

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV016001.D
 Acq On : 11 May 2020 20:04
 Operator : SY/MD
 Sample : L2541-11MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4249MS

Manual Integrations
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Quant Time: May 12 06:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138892	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137186	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	61311	5.00	ug/L	0.00

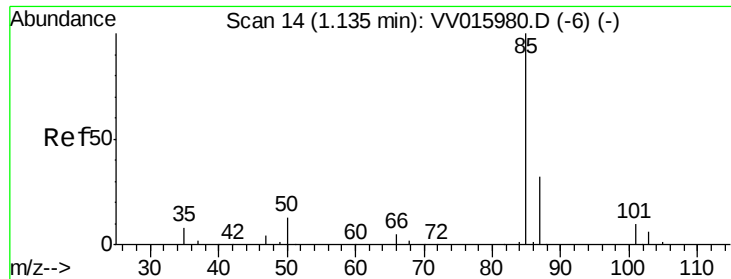
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31297	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	33072	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	78035	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	3.94	46	115367	53.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.34%
24) Chloroform-d	4.38	84	77067	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.06	65	48705	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.08	84	161772	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.10	67	51862	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	142773	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
45) trans-1,3-Dichloropropene-	7.65	79	13412	3.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.60%
48) 2-Hexanone-d5	8.12	63	76822	44.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.44%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	36386	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	54473	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1960	0.184	ug/L	100
12) 1,1-Dichloroethene	2.14	96	44362	5.804	ug/L	# 79
13) Acetone	2.23	43	3649m	2.574	ug/L	
17) Methyl tert-butyl Ether	2.79	73	10077	0.507	ug/L	94
25) Chloroform	4.41	83	9510	0.531	ug/L	91
33) Benzene	5.13	78	219522	6.360	ug/L	100
34) Trichloroethene	5.94	95	55117	5.595	ug/L	96
42) Toluene	7.41	91	230505	6.301	ug/L	99
53) Chlorobenzene	8.90	112	152655	6.488	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.184 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016001.D

Acq: 11 May 2020 20:04

Instrument :

MSVOA_V

ClientSampleId :

H4249MS

Tot Ion: 85 Resp: 1960

Ion Ratio Lower Upper

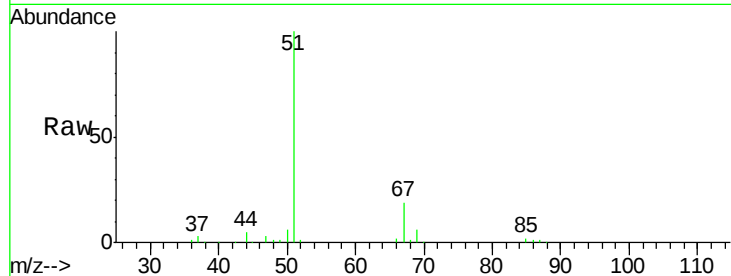
85 100

87 33.2 26.4 39.6

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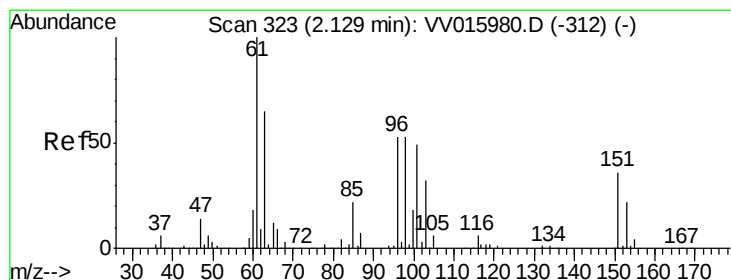
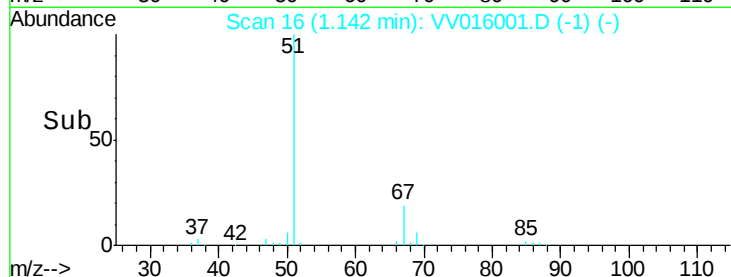
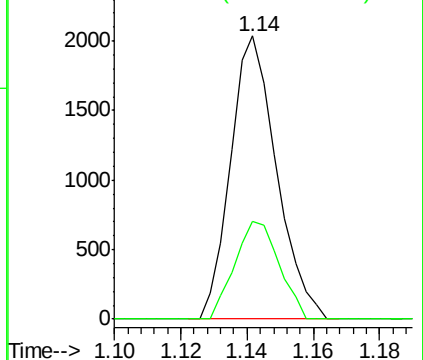
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 5.804 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016001.D

Acq: 11 May 2020 20:04

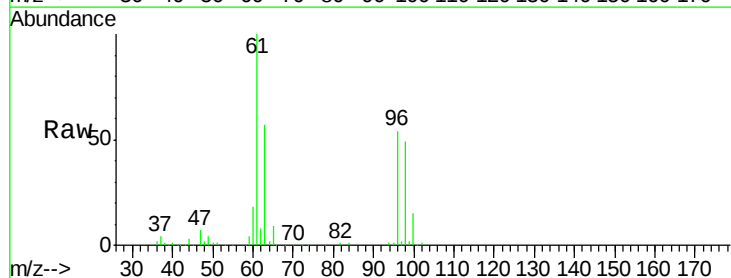
Tgt Ion: 96 Resp: 44362

Ion Ratio Lower Upper

96 100

61 185.6 139.9 259.7

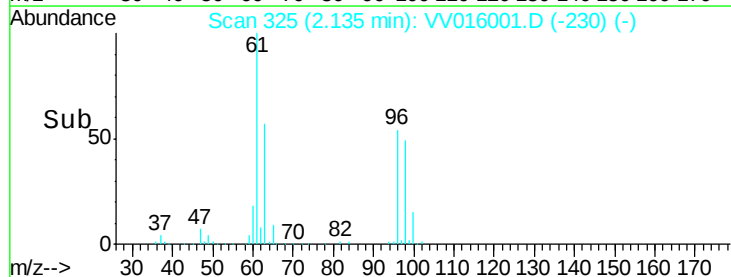
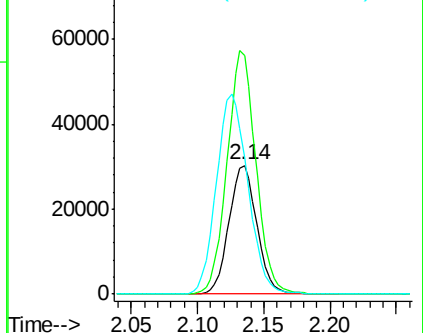
63 106.1 106.4 197.6#

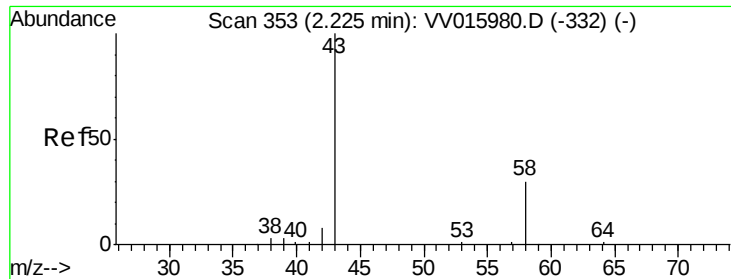


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.574 ug/L m

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV016001.D

Acq: 11 May 2020 20:04

Instrument :

MSVOA_V

ClientSampleId :

H4249MS

Tot Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

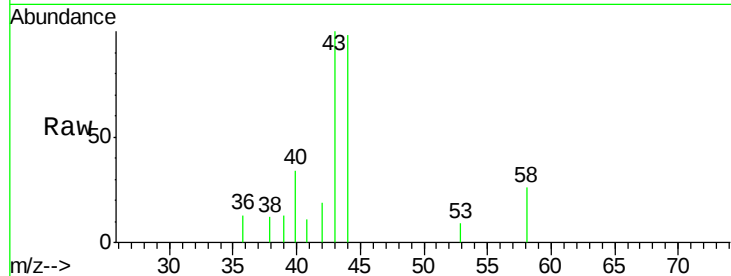
58 25.3 0.0 30.8

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Abundance Ion 43.05 (42.75 to 43.75): VV015980.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015980.D (-332) (-)

2.23

1200

1000

800

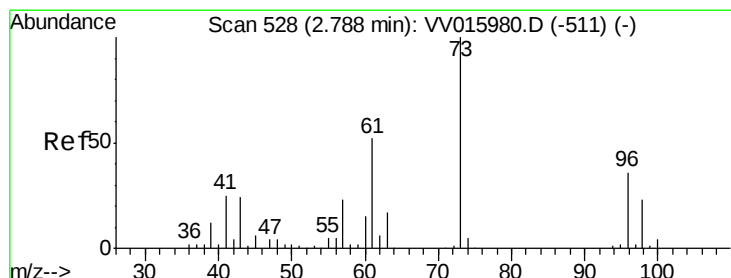
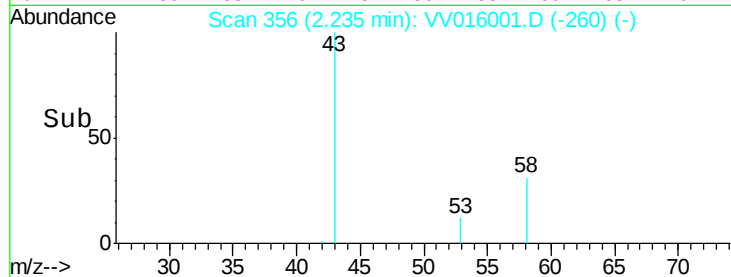
600

400

200

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.507 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV016001.D

Acq: 11 May 2020 20:04

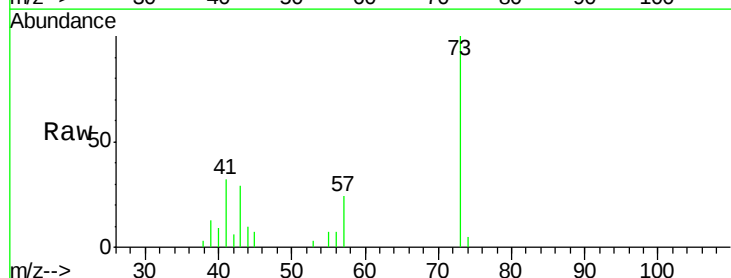
Tgt Ion: 73 Resp: 10077

Ion Ratio Lower Upper

73 100

43 27.4 18.8 28.2

57 24.3 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV015980.D (-511) (-)

Ion 43.05 (42.75 to 43.75): VV015980.D (-511) (-)

Ion 57.10 (56.80 to 57.80): VV015980.D (-511) (-)

2.79

6000

5000

4000

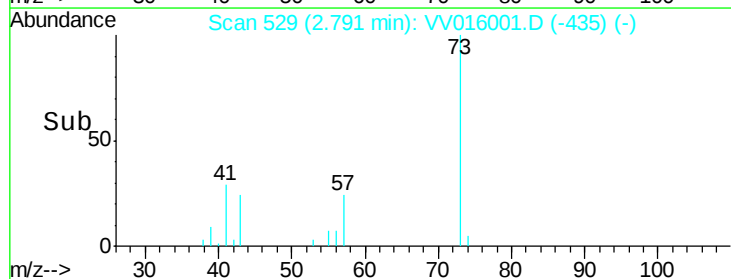
3000

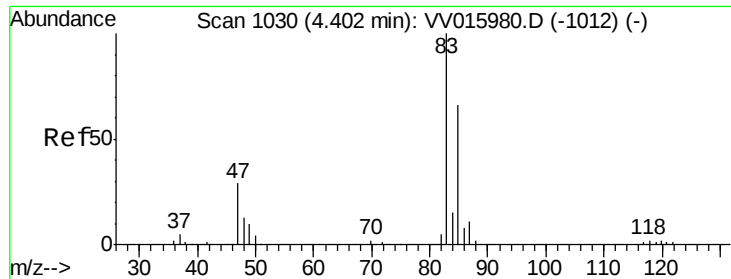
2000

1000

0

Time-->





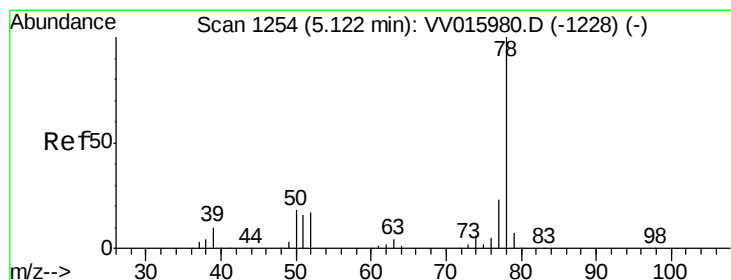
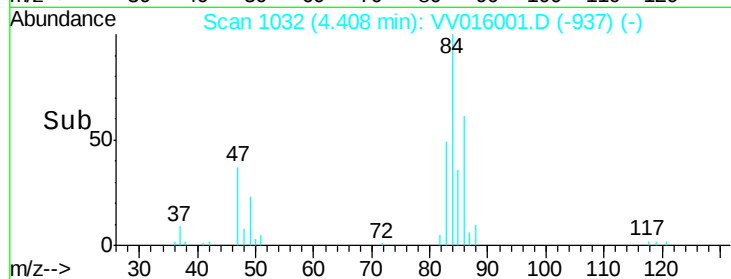
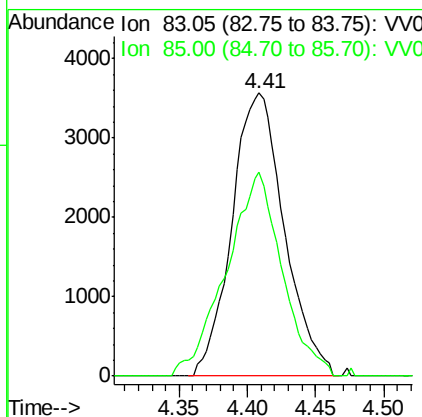
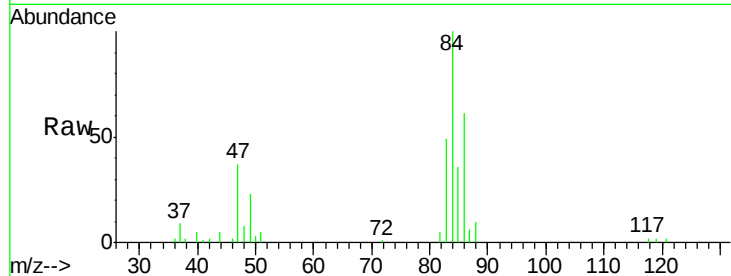
#25
Chloroform
Concen: 0.531 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016001.D
Acq: 11 May 2020 20:04

Instrument :
MSVOA_V
ClientSampleId :
H4249MS

Tot Ion: 83 Resp: 9510
Ion Ratio Lower Upper
83 100
85 72.1 45.7 84.9

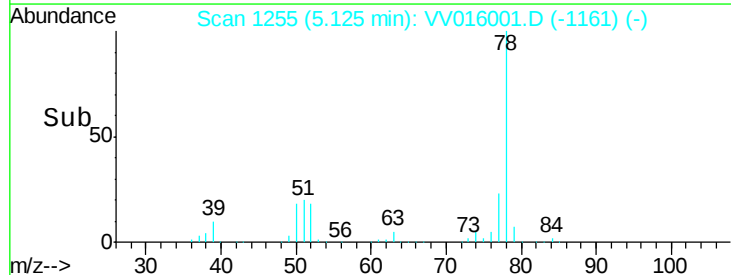
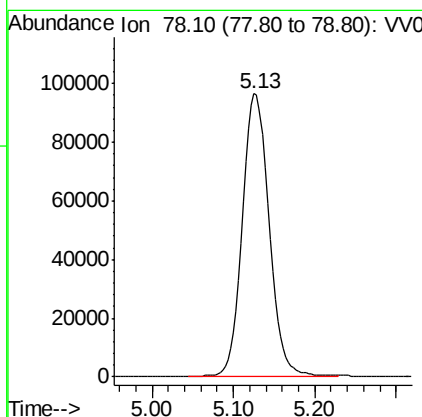
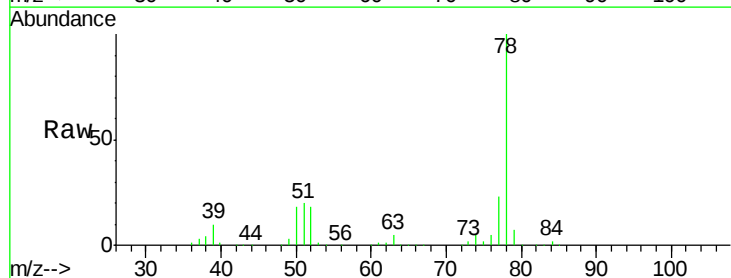
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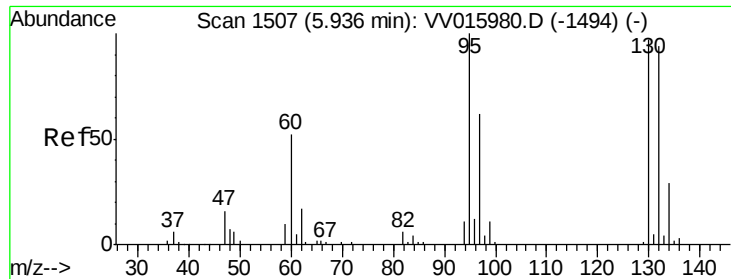
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#33
Benzene
Concen: 6.360 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV016001.D
Acq: 11 May 2020 20:04

Tgt Ion: 78 Resp: 219522





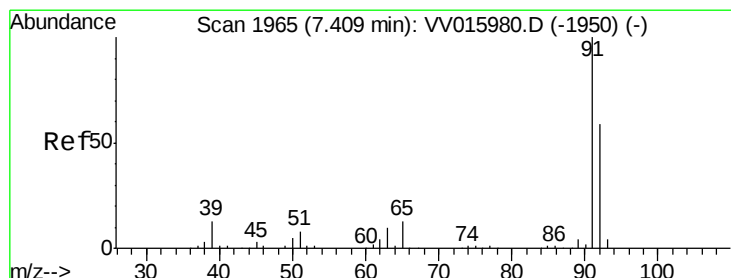
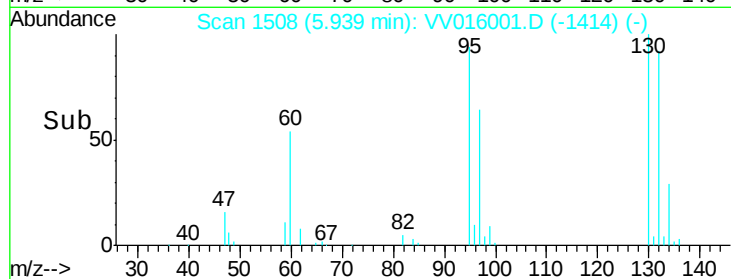
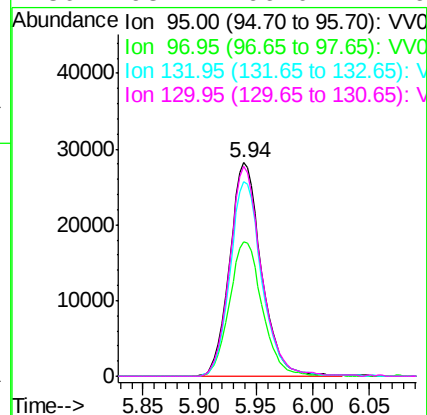
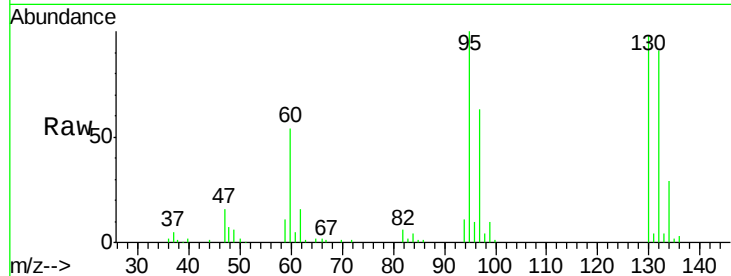
#34
 Trichloroethene
 Concen: 5.595 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016001.D
 Acq: 11 May 2020 20:04

Instrument :
 MSVOA_V
 ClientSampled :
 H4249MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		55117		
97	62.9	43.3	80.5		
132	90.8	60.3	112.1		
130	98.4	66.0	122.6		

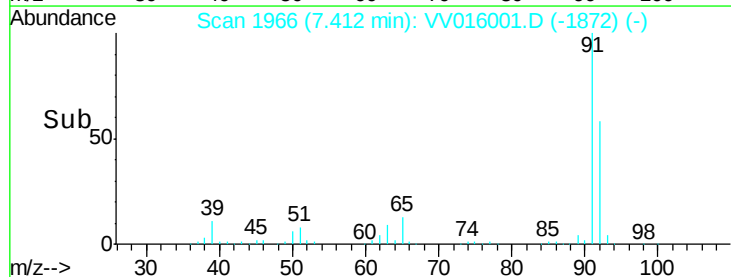
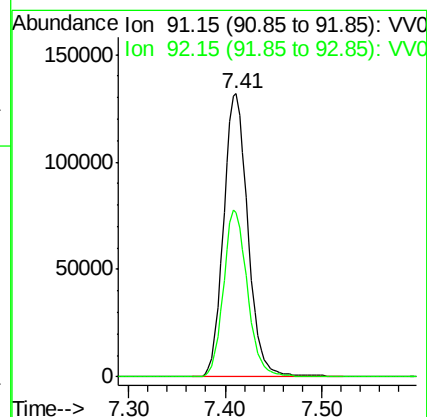
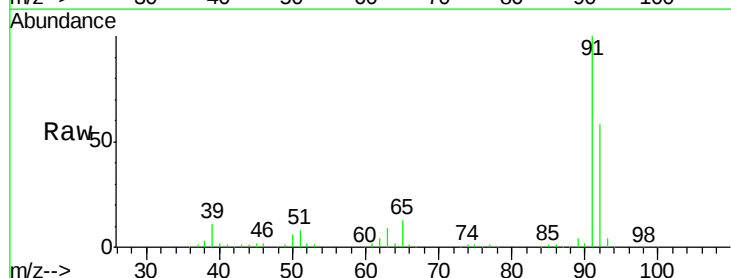
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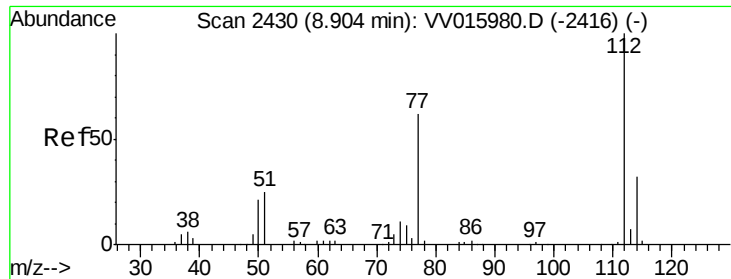
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#42
 Toluene
 Concen: 6.301 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016001.D
 Acq: 11 May 2020 20:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		230505		
92	58.2	40.1	74.5		





#53
 Chlorobenzene
 Concen: 6.488 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016001.D
 Acq: 11 May 2020 20:04

Instrument :
 MSVOA_V
 ClientSampleId :
 H4249MS

Tot Ion:	112	Resp:	152655
Ion Ratio	Lower	Upper	
112	100		
114	32.0	21.6	40.0
77	61.8	48.6	73.0

Manual Integrations
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