

Data File : VV013401.D
Acq On : 29 Oct 2019 17:53
Operator : SY/MD
Sample : K5597-08
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQD9

Quant Time: Oct 30 02:54:20 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	338400	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	361502	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	179281	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	158693	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	129300	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	199144	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	3.95	46	395458	54.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.02%
24) Chloroform-d	4.40	84	301781	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	163439	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	635478	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	200132	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	526965	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	66732	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.13	63	220015	47.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127450	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	201363	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2272	0.084 ug/L #	19
12) 1,1-Dichloroethene	2.13	96	2485	0.096 ug/L #	1
13) Acetone	2.23	43	7115	1.989 ug/L	70
14) Carbon disulfide	2.32	76	19758	0.252 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	23103	0.670 ug/L	92
21) 2-Butanone	4.14	43	33090	4.246 ug/L #	54
22) cis-1,2-Dichloroethene	3.96	96	82656	2.378 ug/L #	98
25) Chloroform	4.42	83	21455	0.320 ug/L	97
30) Cyclohexane	4.72	56	16230	0.289 ug/L	89
33) Benzene	5.14	78	295852	2.190 ug/L	100
34) Trichloroethene	5.96	95	65314	1.761 ug/L	98
35) Methylcyclohexane	6.17	83	11348	0.205 ug/L	85
37) 1,2-Dichloropropane	6.12	63	20850	0.611 ug/L #	87
42) Toluene	7.43	91	34195	0.243 ug/L	98
47) Tetrachloroethene	8.02	164	108950	3.468 ug/L	98
48) 2-Hexanone	8.18	43	29161	2.145 ug/L #	89
49) Dibromochloromethane	8.02	129	89161	3.170 ug/L #	11

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

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Operator : SY/MD
Sample : K5597-08
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ALS Vial : 14 Sample Multiplier: 1

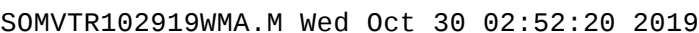
Instrument :
MSVOA_V
ClientSampleId :
GAQD9

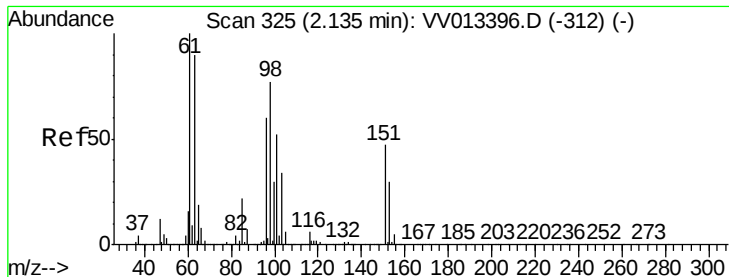
Quant Time: Oct 30 02:54:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.05	91	18698	0.125	ug/L	93
53) m,p-xylene	9.18	106	7083	0.128	ug/L	94
56) Isopropylbenzene	9.97	105	11590	0.081	ug/L #	95
69) Naphthalene	13.55	128	14271	0.278	ug/L	95

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

Quant Time: Oct 30 02:54:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
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QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

GAQD9

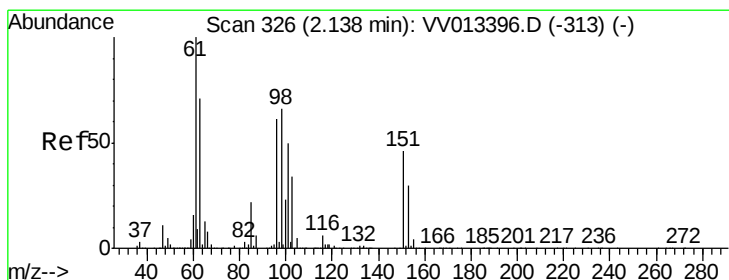
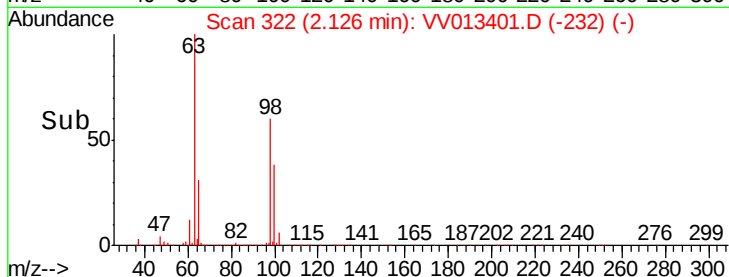
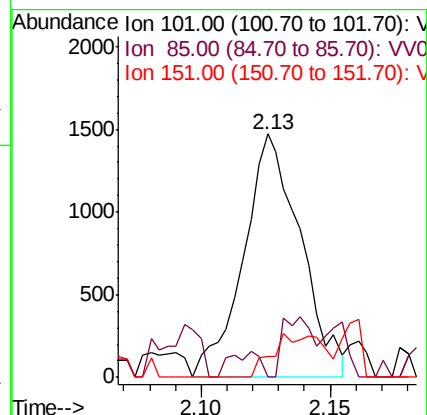
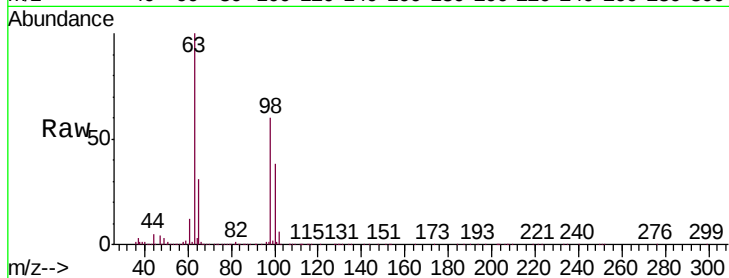
Tgt Ion: 101 Resp: 2272

Ion Ratio Lower Upper

101 100

85 5.4 33.0 49.4#

151 0.0 68.2 102.2#



#12

1,1-Dichloroethene

Concen: 0.096 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

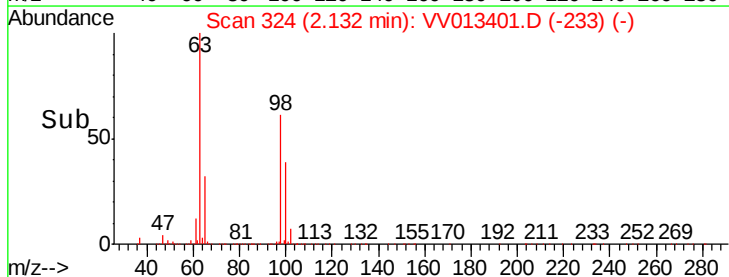
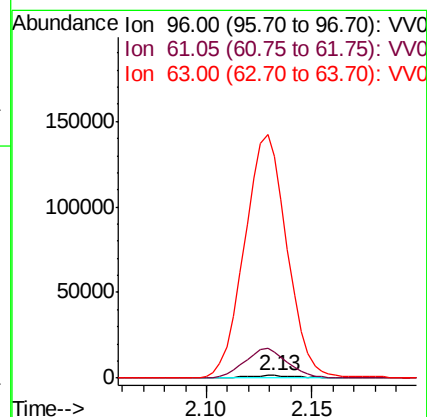
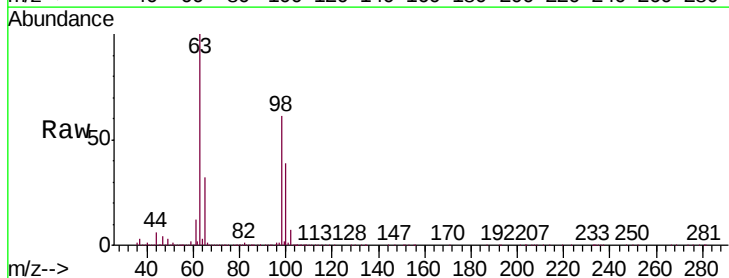
Tgt Ion: 96 Resp: 2485

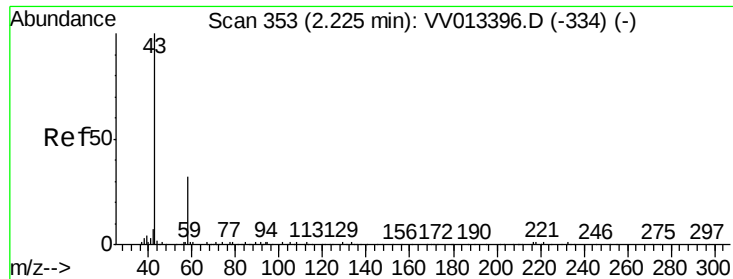
Ion Ratio Lower Upper

96 100

61 1073.0 117.8 218.8#

63 8993.8 85.5 158.9#





#13

Acetone

Concen: 1.989 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

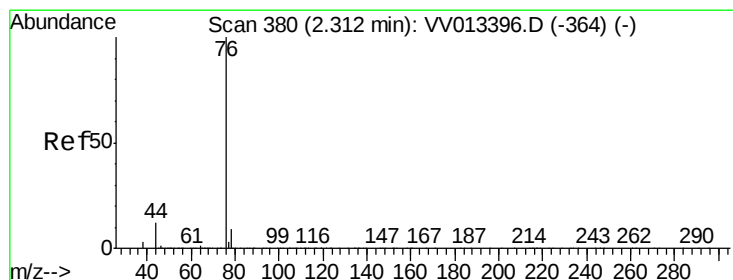
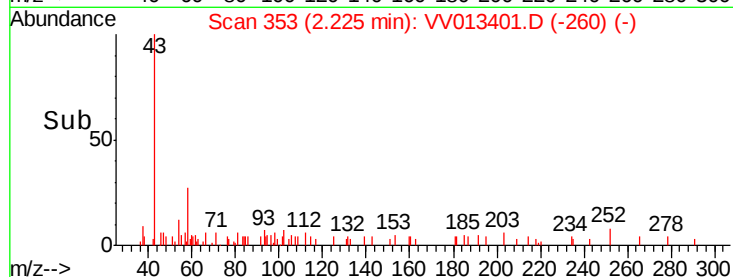
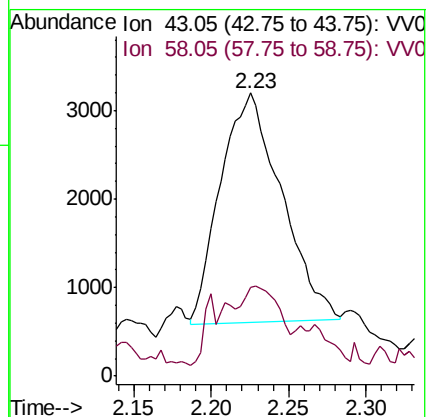
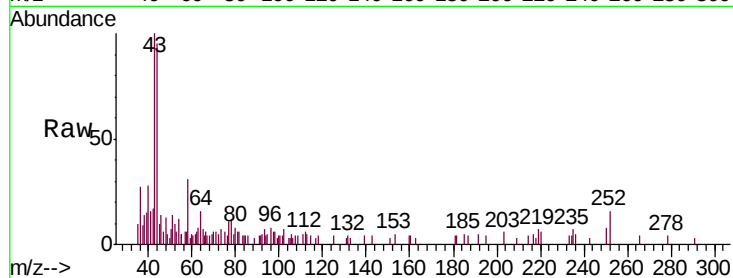
GAQD9

Tgt Ion: 43 Resp: 7115

Ion Ratio Lower Upper

43 100

58 13.1 0.0 59.0



#14

Carbon disulfide

Concen: 0.252 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013401.D

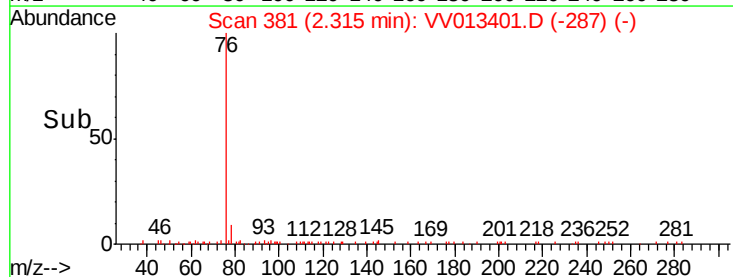
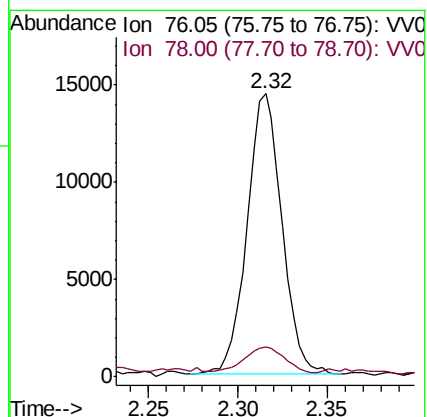
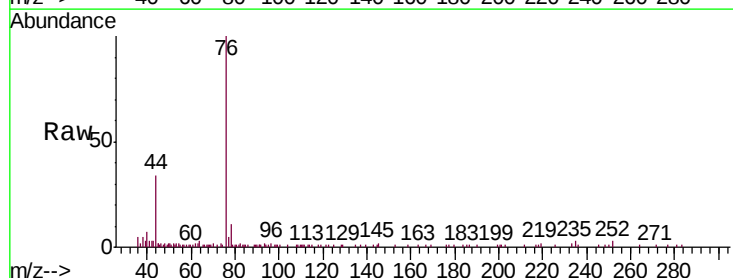
Acq: 29 Oct 2019 17:53

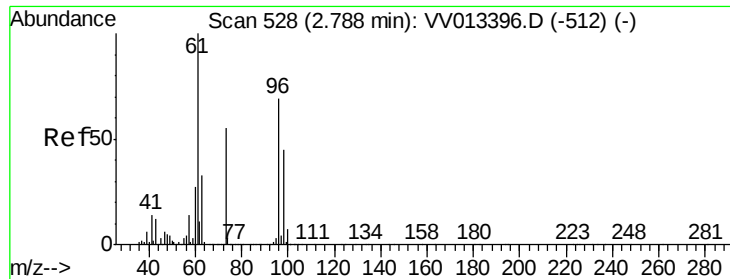
Tgt Ion: 76 Resp: 19758

Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3

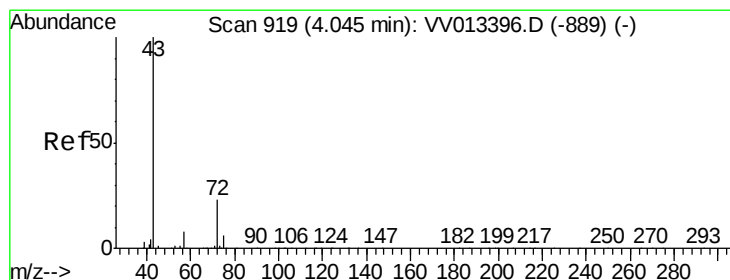
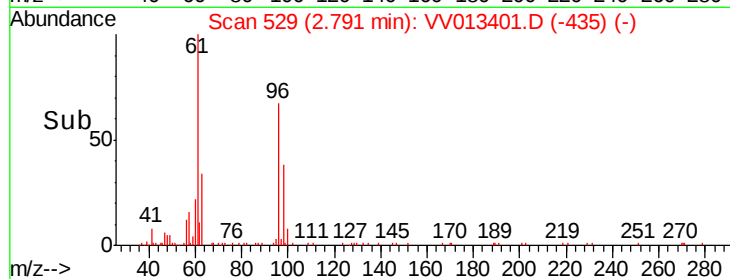
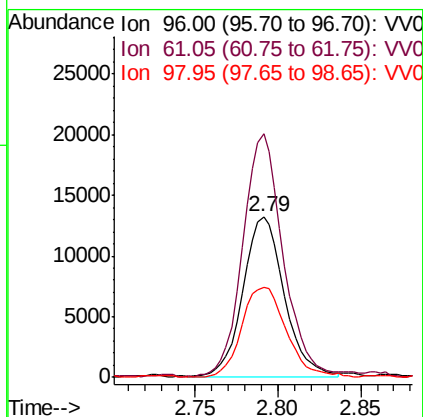
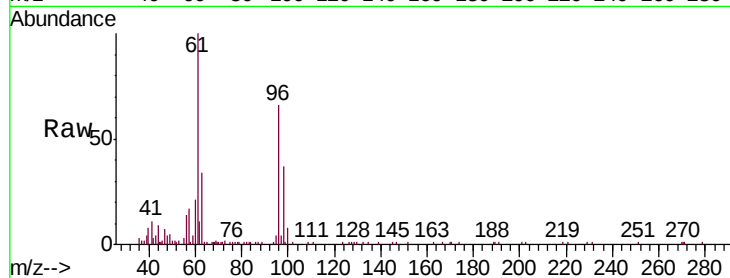




#18
trans-1,2-Dichloroethene
Concen: 0.670 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

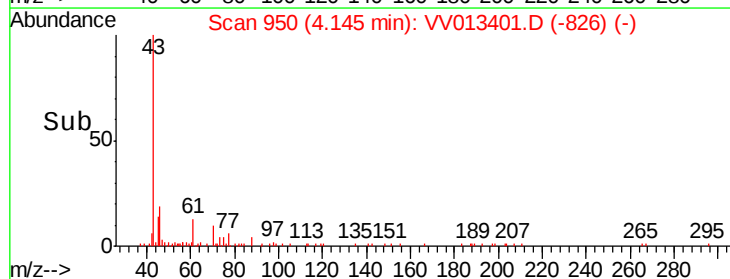
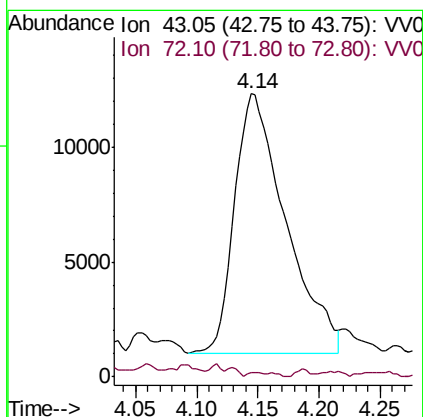
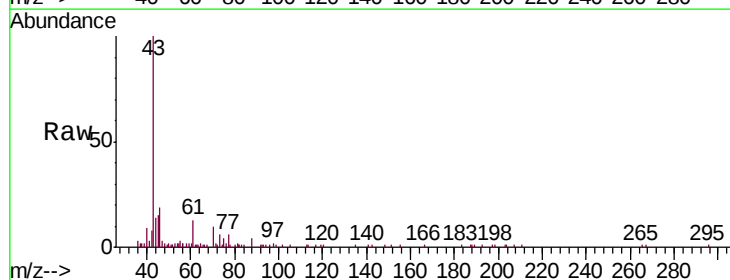
Instrument :
MSVOA_V
ClientSampled :
GAQD9

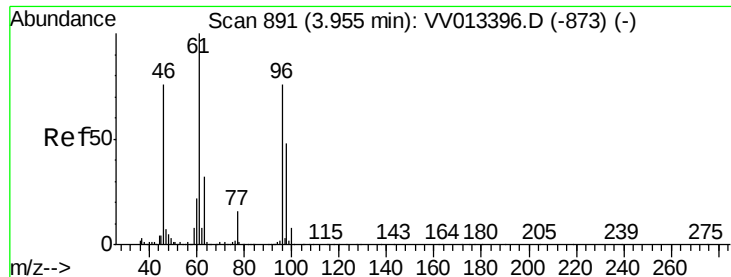
Tgt Ion: 96 Resp: 23103
Ion Ratio Lower Upper
96 100
61 151.7 100.1 185.9
98 56.3 44.2 82.0



#21
2-Butanone
Concen: 4.246 ug/L
RT: 4.14 min Scan# 950
Delta R.T. 0.10 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

Tgt Ion: 43 Resp: 33090
Ion Ratio Lower Upper
43 100
72 0.5 11.3 33.9#





#22

cis-1,2-Dichloroethene

Concen: 2.378 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampled :

GAQD9

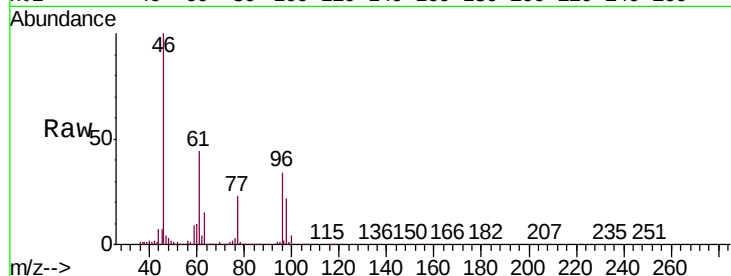
Tgt Ion: 96 Resp: 82656

Ion Ratio Lower Upper

96 100

61 126.4 89.9 167.0

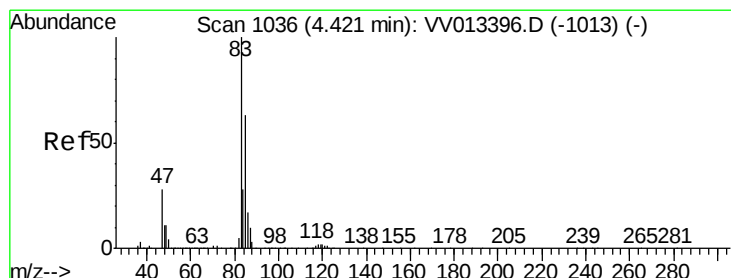
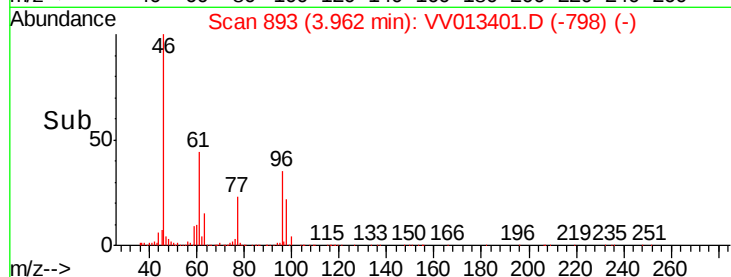
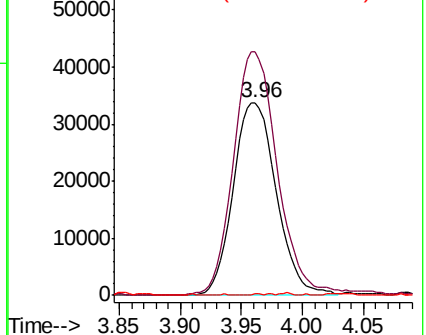
68 0.6 0.1 0.3#



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: 0.320 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013401.D

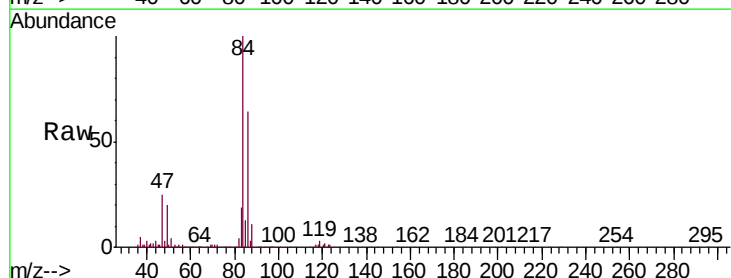
Acq: 29 Oct 2019 17:53

Tgt Ion: 83 Resp: 21455

Ion Ratio Lower Upper

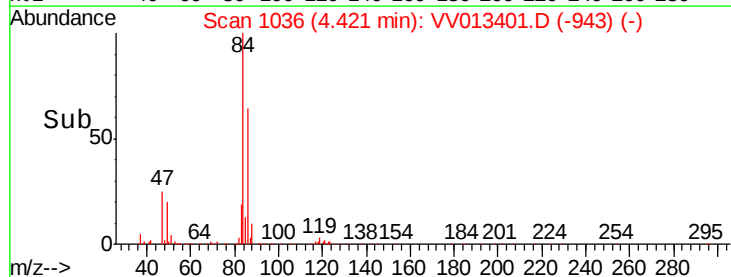
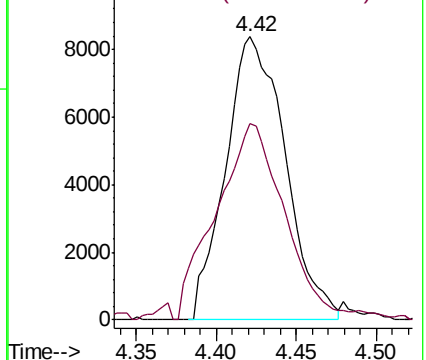
83 100

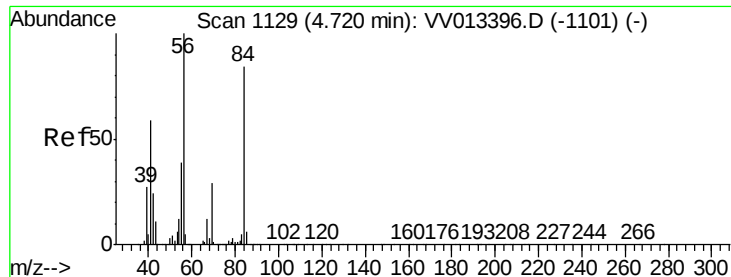
85 69.2 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

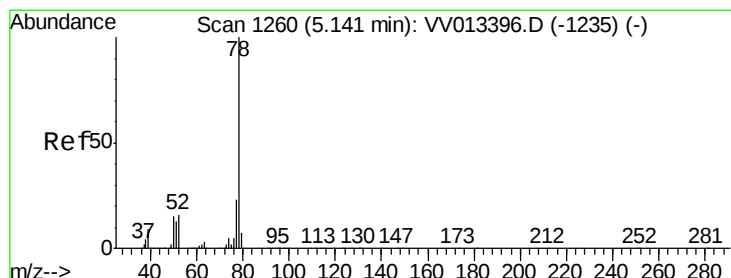
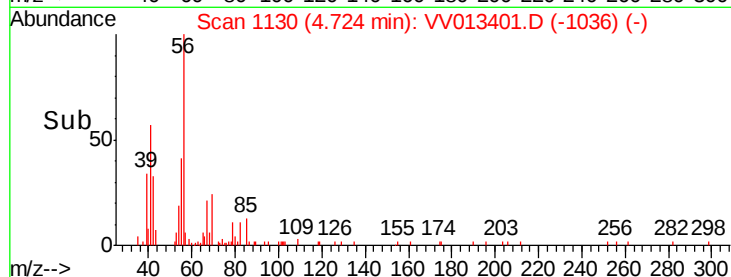
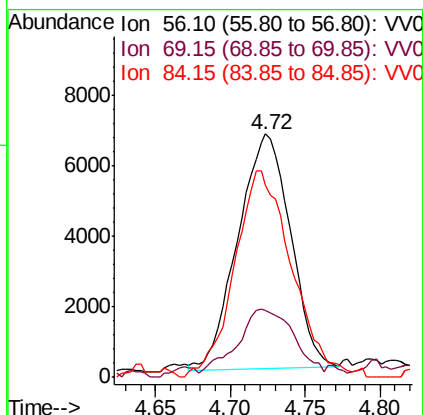
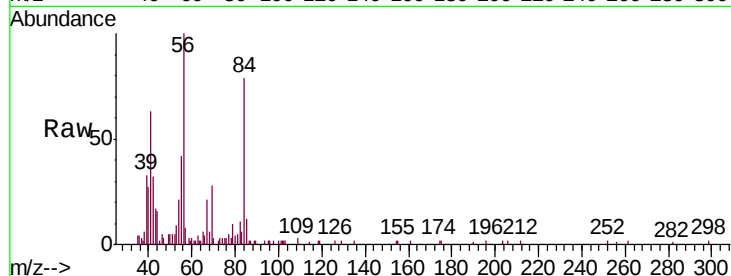




#30
Cyclohexane
Concen: 0.289 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

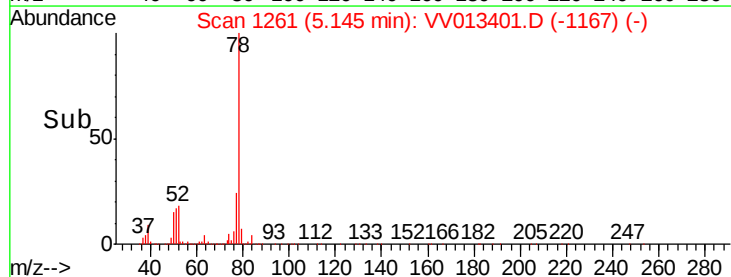
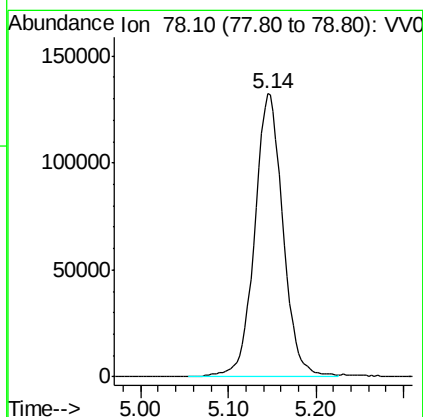
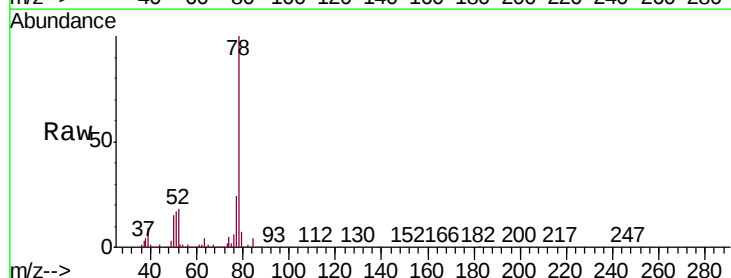
Instrument :
MSVOA_V
ClientSampleId :
GAQD9

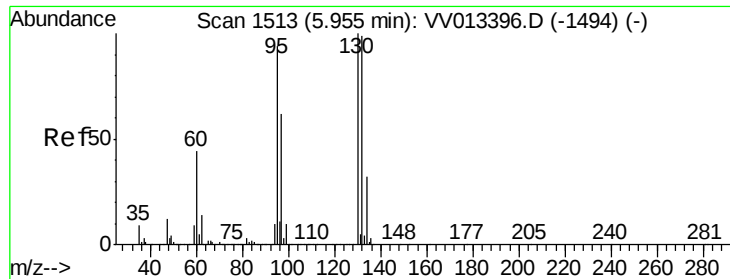
Tgt Ion: 56 Resp: 16230
Ion Ratio Lower Upper
56 100
69 28.2 22.7 34.1
84 95.6 65.5 98.3



#33
Benzene
Concen: 2.190 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

Tgt Ion: 78 Resp: 295852

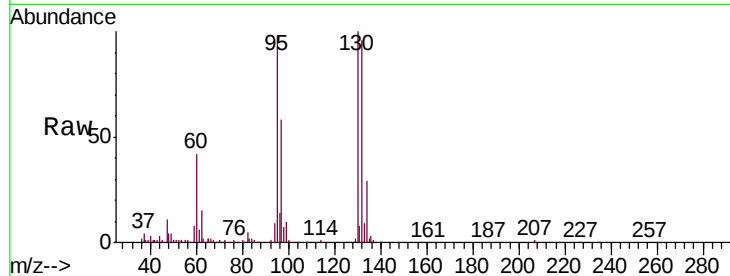




#34
 Trichloroethene
 Concen: 1.761 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013401.D
 Acq: 29 Oct 2019 17:53

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD9

Tgt Ion:	95	Resp:	65314
Ion	Ratio	Lower	Upper
95	100		
97	58.7	43.9	81.5
132	98.0	68.7	127.7
130	101.6	72.1	133.9

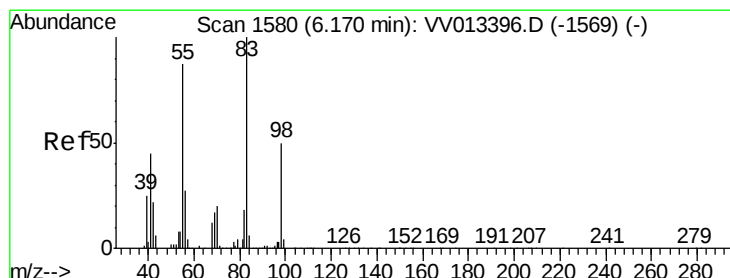
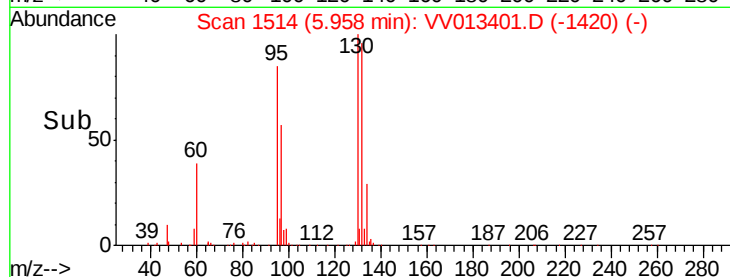
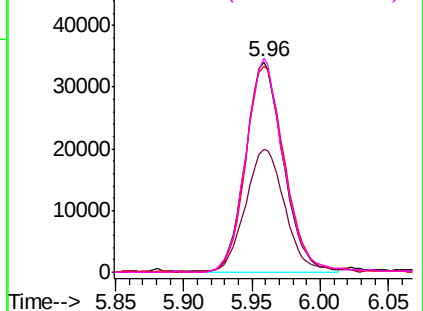


Abundance Ion 95.00 (94.70 to 95.70): VV013396.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV013396.D (-1494) (-)

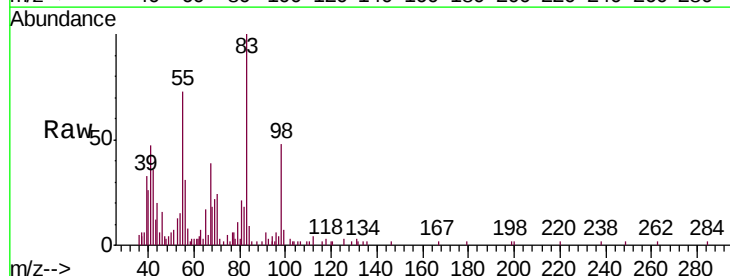
Ion 131.95 (131.65 to 132.65): VV013396.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV013396.D (-1494) (-)



#35
 Methylcyclohexane
 Concen: 0.205 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013401.D
 Acq: 29 Oct 2019 17:53

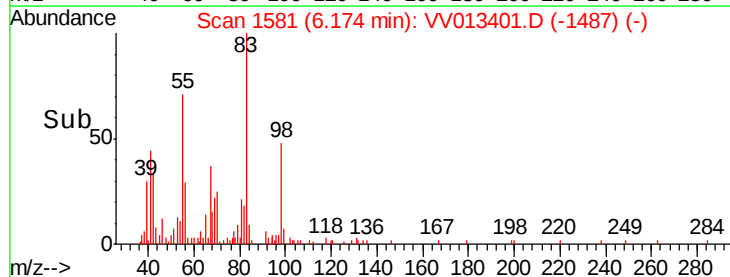
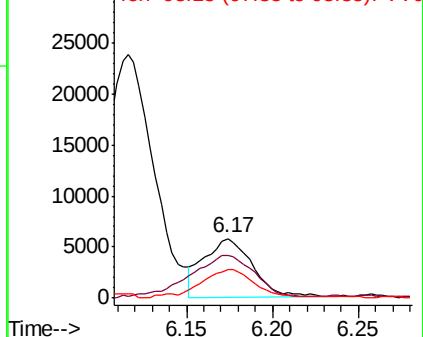
Tgt Ion:	83	Resp:	11348
Ion	Ratio	Lower	Upper
83	100		
55	98.1	66.0	99.0
98	54.8	38.2	57.4

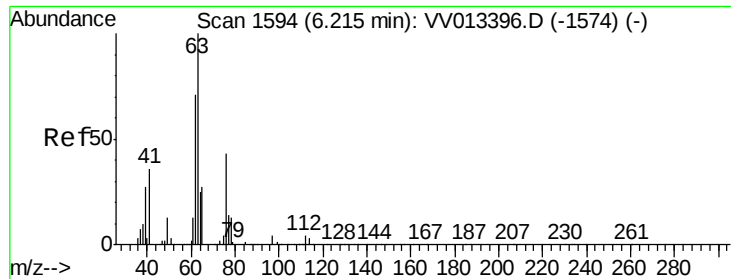


Abundance Ion 83.15 (82.85 to 83.85): VV013396.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV013396.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV013396.D (-1569) (-)

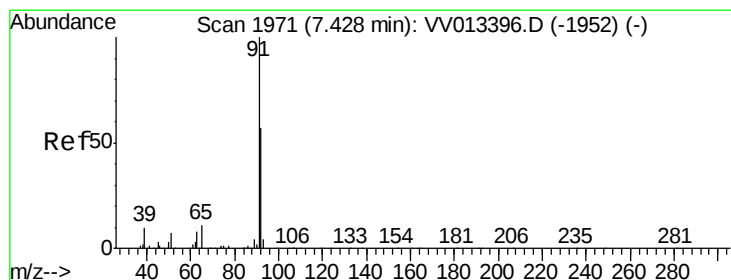
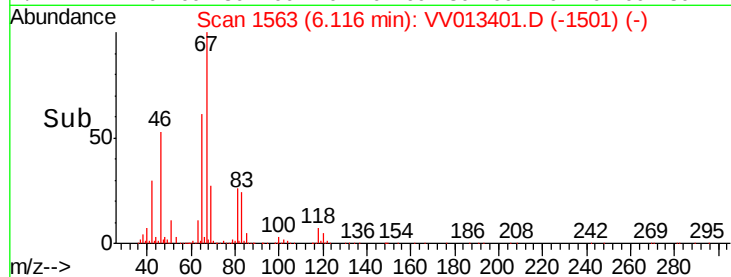
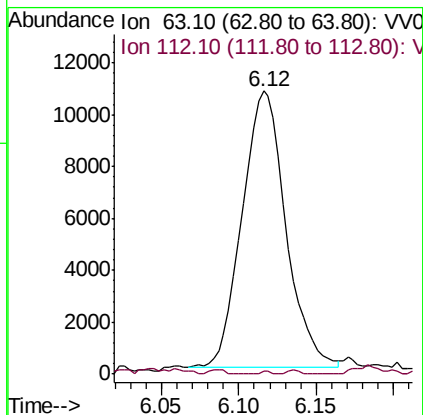
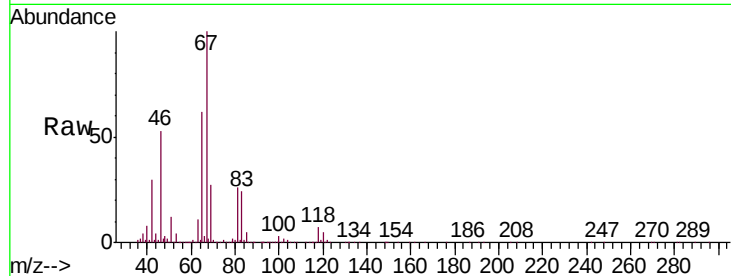




#37
 1,2-Dichloropropane
 Concen: 0.611 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013401.D
 Acq: 29 Oct 2019 17:53

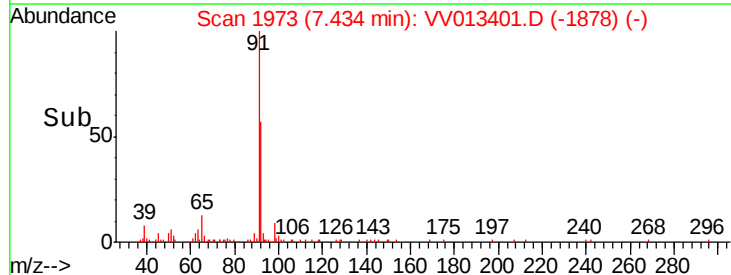
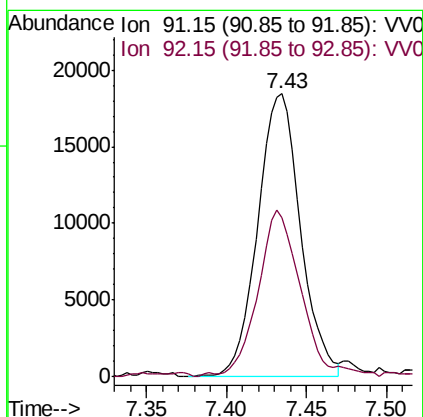
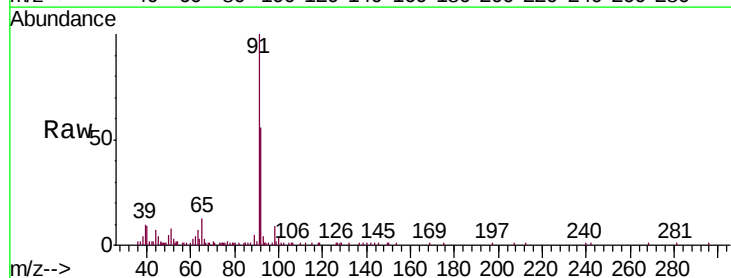
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD9

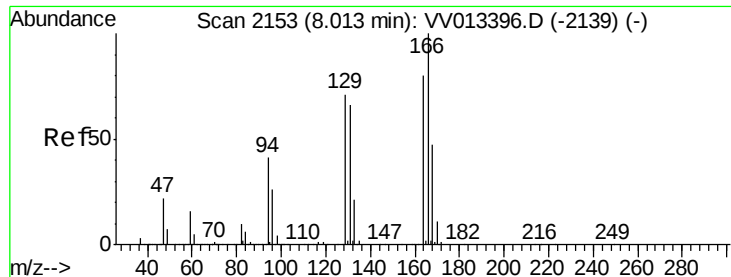
Tgt Ion: 63 Resp: 20850
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.6 5.4#



#42
 Toluene
 Concen: 0.243 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VV013401.D
 Acq: 29 Oct 2019 17:53

Tgt Ion: 91 Resp: 34195
 Ion Ratio Lower Upper
 91 100
 92 56.3 40.3 74.8

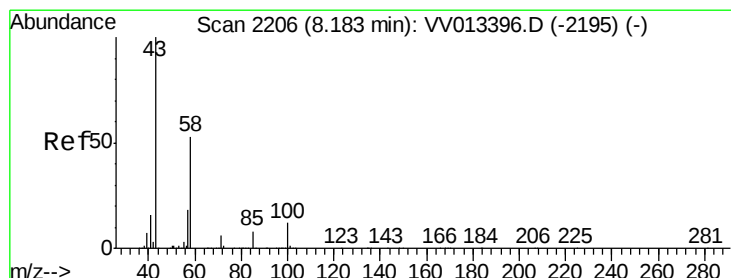
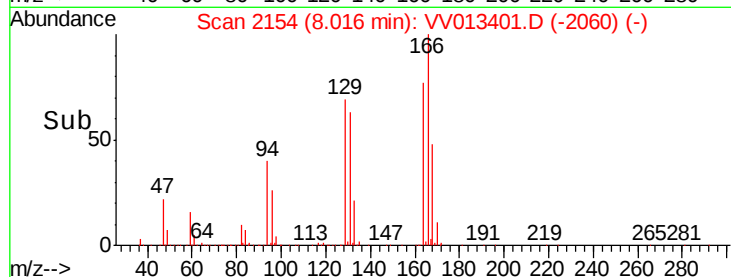
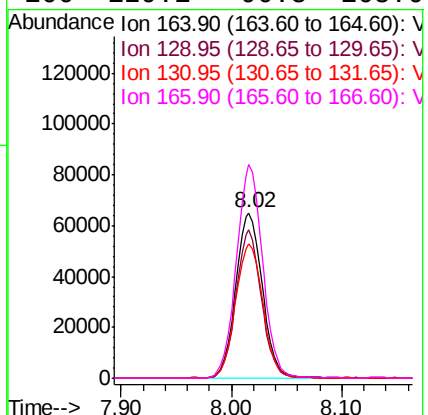
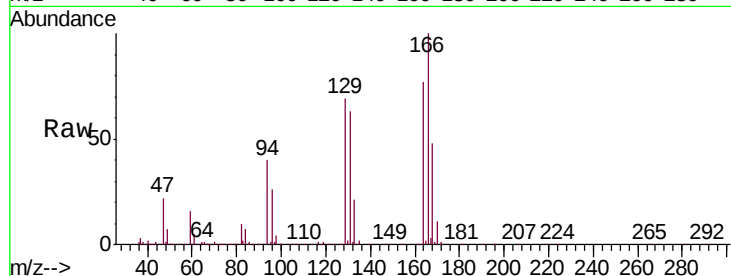




#47
Tetrachloroethene
Concen: 3.468 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

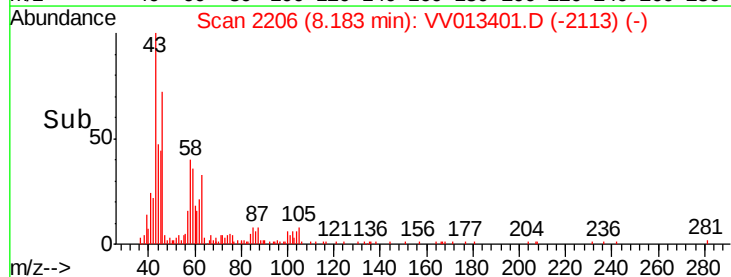
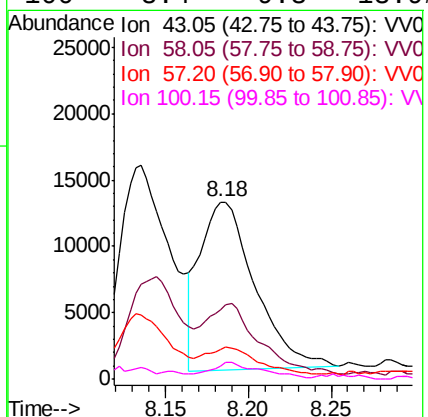
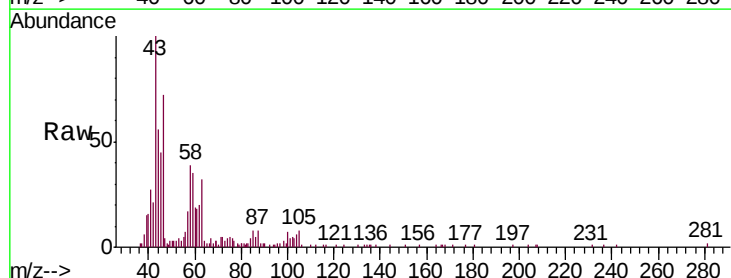
Instrument :
MSVOA_V
ClientSampleId :
GAQD9

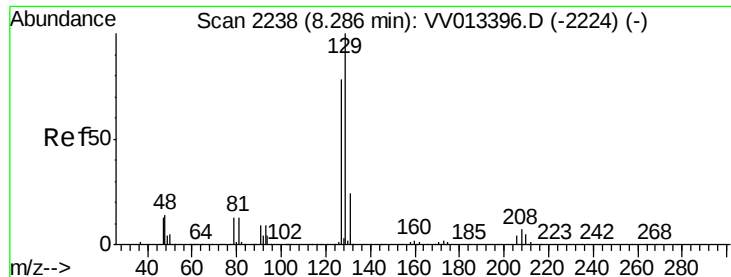
Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.6	63.4	117.8
131	81.5	60.3	112.1
166	129.1	90.8	168.6



#48
2-Hexanone
Concen: 2.145 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.2	43.5	65.3
57	16.0	14.3	21.5
100	8.4	9.3	13.9#





#49

Dibromochloromethane

Concen: 3.170 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

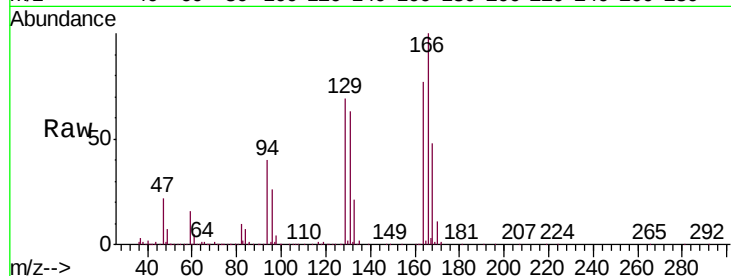
GAQD9

Tgt Ion:129 Resp: 89161

Ion Ratio Lower Upper

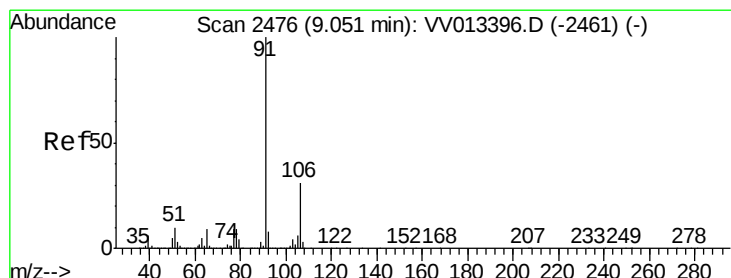
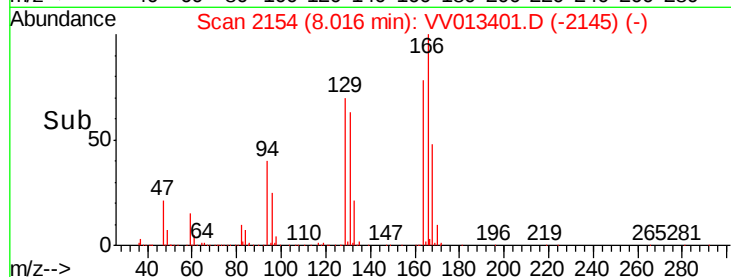
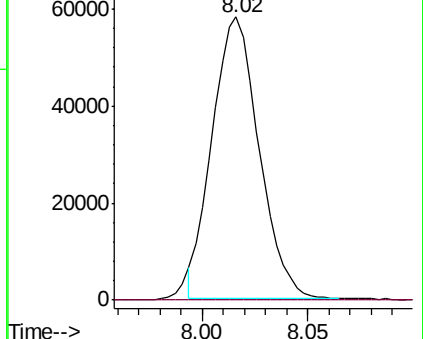
129 100

127 0.3 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: 0.125 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013401.D

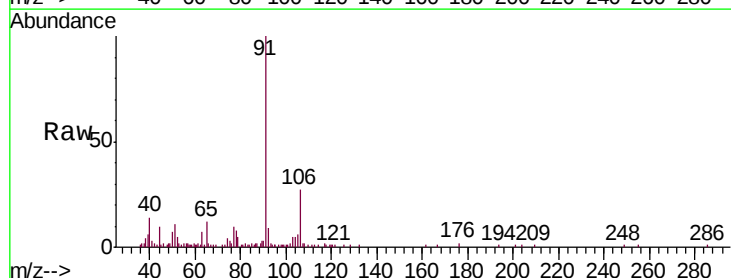
Acq: 29 Oct 2019 17:53

Tgt Ion: 91 Resp: 18698

Ion Ratio Lower Upper

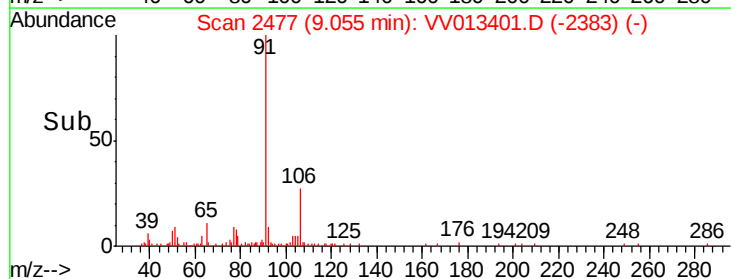
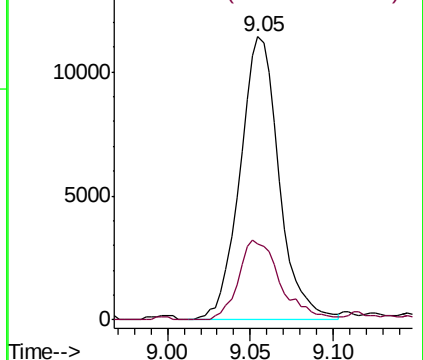
91 100

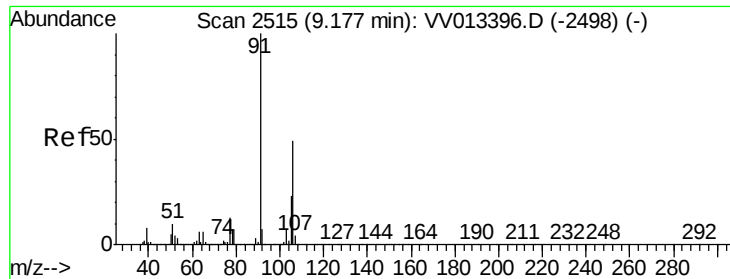
106 27.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.128 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

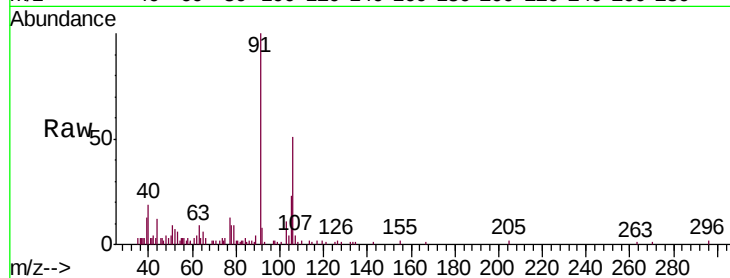
GAQD9

Tgt Ion:106 Resp: 7083

Ion Ratio Lower Upper

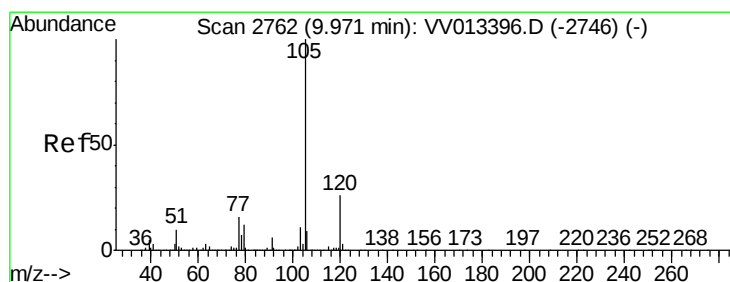
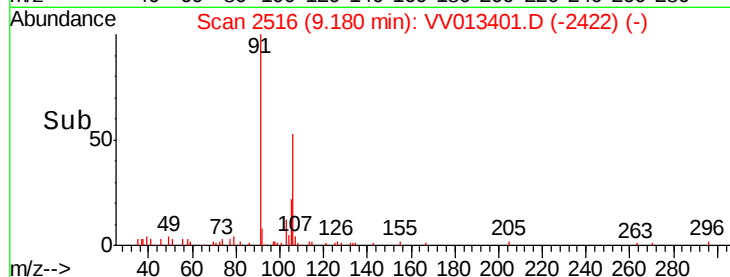
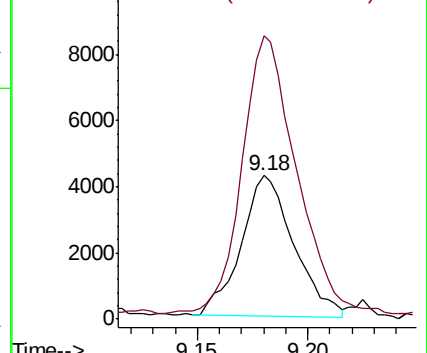
106 100

91 197.3 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.081 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

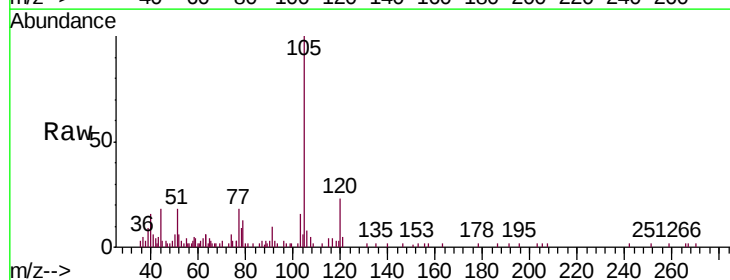
Tgt Ion:105 Resp: 11590

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

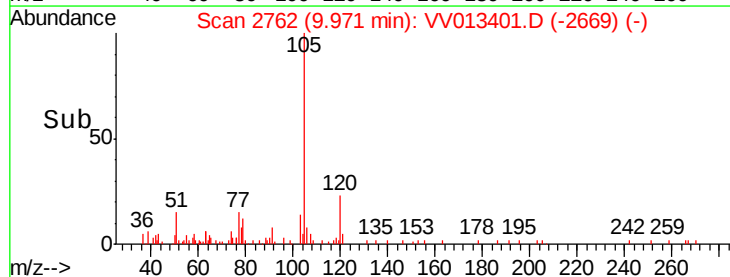
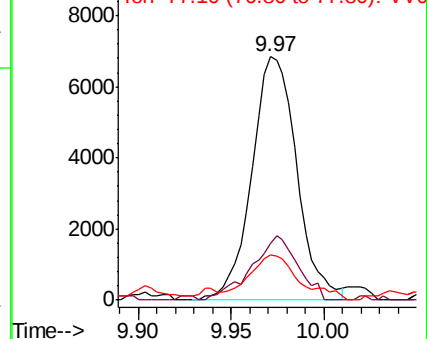
77 20.5 12.9 19.3#

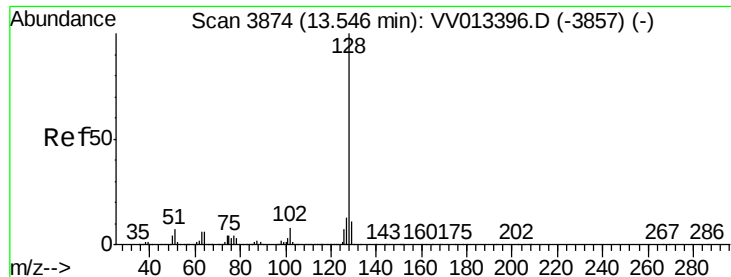


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#69

Naphthalene

Concen: 0.278 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

GAQD9

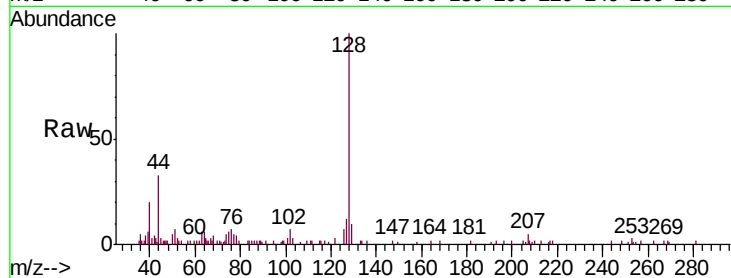
Tgt Ion:128 Resp: 14271

Ion Ratio Lower Upper

128 100

129 12.3 8.7 13.1

127 16.0 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

