

Data File : VV013432.D
Acq On : 30 Oct 2019 14:38
Operator : SY/MD
Sample : K5597-06
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQD7

Quant Time: Oct 31 02:46:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	351831	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	365166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	212599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131645	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.58	69	114542	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.13	63	171428	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.96	46	404158	53.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.18%
24) Chloroform-d	4.40	84	290309	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	157164	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	597336	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	196821	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	490133	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.66	79	64269	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.13	63	247186	52.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	132851	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	208647	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
13) Acetone	2.21	43	4159	1.118 ug/L	100
14) Carbon disulfide	2.32	76	19236	0.236 ug/L #	94
22) cis-1,2-Dichloroethene	3.96	96	12773	0.353 ug/L #	98
25) Chloroform	4.42	83	16401	0.235 ug/L	93
27) 1,2-Dichloroethane	5.15	62	1693	0.044 ug/L #	72
30) Cyclohexane	4.72	56	34944	0.615 ug/L	97
33) Benzene	5.14	78	325329	2.384 ug/L	100
34) Trichloroethene	5.96	95	30897	0.825 ug/L	95
35) Methylcyclohexane	6.17	83	37962	0.679 ug/L	90
37) 1,2-Dichloropropane	6.12	63	19490	0.565 ug/L #	91
42) Toluene	7.43	91	30888	0.217 ug/L	95
44) trans-1,3-Dichloropropene	7.66	75	2638	0.072 ug/L #	53
47) Tetrachloroethene	8.02	164	363874	11.465 ug/L	98
48) 2-Hexanone	8.18	43	14857	1.082 ug/L #	49
49) Dibromochloromethane	8.02	129	310205	10.918 ug/L #	11
52) Ethylbenzene	9.05	91	27757	0.184 ug/L	95
53) m,p-xylene	9.18	106	17952	0.322 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

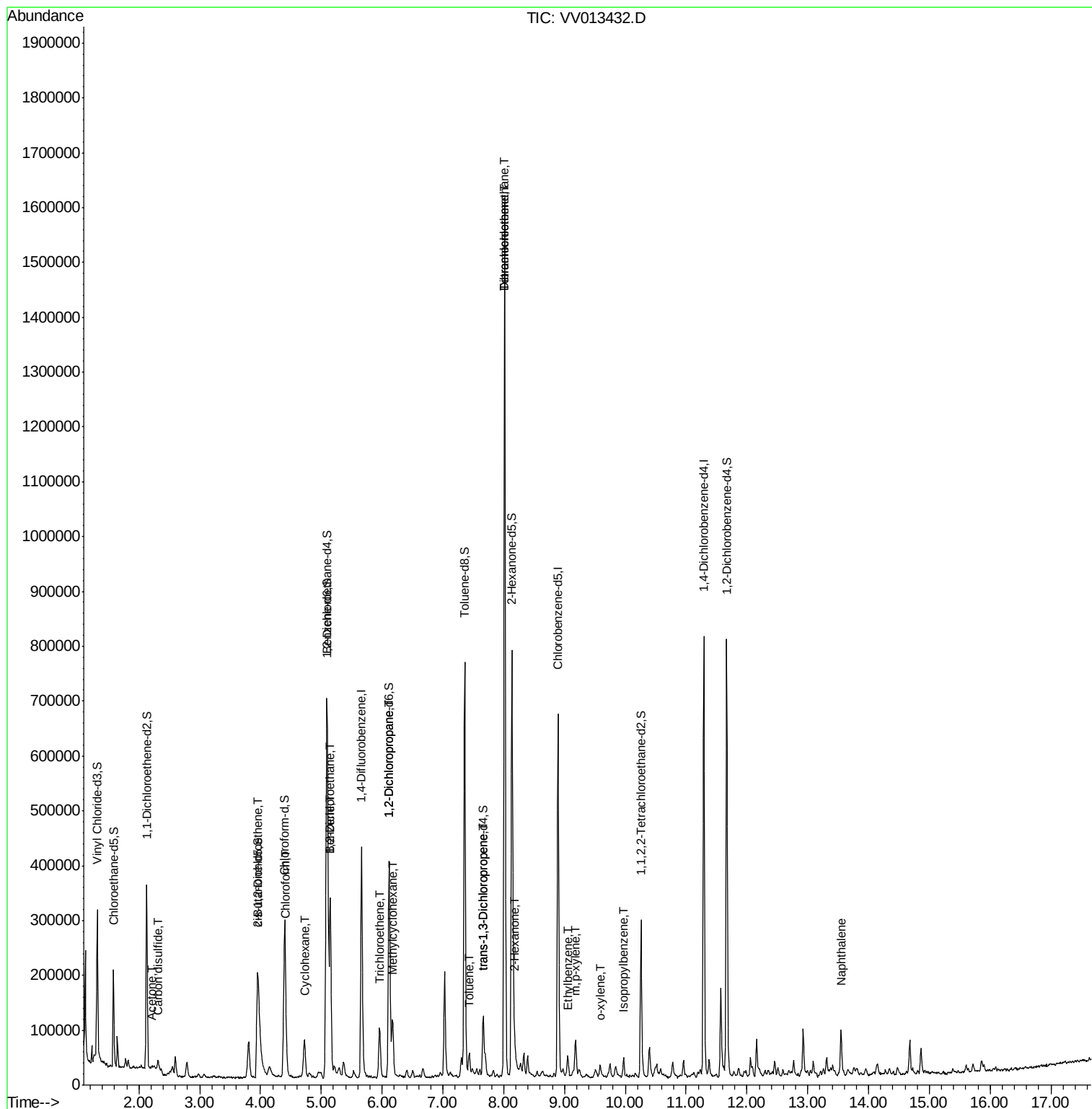
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	5530	0.103	ug/L	84
56) Isopropylbenzene	9.97	105	23267	0.160	ug/L	98
69) Naphthalene	13.55	128	64698	1.064	ug/L	97

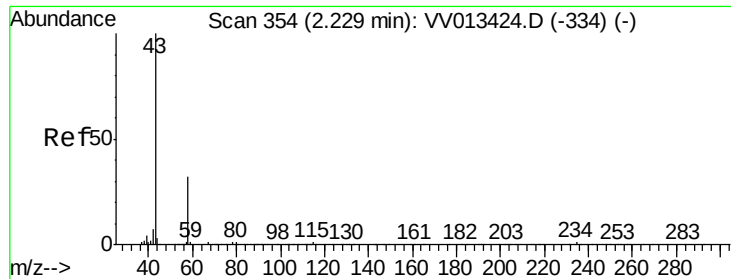
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.118 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.02 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Instrument :

MSVOA_V

ClientSampled :

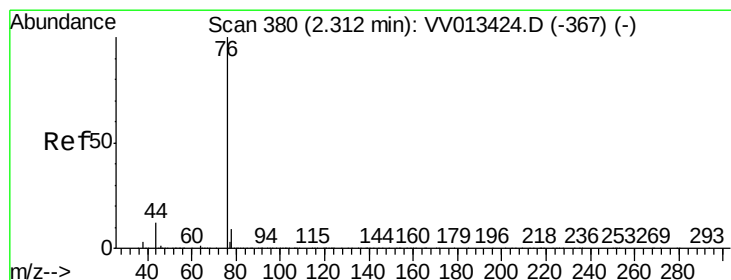
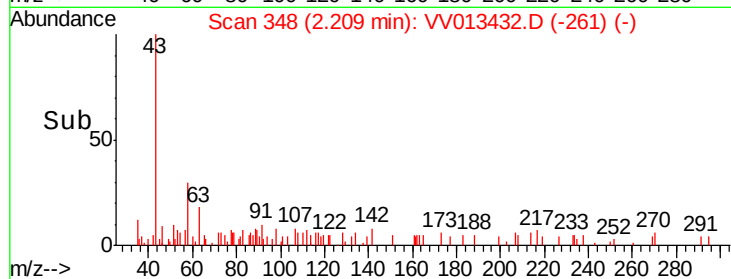
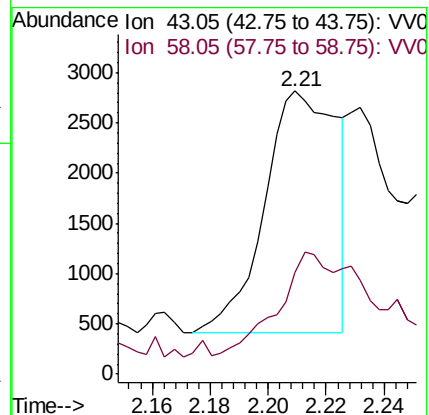
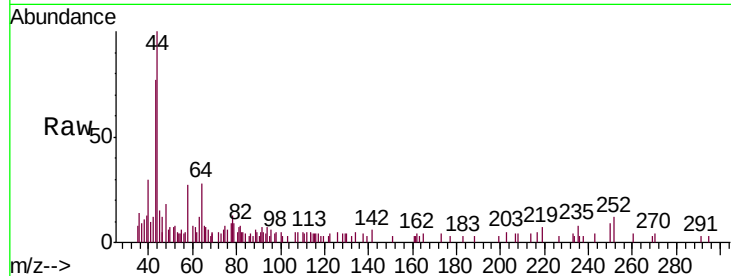
GAQD7

Tgt Ion: 43 Resp: 4159

Ion Ratio Lower Upper

43 100

58 29.2 0.0 59.0



#14

Carbon disulfide

Concen: 0.236 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013432.D

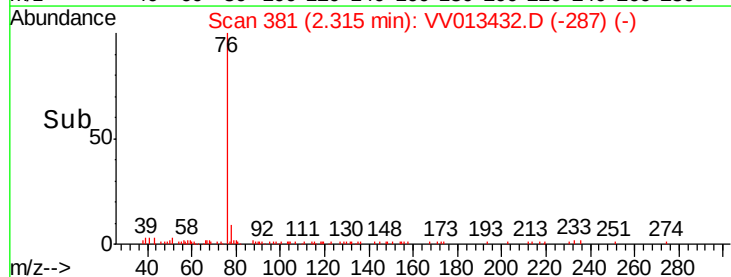
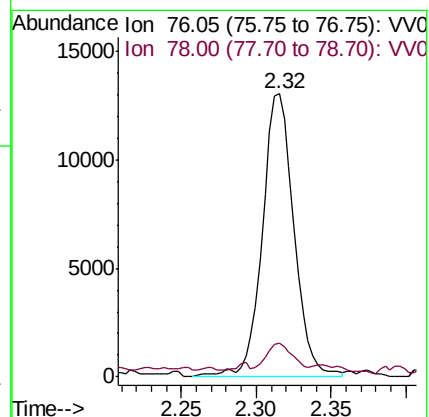
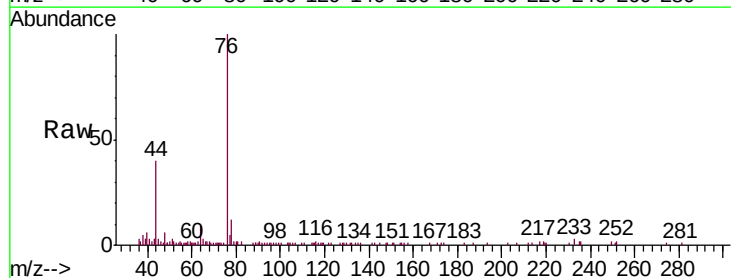
Acq: 30 Oct 2019 14:38

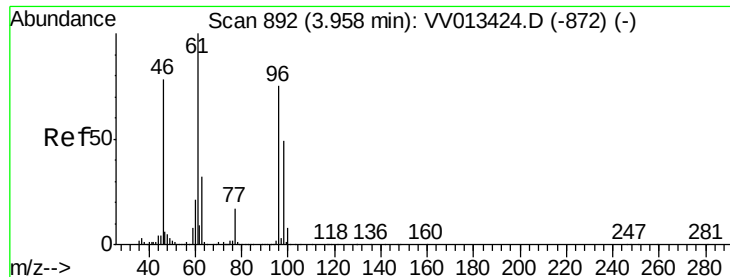
Tgt Ion: 76 Resp: 19236

Ion Ratio Lower Upper

76 100

78 11.7 7.5 11.3#





#22

cis-1,2-Dichloroethene

Concen: 0.353 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Instrument :

MSVOA_V

ClientSampleId :

GAQD7

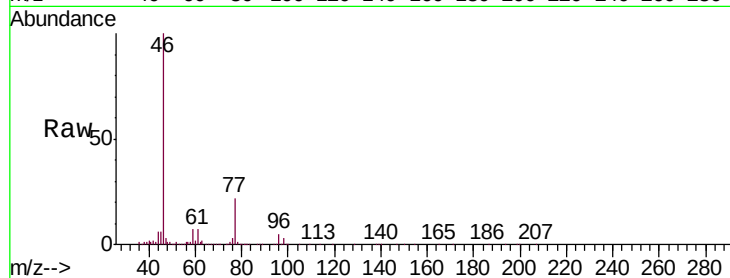
Tgt Ion: 96 Resp: 12773

Ion Ratio Lower Upper

96 100

61 131.1 89.9 167.0

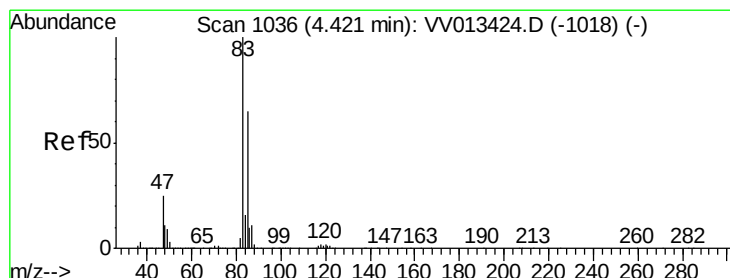
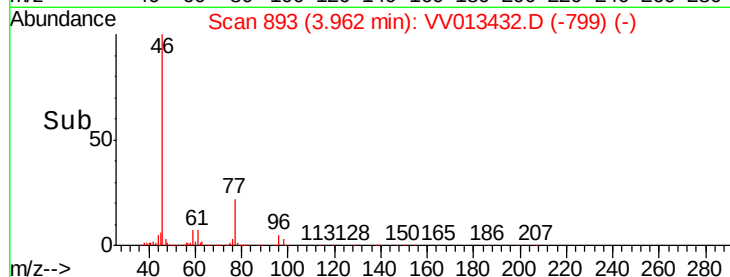
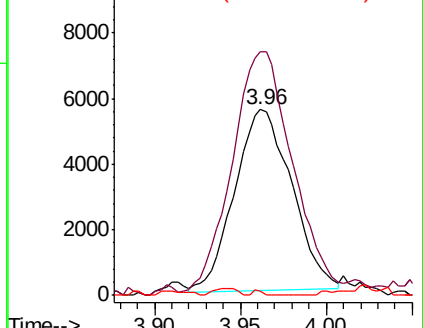
68 2.3 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.235 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013432.D

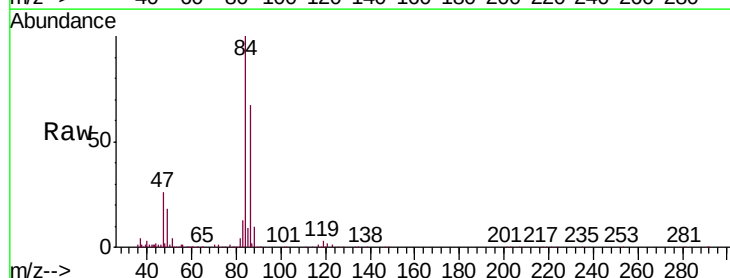
Acq: 30 Oct 2019 14:38

Tgt Ion: 83 Resp: 16401

Ion Ratio Lower Upper

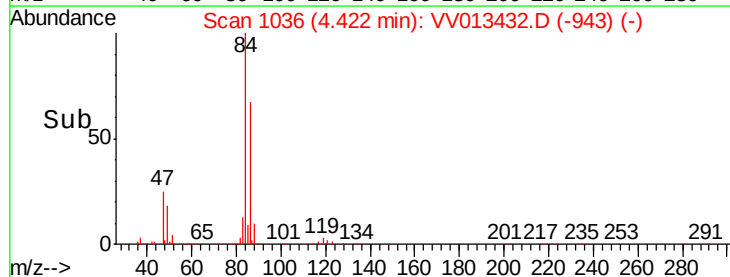
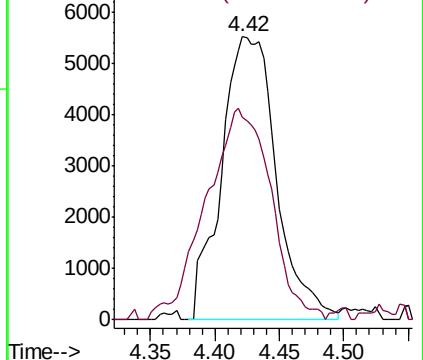
83 100

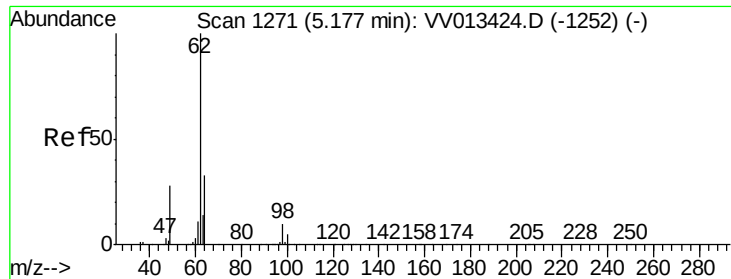
85 71.8 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

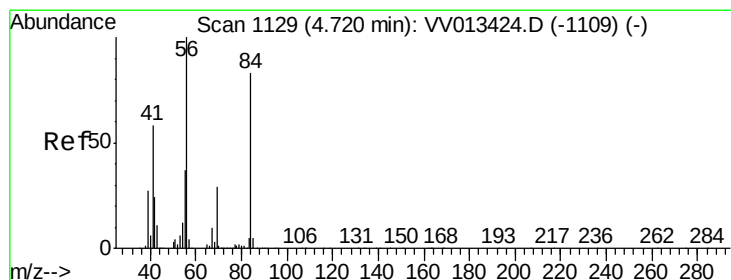
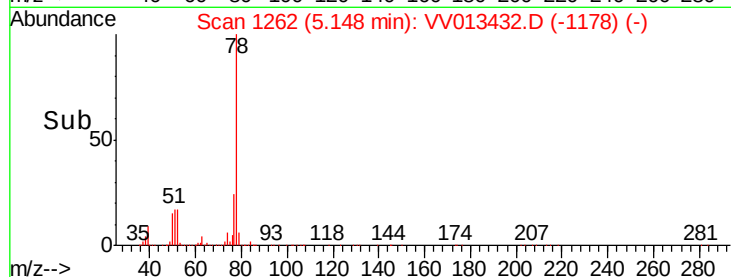
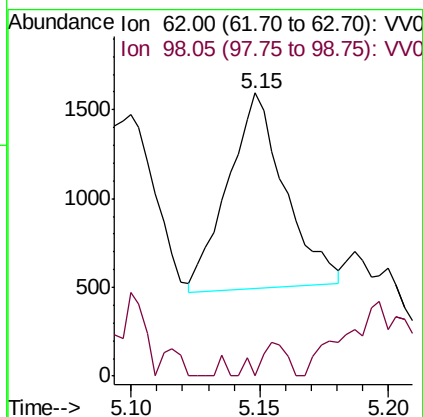
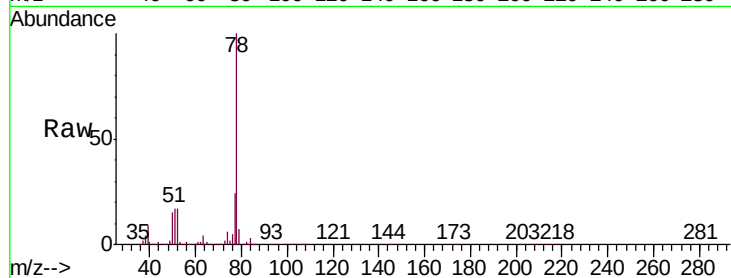




#27
 1,2-Dichloroethane
 Concen: 0.044 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: VV013432.D
 Acq: 30 Oct 2019 14:38

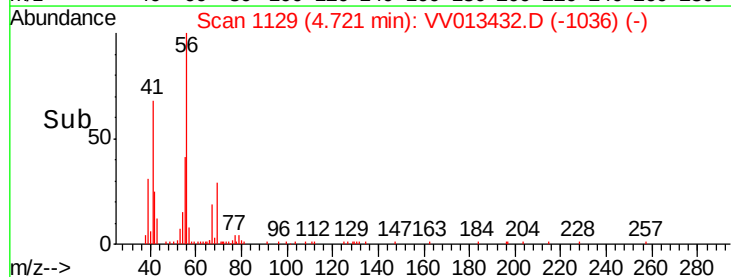
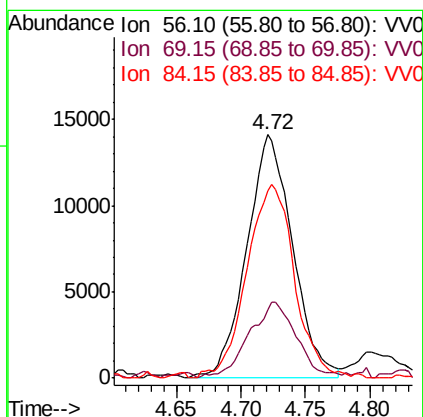
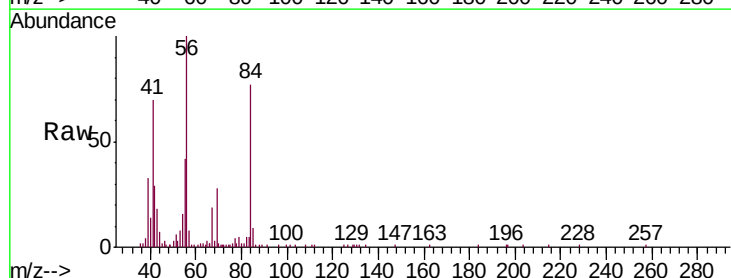
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD7

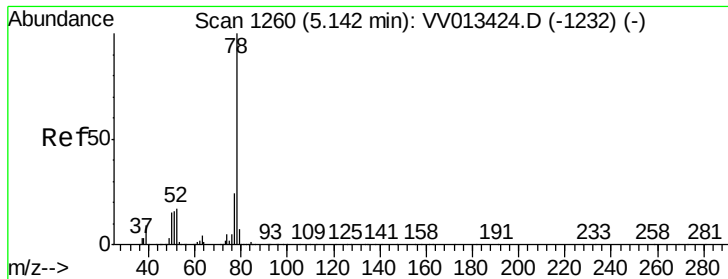
Tgt Ion: 62 Resp: 1693
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.6 12.8#



#30
 Cyclohexane
 Concen: 0.615 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013432.D
 Acq: 30 Oct 2019 14:38

Tgt Ion: 56 Resp: 34944
 Ion Ratio Lower Upper
 56 100
 69 32.4 22.7 34.1
 84 82.7 65.5 98.3





#33

Benzene

Concen: 2.384 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

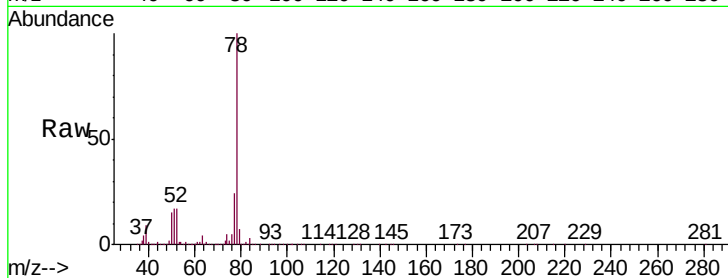
Instrument :

MSVOA_V

ClientSampleId :

GAQD7

Tgt Ion: 78 Resp: 325329



Abundance Ion 78.10 (77.80 to 78.80): VV0

150000

100000

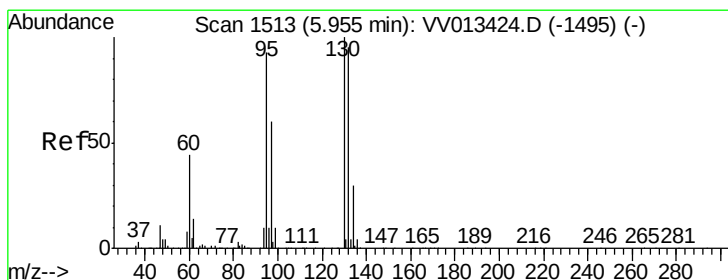
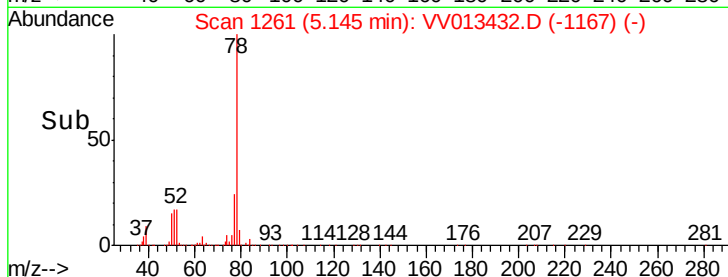
50000

0

5.14

5.00 5.10 5.20 5.30

Time-->



#34

Trichloroethene

Concen: 0.825 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Tgt Ion: 95 Resp: 30897

Ion	Ratio	Lower	Upper
95	100		
97	67.9	43.9	81.5
132	104.1	68.7	127.7
130	105.0	72.1	133.9

95 100

97 67.9 43.9 81.5

132 104.1 68.7 127.7

130 105.0 72.1 133.9

Abundance Ion 95.00 (94.70 to 95.70): VV0

25000 Ion 96.95 (96.65 to 97.65): VV0

20000 Ion 131.95 (131.65 to 132.65): V

15000 Ion 129.95 (129.65 to 130.65): V

10000

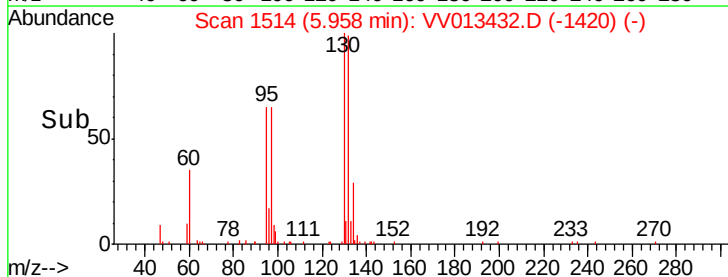
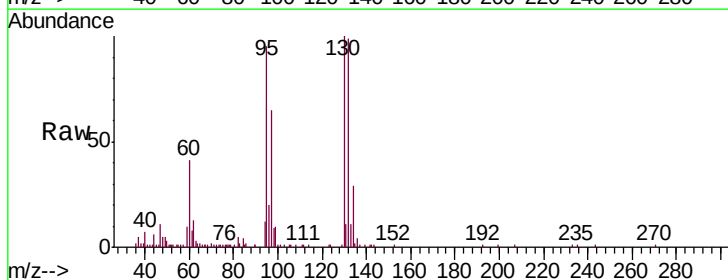
5000

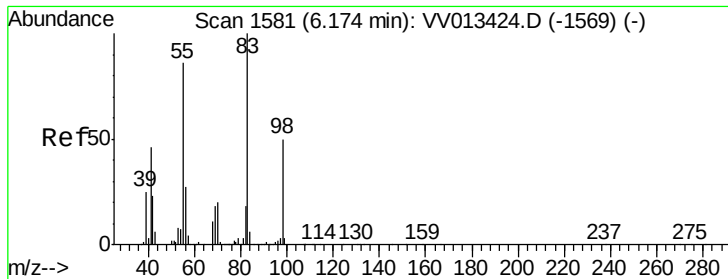
0

5.96

5.85 5.90 5.95 6.00 6.05

Time-->

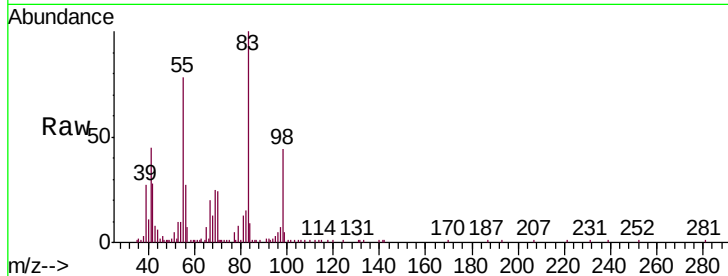




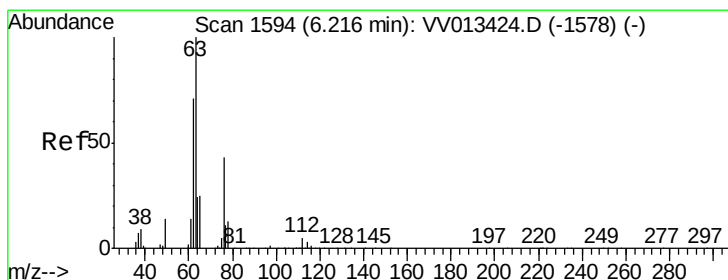
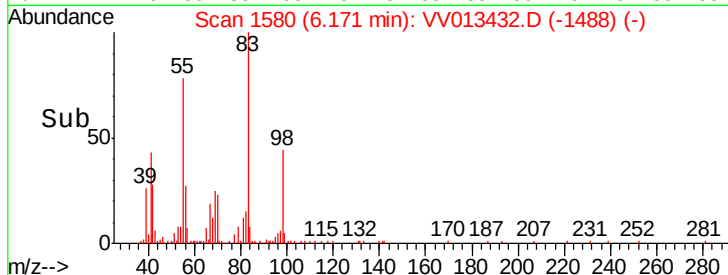
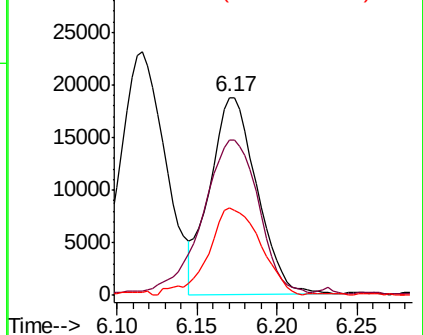
#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV013432.D
Acq: 30 Oct 2019 14:38

Instrument :
MSVOA_V
ClientSampleId :
GAQD7

Tgt Ion: 83 Resp: 37962
Ion Ratio Lower Upper
83 100
55 95.9 66.0 99.0
98 49.1 38.2 57.4

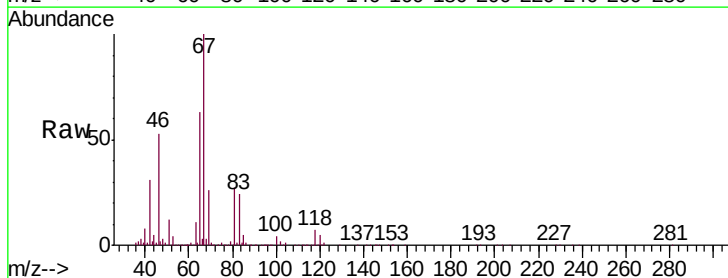


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

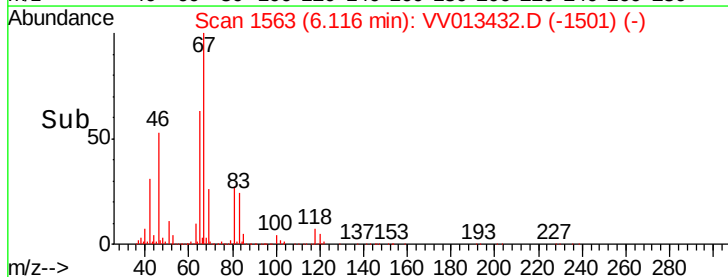
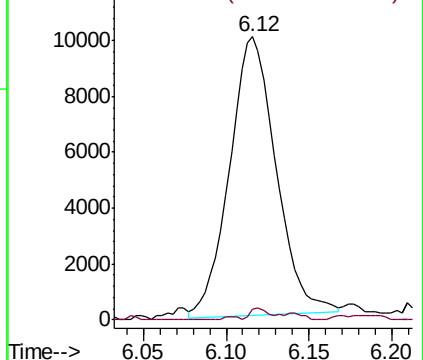


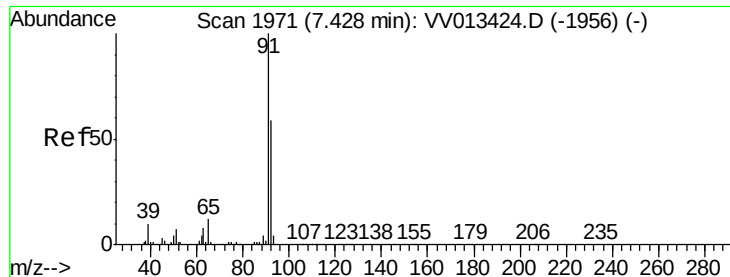
#37
1,2-Dichloropropane
Concen: 0.565 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013432.D
Acq: 30 Oct 2019 14:38

Tgt Ion: 63 Resp: 19490
Ion Ratio Lower Upper
63 100
112 1.6 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: 0.217 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Instrument :

MSVOA_V

ClientSampleId :

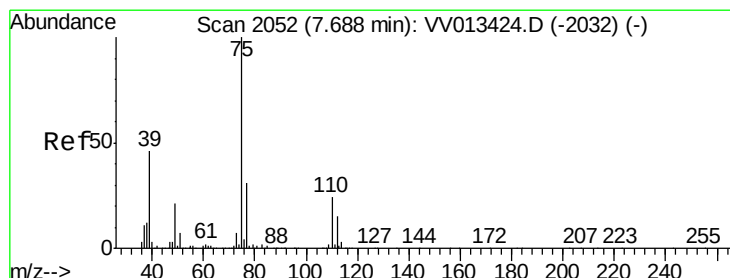
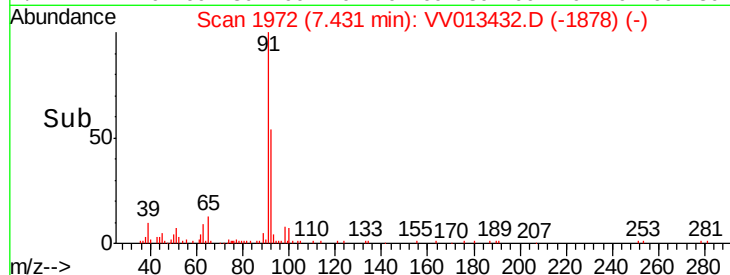
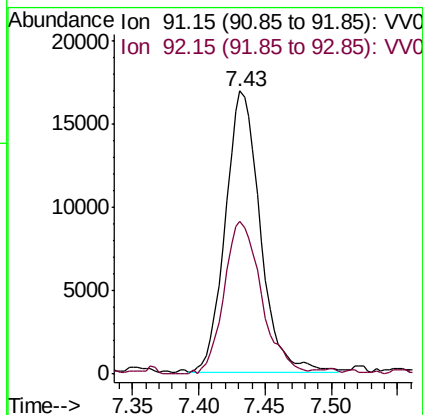
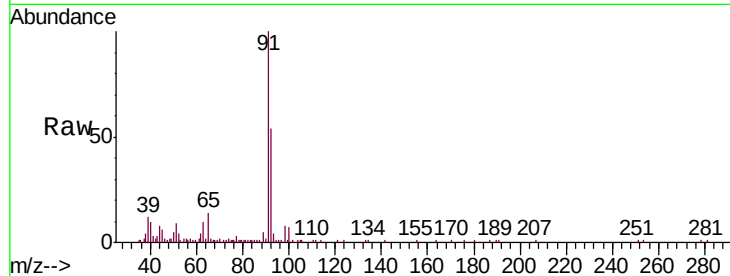
GAQD7

Tgt Ion: 91 Resp: 30888

Ion Ratio Lower Upper

91 100

92 53.8 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013432.D

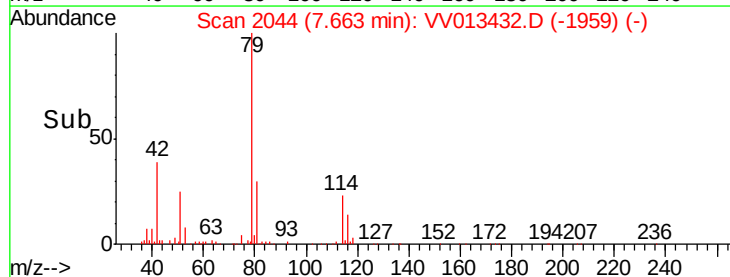
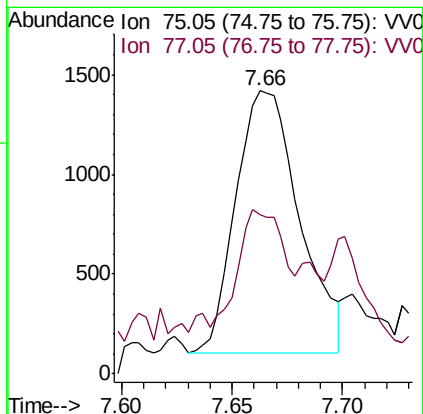
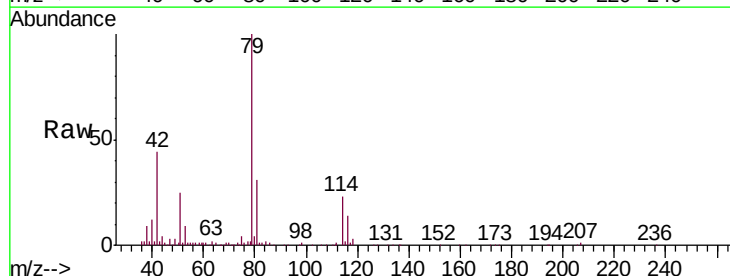
Acq: 30 Oct 2019 14:38

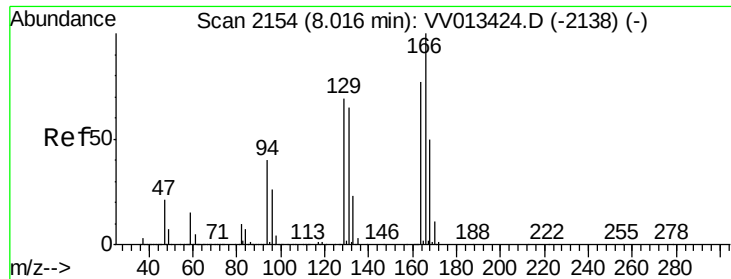
Tgt Ion: 75 Resp: 2638

Ion Ratio Lower Upper

75 100

77 56.2 21.5 39.9#





#47

Tetrachloroethene

Concen: 11.465 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Instrument :

MSVOA_V

ClientSampleId :

GAQD7

Tgt Ion:164 Resp: 363874

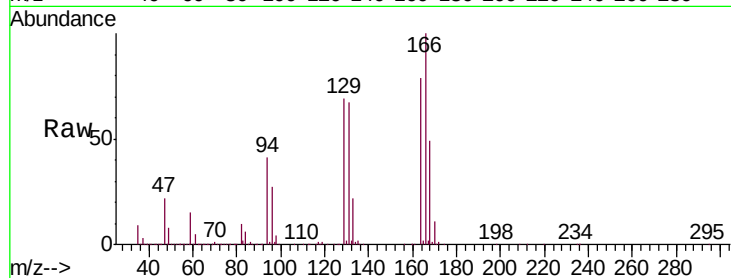
Ion Ratio Lower Upper

164 100

129 88.1 63.4 117.8

131 84.9 60.3 112.1

166 127.1 90.8 168.6

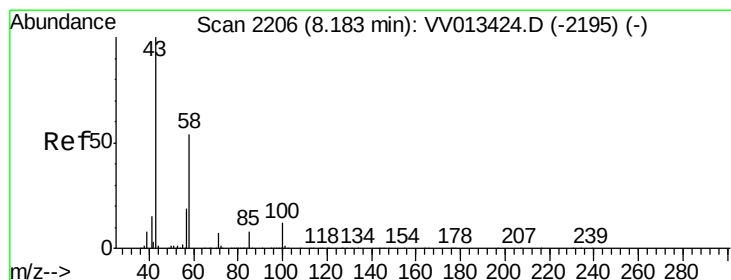
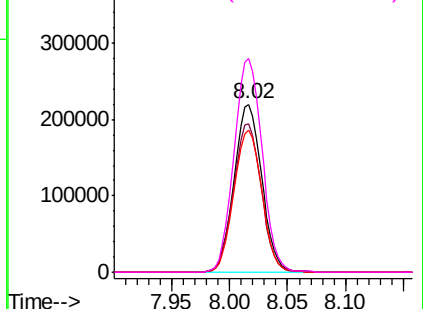
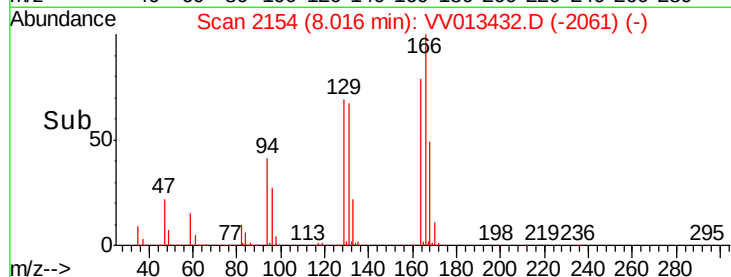


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.082 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Tgt Ion: 43 Resp: 14857

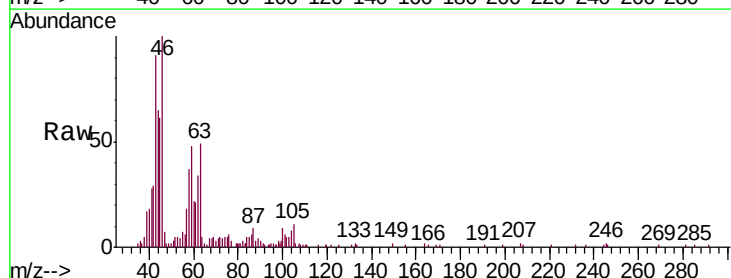
Ion Ratio Lower Upper

43 100

58 0.0 43.5 65.3#

57 14.0 14.3 21.5#

100 10.5 9.3 13.9

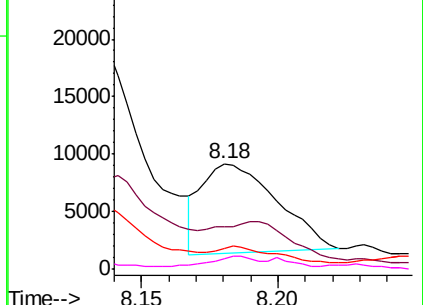
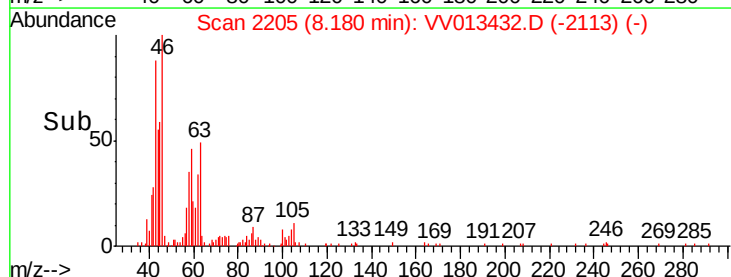


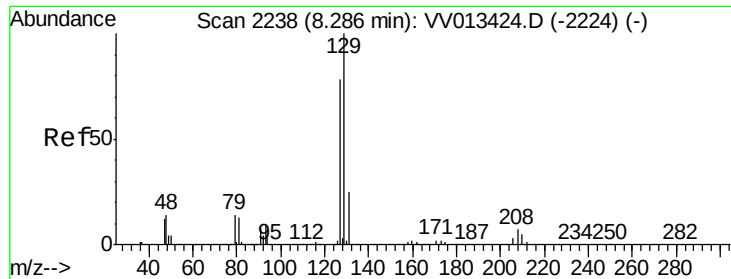
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 10.918 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Instrument :

MSVOA_V

ClientSampleId :

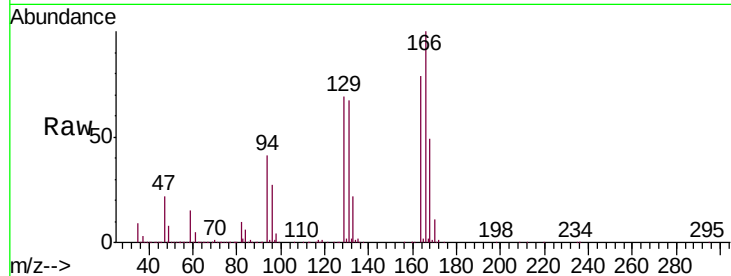
GAQD7

Tgt Ion:129 Resp: 310205

Ion Ratio Lower Upper

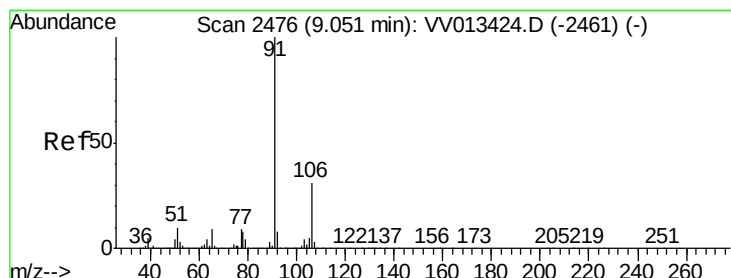
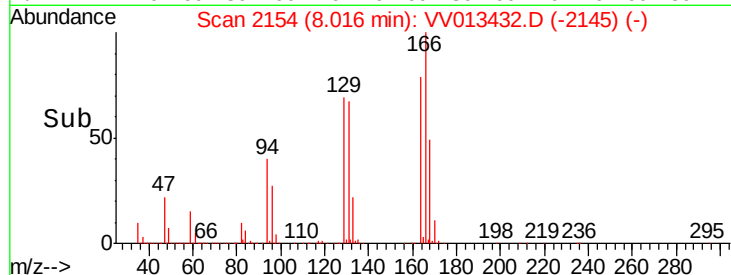
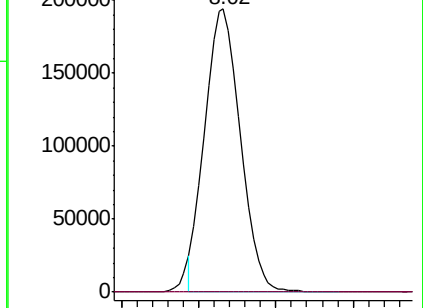
129 100

127 0.0 53.8 100.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

Ethylbenzene

Concen: 0.184 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013432.D

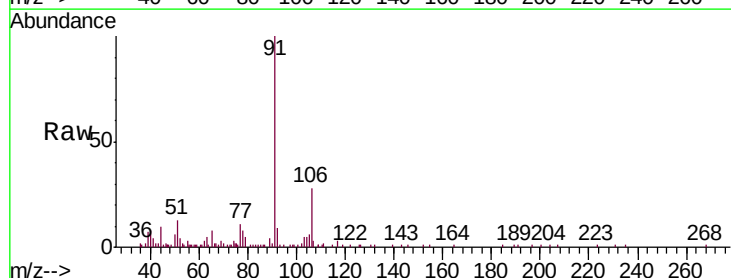
Acq: 30 Oct 2019 14:38

Tgt Ion: 91 Resp: 27757

Ion Ratio Lower Upper

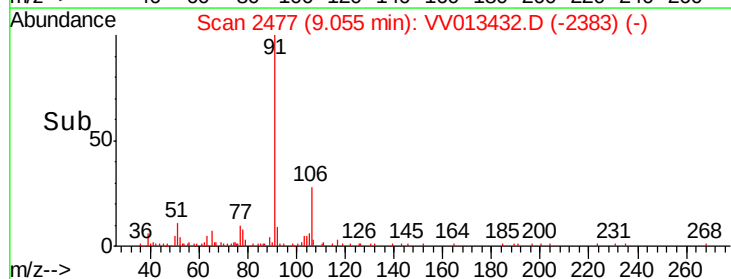
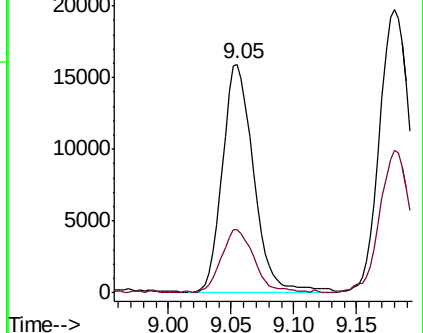
91 100

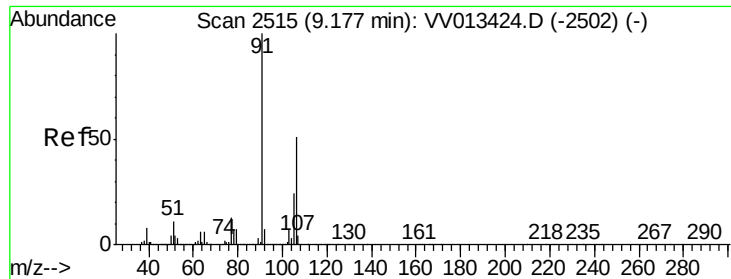
106 27.8 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.322 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Instrument :

MSVOA_V

ClientSampleId :

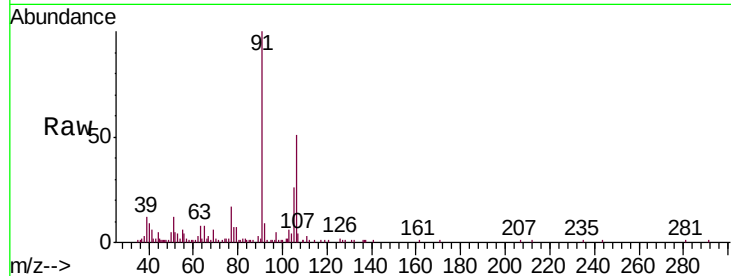
GAQD7

Tgt Ion:106 Resp: 17952

Ion Ratio Lower Upper

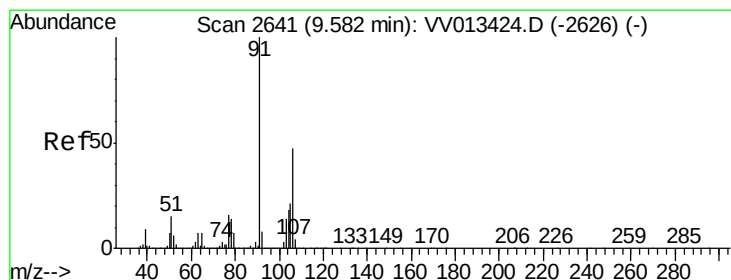
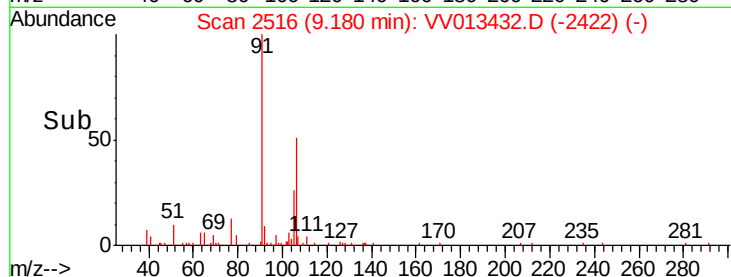
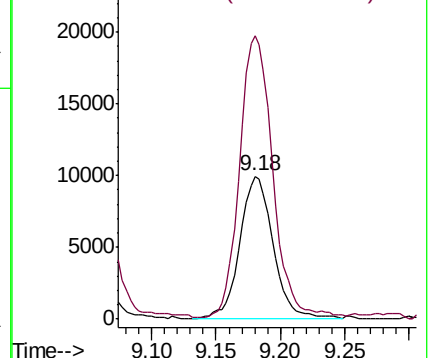
106 100

91 197.9 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.103 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013432.D

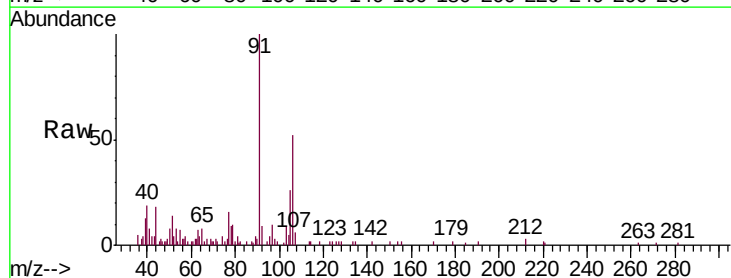
Acq: 30 Oct 2019 14:38

Tgt Ion:106 Resp: 5530

Ion Ratio Lower Upper

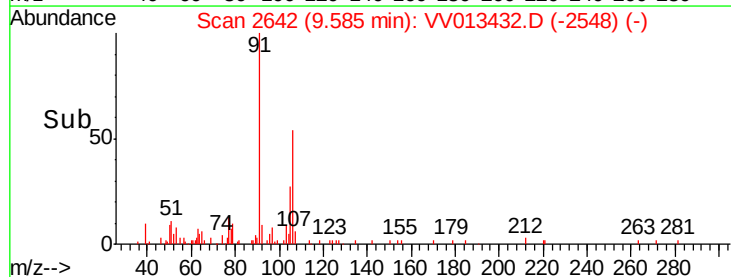
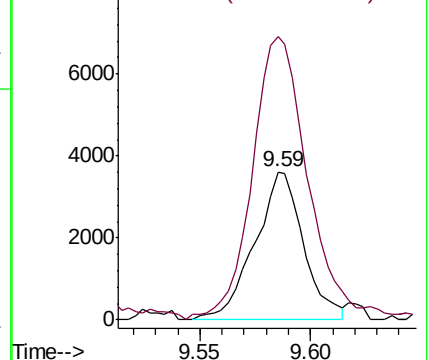
106 100

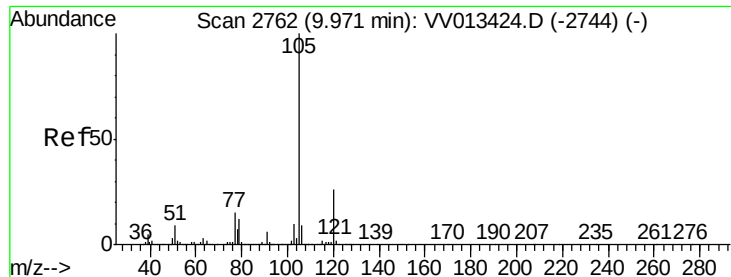
91 191.6 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.160 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

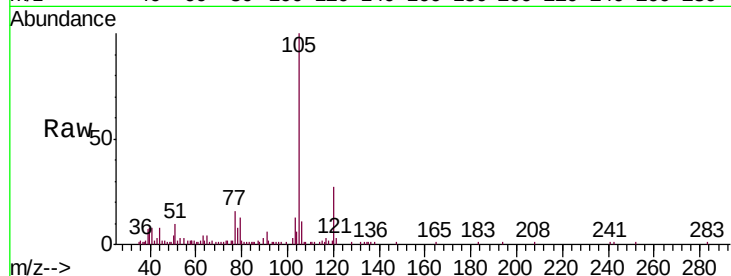
Instrument :

MSVOA_V

ClientSampleId :

GAQD7

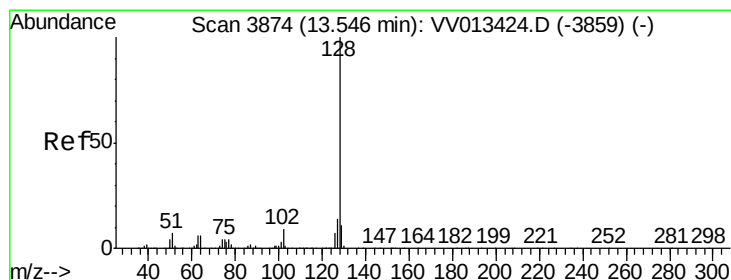
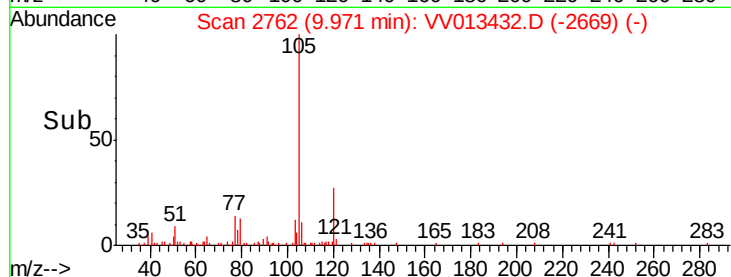
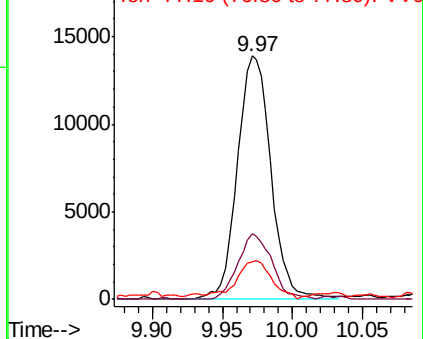
Tgt Ion:	105	Resp:	23267
Ion Ratio	Lower	Upper	
105	100		
120	27.2	21.0	31.6
77	17.1	12.9	19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#69

Naphthalene

Concen: 1.064 ug/L

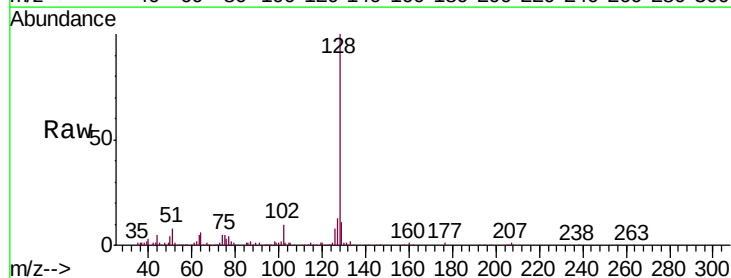
RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013432.D

Acq: 30 Oct 2019 14:38

Tgt Ion:	128	Resp:	64698
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.7	13.1
127	14.4	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

