

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
 Data File : VV013433.D
 Acq On : 30 Oct 2019 15:02
 Operator : SY/MD
 Sample : K5597-07
 Misc : 25.0ML/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD8

Quant Time: Oct 31 04:54:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 31 02:41:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	350739	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	365867	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	201363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132222	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	112662	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	168698	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	3.95	46	396269	52.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	4.40	84	289317	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	155494	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	590257	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.12	67	189481	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	497466	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.66	79	65102	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.13	63	245081	51.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126009	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	200820	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

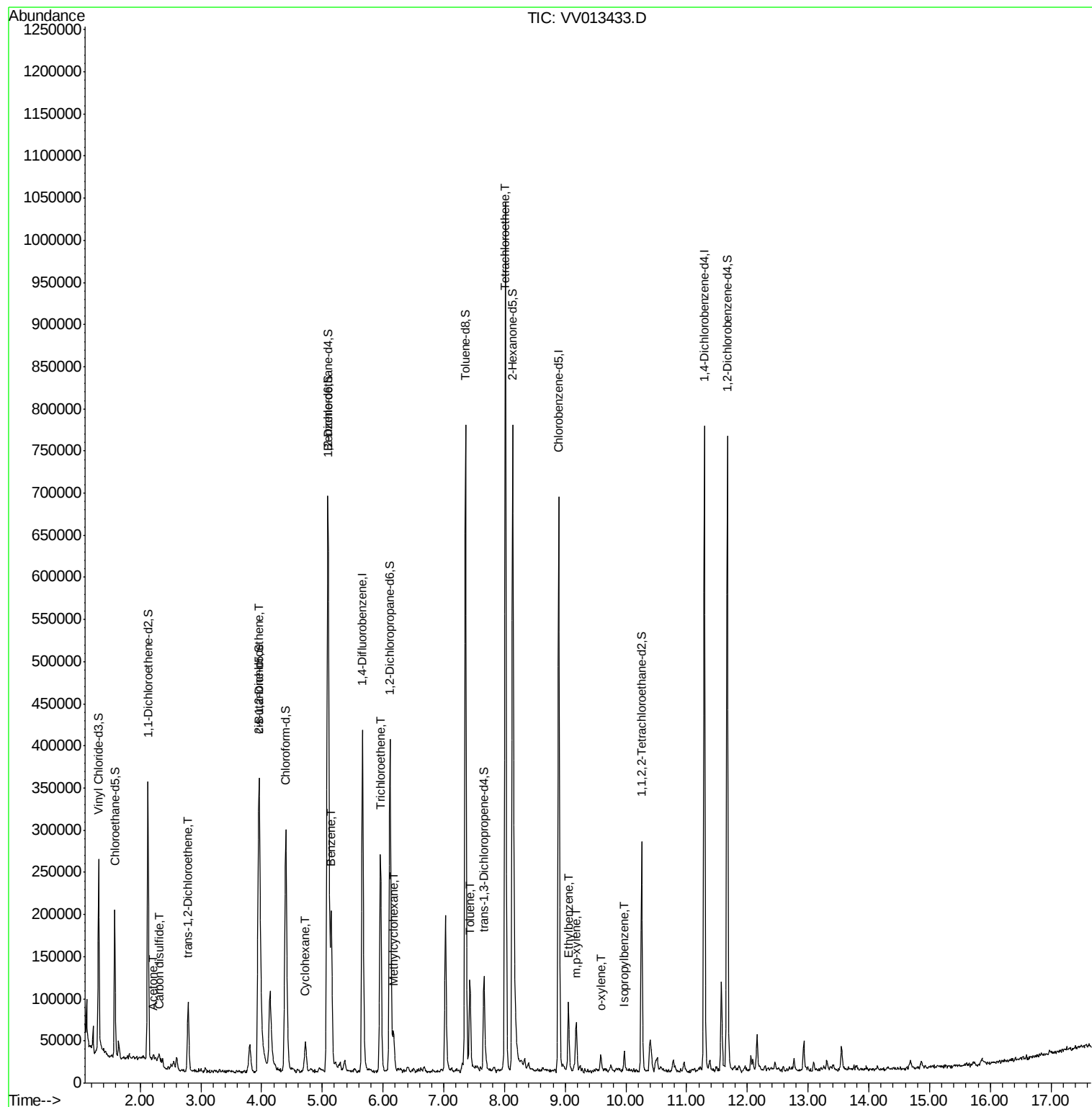
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.22	43	4838	1.305	ug/L	83
14) Carbon disulfide	2.32	76	7771	0.096	ug/L #	74
18) trans-1,2-Dichloroethene	2.79	96	24859	0.696	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	101875	2.828	ug/L #	98
30) Cyclohexane	4.72	56	18675	0.328	ug/L	94
33) Benzene	5.15	78	186723	1.366	ug/L	100
34) Trichloroethene	5.96	95	90717	2.417	ug/L	99
35) Methylcyclohexane	6.17	83	15562	0.278	ug/L #	87
42) Toluene	7.43	91	78438	0.550	ug/L	97
47) Tetrachloroethene	8.02	164	240975	7.578	ug/L	98
52) Ethylbenzene	9.05	91	56237	0.372	ug/L	93
53) m,p-xylene	9.18	106	16704	0.299	ug/L	88
54) o-xylene	9.59	106	5418	0.100	ug/L	98
56) Isopropylbenzene	9.97	105	14760	0.102	ug/L	98

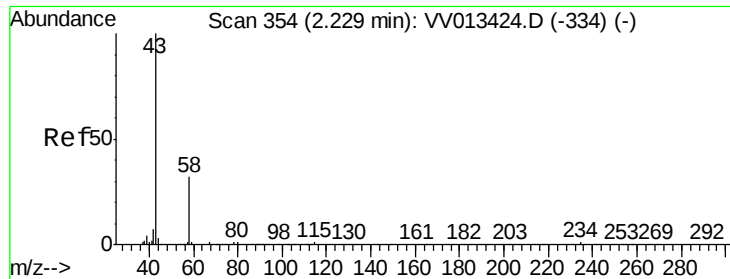
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 31 02:41:56 2019
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#13

Acetone

Concen: 1.305 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

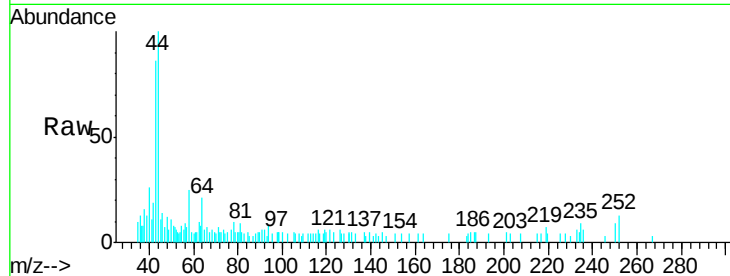
GAQD8

Tgt Ion: 43 Resp: 4838

Ion Ratio Lower Upper

43 100

58 38.4 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

3000

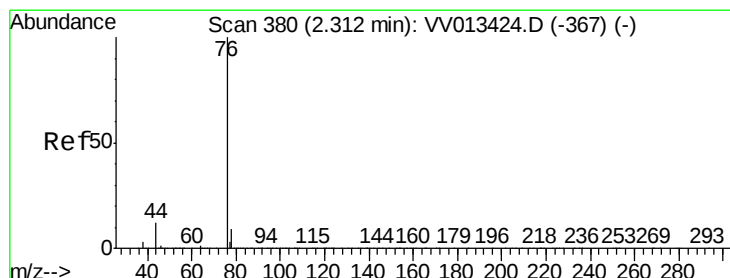
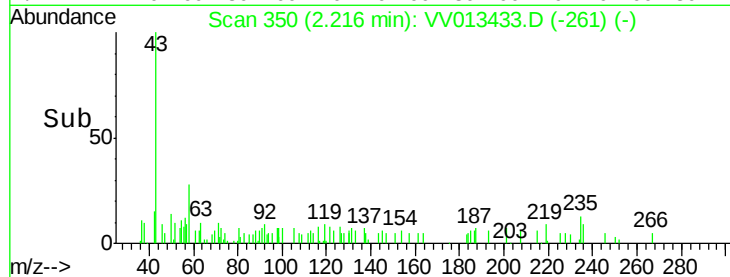
2000

1000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.096 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013433.D

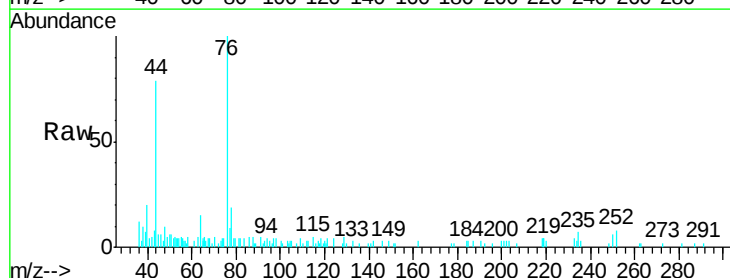
Acq: 30 Oct 2019 15:02

Tgt Ion: 76 Resp: 7771

Ion Ratio Lower Upper

76 100

78 18.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

5000

4000

3000

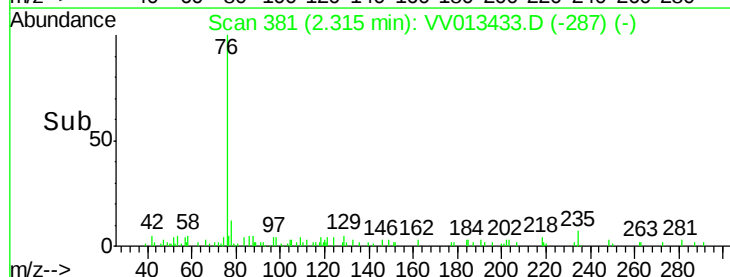
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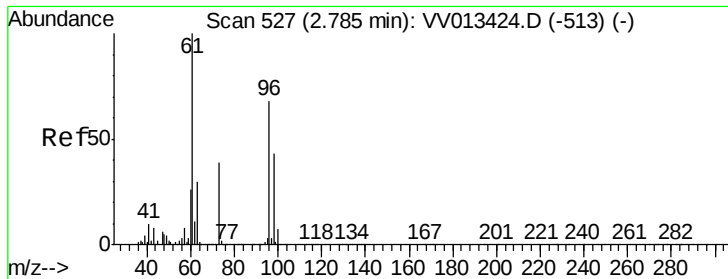
1000

0

Time-->

2.30 2.35





#18

trans-1,2-Dichloroethene

Concen: 0.696 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampled :

GAQD8

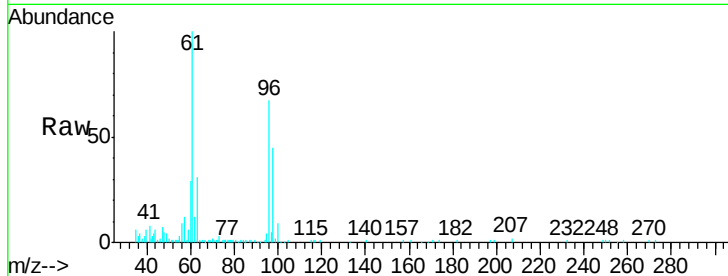
Tgt Ion: 96 Resp: 24859

Ion Ratio Lower Upper

96 100

61 148.6 100.1 185.9

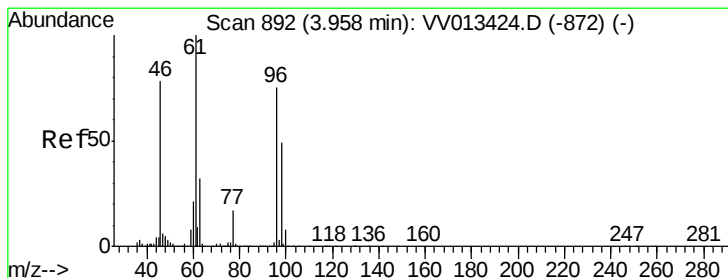
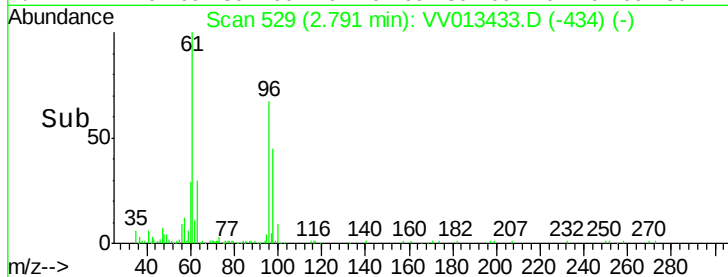
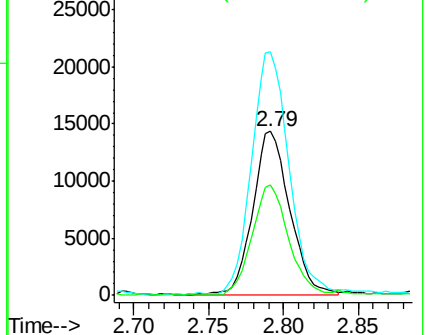
98 67.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.828 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

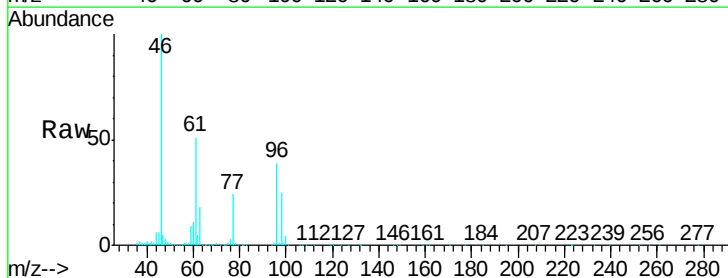
Tgt Ion: 96 Resp: 101875

Ion Ratio Lower Upper

96 100

61 130.6 89.9 167.0

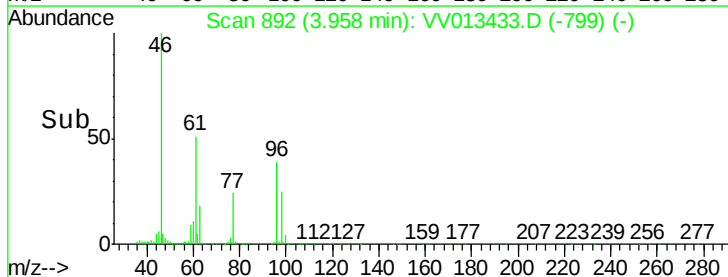
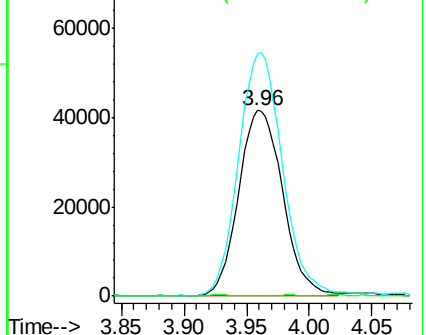
68 0.4 0.1 0.3#

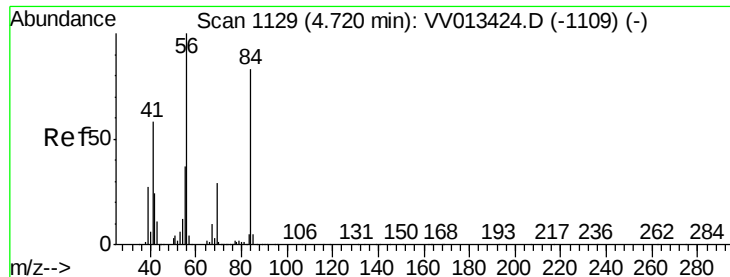


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

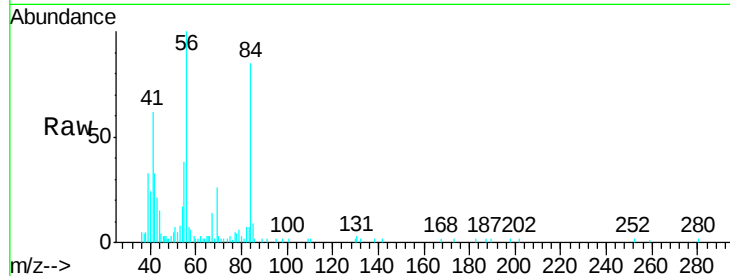




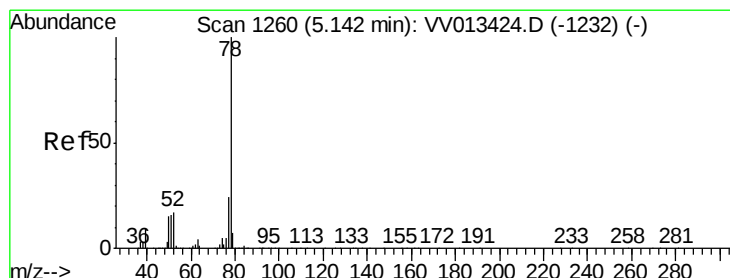
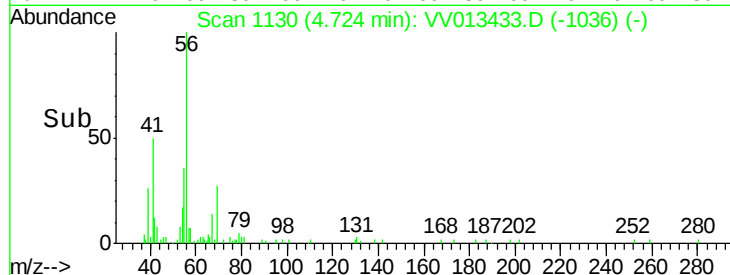
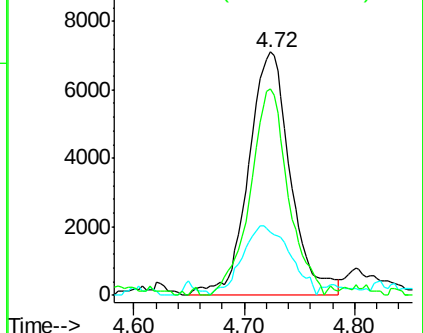
#30
Cyclohexane
Concen: 0.328 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013433.D
Acq: 30 Oct 2019 15:02

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MSVOA_V
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GAQD8

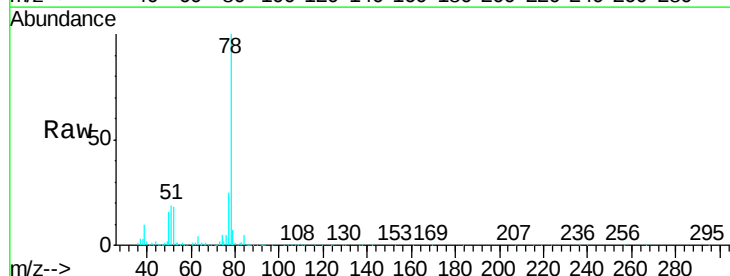
Tgt Ion: 56 Resp: 18675
Ion Ratio Lower Upper
56 100
69 32.7 22.7 34.1
84 76.9 65.5 98.3



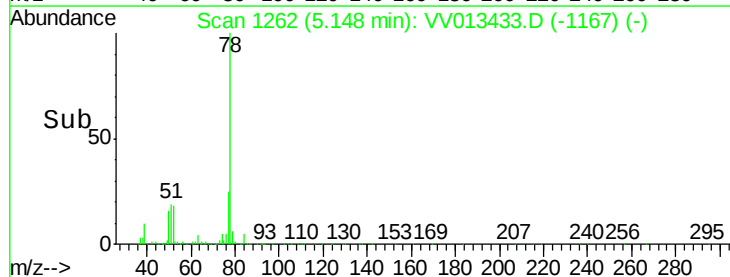
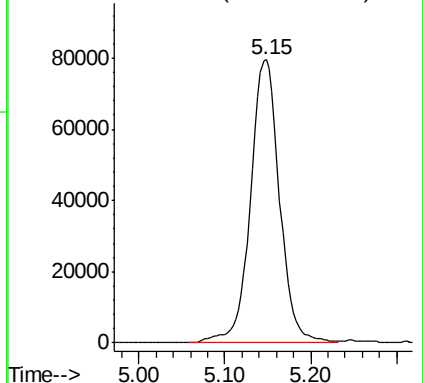
Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

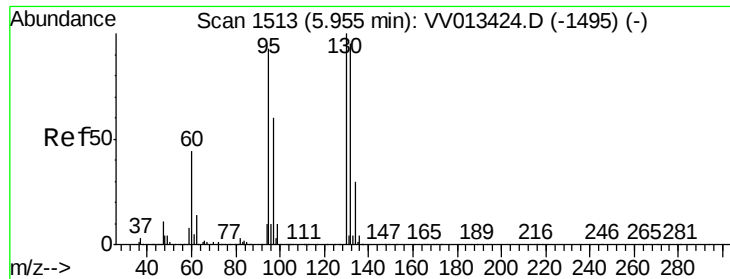


#33
Benzene
Concen: 1.366 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013433.D
Acq: 30 Oct 2019 15:02
Tgt Ion: 78 Resp: 186723



Abundance Ion 78.10 (77.80 to 78.80): VV0

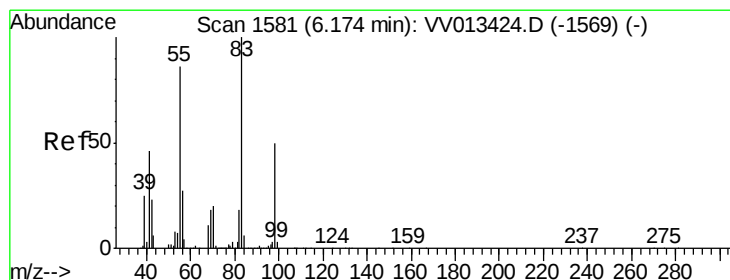
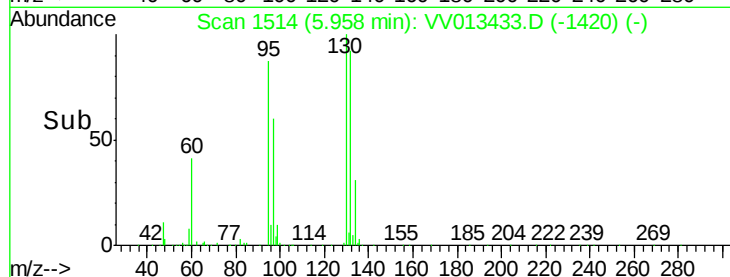
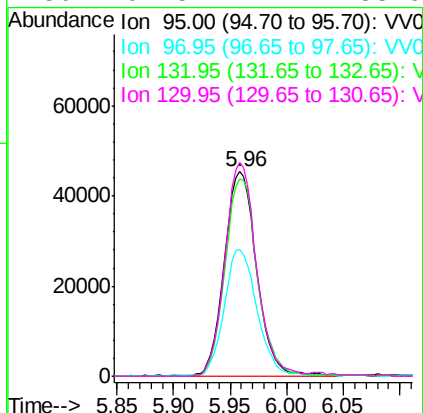
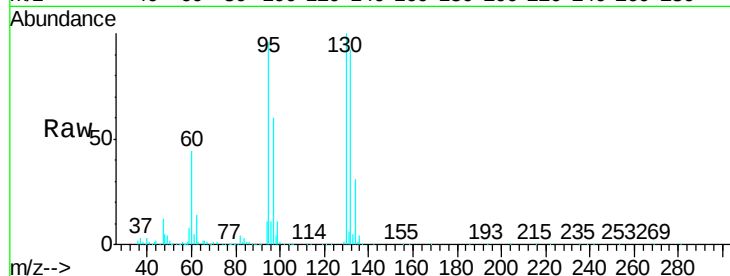




#34
 Trichloroethene
 Concen: 2.417 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013433.D
 Acq: 30 Oct 2019 15:02

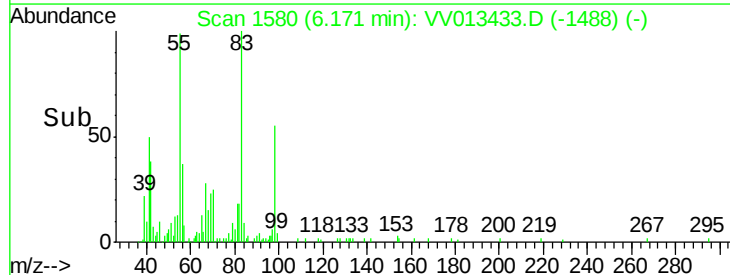
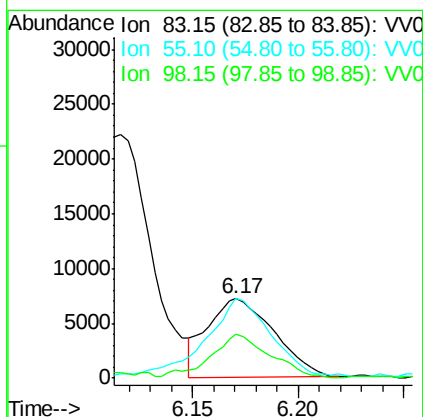
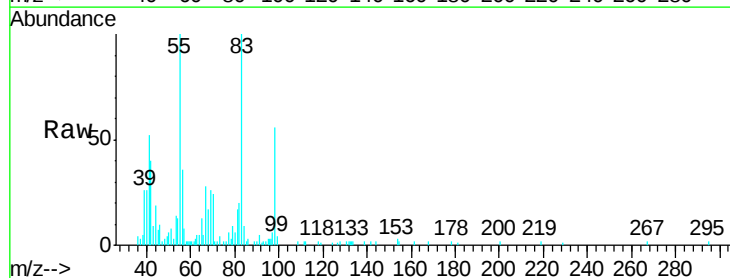
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD8

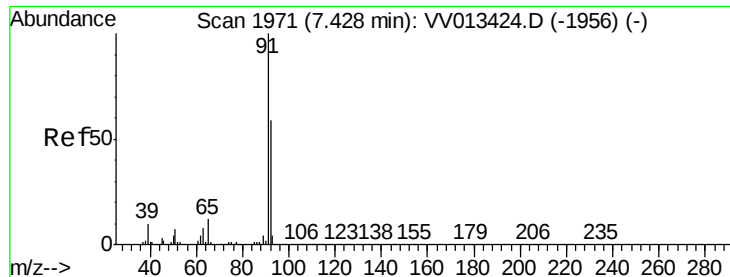
Tgt Ion:	95	Resp:	90717
Ion	Ratio	Lower	Upper
95	100		
97	62.2	43.9	81.5
132	96.2	68.7	127.7
130	104.5	72.1	133.9



#35
 Methylcyclohexane
 Concen: 0.278 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013433.D
 Acq: 30 Oct 2019 15:02

Tgt Ion:	83	Resp:	15562
Ion	Ratio	Lower	Upper
83	100		
55	99.3	66.0	99.0#
98	50.6	38.2	57.4





#42

Toluene

Concen: 0.550 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

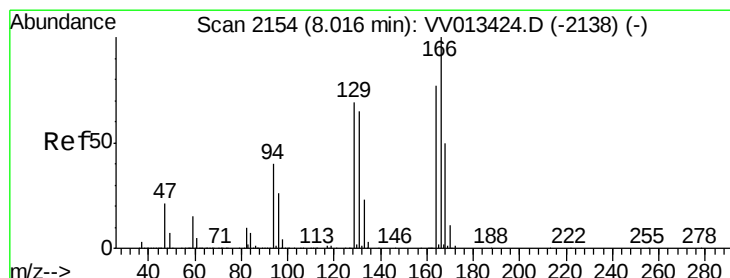
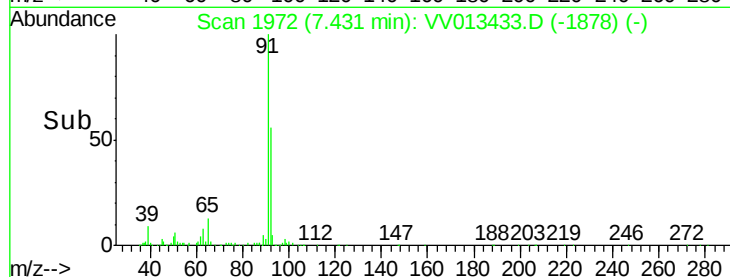
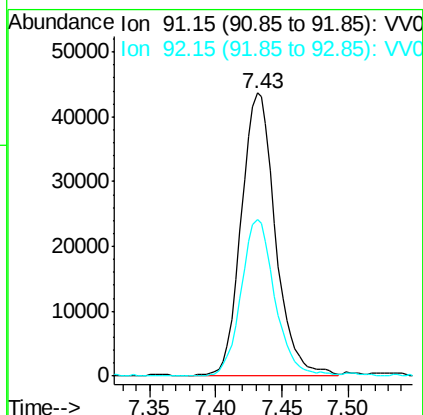
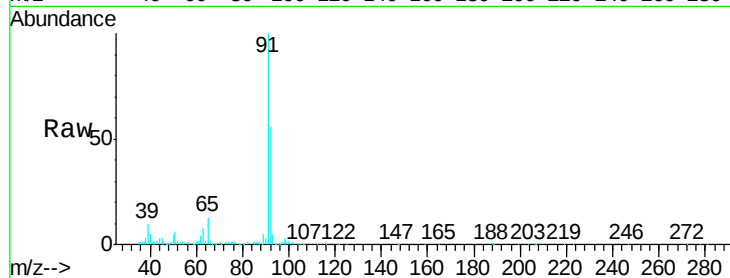
GAQD8

Tgt Ion: 91 Resp: 78438

Ion Ratio Lower Upper

91 100

92 55.5 40.3 74.8



#47

Tetrachloroethene

Concen: 7.578 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Tgt Ion: 164 Resp: 240975

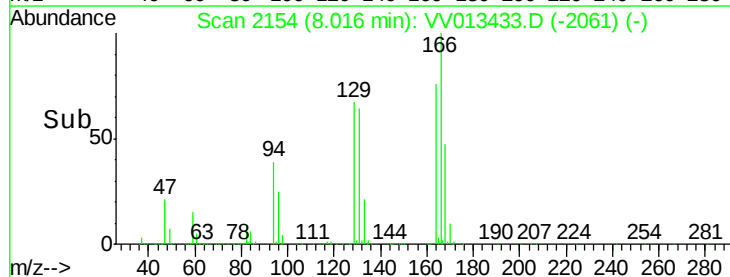
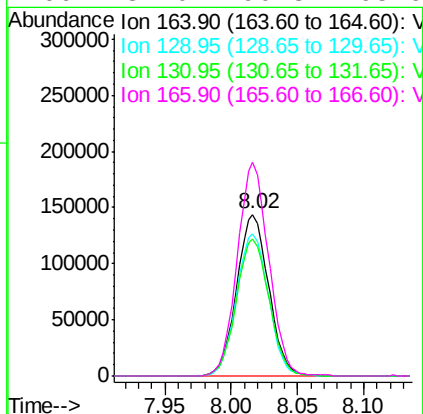
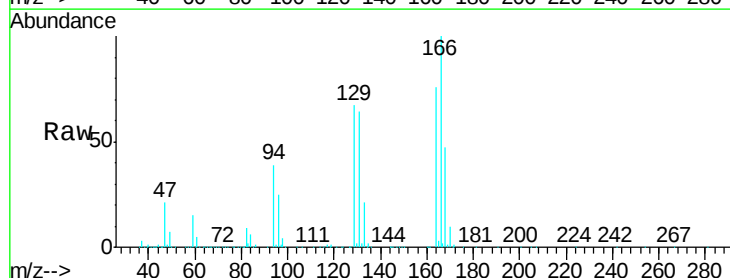
Ion Ratio Lower Upper

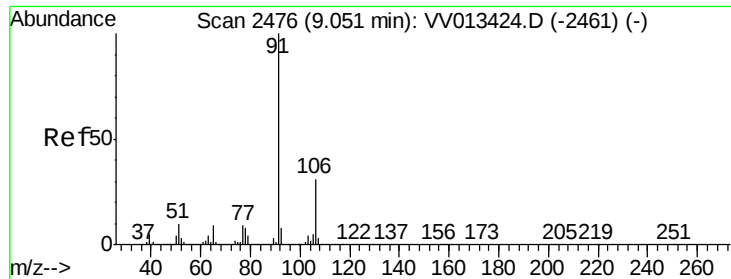
164 100

129 88.0 63.4 117.8

131 84.4 60.3 112.1

166 132.0 90.8 168.6





#52

Ethylbenzene

Concen: 0.372 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

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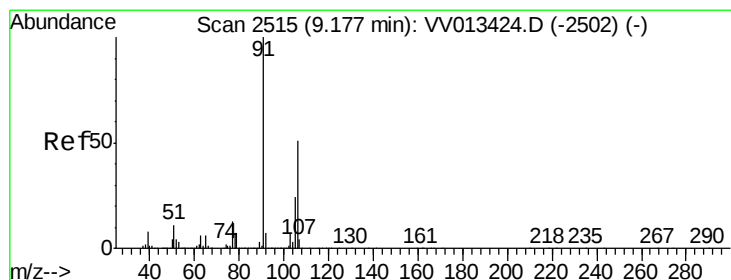
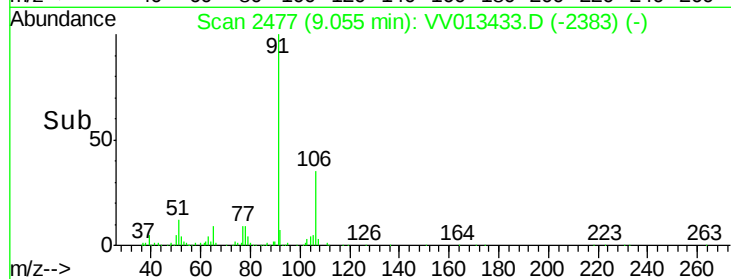
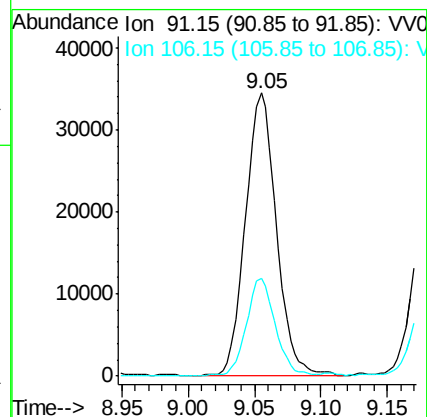
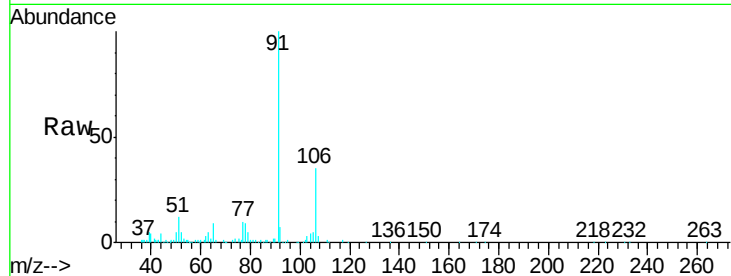
GAQD8

Tgt Ion: 91 Resp: 56237

Ion Ratio Lower Upper

91 100

106 34.6 21.5 39.9



#53

m,p-xylene

Concen: 0.299 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013433.D

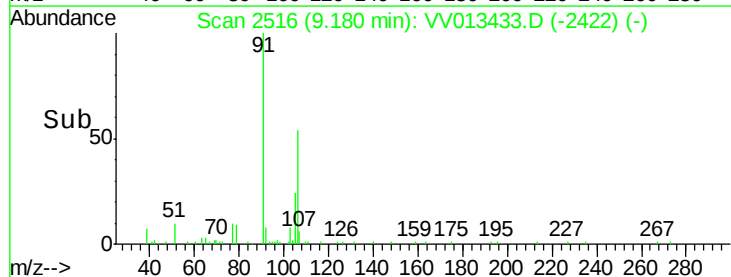
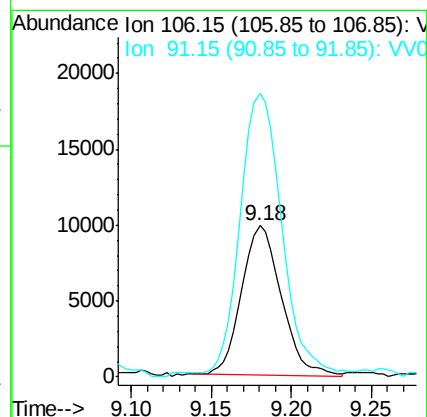
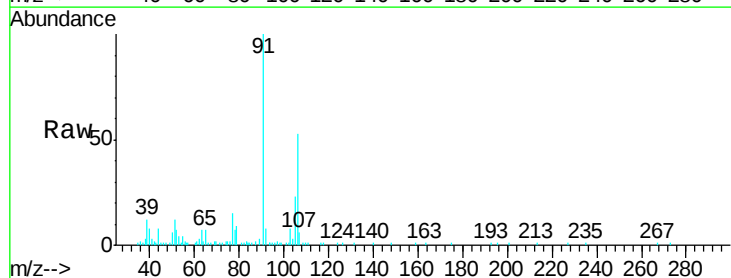
Acq: 30 Oct 2019 15:02

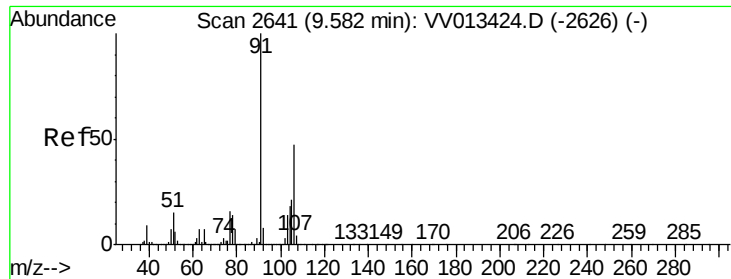
Tgt Ion: 106 Resp: 16704

Ion Ratio Lower Upper

106 100

91 187.3 144.3 267.9





#54

o-xylene

Concen: 0.100 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

Instrument :

MSVOA_V

ClientSampleId :

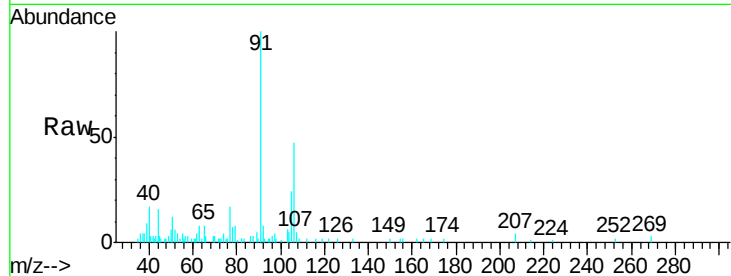
GAQD8

Tgt Ion:106 Resp: 5418

Ion Ratio Lower Upper

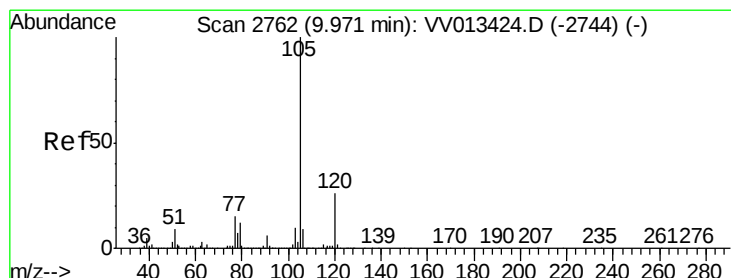
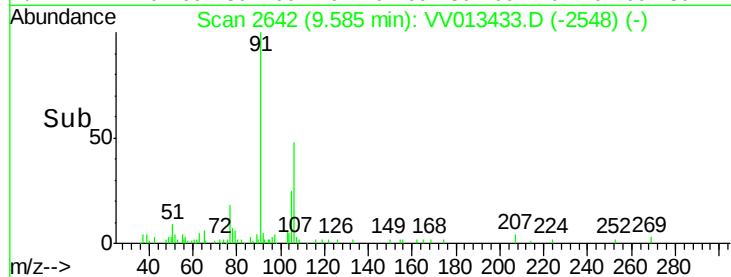
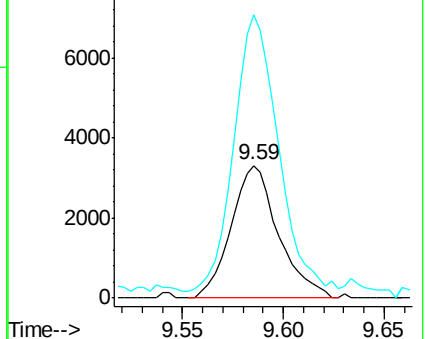
106 100

91 213.8 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.102 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013433.D

Acq: 30 Oct 2019 15:02

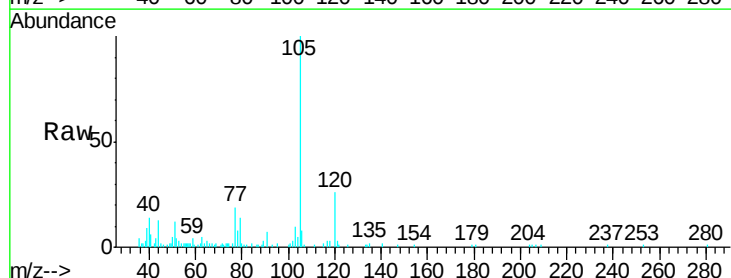
Tgt Ion:105 Resp: 14760

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.0 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

