

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103119\
 Data File : VV013453.D
 Acq On : 31 Oct 2019 18:37
 Operator : SY/MD
 Sample : K5597-12
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE1

Quant Time: Nov 01 05:46:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 01 05:32:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	358317	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	378990	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	202954	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125093	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	104581	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.13	63	169058	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	3.96	46	405946	49.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.24%
24) Chloroform-d	4.40	84	286795	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.08	65	162937	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.09	84	594267	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	191253	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	495424	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	70028	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.13	63	267516	46.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	142048	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	207362	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

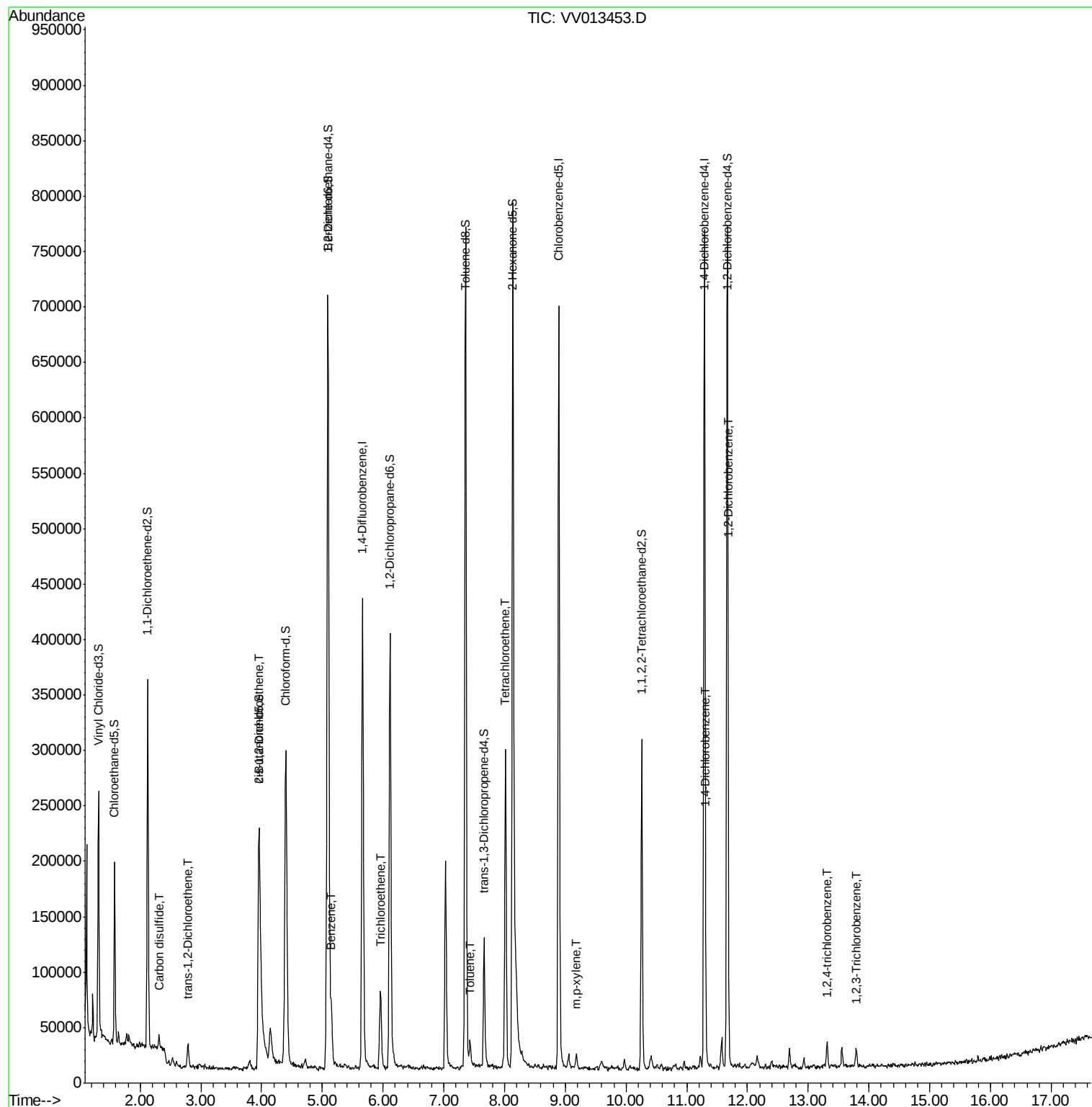
					Ovalue
14) Carbon disulfide	2.31	76	14539	0.185 ug/L #	95
18) trans-1,2-Dichloroethene	2.78	96	6159	0.184 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	28006	0.794 ug/L #	91
33) Benzene	5.14	78	52303	0.388 ug/L	100
34) Trichloroethene	5.96	95	22116	0.604 ug/L	97
42) Toluene	7.43	91	15444	0.110 ug/L	90
47) Tetrachloroethene	8.02	164	69081	2.198 ug/L	97
53) m,p-xylene	9.19	106	4178	0.073 ug/L	87
63) 1,4-Dichlorobenzene	11.32	146	6558	0.098 ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	4591	0.076 ug/L #	87
68) 1,2,4-trichlorobenzene	13.31	180	7153	0.162 ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	5332	0.131 ug/L	98

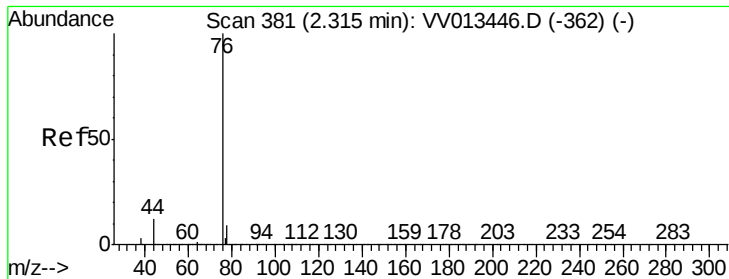
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 01 05:32:11 2019
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.185 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV013453.D

Acq: 31 Oct 2019 18:37

Instrument :

MSVOA_V

ClientSampled :

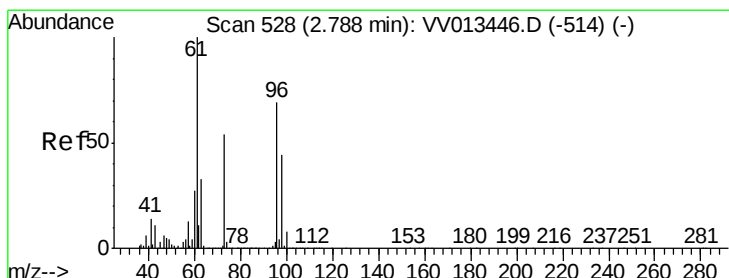
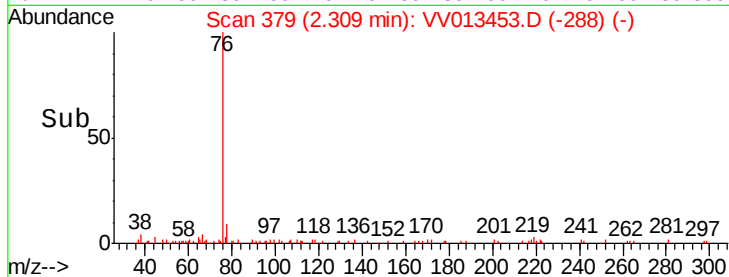
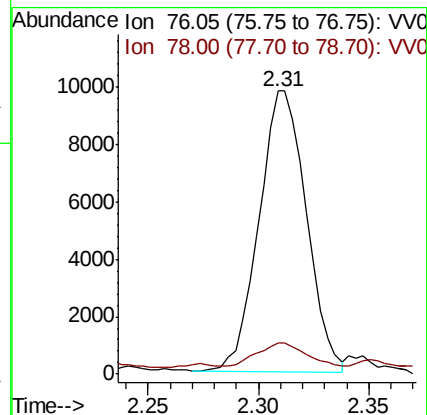
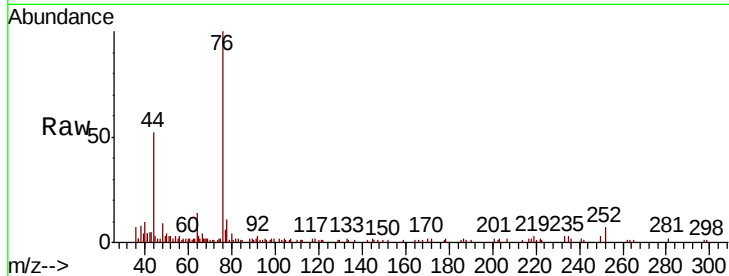
GAQE1

Tot Ion: 76 Resp: 14539

Ion Ratio Lower Upper

76 100

78 11.1 7.4 11.0#



#18

trans-1,2-Dichloroethene

Concen: 0.184 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013453.D

Acq: 31 Oct 2019 18:37

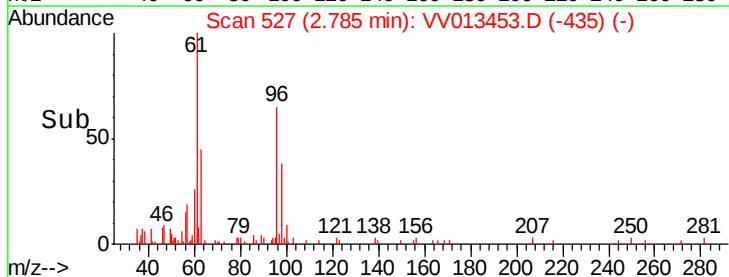
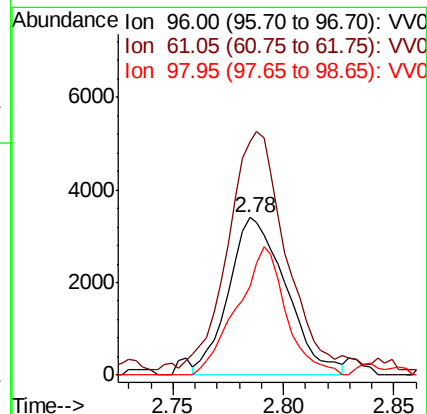
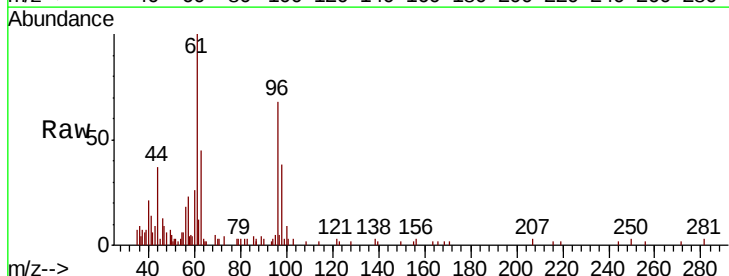
Tgt Ion: 96 Resp: 6159

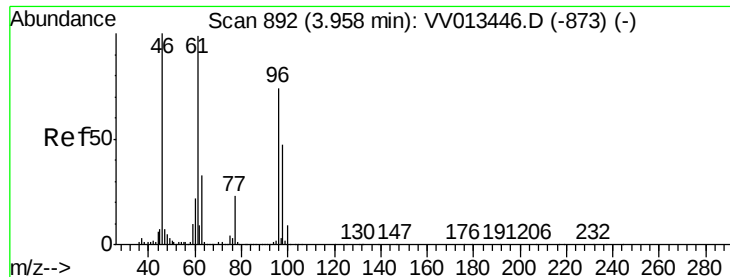
Ion Ratio Lower Upper

96 100

61 148.0 102.2 189.8

98 56.0 44.9 83.5



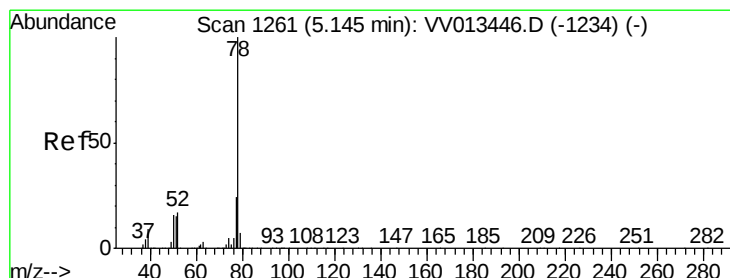
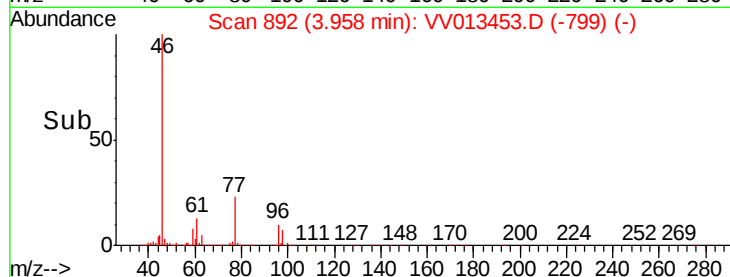
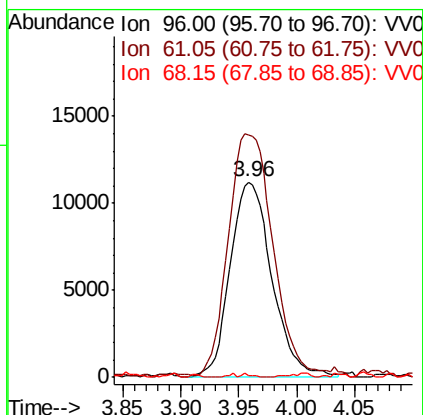
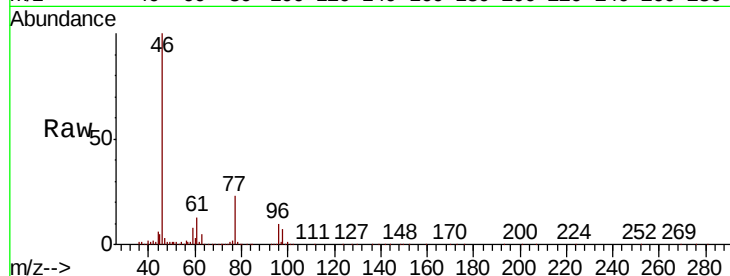


#22

cis-1,2-Dichloroethene
Concen: 0.794 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013453.D
Acq: 31 Oct 2019 18:37

Instrument :
MSVOA_V
ClientSampleId :
GAQE1

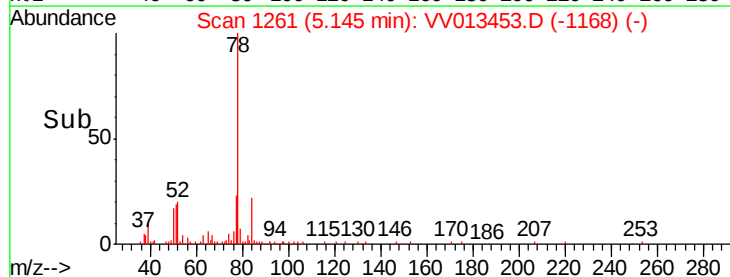
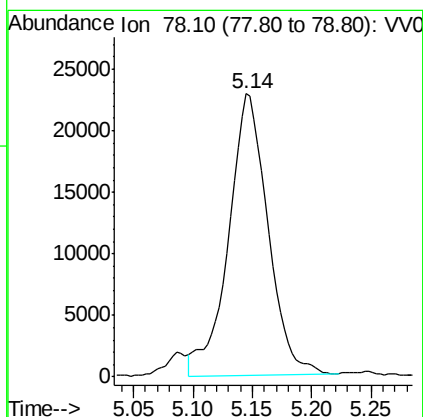
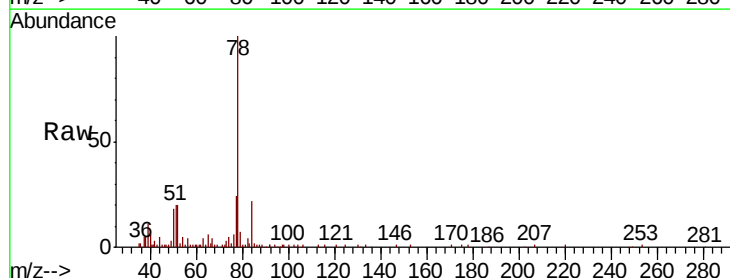
Tot Ion: 96 Resp: 28006
Ion Ratio Lower Upper
96 100
61 124.2 94.2 175.0
68 1.0 0.1 0.3#

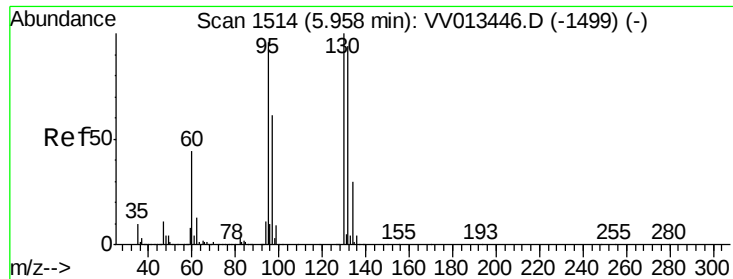


#33

Benzene
Concen: 0.388 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013453.D
Acq: 31 Oct 2019 18:37

Tgt Ion: 78 Resp: 52303





#34

Trichloroethene

Concen: 0.604 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013453.D

Acq: 31 Oct 2019 18:37

Instrument :

MSVOA_V

ClientSampleId :

GAQE1

Tot Ion: 95 Resp: 22116

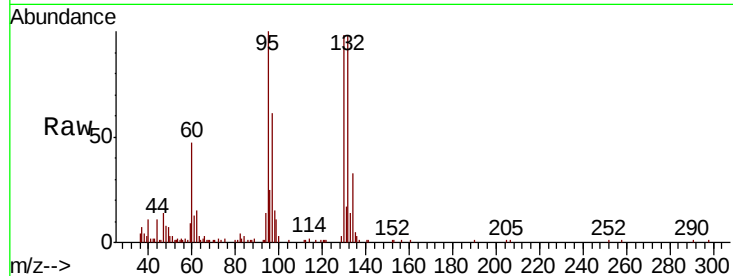
Ion Ratio Lower Upper

95 100

97 61.5 44.2 82.2

132 97.8 68.4 127.0

130 98.5 72.9 135.5

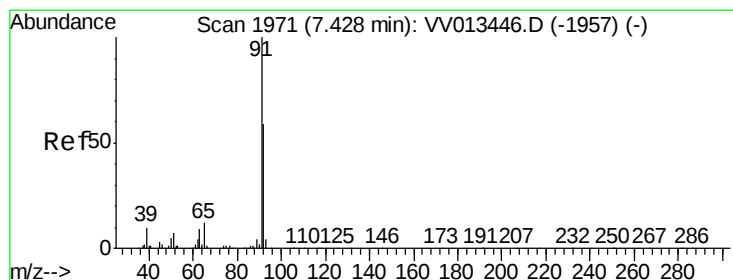
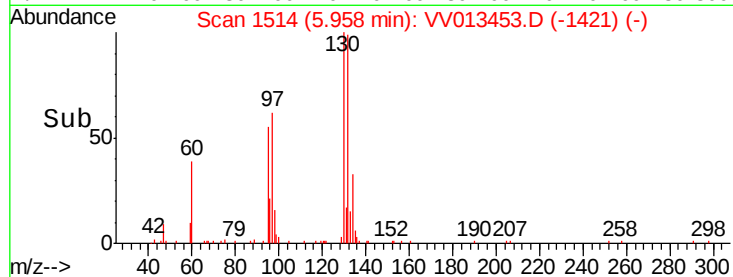
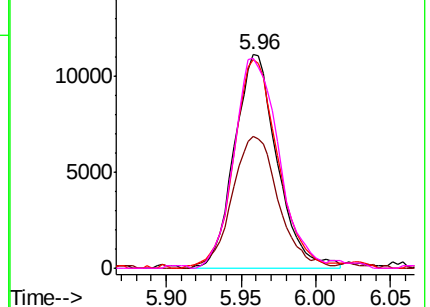


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#42

Toluene

Concen: 0.110 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013453.D

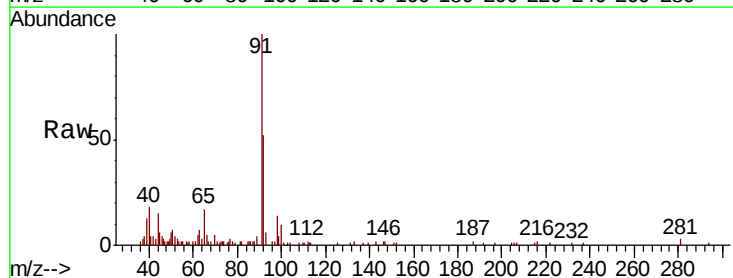
Acq: 31 Oct 2019 18:37

Tgt Ion: 91 Resp: 15444

Ion Ratio Lower Upper

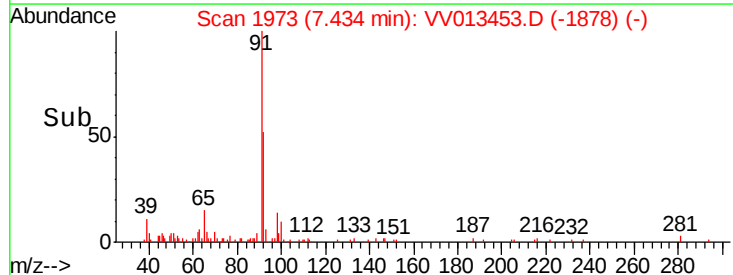
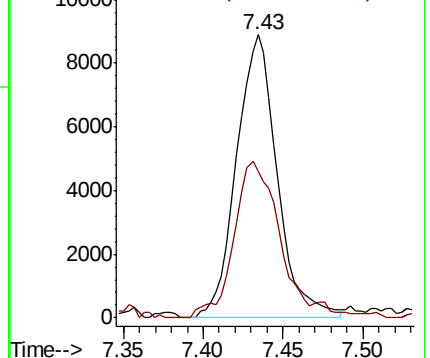
91 100

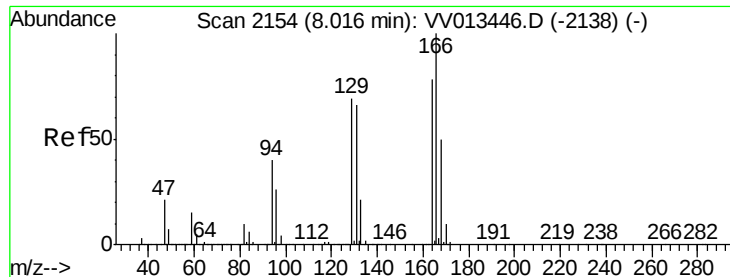
92 51.5 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 2.198 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013453.D

Acq: 31 Oct 2019 18:37

Instrument :

MSVOA_V

ClientSampleId :

GAQE1

Tot Ion:164 Resp: 69081

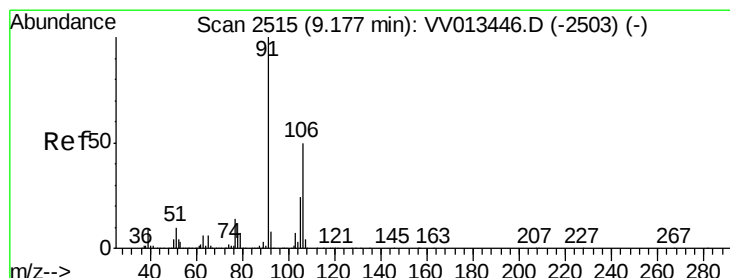
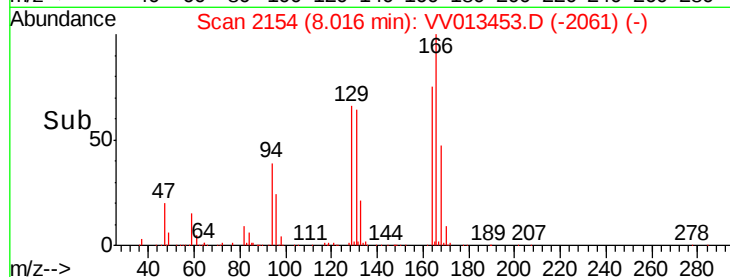
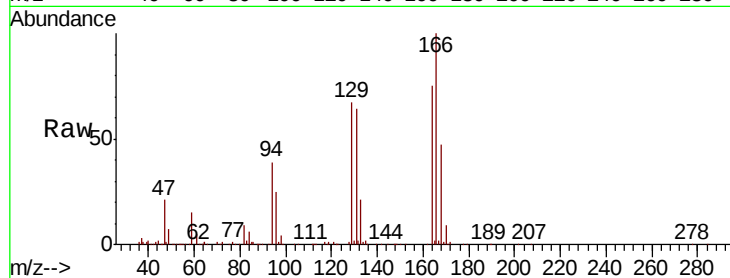
Ion Ratio Lower Upper

164 100

129 89.4 61.7 114.5

131 86.3 59.4 110.2

166 134.2 89.9 166.9



#53

m,p-xylene

Concen: 0.073 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.01 min

Lab File: VV013453.D

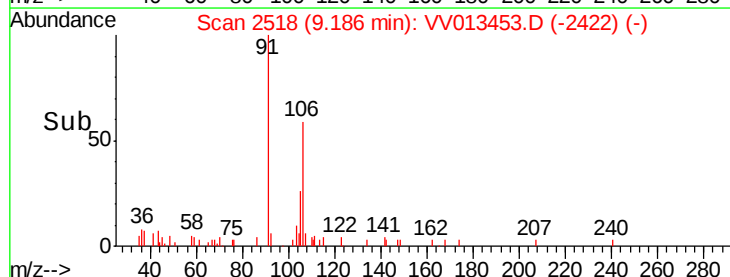
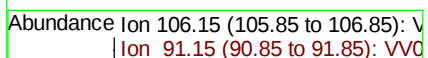
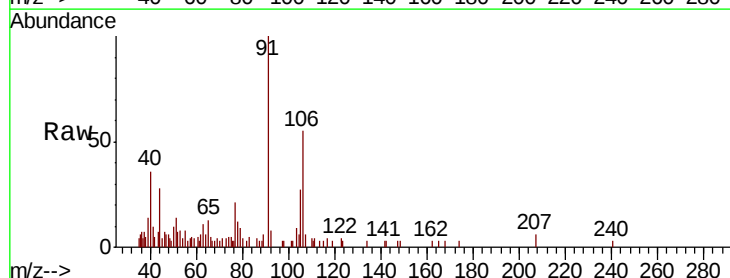
Acq: 31 Oct 2019 18:37

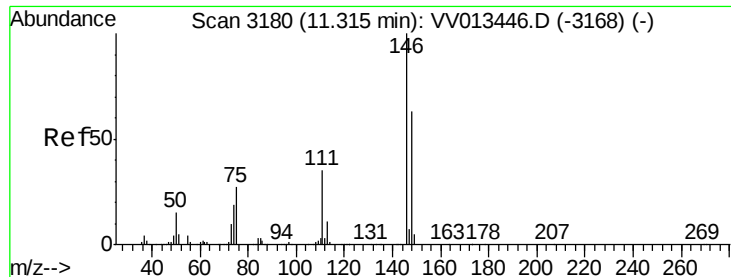
Tgt Ion:106 Resp: 4178

Ion Ratio Lower Upper

106 100

91 181.8 141.5 262.7

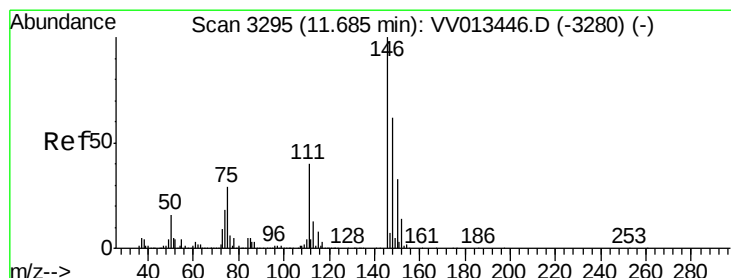
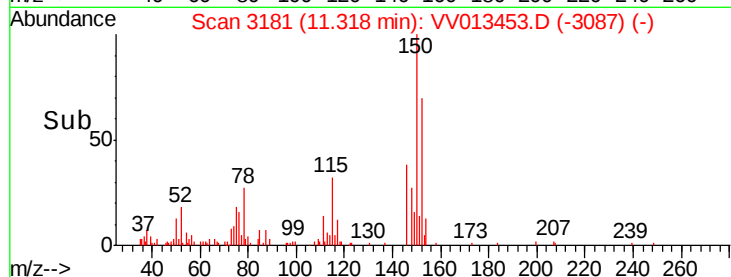
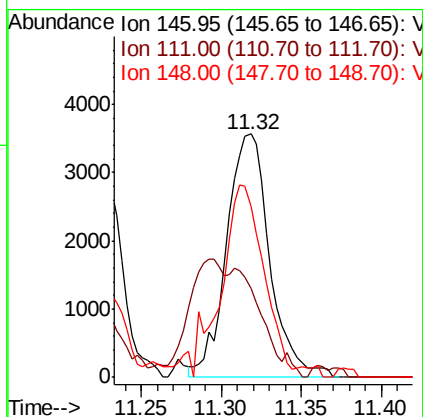
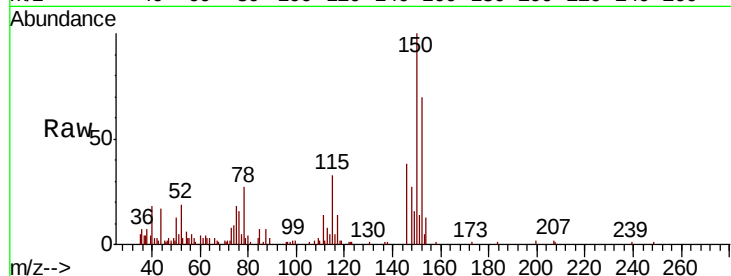




#63
 1,4-Dichlorobenzene
 Concen: 0.098 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV013453.D
 Acq: 31 Oct 2019 18:37

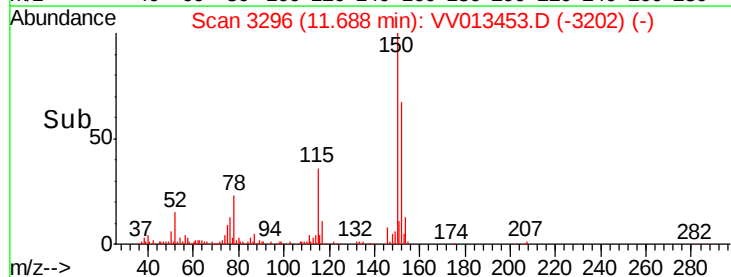
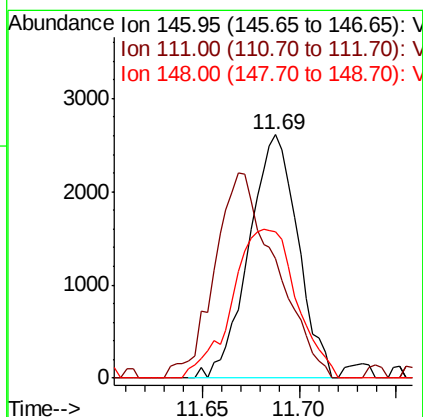
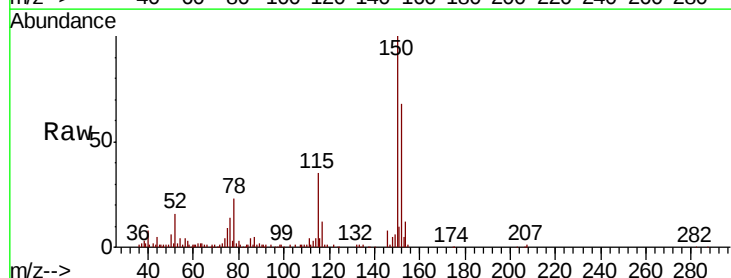
Instrument :
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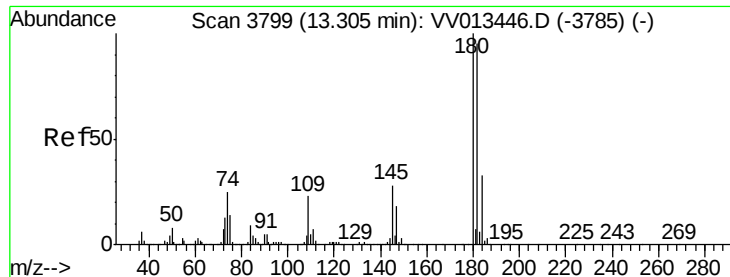
Tot Ion:146 Resp: 6558
 Ion Ratio Lower Upper
 146 100
 111 36.6 24.7 45.9
 148 70.0 44.2 82.0



#65
 1,2-Dichlorobenzene
 Concen: 0.076 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013453.D
 Acq: 31 Oct 2019 18:37

Tgt Ion:146 Resp: 4591
 Ion Ratio Lower Upper
 146 100
 111 58.9 31.8 47.6#
 148 60.3 49.5 74.3

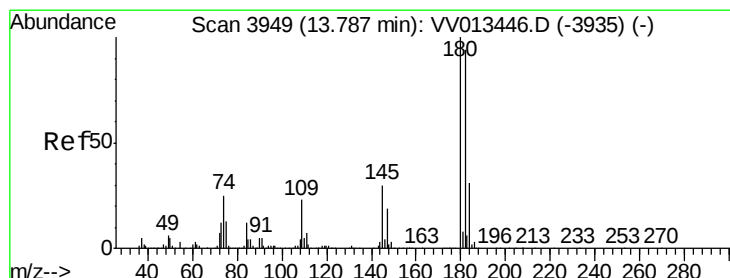
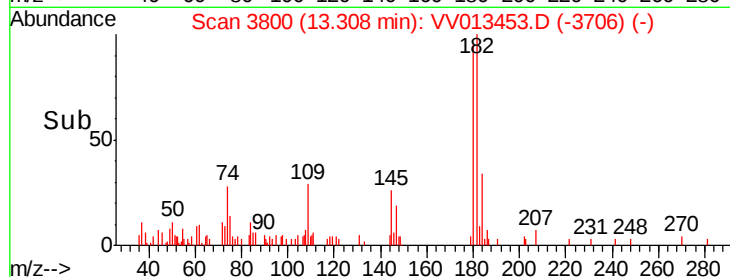
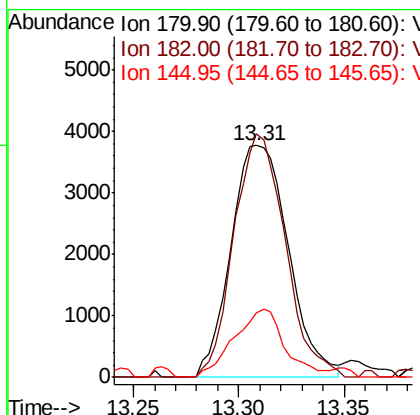
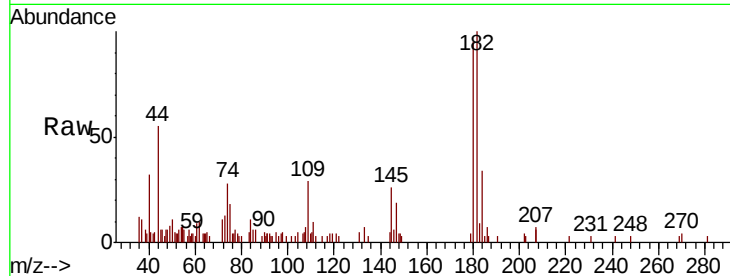




#68
 1,2,4-trichlorobenzene
 Concen: 0.162 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013453.D
 Acq: 31 Oct 2019 18:37

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE1

Tot Ion:180 Resp: 7153
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.1 114.1
 145 26.0 22.1 33.1



#70
 1,2,3-Trichlorobenzene
 Concen: 0.131 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013453.D
 Acq: 31 Oct 2019 18:37

Tgt Ion:180 Resp: 5332
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.4 116.2
 145 31.9 24.1 36.1

