

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013413.D
 Acq On : 29 Oct 2019 23:05
 Operator : SY/MD
 Sample : K5597-14
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE3

Quant Time: Oct 30 04:10:15 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	364158	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	384607	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	202812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144209	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	126491	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	192998	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.96	46	391169	49.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.40	84	307369	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	169302	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	633017	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.12	67	200422	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	558862	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	66221	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.14	63	226678	45.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	130505	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	202610	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

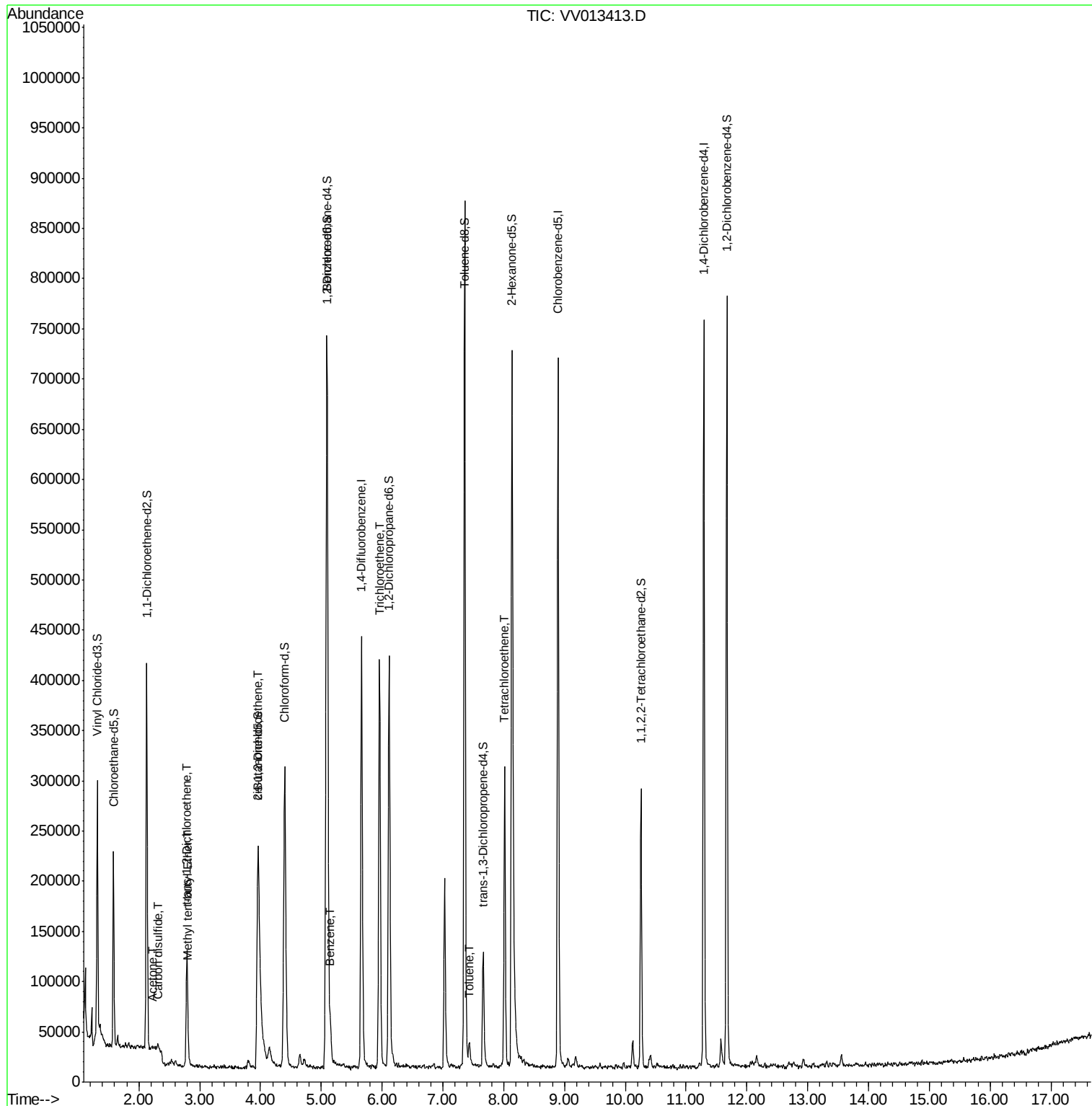
					Ovalue
13) Acetone	2.23	43	4472	1.162 ug/L	69
14) Carbon disulfide	2.32	76	5585	0.066 ug/L #	77
17) Methyl tert-butyl Ether	2.81	73	12761	0.172 ug/L #	70
18) trans-1,2-Dichloroethene	2.79	96	38442	1.036 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	39482	1.056 ug/L #	93
33) Benzene	5.15	78	36424	0.253 ug/L	100
34) Trichloroethene	5.96	95	134254	3.402 ug/L	98
42) Toluene	7.43	91	14694	0.098 ug/L	96
47) Tetrachloroethene	8.02	164	69226	2.071 ug/L	98

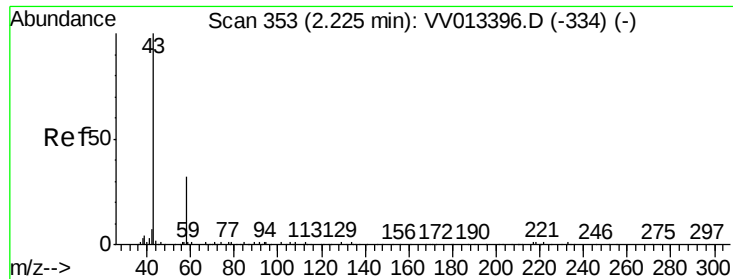
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 1.162 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

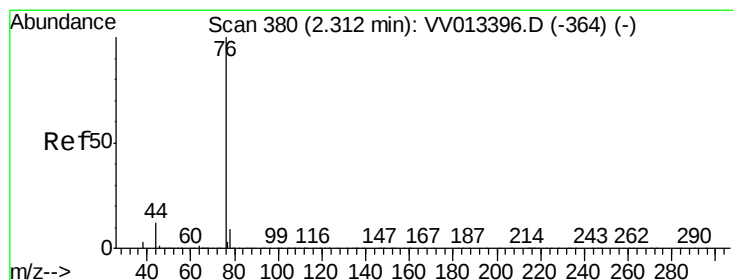
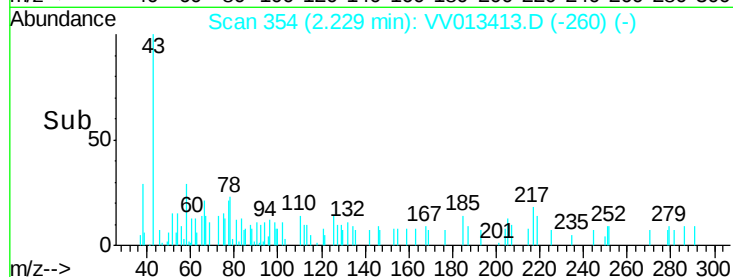
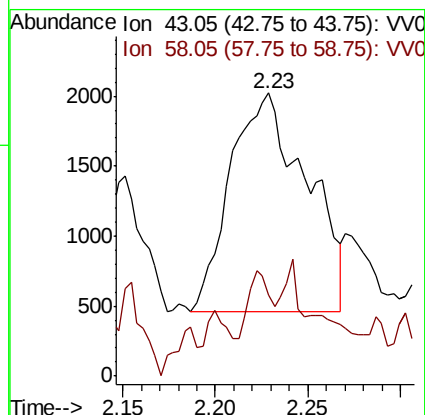
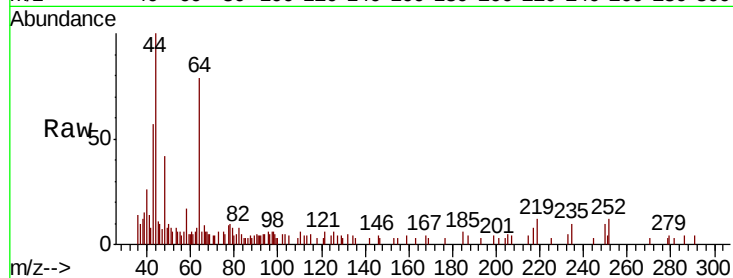
GAQE3

Tot Ion: 43 Resp: 4472

Ion Ratio Lower Upper

43 100

58 12.6 0.0 59.0



#14

Carbon disulfide

Concen: 0.066 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013413.D

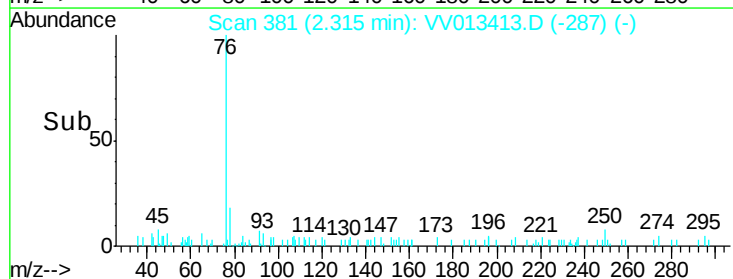
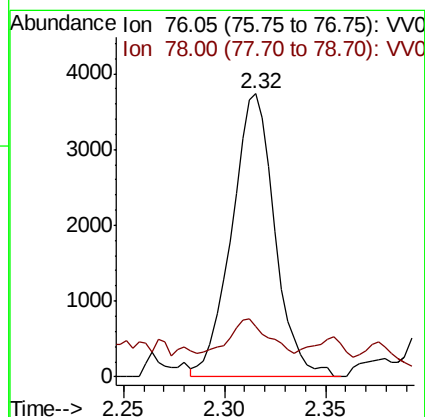
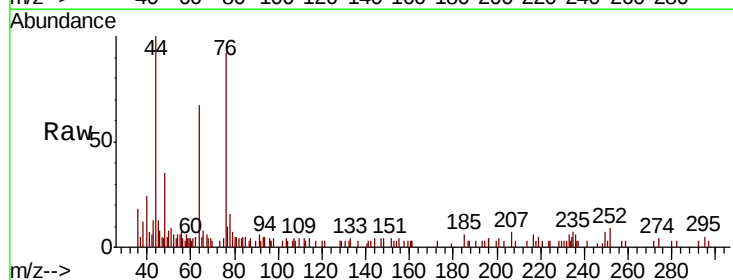
Acq: 29 Oct 2019 23:05

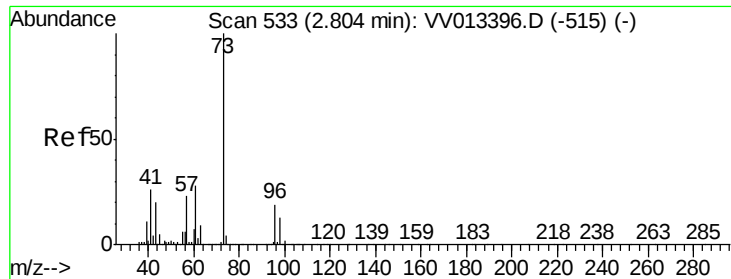
Tgt Ion: 76 Resp: 5585

Ion Ratio Lower Upper

76 100

78 17.7 7.5 11.3#



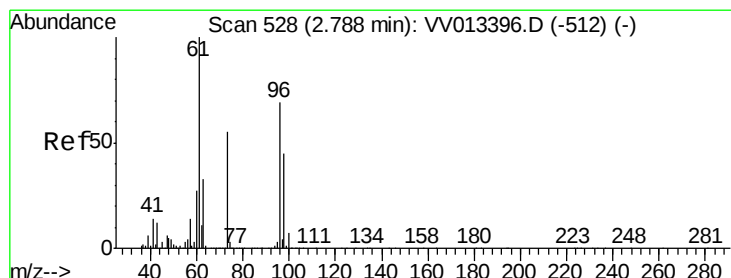
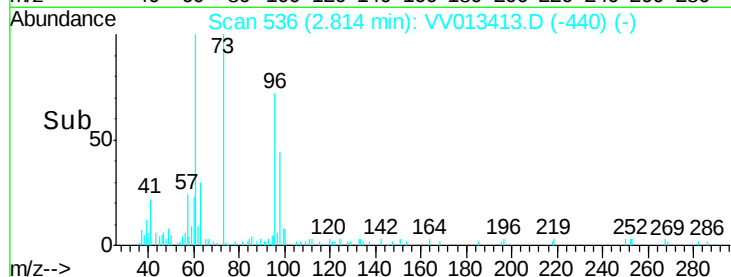
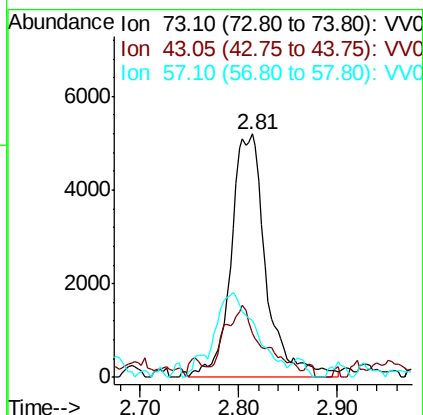
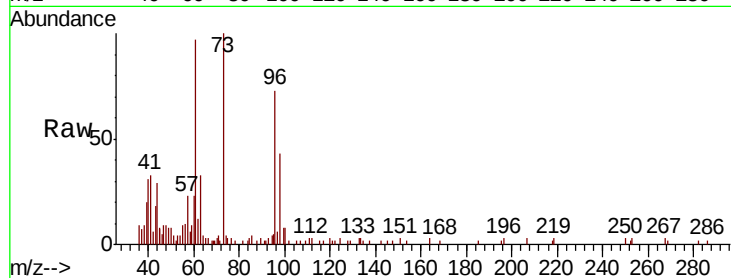


#17

Methvl tert-butvl Ether
 Concen: 0.172 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VV013413.D
 Acq: 29 Oct 2019 23:05

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE3

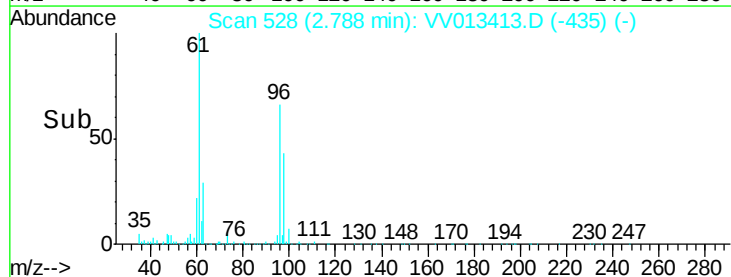
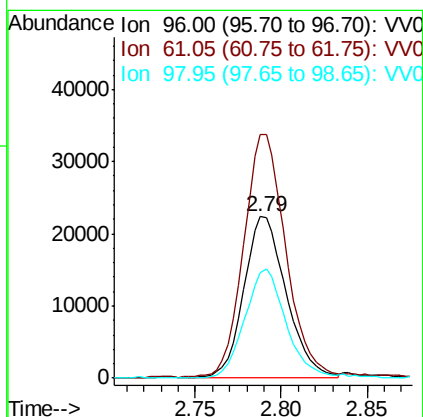
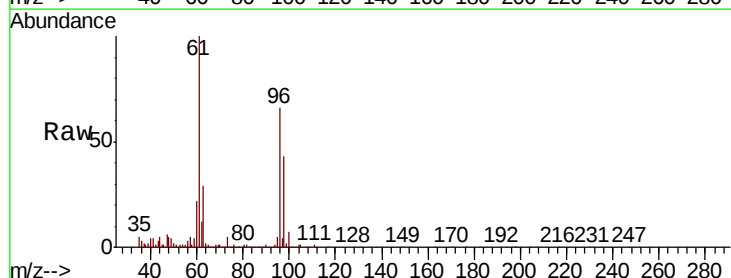
Tot Ion: 73 Resp: 12761
 Ion Ratio Lower Upper
 73 100
 43 29.9 16.6 25.0#
 57 42.6 18.8 28.2#

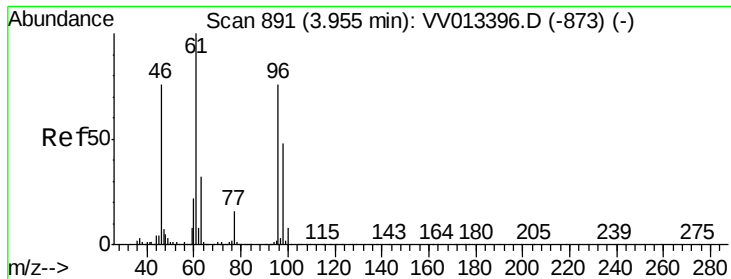


#18

trans-1,2-Dichloroethene
 Concen: 1.036 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV013413.D
 Acq: 29 Oct 2019 23:05

Tgt Ion: 96 Resp: 38442
 Ion Ratio Lower Upper
 96 100
 61 150.6 100.1 185.9
 98 65.4 44.2 82.0



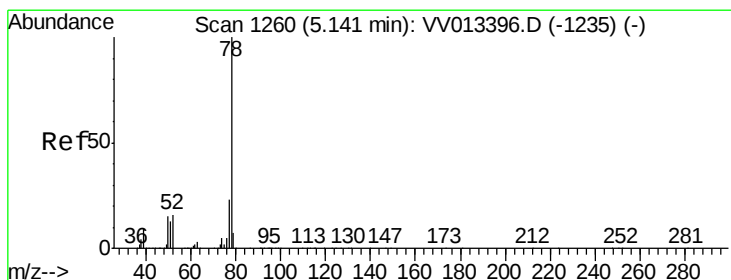
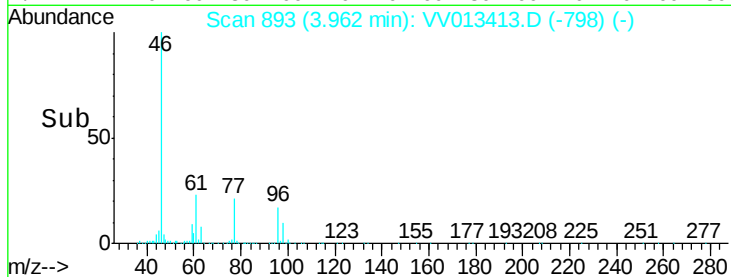
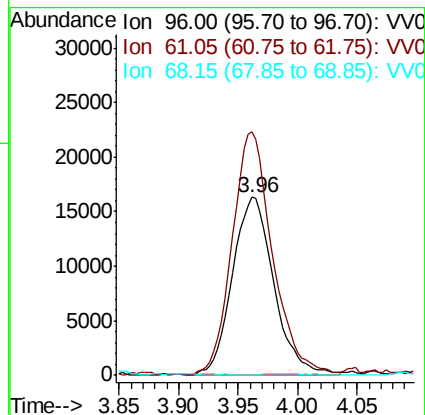
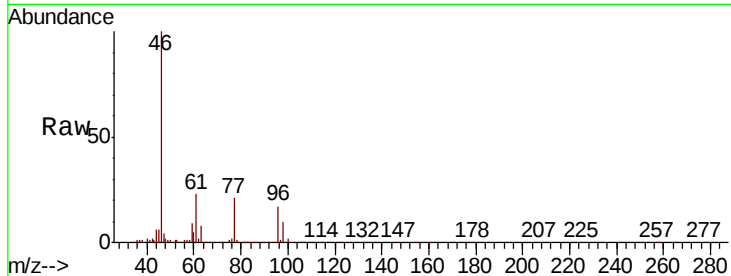


#22

cis-1,2-Dichloroethene
 Concen: 1.056 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013413.D
 Acq: 29 Oct 2019 23:05

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE3

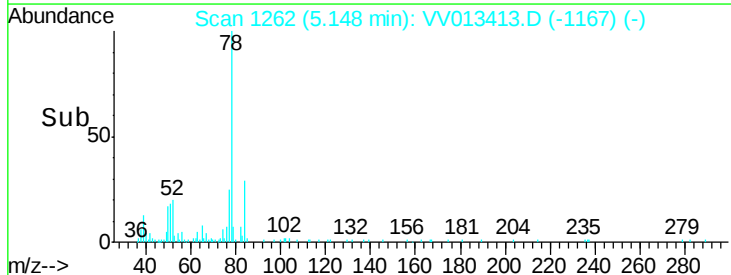
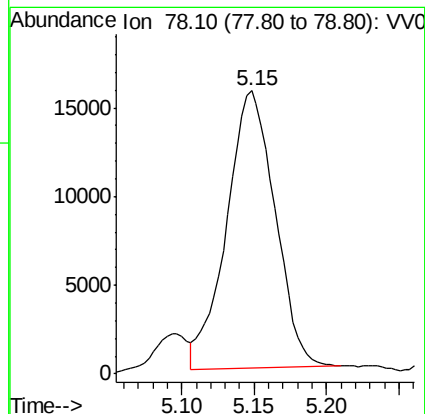
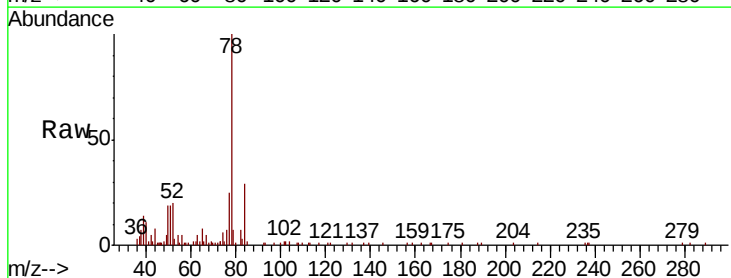
Tot Ion: 96 Resp: 39482
 Ion Ratio Lower Upper
 96 100
 61 136.7 89.9 167.0
 68 0.0 0.1 0.3#

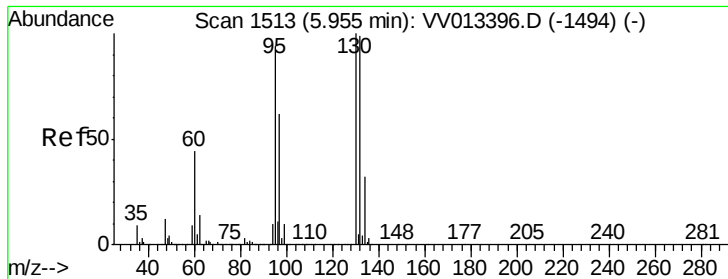


#33

Benzene
 Concen: 0.253 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VV013413.D
 Acq: 29 Oct 2019 23:05

Tgt Ion: 78 Resp: 36424





#34

Trichloroethene

Concen: 3.402 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

GAQE3

Tot Ion: 95 Resp: 134254

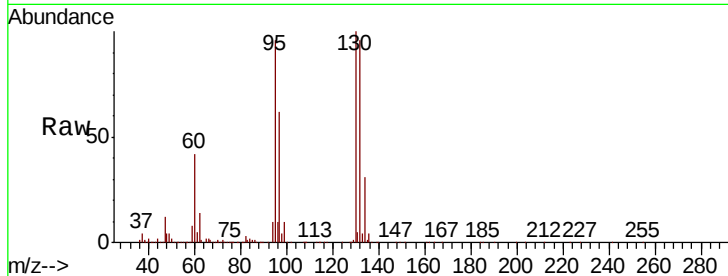
Ion Ratio Lower Upper

95 100

97 64.5 43.9 81.5

132 100.5 68.7 127.7

130 104.4 72.1 133.9

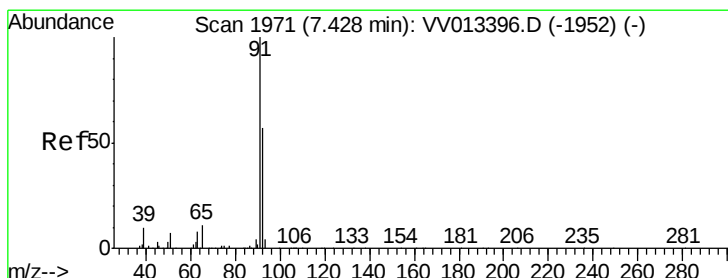
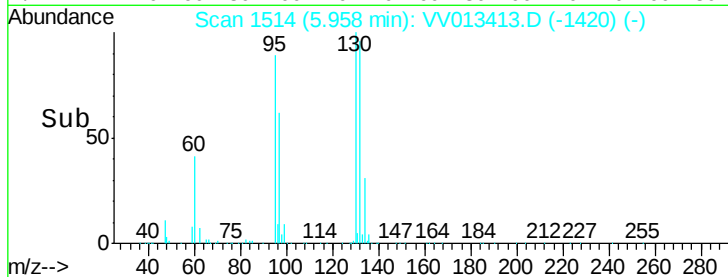
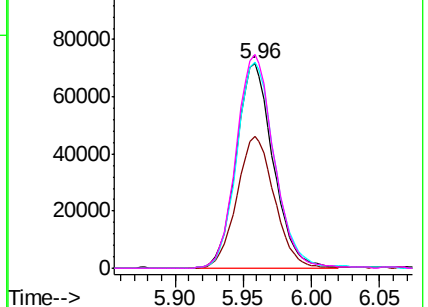


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#42

Toluene

Concen: 0.098 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013413.D

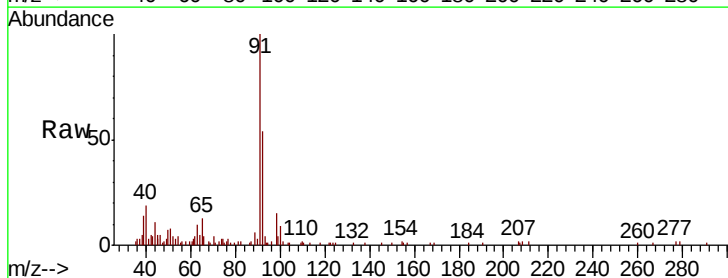
Acq: 29 Oct 2019 23:05

Tgt Ion: 91 Resp: 14694

Ion Ratio Lower Upper

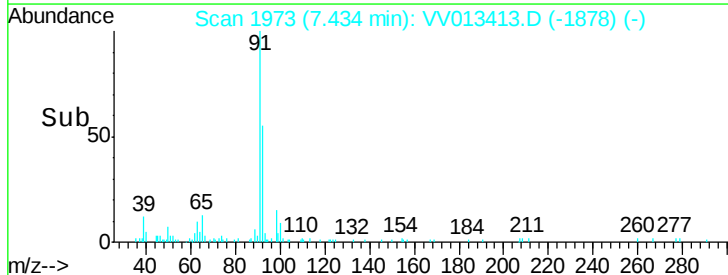
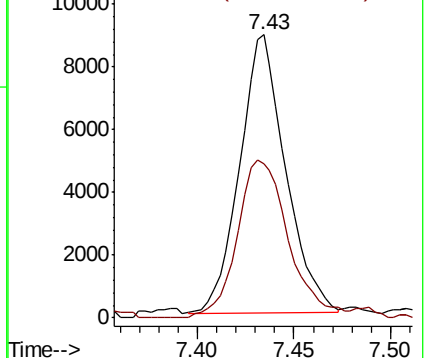
91 100

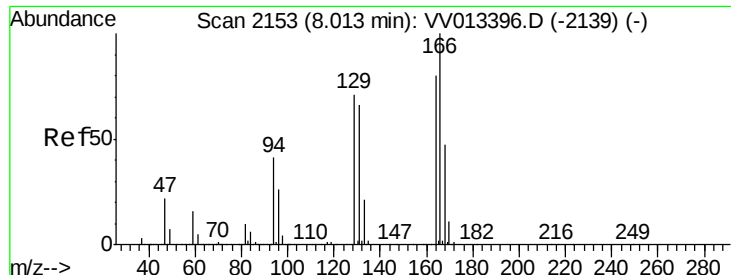
92 54.4 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 2.071 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :
MSVOA_V
ClientSampleId :
GAQE3

Tot Ion:164 Resp: 69226

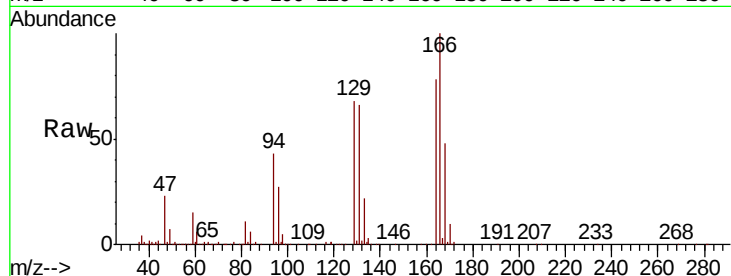
Ion Ratio Lower Upper

164 100

129 87.5 63.4 117.8

131 85.4 60.3 112.1

166 128.7 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

