

Data File : VV013416.D
Acq On : 30 Oct 2019 00:17
Operator : SY/MD
Sample : K5597-17
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE6

Quant Time: Oct 30 02:57:29 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	370708	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383499	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217182	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143131	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.58	69	123019	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.13	63	193430	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.94	46	385400	48.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.10%
24) Chloroform-d	4.40	84	301314	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	156979	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.10	84	630516	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	200060	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	550535	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	63149	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.13	63	264571	53.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	133946	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	227613	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2370	0.080	ug/L #	17
13) Acetone	2.21	43	9020	2.302	ug/L	85
14) Carbon disulfide	2.32	76	7367	0.086	ug/L #	88
21) 2-Butanone	4.06	43	7179	0.841	ug/L #	71
22) cis-1,2-Dichloroethene	3.96	96	11419	0.300	ug/L #	97
25) Chloroform	4.43	83	10110	0.138	ug/L	97
30) Cyclohexane	4.72	56	32365	0.543	ug/L	98
33) Benzene	5.14	78	75889	0.530	ug/L	100
34) Trichloroethene	5.96	95	45468	1.156	ug/L	95
35) Methylcyclohexane	6.17	83	19888	0.339	ug/L	87
37) 1,2-Dichloropropane	6.12	63	21603	0.596	ug/L #	87
42) Toluene	7.43	91	18395	0.123	ug/L	98
45) 1,1,2-Trichloroethane	8.02	97	56486	2.342	ug/L #	1
47) Tetrachloroethene	8.02	164	7513561	225.416	ug/L	98
48) 2-Hexanone	8.18	43	18792	1.303	ug/L #	83
49) Dibromochloromethane	8.02	129	6456972	216.402	ug/L #	11
52) Ethylbenzene	9.05	91	10910	0.069	ug/L	95

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

Data File : VV013416.D
Acq On : 30 Oct 2019 00:17
Operator : SY/MD
Sample : K5597-17
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE6

Quant Time: Oct 30 02:57:29 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

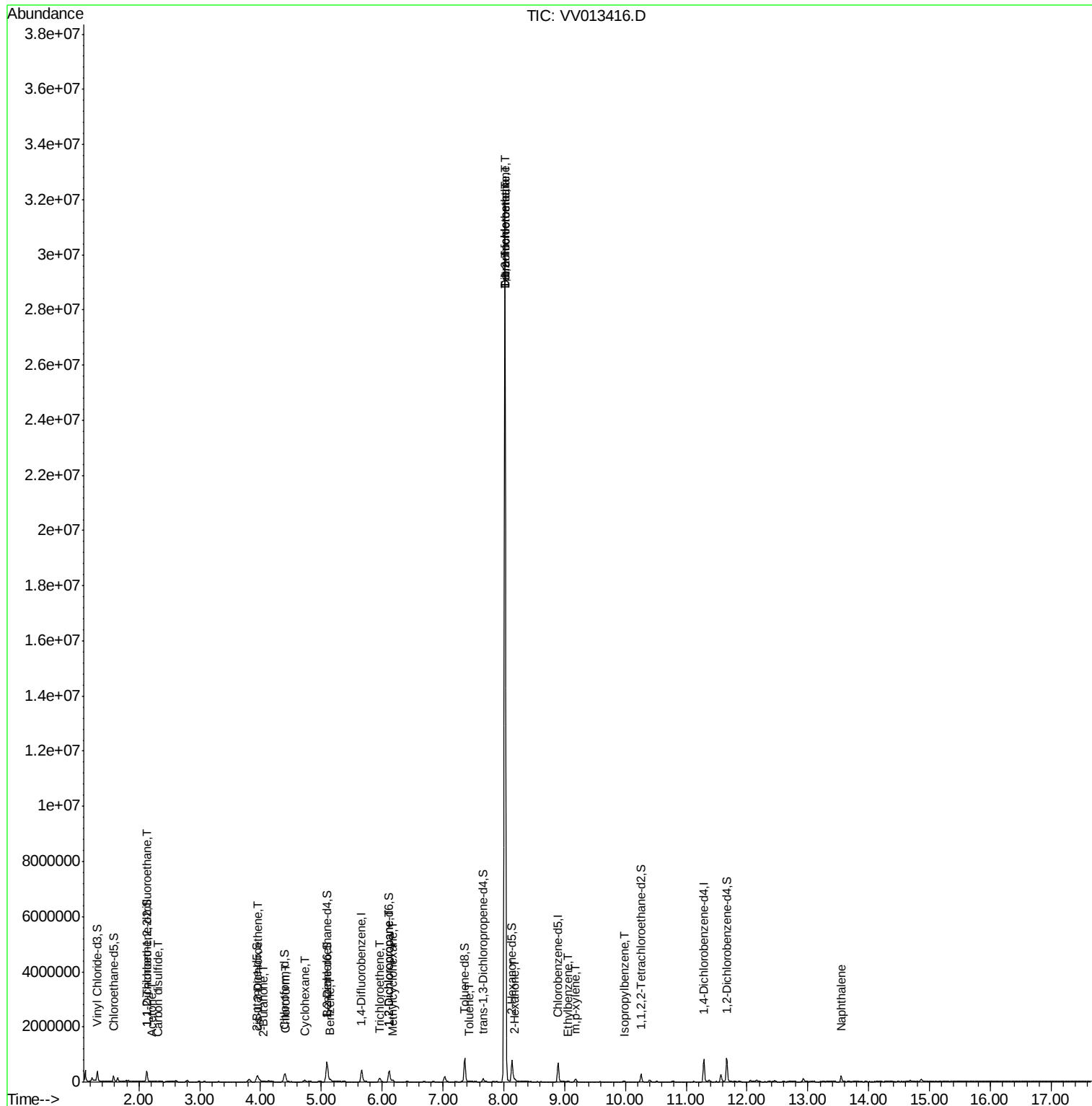
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.18	106	30032	0.513	ug/L	83
56) Isopropylbenzene	9.97	105	15848	0.104	ug/L	96
69) Naphthalene	13.55	128	162978	2.623	ug/L	99

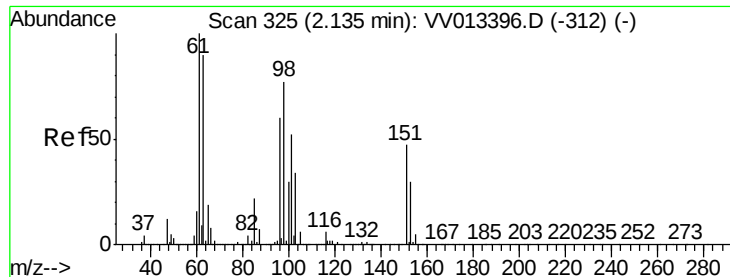
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV013416.D
Acq On : 30 Oct 2019 00:17
Operator : SY/MD
Sample : K5597-17
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE6

Quant Time: Oct 30 02:57:29 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





#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

GAQE6

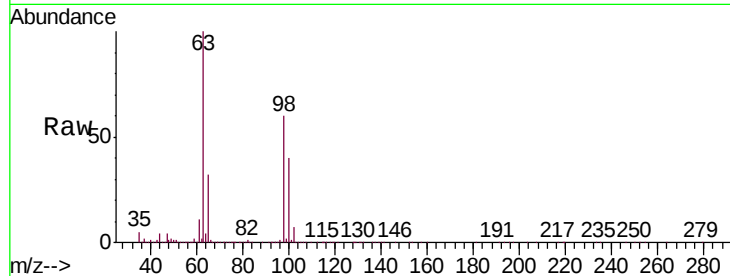
Tgt Ion:101 Resp: 2370

Ion Ratio Lower Upper

101 100

85 0.9 33.0 49.4#

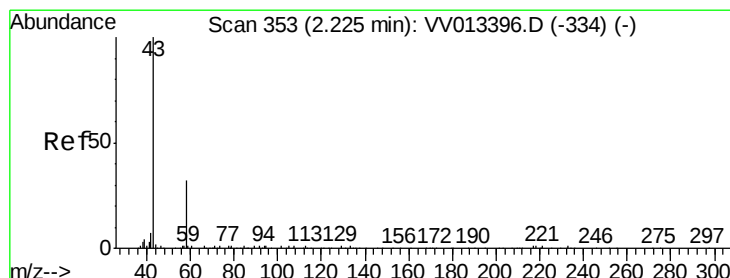
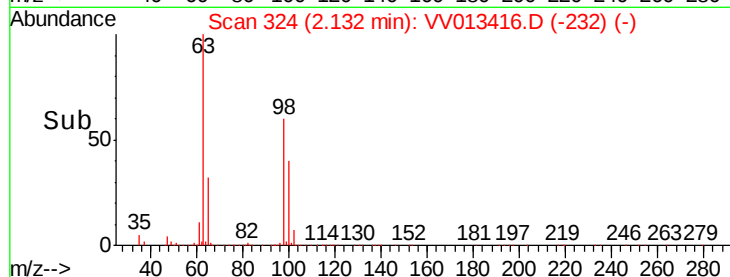
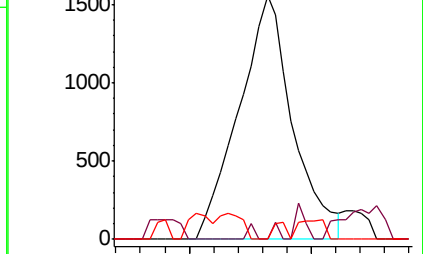
151 1.7 68.2 102.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.302 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV013416.D

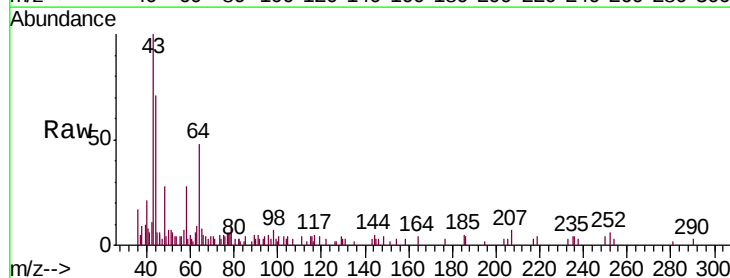
Acq: 30 Oct 2019 00:17

Tgt Ion: 43 Resp: 9020

Ion Ratio Lower Upper

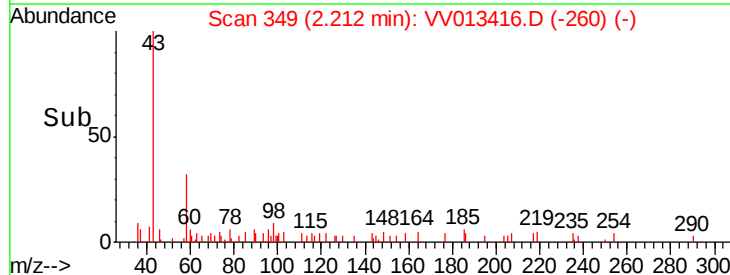
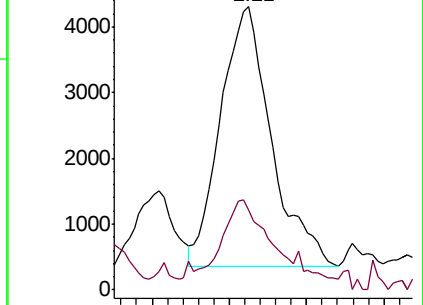
43 100

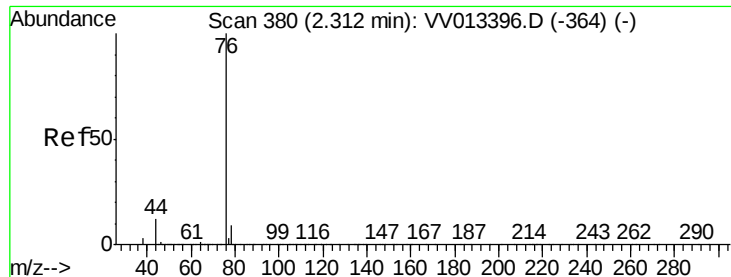
58 37.8 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.086 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

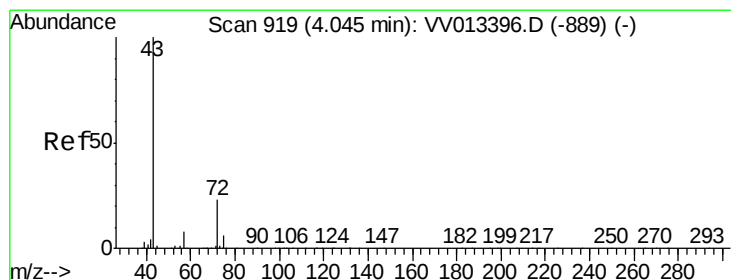
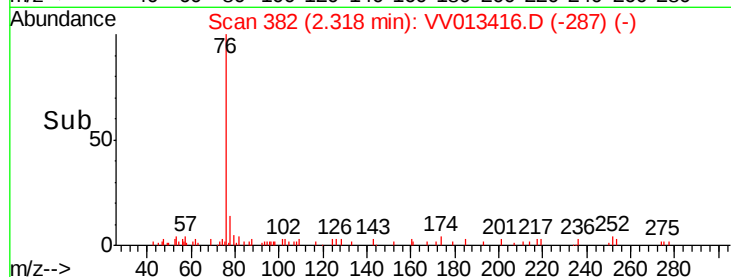
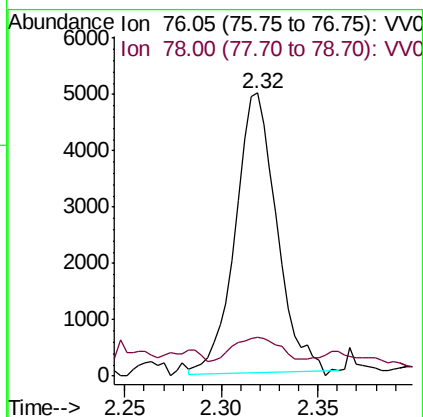
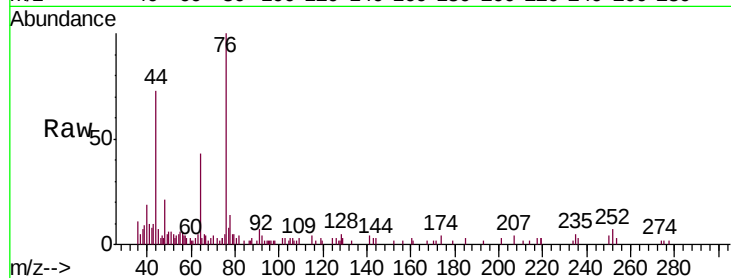
GAQE6

Tgt Ion: 76 Resp: 7367

Ion Ratio Lower Upper

76 100

78 13.7 7.5 11.3#



#21

2-Butanone

Concen: 0.841 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV013416.D

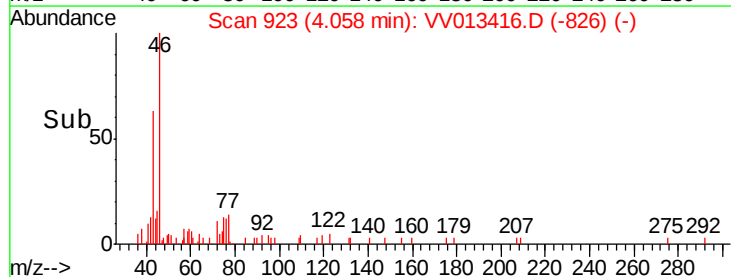
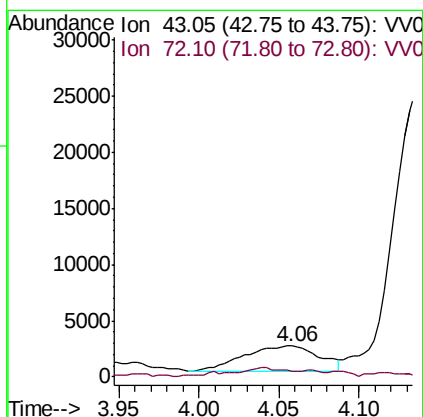
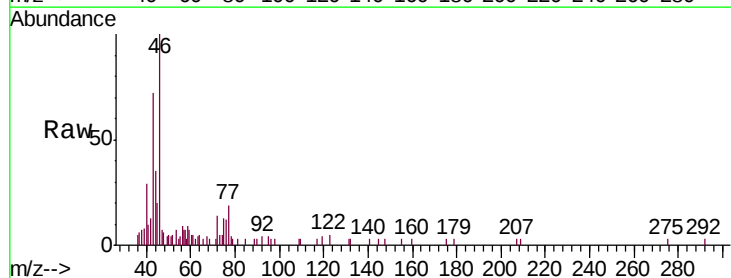
Acq: 30 Oct 2019 00:17

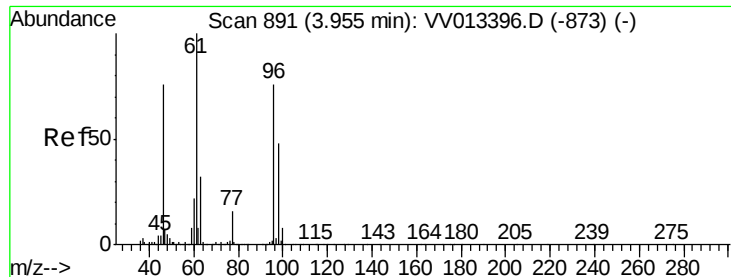
Tgt Ion: 43 Resp: 7179

Ion Ratio Lower Upper

43 100

72 8.7 11.3 33.9#





#22

cis-1,2-Dichloroethene

Concen: 0.300 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

GAQE6

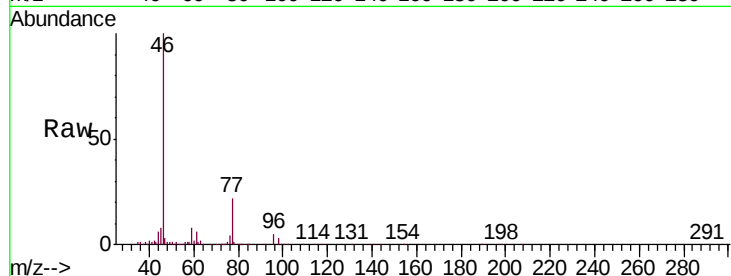
Tgt Ion: 96 Resp: 11419

Ion Ratio Lower Upper

96 100

61 132.0 89.9 167.0

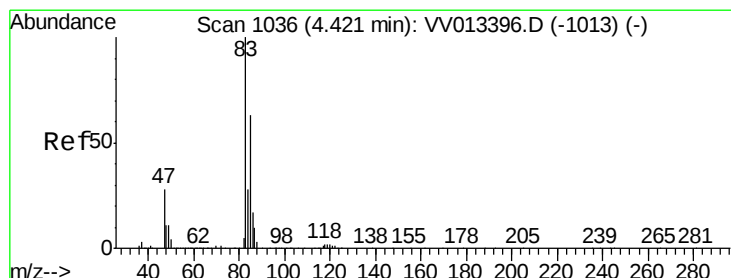
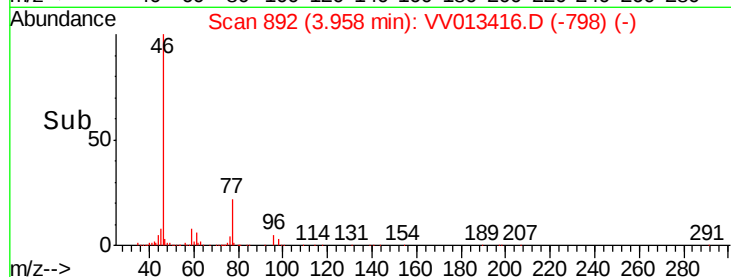
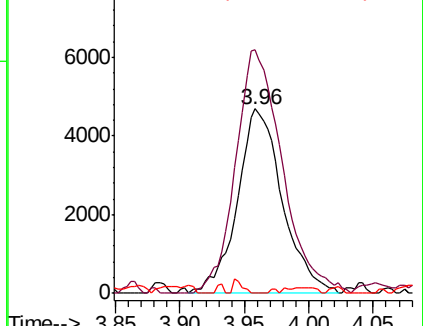
68 0.0 0.1 0.3#



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: 0.138 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV013416.D

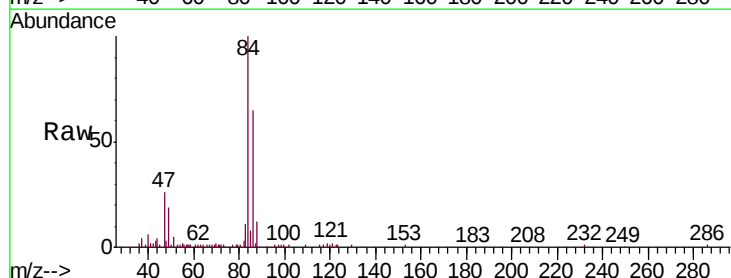
Acq: 30 Oct 2019 00:17

Tgt Ion: 83 Resp: 10110

Ion Ratio Lower Upper

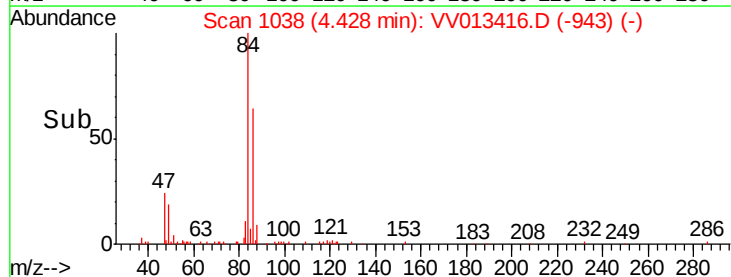
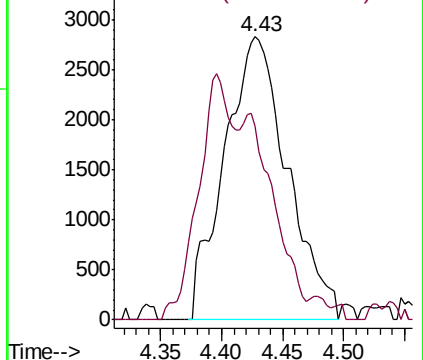
83 100

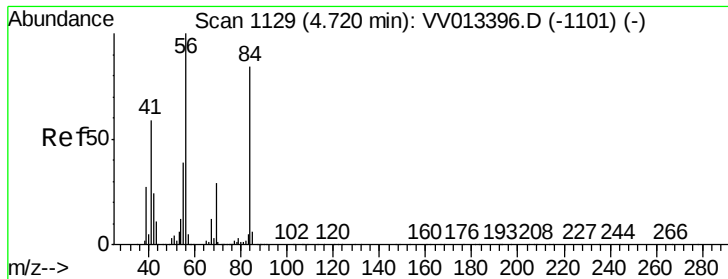
85 68.6 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

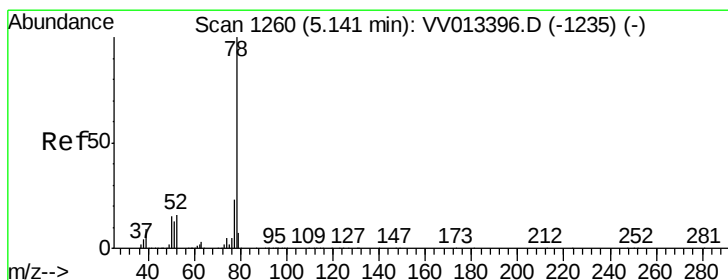
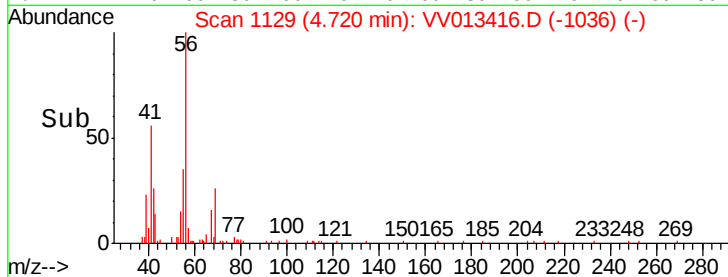
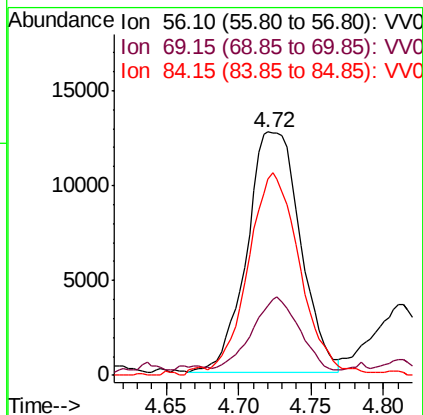
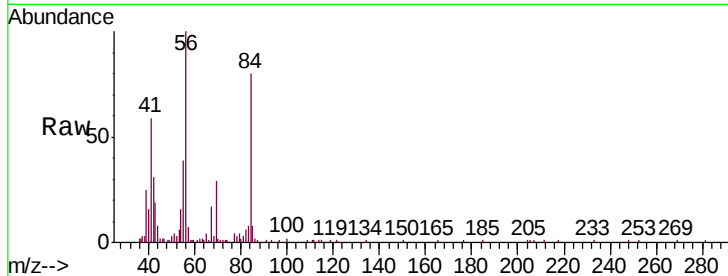




#30
Cyclohexane
Concen: 0.543 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

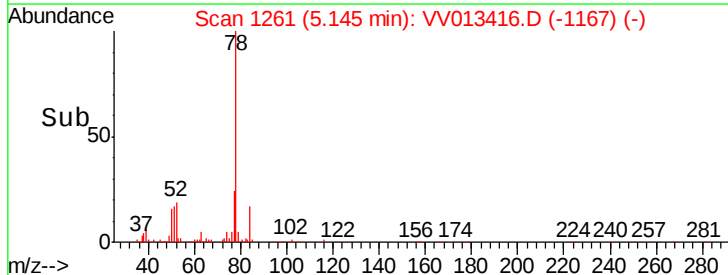
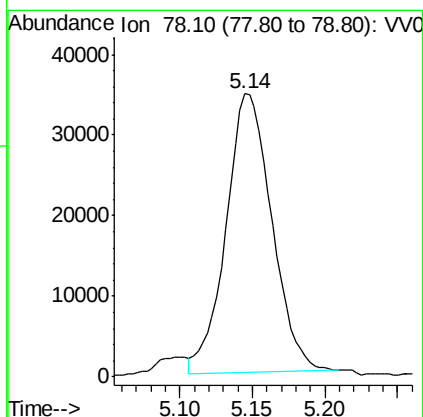
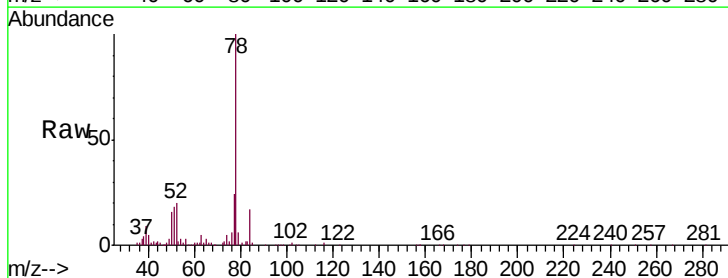
Instrument :
MSVOA_V
ClientSampleId :
GAQE6

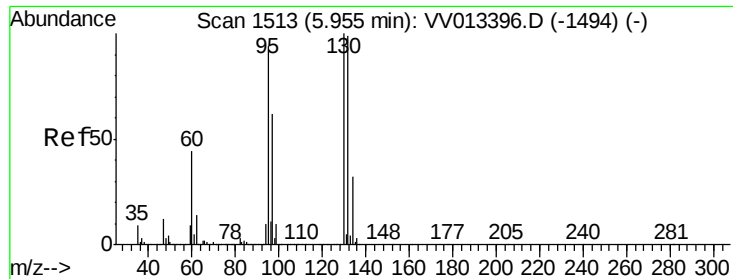
Tgt Ion: 56 Resp: 32365
Ion Ratio Lower Upper
56 100
69 26.5 22.7 34.1
84 82.9 65.5 98.3



#33
Benzene
Concen: 0.530 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

Tgt Ion: 78 Resp: 75889





#34

Trichloroethene

Concen: 1.156 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

GAQE6

Tgt Ion: 95 Resp: 45468

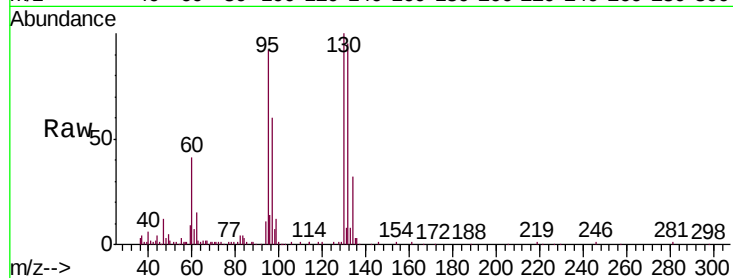
Ion Ratio Lower Upper

95 100

97 64.9 43.9 81.5

132 103.5 68.7 127.7

130 108.7 72.1 133.9

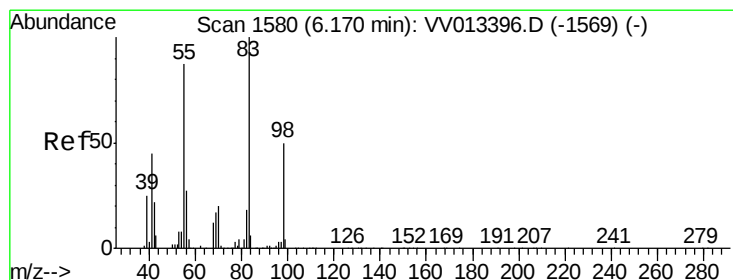
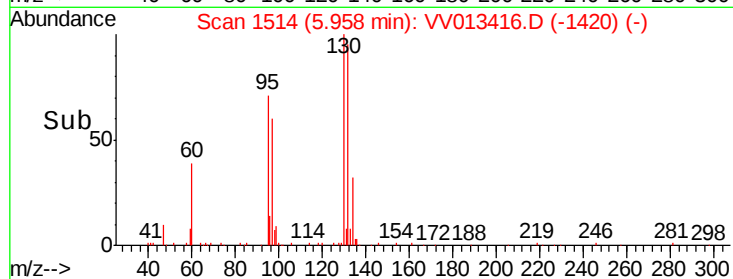
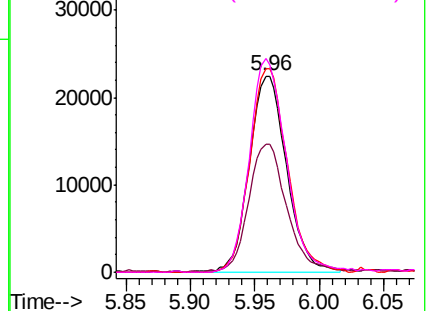


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.339 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

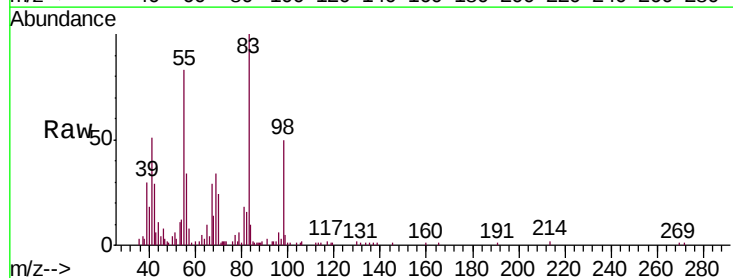
Tgt Ion: 83 Resp: 19888

Ion Ratio Lower Upper

83 100

55 98.5 66.0 99.0

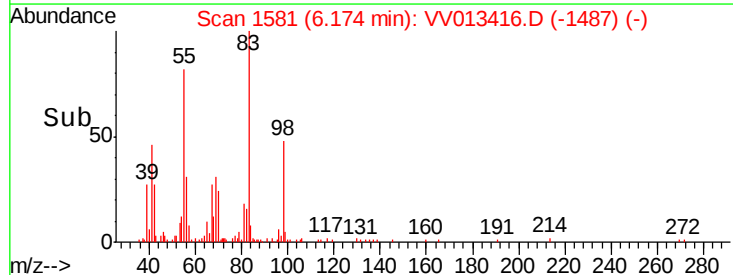
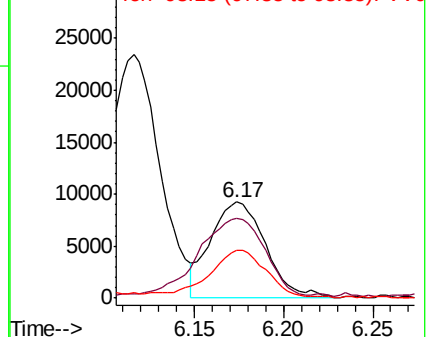
98 51.2 38.2 57.4

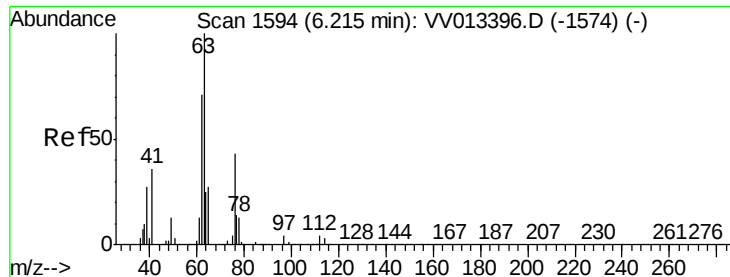


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.596 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

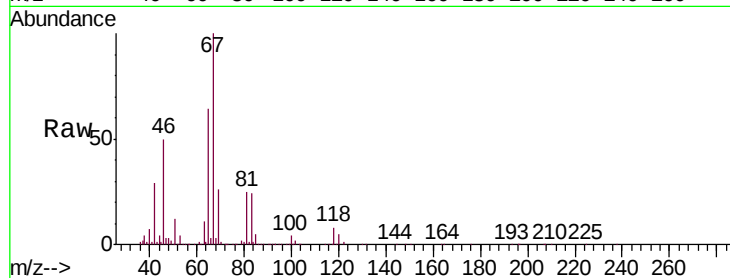
GAQE6

Tgt Ion: 63 Resp: 21603

Ion Ratio Lower Upper

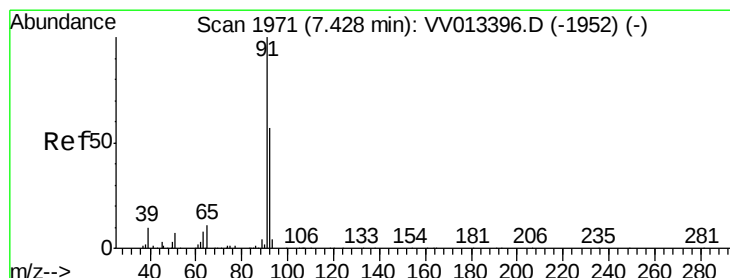
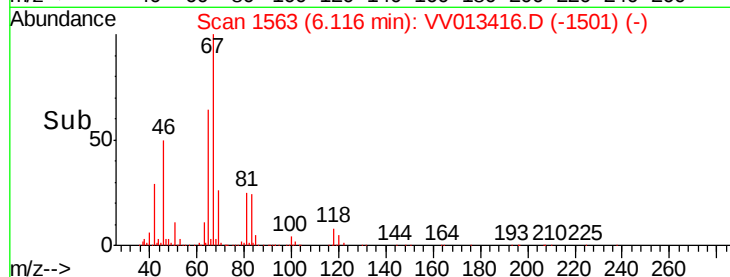
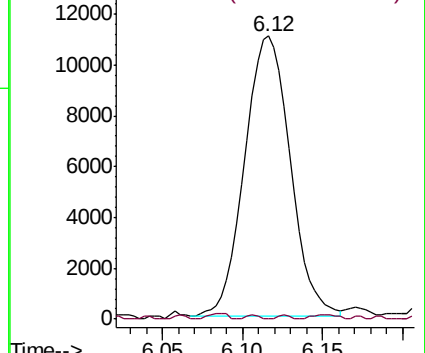
63 100

112 0.4 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): VV0



#42

Toluene

Concen: 0.123 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013416.D

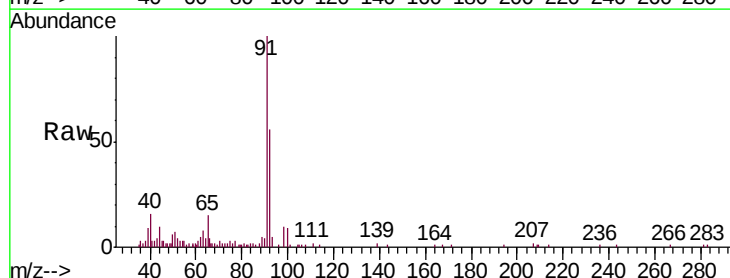
Acq: 30 Oct 2019 00:17

Tgt Ion: 91 Resp: 18395

Ion Ratio Lower Upper

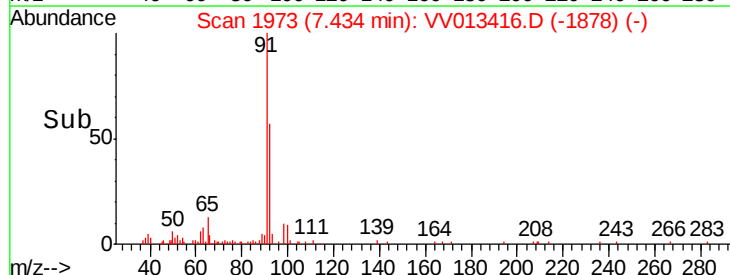
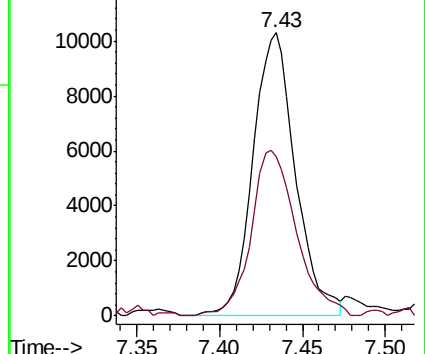
91 100

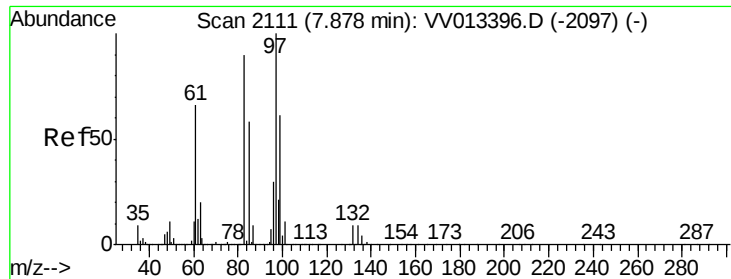
92 56.1 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

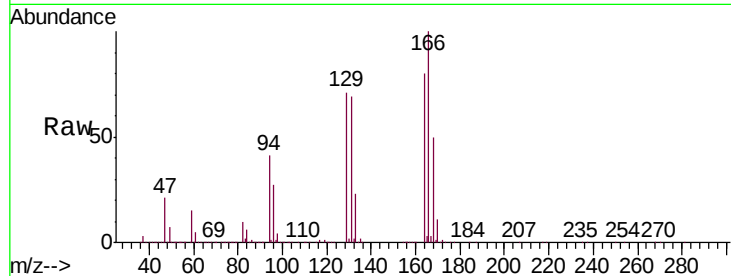




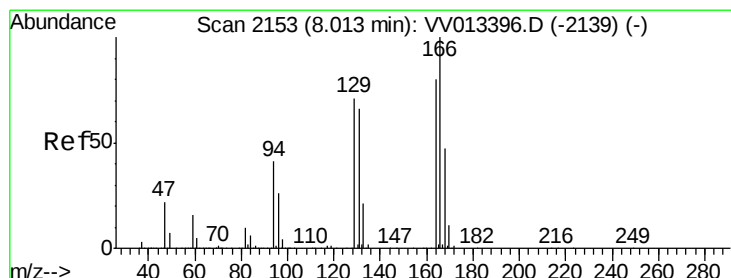
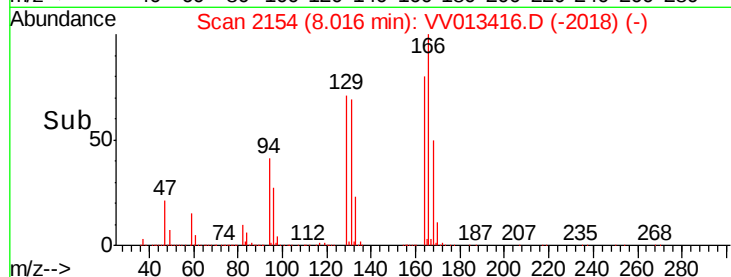
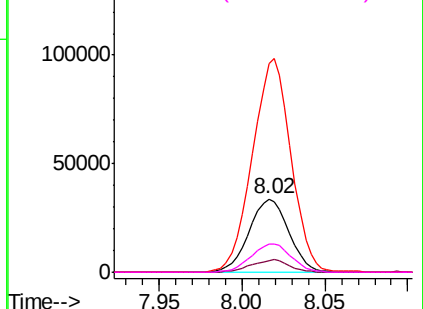
#45
1,1,2-Trichloroethane
Concen: 2.342 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.14 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

Instrument :
MSVOA_V
ClientSampleId :
GAQE6

Tgt Ion: 97 Resp: 56486
Ion Ratio Lower Upper
97 100
99 16.5 41.6 77.3#
83 285.4 58.7 109.1#
85 38.4 37.5 69.7



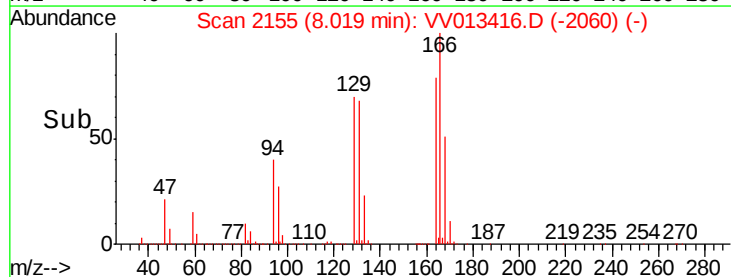
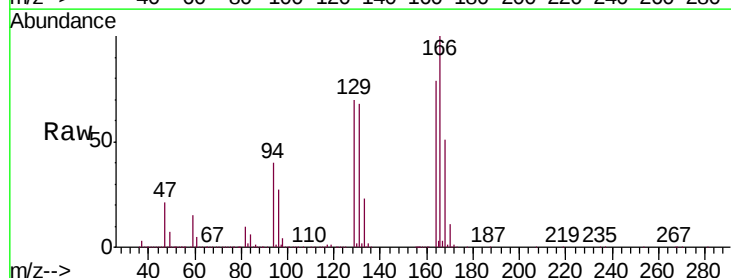
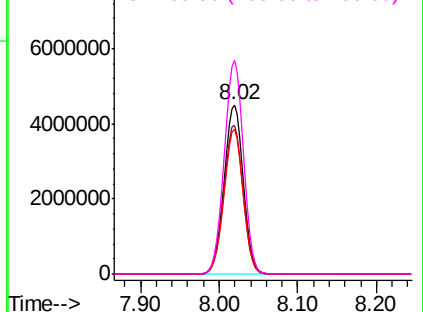
Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

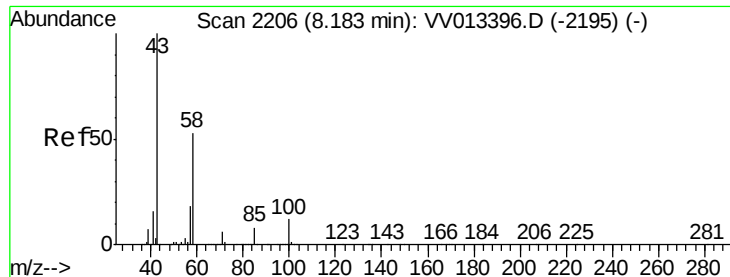


#47
Tetrachloroethene
Concen: 225.416 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.01 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

Tgt Ion: 164 Resp: 7513561
Ion Ratio Lower Upper
164 100
129 88.0 63.4 117.8
131 85.8 60.3 112.1
166 126.2 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

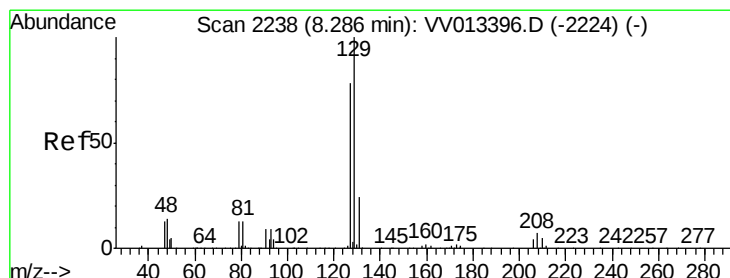
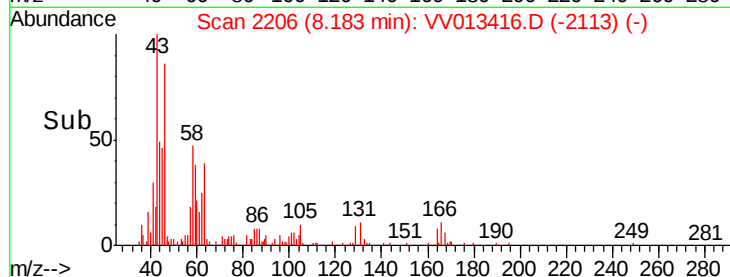
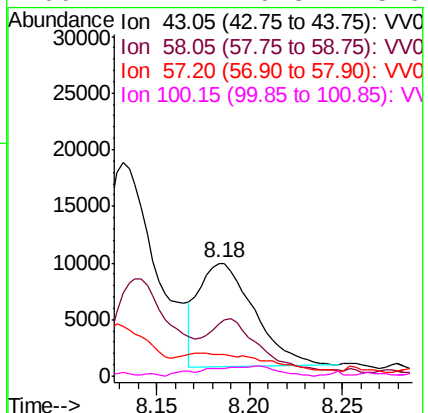
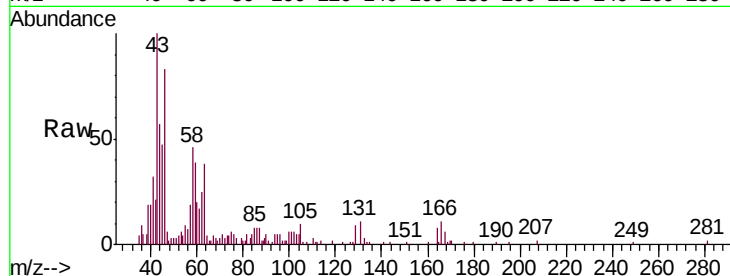




#48
2-Hexanone
Concen: 1.303 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

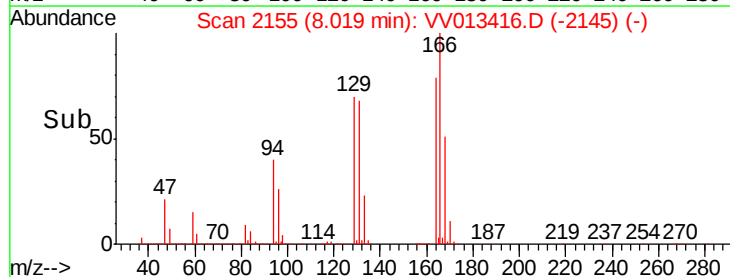
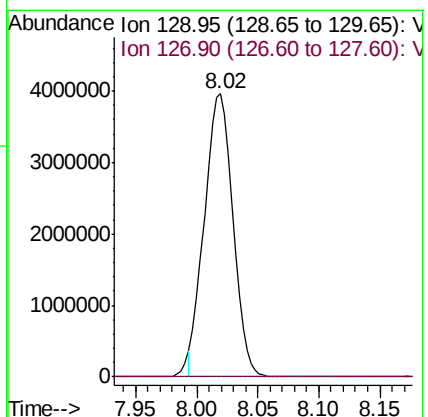
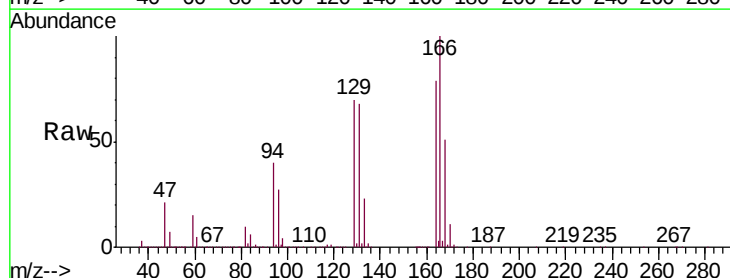
Instrument :
MSVOA_V
ClientSampleId :
GAQE6

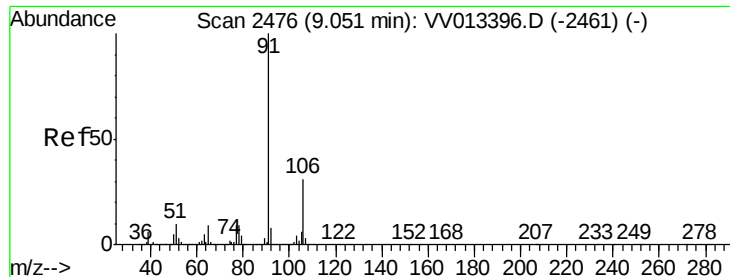
Tgt Ion: 43 Resp: 18792
Ion Ratio Lower Upper
43 100
58 46.6 43.5 65.3
57 34.0 14.3 21.5#
100 4.4 9.3 13.9#



#49
Dibromochloromethane
Concen: 216.402 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

Tgt Ion: 129 Resp: 6456972
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#





#52

Ethylbenzene

Concen: 0.069 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

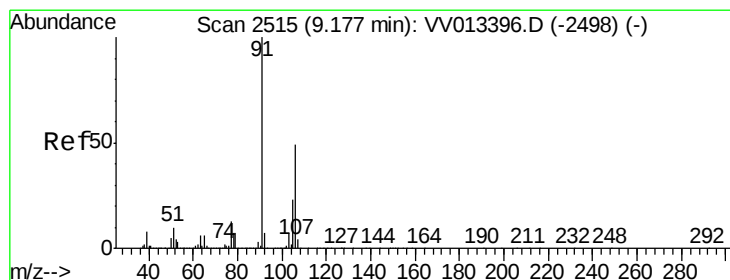
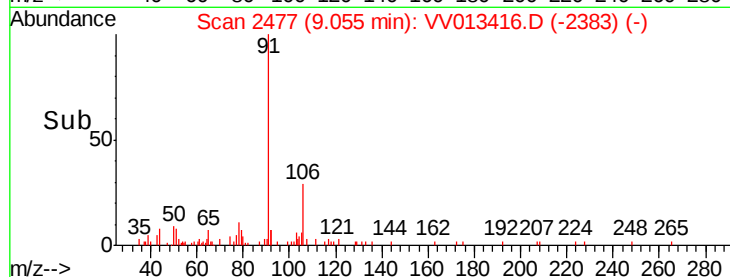
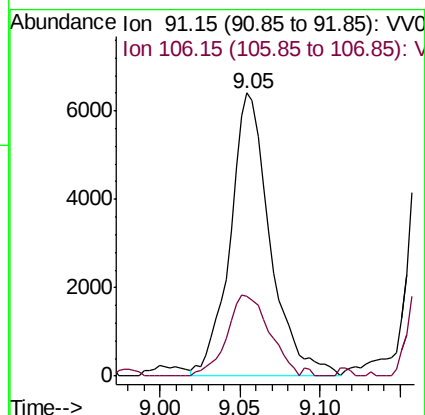
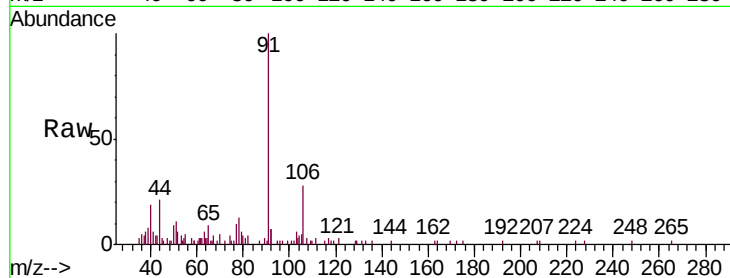
GAQE6

Tgt Ion: 91 Resp: 10910

Ion Ratio Lower Upper

91 100

106 28.0 21.5 39.9



#53

m,p-xylene

Concen: 0.513 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013416.D

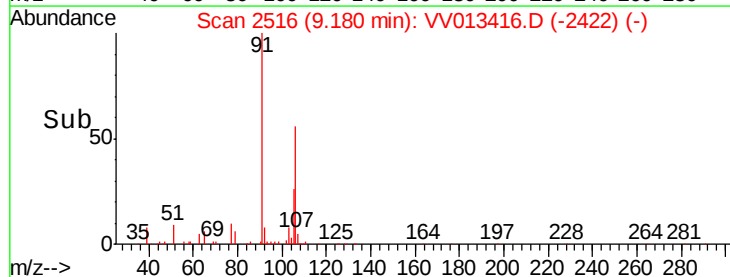
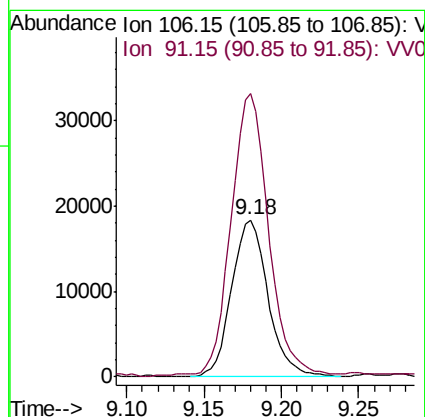
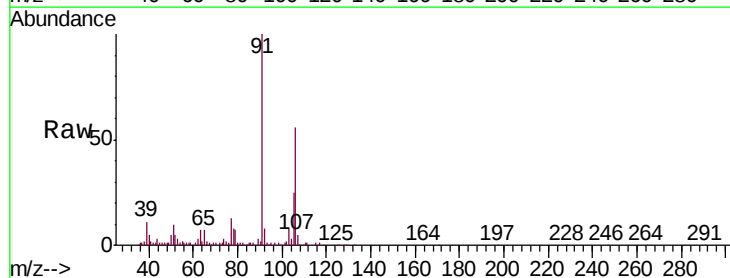
Acq: 30 Oct 2019 00:17

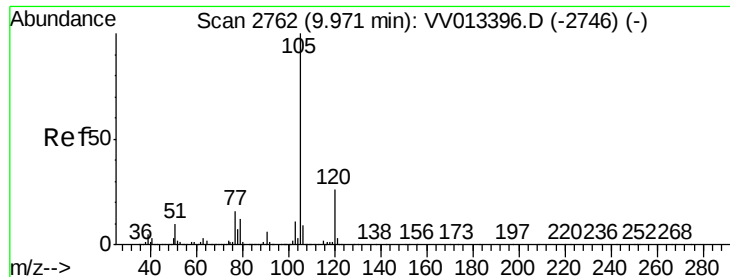
Tgt Ion: 106 Resp: 30032

Ion Ratio Lower Upper

106 100

91 180.1 144.3 267.9





#56

Isopropylbenzene

Concen: 0.104 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

GAQE6

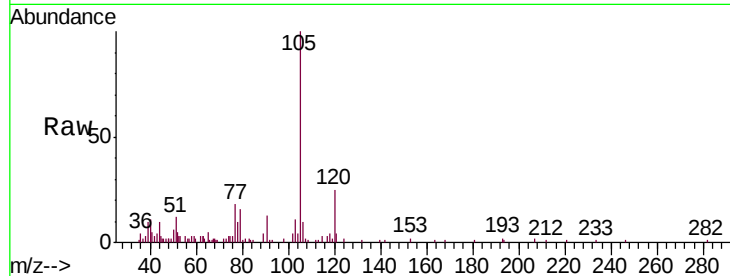
Tgt Ion:105 Resp: 15848

Ion Ratio Lower Upper

105 100

120 28.6 21.0 31.6

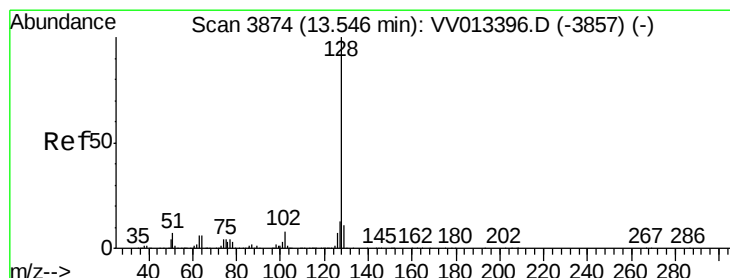
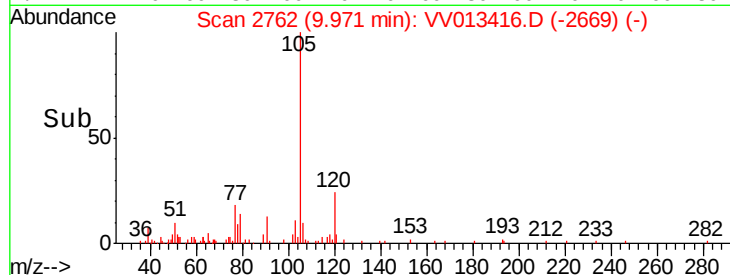
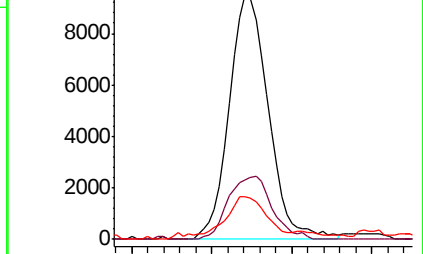
77 17.6 12.9 19.3



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: 2.623 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

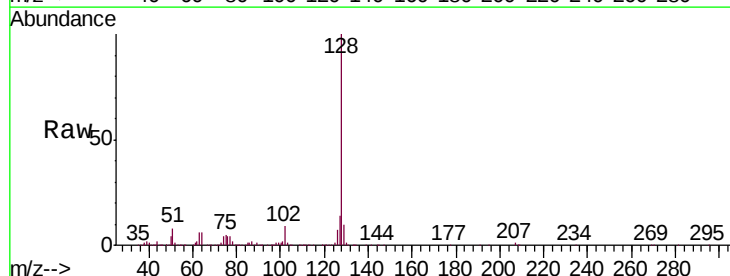
Tgt Ion:128 Resp: 162978

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 13.6 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

