

Data File : VV013420.D
Acq On : 30 Oct 2019 01:53
Operator : SY/MD
Sample : K5597-21
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQF0

Quant Time: Oct 30 05:46:34 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	357422	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383635	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	206192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	147708	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	121089	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	188674	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.94	46	379021	49.01	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.02%
24) Chloroform-d	4.40	84	298243	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.08	65	160694	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	626445	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	196029	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	525883	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.66	79	63431	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.13	63	260814	52.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126794	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	207453	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
13) Acetone	2.21	43	6608	1.749 ug/L	97
14) Carbon disulfide	2.32	76	11839	0.143 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4862	0.134 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	83267	2.268 ug/L #	93
25) Chloroform	4.42	83	17890	0.253 ug/L	100
30) Cyclohexane	4.72	56	6719	0.113 ug/L #	82
33) Benzene	5.15	78	28595	0.199 ug/L	100
34) Trichloroethene	5.96	95	119916	3.047 ug/L	93
35) Methylcyclohexane	6.17	83	4424	0.075 ug/L #	69
37) 1,2-Dichloropropane	6.12	63	21359	0.589 ug/L #	87
42) Toluene	7.43	91	11706	0.078 ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	3108	0.080 ug/L	100
45) 1,1,2-Trichloroethane	8.02	97	51780	2.146 ug/L #	1
47) Tetrachloroethene	8.02	164	6924593	207.672 ug/L	98
48) 2-Hexanone	8.19	43	18916	1.311 ug/L #	76
49) Dibromochloromethane	8.02	129	5974265	200.153 ug/L #	11
53) m,p-xylene	9.18	106	5907	0.101 ug/L	97

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

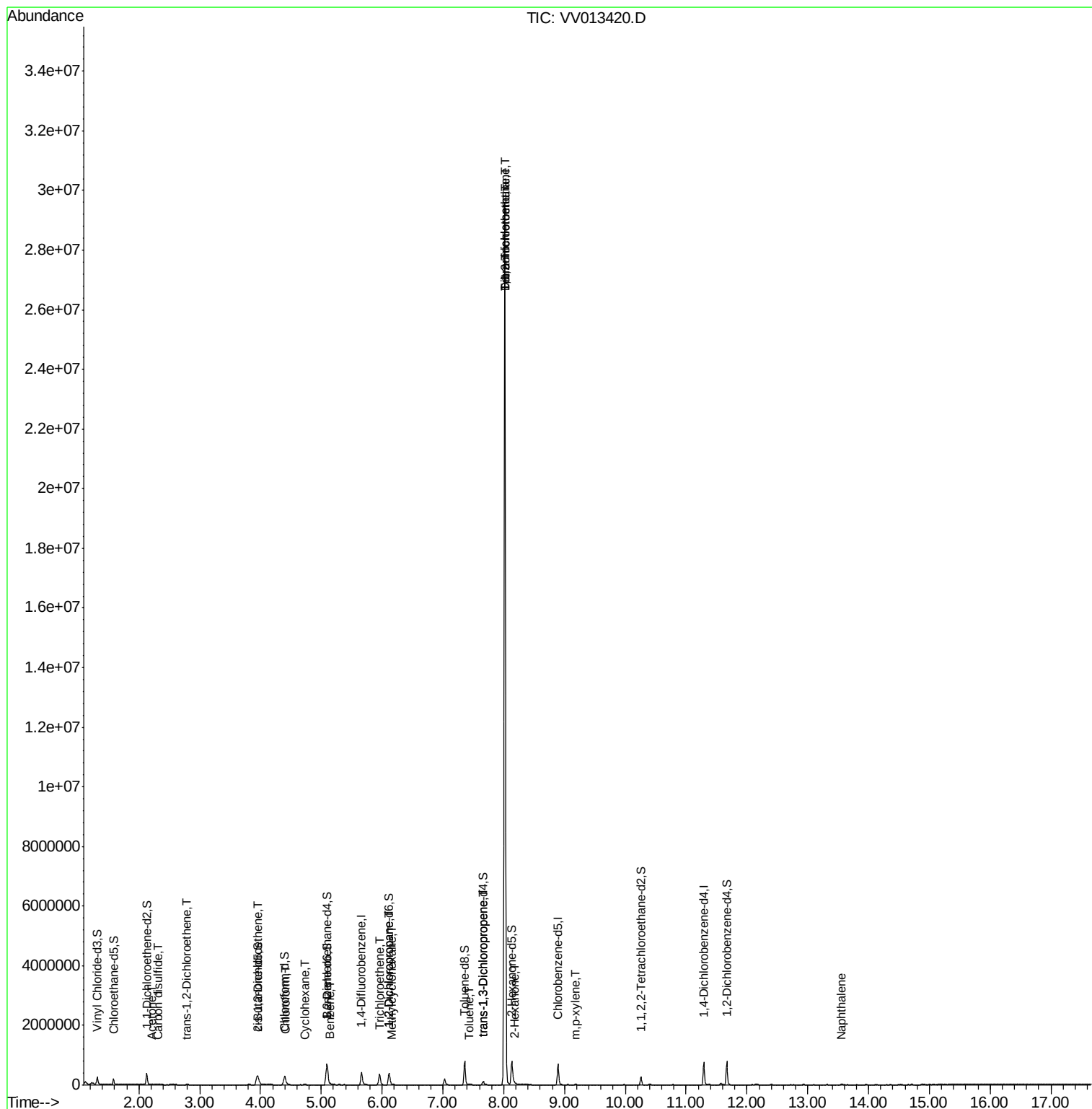
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	15926	0.270	ug/L	98

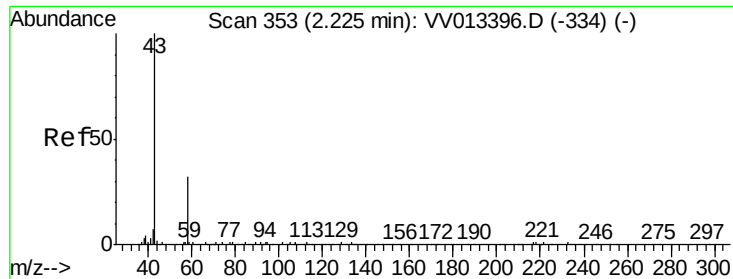
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.749 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

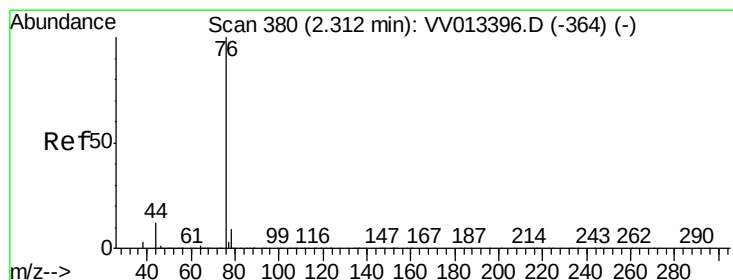
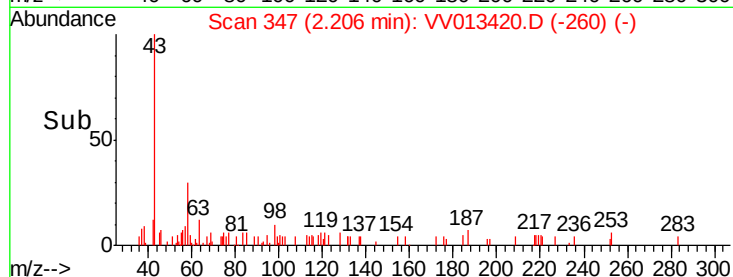
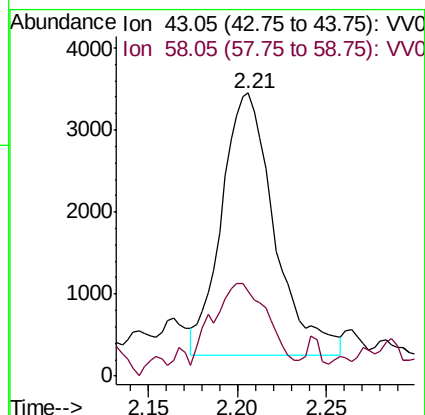
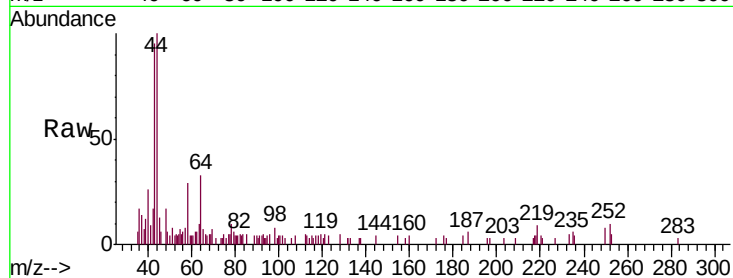
GAQF0

Tgt Ion: 43 Resp: 6608

Ion Ratio Lower Upper

43 100

58 31.2 0.0 59.0



#14

Carbon disulfide

Concen: 0.143 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013420.D

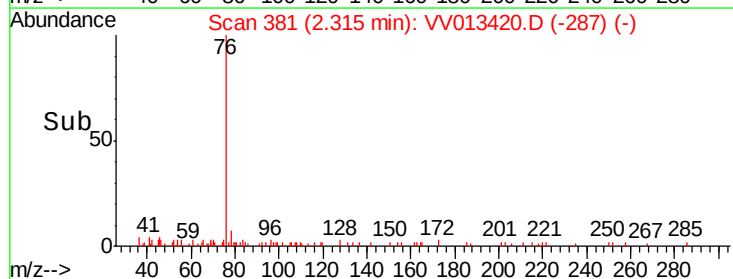
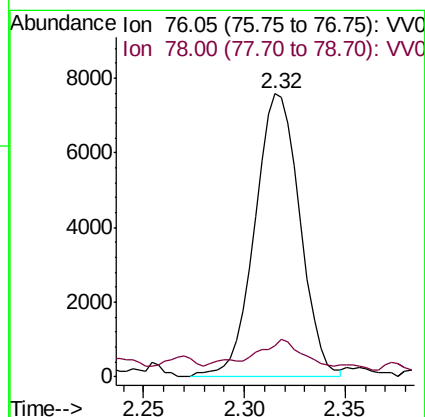
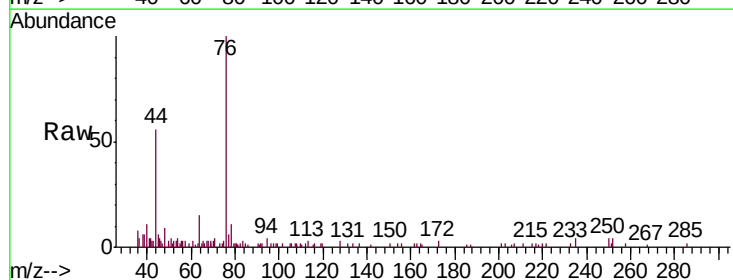
Acq: 30 Oct 2019 01:53

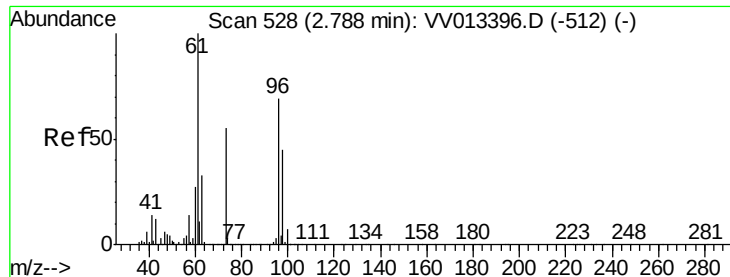
Tgt Ion: 76 Resp: 11839

Ion Ratio Lower Upper

76 100

78 11.2 7.5 11.3

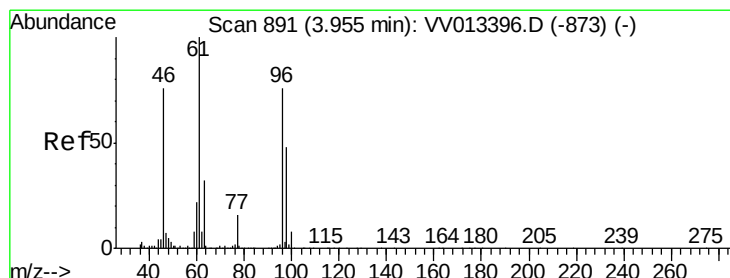
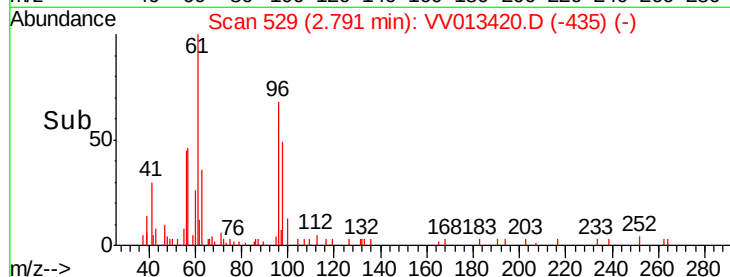
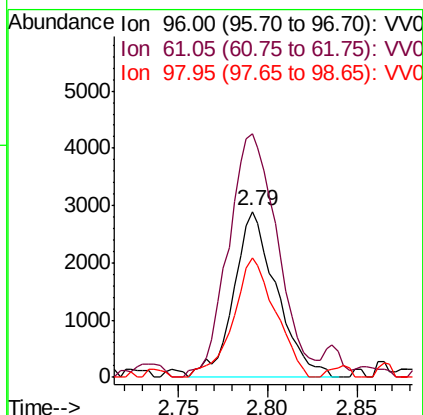
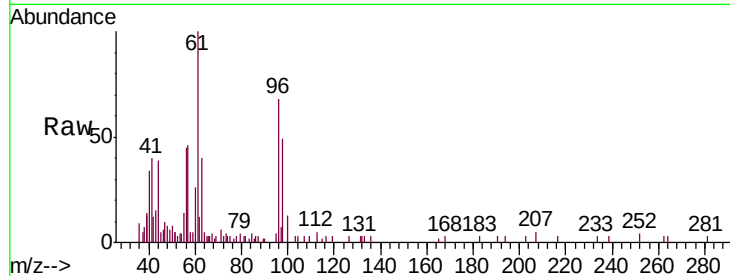




#18
trans-1,2-Dichloroethene
Concen: 0.134 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

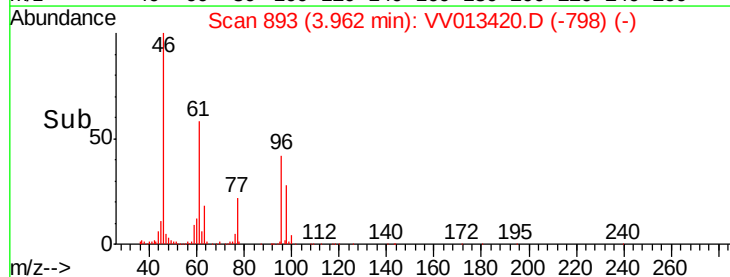
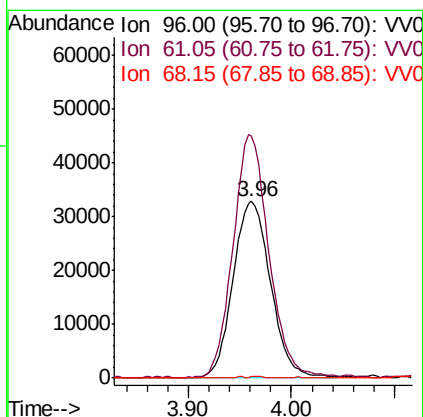
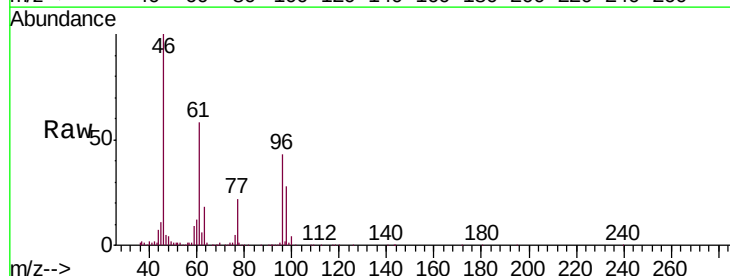
Instrument :
MSVOA_V
ClientSampled :
GAQF0

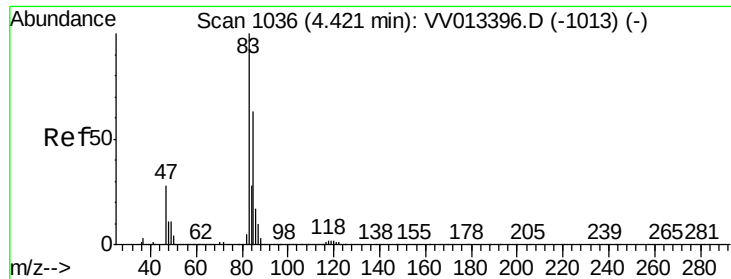
Tgt Ion: 96 Resp: 4862
Ion Ratio Lower Upper
96 100
61 146.7 100.1 185.9
98 71.9 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 2.268 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

Tgt Ion: 96 Resp: 83267
Ion Ratio Lower Upper
96 100
61 137.0 89.9 167.0
68 0.9 0.1 0.3#

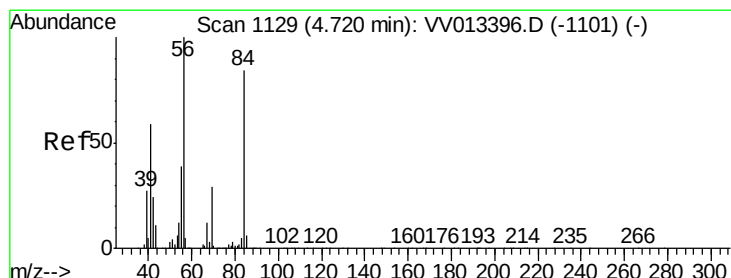
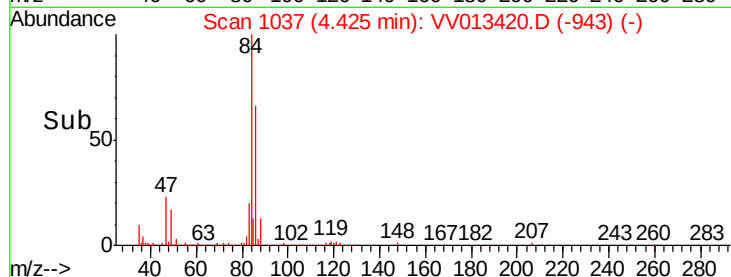
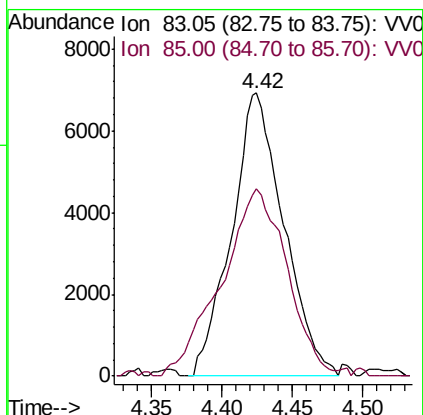
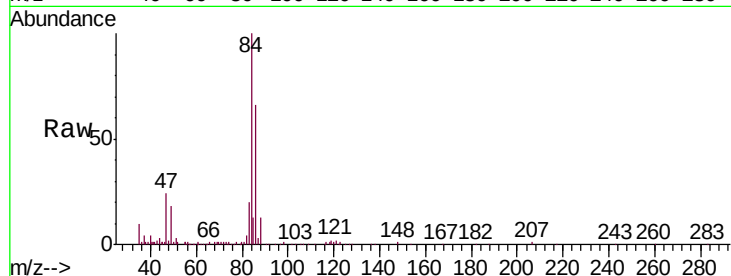




#25
Chloroform
Concen: 0.253 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

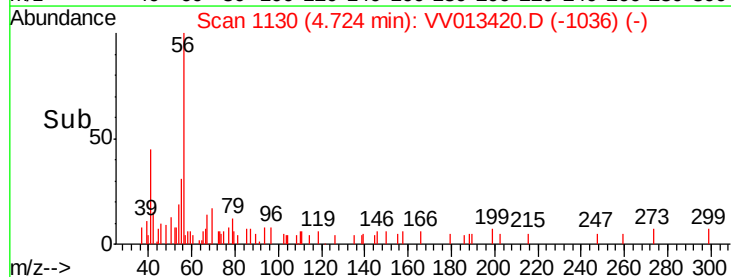
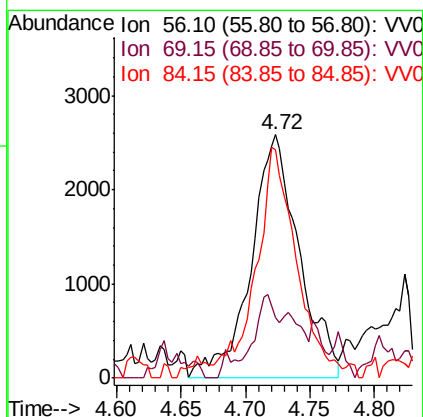
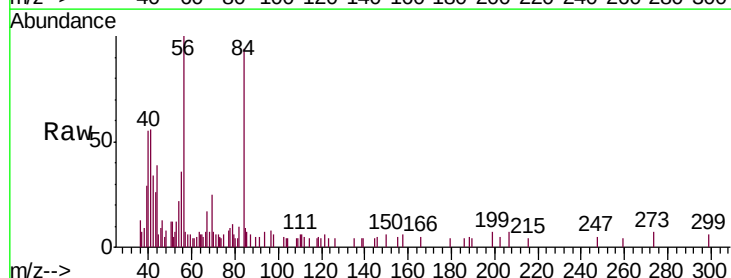
Instrument :
MSVOA_V
ClientSampleId :
GAQF0

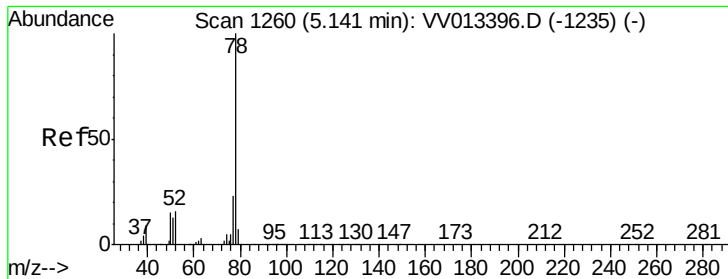
Tgt Ion: 83 Resp: 17890
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#30
Cyclohexane
Concen: 0.113 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

Tgt Ion: 56 Resp: 6719
Ion Ratio Lower Upper
56 100
69 10.8 22.7 34.1#
84 71.0 65.5 98.3





#33

Benzene

Concen: 0.199 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

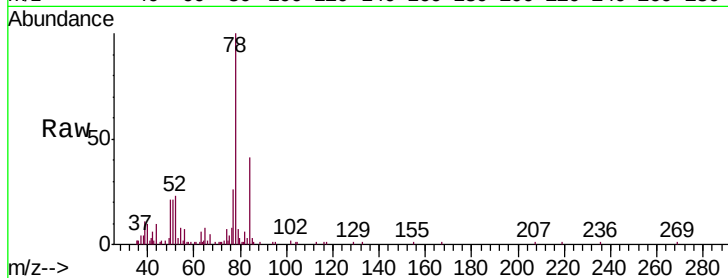
Instrument :

MSVOA_V

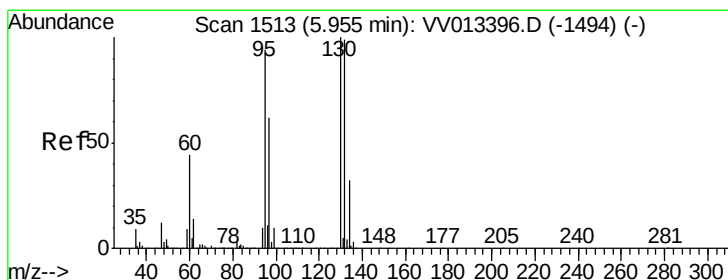
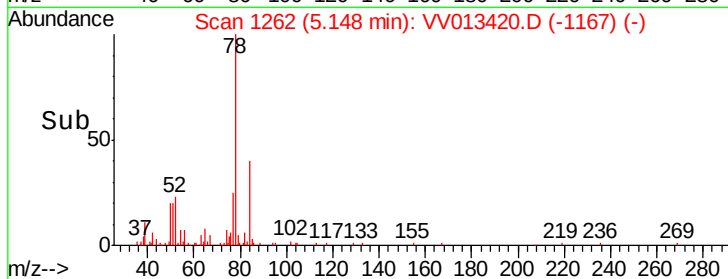
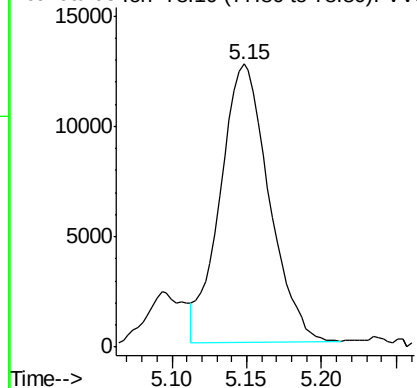
ClientSampleId :

GAQF0

Tgt Ion: 78 Resp: 28595



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 3.047 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Tgt Ion: 95 Resp: 119916

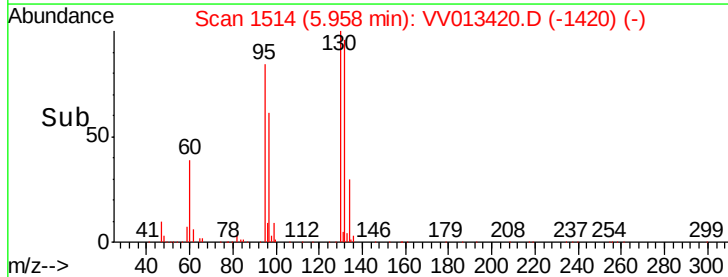
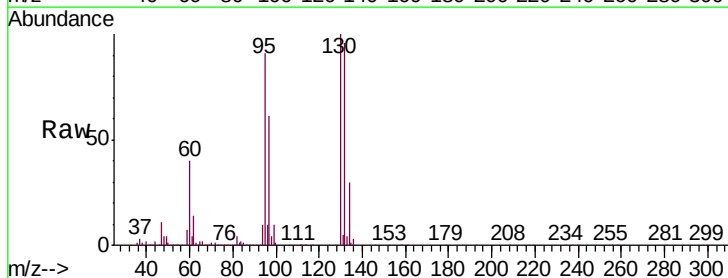
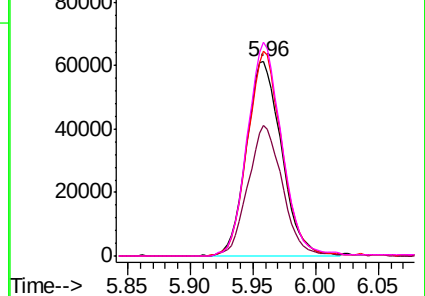
Ion	Ratio	Lower	Upper
95	100		
97	67.2	43.9	81.5
132	105.4	68.7	127.7
130	109.9	72.1	133.9

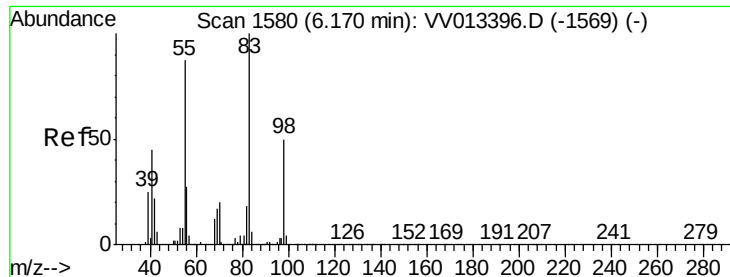
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#35

Methylcyclohexane

Concen: 0.075 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

GAQF0

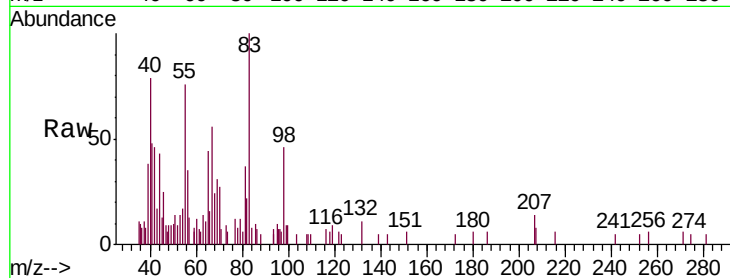
Tgt Ion: 83 Resp: 4424

Ion Ratio Lower Upper

83 100

55 115.4 66.0 99.0#

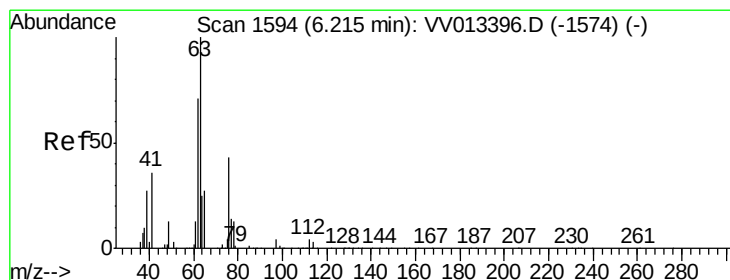
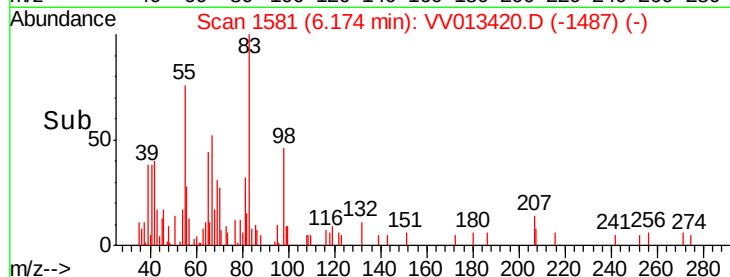
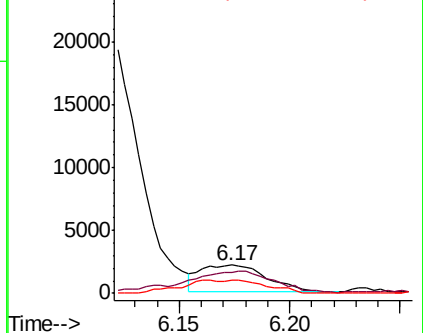
98 34.4 38.2 57.4#



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



#37

1,2-Dichloropropane

Concen: 0.589 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013420.D

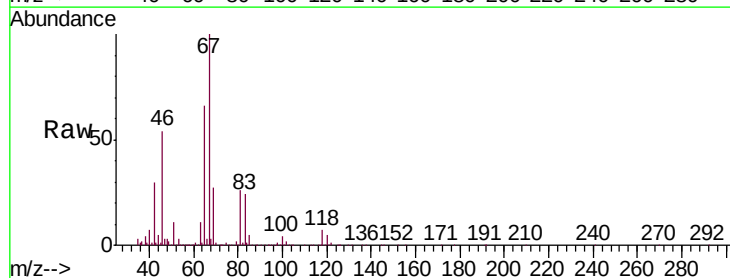
Acq: 30 Oct 2019 01:53

Tgt Ion: 63 Resp: 21359

Ion Ratio Lower Upper

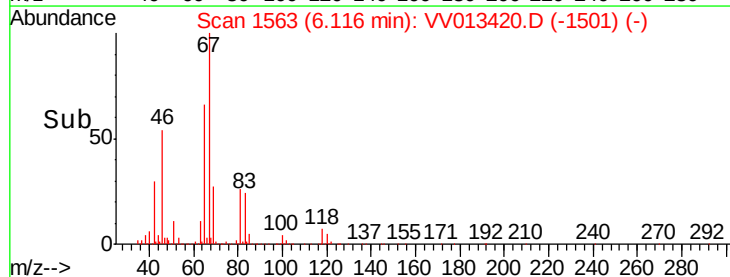
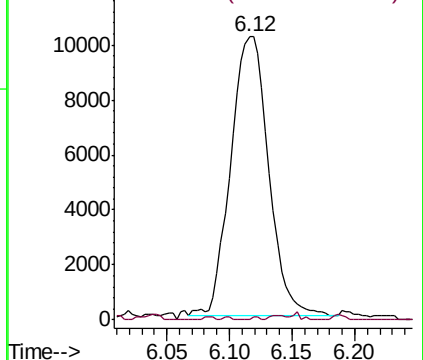
63 100

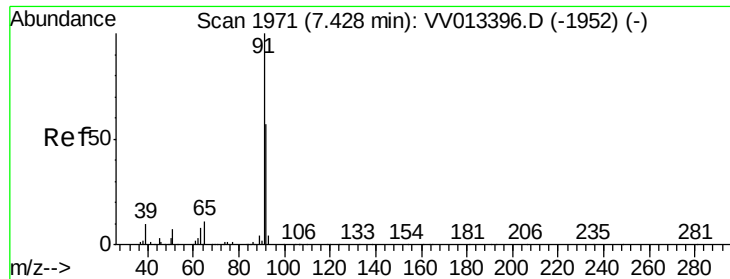
112 0.2 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.078 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

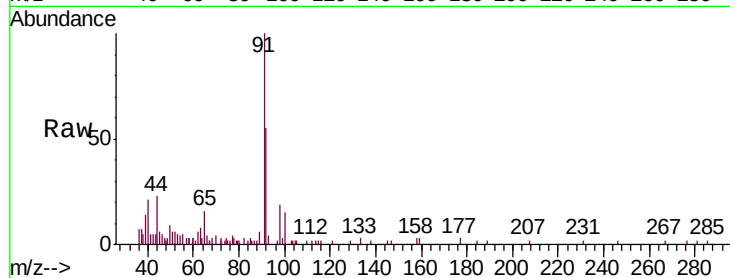
GAQF0

Tgt Ion: 91 Resp: 11706

Ion Ratio Lower Upper

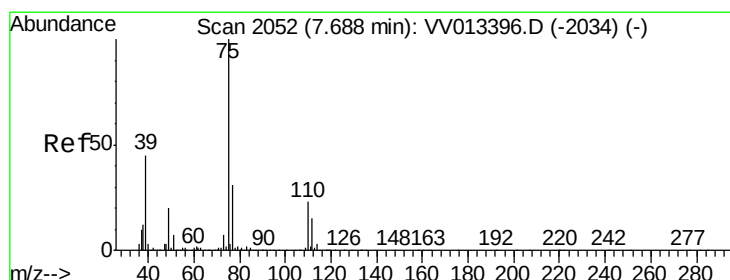
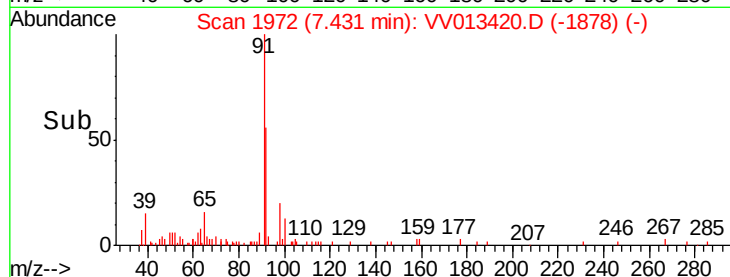
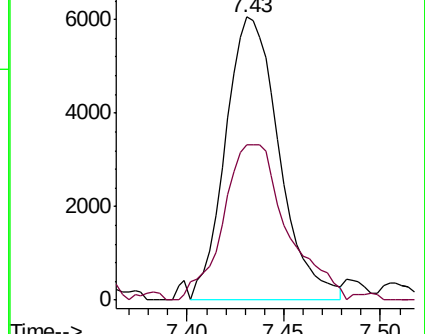
91 100

92 55.1 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV013420.D

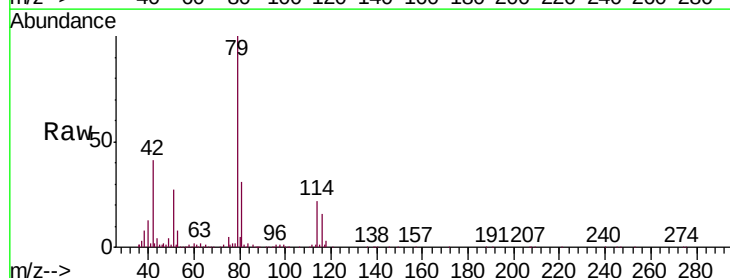
Acq: 30 Oct 2019 01:53

Tgt Ion: 75 Resp: 3108

Ion Ratio Lower Upper

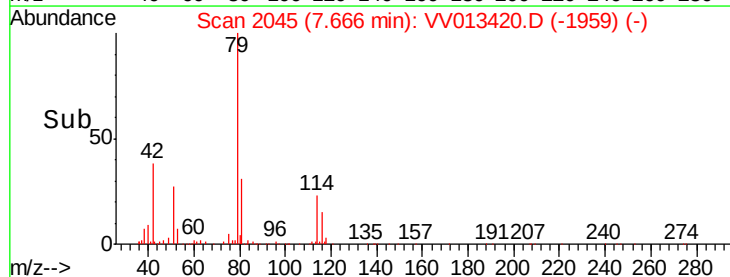
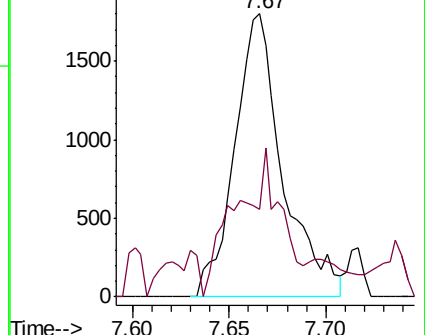
75 100

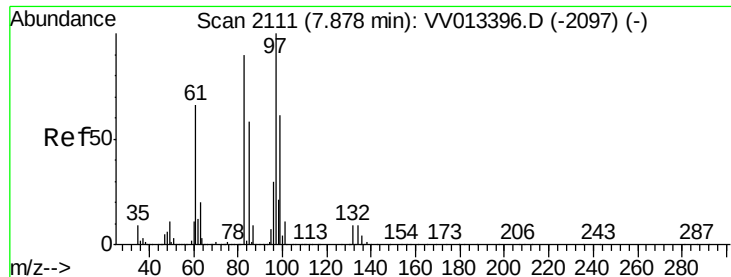
77 30.7 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

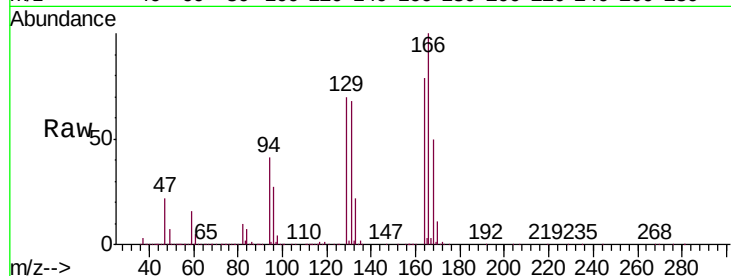




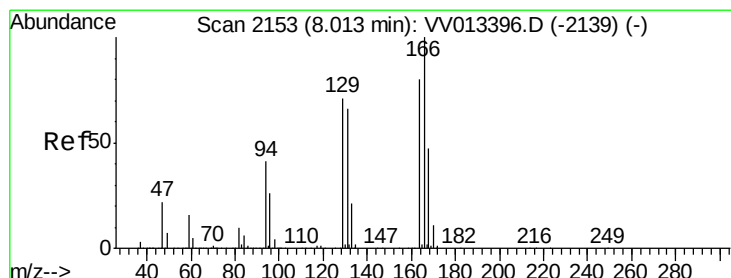
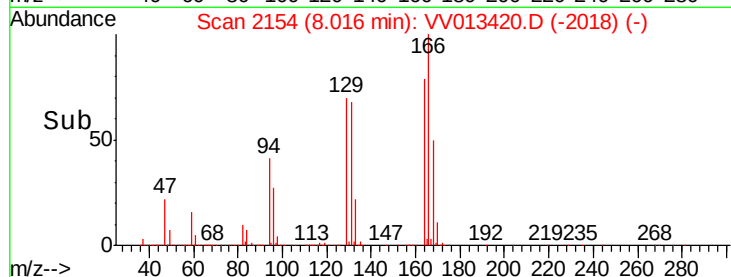
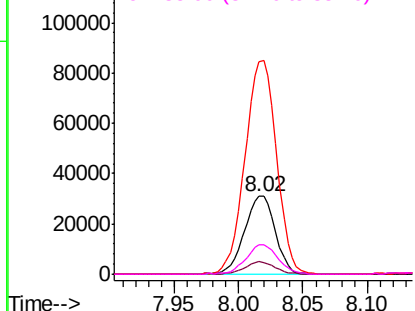
#45
 1,1,2-Trichloroethane
 Concen: 2.146 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.14 min
 Lab File: VV013420.D
 Acq: 30 Oct 2019 01:53

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF0

Tgt Ion: 97 Resp: 51780
 Ion Ratio Lower Upper
 97 100
 99 16.1 41.6 77.3#
 83 273.1 58.7 109.1#
 85 38.2 37.5 69.7

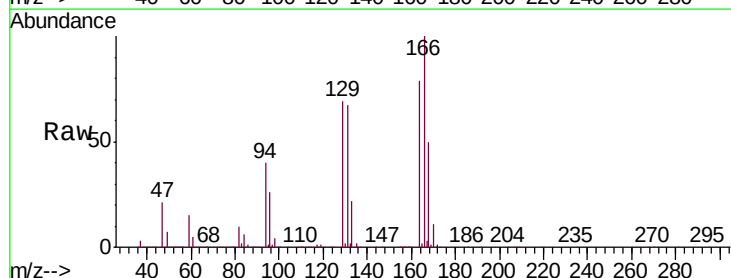


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

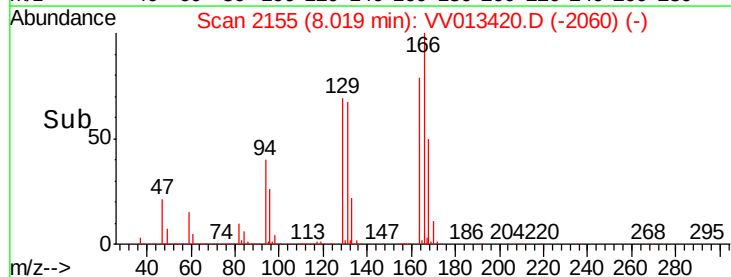
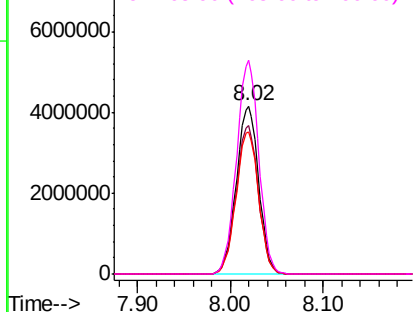


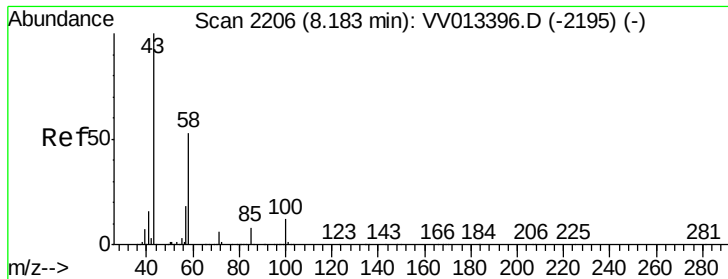
#47
 Tetrachloroethene
 Concen: 207.672 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VV013420.D
 Acq: 30 Oct 2019 01:53

Tgt Ion: 164 Resp: 6924593
 Ion Ratio Lower Upper
 164 100
 129 88.3 63.4 117.8
 131 84.9 60.3 112.1
 166 127.3 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

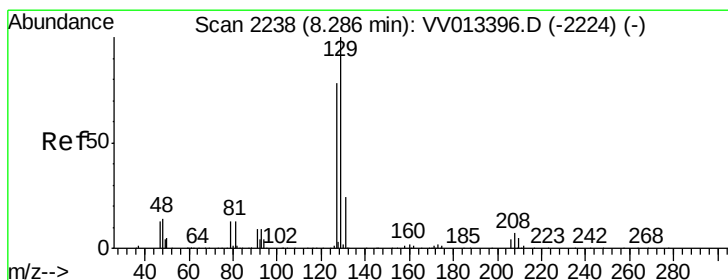
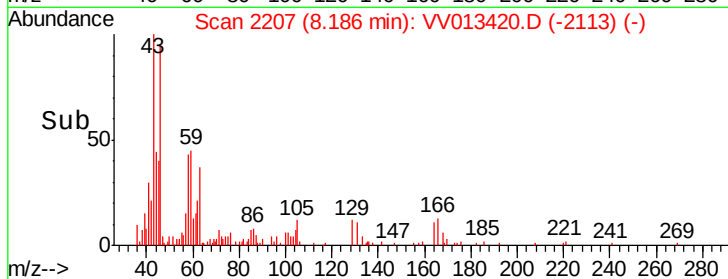
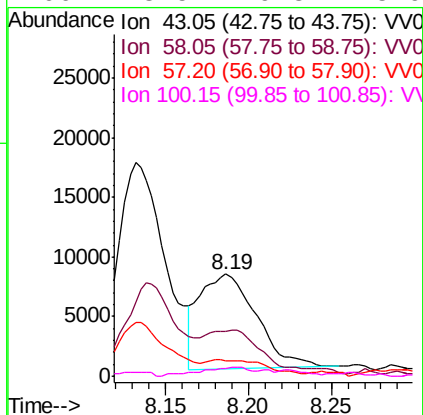




#48
2-Hexanone
Concen: 1.311 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

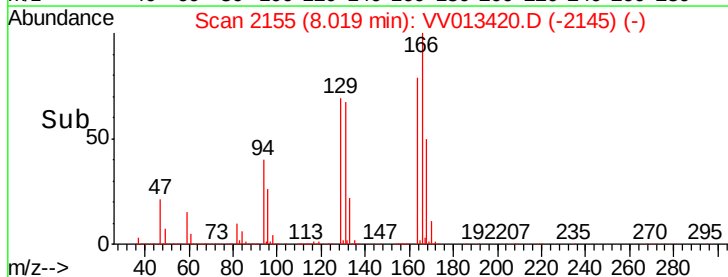
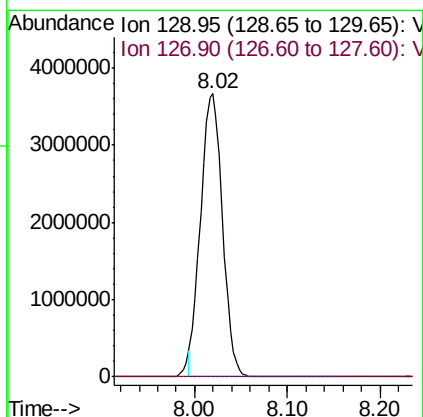
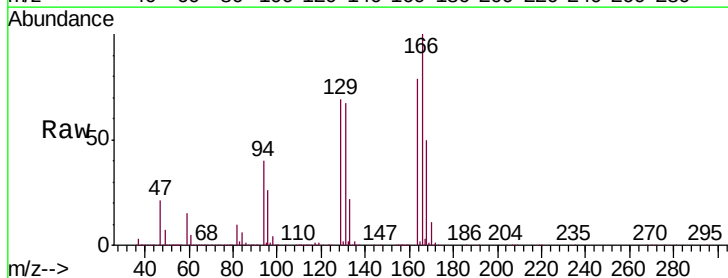
Instrument :
MSVOA_V
ClientSampleId :
GAQF0

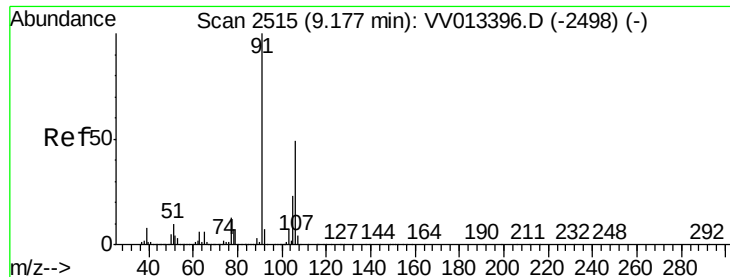
Tgt Ion:	43	Resp:	18916
Ion	Ratio	Lower	Upper
43	100		
58	38.1	43.5	65.3#
57	0.0	14.3	21.5#
100	8.5	9.3	13.9#



#49
Dibromochloromethane
Concen: 200.153 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

Tgt Ion:	129	Resp:	5974265
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	100.0#





#53

m,p-xylene

Concen: 0.101 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

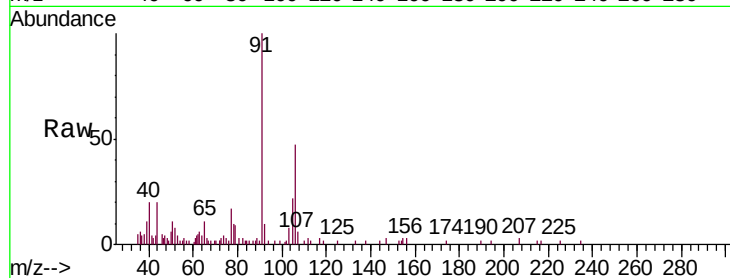
GAQF0

Tgt Ion:106 Resp: 5907

Ion Ratio Lower Upper

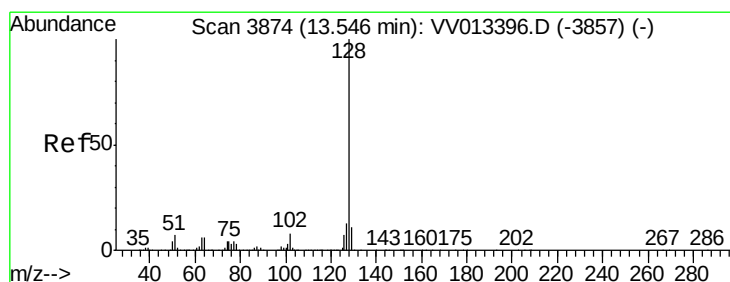
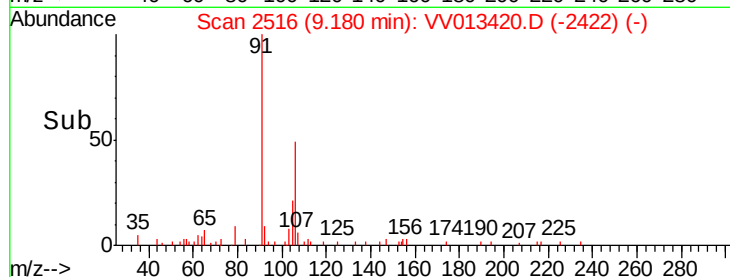
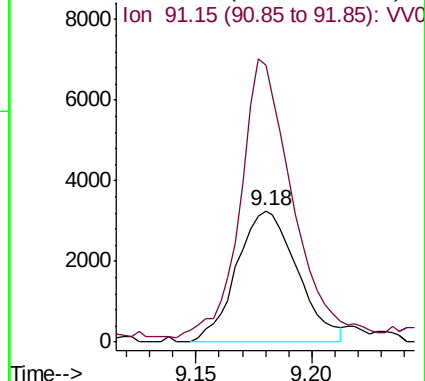
106 100

91 210.7 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.270 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

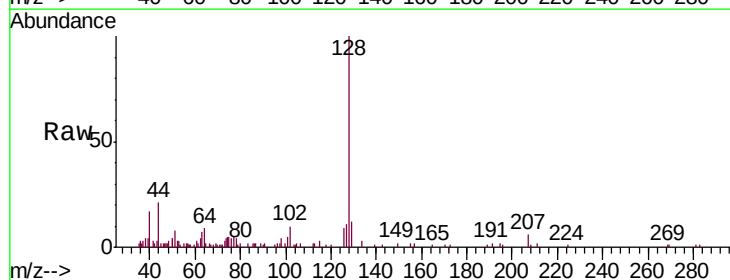
Tgt Ion:128 Resp: 15926

Ion Ratio Lower Upper

128 100

129 12.5 8.7 13.1

127 13.3 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

