

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013409.D
 Acq On : 29 Oct 2019 21:29
 Operator : SY/MD
 Sample : K5597-07
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD8

Quant Time: Oct 30 03:38:52 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	374675	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	394204	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	218817	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	152730	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.58	69	131164	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.13	63	199025	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.95	46	419320	51.73	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	4.40	84	315889	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	164161	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.10	84	659875	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.12	67	210057	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	566499	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	69427	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.13	63	257003	50.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	141418	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	230838	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

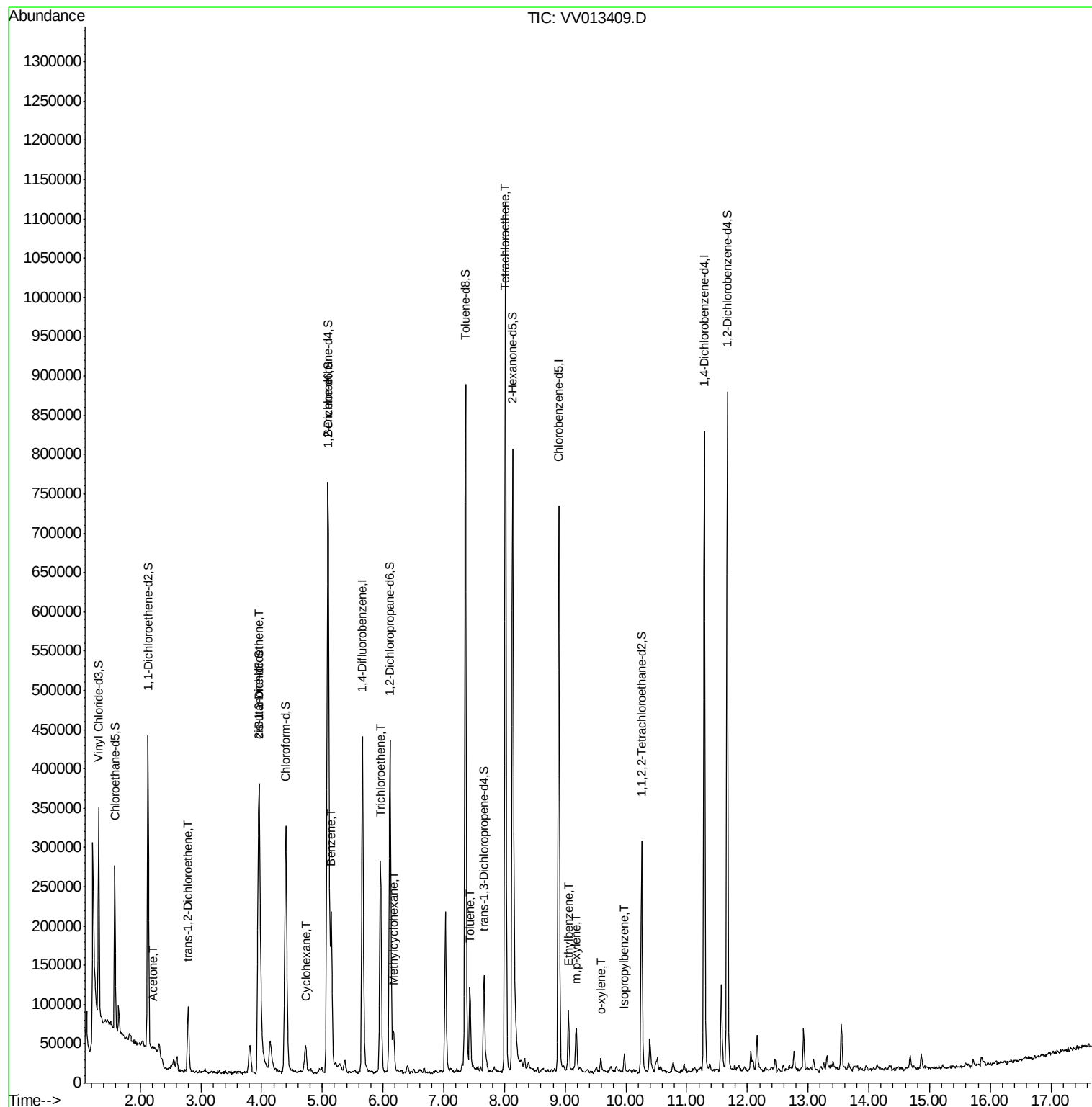
					Ovalue
13) Acetone	2.21	43	7021	1.773 ug/L	83
18) trans-1,2-Dichloroethene	2.79	96	26554	0.696 ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	107206	2.786 ug/L #	97
30) Cyclohexane	4.72	56	18353	0.299 ug/L	94
33) Benzene	5.15	78	201666	1.369 ug/L	100
34) Trichloroethene	5.96	95	92356	2.284 ug/L	97
35) Methylcyclohexane	6.17	83	18931	0.314 ug/L	92
42) Toluene	7.43	91	75383	0.491 ug/L	100
47) Tetrachloroethene	8.02	164	259200	7.565 ug/L	97
52) Ethylbenzene	9.05	91	52225	0.321 ug/L	97
53) m,p-xylene	9.18	106	16408	0.273 ug/L	97
54) o-xylene	9.59	106	4933	0.085 ug/L	96
56) Isopropylbenzene	9.97	105	14484	0.092 ug/L #	95

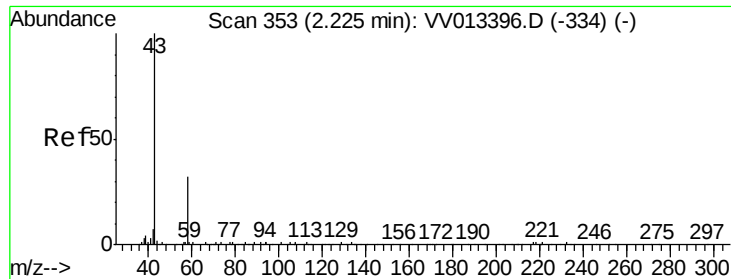
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.773 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

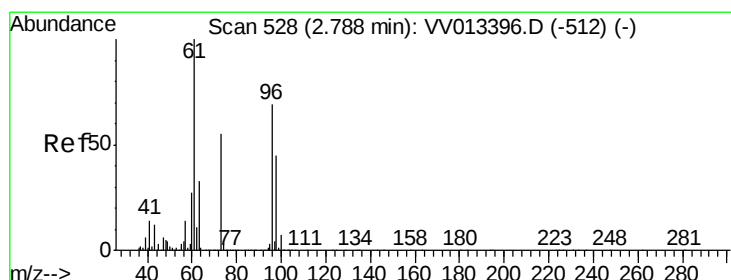
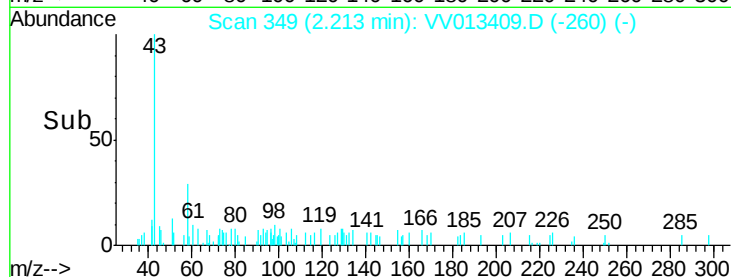
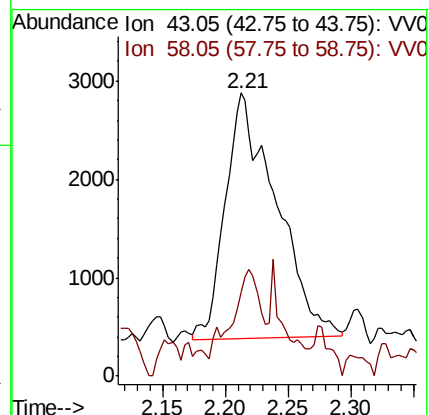
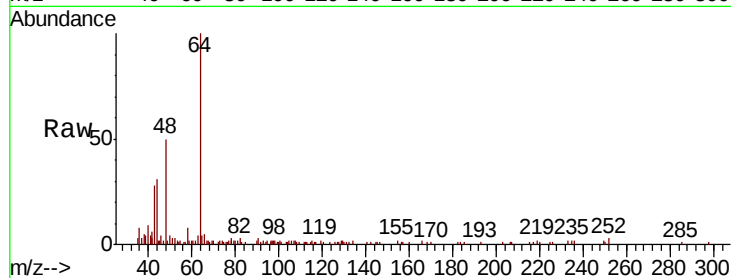
GAQD8

Tot Ion: 43 Resp: 7021

Ion Ratio Lower Upper

43 100

58 20.3 0.0 59.0



#18

trans-1,2-Dichloroethene

Concen: 0.696 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

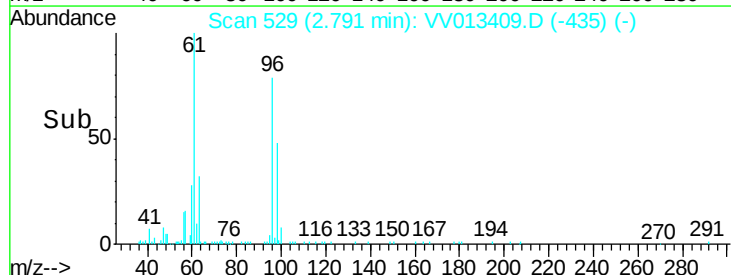
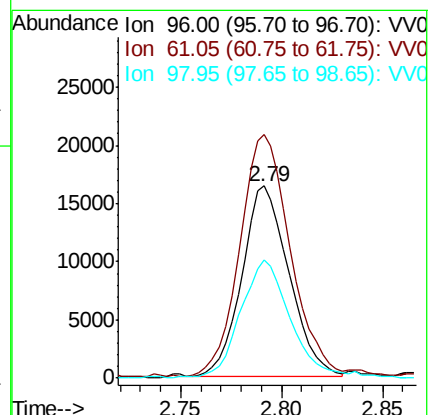
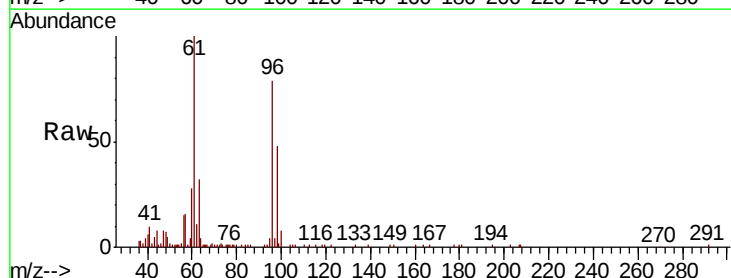
Tgt Ion: 96 Resp: 26554

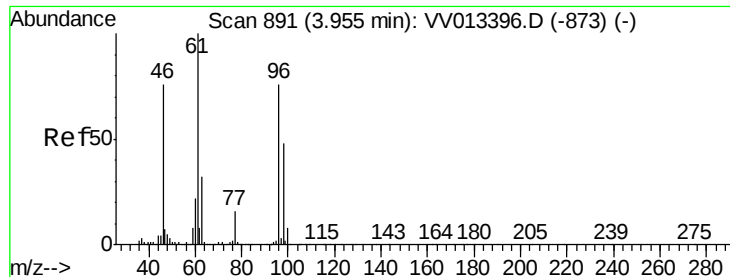
Ion Ratio Lower Upper

96 100

61 126.9 100.1 185.9

98 61.3 44.2 82.0



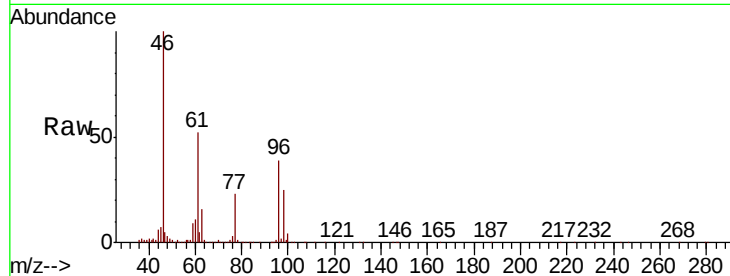


#22

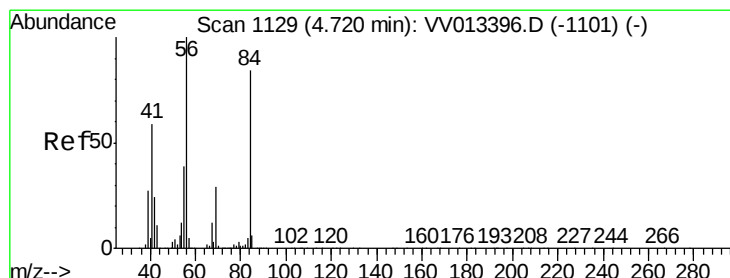
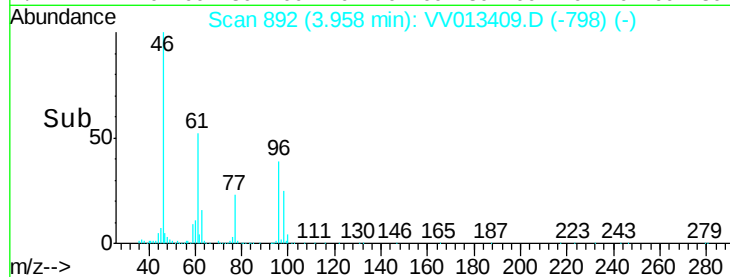
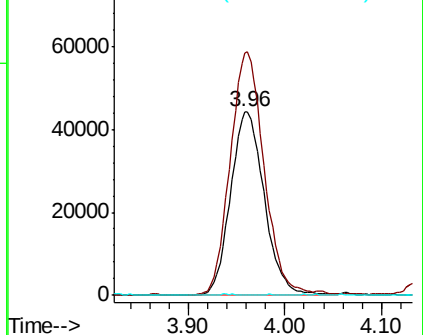
cis-1,2-Dichloroethene
 Concen: 2.786 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013409.D
 Acq: 29 Oct 2019 21:29

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD8

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	89.9	167.0
68	0.3	0.1	0.3#



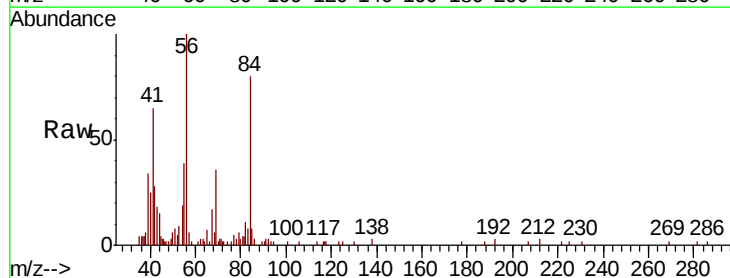
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



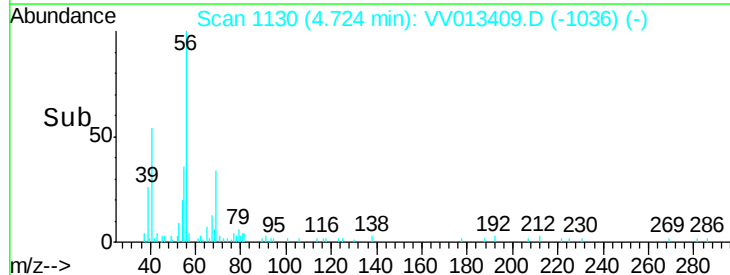
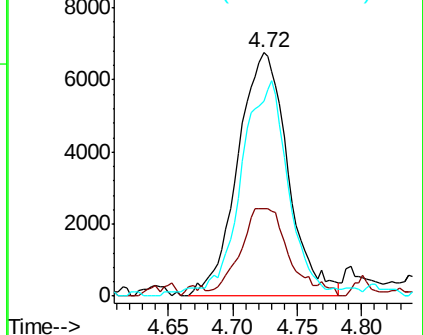
#30

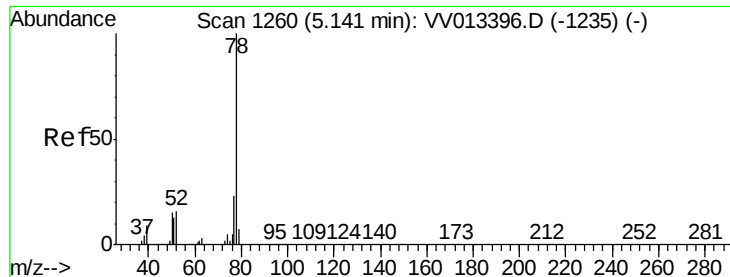
Cyclohexane
 Concen: 0.299 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013409.D
 Acq: 29 Oct 2019 21:29

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.7	34.1
84	75.5	65.5	98.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#33

Benzene

Concen: 1.369 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

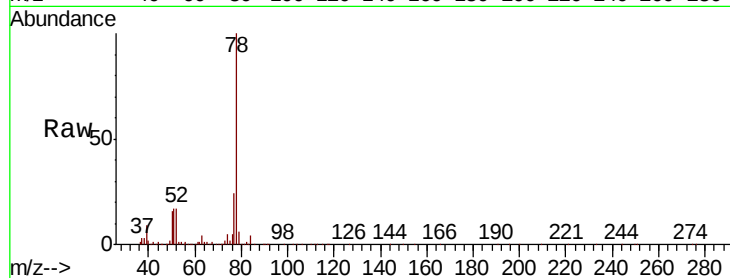
Instrument :

MSVOA_V

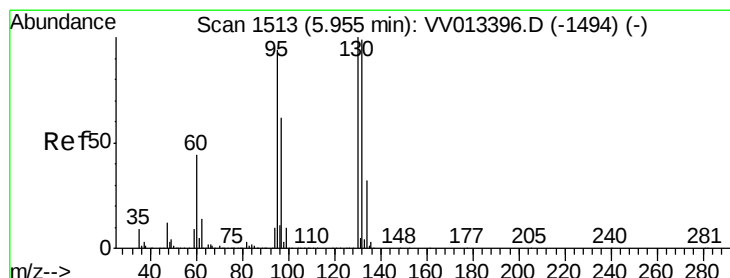
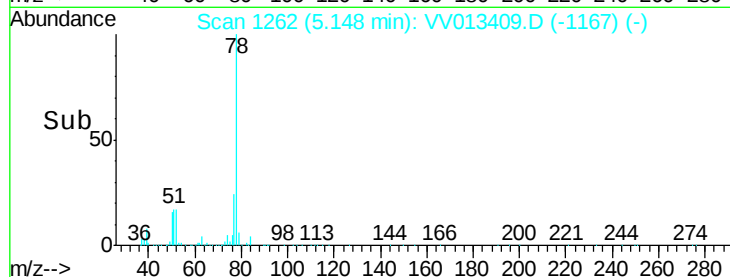
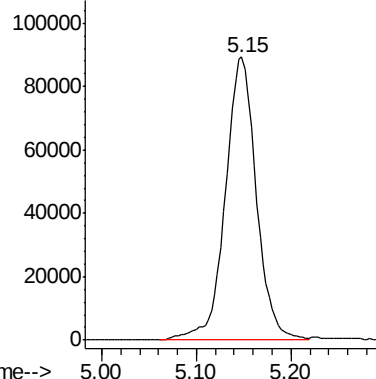
ClientSampleId :

GAQD8

Tgt Ion: 78 Resp: 201666



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 2.284 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

Tgt Ion: 95 Resp: 92356

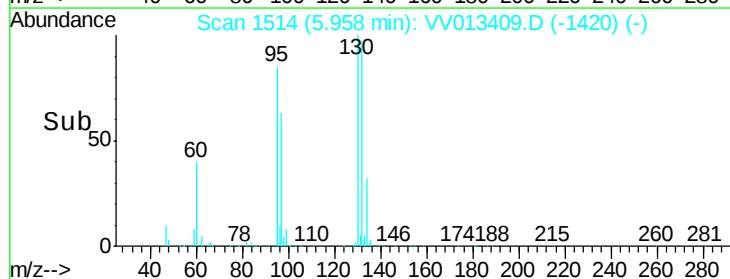
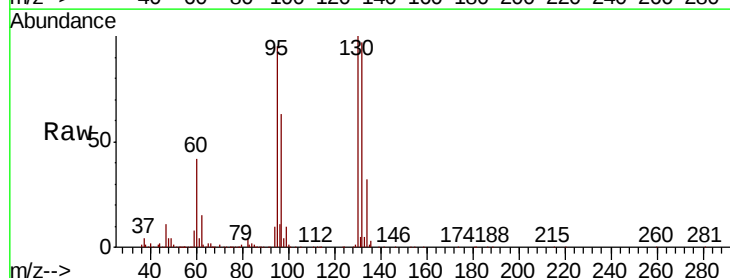
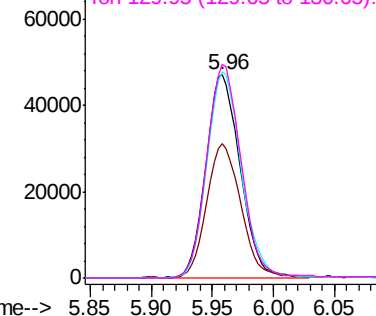
Ion	Ratio	Lower	Upper
95	100		
97	66.2	43.9	81.5
132	101.6	68.7	127.7
130	105.0	72.1	133.9

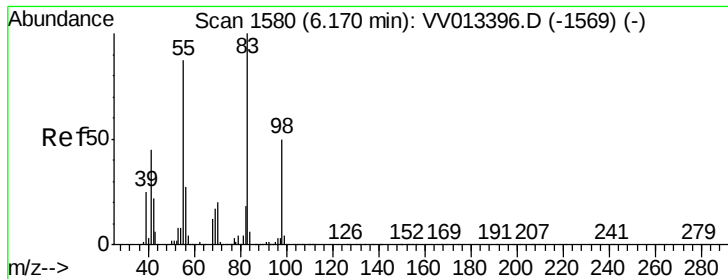
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

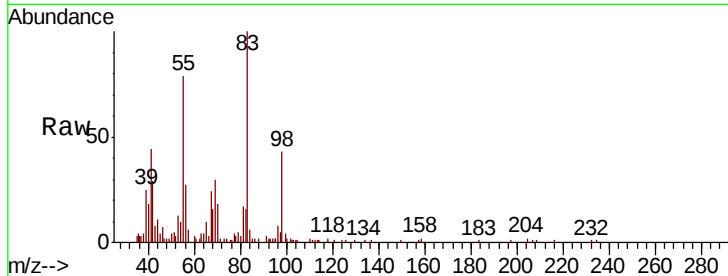




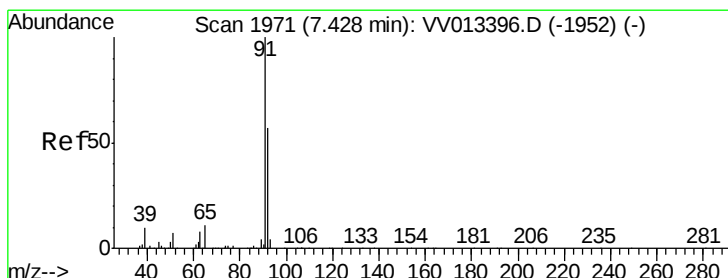
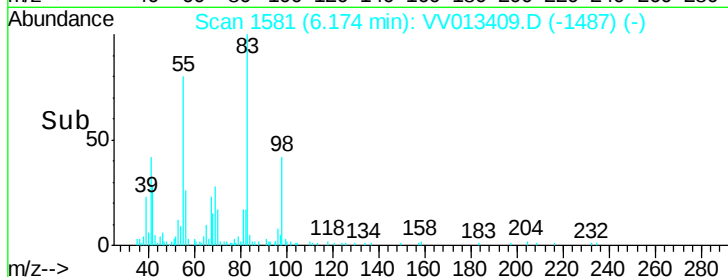
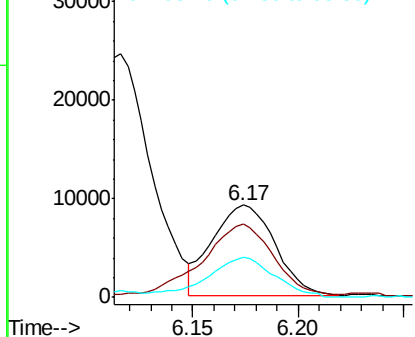
#35
Methvlcvclohexane
Concen: 0.314 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013409.D
Acq: 29 Oct 2019 21:29

Instrument :
MSVOA_V
ClientSampleId :
GAQD8

Tot Ion: 83 Resp: 18931
Ion Ratio Lower Upper
83 100
55 93.4 66.0 99.0
98 47.8 38.2 57.4

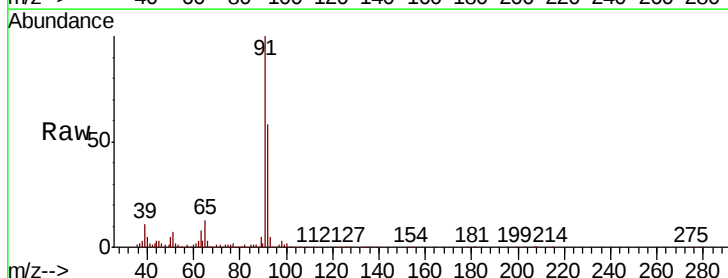


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

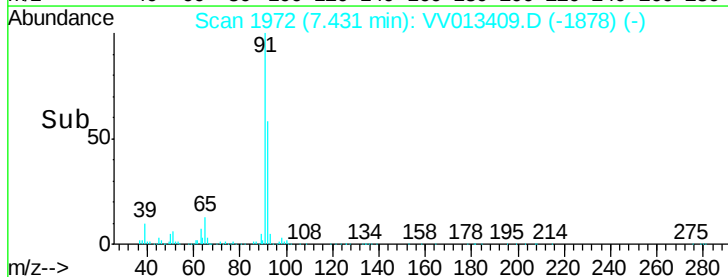
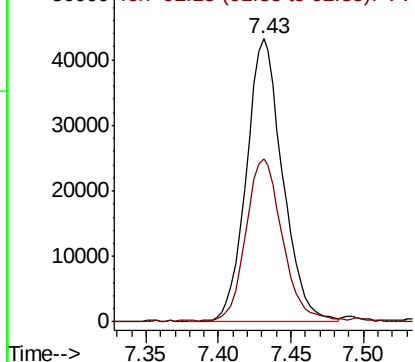


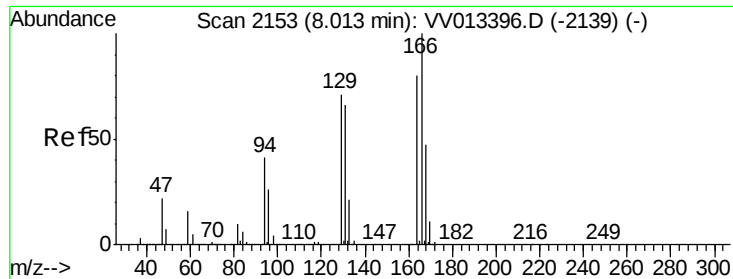
#42
Toluene
Concen: 0.491 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013409.D
Acq: 29 Oct 2019 21:29

Tgt Ion: 91 Resp: 75383
Ion Ratio Lower Upper
91 100
92 57.7 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 7.565 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

GAQD8

Tot Ion:164 Resp: 259200

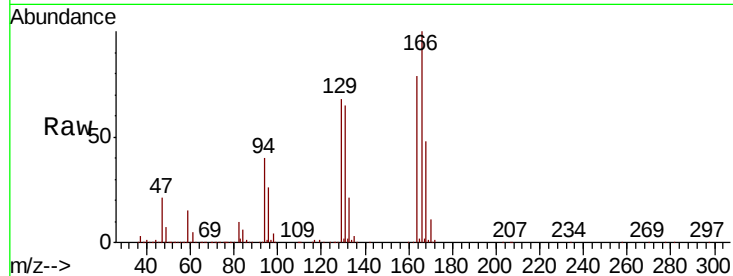
Ion Ratio Lower Upper

164 100

129 86.1 63.4 117.8

131 82.7 60.3 112.1

166 126.9 90.8 168.6

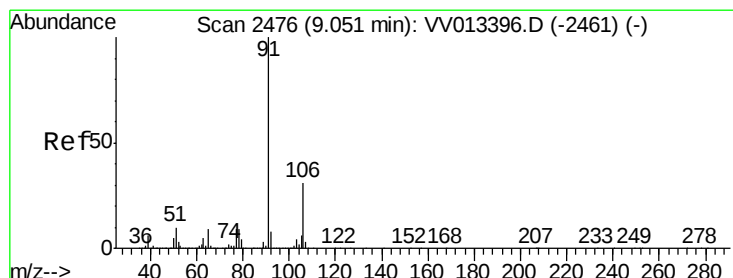
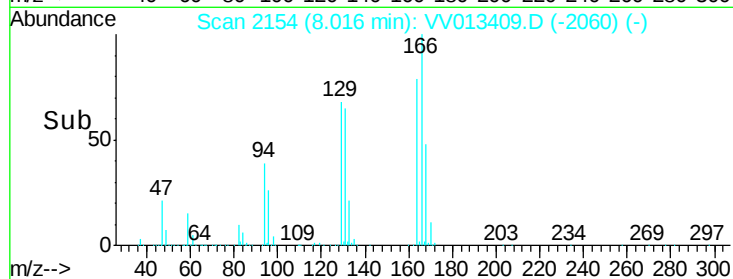
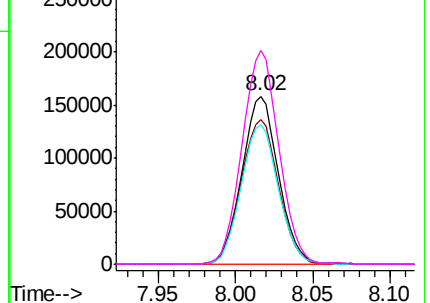


Abundance Ion 163.90 (163.60 to 164.60): V

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



#52

Ethylbenzene

Concen: 0.321 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013409.D

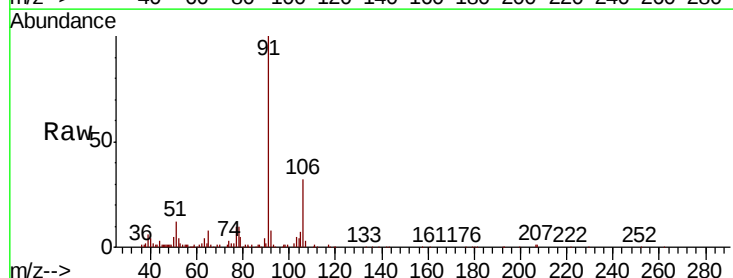
Acq: 29 Oct 2019 21:29

Tgt Ion: 91 Resp: 52225

Ion Ratio Lower Upper

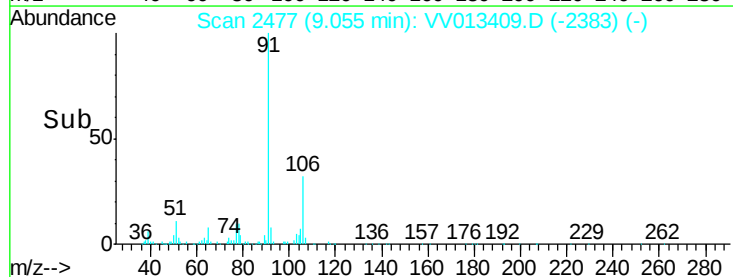
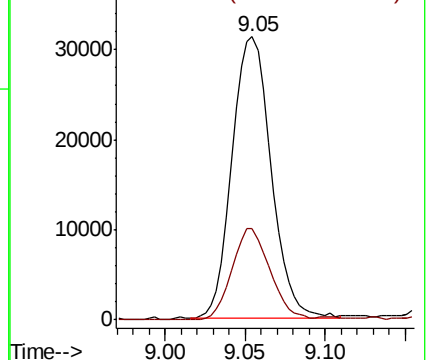
91 100

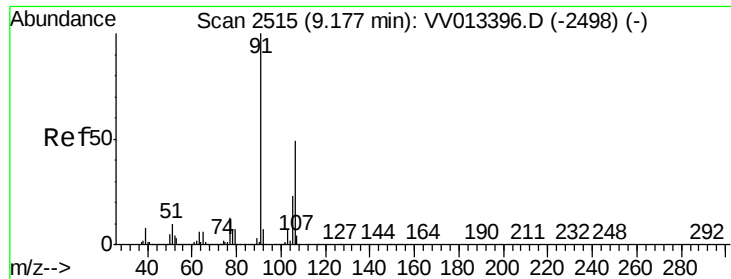
106 32.2 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.273 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

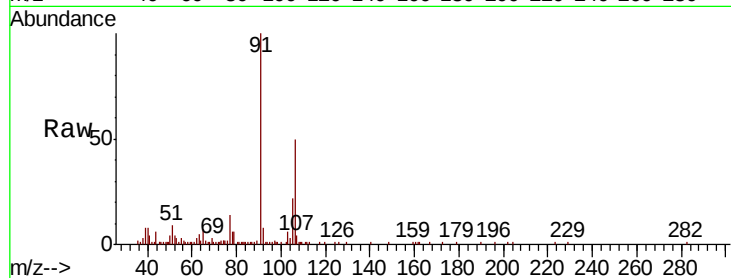
GAQD8

Tot Ion:106 Resp: 16408

Ion Ratio Lower Upper

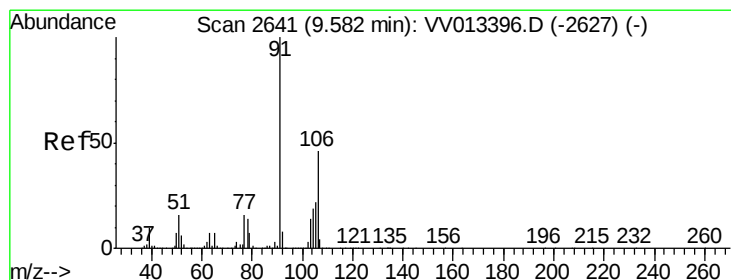
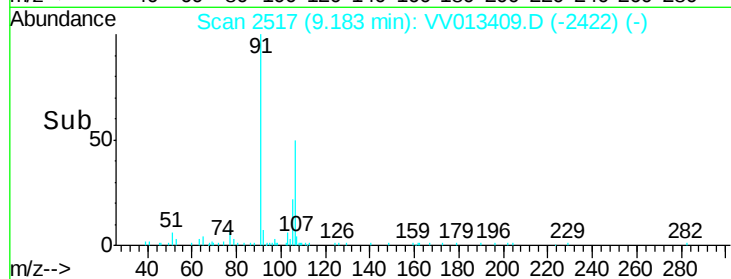
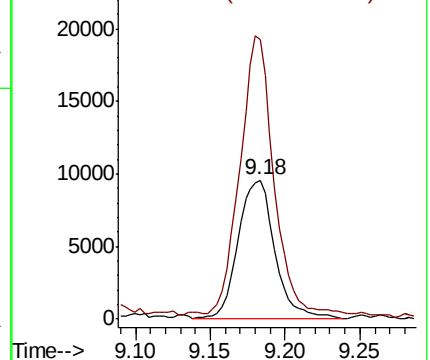
106 100

91 201.2 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.085 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV013409.D

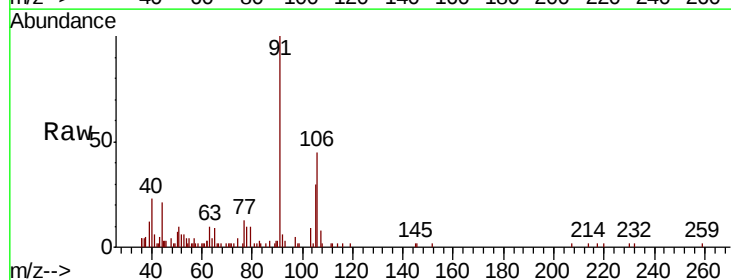
Acq: 29 Oct 2019 21:29

Tgt Ion:106 Resp: 4933

Ion Ratio Lower Upper

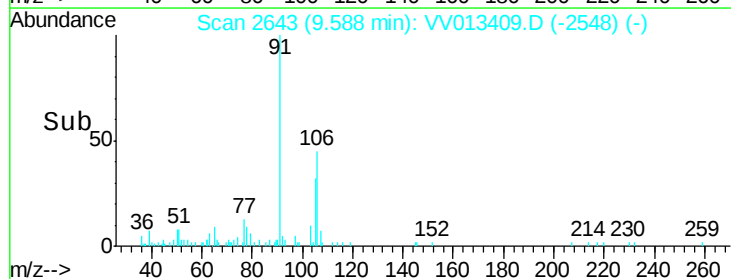
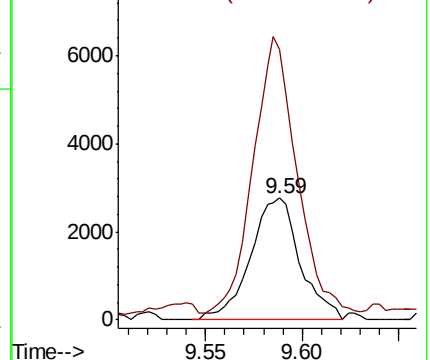
106 100

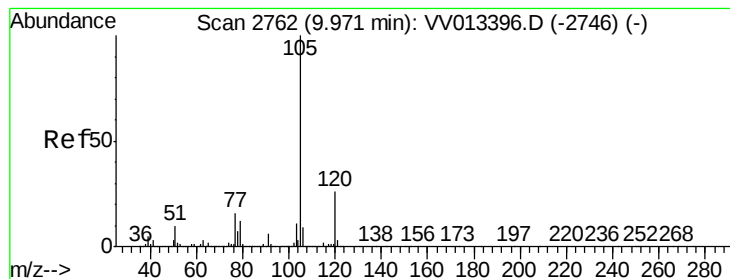
91 222.1 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.092 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV013409.D

Acq: 29 Oct 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

GAQD8

Tot Ion:105 Resp: 14484

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

77 20.2 12.9 19.3#

