

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014995.D
 Acq On : 14 Feb 2020 14:10
 Operator : SY/VA
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:35 PM

Quant Time: Feb 15 03:35:29 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Sat Feb 15 03:16:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	702151	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	664958	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	270669	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352712	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
7) Chloroethane-d5	2.89	69	266932	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	4.02	63	478313	18.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.40%
21) 2-Butanone-d5	7.07	46	213516	54.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.36%
24) Chloroform-d	7.65	84	557445	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.30	65	351991	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	8.27	84	1132289	25.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	9.27	67	389999	25.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.24%
41) Toluene-d8	10.32	98	963565	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.96%
43) trans-1,3-Dichloropropene-	10.57	79	145834	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.64%
47) 2-Hexanone-d5	10.92	63	147678	53.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.76%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	297343	25.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	267972	26.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	12985	1.862 ug/L	99
3) Chloromethane	2.21	50	27487	2.095 ug/L	99
5) Vinyl chloride	2.36	62	36655	2.171 ug/L #	72
6) Bromomethane	2.78	94	15289	1.996 ug/L	100
8) Chloroethane	2.92	64	18611	2.060 ug/L	95
9) Trichlorofluoromethane	3.26	101	11329	1.699 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	26341m	2.414 ug/L	
12) 1,1-Dichloroethene	4.04	96	23397	2.236 ug/L #	1
13) Acetone	4.12	43	20116	4.889 ug/L	69
14) Carbon disulfide	4.38	76	72407	1.914 ug/L	98
15) Methyl Acetate	4.67	43	15060	2.110 ug/L #	87
16) Methylene chloride	4.92	84	54317	4.187 ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	20367	1.929 ug/L	97
18) Methyl tert-butyl Ether	5.42	73	25397	1.949 ug/L #	76
19) 1,1-Dichloroethane	6.21	63	47547	2.016 ug/L	99
20) cis-1,2-Dichloroethene	7.16	96	21317	1.959 ug/L	98
22) 2-Butanone	7.18	43	18801	3.801 ug/L	96

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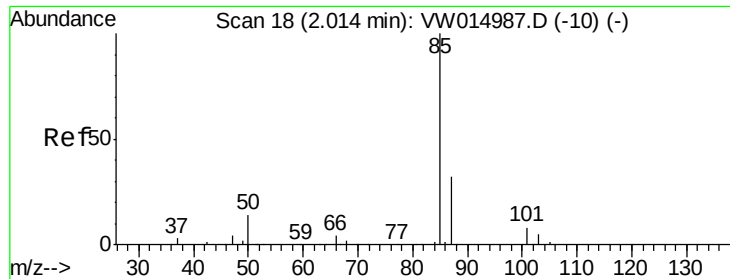
Manual Integrations
 APPROVED

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Quant Time: Feb 15 03:35:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	9355	2.119	ug/L	94
25) Chloroform	7.67	83	47203	2.246	ug/L	100
27) 1,2-Dichloroethane	8.40	62	33166	2.148	ug/L	97
29) Cyclohexane	7.96	56	34209	1.578	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	31633	1.956	ug/L	96
31) Carbon tetrachloride	8.07	117	28577	1.960	ug/L	100
33) Benzene	8.32	78	98329	2.014	ug/L	100
34) Trichloroethene	9.09	95	22358	1.912	ug/L	94
35) Methylcyclohexane	9.34	83	34336	1.703	ug/L	94
37) 1,2-Dichloropropane	9.37	63	27085	1.986	ug/L #	95
38) Bromodichloromethane	9.65	83	30735	2.002	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	35454	1.943	ug/L	92
40) 4-Methyl-2-pentanone	10.21	43	37378	3.850	ug/L	99
42) Toluene	10.38	91	95606	2.027	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	30068m	1.987	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17392	2.103	ug/L	95
46) Tetrachloroethene	10.86	164	14984	1.973	ug/L	98
48) 2-Hexanone	10.97	43	28418	4.018	ug/L	97
49) Dibromochloromethane	11.13	129	16992	1.972	ug/L	100
50) 1,2-Dibromoethane	11.23	107	15418	2.068	ug/L #	98
51) Chlorobenzene	11.65	112	55032	1.978	ug/L	91
52) Ethylbenzene	11.72	91	91241	1.776	ug/L	97
53) m,p-Xylene	11.84	106	31472	1.746	ug/L	89
54) o-Xylene	12.16	106	27164	1.604	ug/L	99
55) Styrene	12.18	104	45265	1.551	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.71	83	23995	2.168	ug/L #	89
59) Bromoform	12.35	173	8723	2.108	ug/L	98
60) Isopropylbenzene	12.46	105	70267	1.658	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	17950	2.263	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	53118	1.572	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	50198	1.519	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	34756	1.990	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	37484	2.082	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	35005	2.166	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	3932	2.370	ug/L	92
69) 1,3,5-Trichlorobenzene	14.63	180	22509	1.923	ug/L	97
70) 1,2,4-trichlorobenzene	15.13	180	14722	1.678	ug/L	97
71) Naphthalene	15.36	128	12995	1.442	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	13739	1.690	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 1.862 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 12985

Ion Ratio Lower Upper

85 100

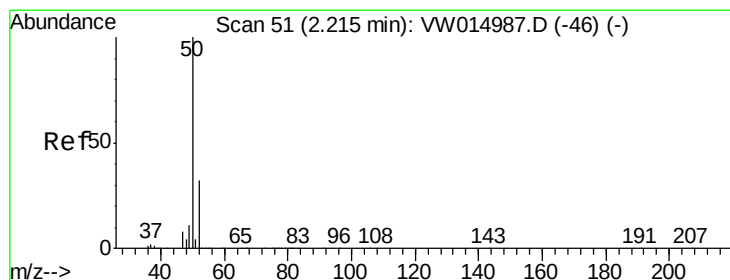
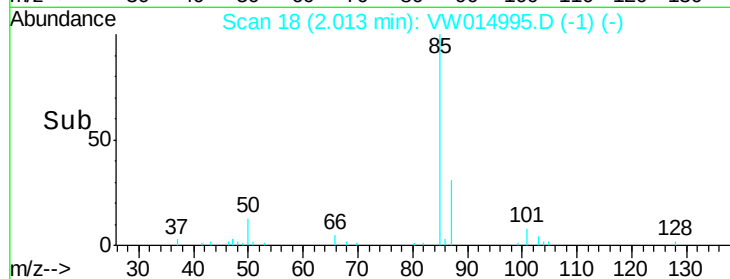
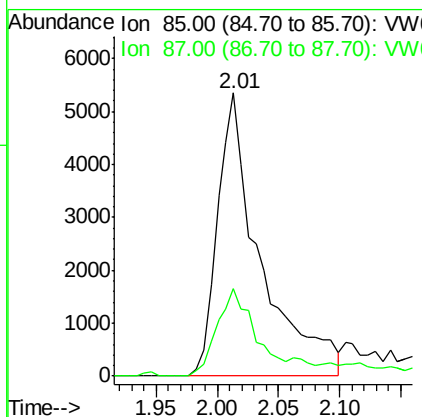
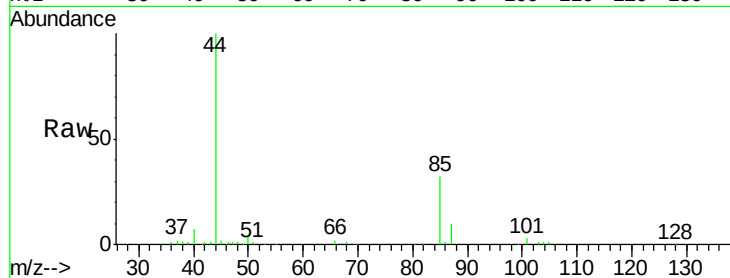
87 27.6 21.5 32.3

Manual Integrations

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#3

Chloromethane

Concen: 2.095 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014995.D

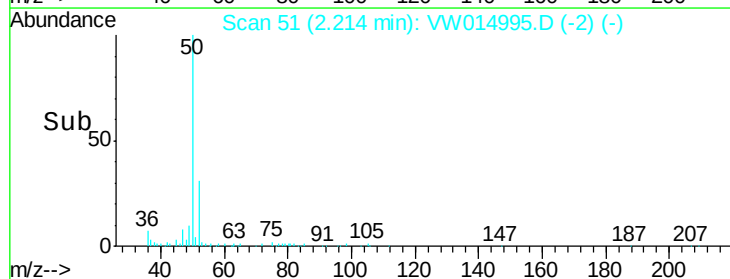
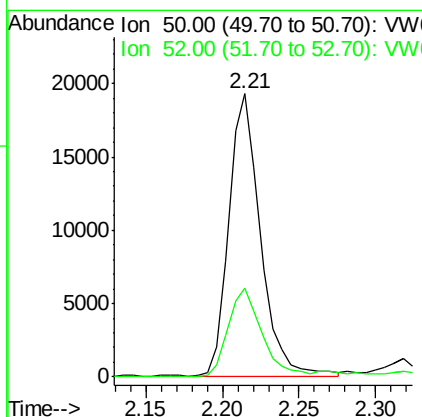
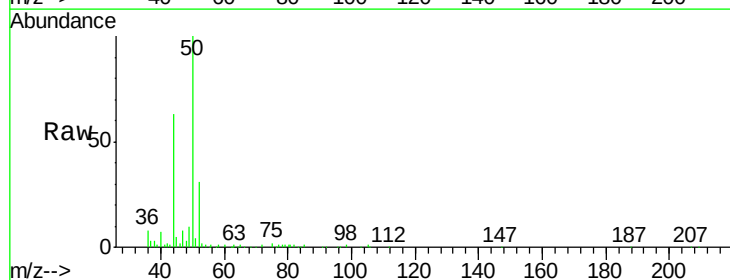
Acq: 14 Feb 2020 14:10

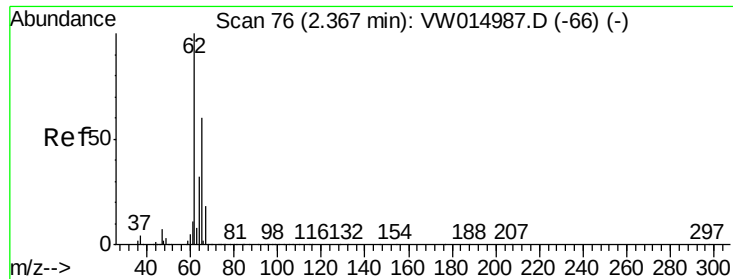
Tgt Ion: 50 Resp: 27487

Ion Ratio Lower Upper

50 100

52 31.3 22.3 41.3





#5

Vinyl chloride

Concen: 2.171 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 36655

Ion Ratio Lower Upper

62 100

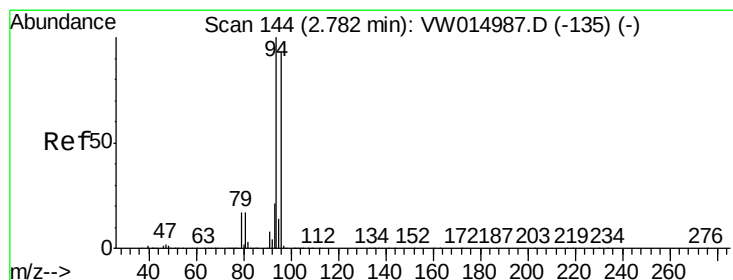
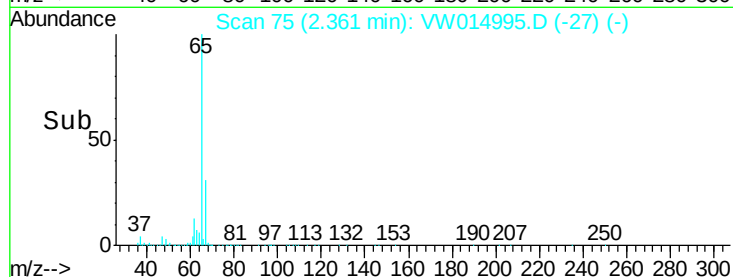
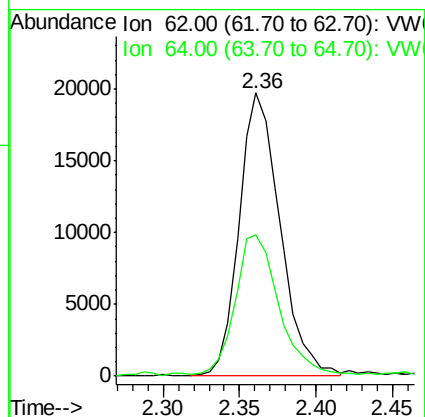
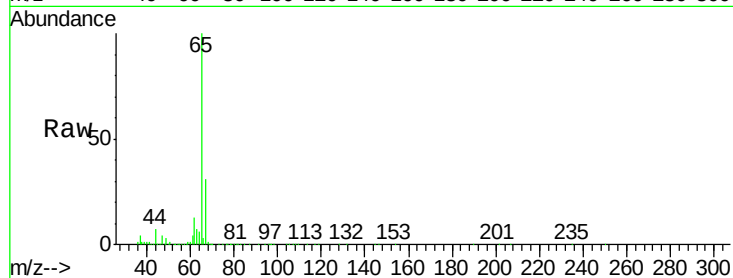
64 49.9 23.6 43.8#

Manual Integrations

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#6

Bromomethane

Concen: 1.996 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014995.D

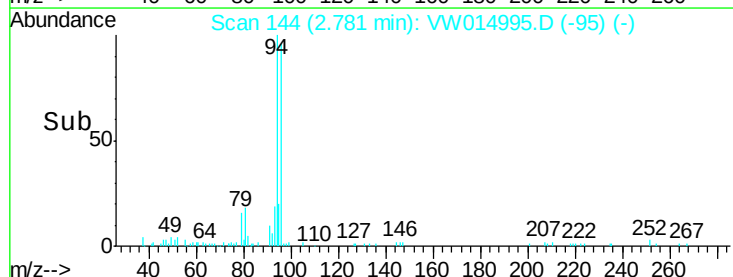
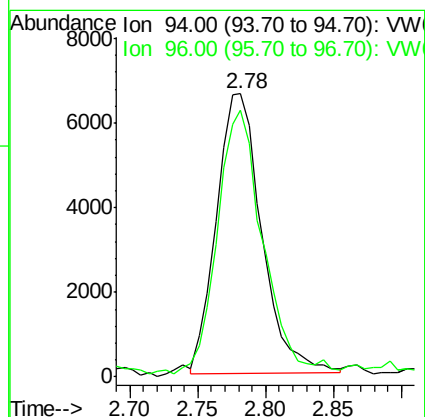
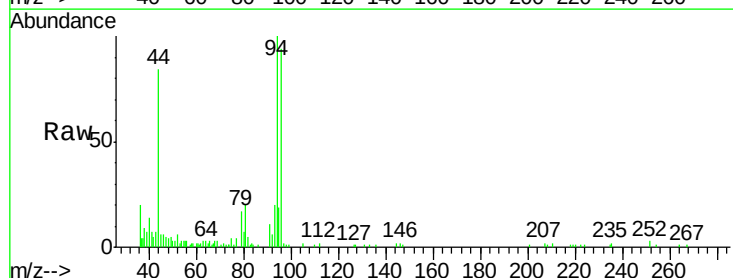
Acq: 14 Feb 2020 14:10

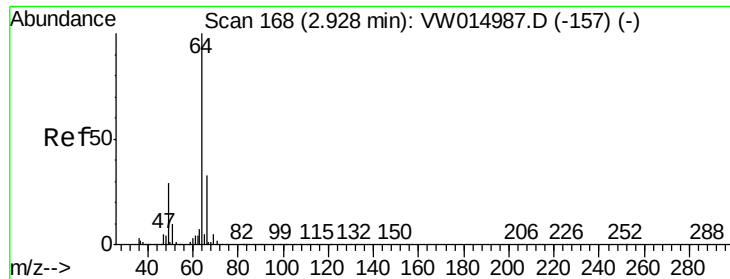
Tgt Ion: 94 Resp: 15289

Ion Ratio Lower Upper

94 100

96 94.3 65.8 122.2





#8

Chloroethane

Concen: 2.060 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 18611

Ion Ratio Lower Upper

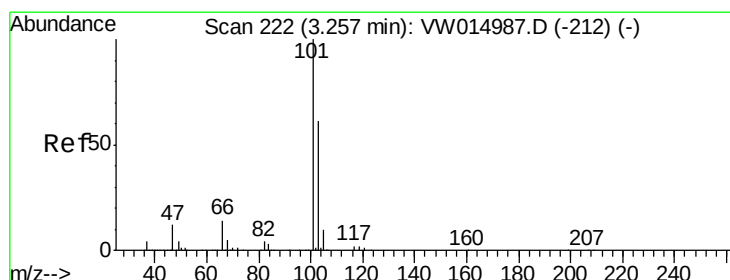
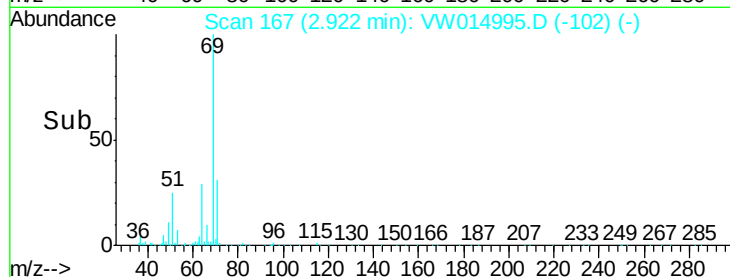
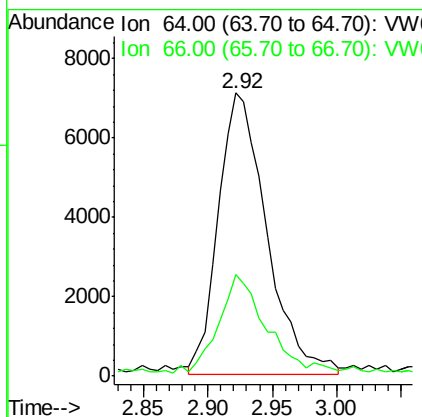
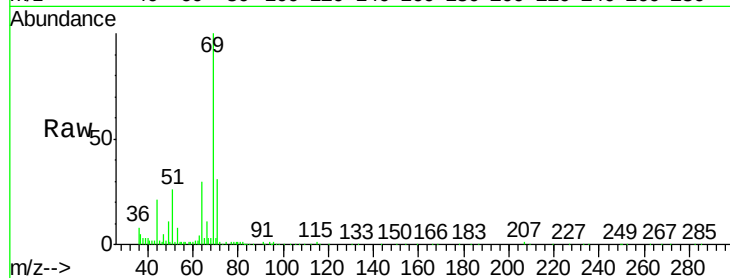
64 100

66 35.8 23.1 42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 1.699 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW014995.D

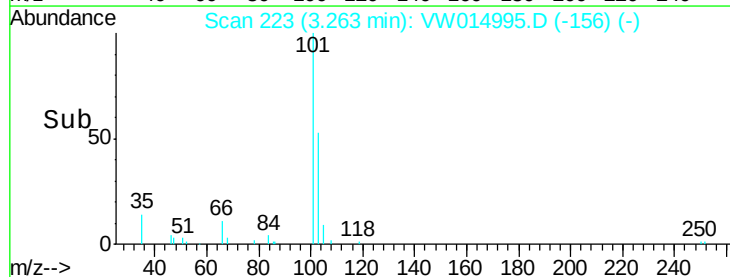
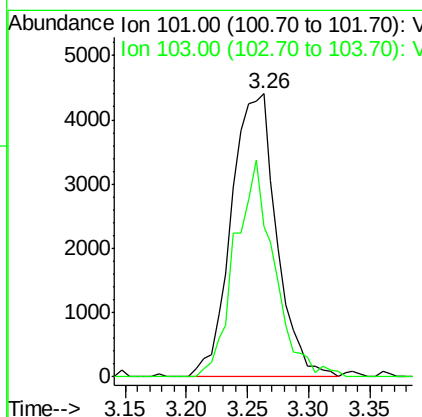
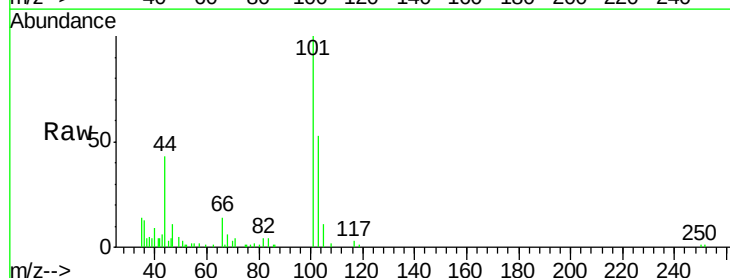
Acq: 14 Feb 2020 14:10

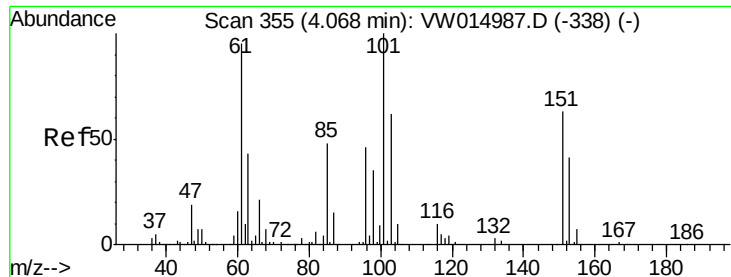
Tgt Ion: 101 Resp: 11329

Ion Ratio Lower Upper

101 100

103 64.0 51.5 77.3





#10

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

Concen: 2.414 ug/L m

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

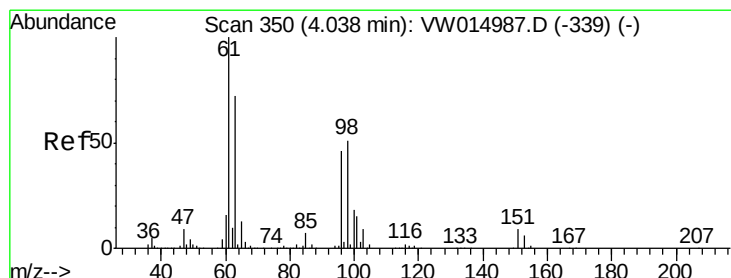
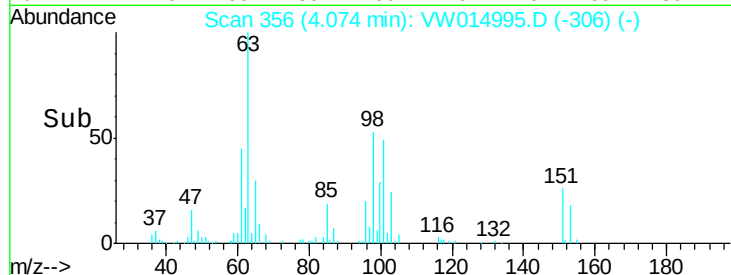
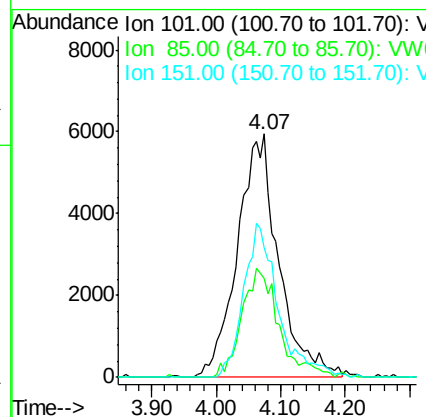
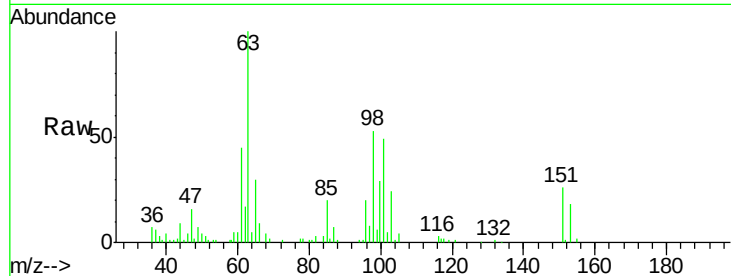
ClientSampled :

MDL05

Tot Ion:	101	Resp:	26341
Ion Ratio	Lower	Upper	
101	100		
85	27.0	36.5	54.7#
151	47.3	50.2	75.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.236 ug/L

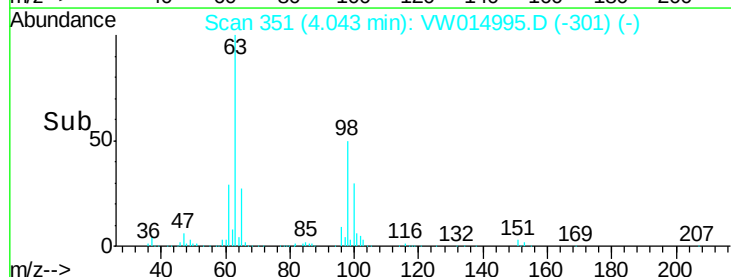
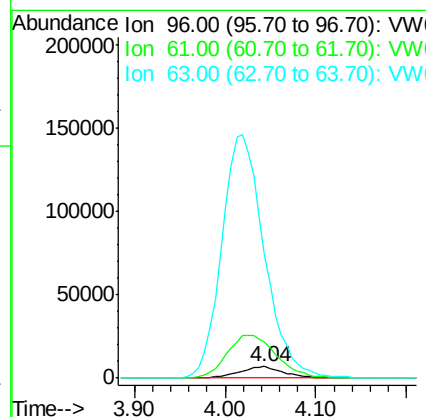
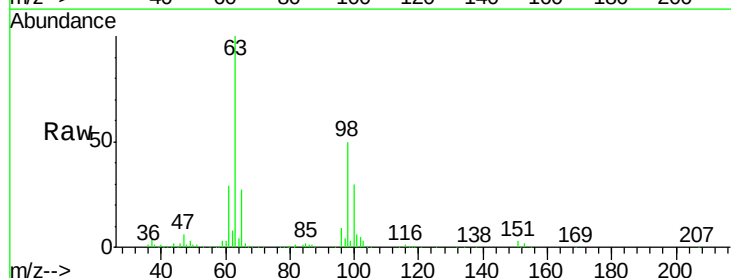
RT: 4.04 min Scan# 351

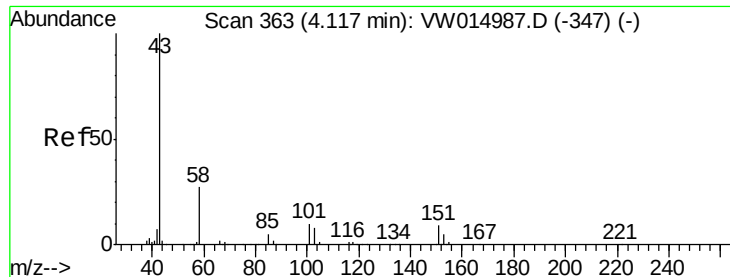
Delta R.T. 0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion:	96	Resp:	23397
Ion Ratio	Lower	Upper	
96	100		
61	310.7	147.0	273.0#
63	1081.0	113.4	210.6#





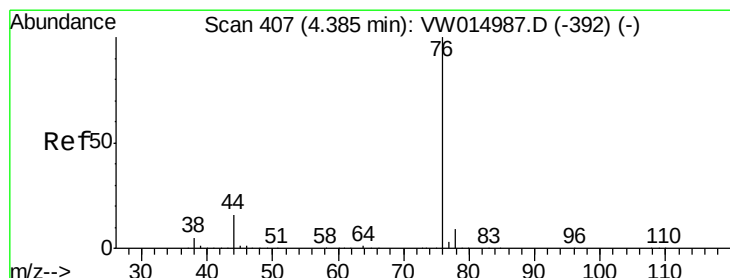
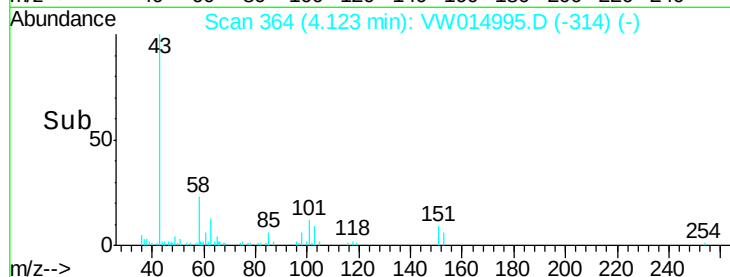
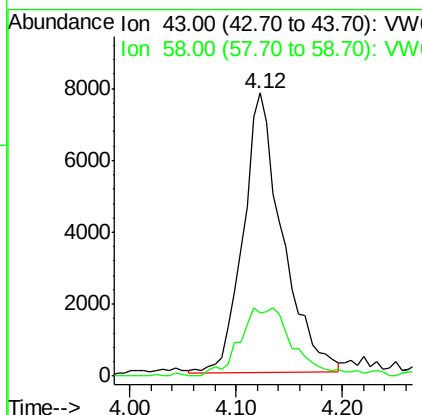
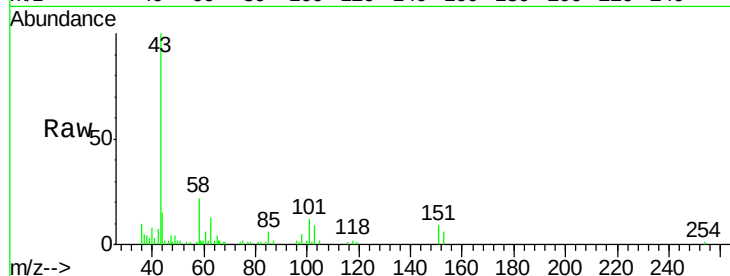
#13
Acetone
Concen: 4.889 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	11.2	0.0	54.6

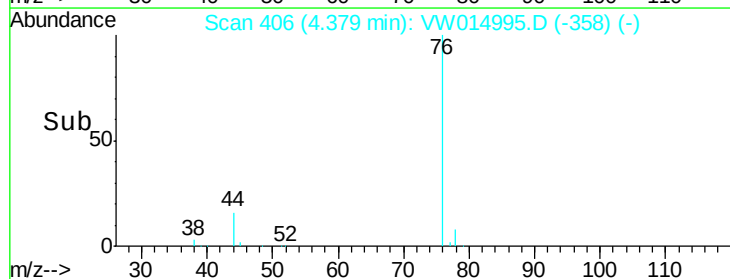
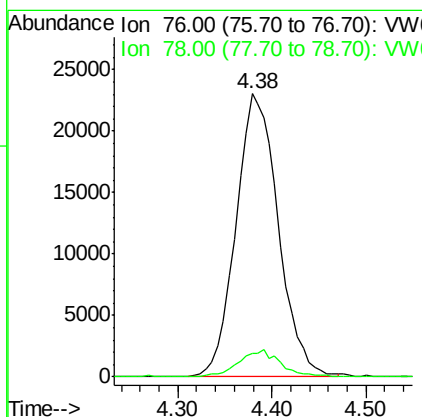
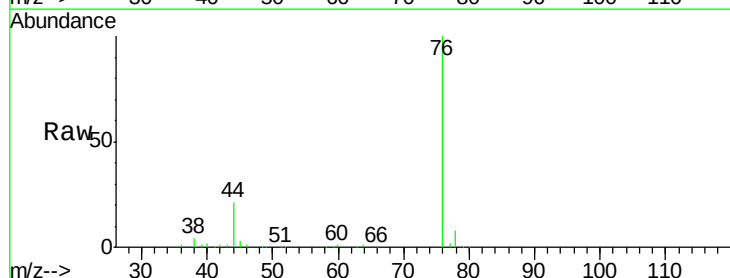
Manual Integrations
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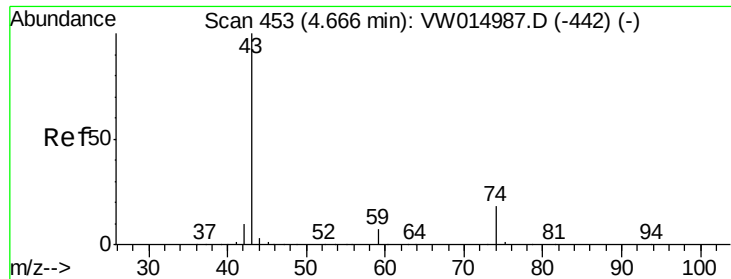
MMDadoda
2/17/2020 3:46:35 PM



#14
Carbon disulfide
Concen: 1.914 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.2	10.8





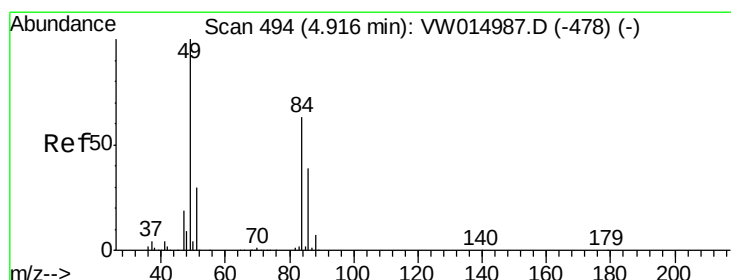
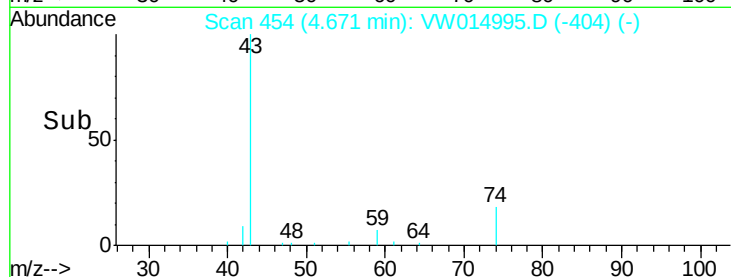
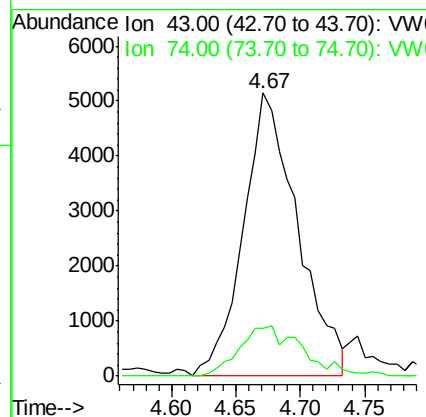
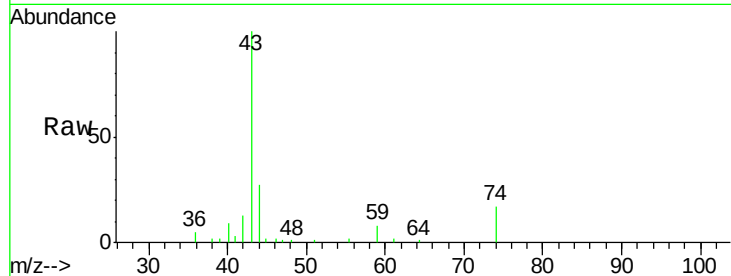
#15
Methyl Acetate
Concen: 2.110 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion: 43 Resp: 15060
Ion Ratio Lower Upper
43 100
74 12.6 14.6 21.8#

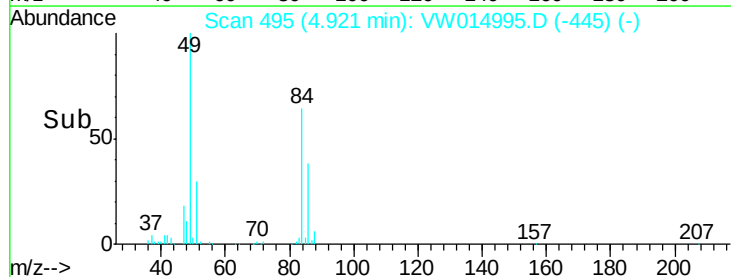
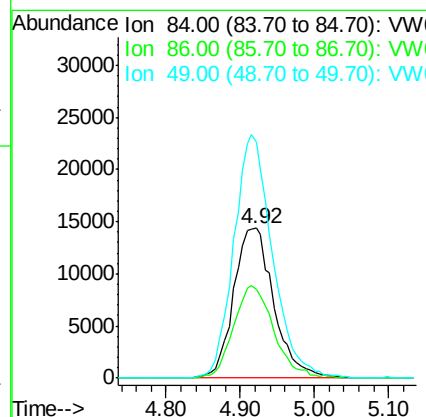
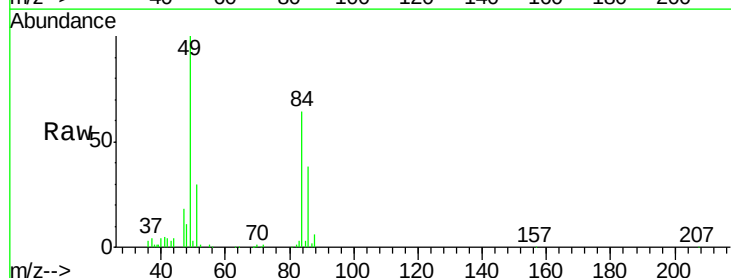
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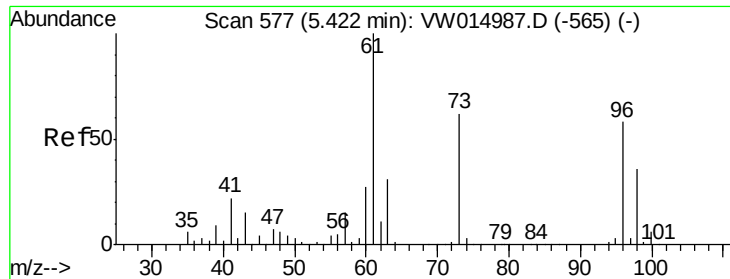
MMDadoda
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#16
Methylene chloride
Concen: 4.187 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion: 84 Resp: 54317
Ion Ratio Lower Upper
84 100
86 59.4 44.4 82.4
49 157.3 109.0 202.4





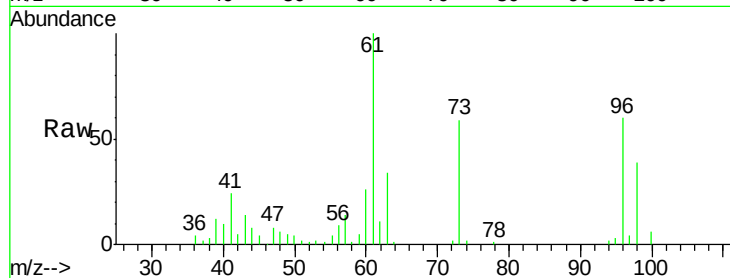
#17
trans-1,2-Dichloroethene
Concen: 1.929 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	120.1	223.1
98	65.8	43.8	81.3

Manual Integrations
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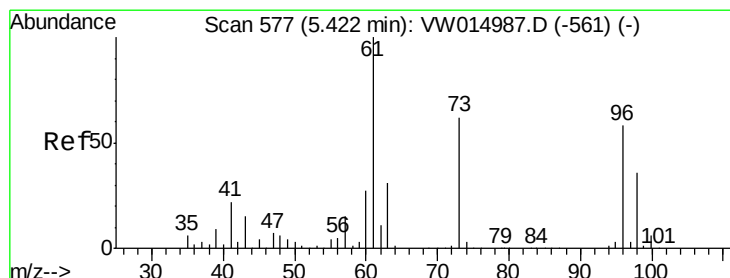
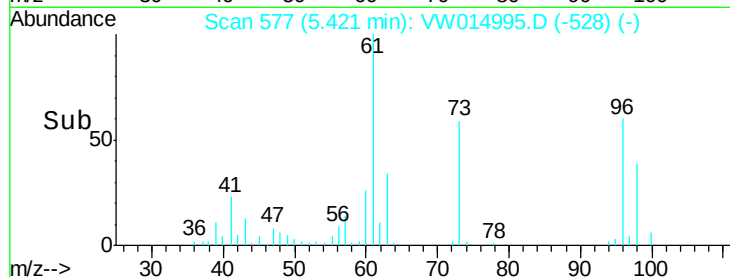
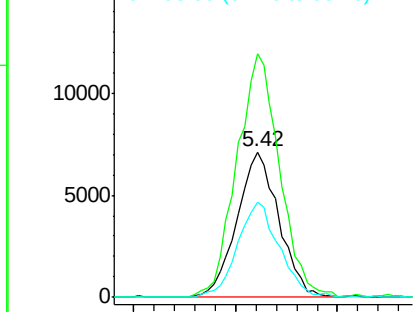


Abundance

Ion 96.00 (95.70 to 96.70): VW

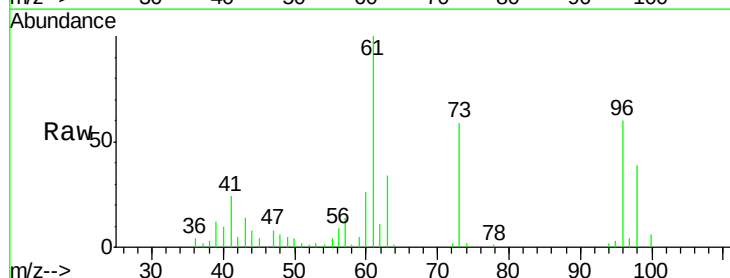
Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#18
Methyl tert-butyl Ether
Concen: 1.949 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.9	19.6	29.4#
57	14.1	21.0	31.4#

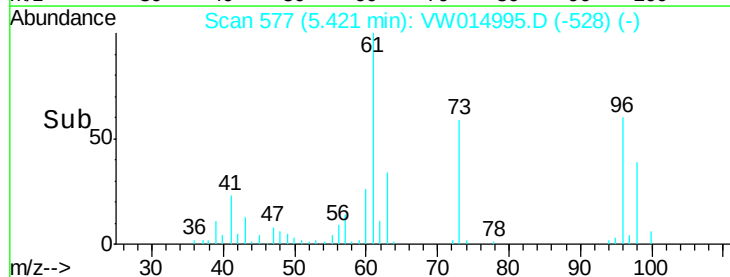
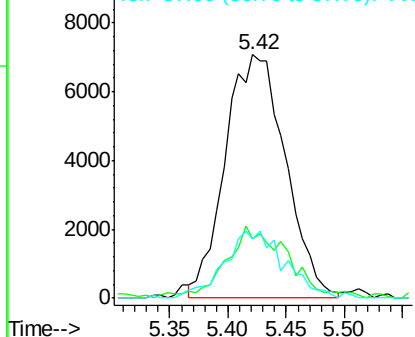


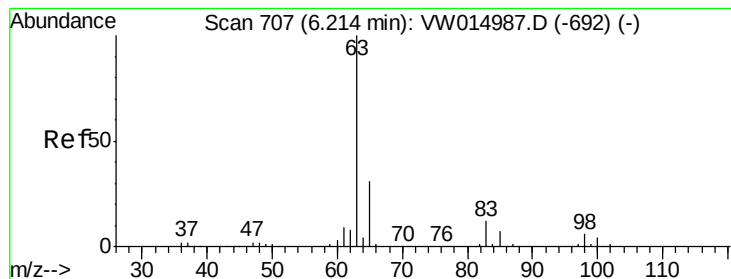
Abundance

Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 2.016 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

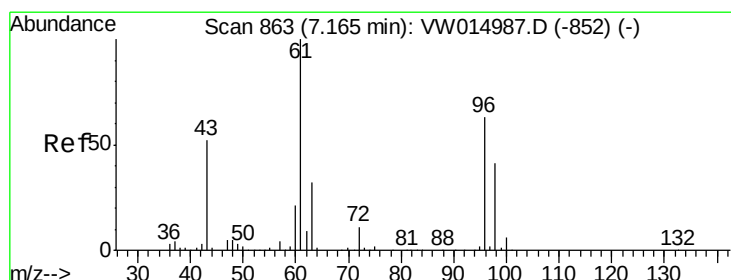
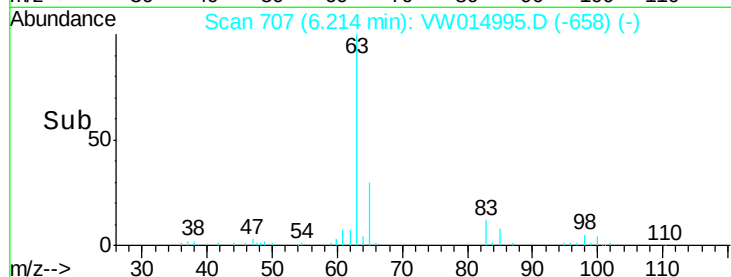
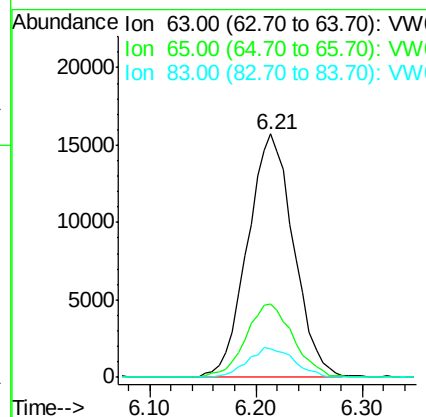
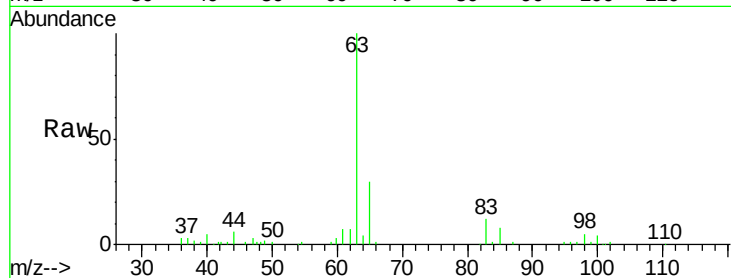
ClientSampleId :

MDL05

Tot Ion:	63	Resp:	47547
Ion	Ratio	Lower	Upper
63	100		
65	30.1	20.9	38.7
83	11.7	7.8	14.6

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#20

cis-1,2-Dichloroethene

Concen: 1.959 ug/L

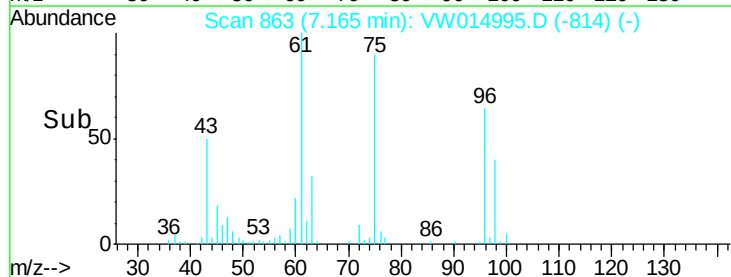
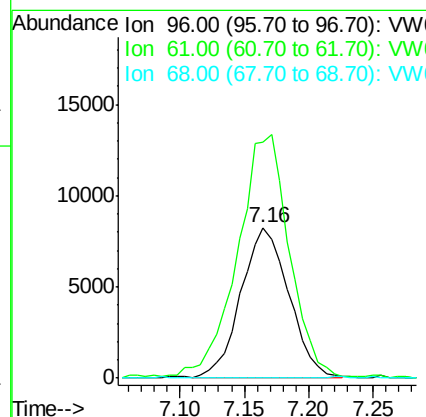
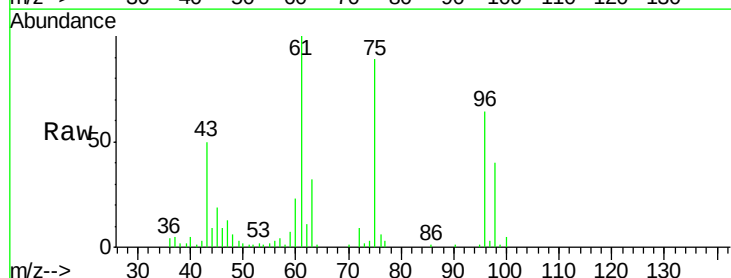
RT: 7.16 min Scan# 863

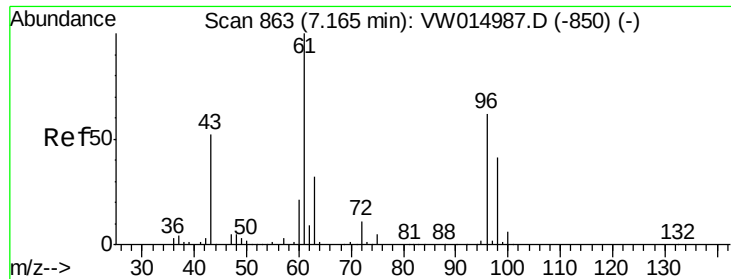
Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion:	96	Resp:	21317
Ion	Ratio	Lower	Upper
96	100		
61	156.9	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.801 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 18801

Ion Ratio Lower Upper

43 100

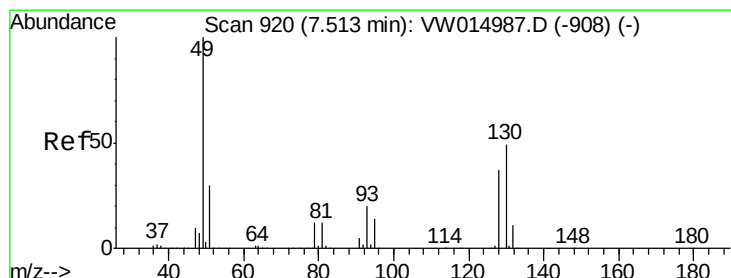
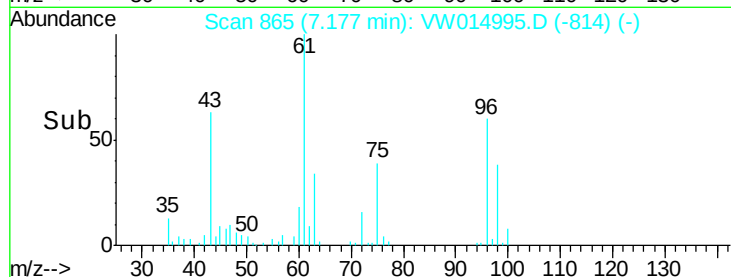
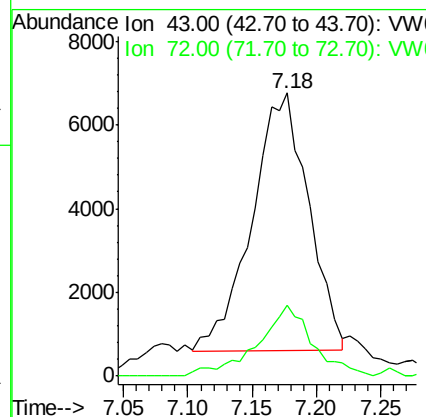
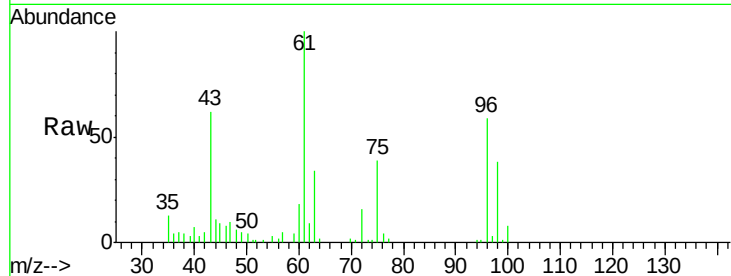
72 20.0 11.1 33.1

Manual Integrations

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#23

Bromochloromethane

Concen: 2.119 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion:128 Resp: 9355

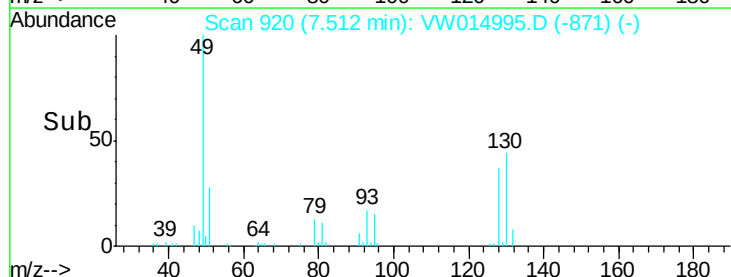
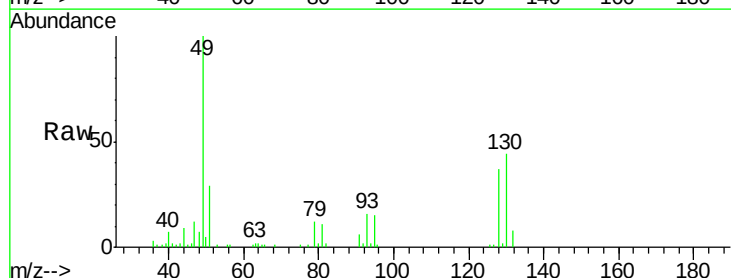
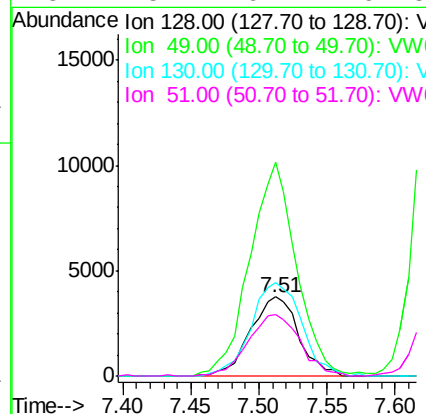
Ion Ratio Lower Upper

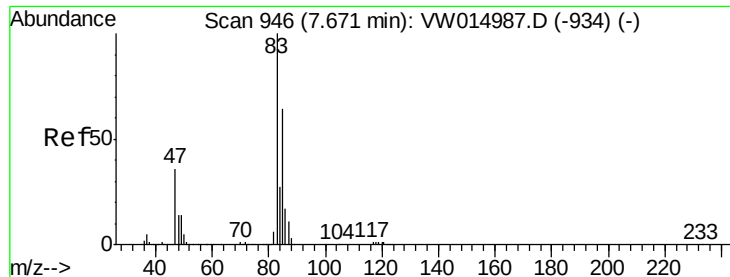
128 100

49 270.5 179.0 332.4

130 118.5 85.5 158.7

51 78.1 61.7 92.5





#25

Chloroform

Concen: 2.246 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 83 Resp: 47203

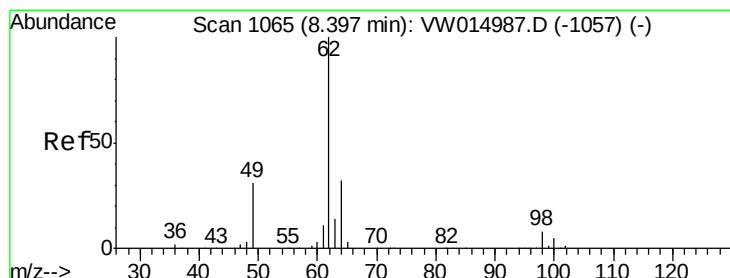
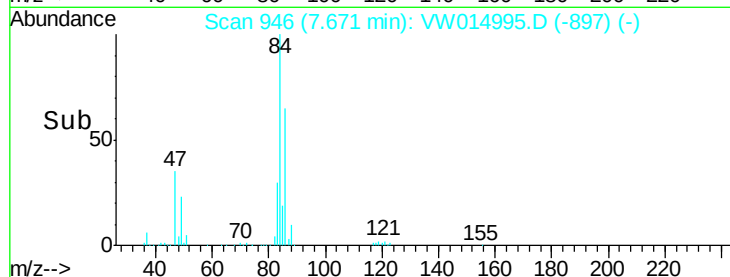
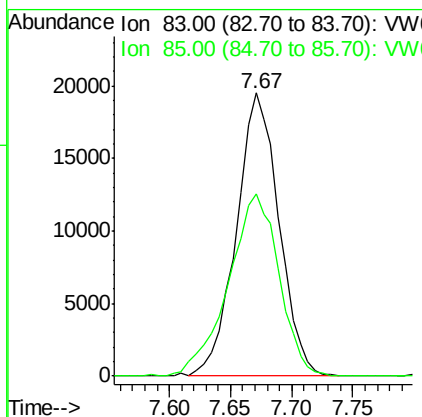
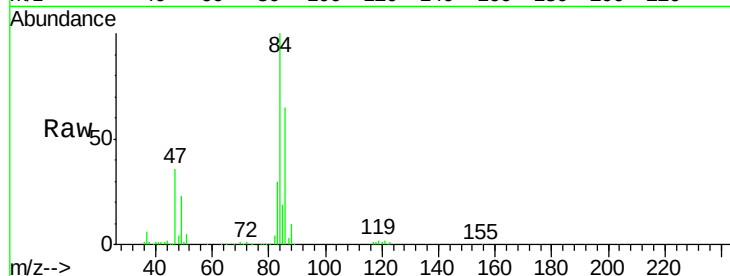
Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

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#27

1,2-Dichloroethane

Concen: 2.148 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW014995.D

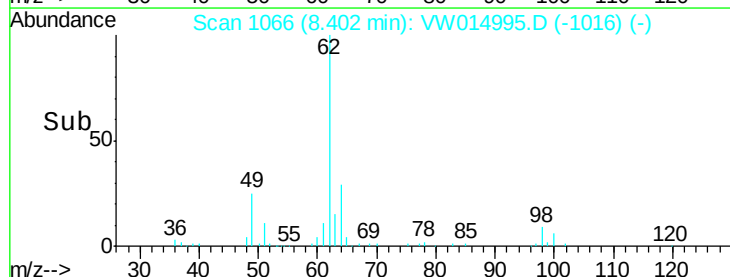
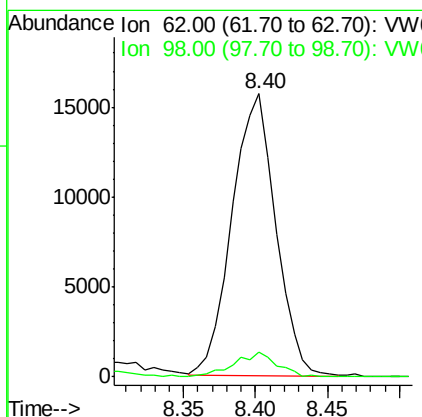
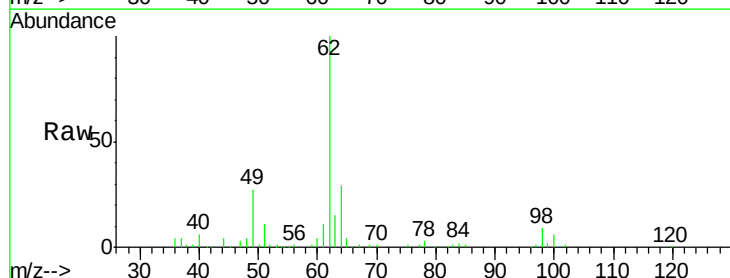
Acq: 14 Feb 2020 14:10

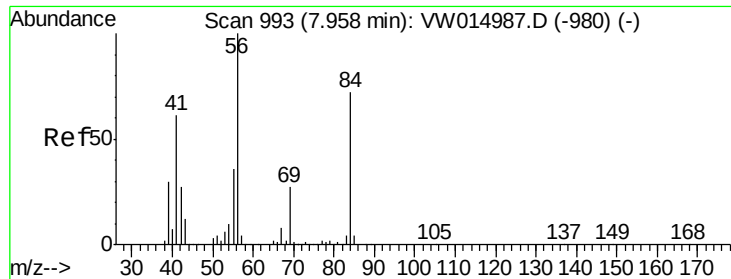
Tgt Ion: 62 Resp: 33166

Ion Ratio Lower Upper

62 100

98 8.8 6.2 9.4





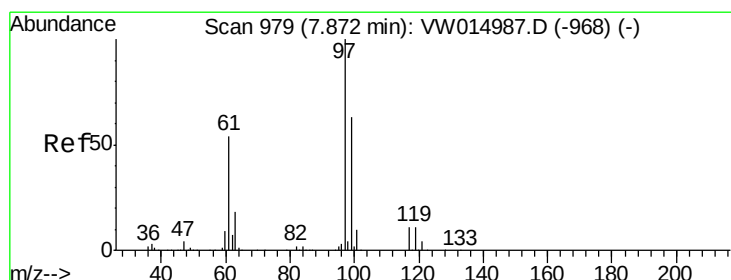
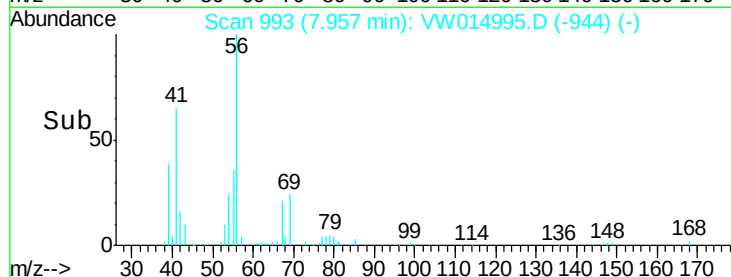
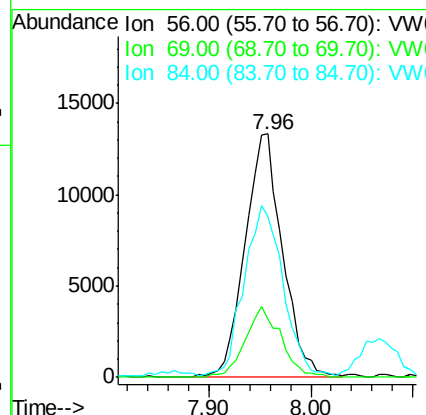
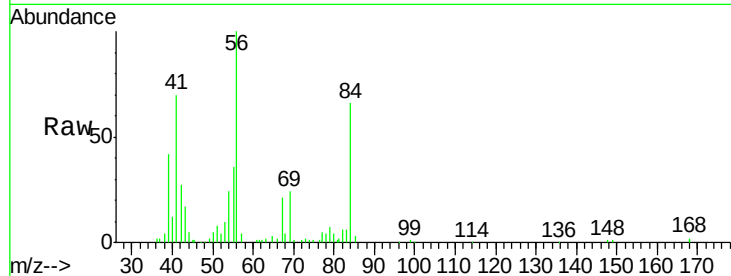
#29
Cyclohexane
Concen: 1.578 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.4	22.0	33.0
84	71.7	57.8	86.6

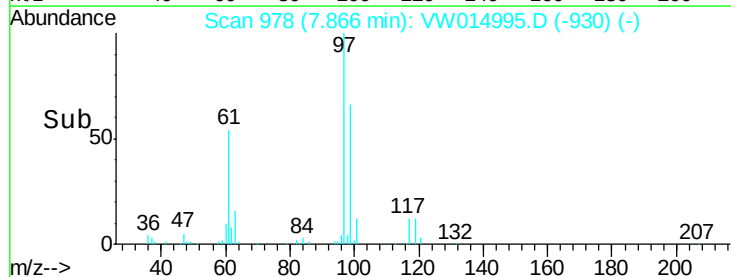
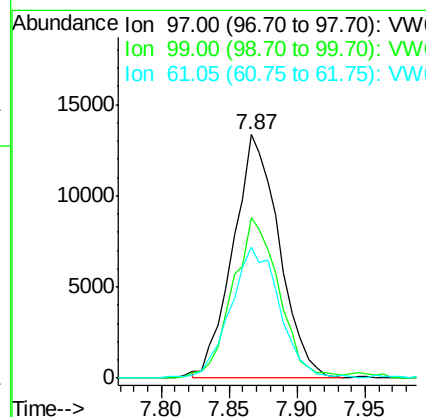
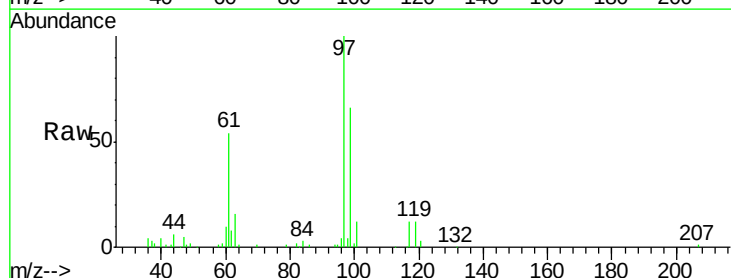
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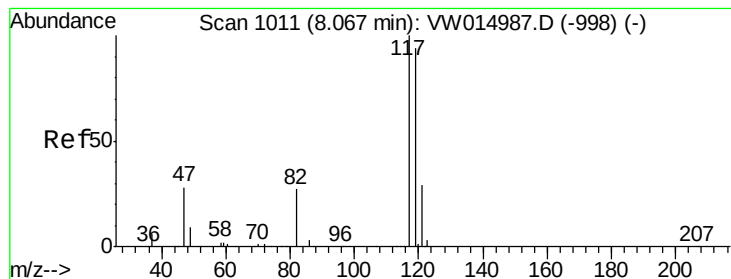
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.956 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.6	75.8
61	56.7	42.7	64.1





#31

Carbon tetrachloride

Concen: 1.960 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion:117 Resp: 28577

Ion Ratio Lower Upper

117 100

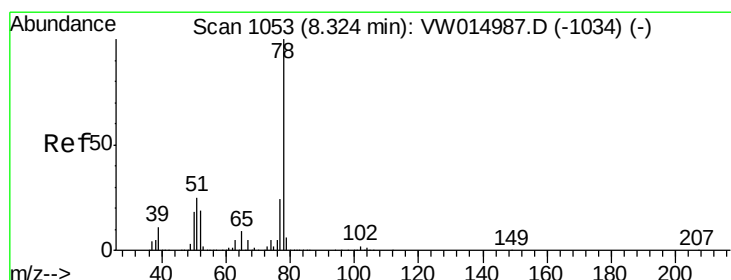
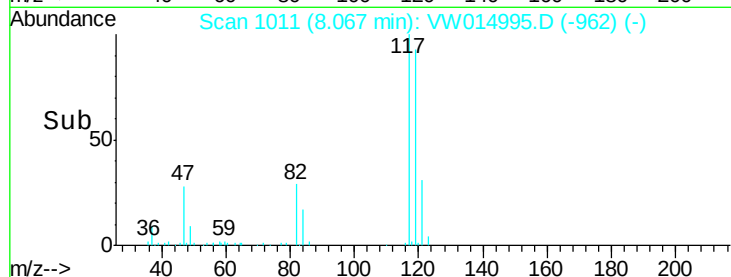
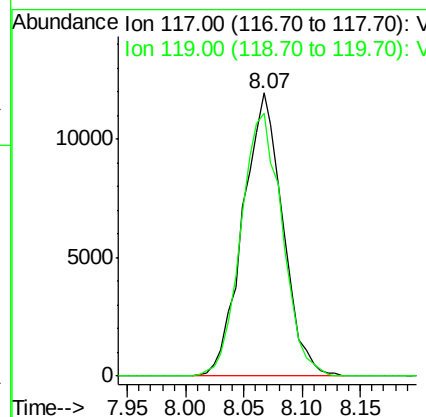
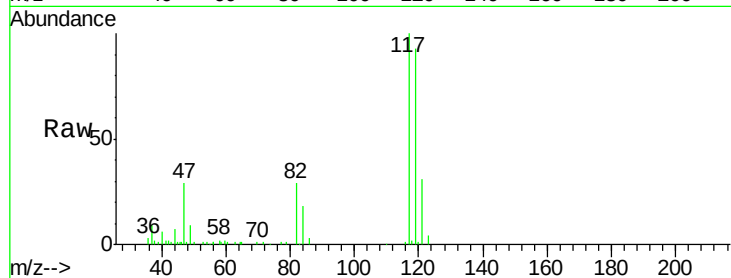
119 96.0 76.6 114.8

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#33

Benzene

Concen: 2.014 ug/L

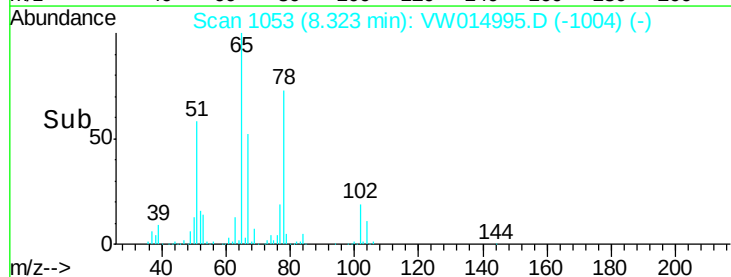
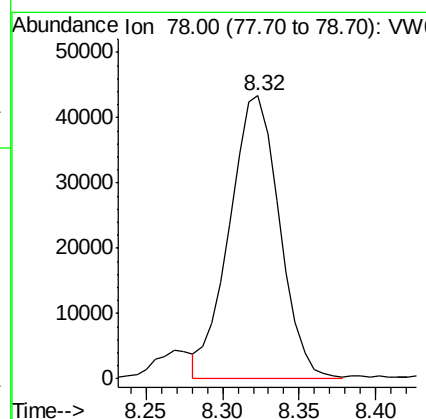
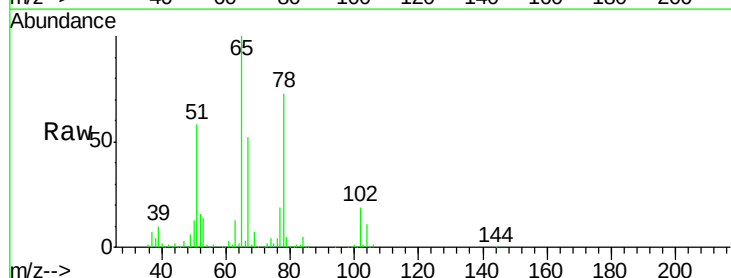
RT: 8.32 min Scan# 1053

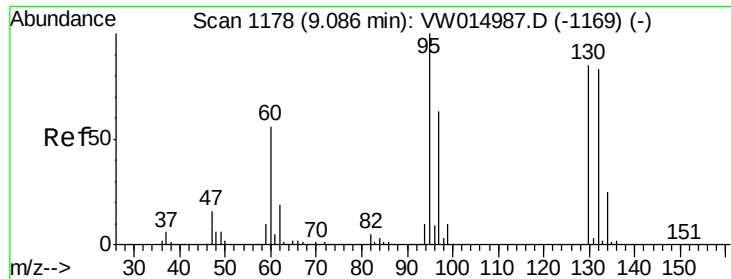
Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion: 78 Resp: 98329





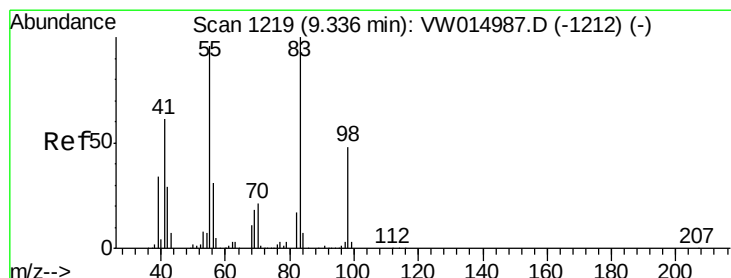
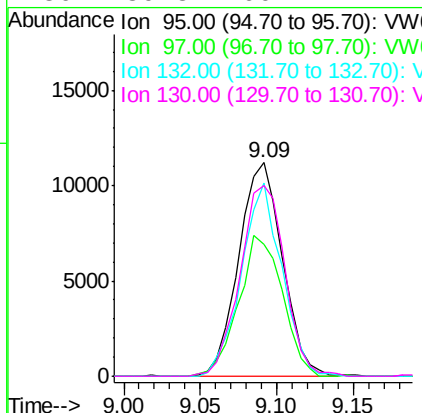
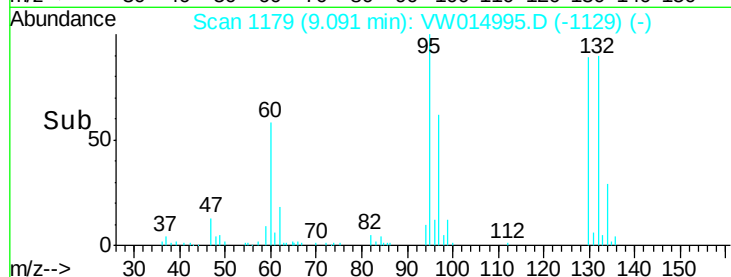
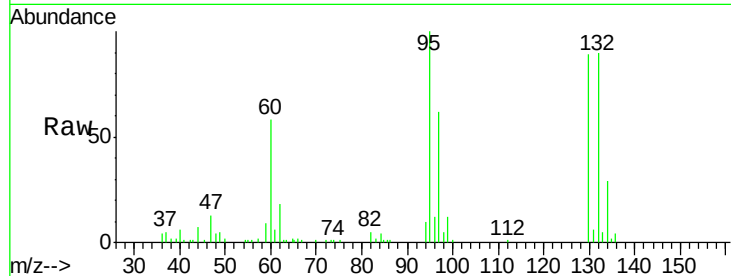
#34
 Trichloroethene
 Concen: 1.912 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion	Ratio	Resp	Lower	Upper
95	100	22358		
97	61.6		44.2	82.0
132	90.2		56.1	104.3
130	89.3		60.1	111.7

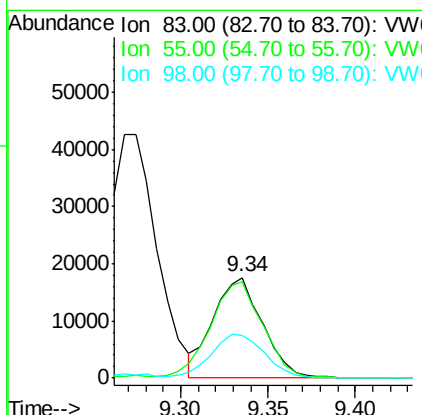
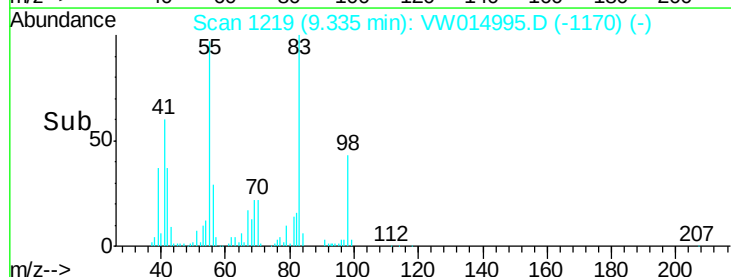
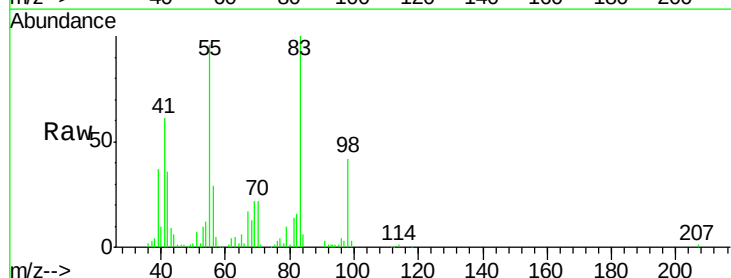
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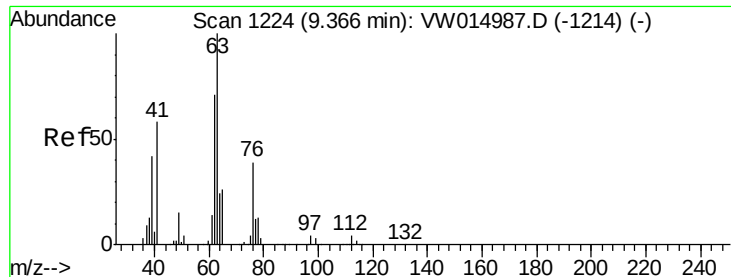
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#35
 Methylcyclohexane
 Concen: 1.703 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	34336		
55	102.5		76.3	114.5
98	47.7		36.4	54.6





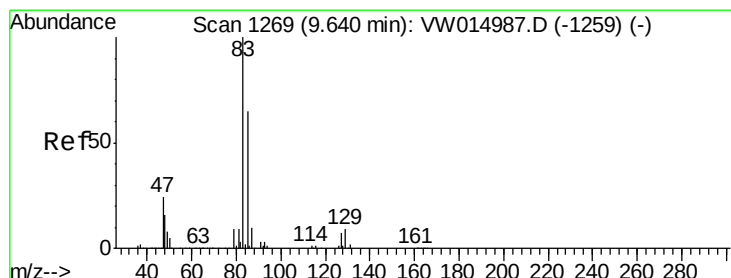
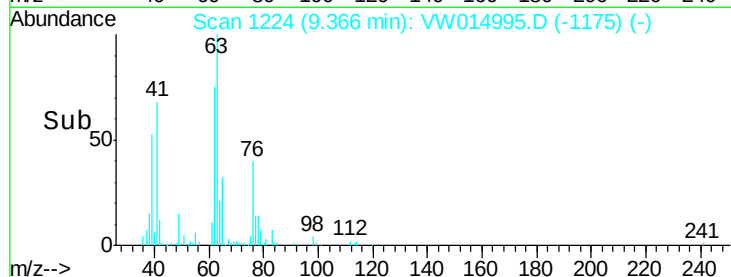
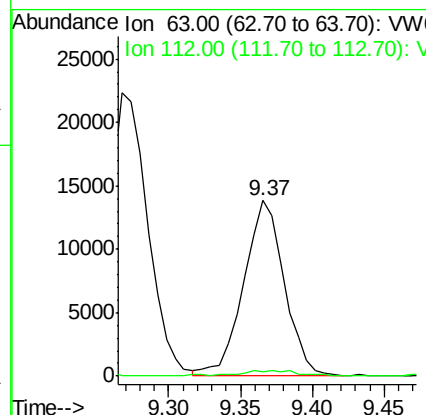
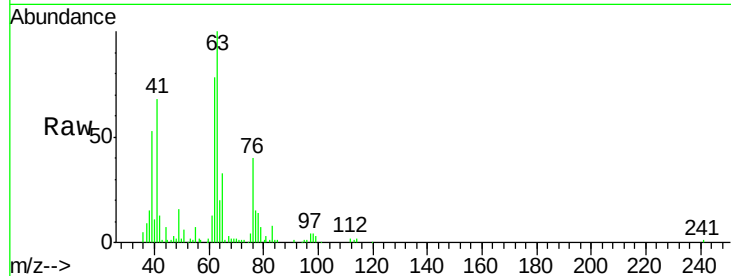
#37
 1,2-Dichloropropane
 Concen: 1.986 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 27085
 Ion Ratio Lower Upper
 63 100
 112 1.8 2.6 4.0#

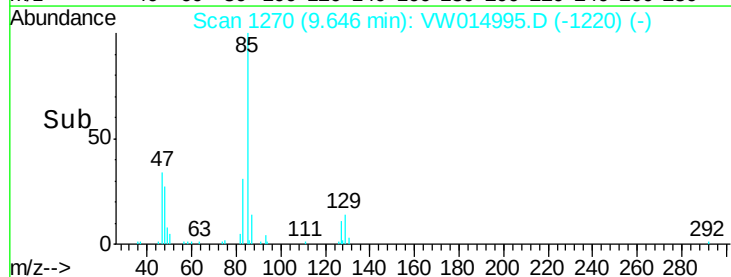
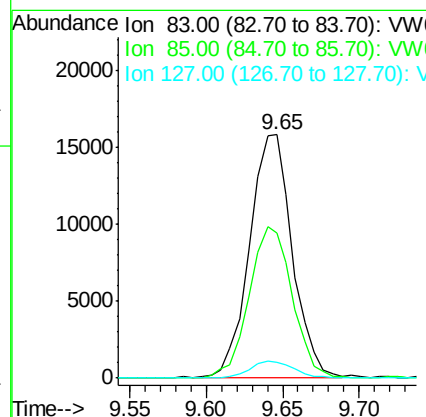
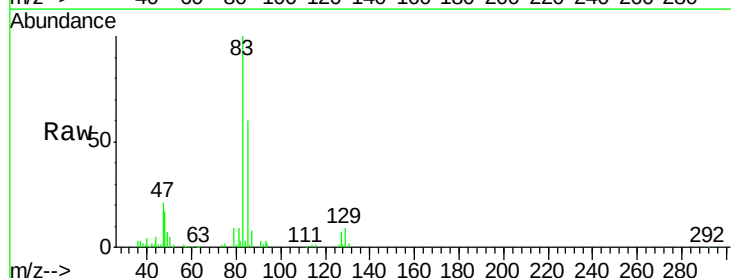
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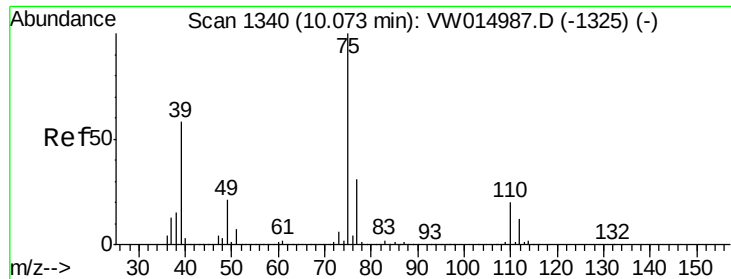
MMDadoda
 2/17/2020 3:46:35 PM



#38
 Bromodichloromethane
 Concen: 2.002 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 83 Resp: 30735
 Ion Ratio Lower Upper
 83 100
 85 59.8 45.2 84.0
 127 6.6 5.5 8.3





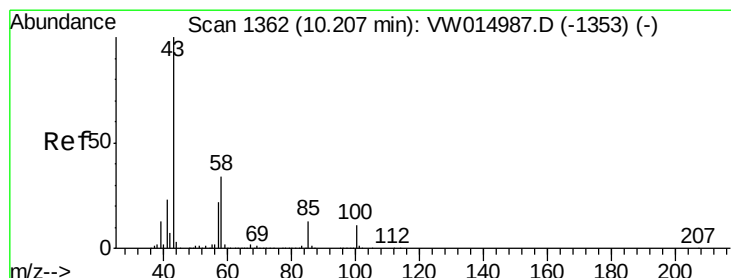
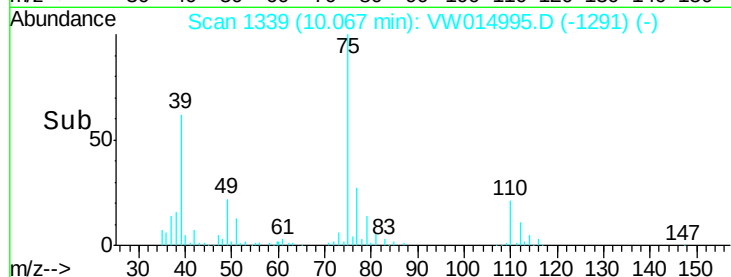
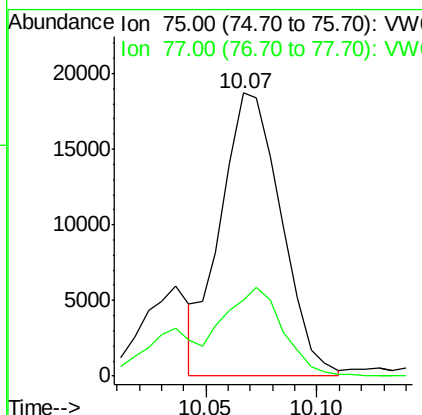
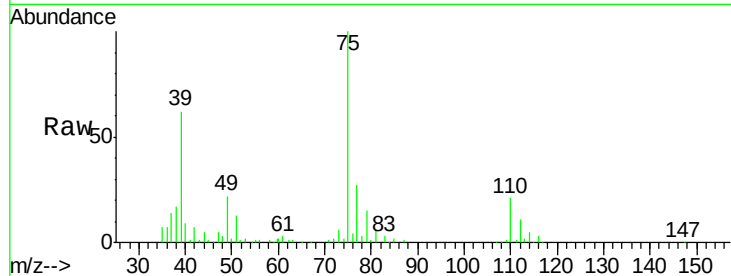
#39
 cis-1,3-Dichloropropene
 Concen: 1.943 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 35454
 Ion Ratio Lower Upper
 75 100
 77 26.7 21.6 40.2

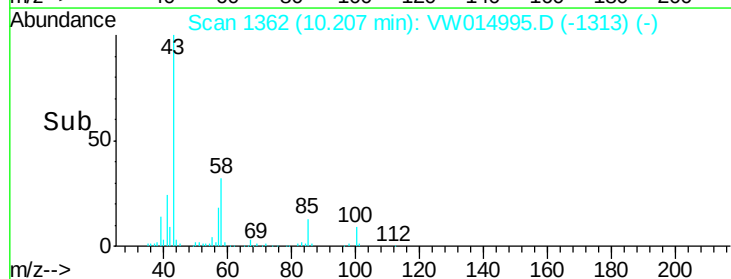
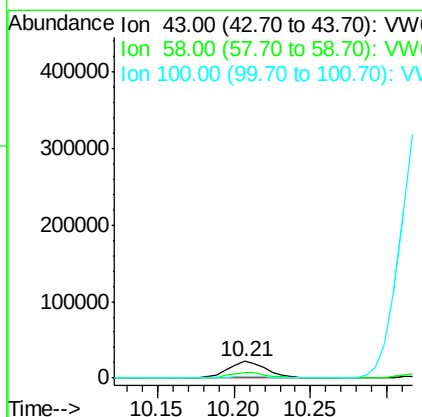
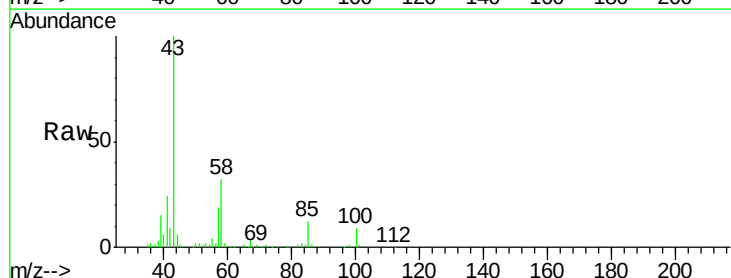
Manual Integrations
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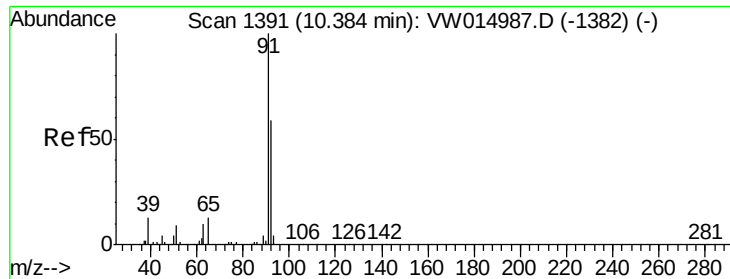
MMDadoda
 2/17/2020 3:46:35 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.850 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 43 Resp: 37378
 Ion Ratio Lower Upper
 43 100
 58 35.1 27.7 41.5
 100 10.9 8.6 13.0





#42

Toluene

Concen: 2.027 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 95606

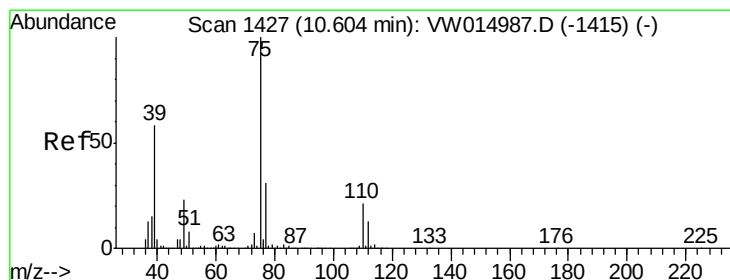
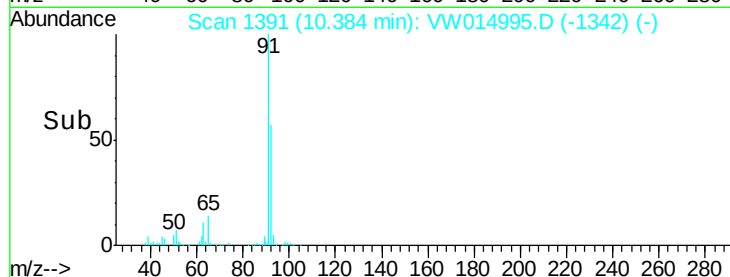
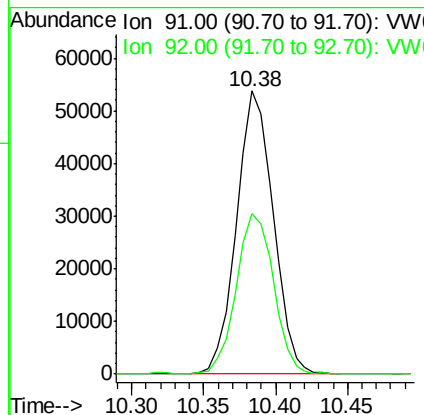
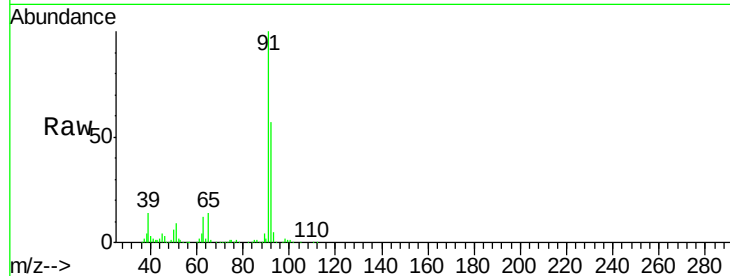
Ion Ratio Lower Upper

91 100

92 56.8 39.5 73.3

Manual Integrations
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#44

trans-1,3-Dichloropropene

Concen: 1.987 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014995.D

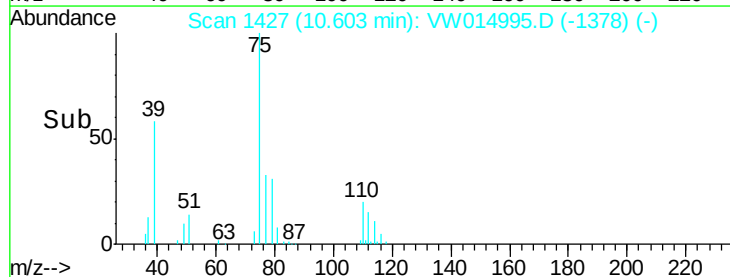
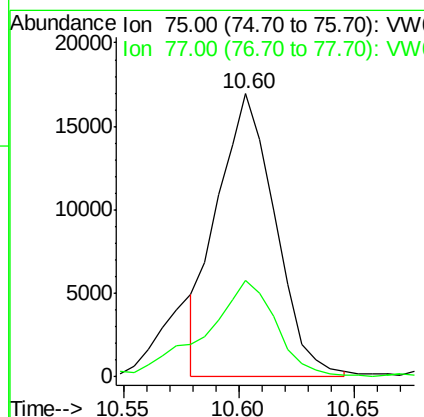
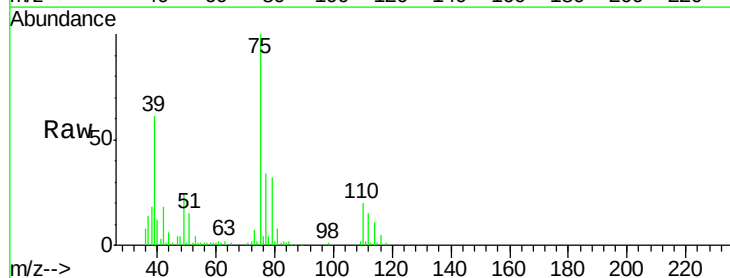
Acq: 14 Feb 2020 14:10

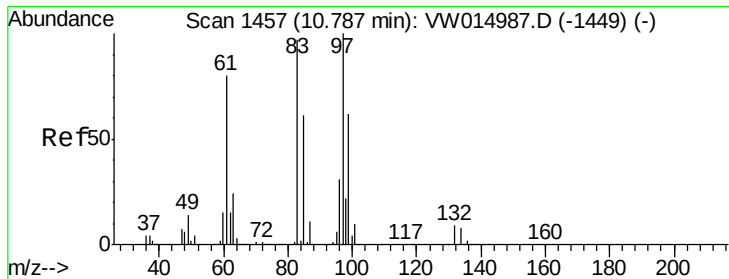
Tgt Ion: 75 Resp: 30068

Ion Ratio Lower Upper

75 100

77 34.3 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 2.103 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

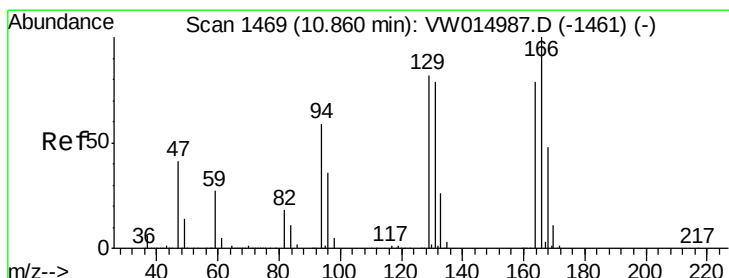
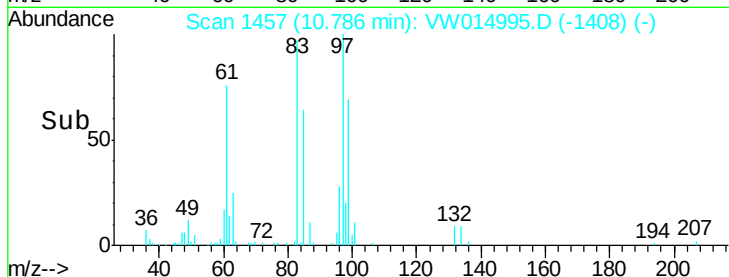
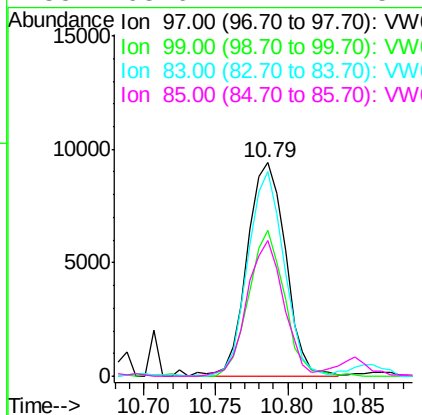
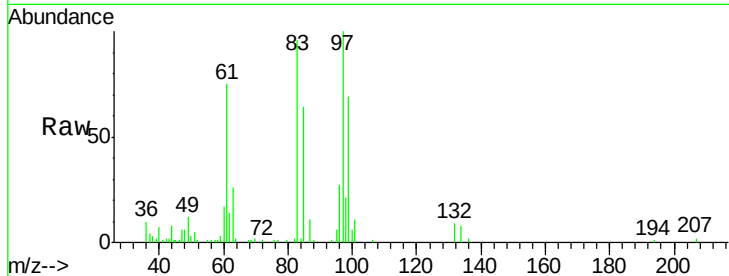
ClientSampled :

MDL05

Tot Ion	97	Resp	17392
Ion	Ratio	Lower	Upper
97	100		
99	68.6	44.2	82.0
83	95.9	64.1	119.1
85	63.6	42.1	78.1

Manual Integrations
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#46

Tetrachloroethene

Concen: 1.973 ug/L

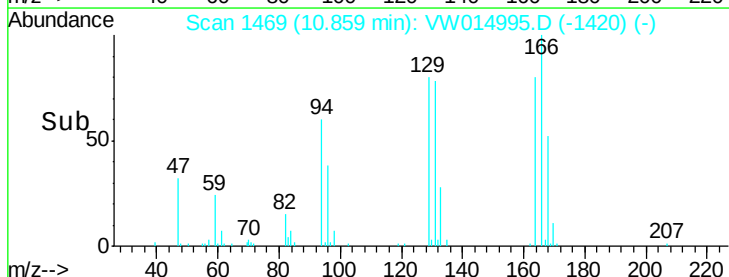
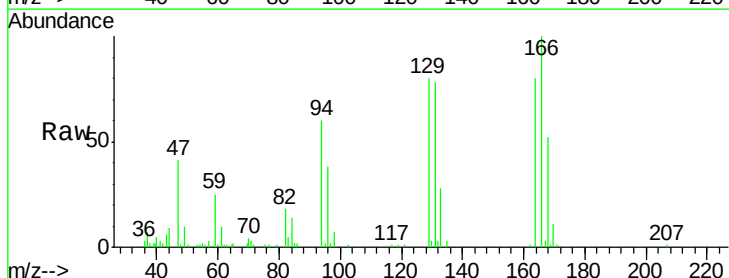
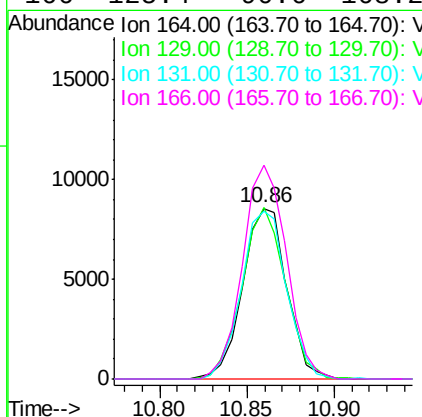
RT: 10.86 min Scan# 1469

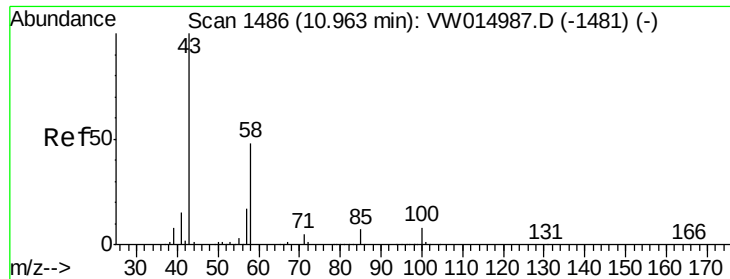
Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion	164	Resp	14984
Ion	Ratio	Lower	Upper
164	100		
129	100.9	72.2	134.2
131	98.2	68.1	126.5
166	125.4	90.6	168.2





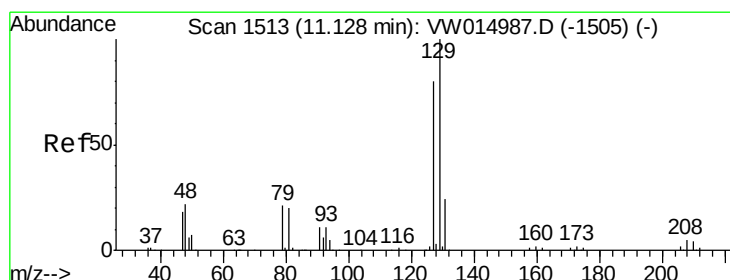
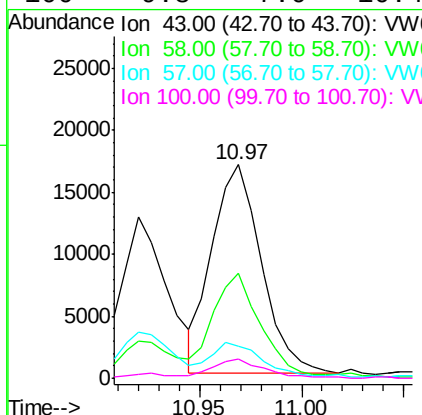
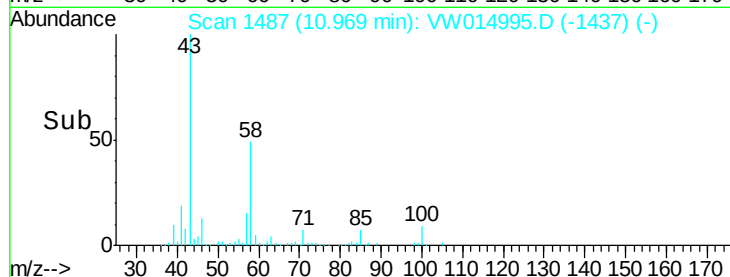
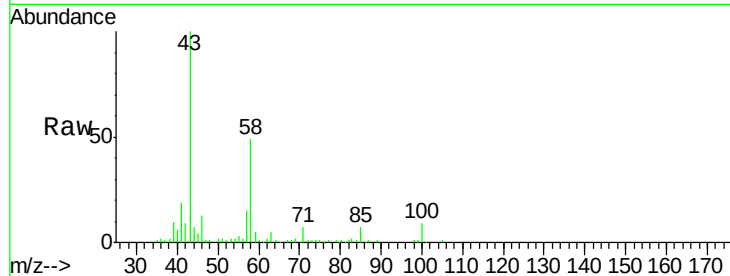
#48
2-Hexanone
Concen: 4.018 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.2	58.8
57	18.3	13.1	19.7
100	9.8	7.0	10.4

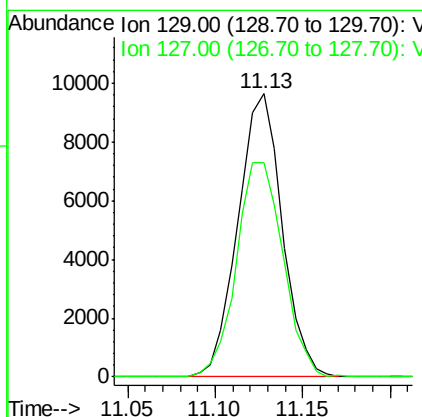
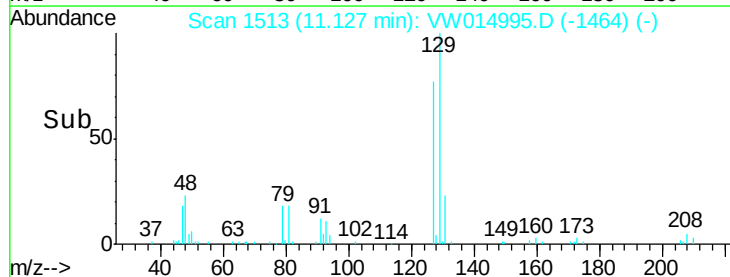
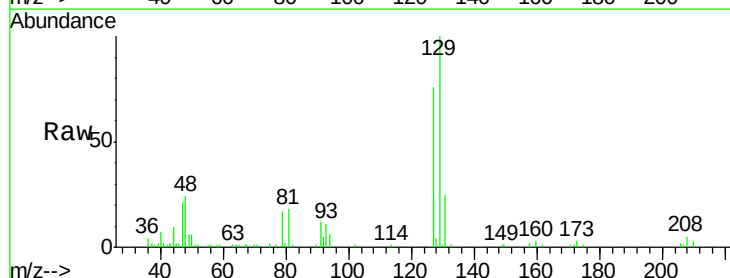
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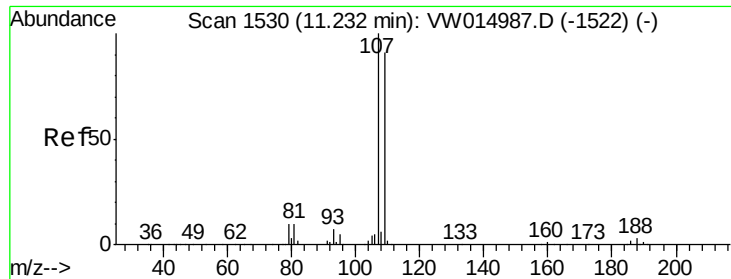
MMDadoda
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#49
Dibromochloromethane
Concen: 1.972 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.0	98.4





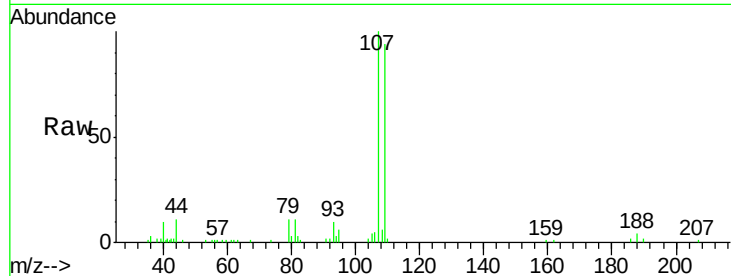
#50
1,2-Dibromoethane
Concen: 2.068 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.1	120.9
188	4.3	2.4	3.6

Manual Integrations
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MMDadoda
2/17/2020 3:46:35 PM

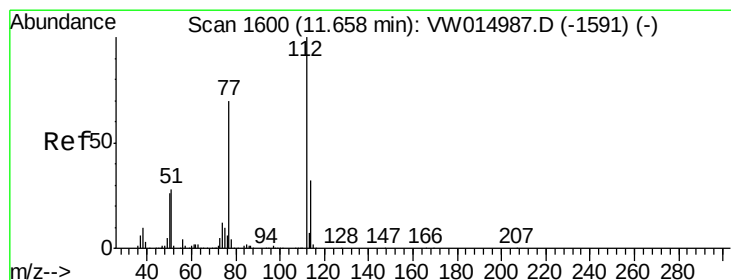
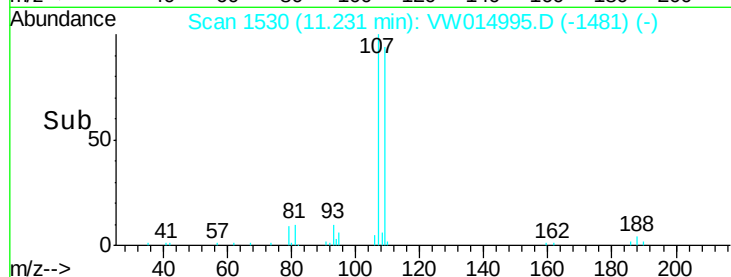
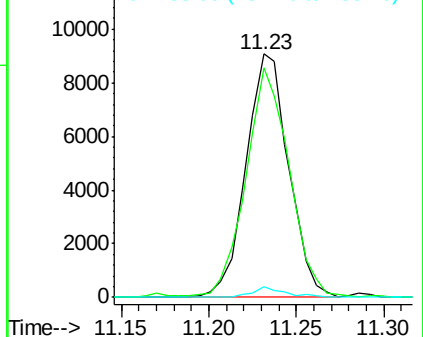


Abundance

Ion 107.00 (106.70 to 107.70): V

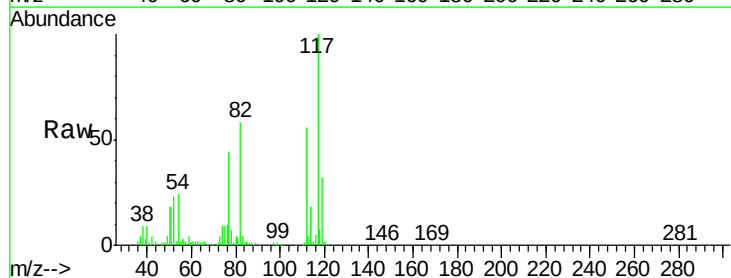
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 1.978 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.6	42.0
77	78.8	54.6	82.0

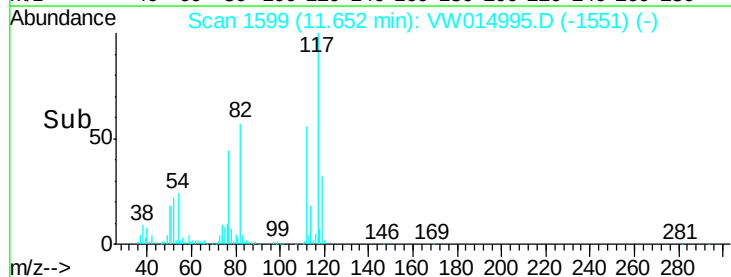
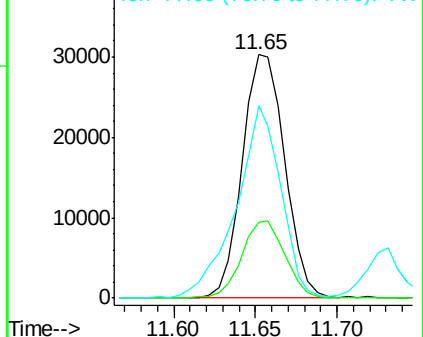


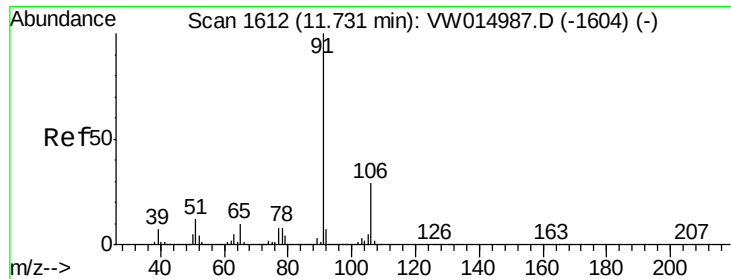
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





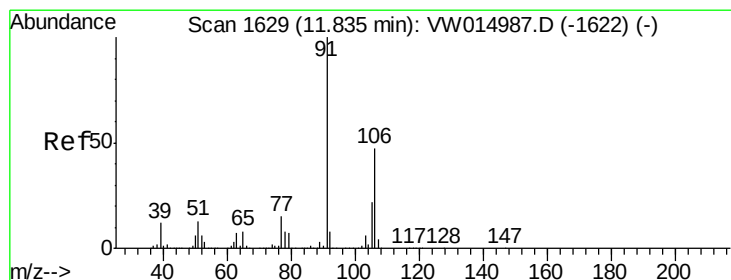
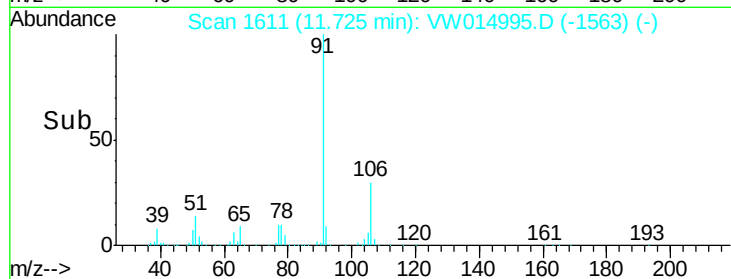
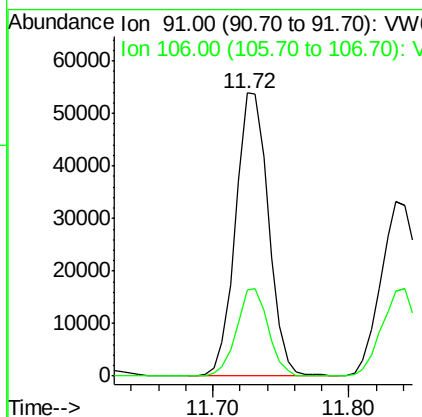
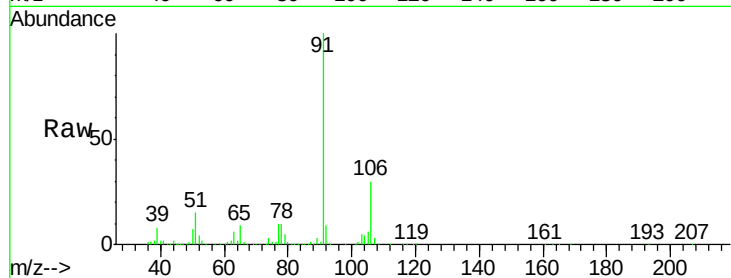
#52
Ethylbenzene
Concen: 1.776 ug/L
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion: 91 Resp: 91241
Ion Ratio Lower Upper
91 100
106 30.3 20.2 37.4

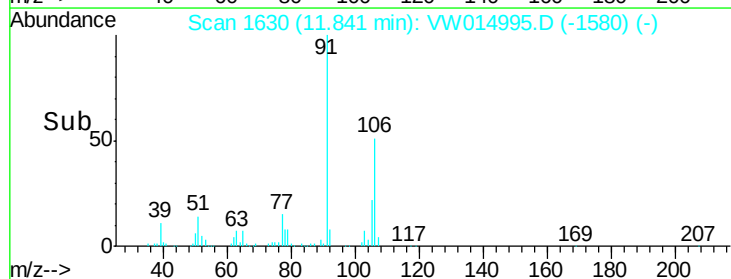
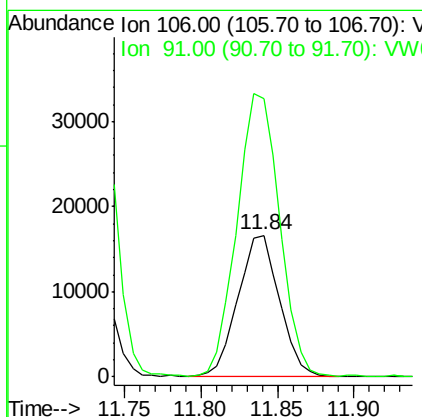
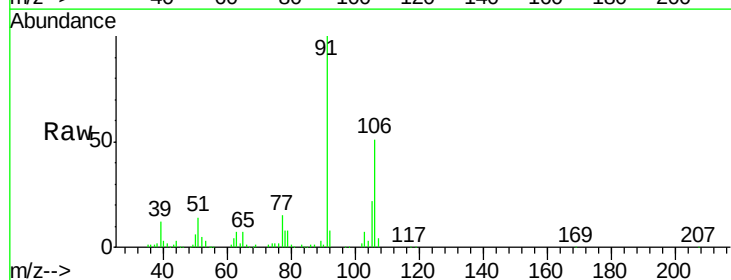
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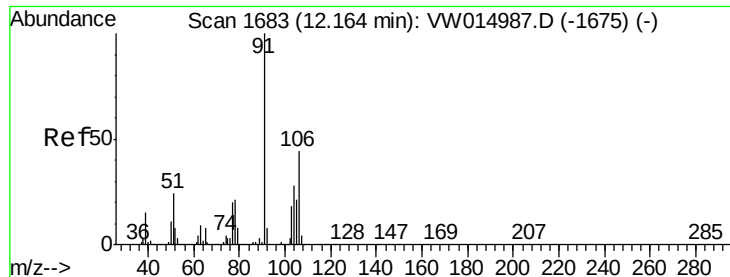
MMDadoda
2/17/2020 3:46:35 PM



#53
m,p-Xylene
Concen: 1.746 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion: 106 Resp: 31472
Ion Ratio Lower Upper
106 100
91 195.7 149.2 277.2





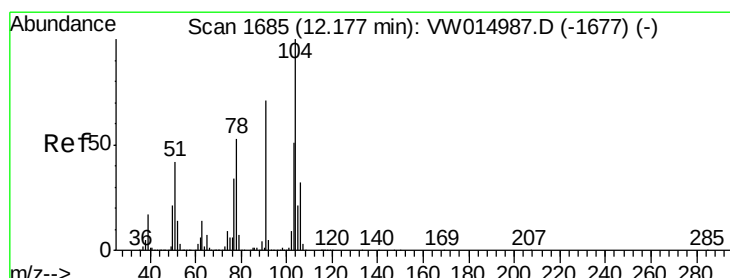
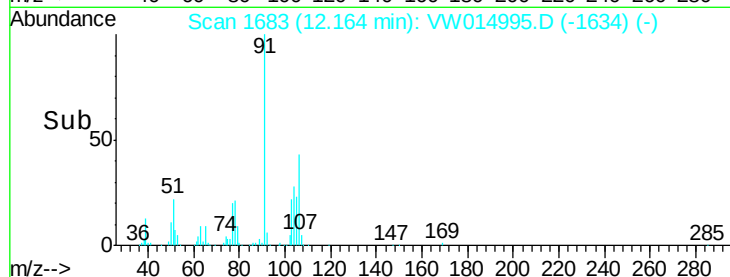
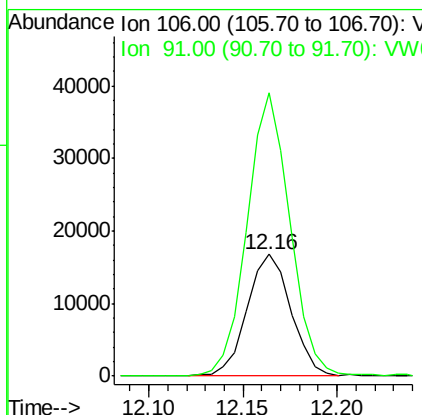
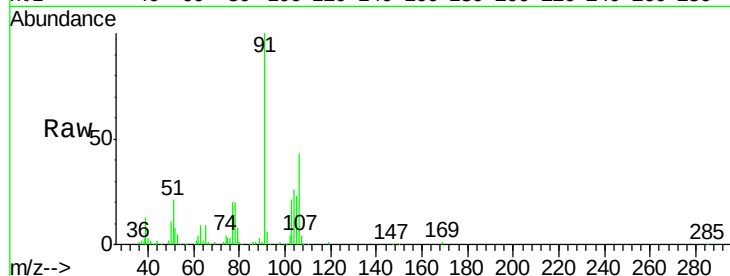
#54
o-Xylene
Concen: 1.604 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion:106 Resp: 27164
Ion Ratio Lower Upper
106 100
91 232.4 163.7 304.1

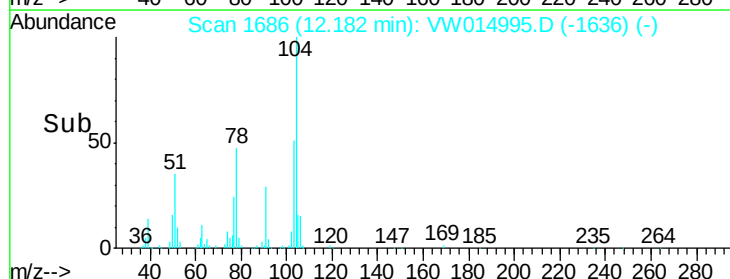
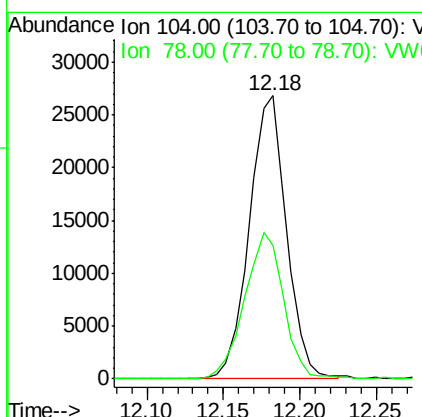
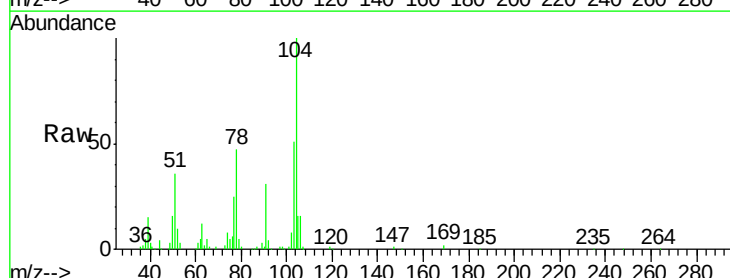
Manual Integrations
APPROVED

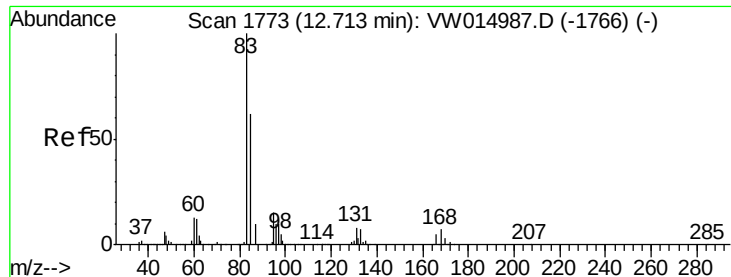
MMDadoda
2/17/2020 3:46:35 PM



#55
Styrene
Concen: 1.551 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion:104 Resp: 45265
Ion Ratio Lower Upper
104 100
78 47.2 36.8 68.4





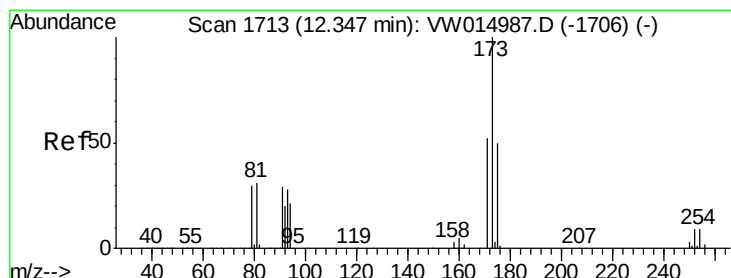
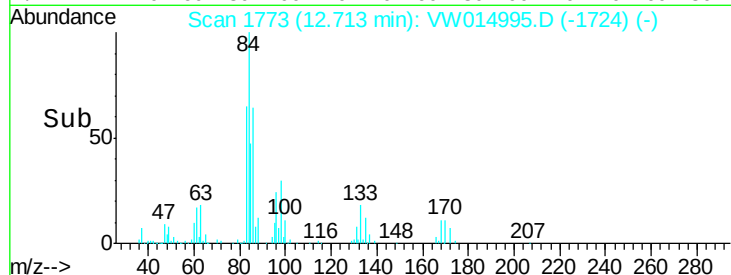
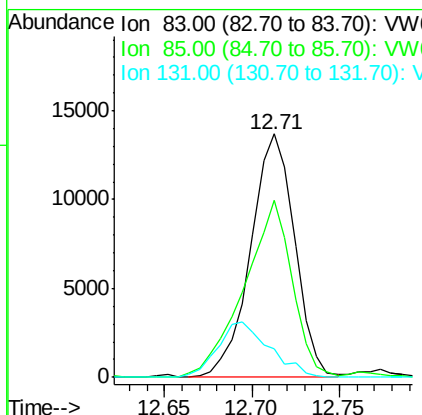
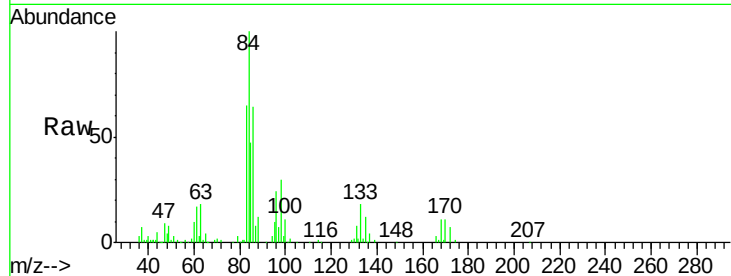
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.168 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
83	100		
85	72.8	44.9	83.5
131	11.8	6.2	9.2#

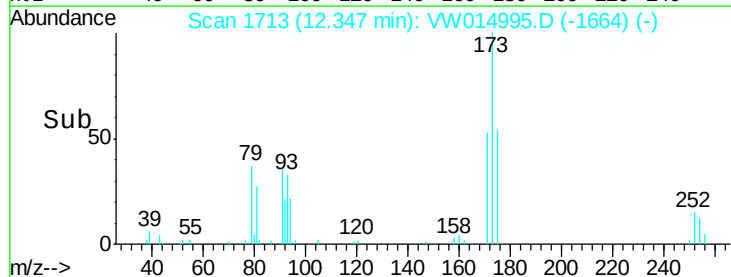
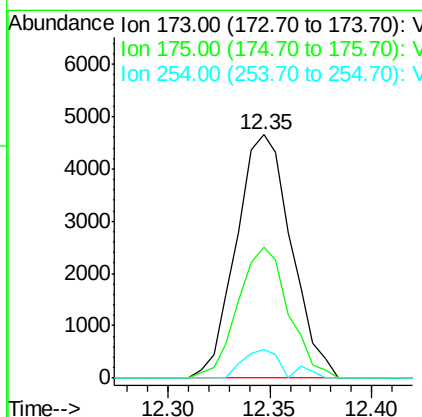
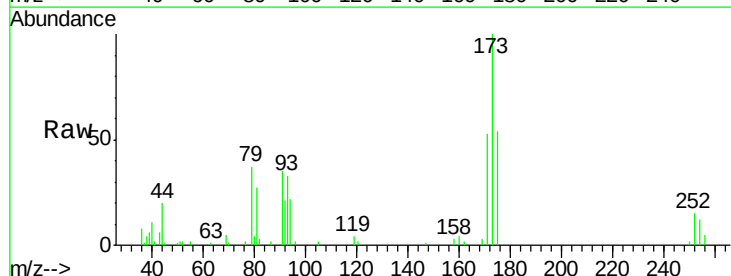
Manual Integrations
 APPROVED

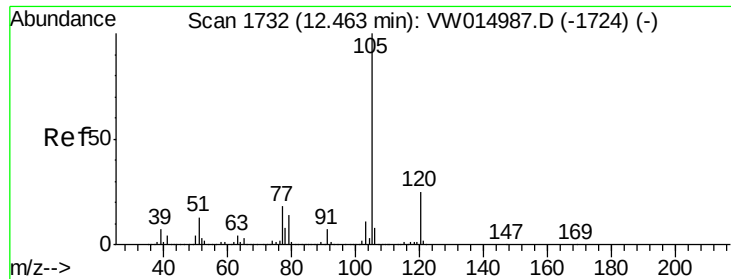
MMDadoda
 2/17/2020 3:46:35 PM



#59
 Bromoform
 Concen: 2.108 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.0	58.4
254	7.2	7.1	10.7





#60

Isopropylbenzene

Concen: 1.658 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

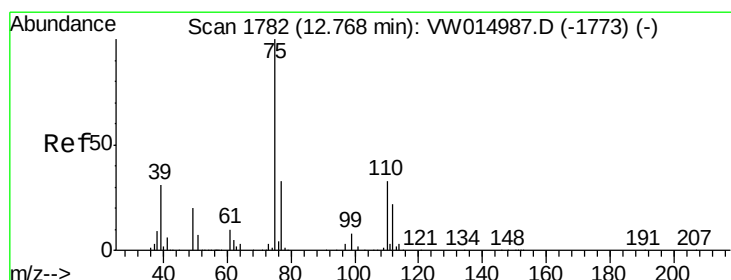
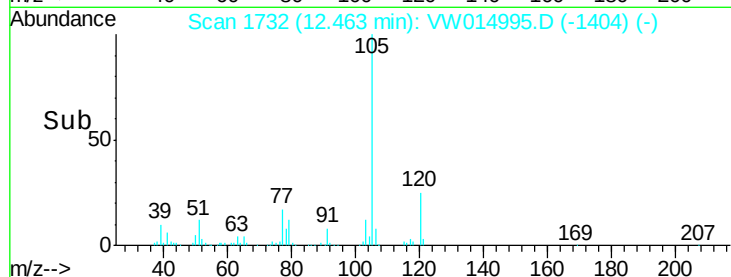
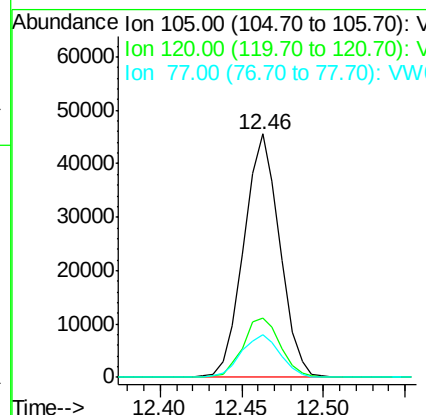
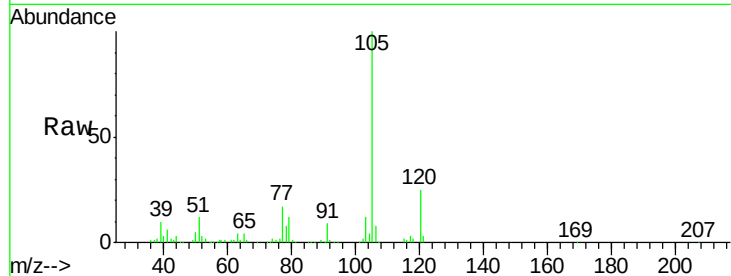
ClientSampled :

MDL05

Tot Ion:	105	Resp:	70267
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.1	30.1
77	18.9	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 2.263 ug/L

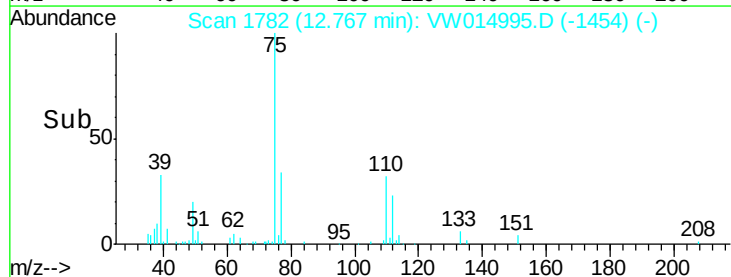
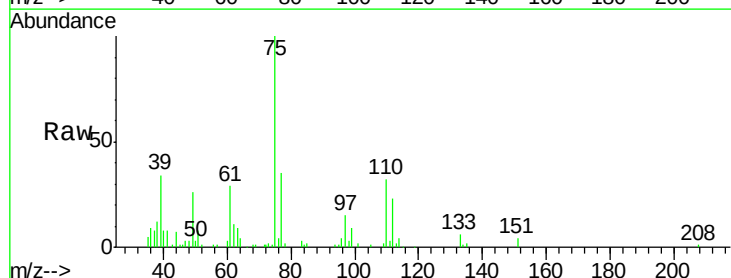
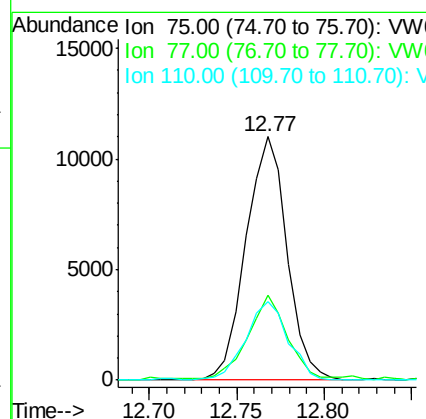
RT: 12.77 min Scan# 1782

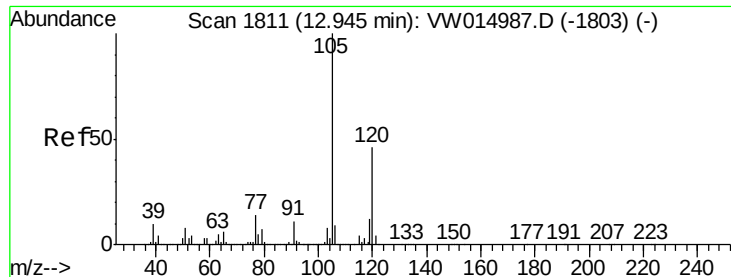
Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion:	75	Resp:	17950
Ion Ratio	Lower	Upper	
75	100		
77	33.9	25.8	38.6
110	33.3	26.6	39.8





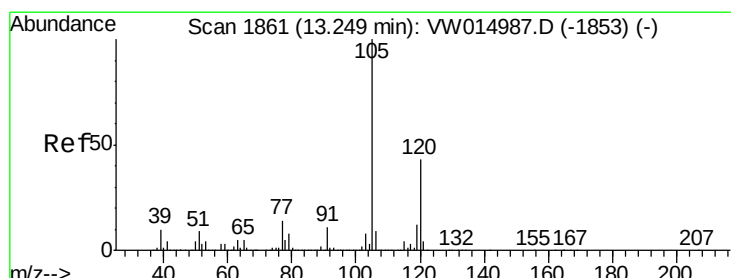
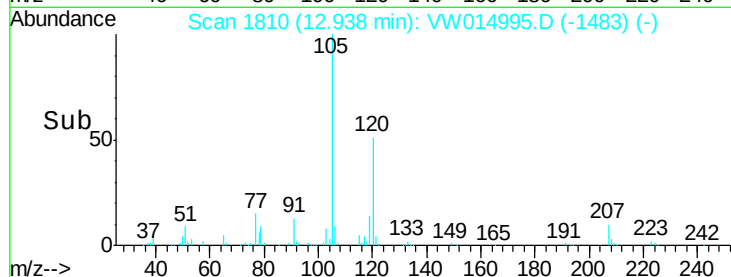
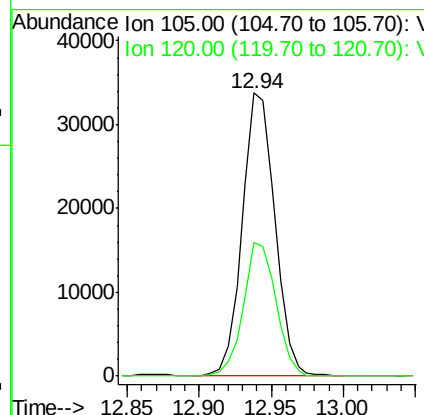
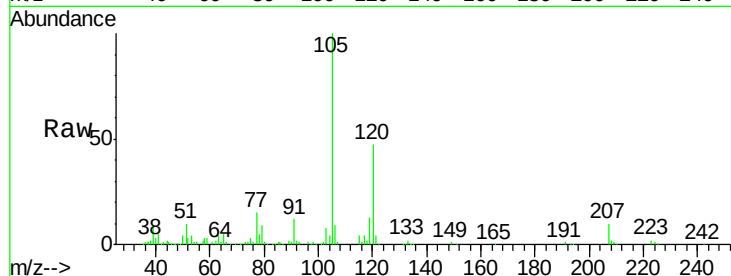
#62
 1,3,5-Trimethylbenzene
 Concen: 1.572 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.4	56.0

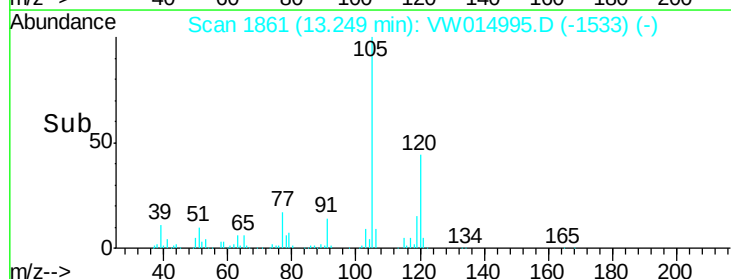
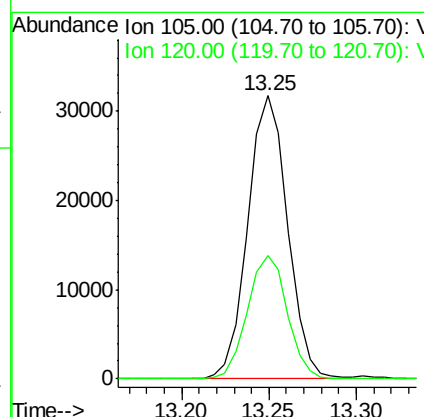
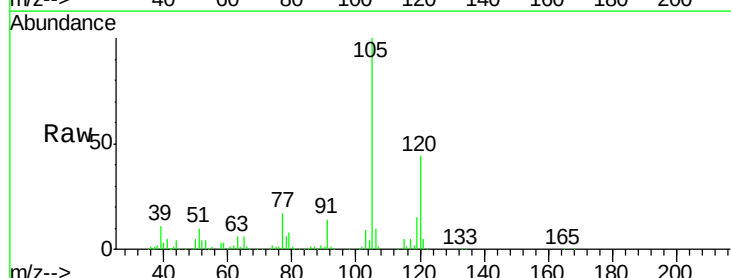
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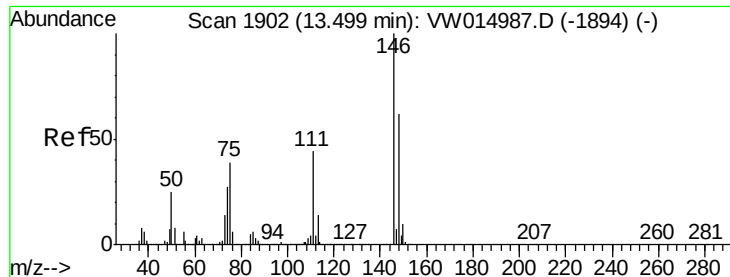
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.519 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.0	52.4





#64

1,3-Dichlorobenzene

Concen: 1.990 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

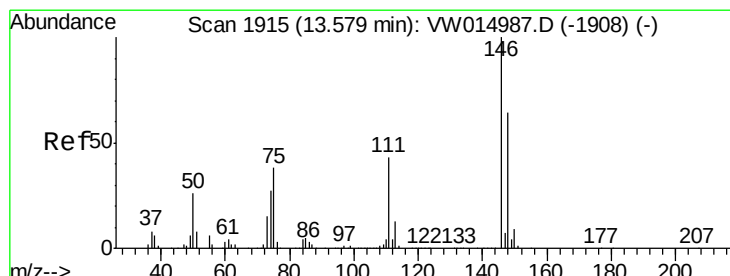
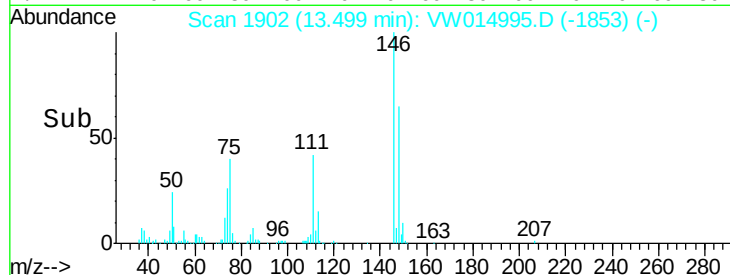
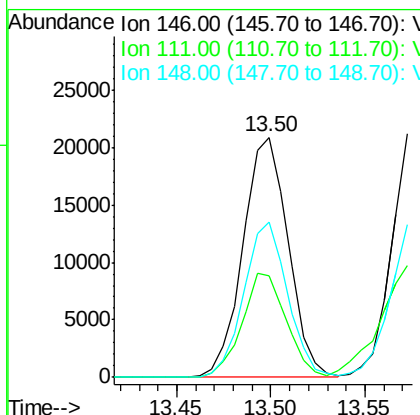
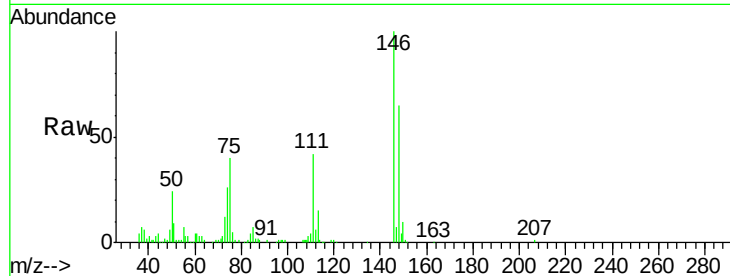
ClientSampleId :

MDL05

Tot Ion:	146	Resp:	34756
Ion	Ratio	Lower	Upper
146	100		
111	42.3	30.2	56.0
148	64.5	44.2	82.2

Manual Integrations
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#65

1,4-Dichlorobenzene

Concen: 2.082 ug/L

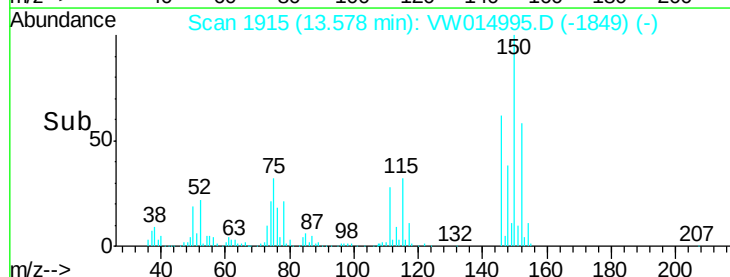
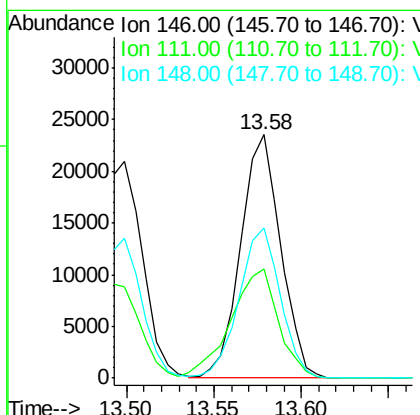
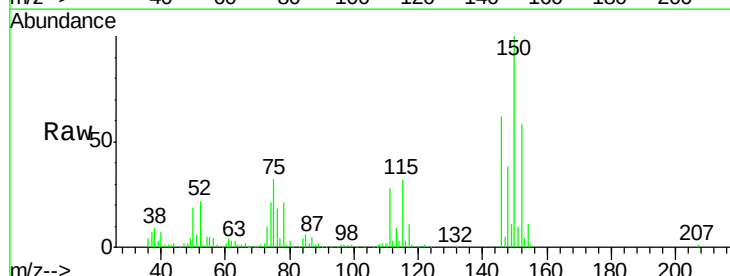
RT: 13.58 min Scan# 1915

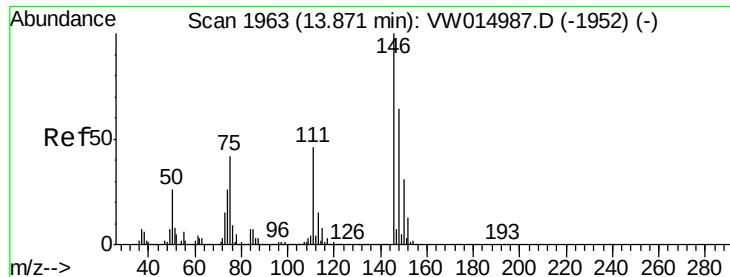
Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion:	146	Resp:	37484
Ion	Ratio	Lower	Upper
146	100		
111	44.9	29.5	54.9
148	61.5	43.8	81.3





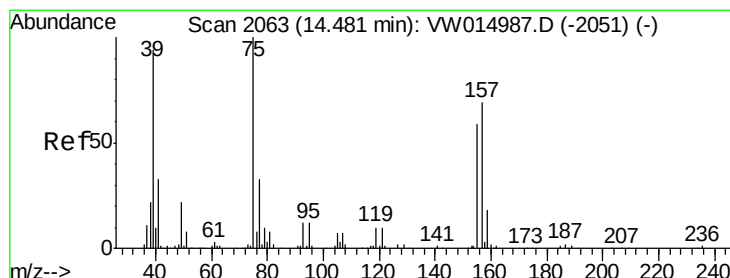
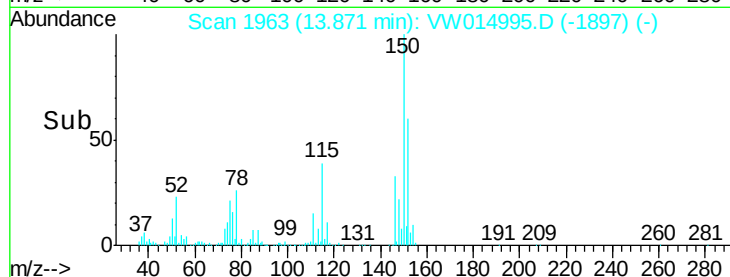
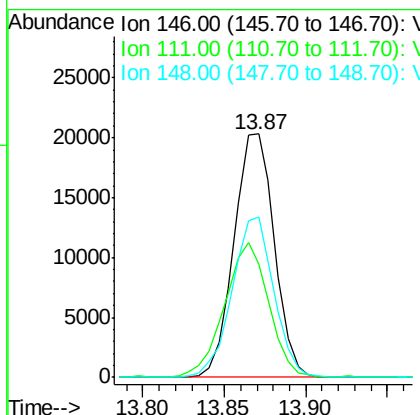
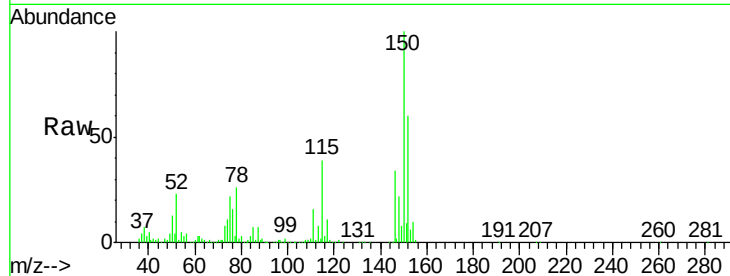
#67
 1,2-Dichlorobenzene
 Concen: 2.166 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	38.0	57.0
148	65.6	49.5	74.3

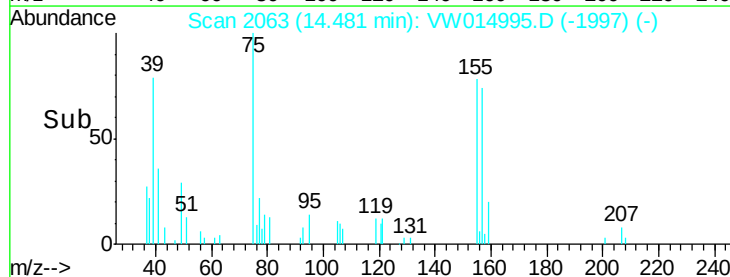
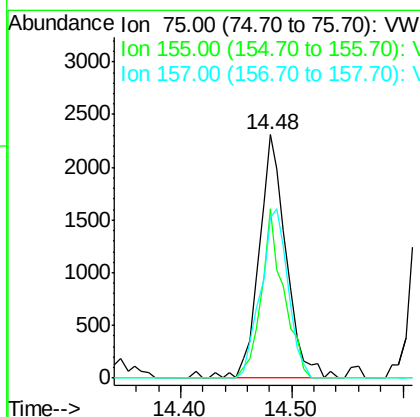
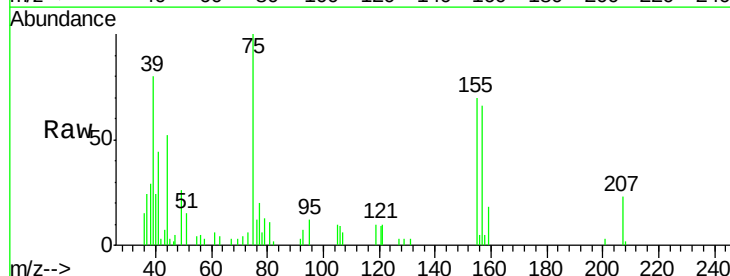
Manual Integrations
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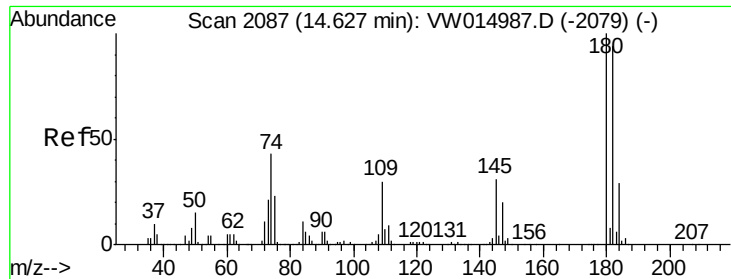
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.370 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.7	48.0	72.0
157	70.9	59.4	89.0





#69

1,3,5-Trichlorobenzene

Concen: 1.923 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

MDL05

Tot Ion:180 Resp: 22509

Ion Ratio Lower Upper

180 100

182 90.7 76.5 114.7

184 30.4 24.2 36.2

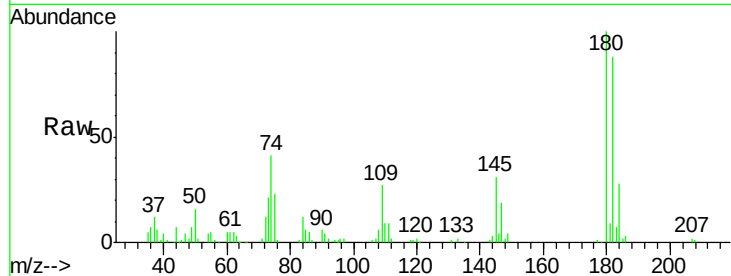
145 31.4 25.0 37.6

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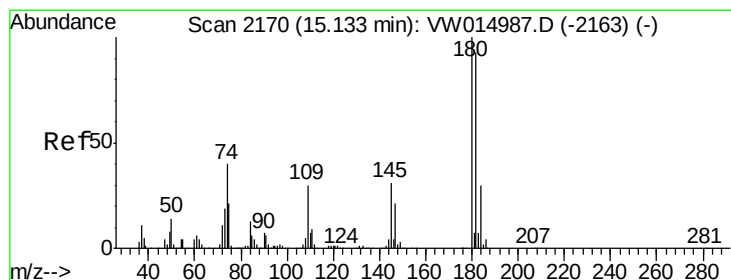
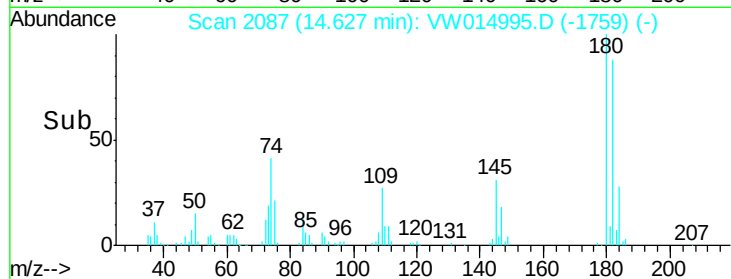
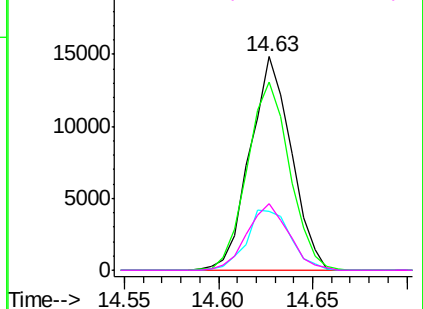


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70

1,2,4-trichlorobenzene

Concen: 1.678 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

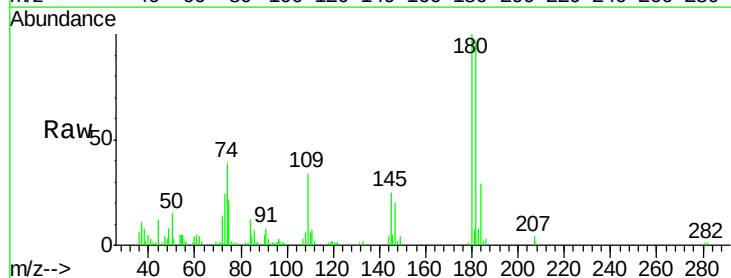
Tgt Ion:180 Resp: 14722

Ion Ratio Lower Upper

180 100

182 97.4 76.2 114.4

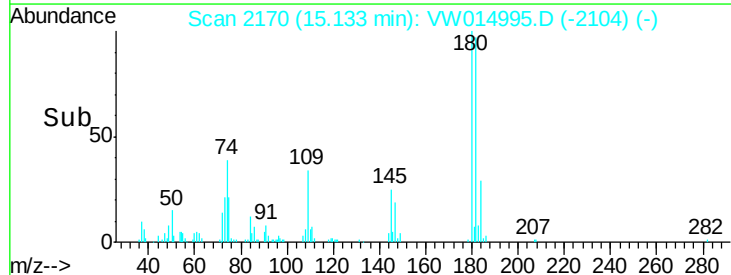
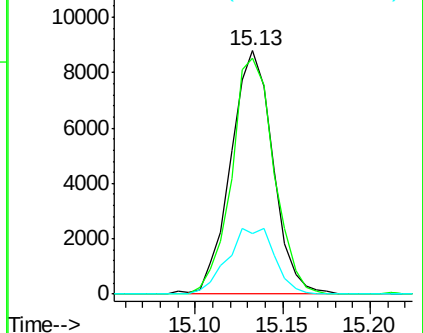
145 30.2 26.2 39.4

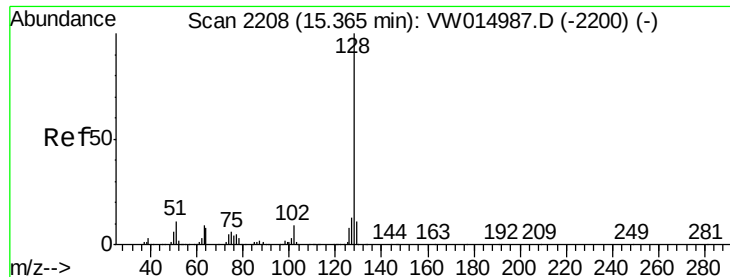


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





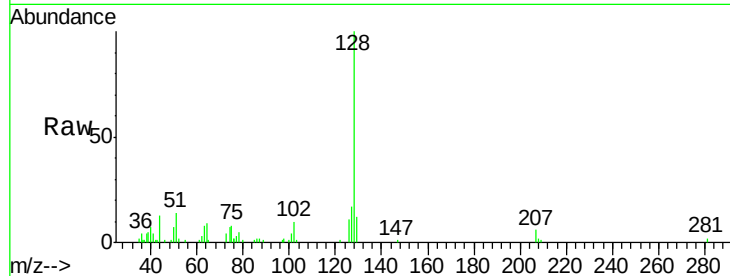
#71
Naphthalene
Concen: 1.442 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.5	15.7#
129	10.3	8.6	12.8

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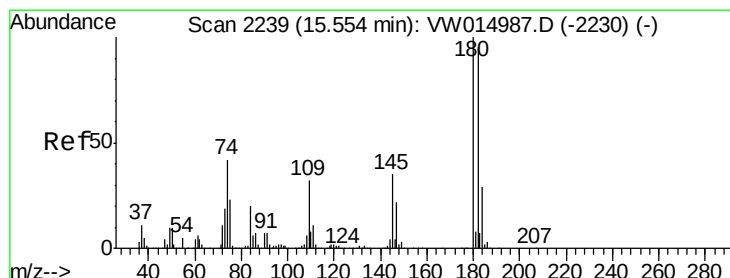
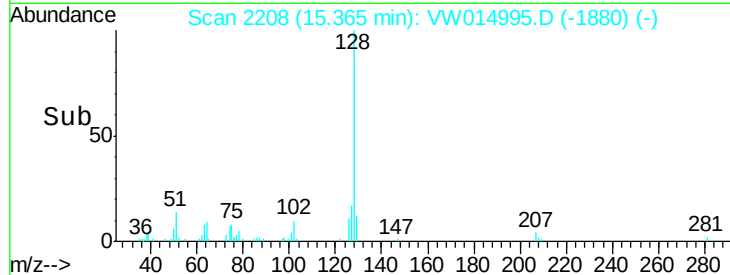
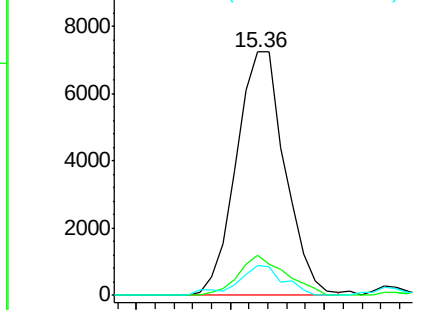


Abundance

Ion 128.00 (127.70 to 128.70): V

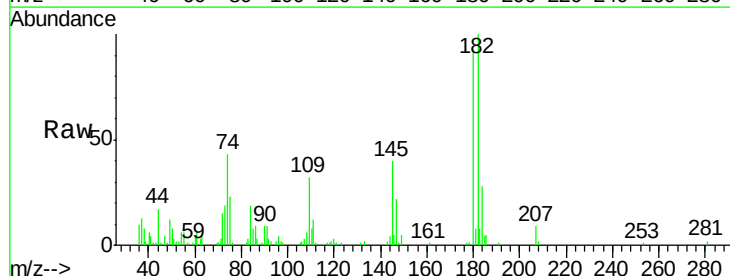
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.690 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	75.2	112.8
145	34.6	27.0	40.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

