

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083019\
 Data File : VV012483.D
 Acq On : 31 Aug 2019 06:52
 Operator : SY/MD
 Sample : K4607-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD64

Manual Integrations
 APPROVED

MMDadoda
 9/2/2019 11:10:59 AM

Quant Time: Aug 31 13:16:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 12:27:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	297728	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	294996	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	158339	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	75430	2.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.80%
7) Chloroethane-d5	1.58	69	54366	2.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	56.60%#
11) 1,1-Dichloroethene-d2	2.12	63	92260	2.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	42.40%#
20) 2-Butanone-d5	4.01	46	150883	27.90	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	55.80%
24) Chloroform-d	4.40	84	146195	3.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.20%#
26) 1,2-Dichloroethane-d4	5.08	65	75830	3.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.40%#
32) Benzene-d6	5.09	84	303883	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.00%#
36) 1,2-Dichloropropane-d6	6.12	67	94611	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	67.60%
41) Toluene-d8	7.36	98	258280	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
43) trans-1,3-Dichloropropene-	7.67	79	31870	3.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.40%
46) 2-Hexanone-d5	8.14	63	156331	40.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72023	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	98619	3.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.00%#

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.14	96	6890	0.305 ug/L	# 1
13) Acetone	2.27	43	12208	3.089 ug/L	92
14) Carbon disulfide	2.31	76	36069	0.523 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	7838	0.271 ug/L	94
19) 1,1-Dichloroethane	3.22	63	61841	1.093 ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	5004623	165.433 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	156859	3.283 ug/L	99
34) Trichloroethene	5.96	95	16511214	530.678 ug/L	96
42) Toluene	7.43	91	224199	1.794 ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	3395	0.161 ug/L	89
47) Tetrachloroethene	8.02	164	296604	11.908 ug/L	99
52) Ethylbenzene	9.05	91	185598	1.405 ug/L	100
53) m,p-xylene	9.18	106	279452	5.771 ug/L	99
54) o-xylene	9.59	106	710620	15.030 ug/L	96
56) Isopropylbenzene	9.97	105	399162	3.206 ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	6760	0.102 ug/L	97
69) Naphthalene	13.55	128	32433400m	618.341 ug/L	

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Manual Integrations
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Quant Time: Aug 31 13:16:42 2019
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

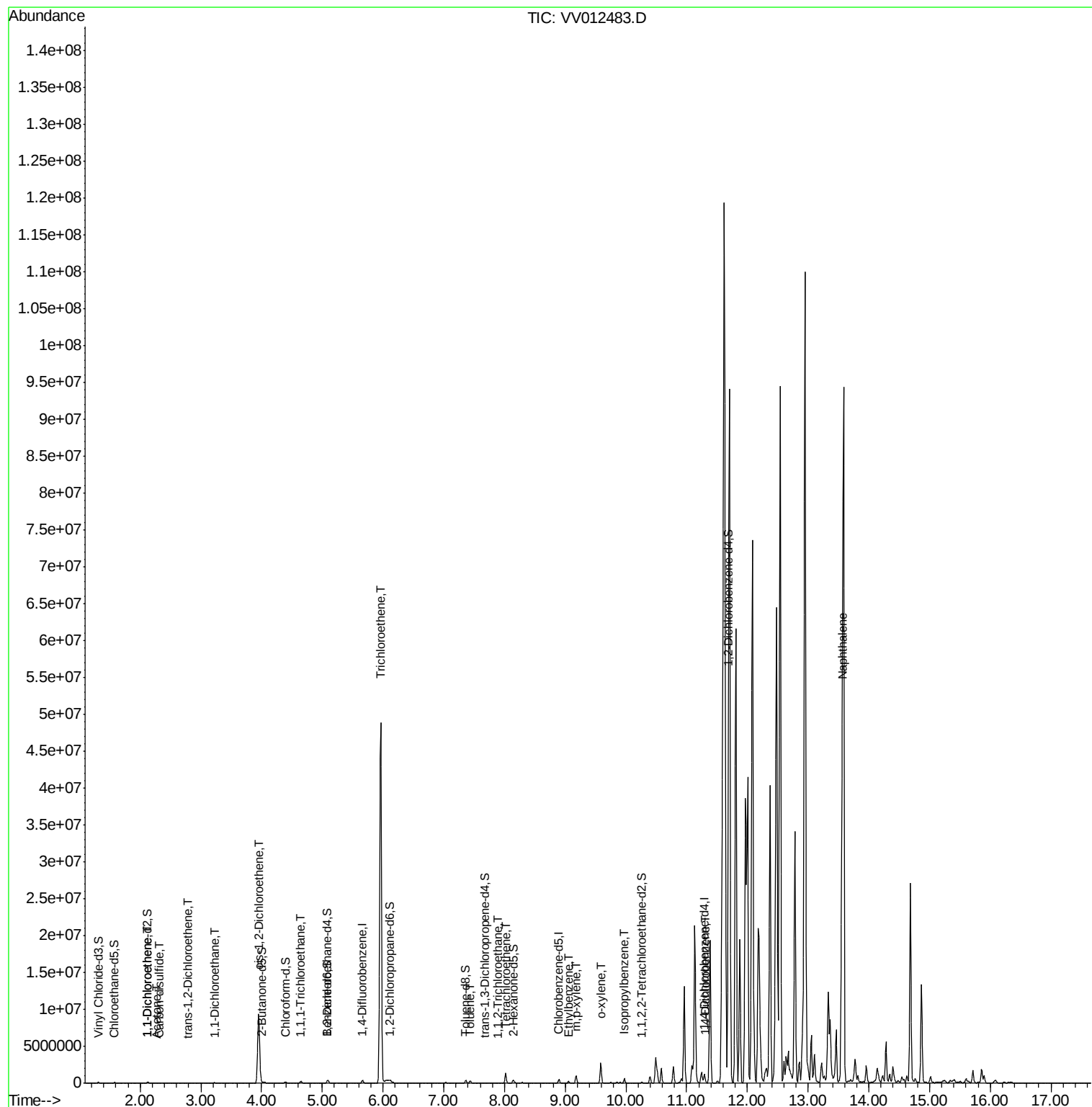
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Data File : VV012483.D
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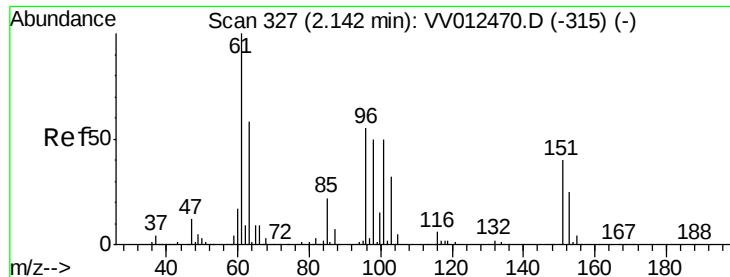
Instrument :
MSVOA_V
ClientSampleId :
BFD64

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9/2/2019 11:10:59 AM

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QLast Update : Sat Aug 31 12:27:36 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.305 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Instrument :

MSVOA_V

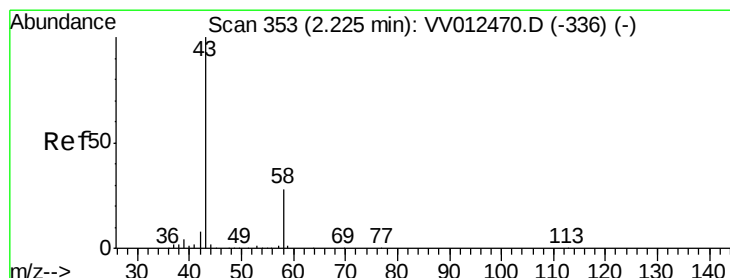
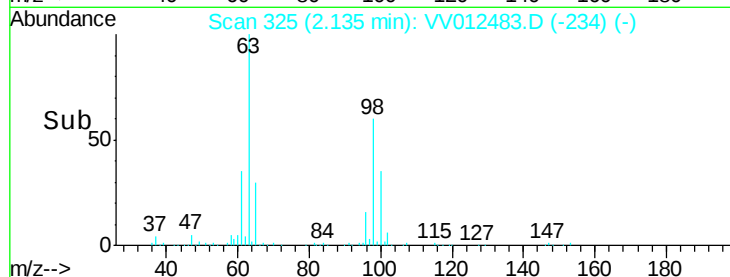
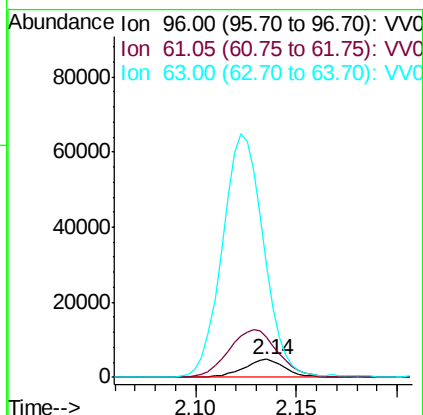
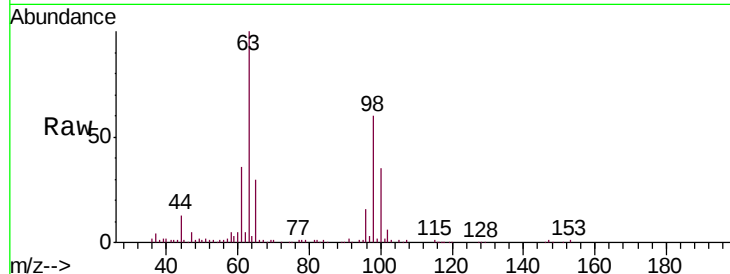
ClientSampleId :

BFD64

Tgt Ion:	96	Resp:	6890
Ion	Ratio	Lower	Upper
96	100		
61	224.4	127.8	237.4
63	629.2	78.2	145.2#

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#13

Acetone

Concen: 3.089 ug/L

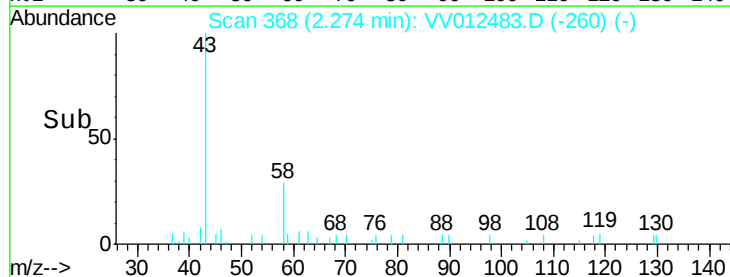
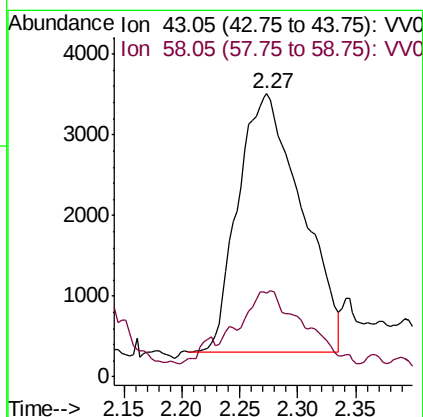
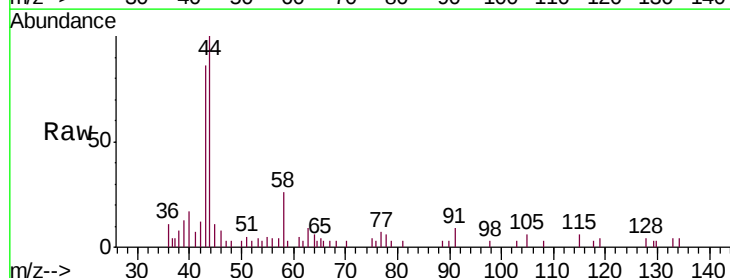
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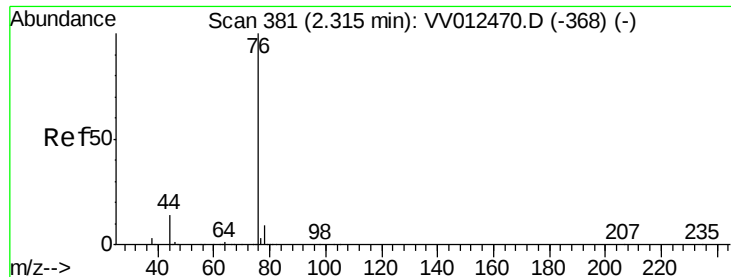
Delta R.T. 0.05 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Tgt Ion:	43	Resp:	12208
Ion	Ratio	Lower	Upper
43	100		
58	24.1	0.0	56.8





#14

Carbon disulfide

Concen: 0.523 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Instrument :

MSVOA_V

ClientSampled :

BFD64

Tgt Ion: 76 Resp: 36069

Ion Ratio Lower Upper

76 100

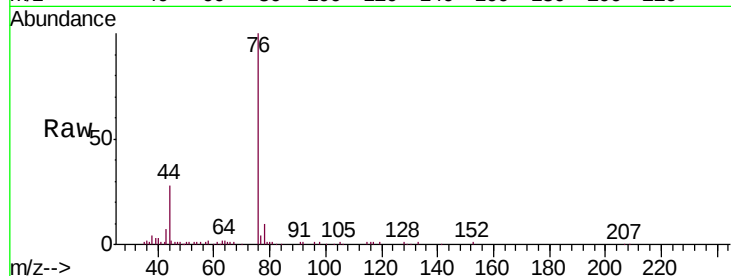
78 9.7 7.2 10.8

Manual Integrations

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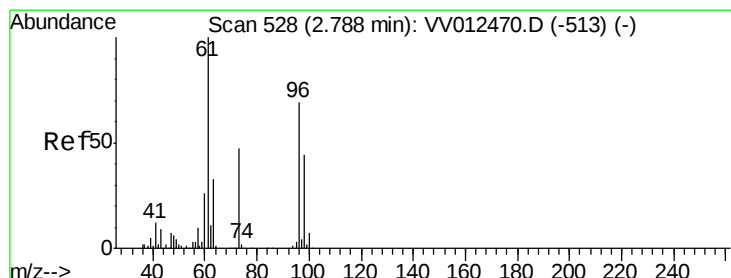
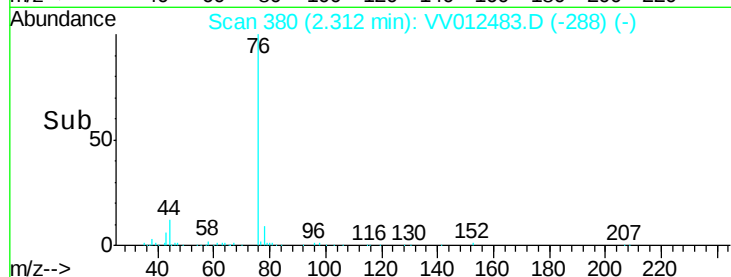
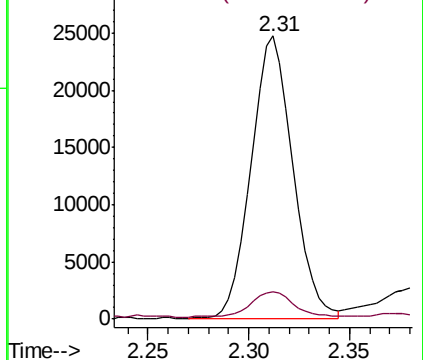
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Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.271 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

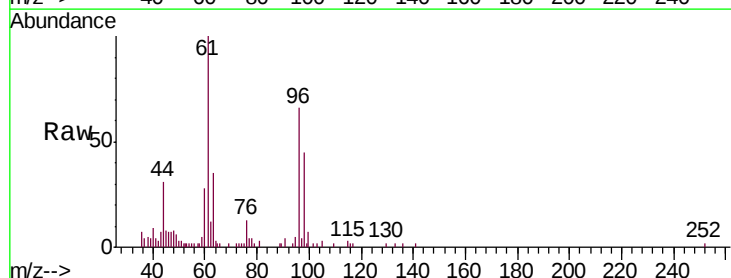
Tgt Ion: 96 Resp: 7838

Ion Ratio Lower Upper

96 100

61 151.8 101.2 188.0

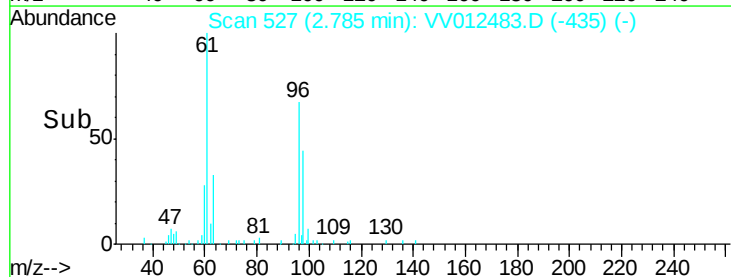
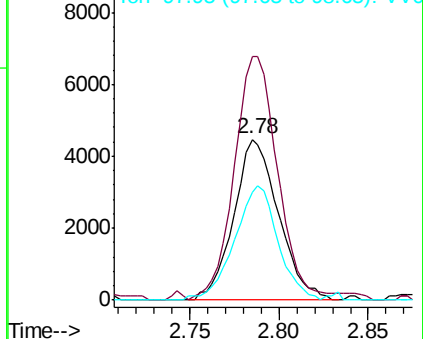
98 67.7 44.1 81.9

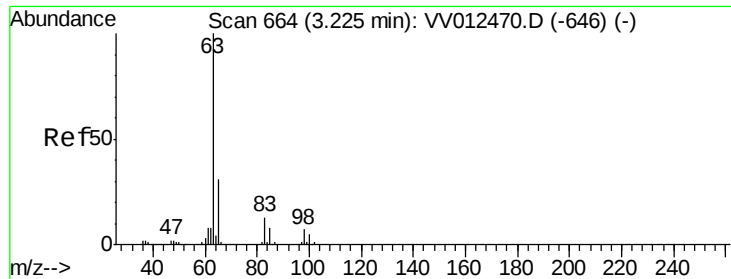


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





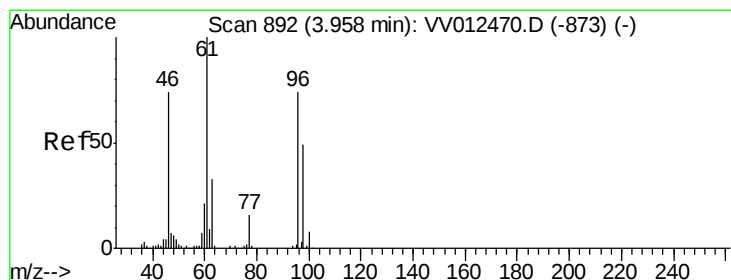
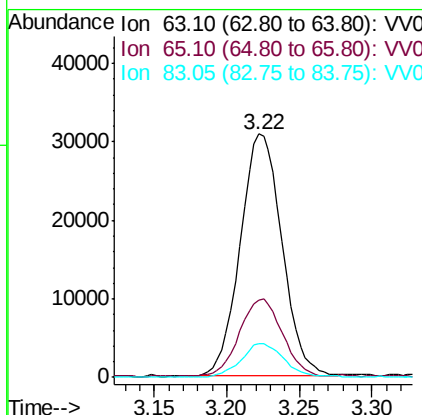
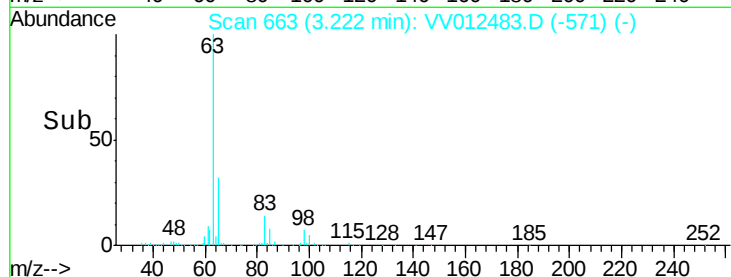
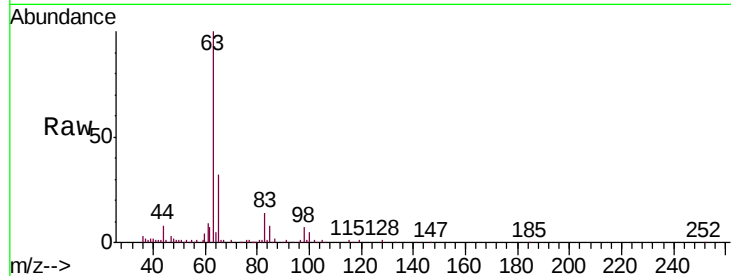
#19
 1,1-Dichloroethane
 Concen: 1.093 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012483.D
 Acq: 31 Aug 2019 06:52

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD64

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.6	40.2
83	14.1	9.0	16.8

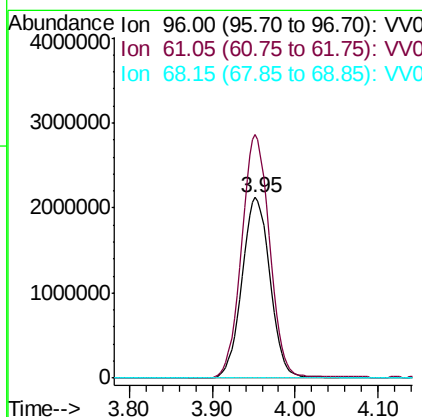
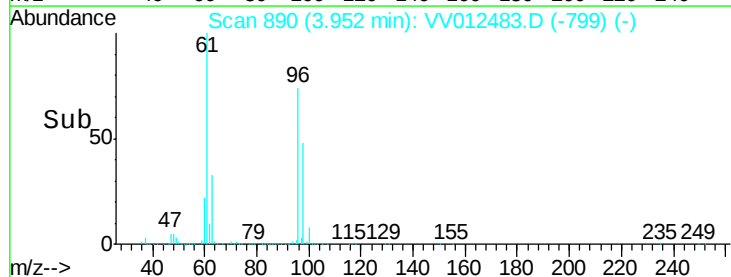
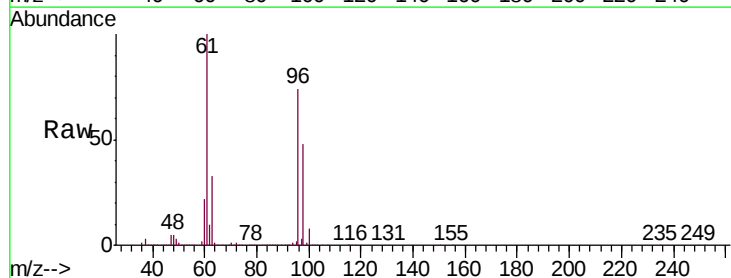
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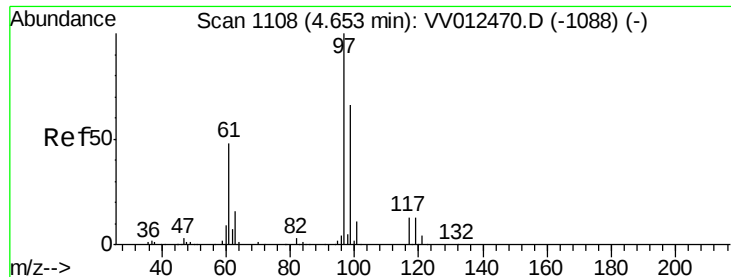
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#22
 cis-1,2-Dichloroethene
 Concen: 165.433 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV012483.D
 Acq: 31 Aug 2019 06:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.0	91.5	169.9
68	0.0	0.0	0.0





#29

1,1,1-Trichloroethane

Concen: 3.283 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Instrument :

MSVOA_V

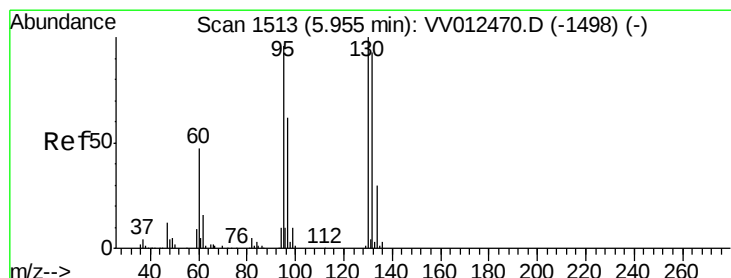
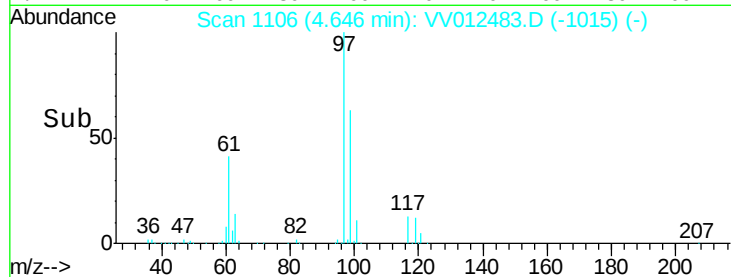
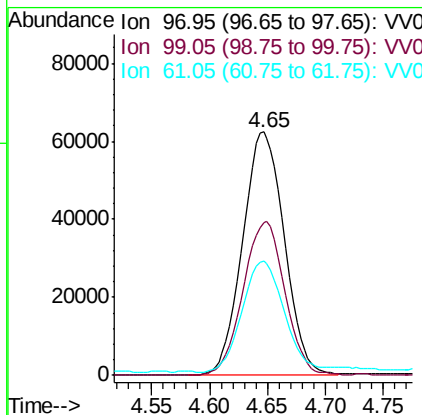
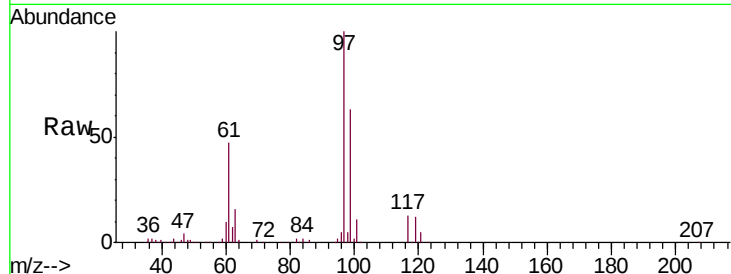
ClientSampleId :

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Tgt Ion:	97	Resp:	156859
Ion	Ratio	Lower	Upper
97	100		
99	63.1	49.8	74.6
61	46.6	36.7	55.1

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#34

Trichloroethene

Concen: 530.678 ug/L

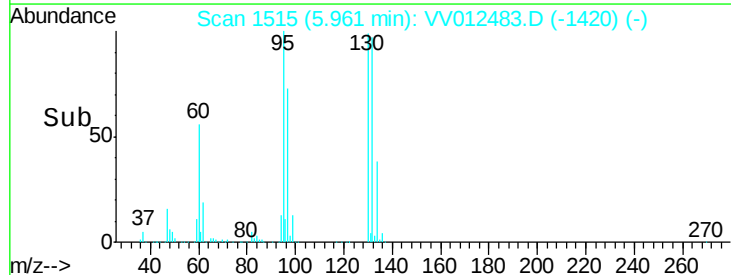
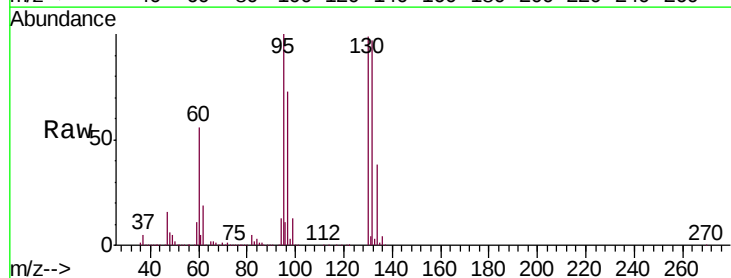
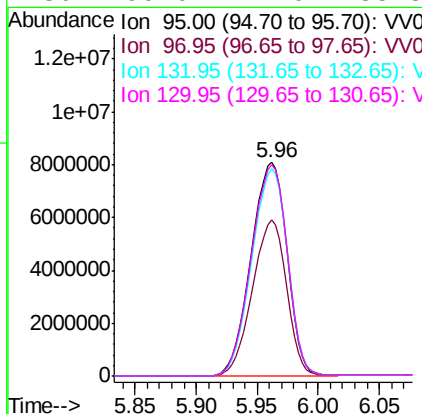
RT: 5.96 min Scan# 1515

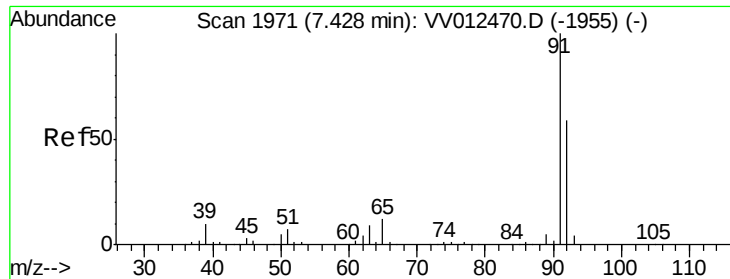
Delta R.T. 0.01 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Tgt Ion:	95	Resp:	16511214
Ion	Ratio	Lower	Upper
95	100		
97	72.9	45.8	85.2
132	97.0	68.3	126.9
130	99.0	72.0	133.8





#42

Toluene

Concen: 1.794 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Instrument :

MSVOA_V

ClientSampled :

BFD64

Tgt Ion: 91 Resp: 224199

Ion Ratio Lower Upper

91 100

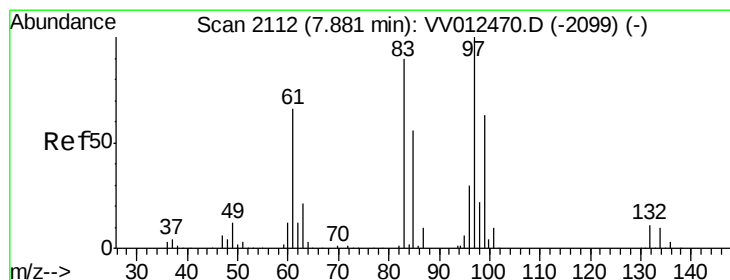
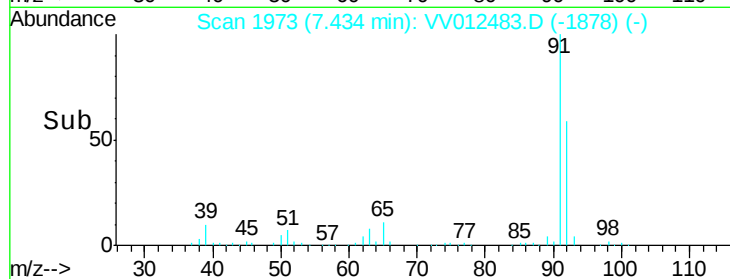
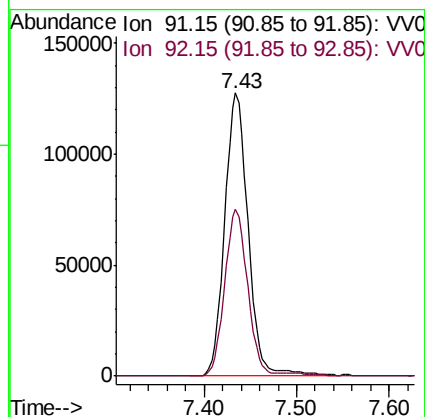
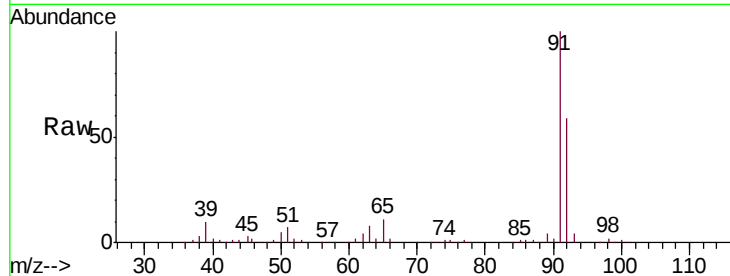
92 58.9 41.2 76.6

Manual Integrations

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#45

1,1,2-Trichloroethane

Concen: 0.161 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Tgt Ion: 97 Resp: 3395

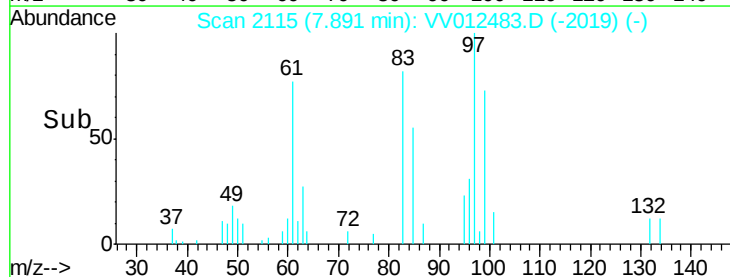
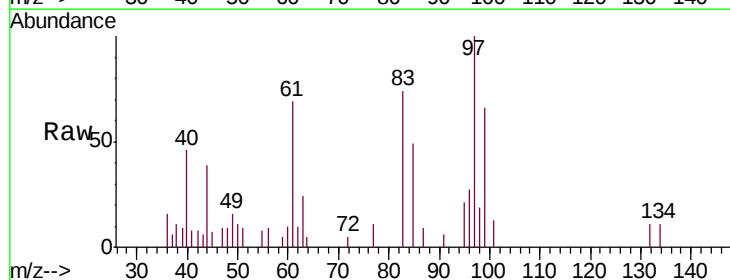
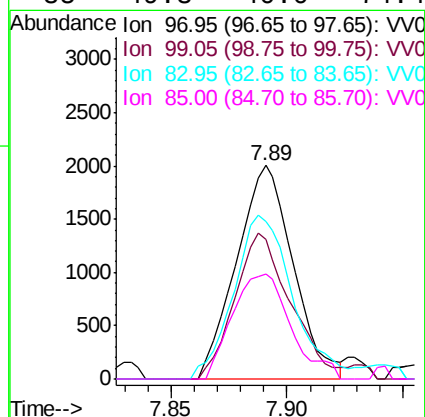
Ion Ratio Lower Upper

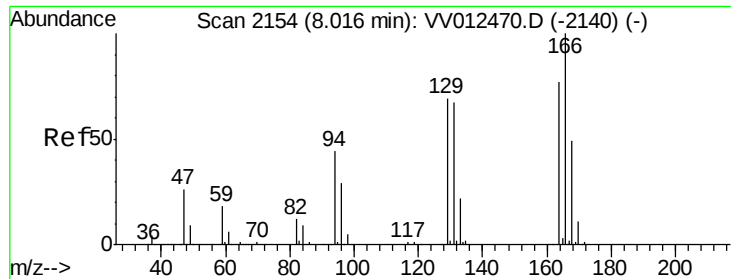
97 100

99 65.6 43.3 80.3

83 73.5 61.2 113.6

85 49.3 40.0 74.4





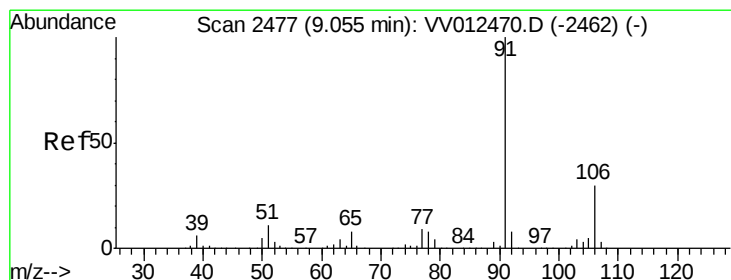
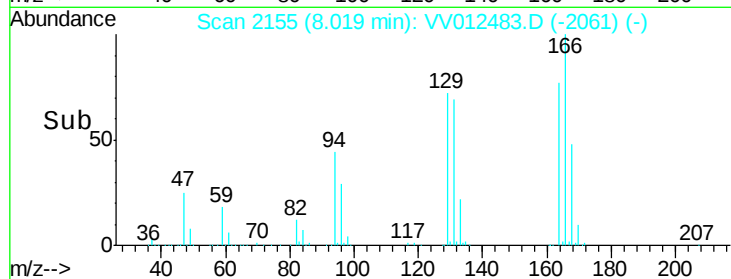
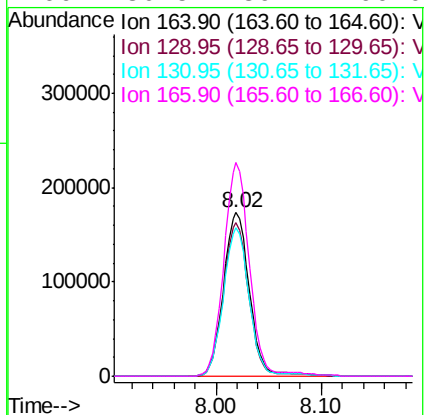
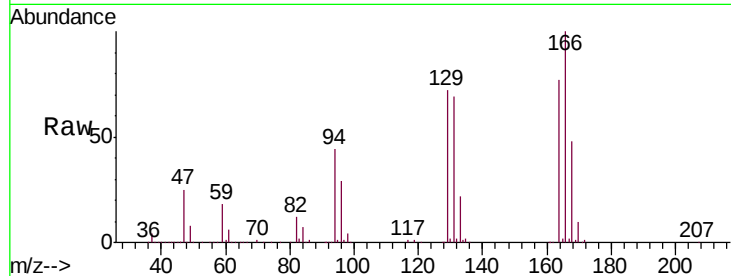
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Tetrachloroethene
Concen: 11.908 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012483.D
Acq: 31 Aug 2019 06:52

Instrument :
MSVOA_V
ClientSampleId :
BFD64

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	296604		
129	93.8	65.6	121.8	
131	90.5	63.3	117.5	
166	130.5	89.4	166.0	

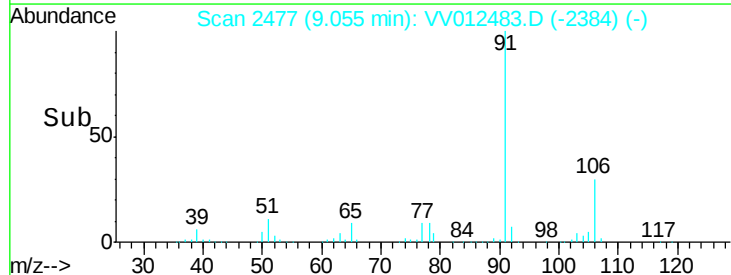
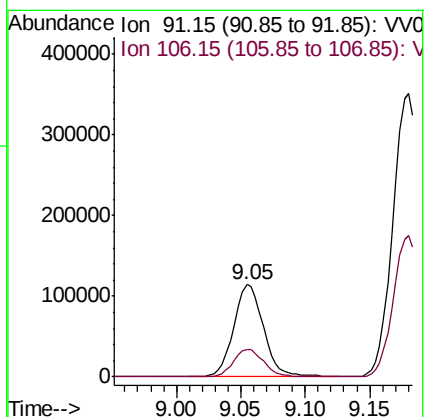
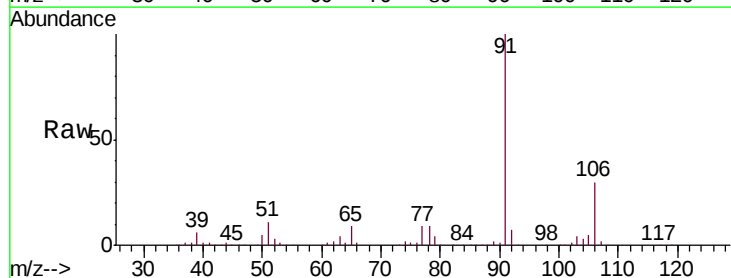
Manual Integrations
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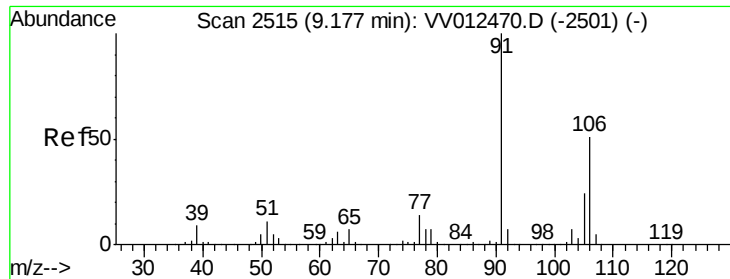
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9/2/2019 11:10:59 AM



#52
Ethylbenzene
Concen: 1.405 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012483.D
Acq: 31 Aug 2019 06:52

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	185598		
106	30.1	21.1	39.3	





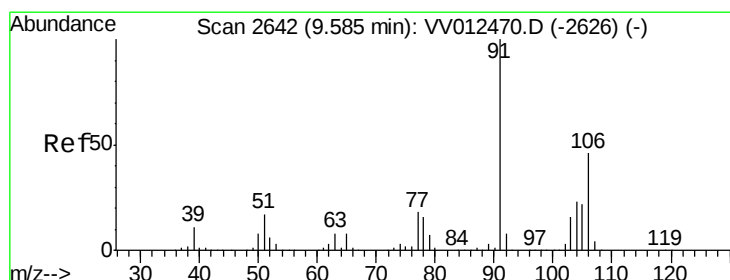
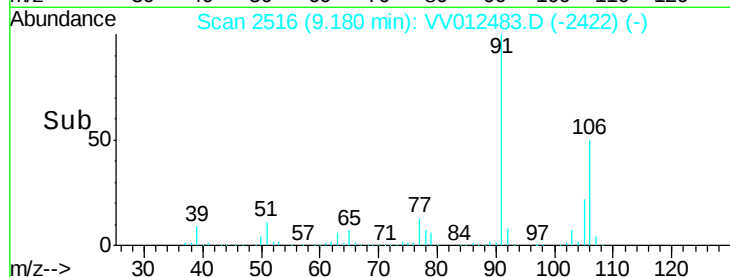
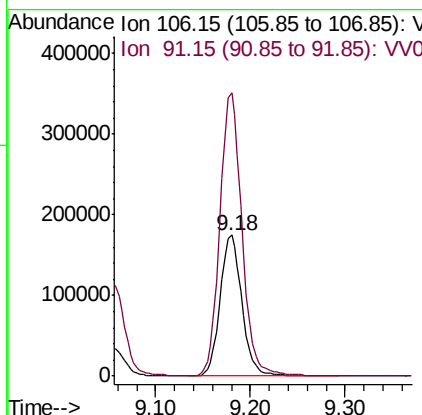
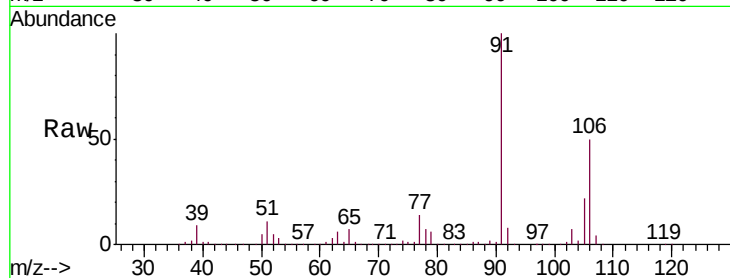
#53
m,p-xylene
Concen: 5.771 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012483.D
Acq: 31 Aug 2019 06:52

Instrument :
MSVOA_V
ClientSampleId :
BFD64

Tgt Ion:106 Resp: 279452
Ion Ratio Lower Upper
106 100
91 200.6 141.3 262.3

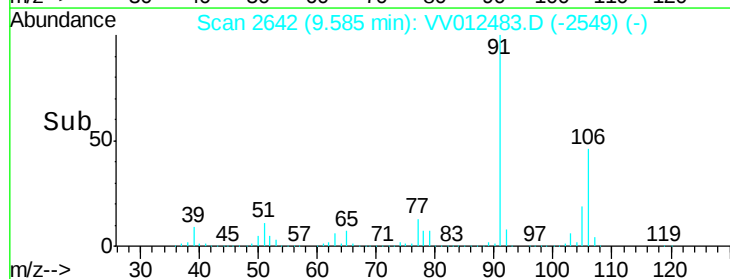
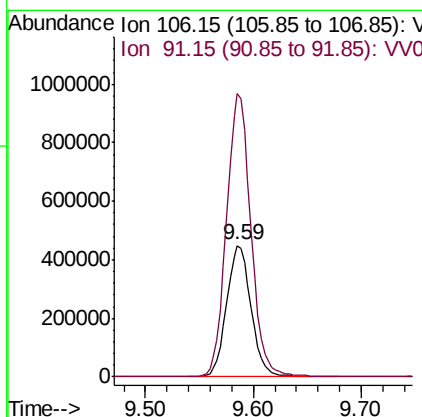
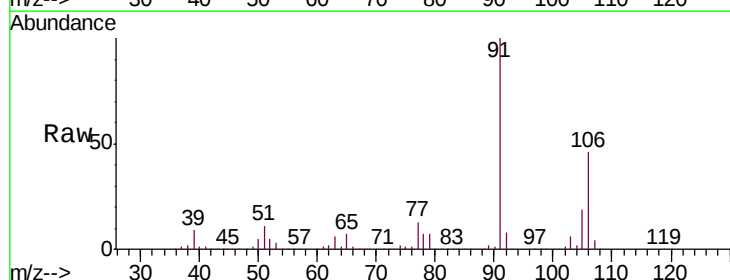
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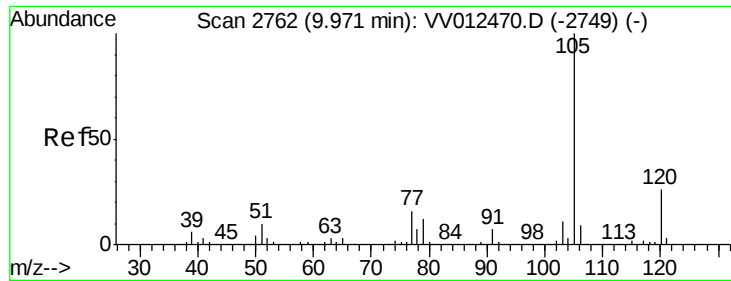
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#54
o-xylene
Concen: 15.030 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012483.D
Acq: 31 Aug 2019 06:52

Tgt Ion:106 Resp: 710620
Ion Ratio Lower Upper
106 100
91 215.4 155.6 289.0





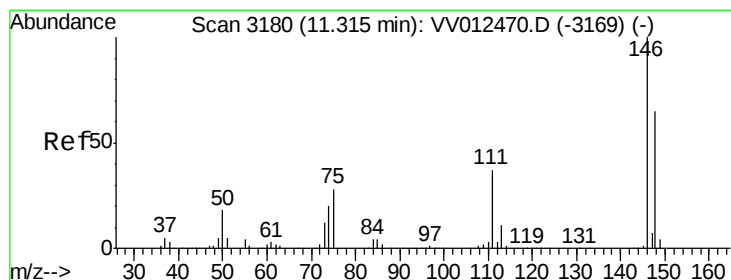
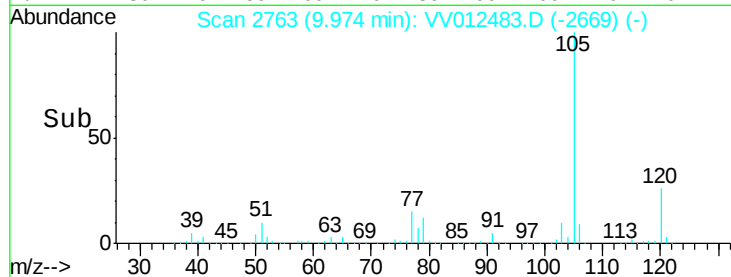
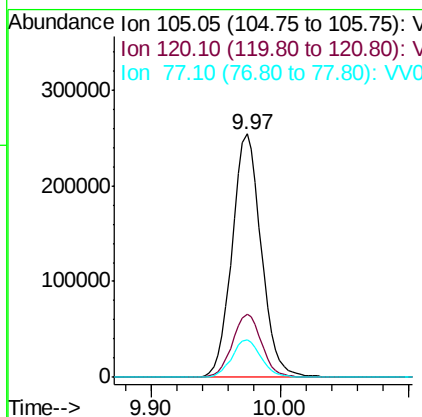
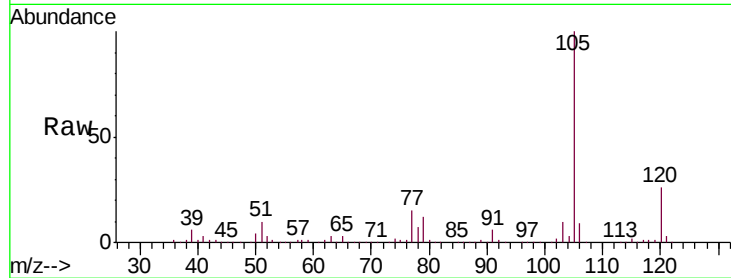
#56
Isopropylbenzene
Concen: 3.206 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012483.D
Acq: 31 Aug 2019 06:52

Instrument :
MSVOA_V
ClientSampleId :
BFD64

Tgt Ion:	105	Resp:	399162
Ion Ratio	Lower	Upper	
105	100		
120	26.1	20.6	31.0
77	15.5	12.7	19.1

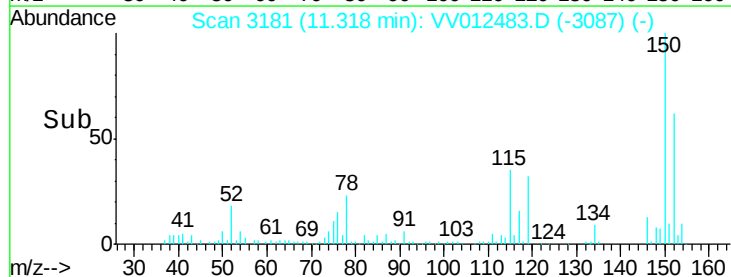
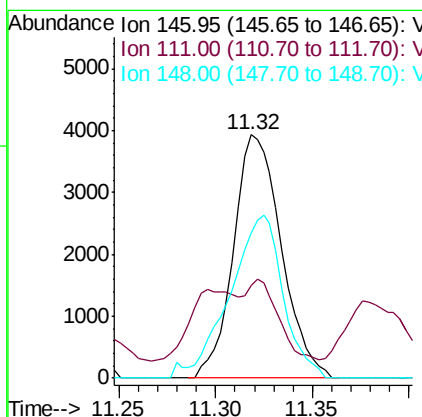
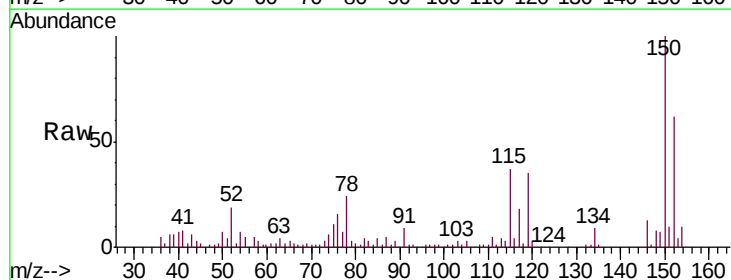
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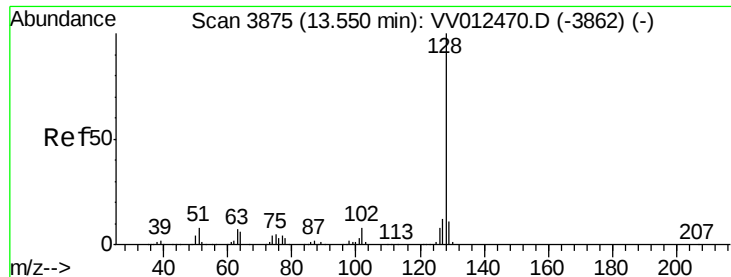
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#63
1,4-Dichlorobenzene
Concen: 0.102 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. 0.00 min
Lab File: VV012483.D
Acq: 31 Aug 2019 06:52

Tgt Ion:	146	Resp:	6760
Ion Ratio	Lower	Upper	
146	100		
111	37.9	26.8	49.8
148	59.6	44.5	82.7





#69

Naphthalene

Concen: 618.341 ug/L m

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012483.D

Acq: 31 Aug 2019 06:52

Instrument :

MSVOA_V

ClientSampleId :

BFD64

Tgt Ion:128 Resp:32433400

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.7 16.1#

Manual Integrations

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