

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111919\
 Data File : VV013677.D
 Acq On : 19 Nov 2019 14:46
 Operator : SY/MD
 Sample : K5910-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ3

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 10:56:56 AM

Quant Time: Nov 20 02:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 01:31:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	347243	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	342303	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	154431	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100378	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	95699	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.13	63	141159	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.93	46	277062	55.85	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.70%
24) Chloroform-d	4.40	84	237907	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	121893	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.10	84	464276	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.11	67	149384	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.36	98	382021	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.66	79	49677	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.13	63	188361	45.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	97941	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	162989	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

				Ovalue
13) Acetone	2.19	43	4597m	1.469 ug/L
14) Carbon disulfide	2.32	76	6573	0.092 ug/L # 92
22) cis-1,2-Dichloroethene	3.96	96	46881	1.766 ug/L # 95
34) Trichloroethene	5.96	95	69824	2.518 ug/L 97
42) Toluene	7.44	91	9866	0.089 ug/L 97
47) Tetrachloroethene	8.02	164	2956	0.115 ug/L 78
63) 1,4-Dichlorobenzene	11.32	146	14022	0.267 ug/L 95

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

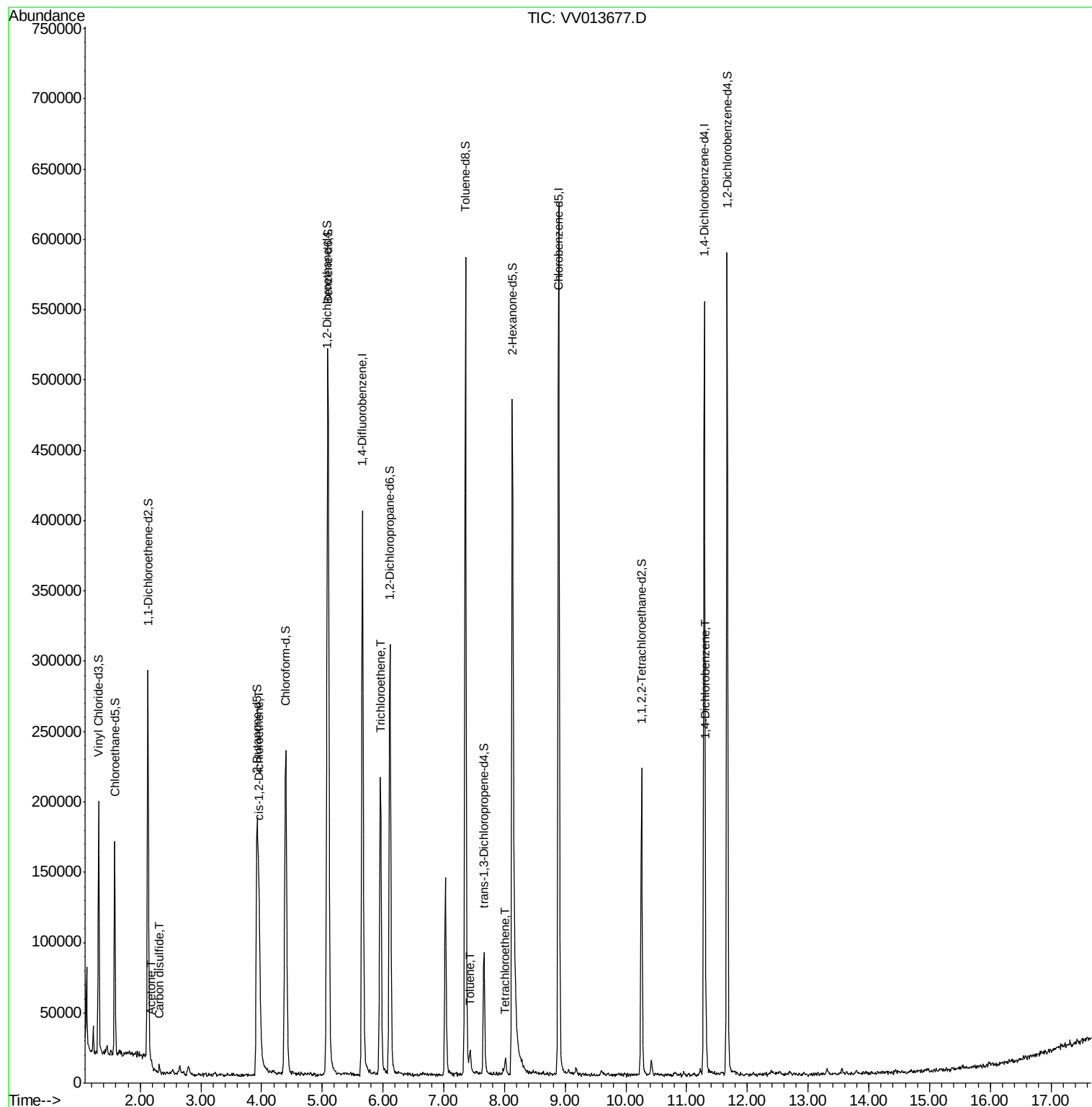
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV111919\
Data File : VV013677.D
Acq On : 19 Nov 2019 14:46
Operator : SY/MD
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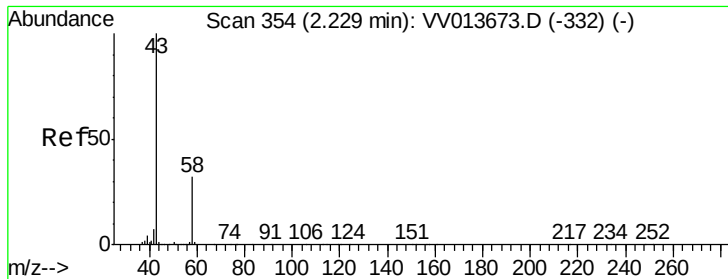
Instrument :
MSVOA_V
ClientSampleId :
GAQJ3

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Quant Time: Nov 20 02:01:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.469 ug/L m

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

GAQJ3

Tot Ion: 43 Resp: 4597

Ion Ratio Lower Upper

43 100

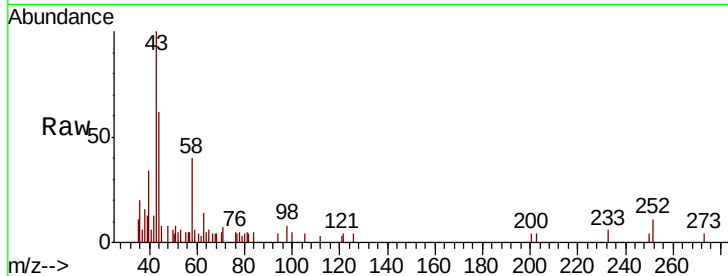
58 0.0 0.0 17.0

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

3000

2000

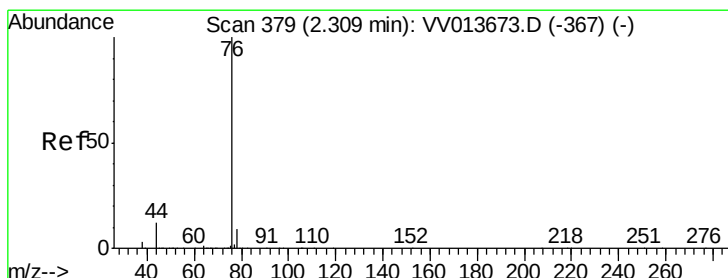
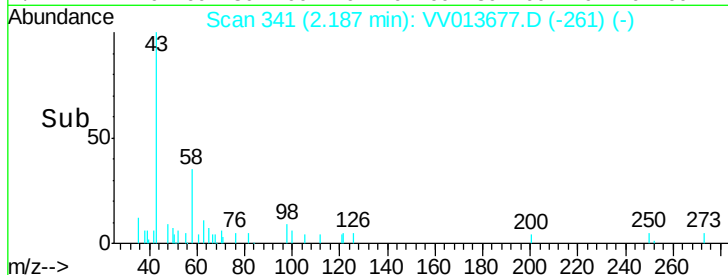
1000

0

Time-->

2.15

2.20



#14

Carbon disulfide

Concen: 0.092 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013677.D

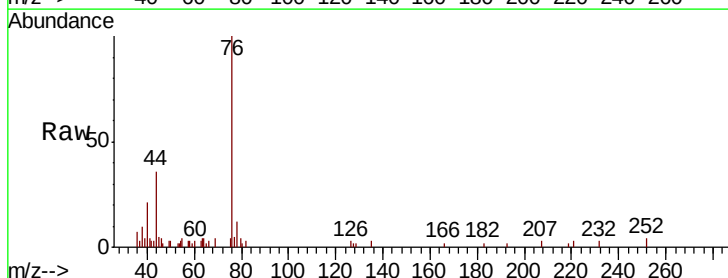
Acq: 19 Nov 2019 14:46

Tgt Ion: 76 Resp: 6573

Ion Ratio Lower Upper

76 100

78 12.1 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

5000

4000

3000

2000

1000

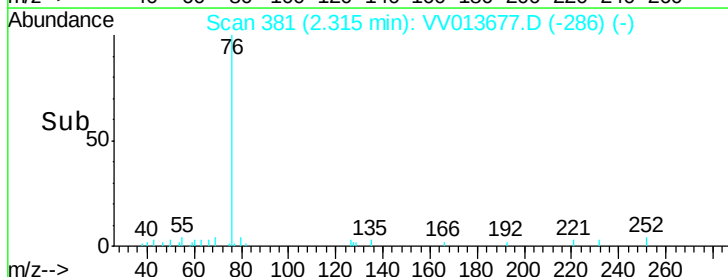
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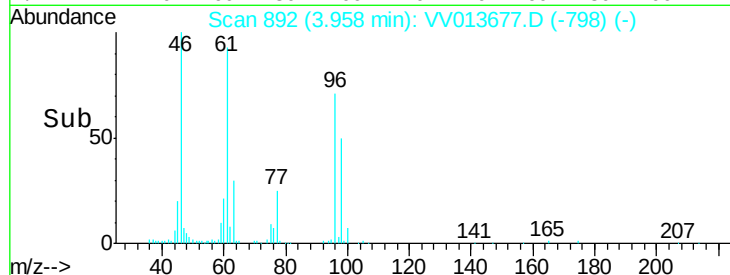
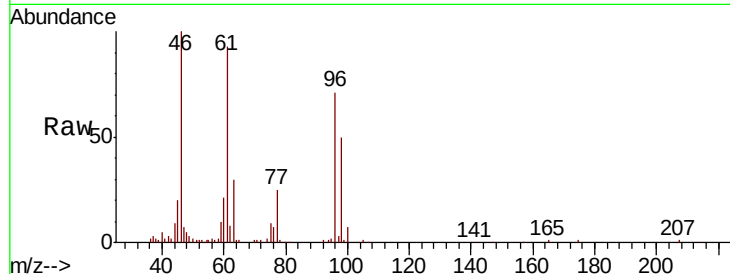
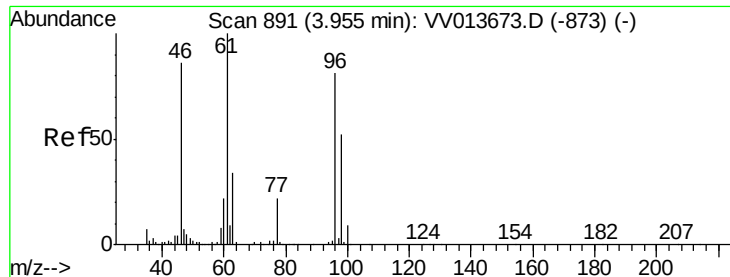
Time-->

2.25

2.30

2.35





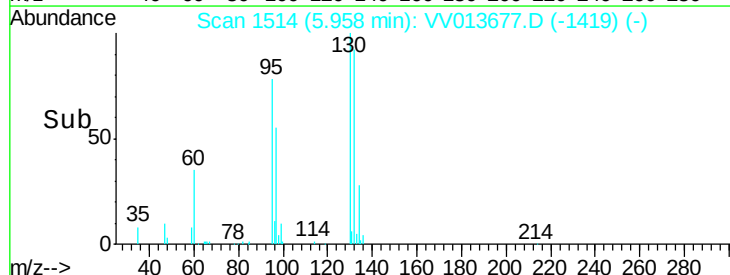
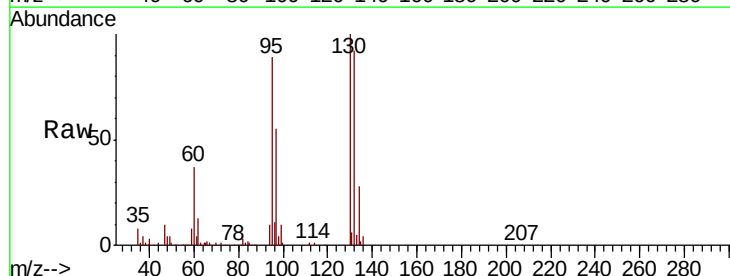
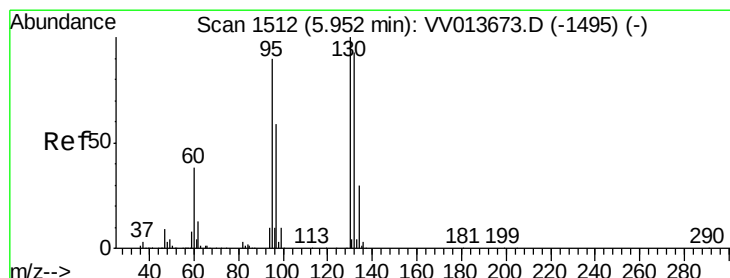
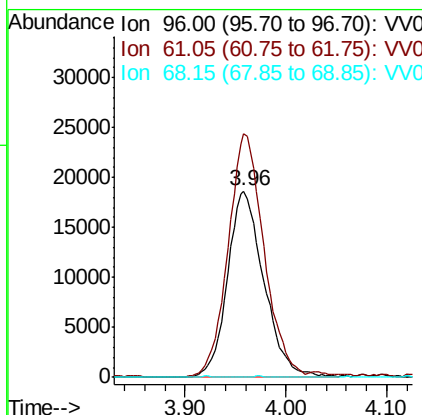
#22
 cis-1,2-Dichloroethene
 Concen: 1.766 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013677.D
 Acq: 19 Nov 2019 14:46

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	87.7	162.9
68	0.0	0.1	0.3#

Instrument :
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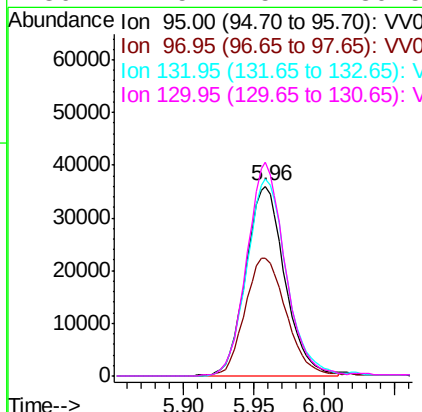
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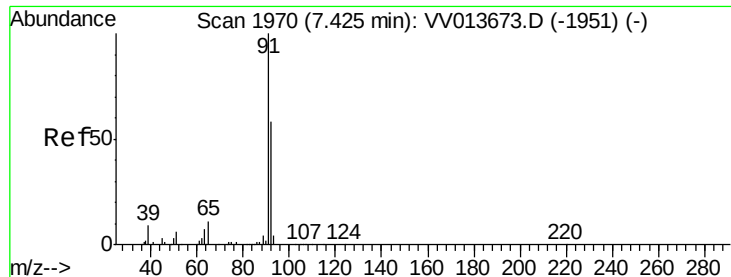
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#34
 Trichloroethene
 Concen: 2.518 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.01 min
 Lab File: VV013677.D
 Acq: 19 Nov 2019 14:46

Tgt Ion	Ratio	Lower	Upper
95	100		
97	62.3	44.8	83.2
132	103.7	72.9	135.3
130	112.5	75.1	139.5





#42

Toluene

Concen: 0.089 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

GAQJ3

Tot Ion: 91 Resp: 9866

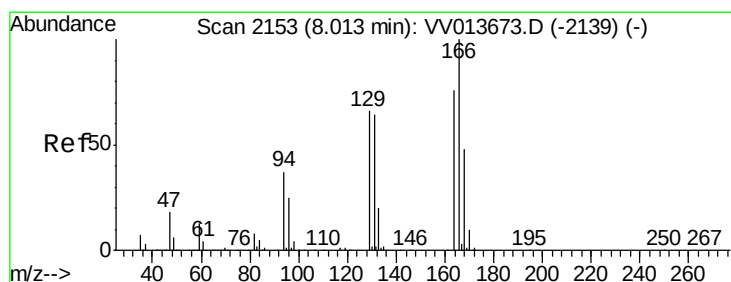
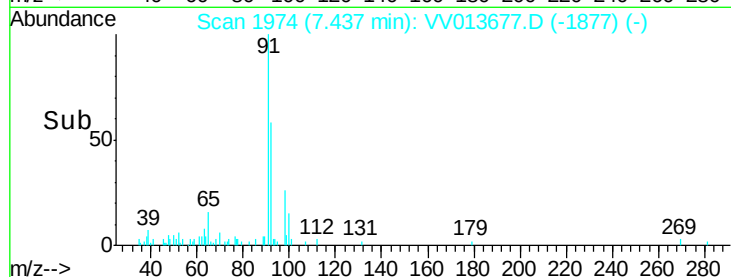
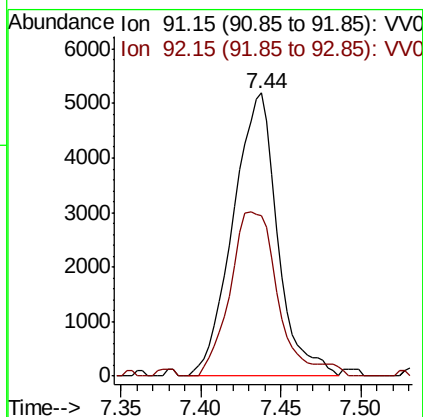
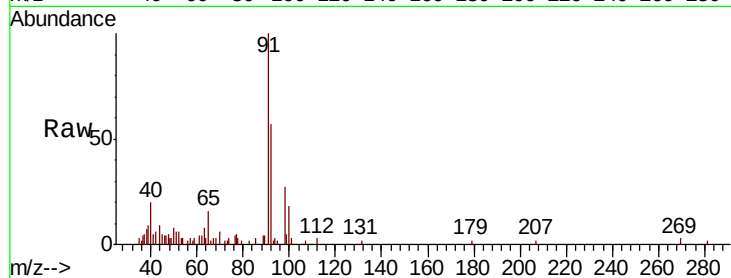
Ion Ratio Lower Upper

91 100

92 56.8 41.2 76.6

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#47

Tetrachloroethene

Concen: 0.115 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Tgt Ion: 164 Resp: 2956

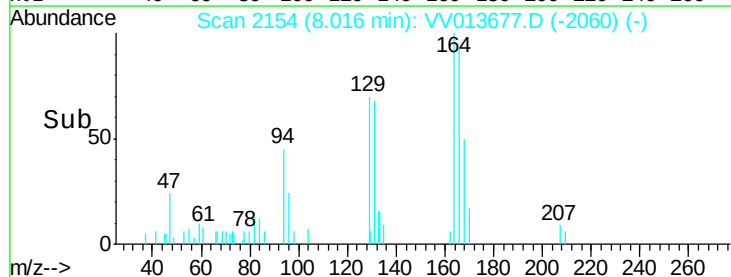
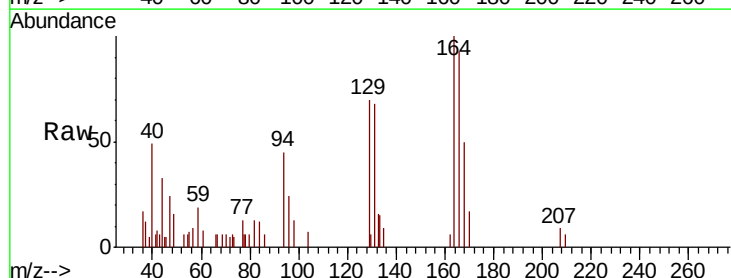
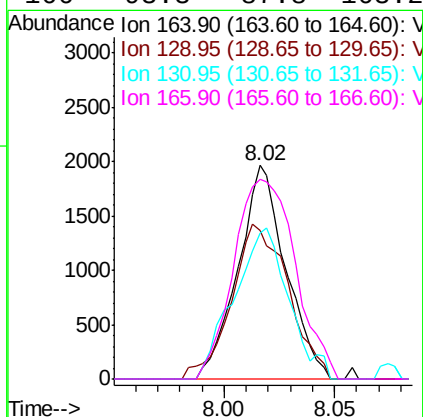
Ion Ratio Lower Upper

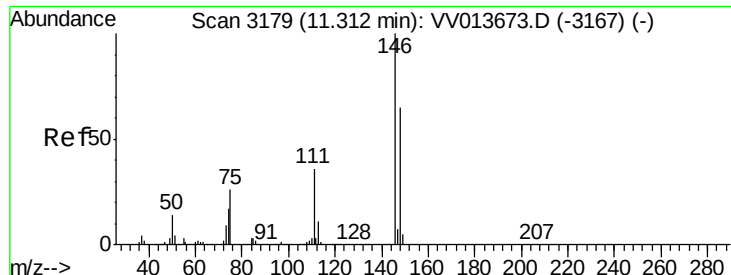
164 100

129 69.7 59.1 109.9

131 68.2 58.9 109.5

166 93.3 87.8 163.2





#63
 1,4-Dichlorobenzene
 Concen: 0.267 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013677.D
 Acq: 19 Nov 2019 14:46

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ3

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	25.6	47.6
148	68.2	45.6	84.8

Manual Integrations
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