	ug/L #	84
13) Acetone	2.23	43	6078	1.611	ug/L	97
14) Carbon disulfide	2.32	76	20549	0.249	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	15652	0.430	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	88197	2.406	ug/L #	98
25) Chloroform	4.43	83	25864	0.366	ug/L	98
27) 1,2-Dichloroethane	5.10	62	3039	0.078	ug/L	98
30) Cyclohexane	4.72	56	9272	0.157	ug/L	99
33) Benzene	5.14	78	672483	4.749	ug/L	100
34) Trichloroethene	5.96	95	201576	5.185	ug/L	99
35) Methylcyclohexane	6.17	83	6992	0.121	ug/L #	76
37) 1,2-Dichloropropane	6.12	63	21668	0.605	ug/L #	91
42) Toluene	7.43	91	616852	4.178	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	3858	0.101	ug/L	98
47) Tetrachloroethene	8.02	164	168424	5.114	ug/L	95
48) 2-Hexanone	8.18	43	28882	2.027	ug/L #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

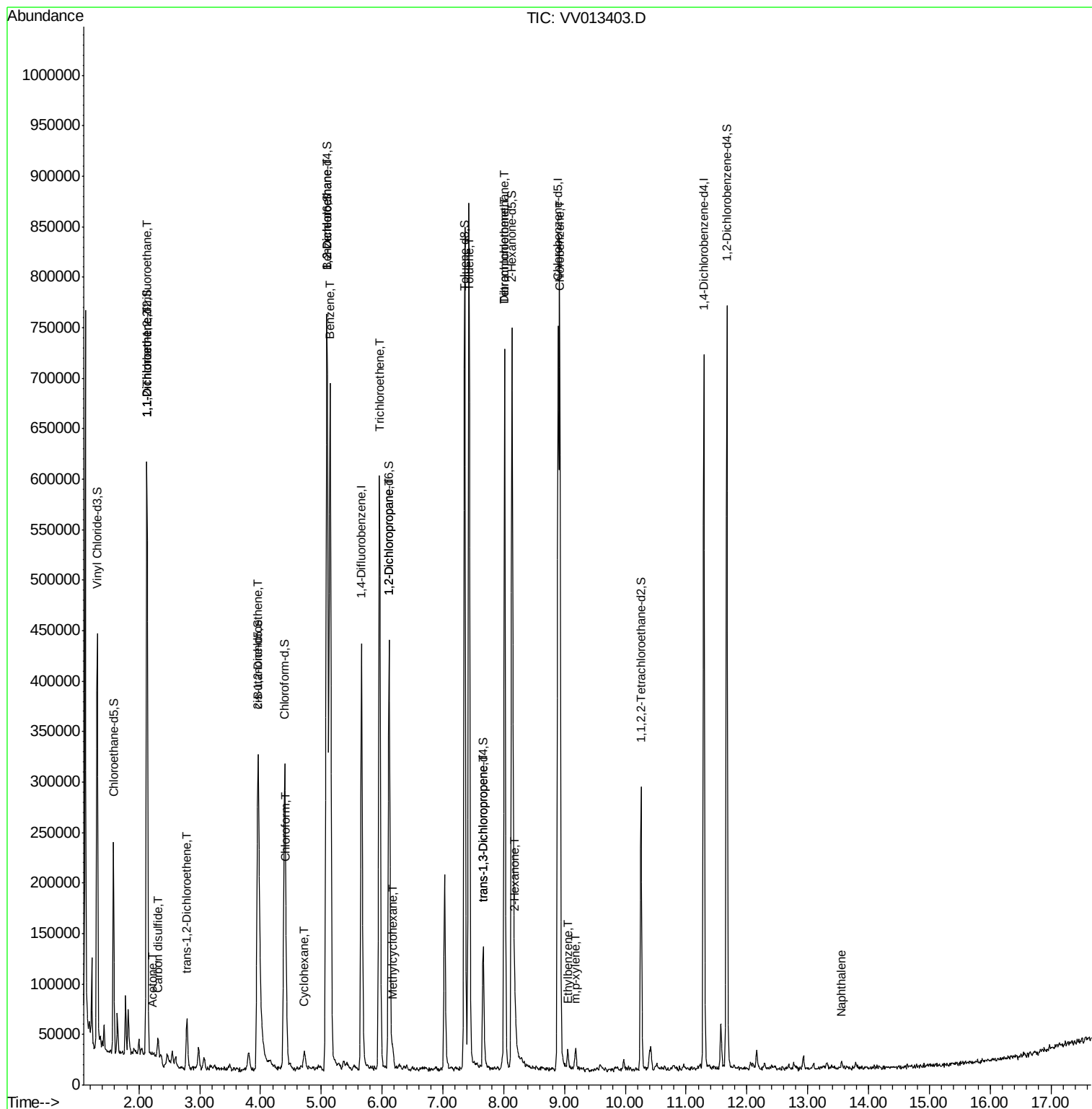
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	142290	4.826	ug/L #	11
51) Chlorobenzene	8.92	112	420962	4.417	ug/L	99
52) Ethylbenzene	9.05	91	12981	0.083	ug/L	99
53) m,p-xylene	9.19	106	6106	0.106	ug/L	71
69) Naphthalene	13.55	128	4983	0.092	ug/L #	82

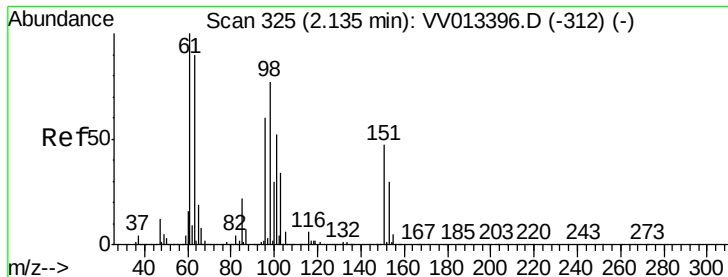
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.092 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

GAQD9MSD

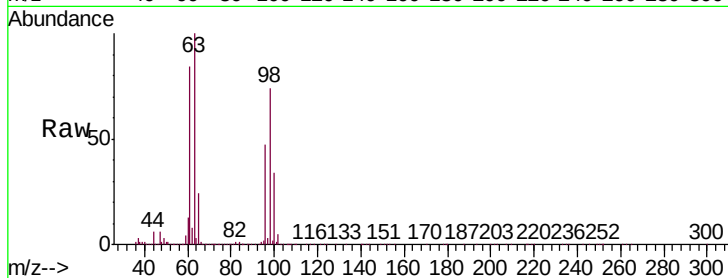
Tgt Ion: 101 Resp: 2638

Ion Ratio Lower Upper

101 100

85 9.4 33.0 49.4#

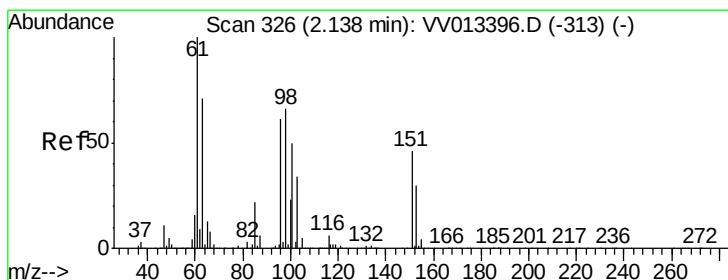
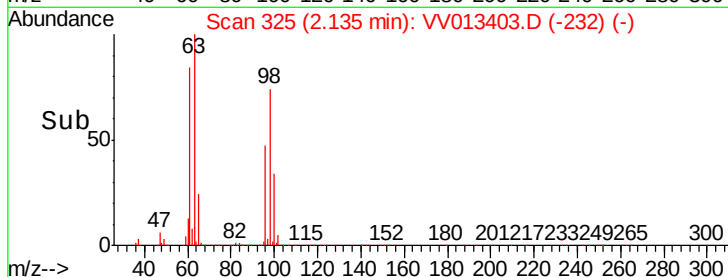
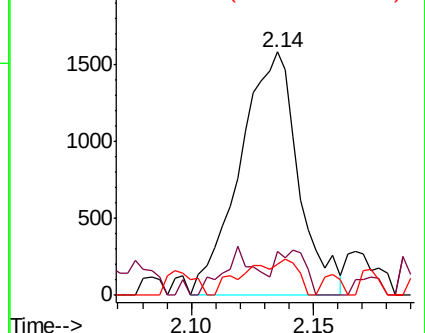
151 13.5 68.2 102.2#



Abundance Ion 101.00 (100.70 to 101.70): VV013396.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013396.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013396.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 3.441 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

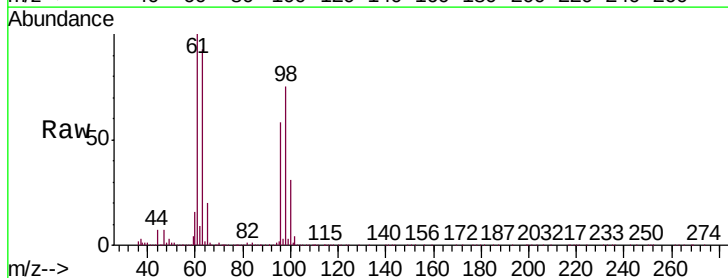
Tgt Ion: 96 Resp: 93960

Ion Ratio Lower Upper

96 100

61 171.9 117.8 218.8

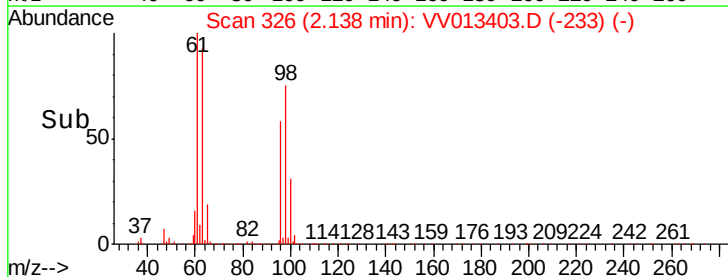
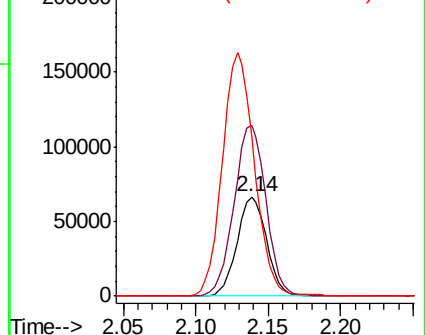
63 159.6 85.5 158.9#

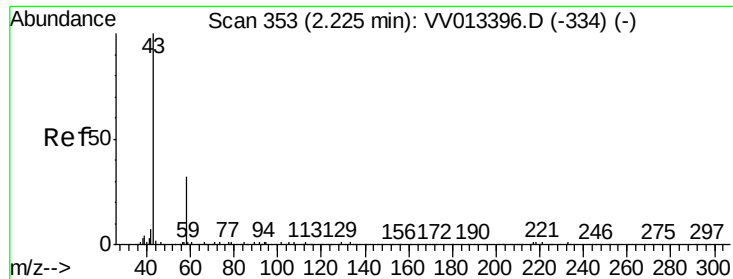


Abundance Ion 96.00 (95.70 to 96.70): VV013396.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV013396.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV013396.D (-313) (-)





#13

Acetone

Concen: 1.611 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampled :

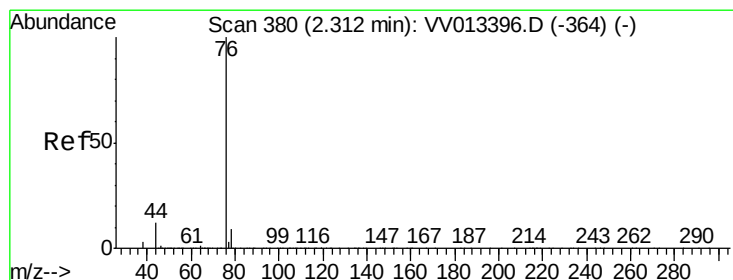
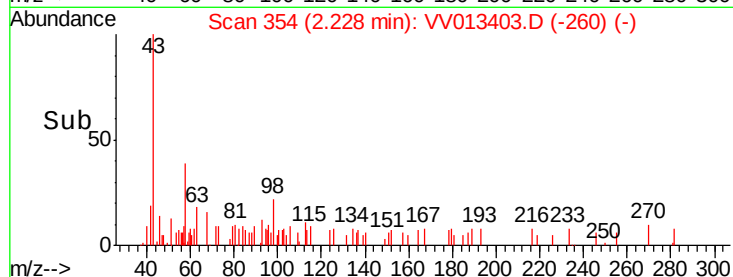
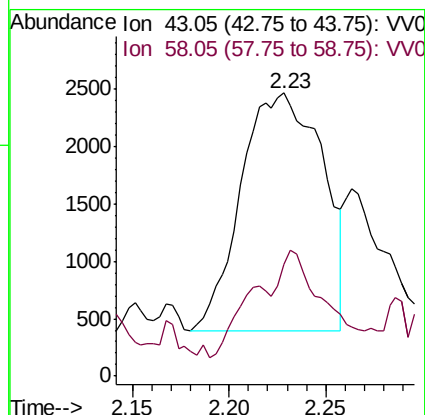
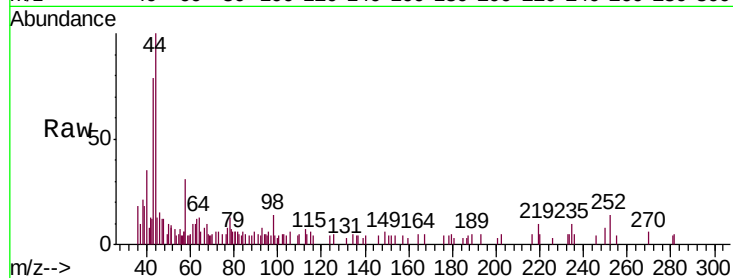
GAQD9MSD

Tgt Ion: 43 Resp: 6078

Ion Ratio Lower Upper

43 100

58 31.1 0.0 59.0



#14

Carbon disulfide

Concen: 0.249 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013403.D

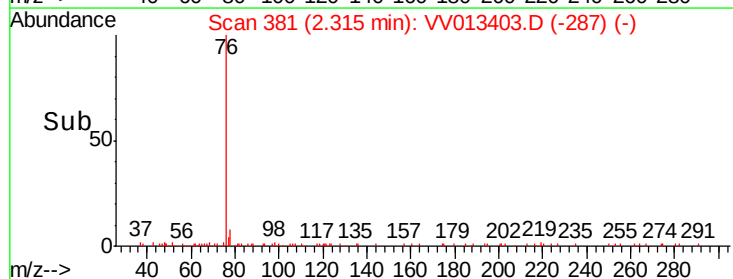
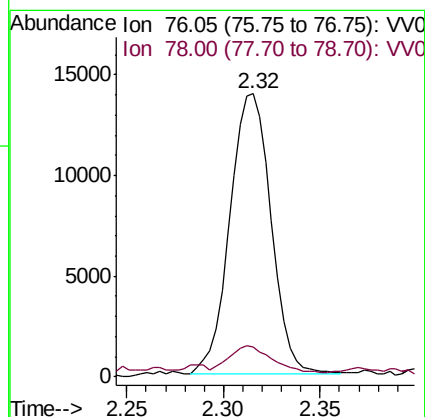
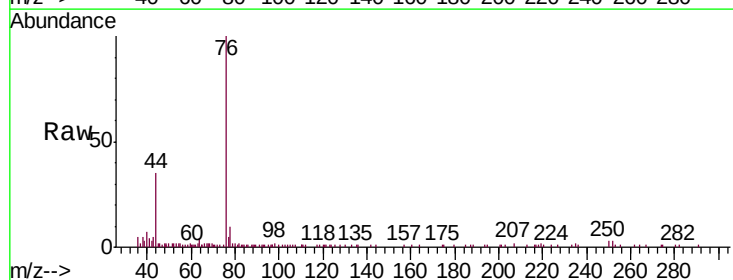
Acq: 29 Oct 2019 18:41

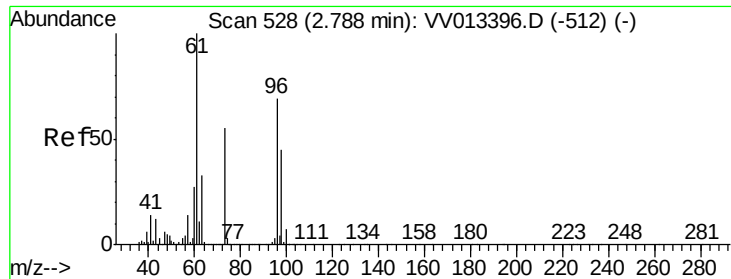
Tgt Ion: 76 Resp: 20549

Ion Ratio Lower Upper

76 100

78 10.4 7.5 11.3





#18

trans-1,2-Dichloroethene

Concen: 0.430 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

GAQD9MSD

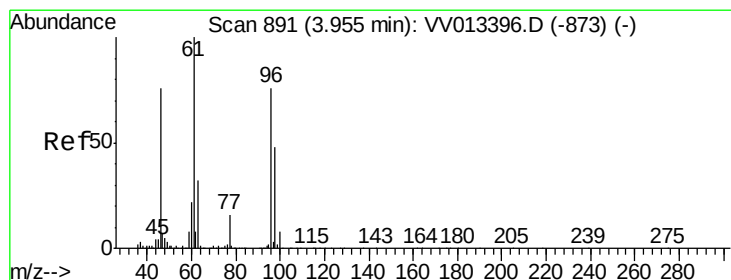
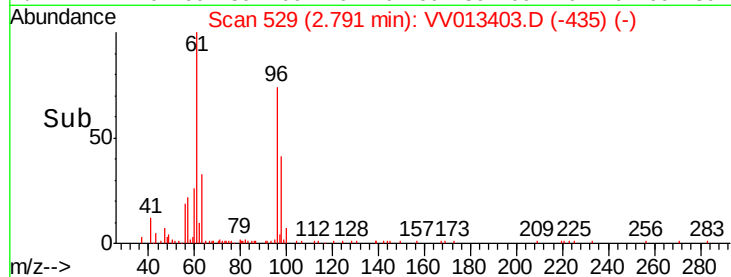
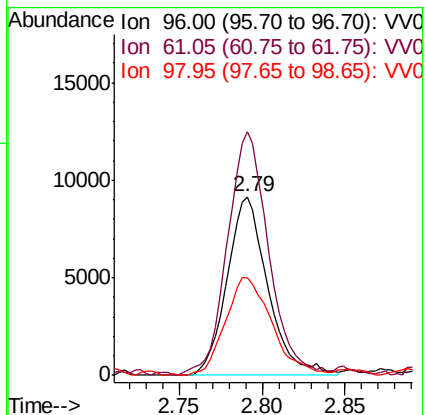
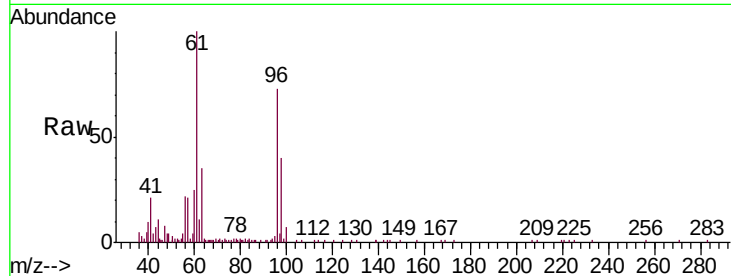
Tgt Ion: 96 Resp: 15652

Ion Ratio Lower Upper

96 100

61 136.4 100.1 185.9

98 54.8 44.2 82.0



#22

cis-1,2-Dichloroethene

Concen: 2.406 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

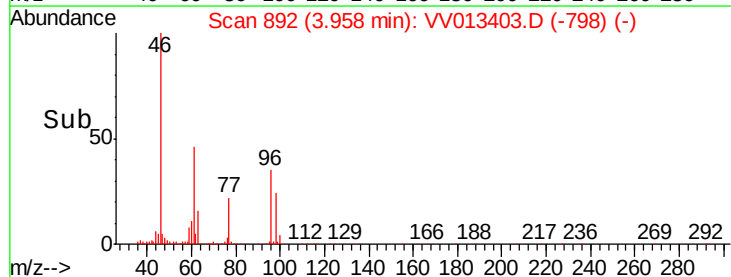
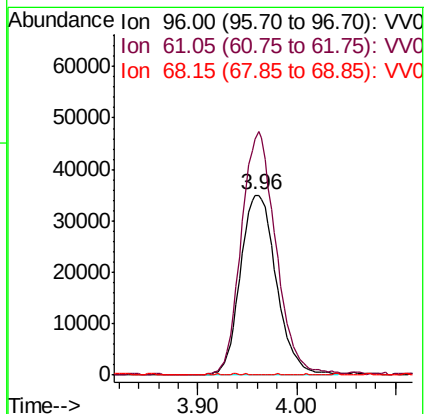
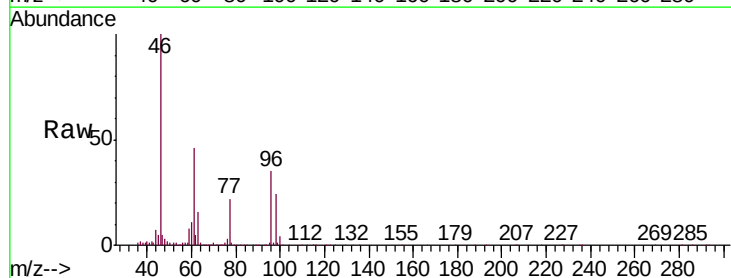
Tgt Ion: 96 Resp: 88197

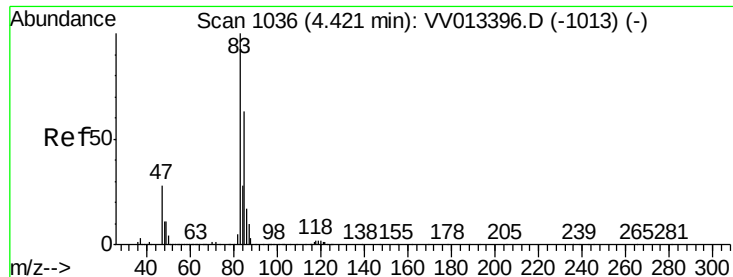
Ion Ratio Lower Upper

96 100

61 131.3 89.9 167.0

68 0.4 0.1 0.3#

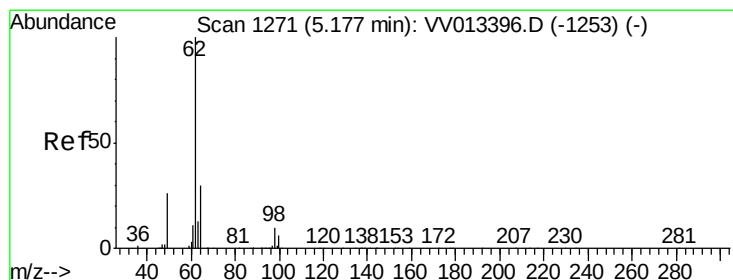
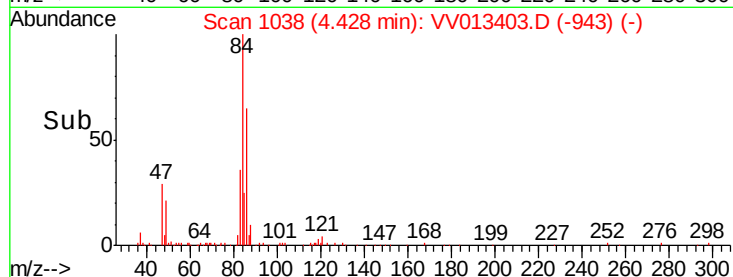
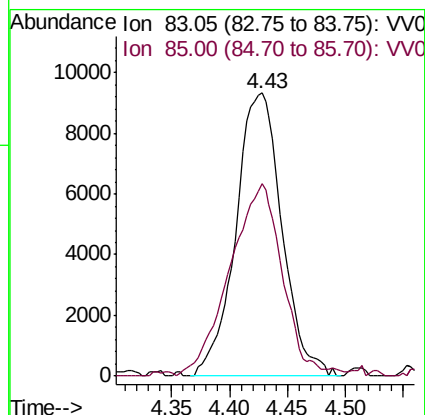
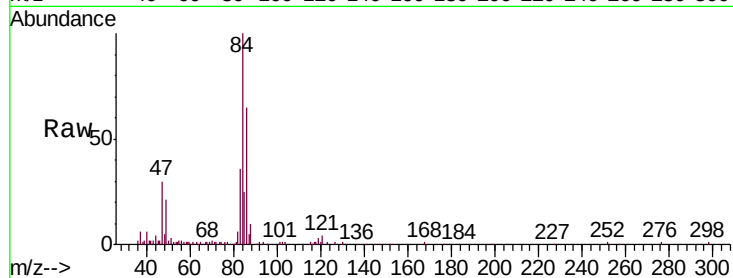




#25
Chloroform
Concen: 0.366 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013403.D
Acq: 29 Oct 2019 18:41

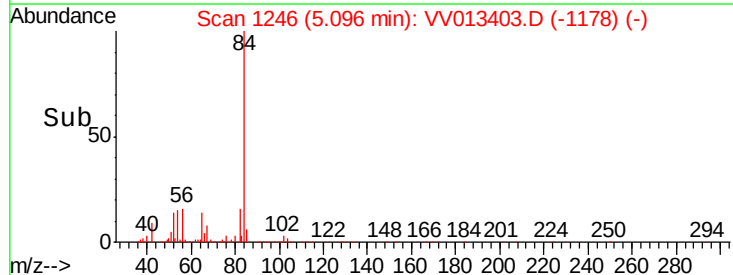
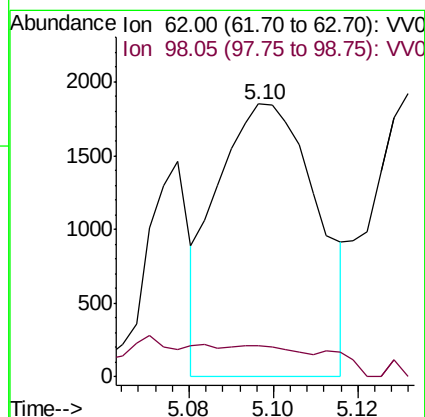
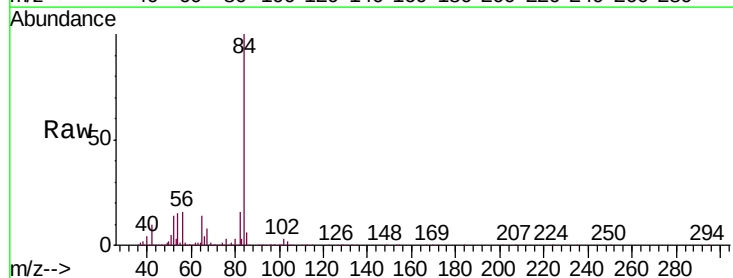
Instrument :
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ClientSampleId :
GAQD9MSD

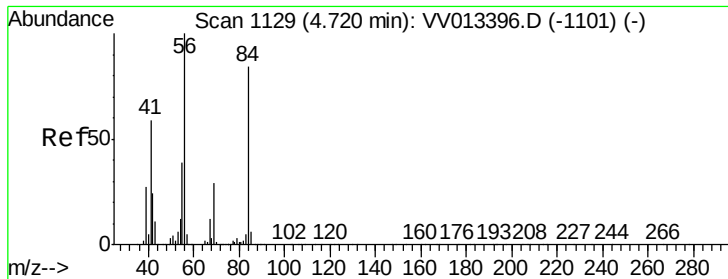
Tgt Ion: 83 Resp: 25864
Ion Ratio Lower Upper
83 100
85 67.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.078 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV013403.D
Acq: 29 Oct 2019 18:41

Tgt Ion: 62 Resp: 3039
Ion Ratio Lower Upper
62 100
98 11.5 8.6 12.8

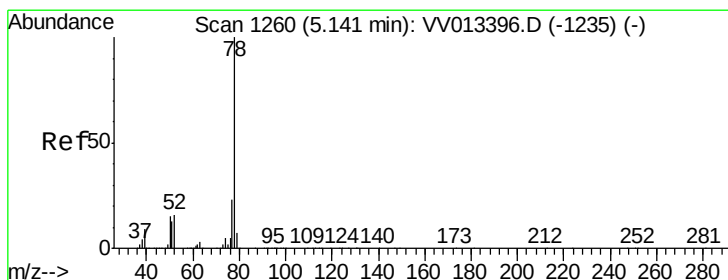
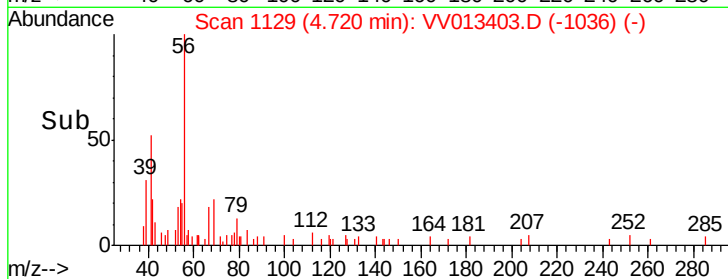
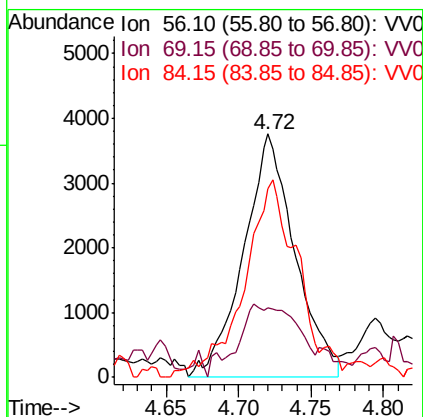
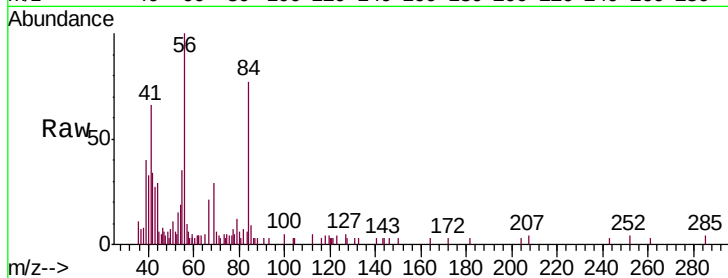




#30
Cyclohexane
Concen: 0.157 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013403.D
Acq: 29 Oct 2019 18:41

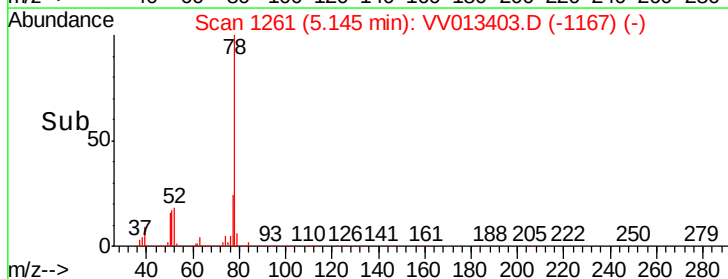
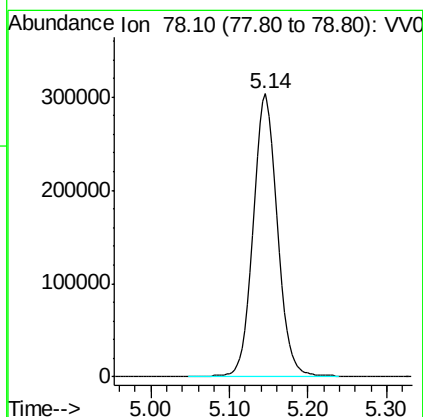
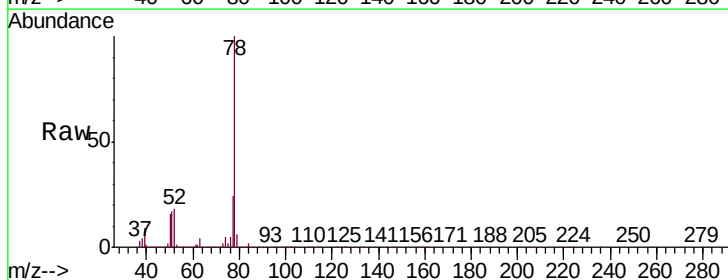
Instrument :
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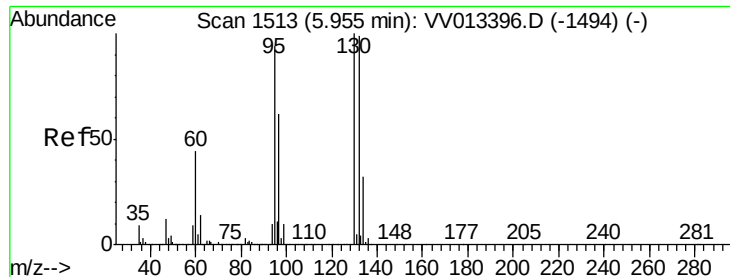
Tgt Ion: 56 Resp: 9272
Ion Ratio Lower Upper
56 100
69 26.9 22.7 34.1
84 81.0 65.5 98.3



#33
Benzene
Concen: 4.749 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013403.D
Acq: 29 Oct 2019 18:41

Tgt Ion: 78 Resp: 672483





#34

Trichloroethene

Concen: 5.185 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

GAQD9MSD

Tgt Ion: 95 Resp: 201576

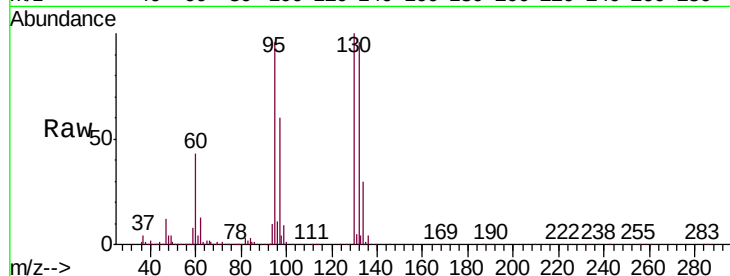
Ion Ratio Lower Upper

95 100

97 62.8 43.9 81.5

132 99.9 68.7 127.7

130 104.0 72.1 133.9



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

150000

100000

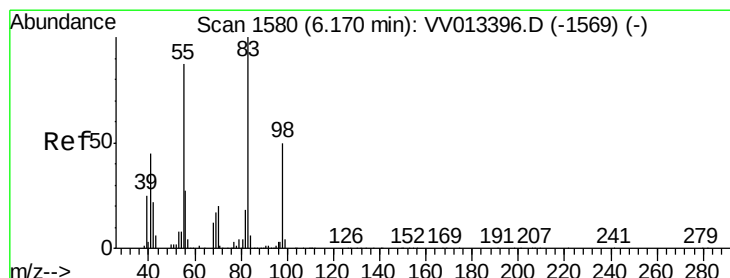
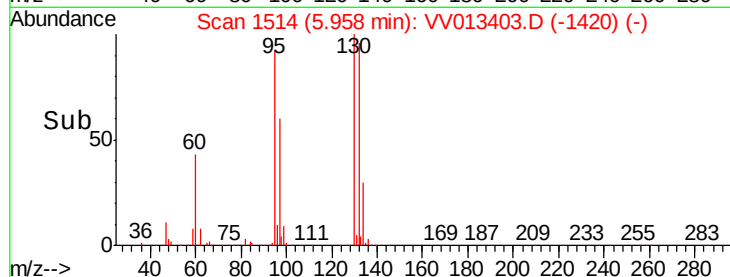
50000

0

5.90

6.00

Time-->



#35

Methylcyclohexane

Concen: 0.121 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

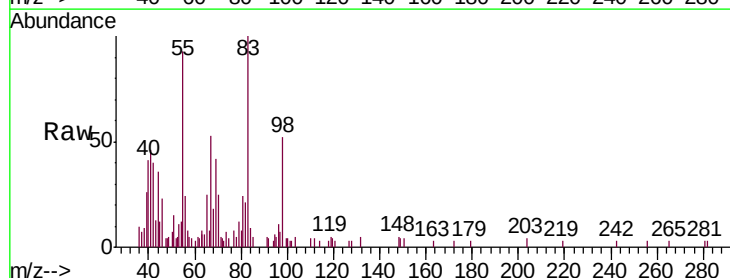
Tgt Ion: 83 Resp: 6992

Ion Ratio Lower Upper

83 100

55 113.0 66.0 99.0#

98 52.8 38.2 57.4



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

20000

15000

10000

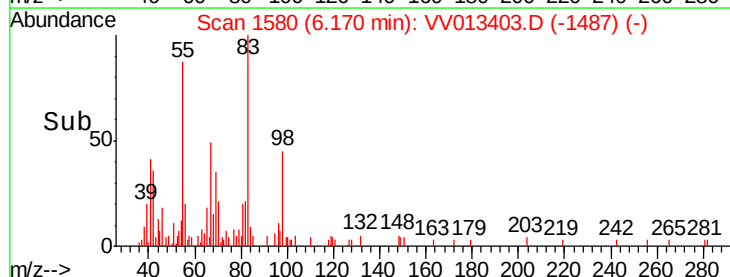
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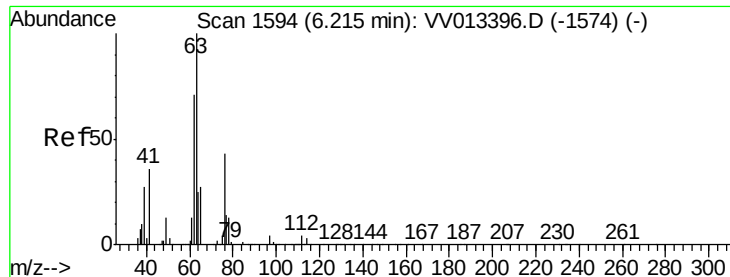
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6.15

6.20

Time-->

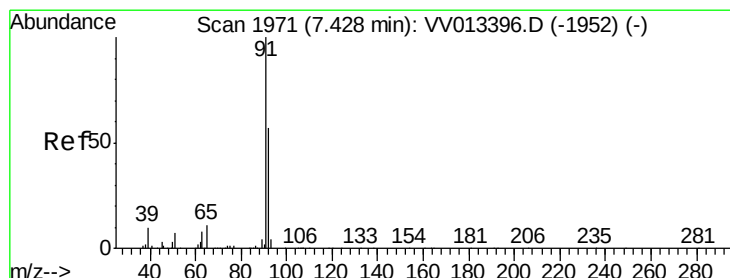
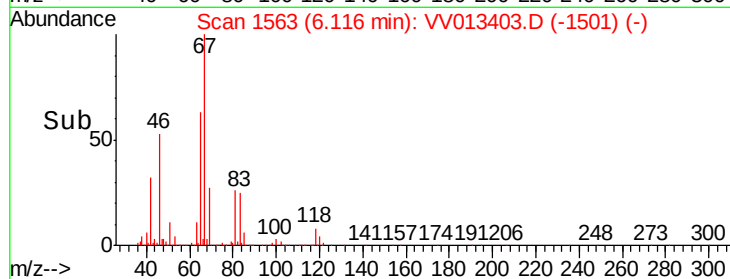
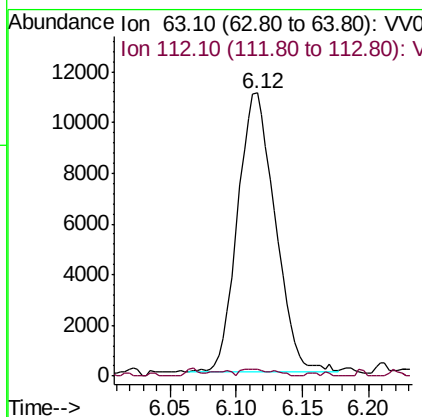
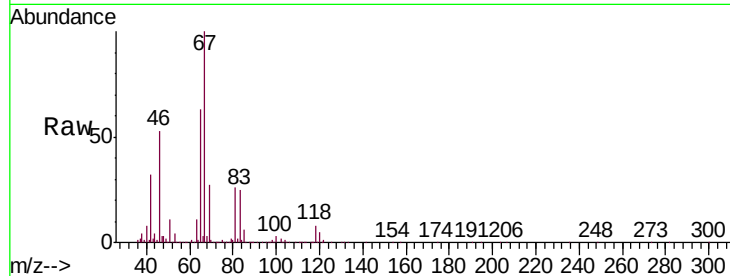




#37
 1,2-Dichloropropane
 Concen: 0.605 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013403.D
 Acq: 29 Oct 2019 18:41

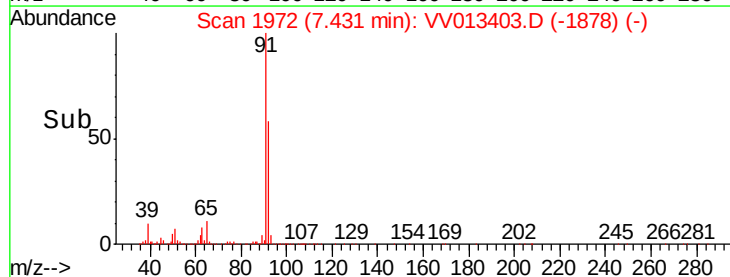
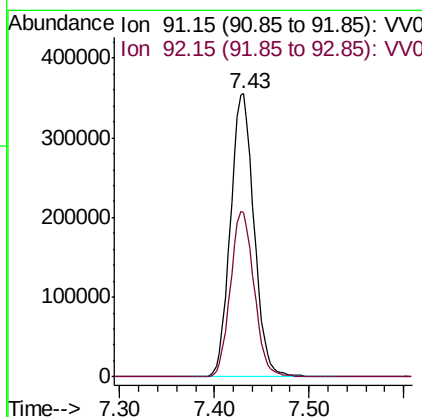
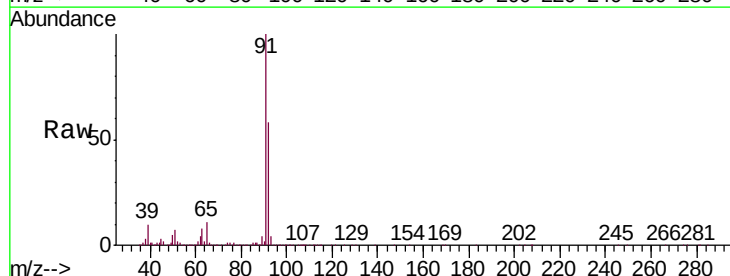
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD9MSD

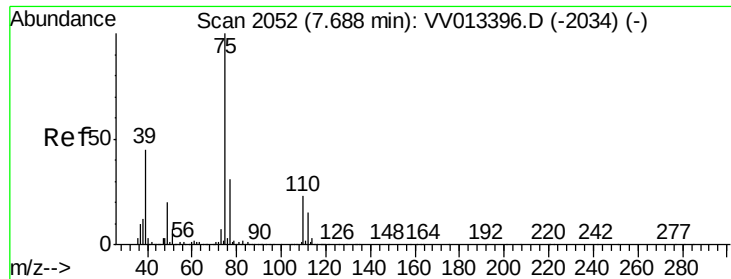
Tgt Ion: 63 Resp: 21668
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.6 5.4#



#42
 Toluene
 Concen: 4.178 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013403.D
 Acq: 29 Oct 2019 18:41

Tgt Ion: 91 Resp: 616852
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.3 74.8





#44

trans-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

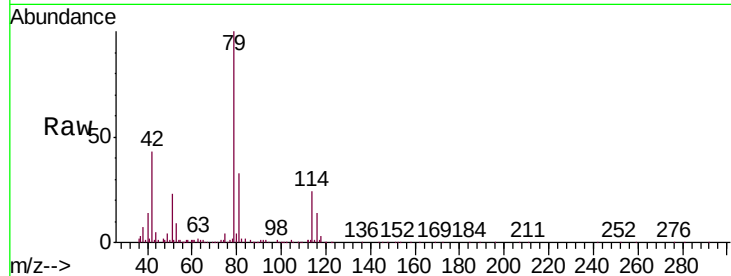
GAQD9MSD

Tgt Ion: 75 Resp: 3858

Ion Ratio Lower Upper

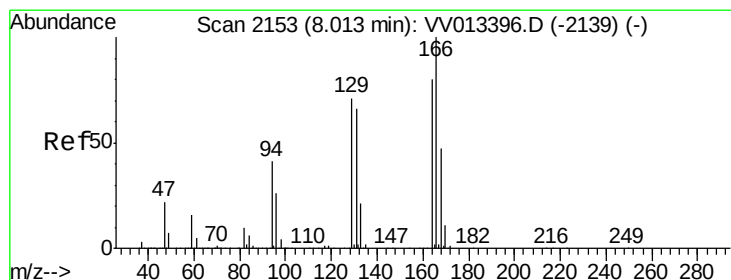
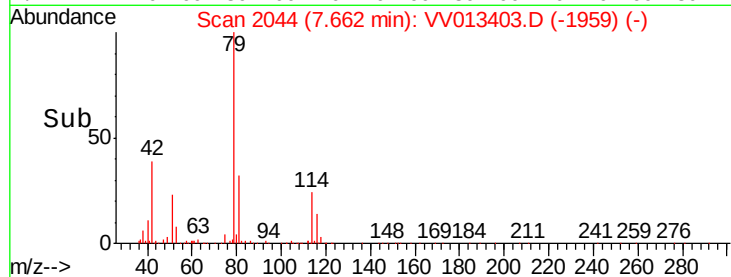
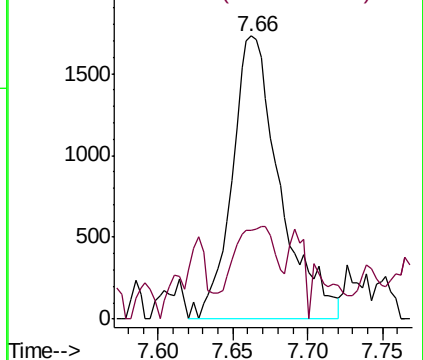
75 100

77 31.6 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 5.114 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Tgt Ion: 164 Resp: 168424

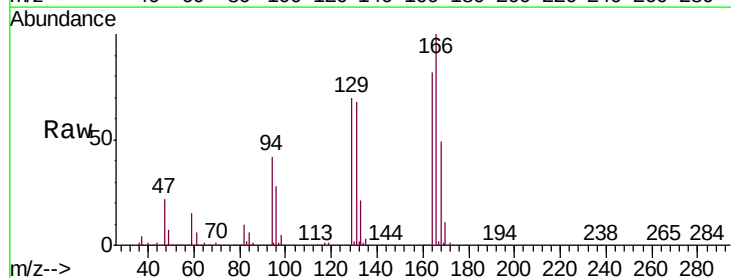
Ion Ratio Lower Upper

164 100

129 85.8 63.4 117.8

131 82.9 60.3 112.1

166 122.6 90.8 168.6

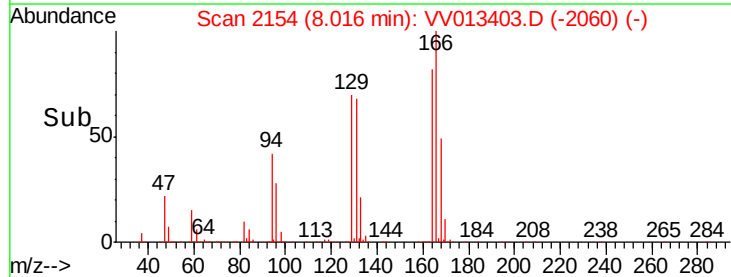
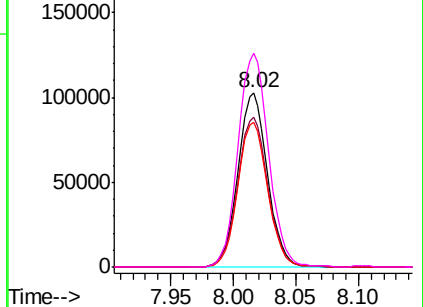


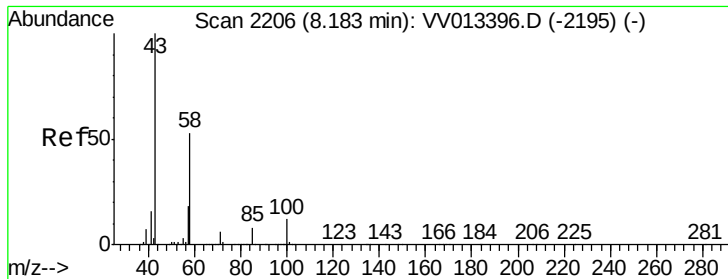
Abundance Ion 163.90 (163.60 to 164.60): V

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

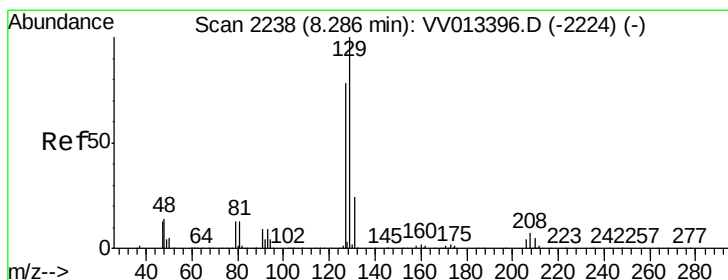
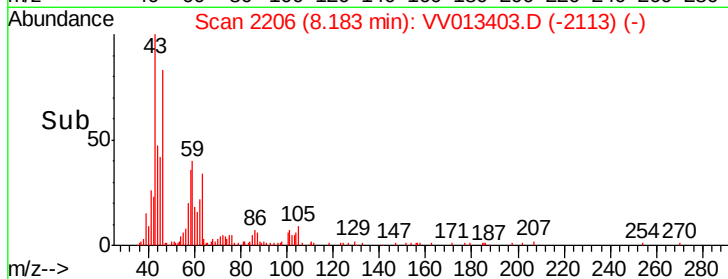
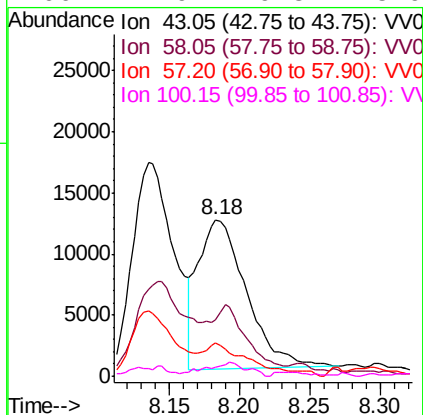
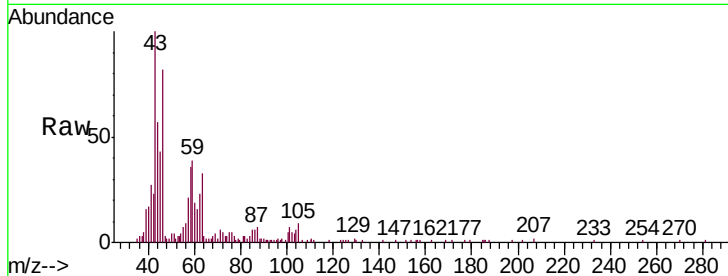




#48
2-Hexanone
Concen: 2.027 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013403.D
Acq: 29 Oct 2019 18:41

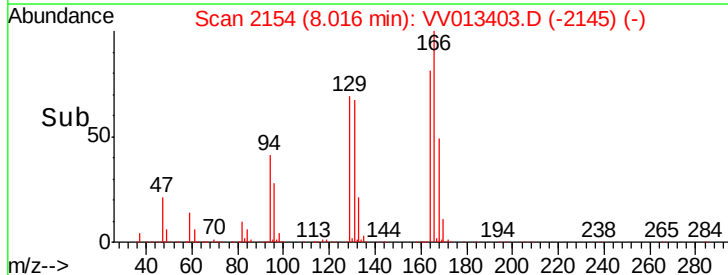
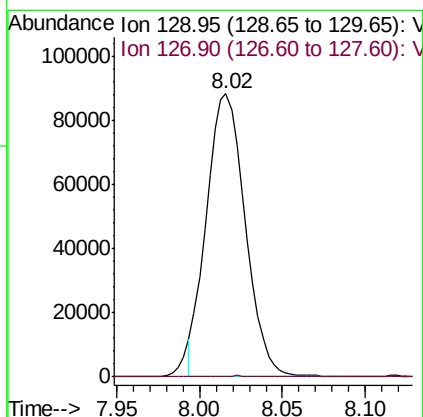
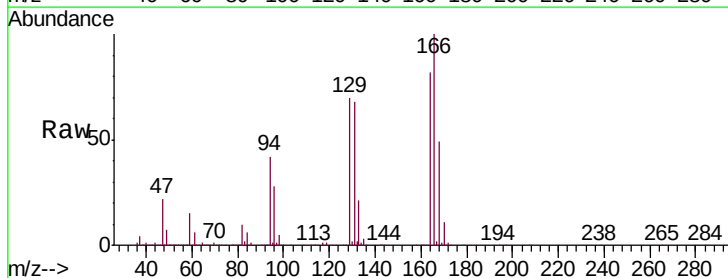
Instrument :
MSVOA_V
ClientSampleId :
GAQD9MSD

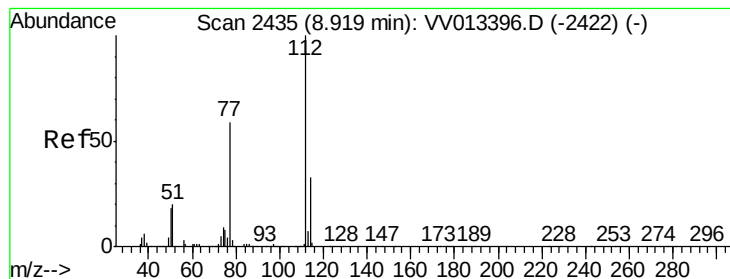
Tgt Ion:	43	Resp:	28882
Ion	Ratio	Lower	Upper
43	100		
58	28.7	43.5	65.3#
57	18.6	14.3	21.5
100	7.9	9.3	13.9#



#49
Dibromochloromethane
Concen: 4.826 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013403.D
Acq: 29 Oct 2019 18:41

Tgt Ion:	129	Resp:	142290
Ion	Ratio	Lower	Upper
129	100		
127	0.2	53.8	100.0#





#51

Chlorobenzene

Concen: 4.417 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

GAQD9MSD

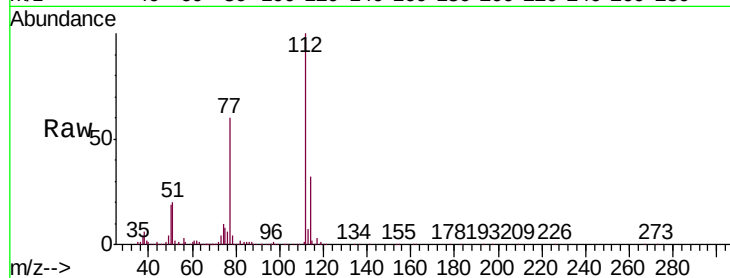
Tgt Ion: 112 Resp: 420962

Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

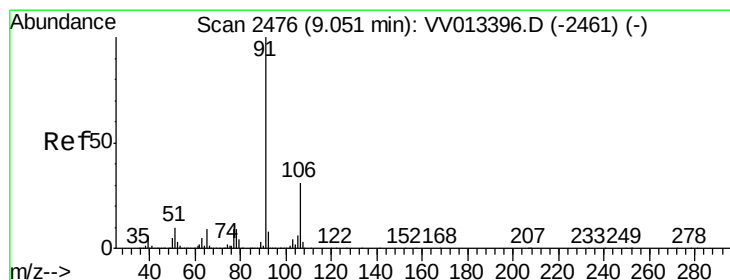
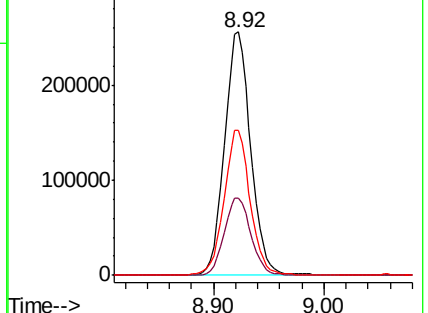
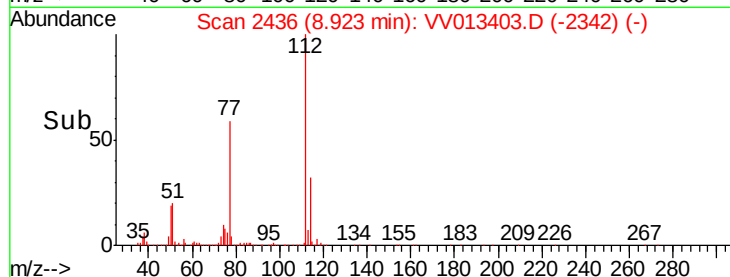
77 59.5 46.7 70.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#52

Ethylbenzene

Concen: 0.083 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013403.D

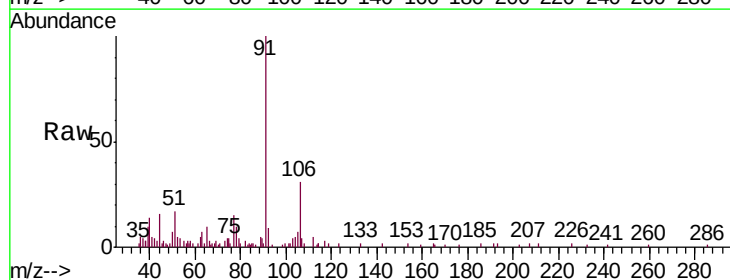
Acq: 29 Oct 2019 18:41

Tgt Ion: 91 Resp: 12981

Ion Ratio Lower Upper

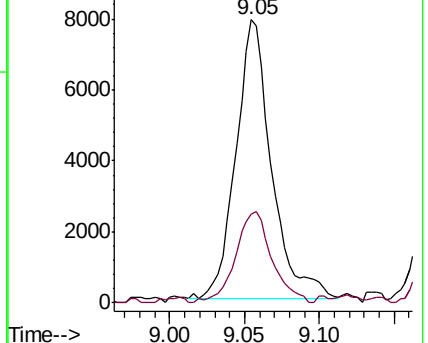
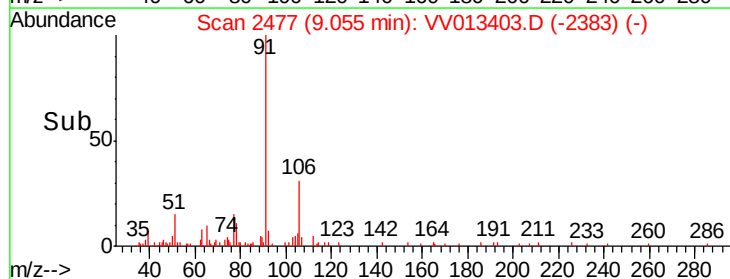
91 100

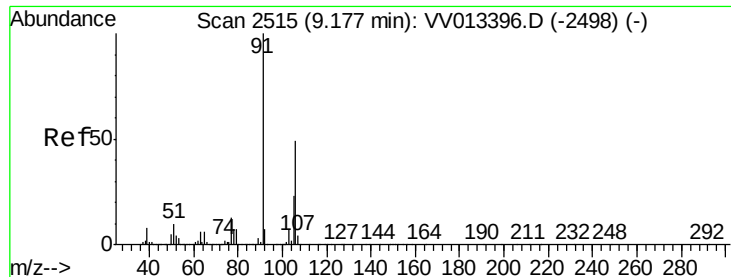
106 31.4 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.106 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.01 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

Instrument :

MSVOA_V

ClientSampleId :

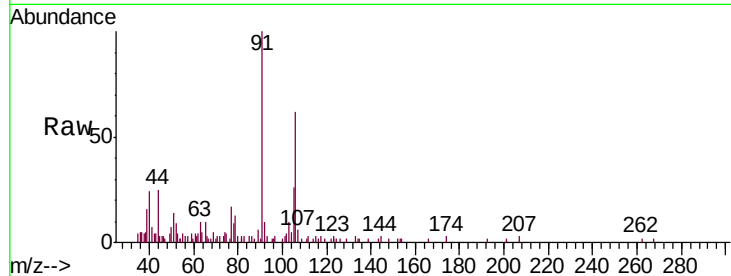
GAQD9MSD

Tgt Ion:106 Resp: 6106

Ion Ratio Lower Upper

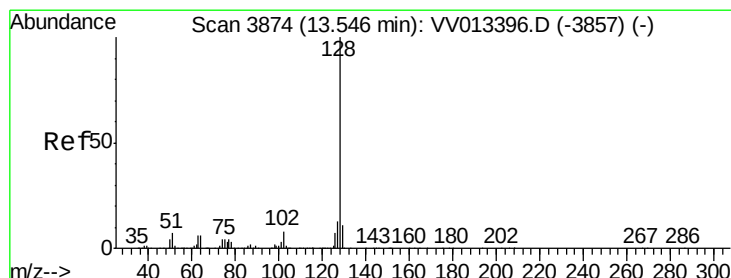
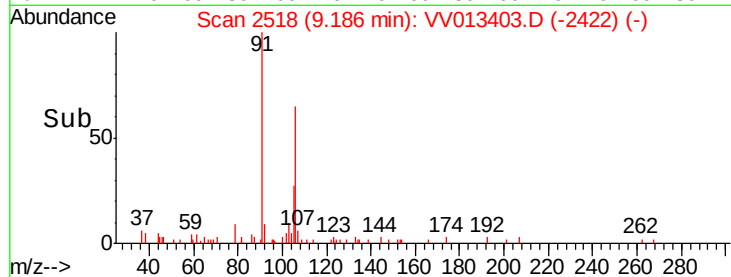
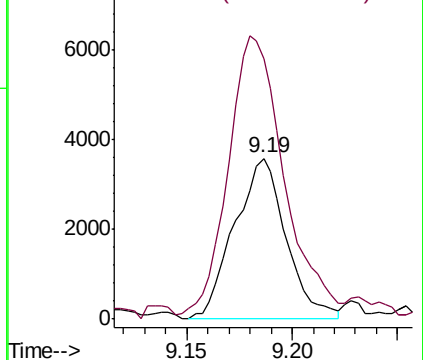
106 100

91 161.8 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.092 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013403.D

Acq: 29 Oct 2019 18:41

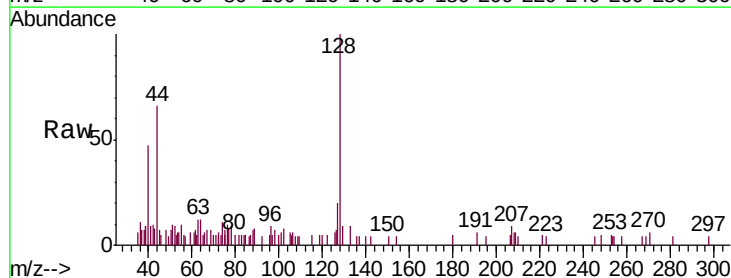
Tgt Ion:128 Resp: 4983

Ion Ratio Lower Upper

128 100

129 5.3 8.7 13.1#

127 5.2 10.6 16.0#



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

