

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017608.D
 Acq On : 23 Jul 2020 17:26
 Operator : SY/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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 7/24/2020 7:04:48 PM

Quant Time: Jul 24 11:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 02:08:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	188128	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	181071	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	89469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46492	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	36156	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.12	63	76377	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	3.95	46	106826	49.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.42%
24) Chloroform-d	4.38	84	105974	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.06	65	58644	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.07	84	198917	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.09	67	56757	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.34	98	185615	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
45) trans-1,3-Dichloropropene-	7.65	79	24204	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
48) 2-Hexanone-d5	8.11	63	73080	46.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38211	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	71441	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5552	0.269 ug/L	95
3) Chloromethane	1.25	50	4135	0.308 ug/L	94
5) Vinyl chloride	1.32	62	4134	0.308 ug/L #	77
6) Bromomethane	1.53	94	2649	0.307 ug/L	96
8) Chloroethane	1.60	64	2508	0.323 ug/L	95
9) Trichlorofluoromethane	1.76	101	6740	0.280 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3986	0.355 ug/L	90
12) 1,1-Dichloroethene	2.14	96	3505	0.346 ug/L #	1
13) Acetone	2.23	43	6516m	3.873 ug/L	
14) Carbon disulfide	2.31	76	8746	0.284 ug/L	99
15) Methyl Acetate	2.46	43	1082m	0.331 ug/L	
16) Methylene chloride	2.52	84	5115	0.454 ug/L	80
17) Methyl tert-butyl Ether	2.79	73	7619	0.293 ug/L #	85
18) trans-1,2-Dichloroethene	2.78	96	3315	0.300 ug/L	95
19) 1,1-Dichloroethane	3.21	63	6463	0.278 ug/L	97
21) 2-Butanone	4.05	43	7462m	2.627 ug/L	
22) cis-1,2-Dichloroethene	3.93	96	3790	0.273 ug/L	92

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Manual Integrations
 APPROVED

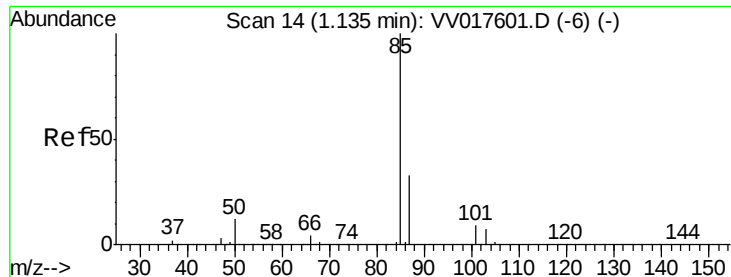
sam
 7/24/2020 7:04:48 PM

Quant Time: Jul 24 11:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
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 QLast Update : Fri Jul 24 02:08:23 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	1841	0.287	ug/L #	95
25) Chloroform	4.40	83	8222	0.316	ug/L	92
27) 1,2-Dichloroethane	5.16	62	5111	0.303	ug/L	97
29) 1,1,1-Trichloroethane	4.64	97	6943	0.274	ug/L	94
30) Cyclohexane	4.69	56	4838	0.241	ug/L #	83
31) Carbon tetrachloride	4.85	117	5987	0.266	ug/L	94
33) Benzene	5.13	78	13710	0.267	ug/L	100
34) Trichloroethene	5.94	95	4151	0.290	ug/L	93
35) Methylcyclohexane	6.15	83	4978	0.230	ug/L #	86
37) 1,2-Dichloropropane	6.20	63	3159	0.262	ug/L #	92
38) Bromodichloromethane	6.54	83	4748	0.268	ug/L #	94
39) cis-1,3-Dichloropropene	7.05	75	5056	0.278	ug/L	93
40) 4-Methyl-2-pentanone	7.26	43	16408	2.484	ug/L #	87
42) Toluene	7.41	91	14486	0.259	ug/L	92
43) 1,3,5-Trimethylbenzene	10.56	105	11031	0.211	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	10613	0.199	ug/L	97
46) trans-1,3-Dichloropropene	7.68	75	4361	0.267	ug/L	93
47) 1,1,2-Trichloroethane	7.87	97	2554	0.280	ug/L	93
49) Tetrachloroethene	8.00	164	3449	0.273	ug/L	87
50) 2-Hexanone	8.17	43	16417	3.513	ug/L	98
51) Dibromochloromethane	8.27	129	3363	0.289	ug/L	99
52) 1,2-Dibromoethane	8.38	107	2509	0.291	ug/L #	97
53) Chlorobenzene	8.90	112	10307	0.277	ug/L	90
54) Ethylbenzene	9.04	91	15133	0.242	ug/L	96
55) m,p-xylene	9.16	106	6153	0.261	ug/L	96
56) o-xylene	9.57	106	5543	0.242	ug/L	87
57) Styrene	9.59	104	9253	0.242	ug/L	81
58) Isopropylbenzene	9.95	105	14935	0.237	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	2719	0.273	ug/L #	97
62) Bromoform	9.76	173	1655	0.289	ug/L #	95
63) 1,3-Dichlorobenzene	11.21	146	7795	0.271	ug/L	95
64) 1,4-Dichlorobenzene	11.30	146	8809	0.305	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	7986	0.304	ug/L	94
67) 1,2-Dibromo-3-chloropropan	12.45	75	467	0.285	ug/L #	80
68) 1,3,5-Trichlorobenzene	12.67	180	6393	0.273	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	5532	0.283	ug/L	94
70) Naphthalene	13.53	128	6347	0.233	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	4452	0.257	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.269 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 5552

Ion Ratio Lower Upper

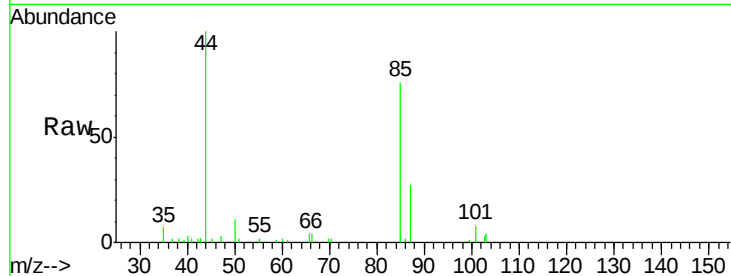
85 100

87 35.7 26.4 39.6

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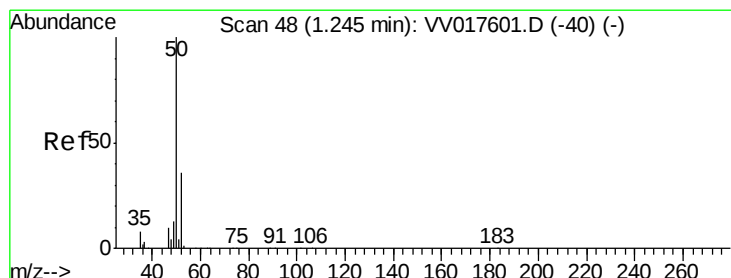
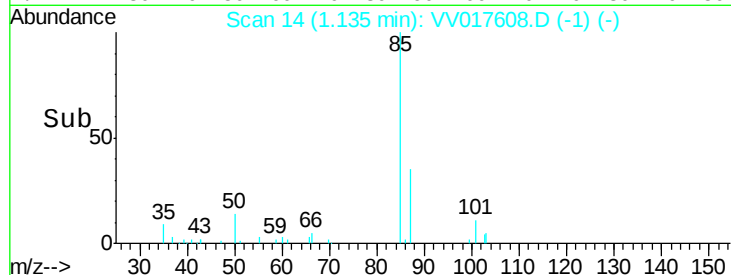
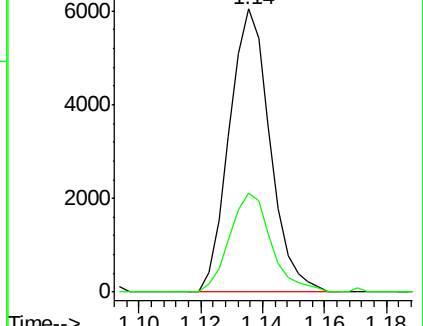
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Abundance Ion 85.00 (84.70 to 85.70): VV017608.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017608.D (-6) (-)



#3

Chloromethane

Concen: 0.308 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017608.D

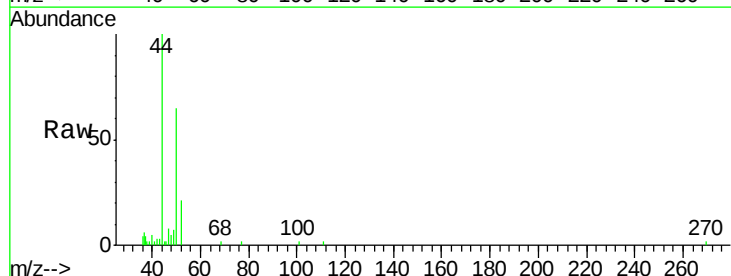
Acq: 23 Jul 2020 17:26

Tgt Ion: 50 Resp: 4135

Ion Ratio Lower Upper

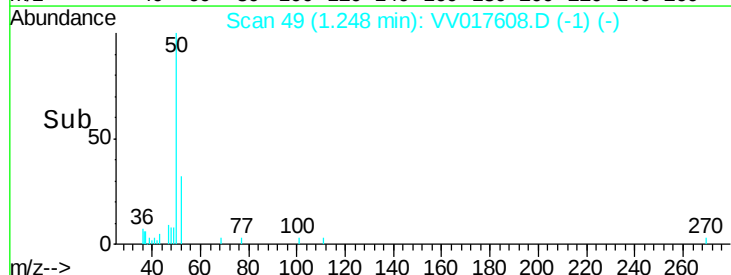
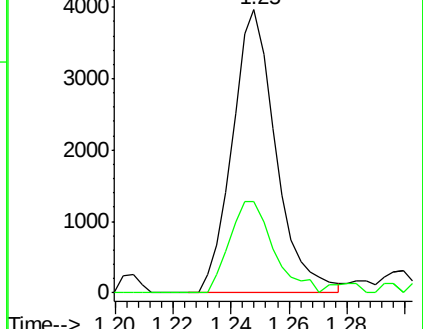
50 100

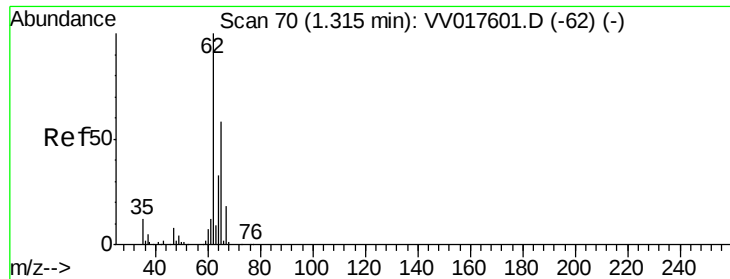
52 32.1 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017608.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017608.D (-40) (-)





#5

Vinyl chloride

Concen: 0.308 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 62 Resp: 4134

Ion Ratio Lower Upper

62 100

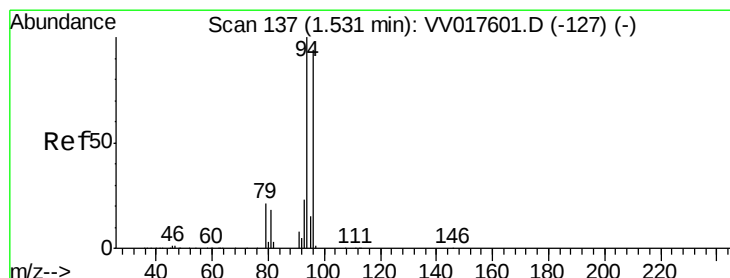
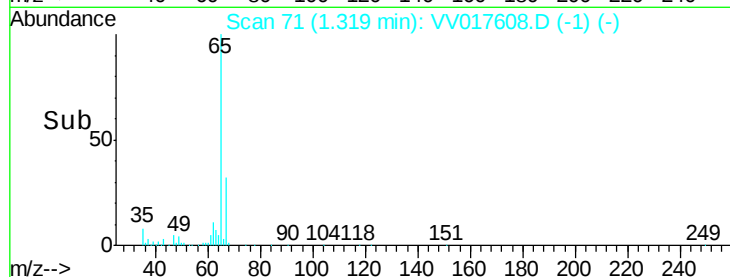
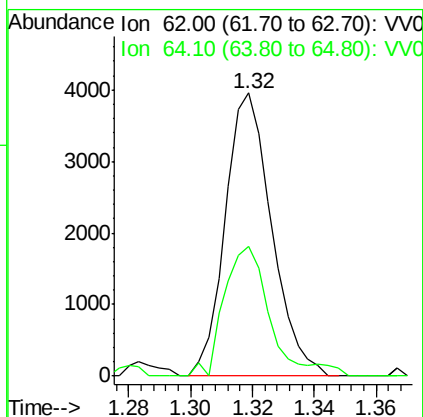
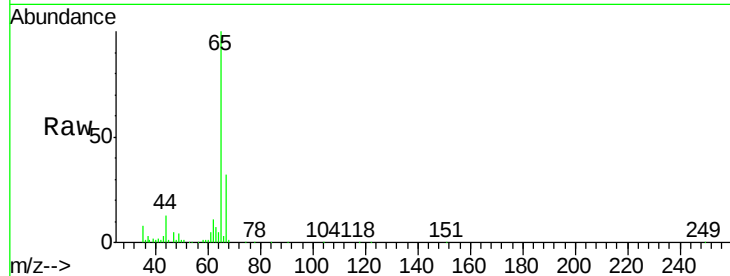
64 45.9 23.0 42.8#

Manual Integrations

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#6

Bromomethane

Concen: 0.307 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017608.D

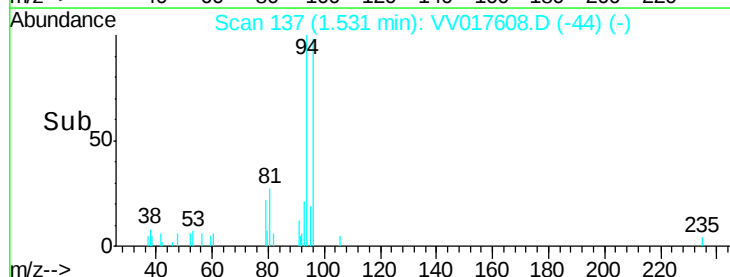
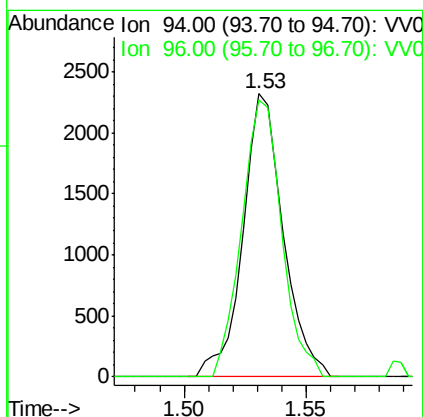
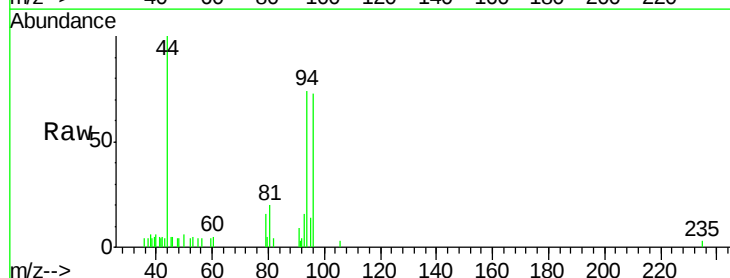
Acq: 23 Jul 2020 17:26

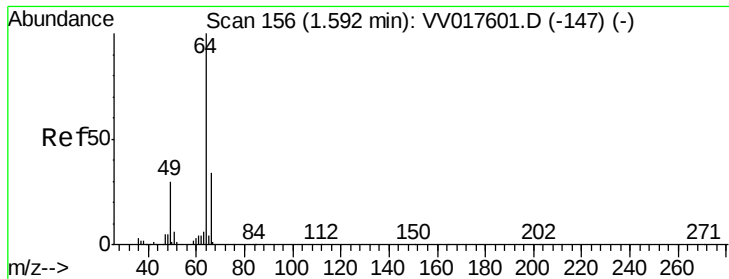
Tgt Ion: 94 Resp: 2649

Ion Ratio Lower Upper

94 100

96 98.0 65.9 122.5





#8

Chloroethane

Concen: 0.323 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 2508

Ion Ratio Lower Upper

64 100

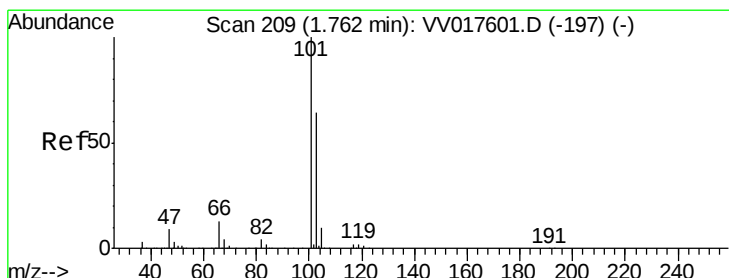
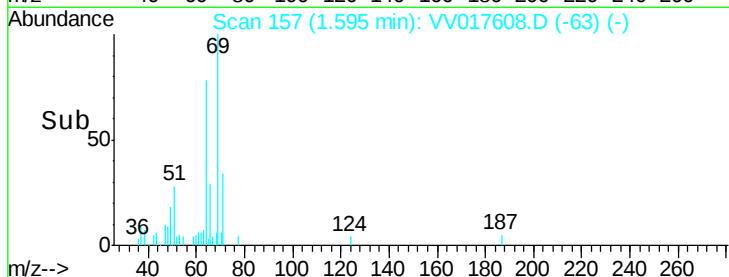
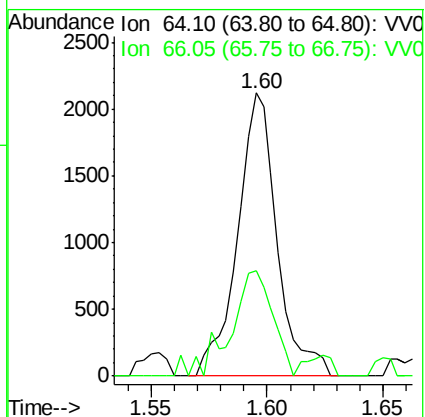
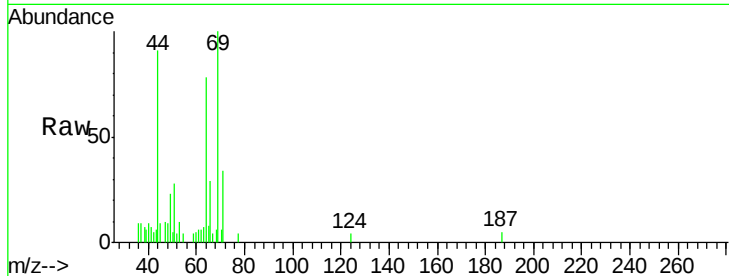
66 37.4 24.0 44.6

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.280 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017608.D

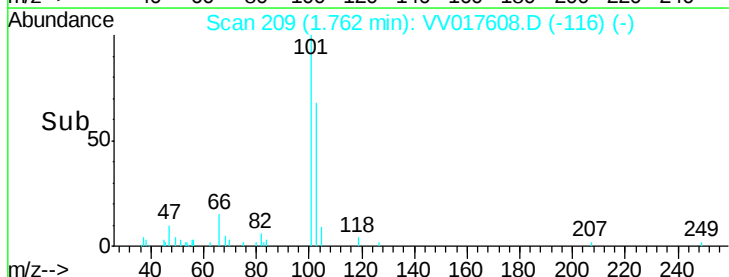
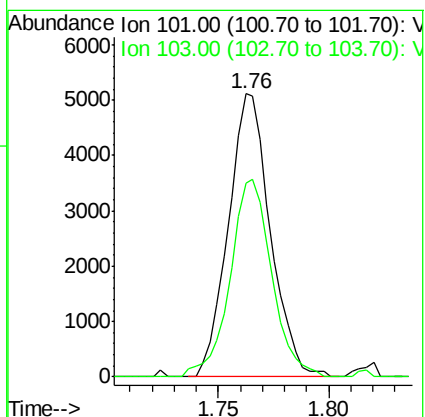
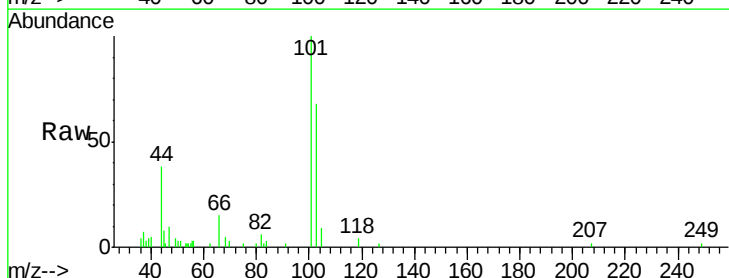
Acq: 23 Jul 2020 17:26

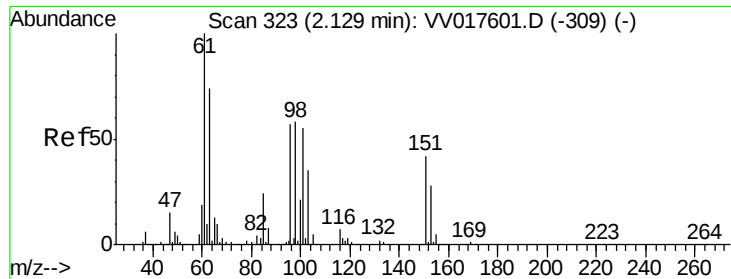
Tgt Ion: 101 Resp: 6740

Ion Ratio Lower Upper

101 100

103 69.4 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.355 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

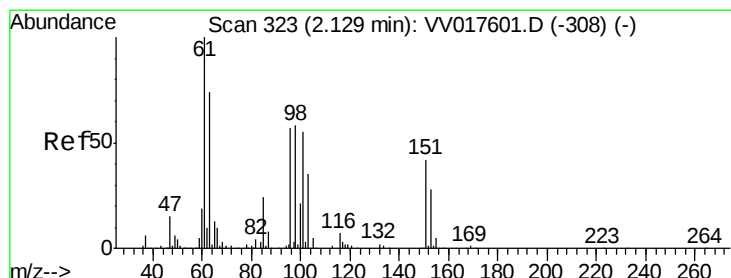
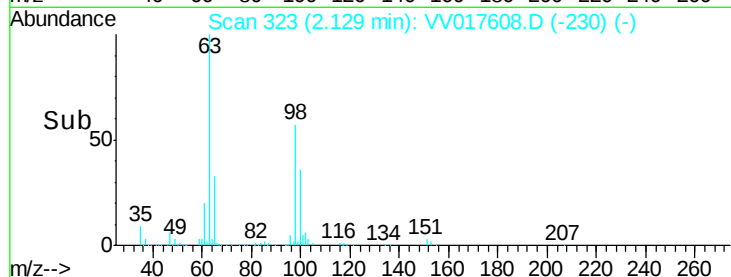
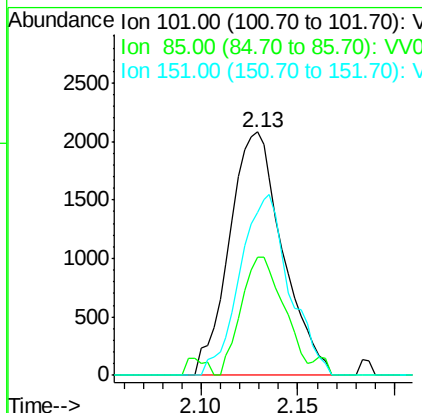
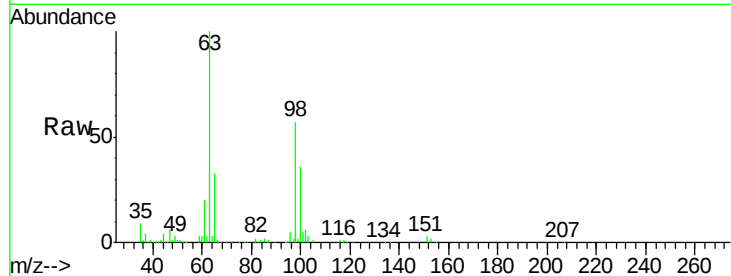
MDL03

Tot Ion:	101	Resp:	3986
Ion Ratio	Lower	Upper	
101	100		
85	39.5	34.6	51.8
151	69.0	63.5	95.3

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.346 ug/L

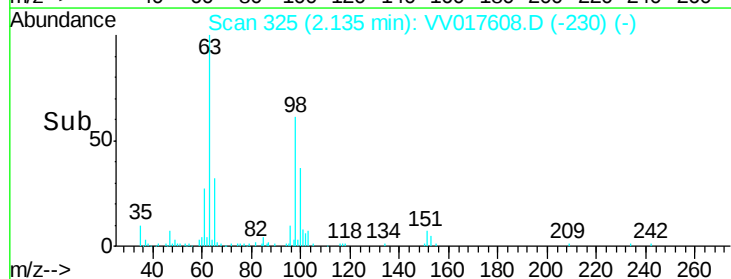
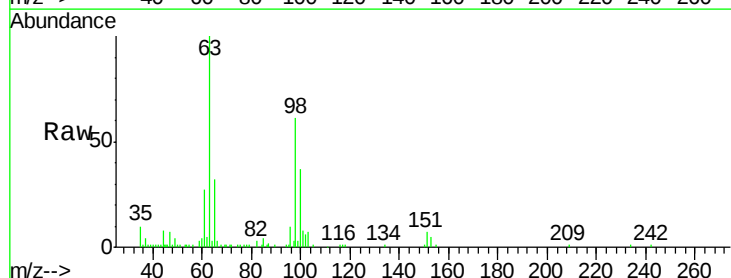
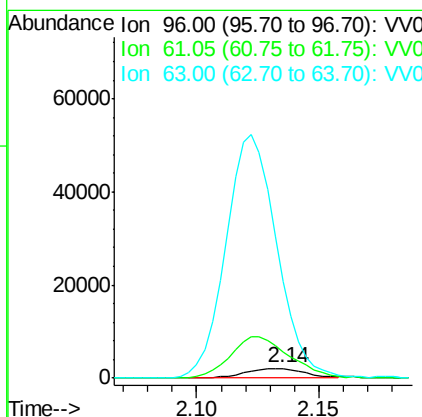
RT: 2.14 min Scan# 325

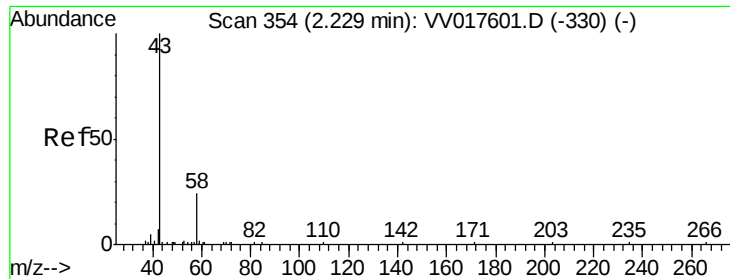
Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Tgt Ion:	96	Resp:	3505
Ion Ratio	Lower	Upper	
96	100		
61	278.0	123.1	228.7#
63	1032.4	91.2	169.4#





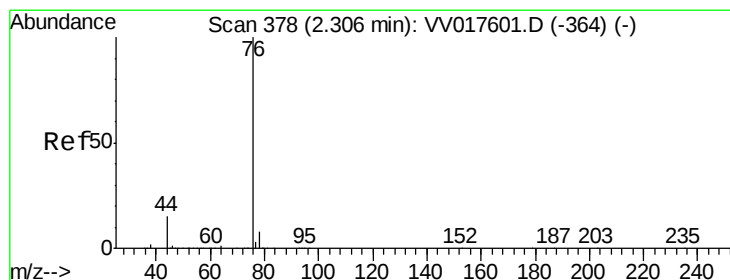
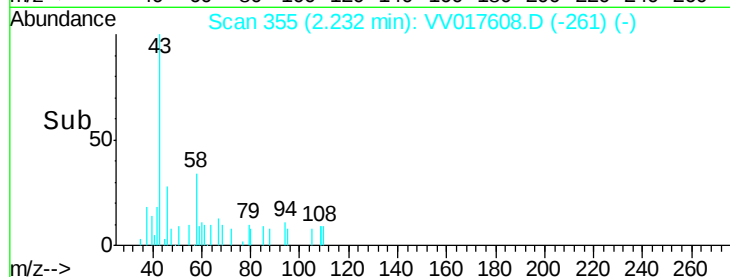
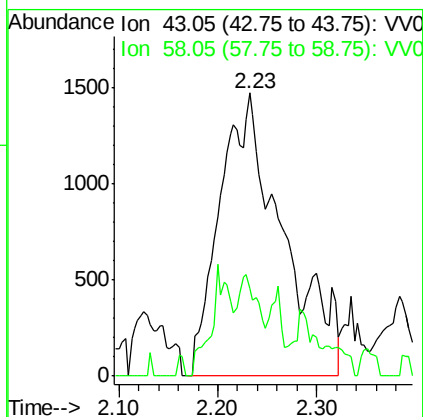
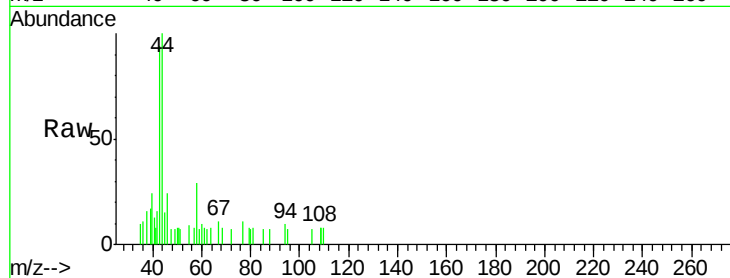
#13
Acetone
Concen: 3.873 ug/L m
RT: 2.23 min Scan# 355
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.4	0.0	18.6

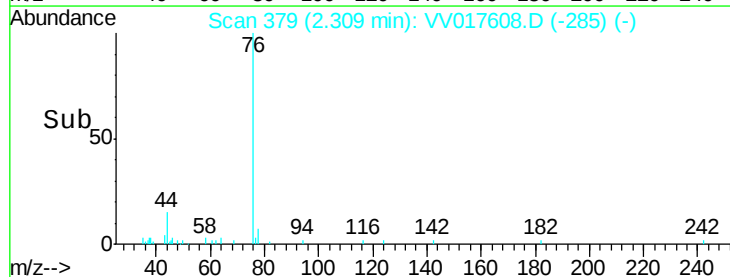
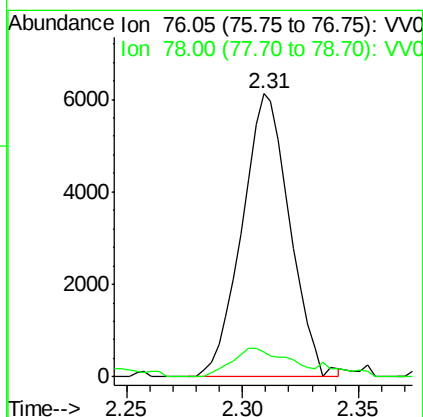
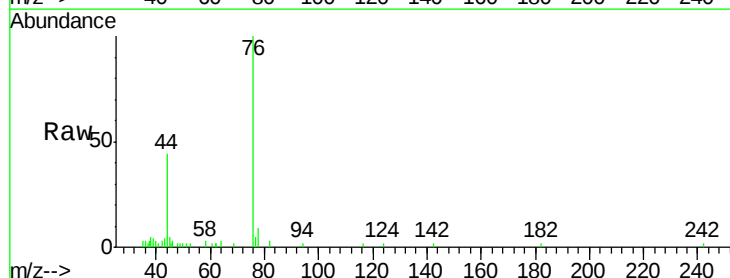
Manual Integrations
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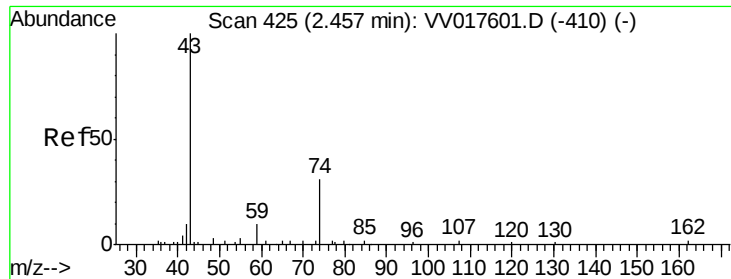
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#14
Carbon disulfide
Concen: 0.284 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	10.0





#15

Methyl Acetate

Concen: 0.331 ug/L m

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Tot Ion: 43 Resp: 1082

Ion Ratio Lower Upper

43 100

74 30.2 26.6 40.0

Instrument :

MSVOA_V

ClientSampled :

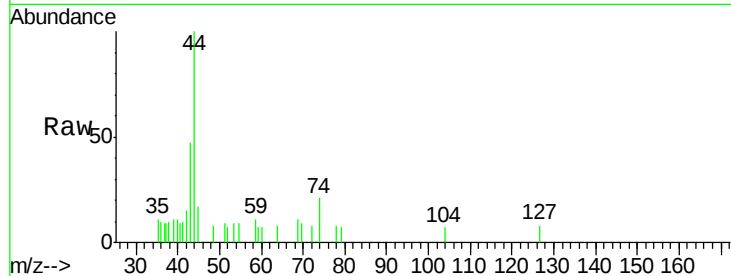
MDL03

Manual Integrations

APPROVED

sam

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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

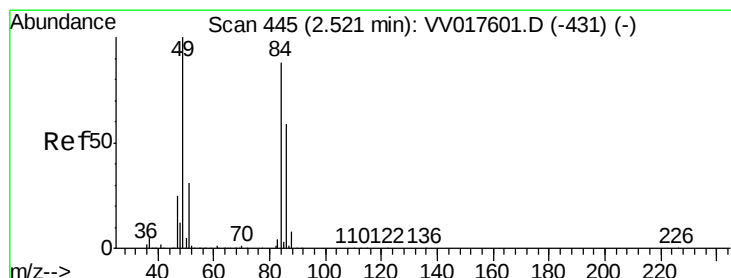
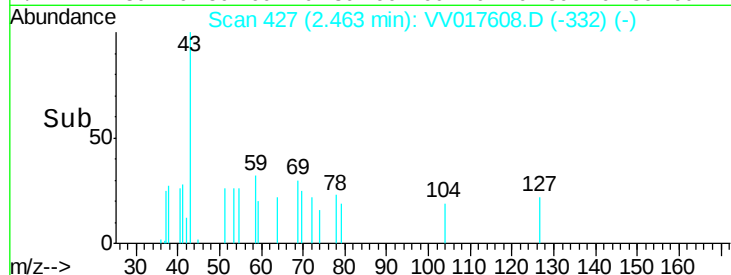
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 0.454 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

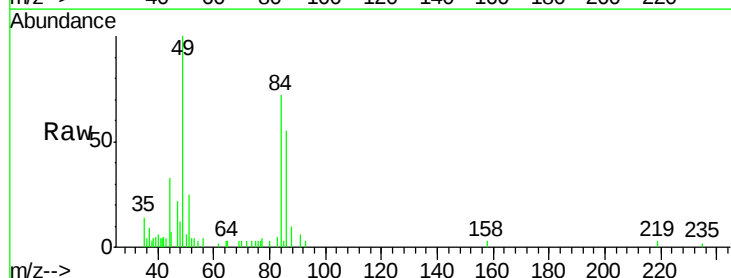
Tgt Ion: 84 Resp: 5115

Ion Ratio Lower Upper

84 100

86 76.2 46.5 86.3

49 139.6 79.2 147.2



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

5000

4000

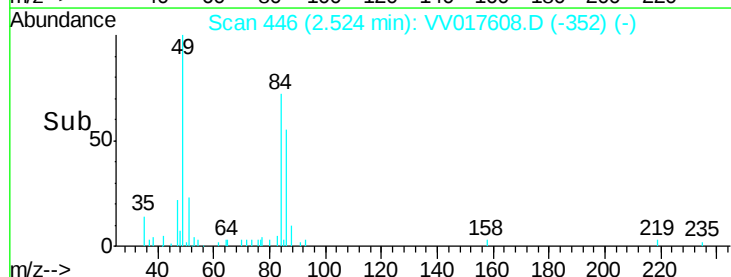
3000

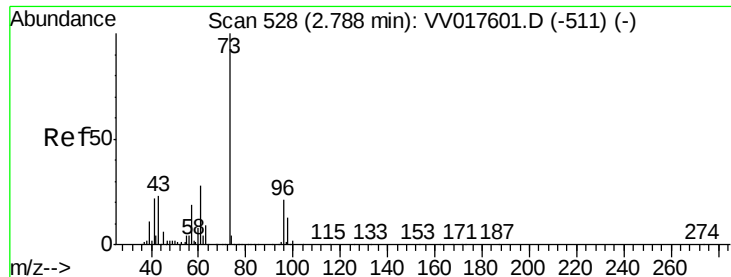
2000

1000

0

Time-->





#17

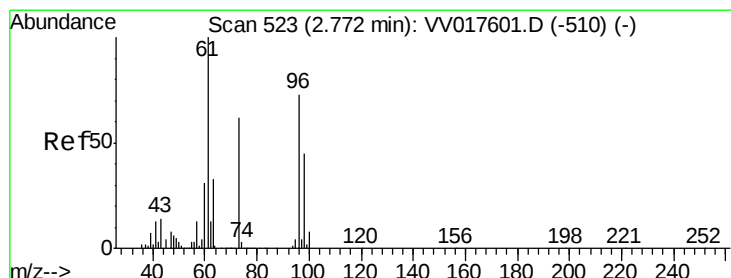
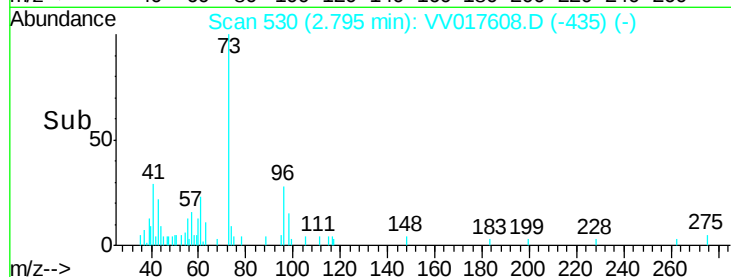
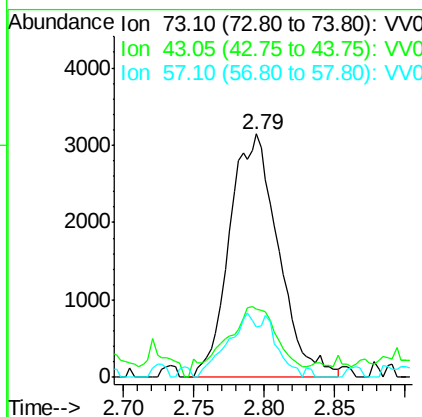
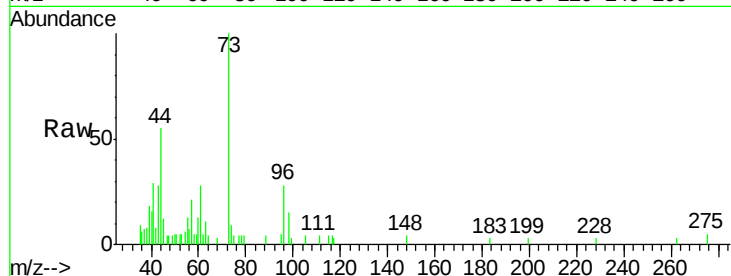
Methvl tert-butvl Ether
 Concen: 0.293 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
73	100		
43	31.6	18.3	27.5#
57	15.4	16.7	25.1#

Manual Integrations
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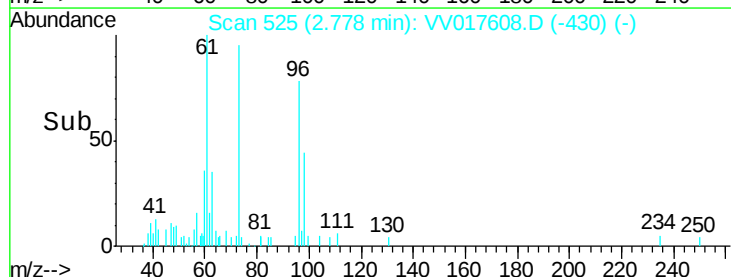
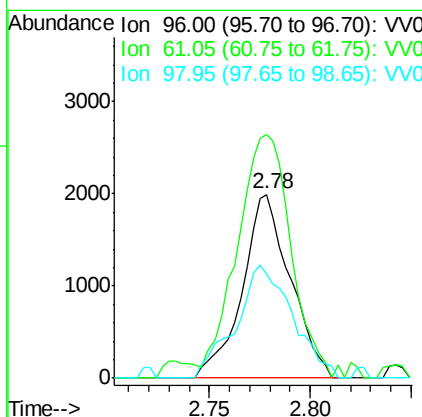
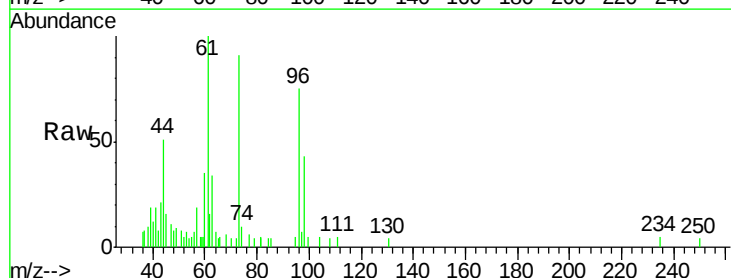
sam
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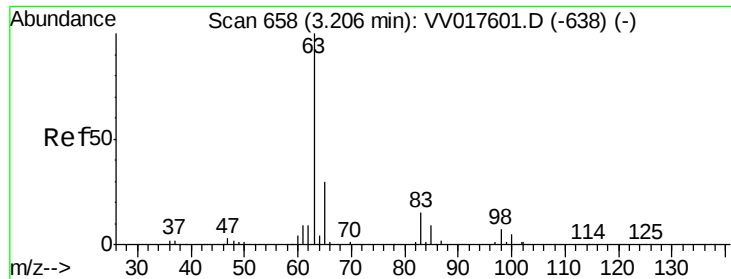


#18

trans-1,2-Dichloroethene
 Concen: 0.300 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.6	96.0	178.4
98	56.6	43.5	80.9





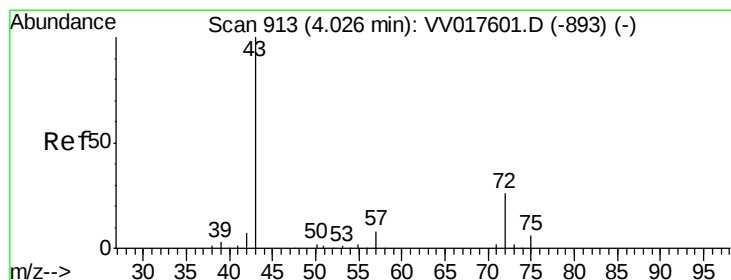
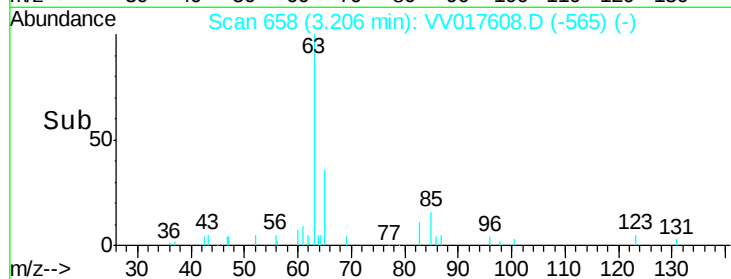
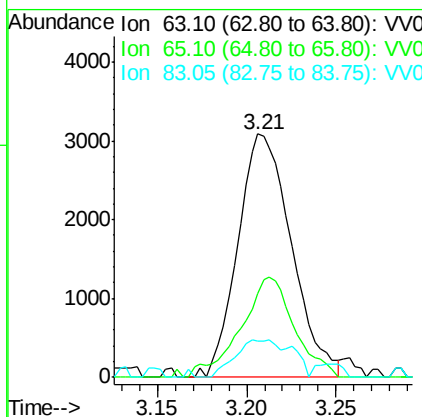
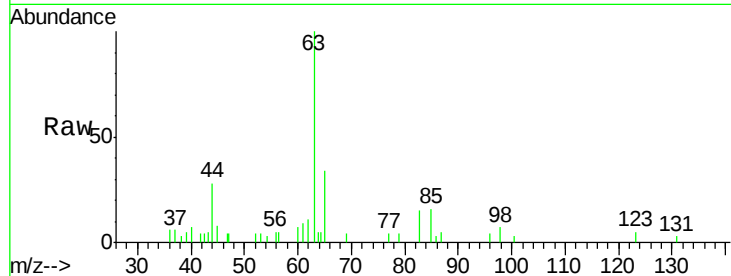
#19
 1,1-Dichloroethane
 Concen: 0.278 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion:	63	Resp:	6463
Ion	Ratio	Lower	Upper
63	100		
65	32.8	21.4	39.8
83	14.0	10.4	19.4

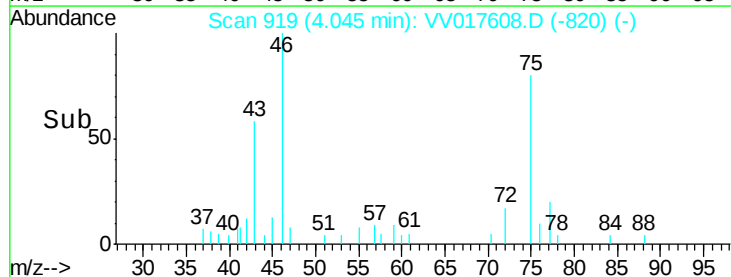
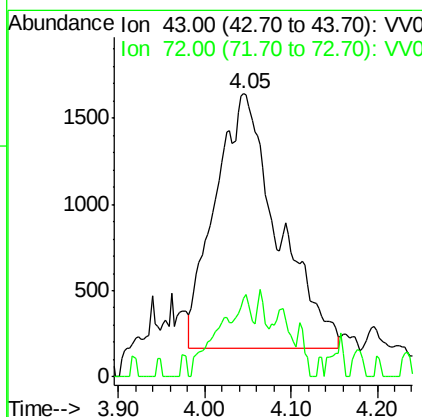
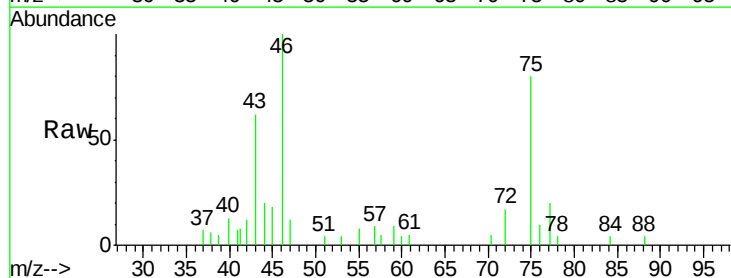
Manual Integrations
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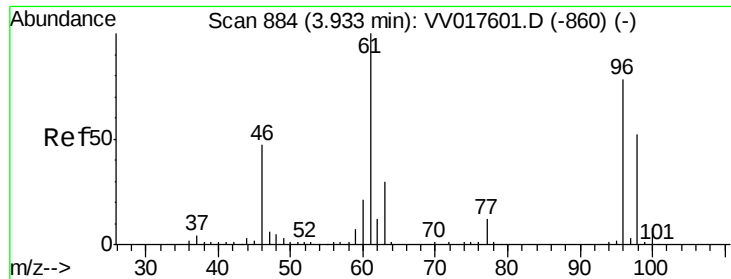
sam
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#21
 2-Butanone
 Concen: 2.627 ug/L m
 RT: 4.05 min Scan# 919
 Delta R.T. 0.02 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion:	43	Resp:	7462
Ion	Ratio	Lower	Upper
43	100		
72	8.3	13.0	38.9#





#22

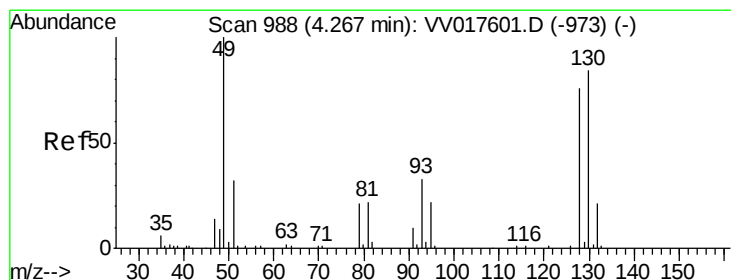
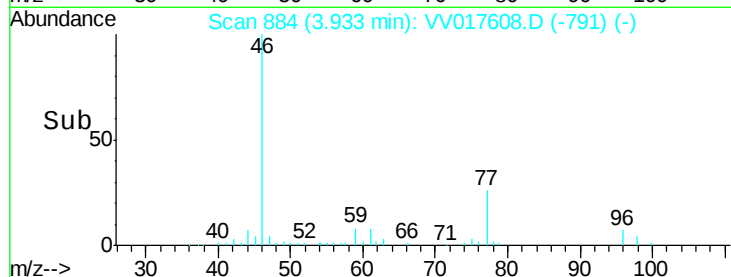
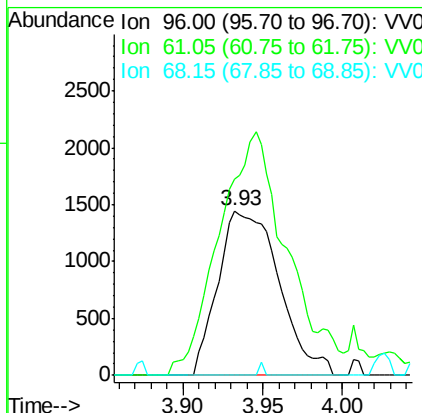
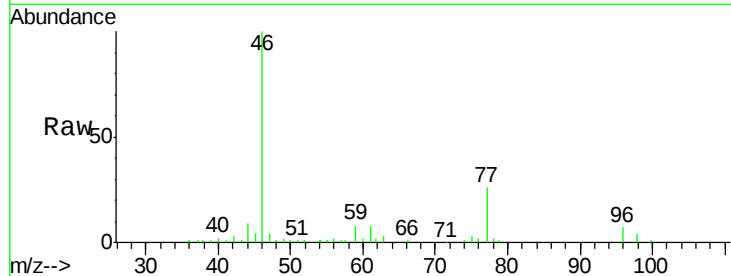
cis-1,2-Dichloroethene
Concen: 0.273 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.0	89.6	166.4
68	0.0	0.0	0.0

Manual Integrations
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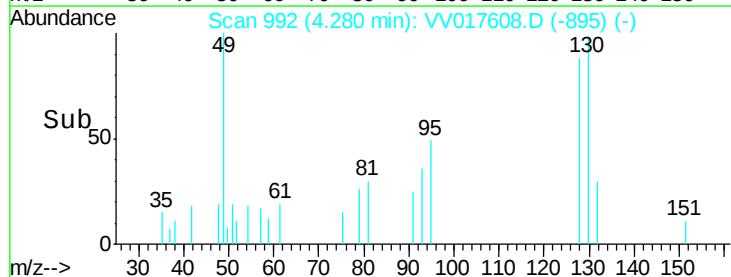
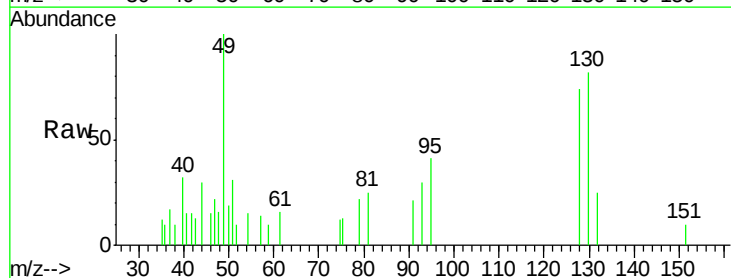
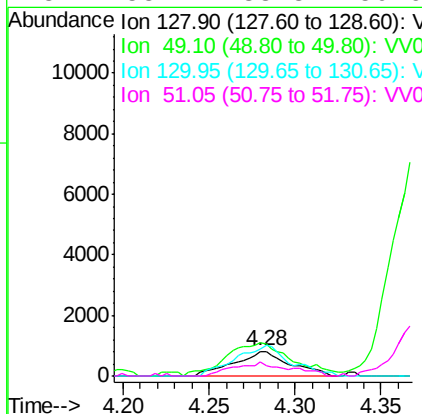
sam
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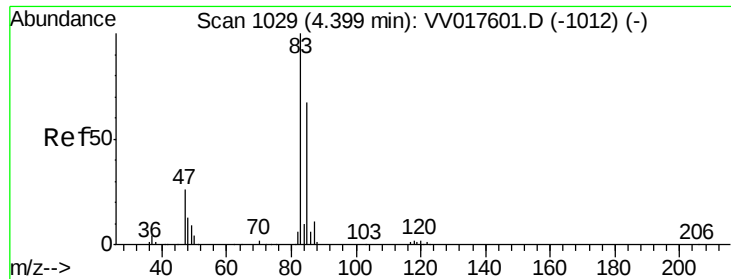


#23

Bromochloromethane
Concen: 0.287 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	135.8	92.2	171.2
130	110.8	77.2	143.4
51	55.7	33.8	50.6





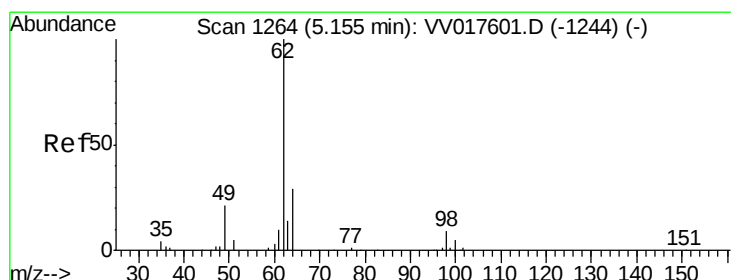
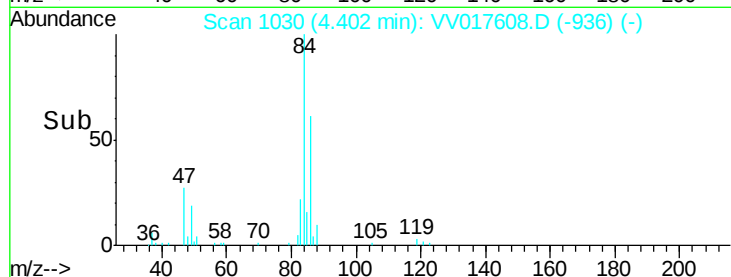
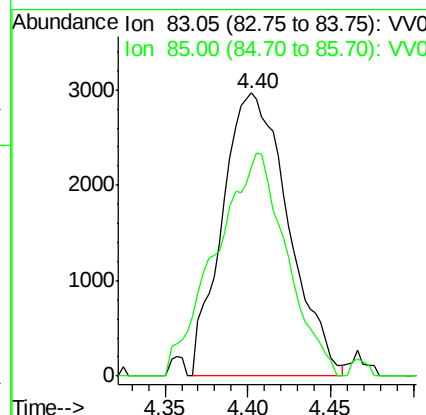
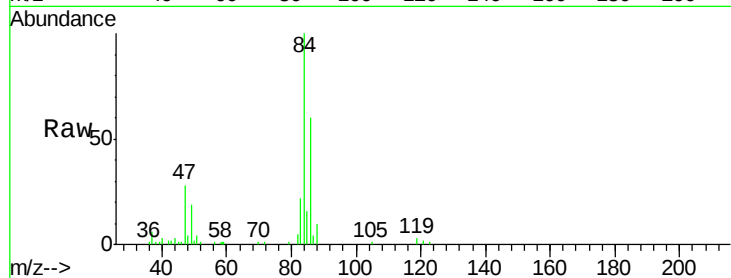
#25
Chloroform
Concen: 0.316 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	83	Resp	8222
Ion Ratio	100	Lower	Upper
85	73.7	47.3	87.9

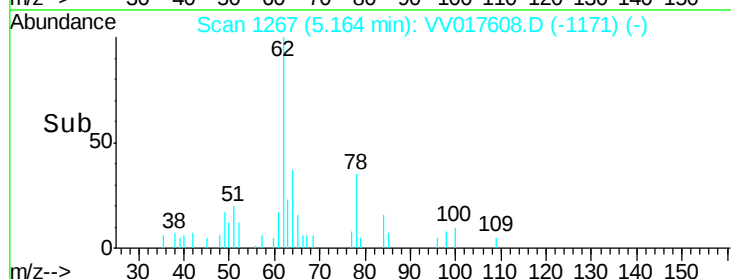
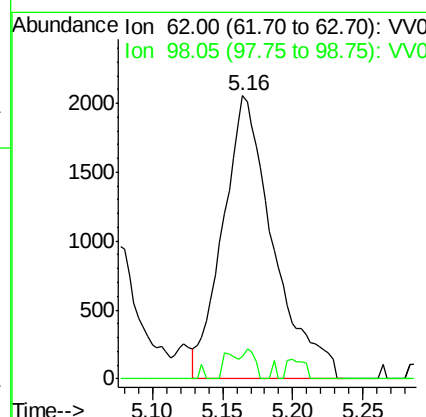
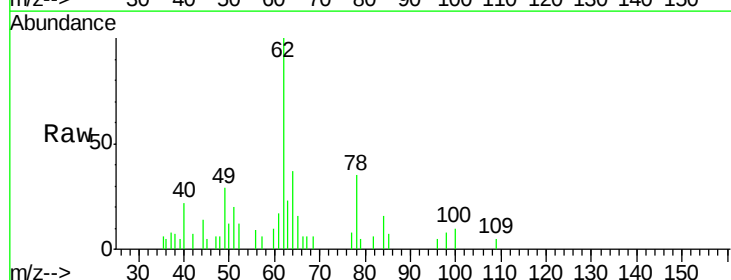
Manual Integrations
APPROVED

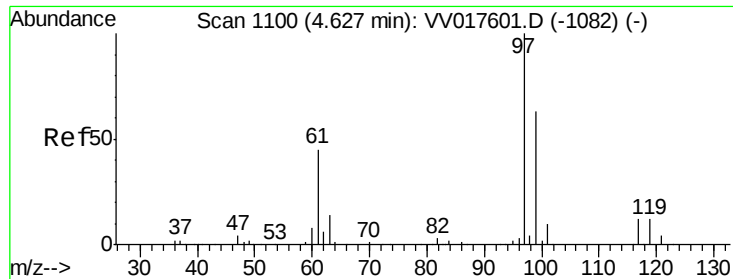
sam
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#27
1,2-Dichloroethane
Concen: 0.303 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion	62	Resp	5111
Ion Ratio	100	Lower	Upper
98	7.6	7.0	10.6





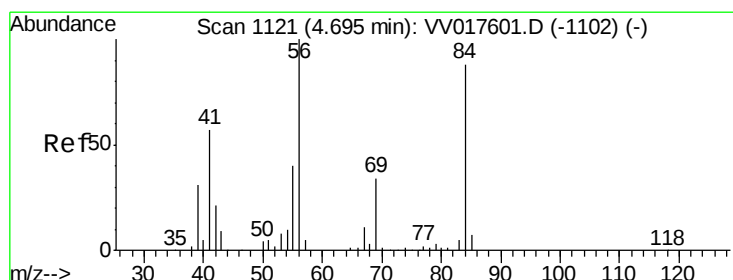
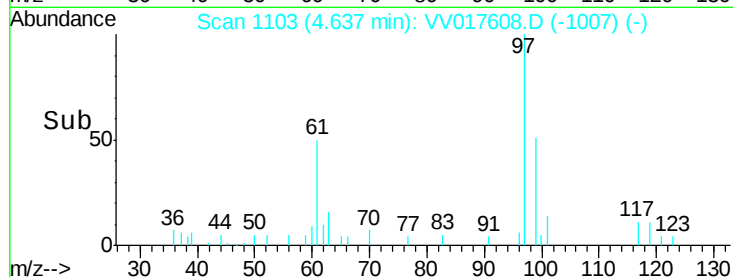
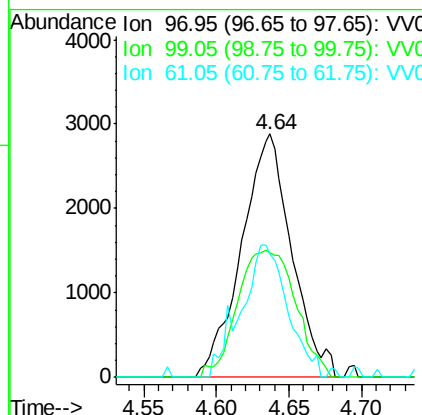
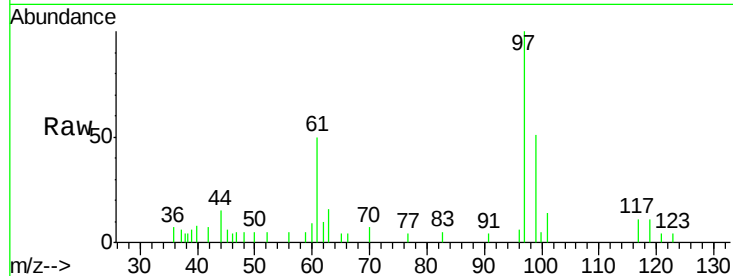
#29
1,1,1-Trichloroethane
Concen: 0.274 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
99	60.6	50.6	76.0
61	50.5	35.7	53.5

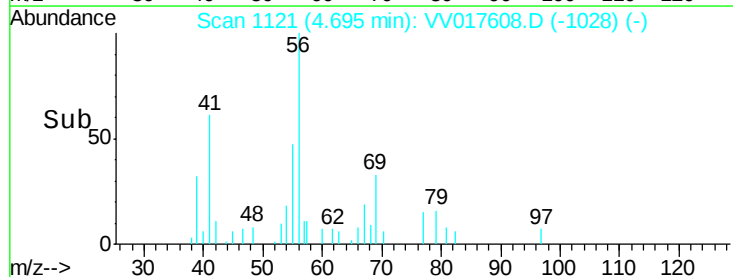
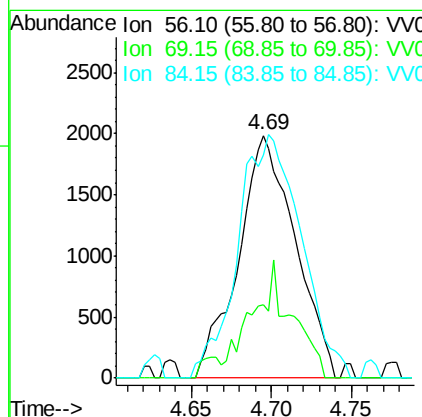
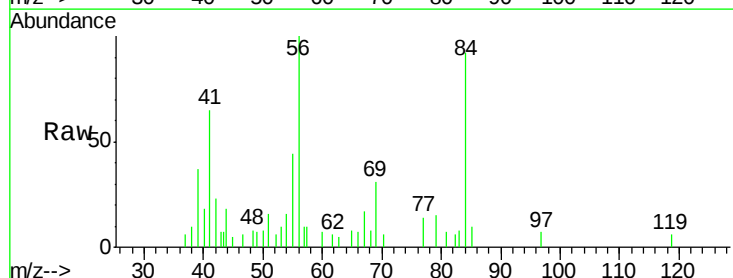
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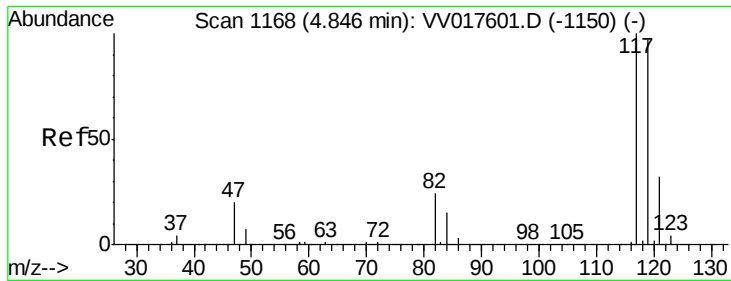
sam
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#30
Cyclohexane
Concen: 0.241 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.4	38.2
84	112.0	73.0	109.4





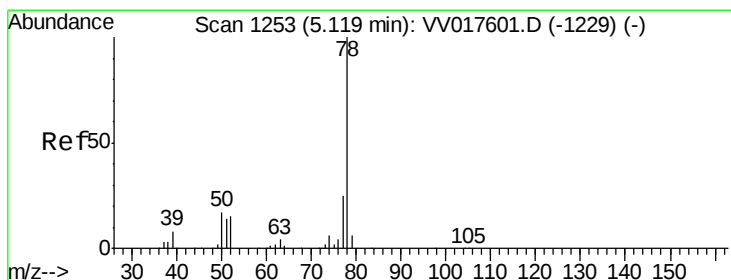
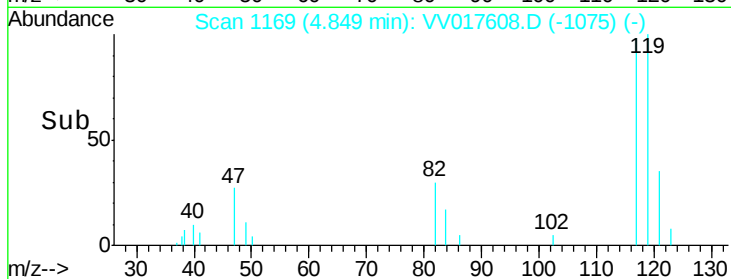
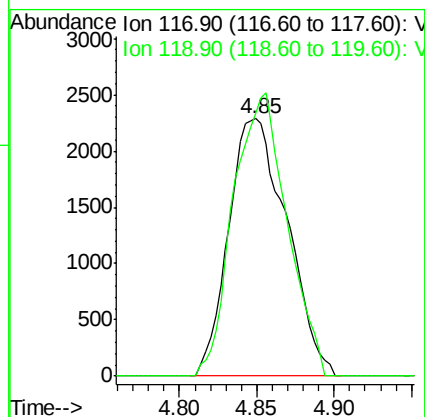
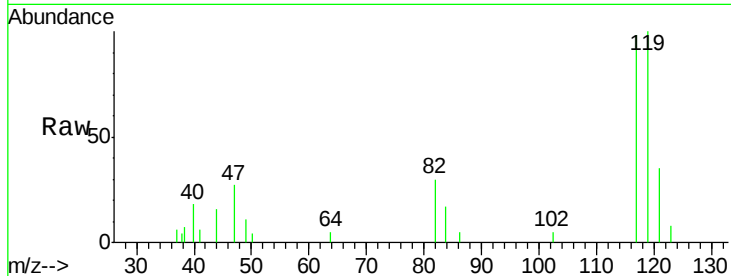
#31
Carbon tetrachloride
Concen: 0.266 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion:117 Resp: 5987
Ion Ratio Lower Upper
117 100
119 101.5 76.9 115.3

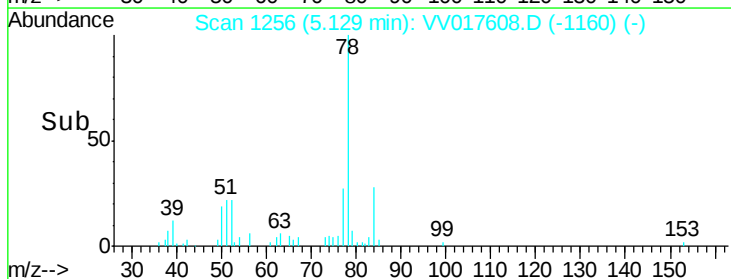
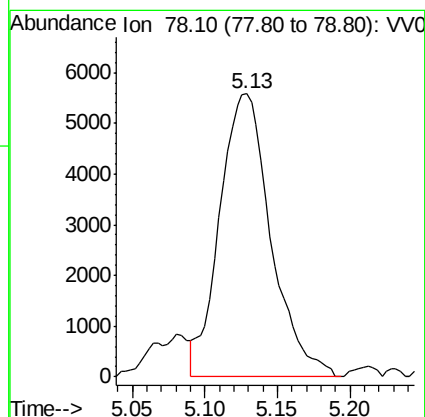
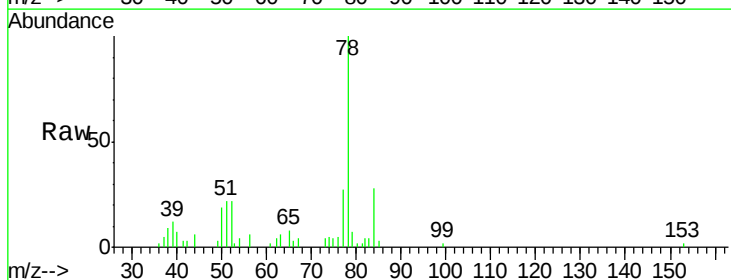
Manual Integrations
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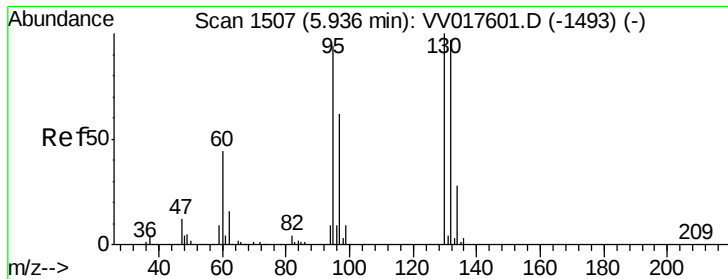
sam
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#33
Benzene
Concen: 0.267 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion: 78 Resp: 13710





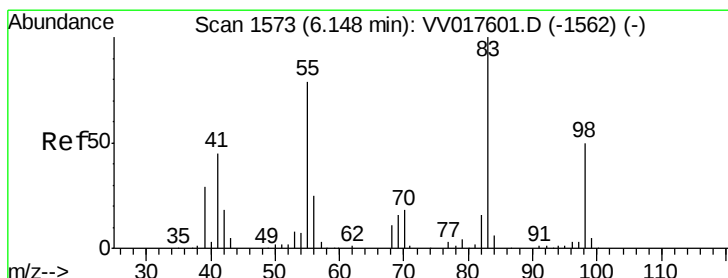
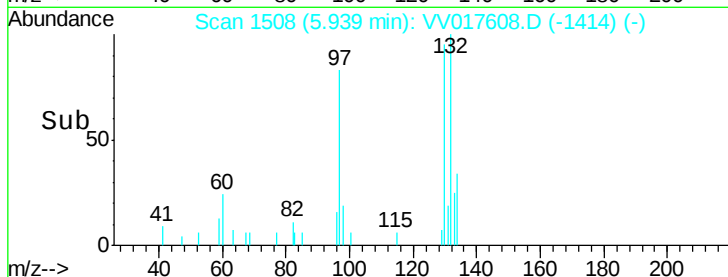
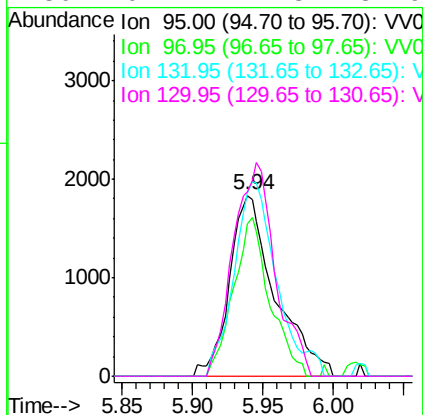
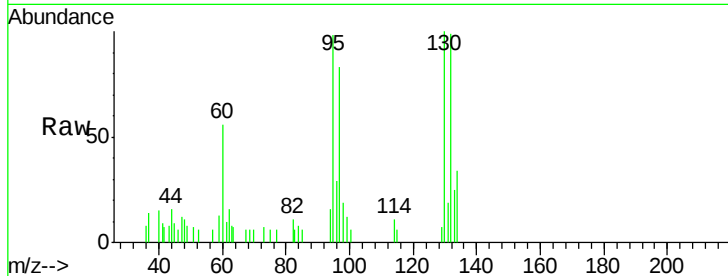
#34
 Trichloroethene
 Concen: 0.290 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		4151		
97	84.7	46.1	85.5		
132	101.5	71.7	133.1		
130	102.2	74.3	137.9		

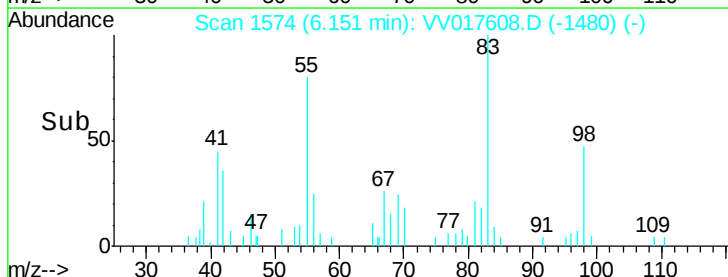
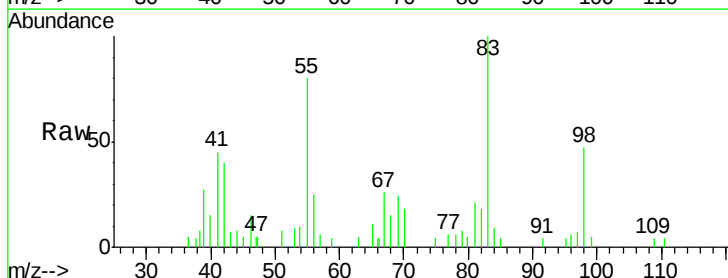
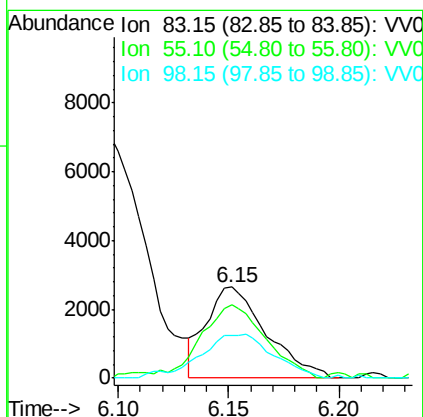
Manual Integrations
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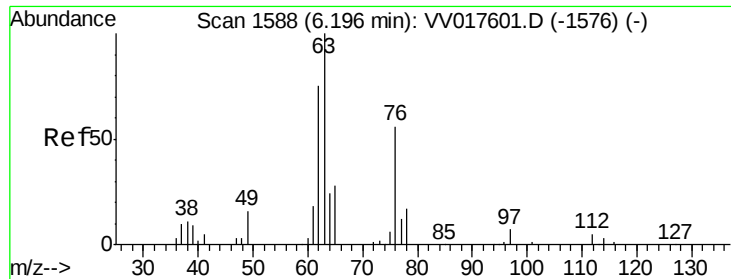
sam
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#35
 Methylcyclohexane
 Concen: 0.230 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		4978		
55	89.7	61.8	92.8		
98	58.9	39.0	58.6#		





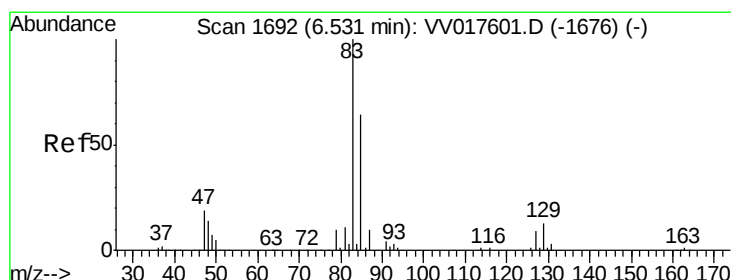
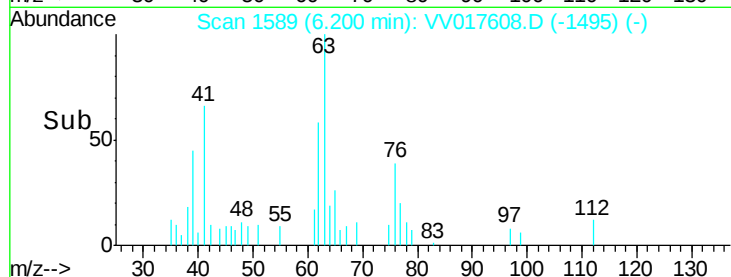
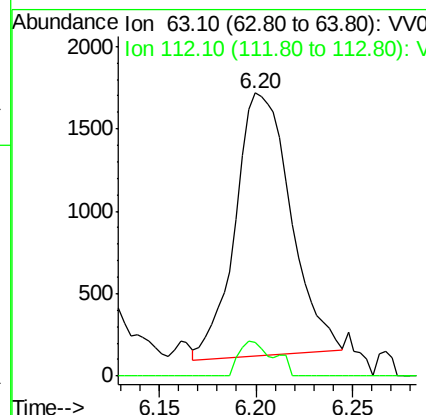
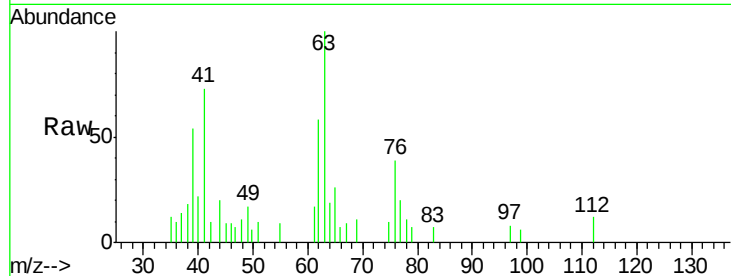
#37
 1,2-Dichloropropane
 Concen: 0.262 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 63 Resp: 3159
 Ion Ratio Lower Upper
 63 100
 112 8.3 4.5 6.7#

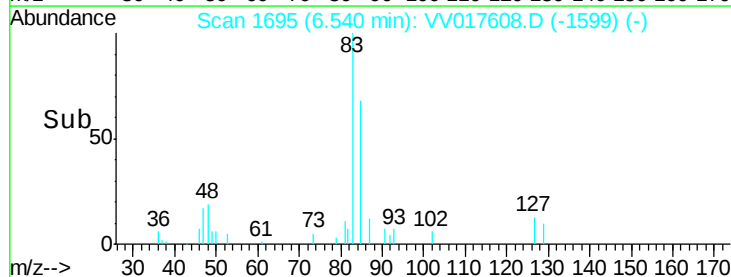
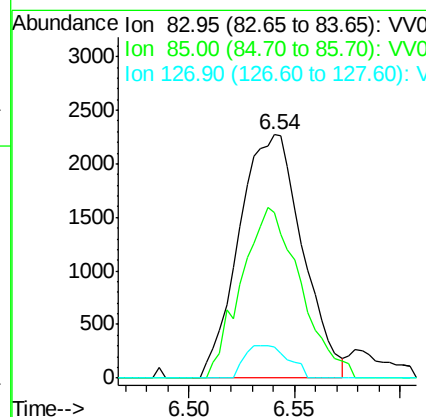
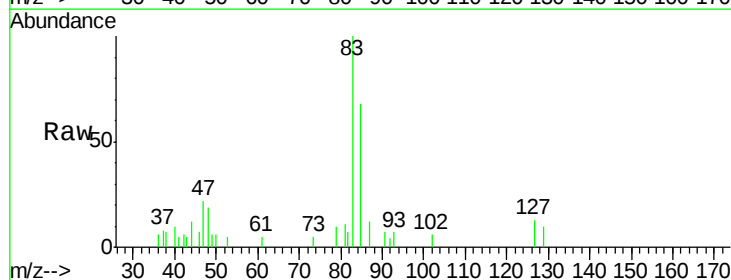
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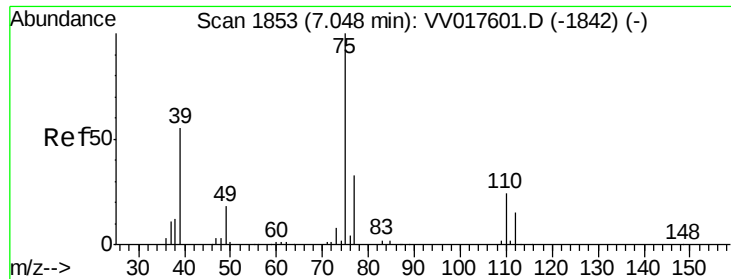
sam
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#38
 Bromodichloromethane
 Concen: 0.268 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion: 83 Resp: 4748
 Ion Ratio Lower Upper
 83 100
 85 67.9 44.7 83.1
 127 12.9 7.4 11.0#





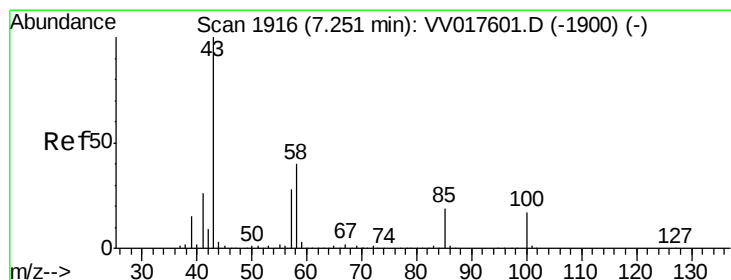
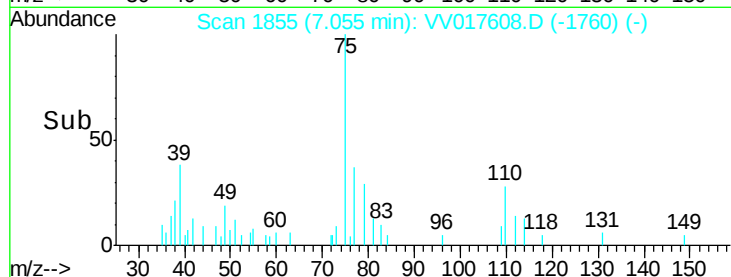
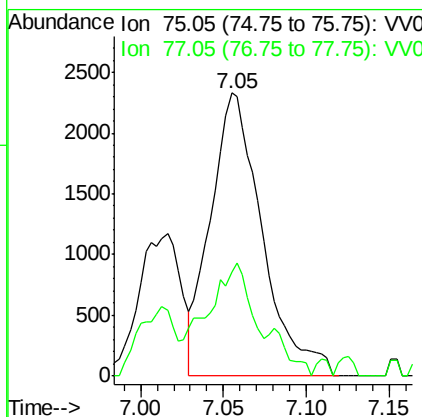
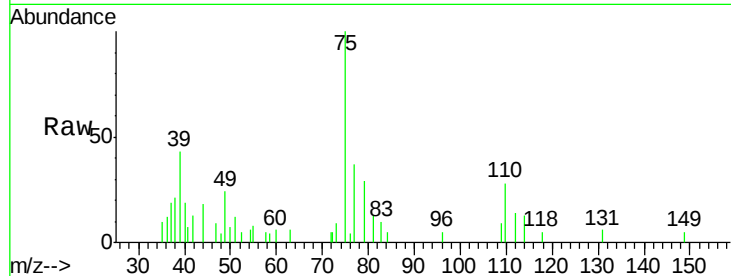
#39
 cis-1,3-Dichloropropene
 Concen: 0.278 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion: 75 Resp: 5056
 Ion Ratio Lower Upper
 75 100
 77 37.0 23.2 43.2

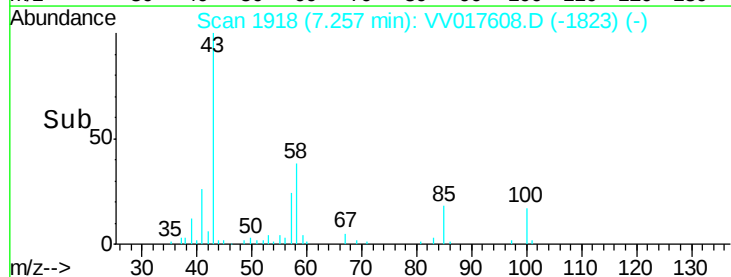
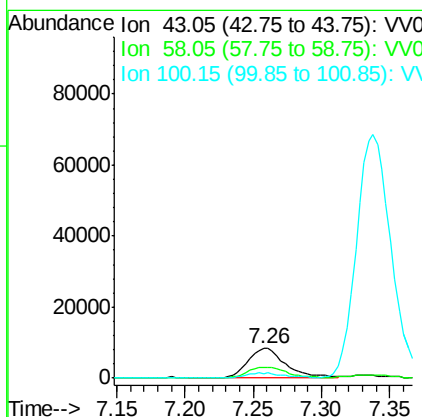
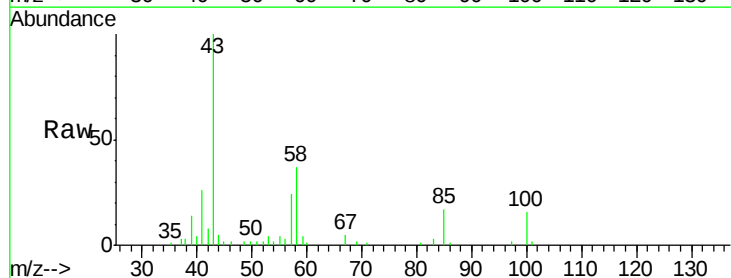
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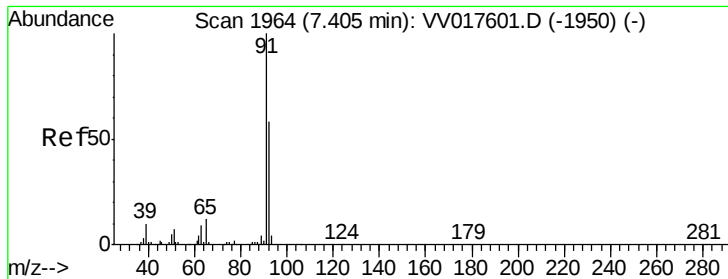
sam
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#40
 4-Methyl-2-pentanone
 Concen: 2.484 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion: 43 Resp: 16408
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.2 46.8
 100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.259 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 14486

Ion Ratio Lower Upper

91 100

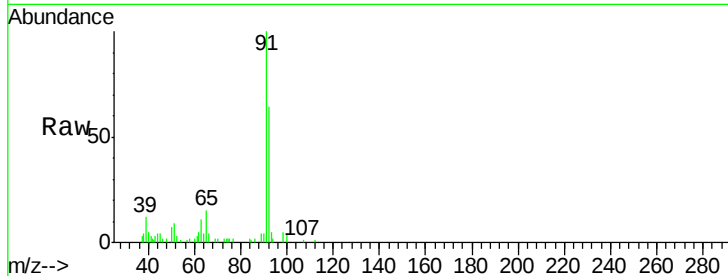
92 64.1 40.8 75.8

Manual Integrations

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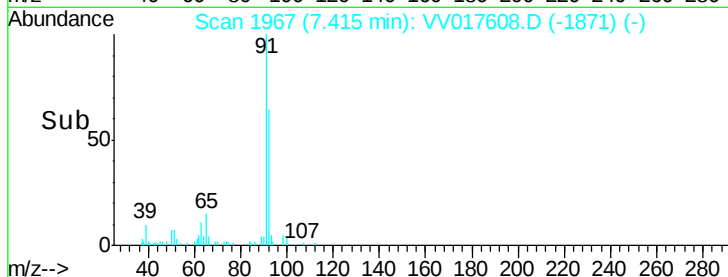


Abundance Ion 91.15 (90.85 to 91.85): VV017601.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017601.D (-1950) (-)

7.41

Time-->

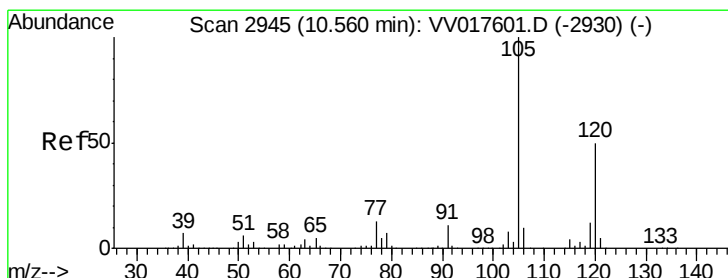


Abundance Ion 91.15 (90.85 to 91.85): VV017608.D (-1871) (-)

Ion 92.15 (91.85 to 92.85): VV017608.D (-1871) (-)

7.41

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.211 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017608.D

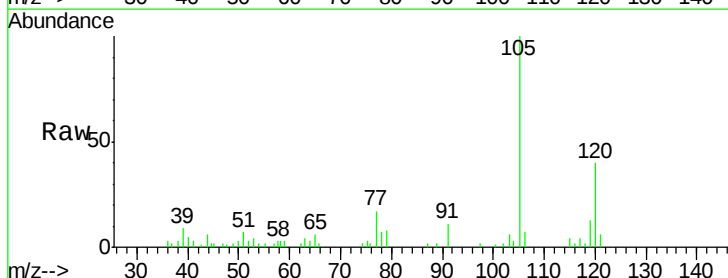
Acq: 23 Jul 2020 17:26

Tgt Ion: 105 Resp: 11031

Ion Ratio Lower Upper

105 100

120 50.7 39.4 59.2

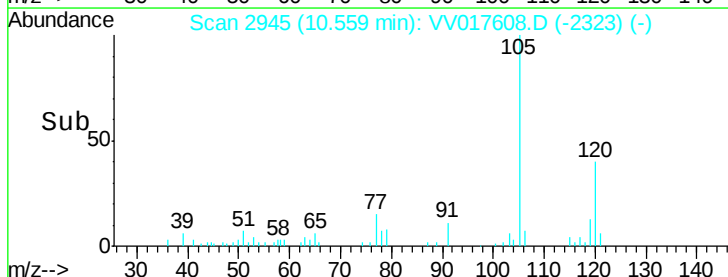


Abundance Ion 105.00 (104.70 to 105.70): VV017601.D (-2930) (-)

Ion 120.00 (119.70 to 120.70): VV017601.D (-2930) (-)

10.56

Time-->

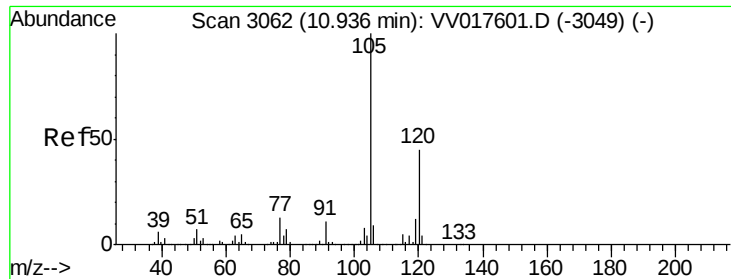


Abundance Ion 105.00 (104.70 to 105.70): VV017608.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV017608.D (-2323) (-)

10.56

Time-->



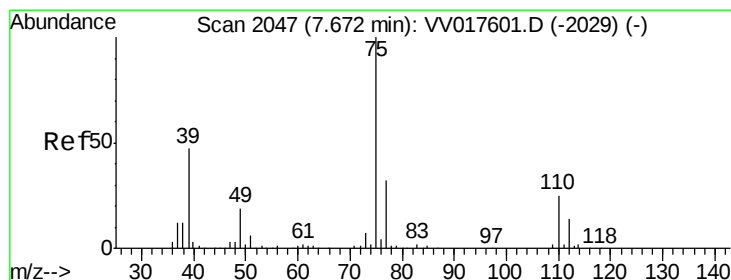
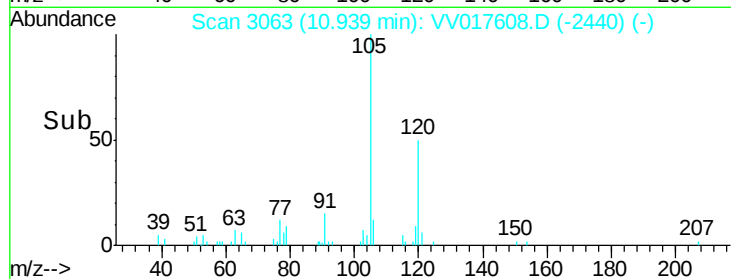
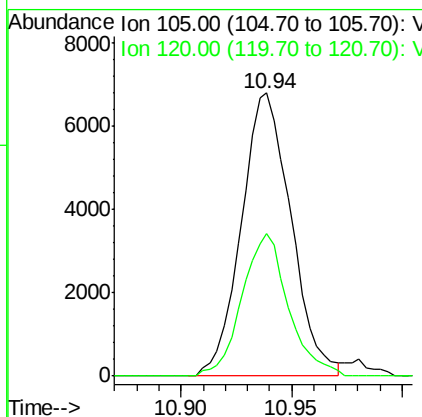
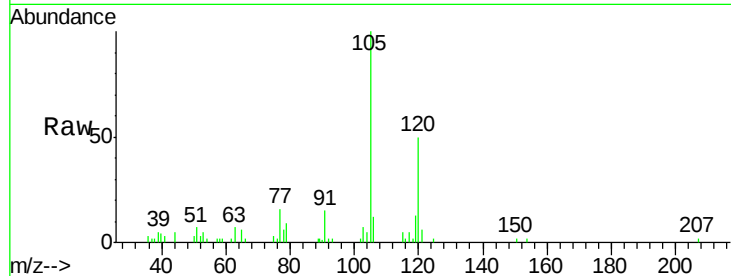
#44
 1,2,4-Trimethylbenzene
 Concen: 0.199 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.9	35.9	53.9

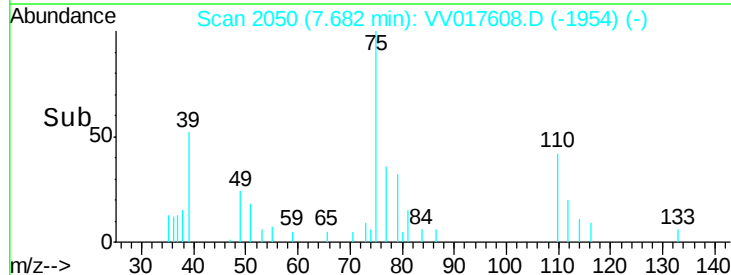
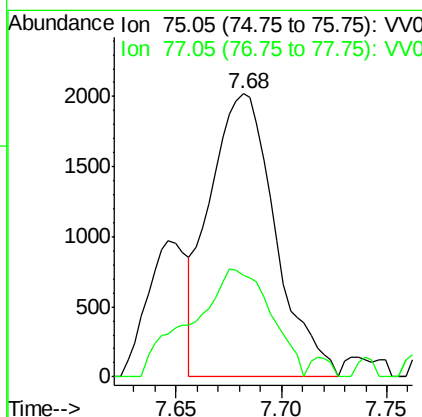
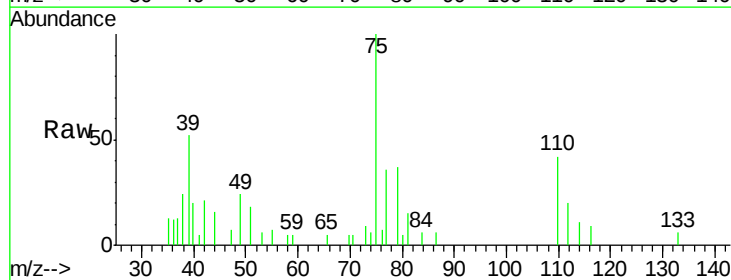
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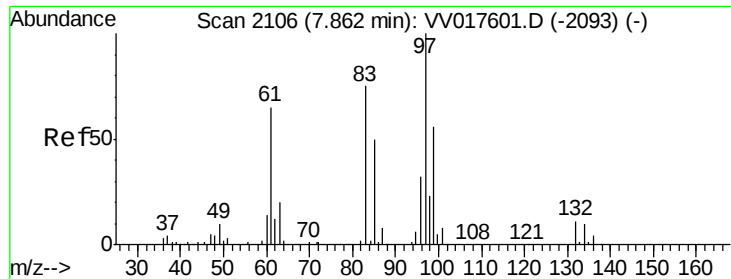
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#46
 trans-1,3-Dichloropropene
 Concen: 0.267 ug/L
 RT: 7.68 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.9	22.5	41.7





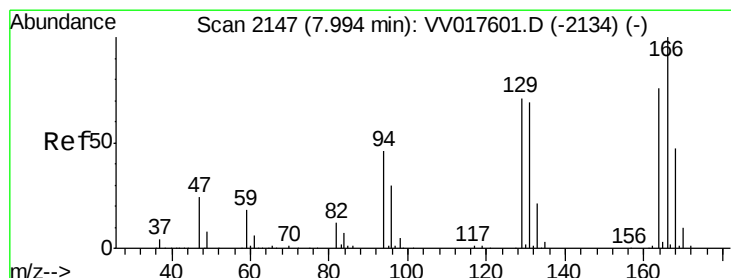
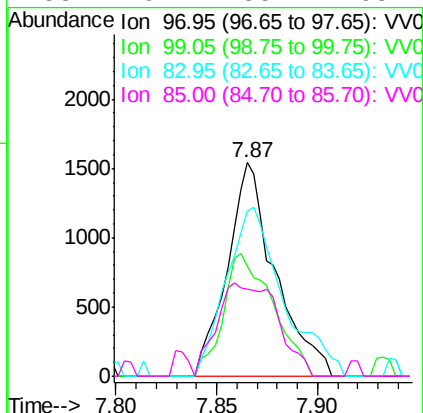
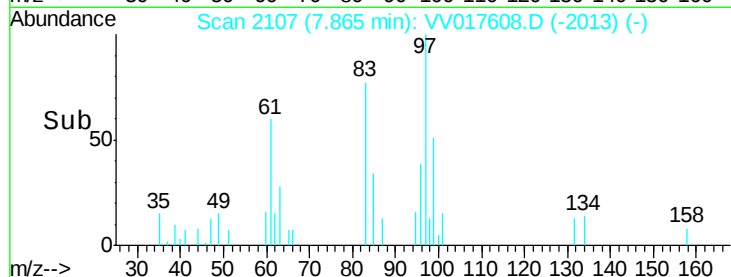
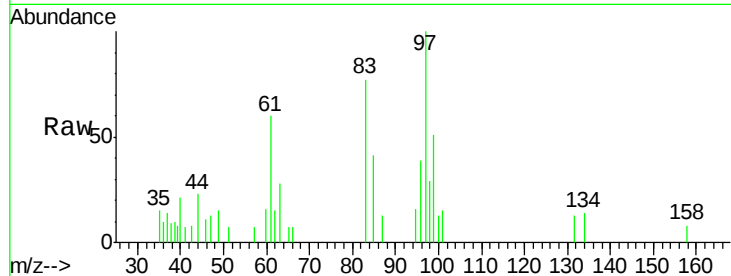
#47
1,1,2-Trichloroethane
Concen: 0.280 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	2554
Ion	Ratio	Lower	Upper
97	100		
99	51.4	39.5	73.4
83	77.3	52.6	97.6
85	40.7	35.1	65.1

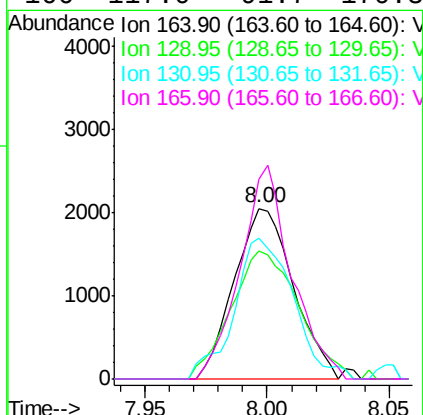
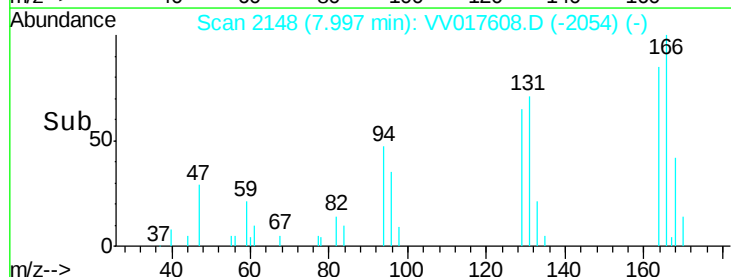
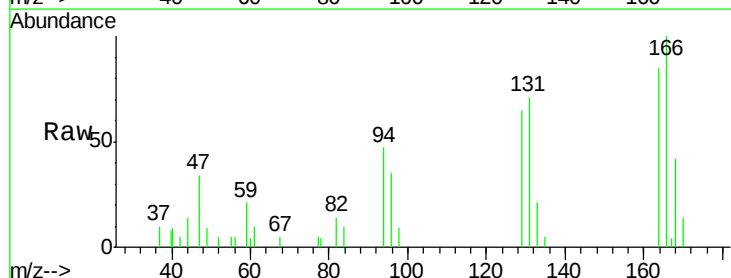
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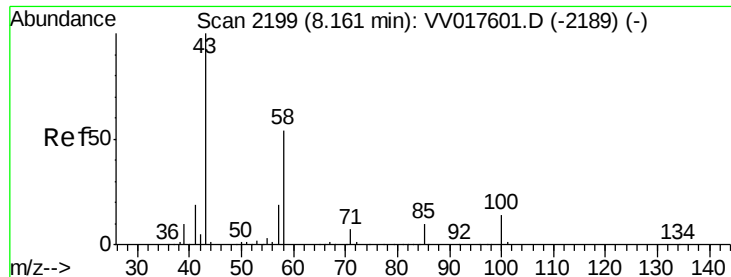
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#49
Tetrachloroethene
Concen: 0.273 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion:	164	Resp:	3449
Ion	Ratio	Lower	Upper
164	100		
129	75.5	65.0	120.8
131	82.5	63.6	118.2
166	117.0	91.7	170.3





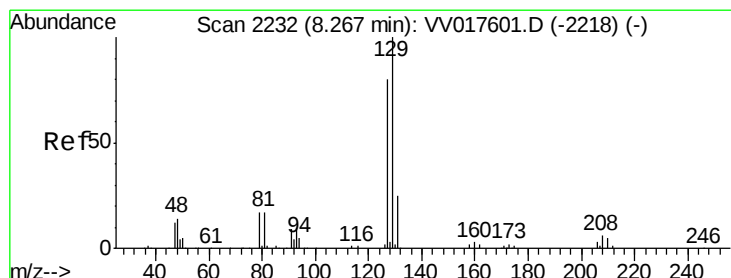
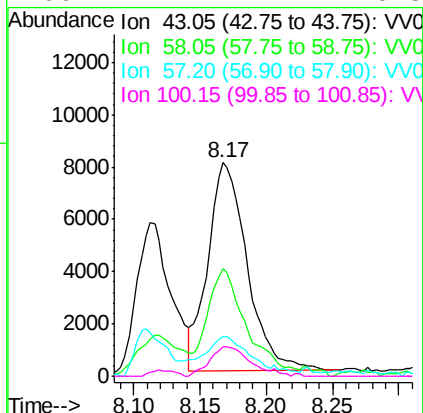
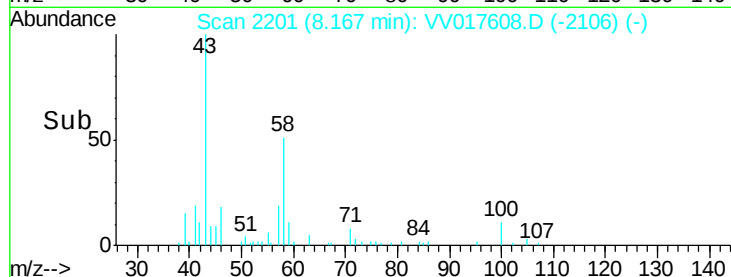
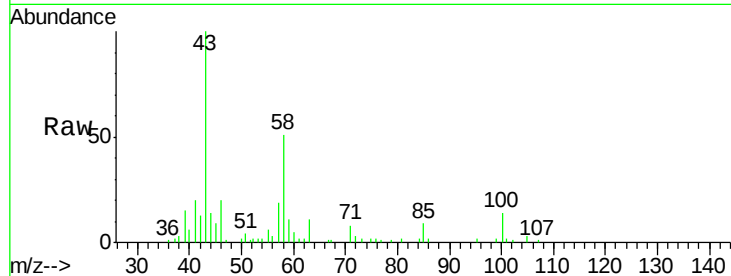
#50
2-Hexanone
Concen: 3.513 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	43	Resp:	16417
Ion Ratio	Lower	Upper	
43	100		
58	52.6	41.6	62.4
57	17.0	15.4	23.0
100	14.7	11.2	16.8

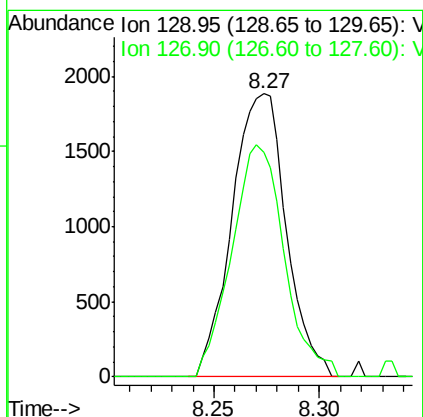
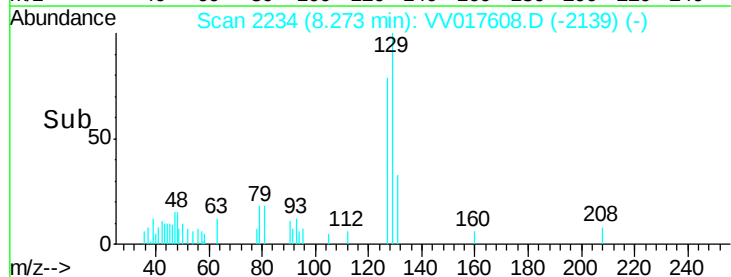
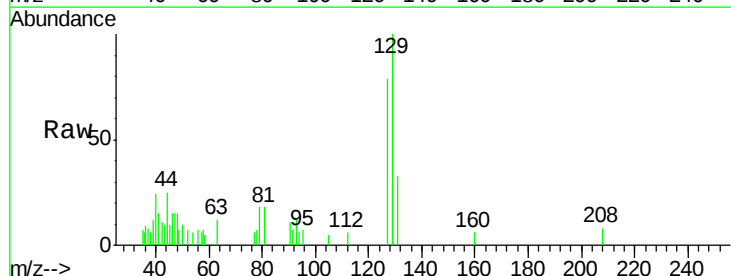
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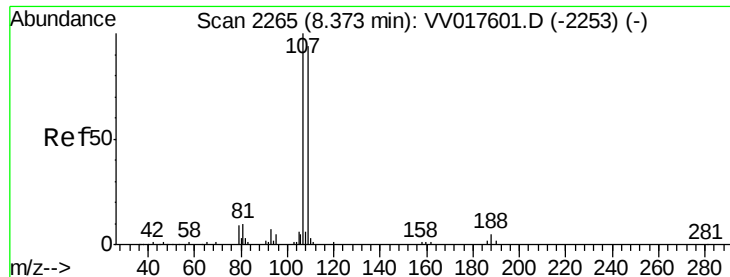
sam
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#51
Dibromochloromethane
Concen: 0.289 ug/L
RT: 8.27 min Scan# 2234
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion:	129	Resp:	3363
Ion Ratio	Lower	Upper	
129	100		
127	79.5	56.3	104.5





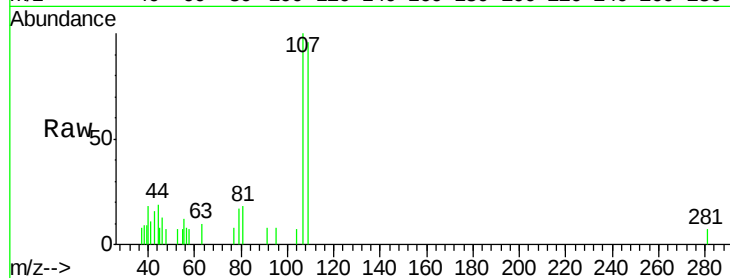
#52
 1,2-Dibromoethane
 Concen: 0.291 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

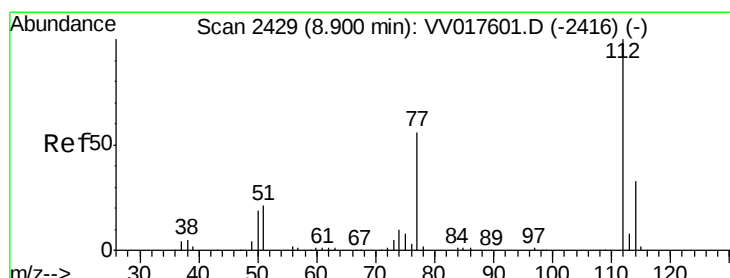
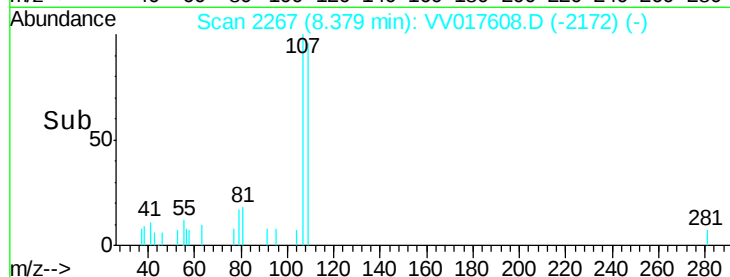
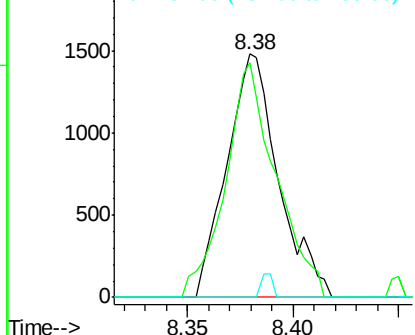
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	65.5	121.7
188	0.0	3.7	5.5#

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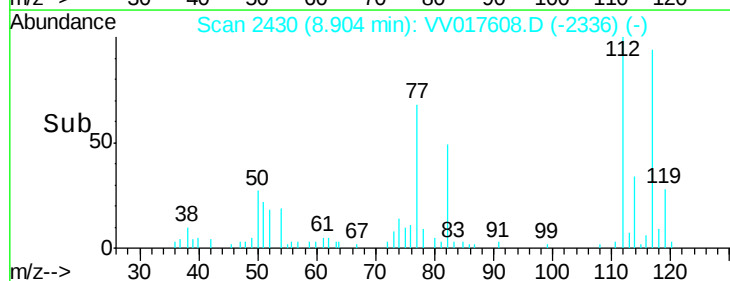
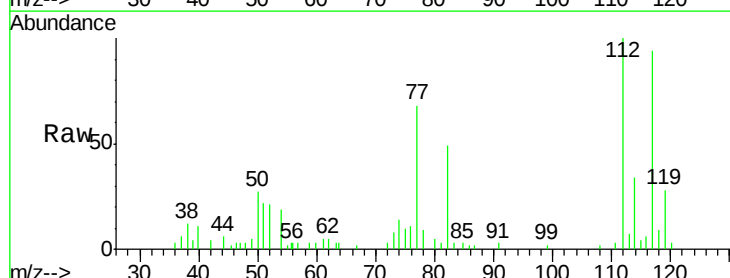
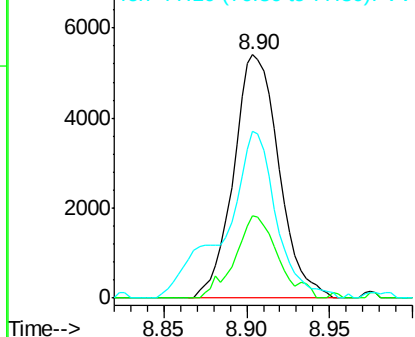
Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

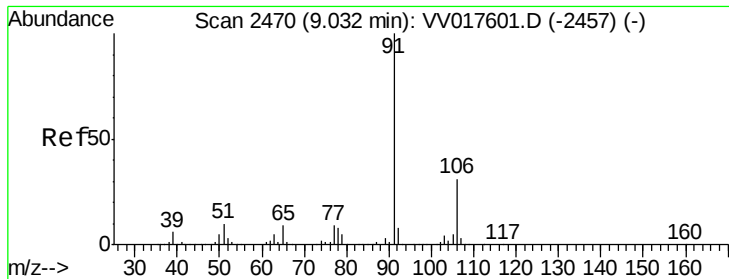


#53
 Chlorobenzene
 Concen: 0.277 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	23.2	43.2
77	68.3	45.6	68.4

Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 0.242 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 91 Resp: 15133

Ion Ratio Lower Upper

91 100

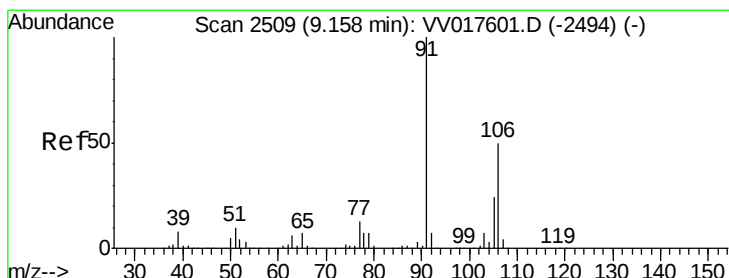
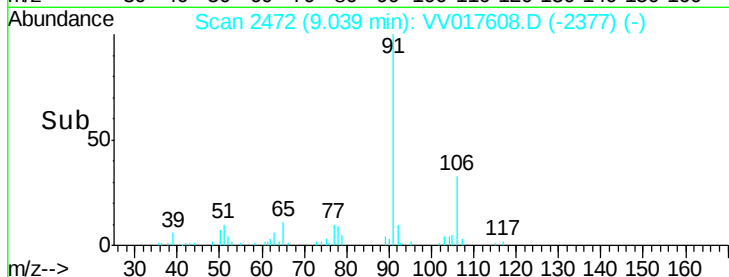
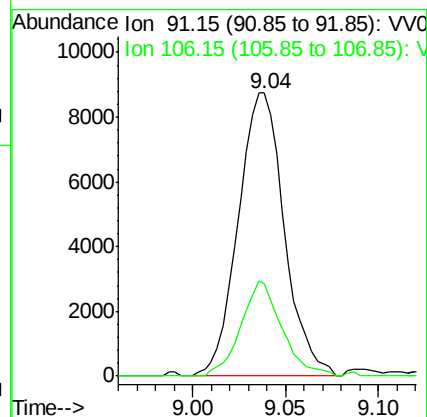
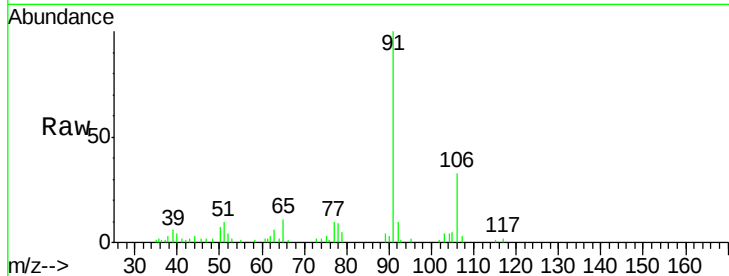
106 32.9 21.6 40.2

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#55

m,p-xylene

Concen: 0.261 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017608.D

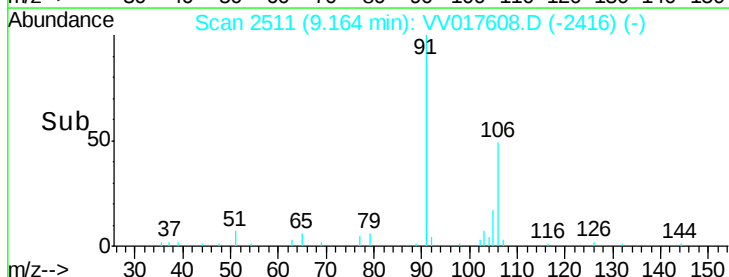
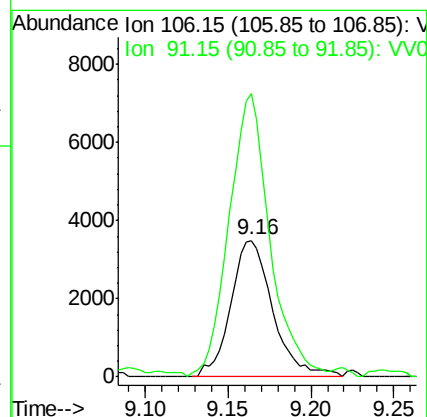
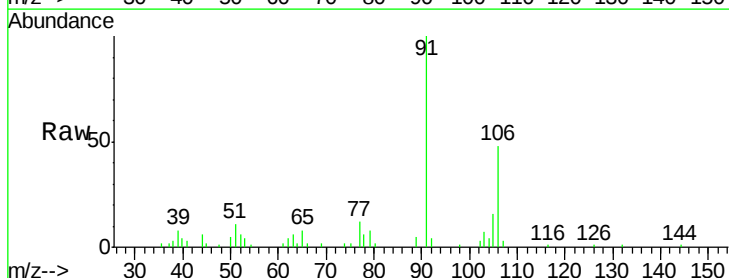
Acq: 23 Jul 2020 17:26

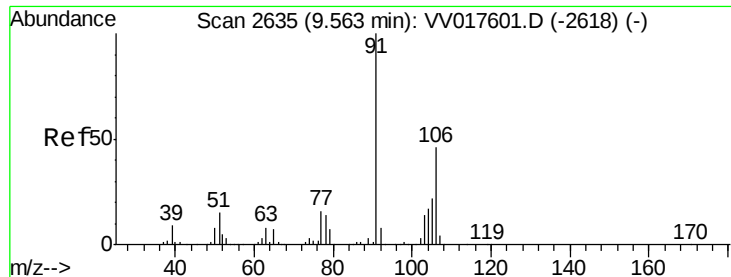
Tgt Ion: 106 Resp: 6153

Ion Ratio Lower Upper

106 100

91 207.2 141.3 262.3





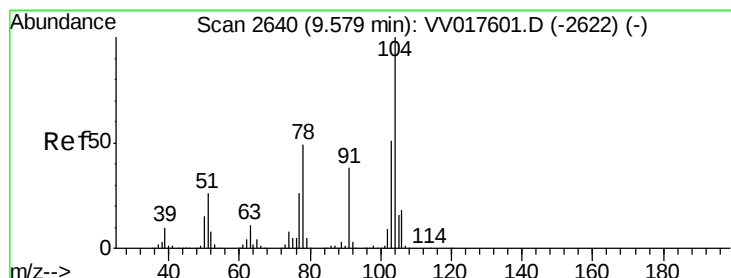
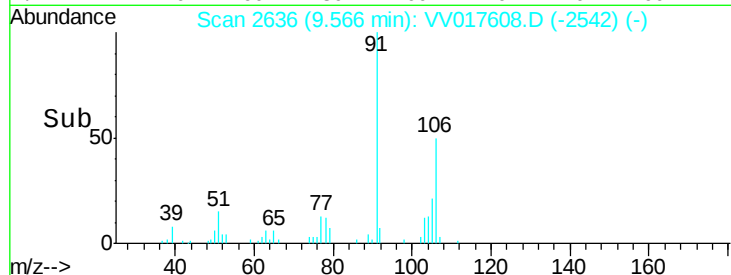
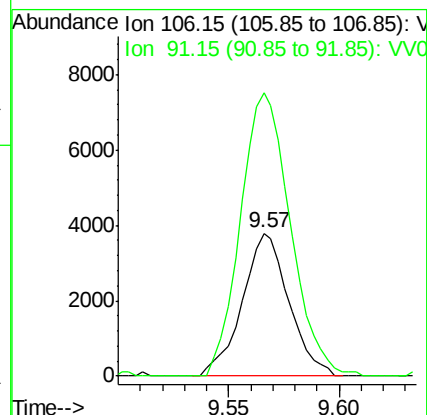
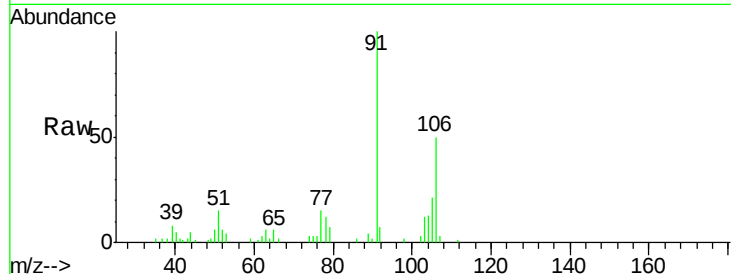
#56
o-xylene
Concen: 0.242 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion:106 Resp: 5543
Ion Ratio Lower Upper
106 100
91 198.3 153.9 285.7

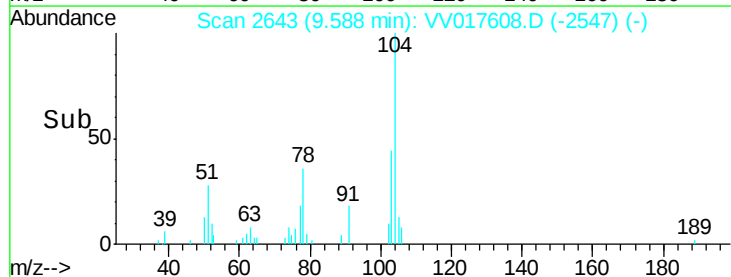
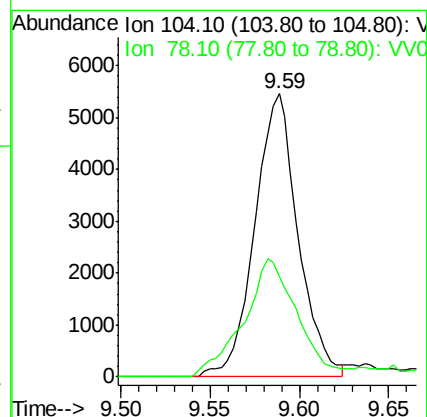
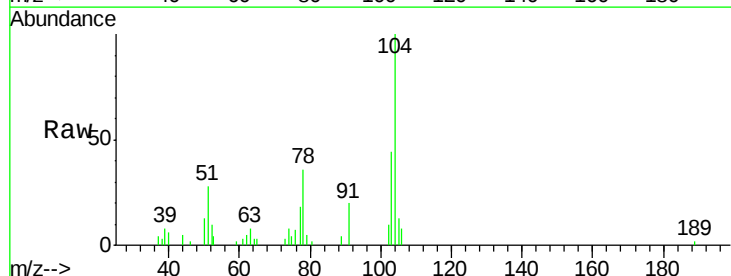
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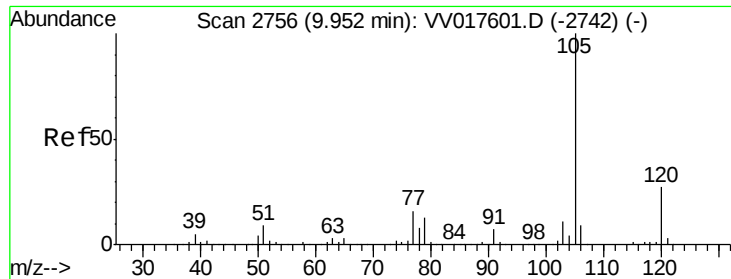
sam
7/24/2020 7:04:48 PM



#57
Styrene
Concen: 0.242 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV017608.D
Acq: 23 Jul 2020 17:26

Tgt Ion:104 Resp: 9253
Ion Ratio Lower Upper
104 100
78 35.7 34.0 63.2





#58

Isopropylbenzene

Concen: 0.237 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

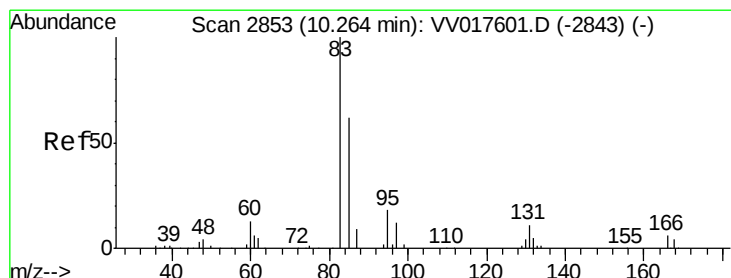
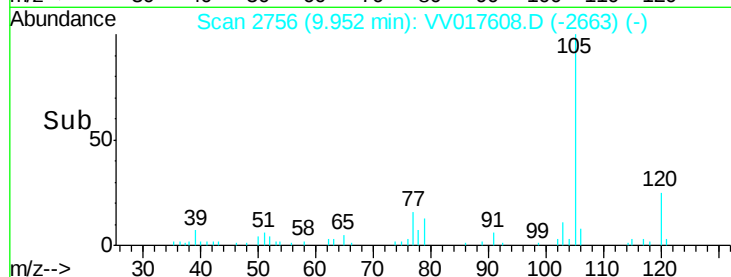
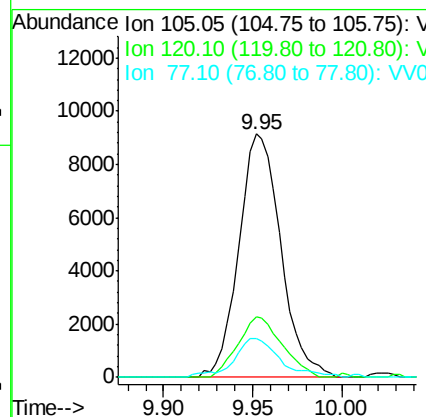
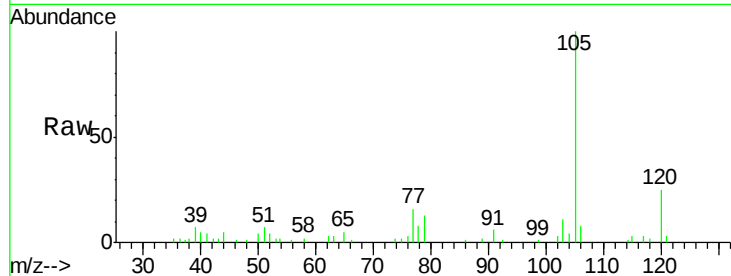
MDL03

Tot Ion:	105	Resp:	14935
Ion Ratio	Lower	Upper	
105	100		
120	26.1	21.1	31.7
77	17.7	13.0	19.6

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.273 ug/L

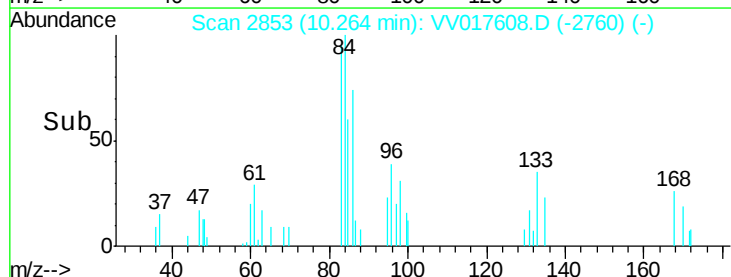
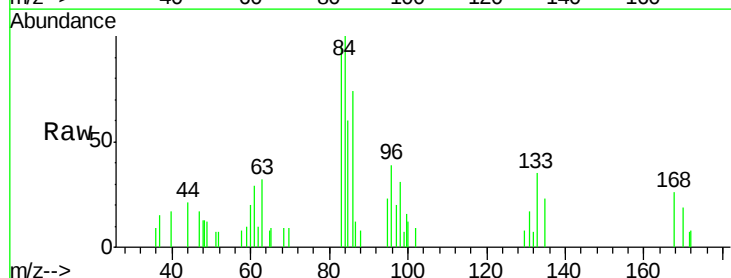
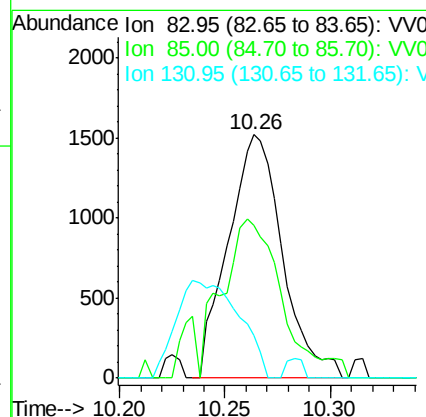
RT: 10.26 min Scan# 2853

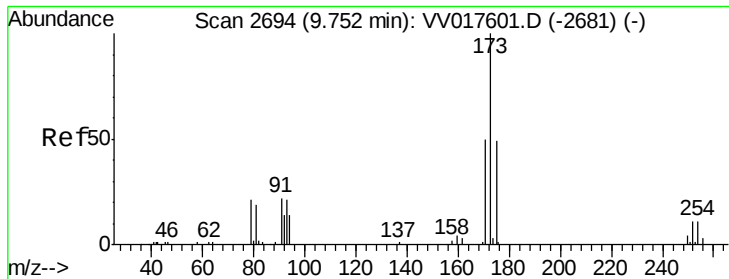
Delta R.T. -0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Tgt Ion:	83	Resp:	2719
Ion Ratio	Lower	Upper	
83	100		
85	62.9	44.4	82.5
131	17.5	9.2	13.8#





#62

Bromoform

Concen: 0.289 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

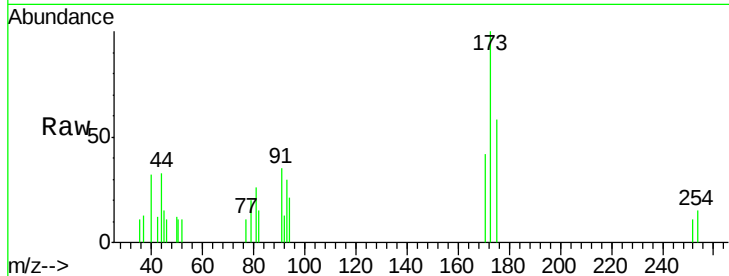
ClientSampled :

MDL03

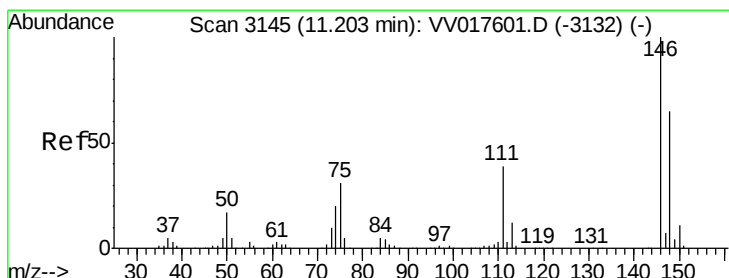
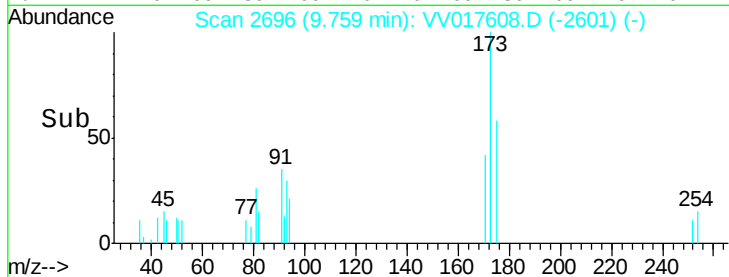
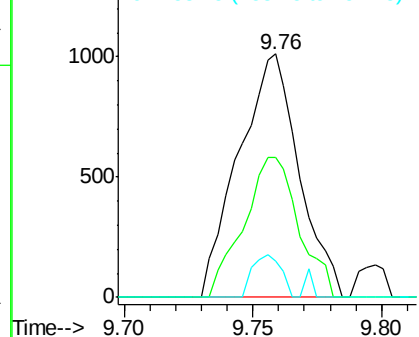
Tot Ion:	173	Resp:	1655
Ion Ratio	Lower	Upper	
173	100		
175	52.6	39.6	59.4
254	8.3	8.4	12.6

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 0.271 ug/L

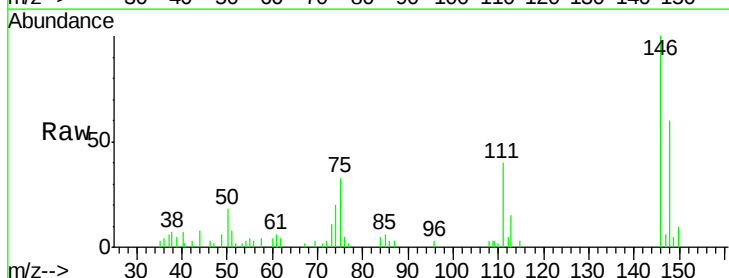
RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

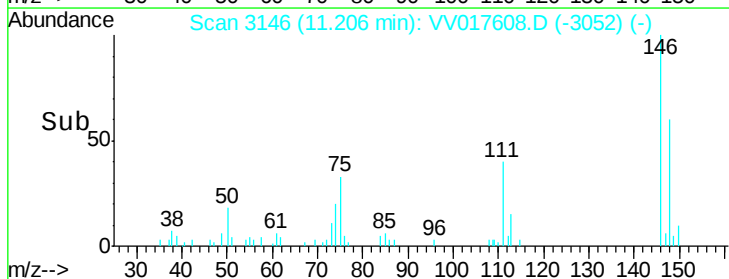
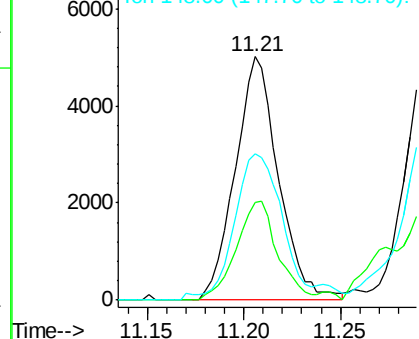
Lab File: VV017608.D

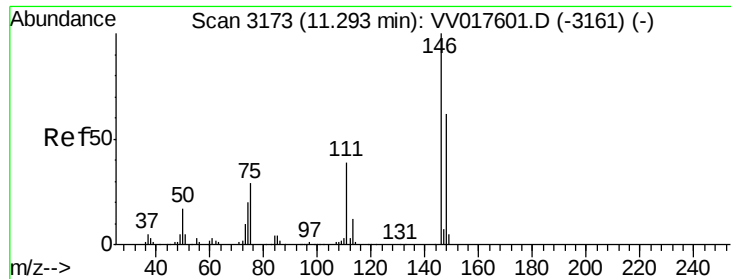
Acq: 23 Jul 2020 17:26

Tgt Ion:	146	Resp:	7795
Ion Ratio	Lower	Upper	
146	100		
111	40.1	27.3	50.7
148	60.0	45.6	84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.305 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

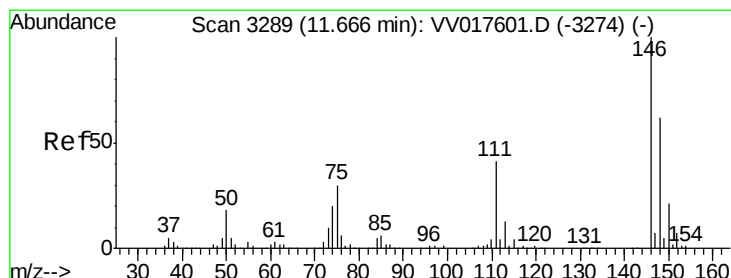
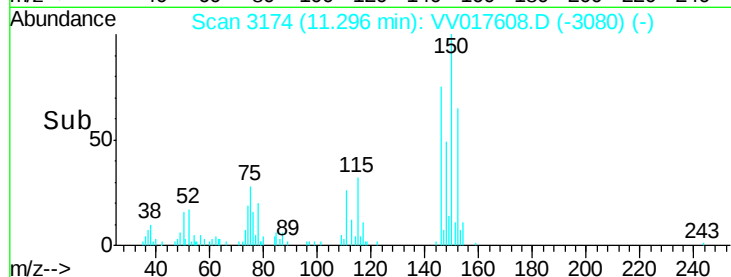
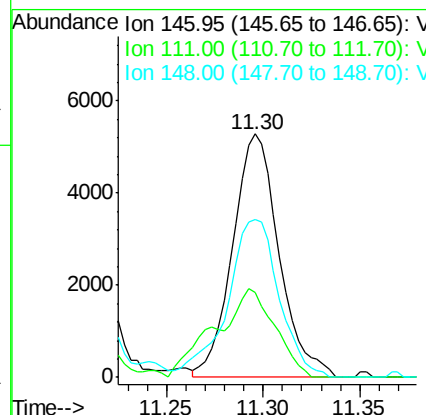
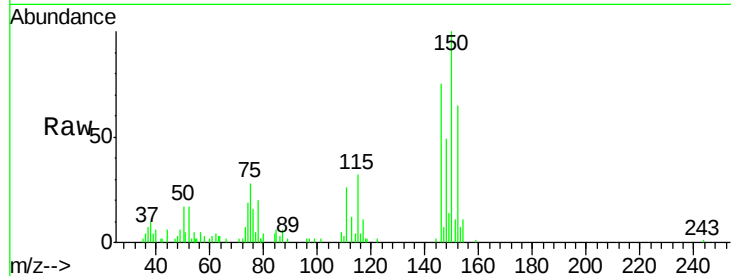
ClientSampleId :

MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	27.4	51.0
148	64.6	43.8	81.4

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#66

1,2-Dichlorobenzene

Concen: 0.304 ug/L

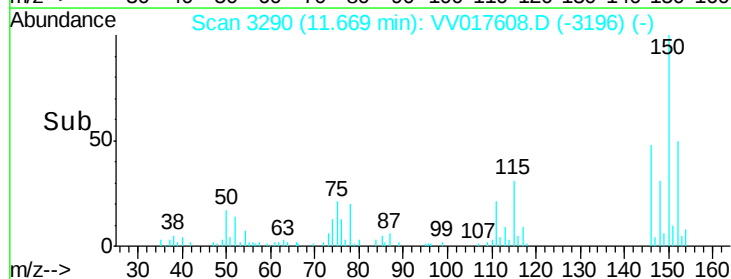
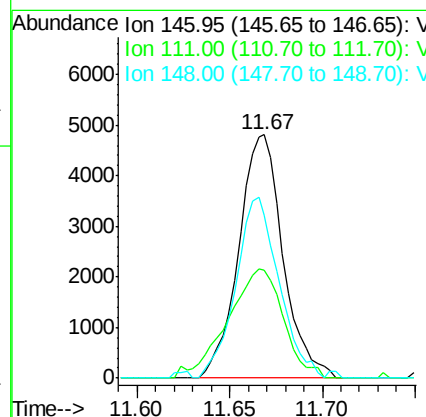
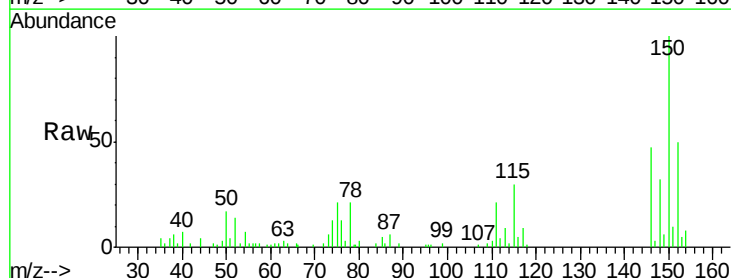
RT: 11.67 min Scan# 3290

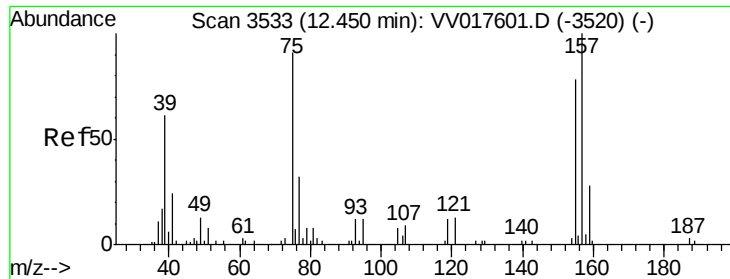
Delta R.T. 0.00 min

Lab File: VV017608.D

Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	33.0	49.4
148	67.1	49.9	74.9





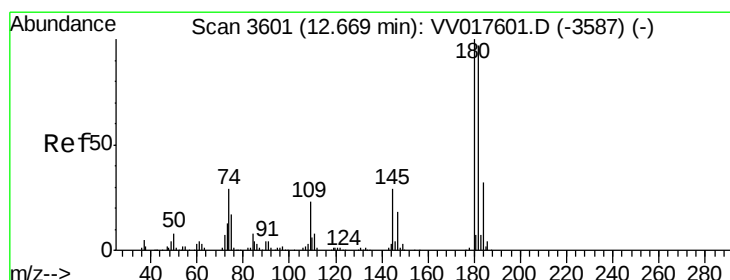
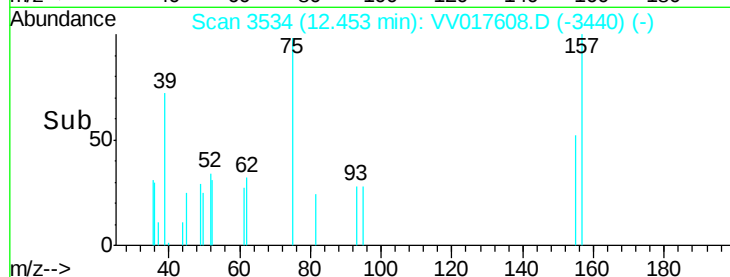
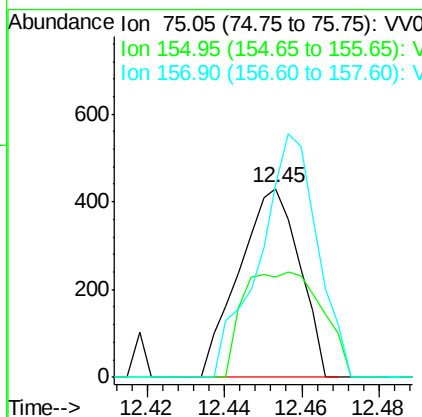
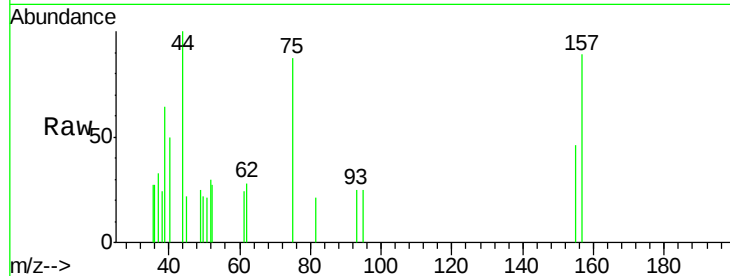
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.285 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 467
 Ion Ratio Lower Upper
 75 100
 155 52.8 68.7 103.1#
 157 101.9 87.8 131.8

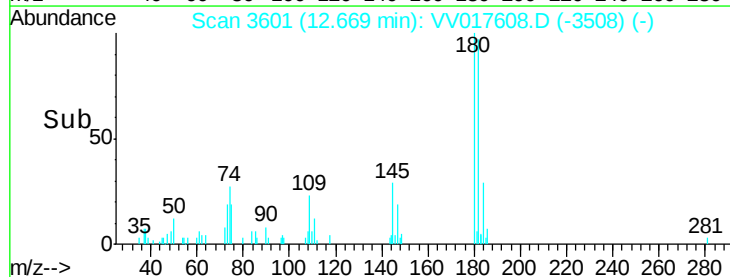
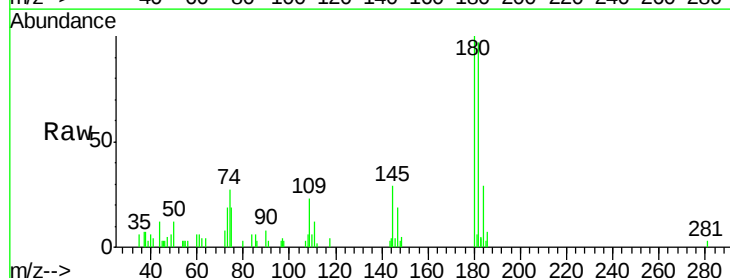
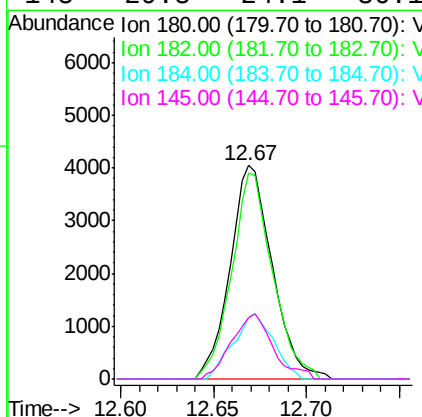
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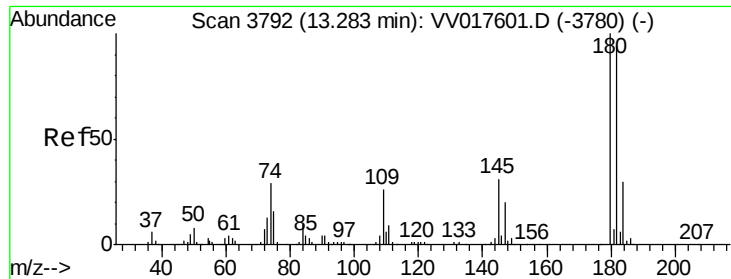
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#68
 1,3,5-Trichlorobenzene
 Concen: 0.273 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion: 180 Resp: 6393
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.1 115.7
 184 29.0 25.2 37.8
 145 29.8 24.1 36.1





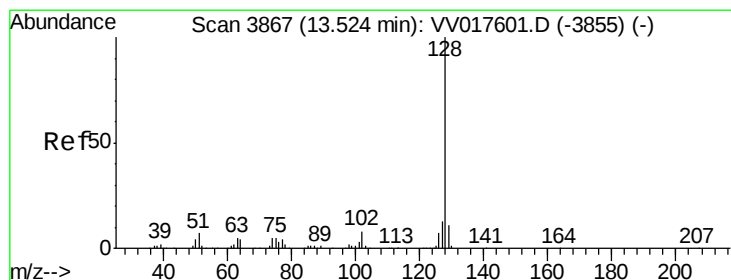
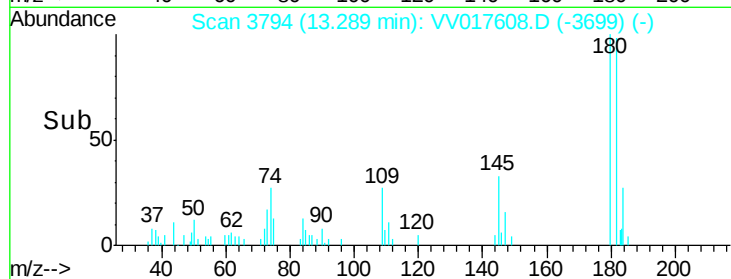
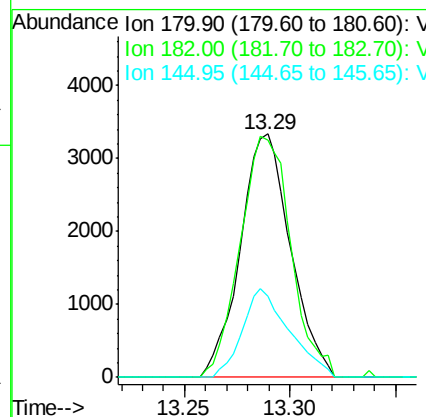
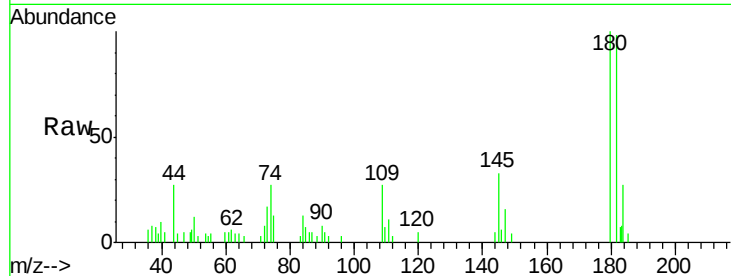
#69
 1,2,4-trichlorobenzene
 Concen: 0.283 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	75.4	113.2
145	33.9	24.2	36.2

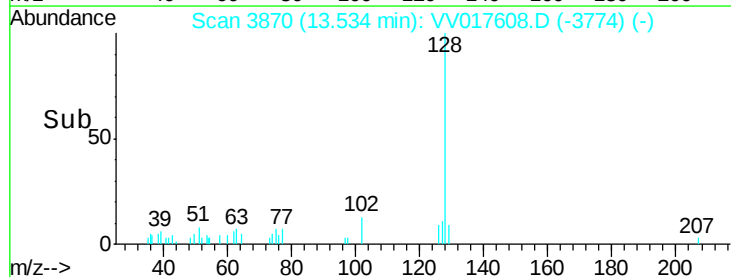
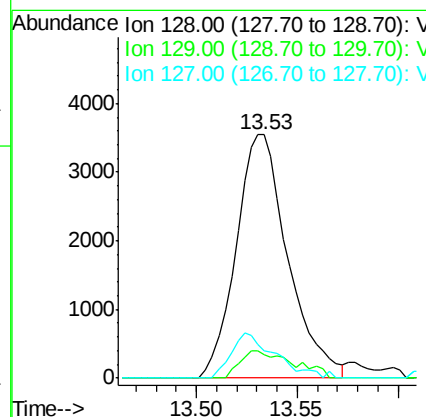
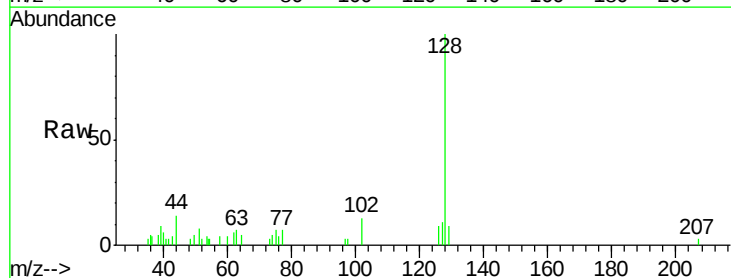
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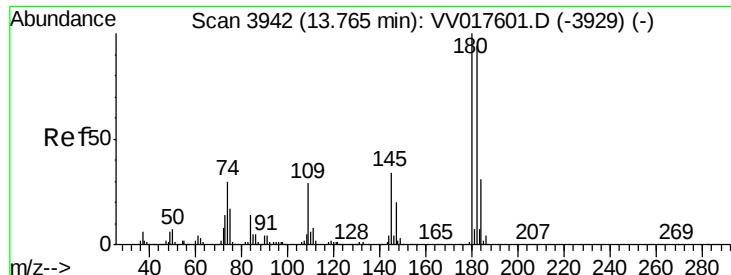
sam
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#70
 Naphthalene
 Concen: 0.233 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	16.0	11.0	16.6





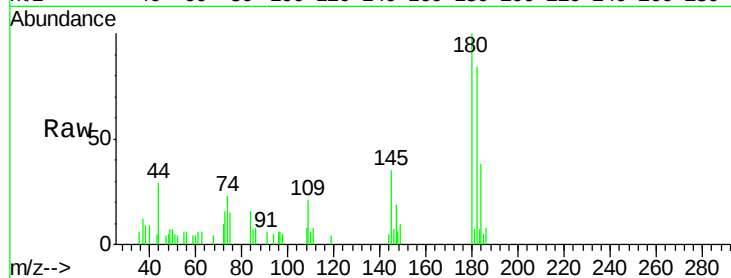
#71
 1,2,3-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VV017608.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.2	111.4
145	34.2	26.0	39.0

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Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

