

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013308.D
 Acq On : 26 Sep 2019 17:00
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:23 PM

Quant Time: Sep 27 08:39:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	529521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	478948	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	151516	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	2.89	69	119854	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.01	63	227887	18.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.32%
20) 2-Butanone-d5	7.07	46	113552	52.03	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.06%
24) Chloroform-d	7.65	84	286898	24.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	8.31	65	158727	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.44%
29) Benzene-d6	8.27	84	629259	24.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.80%
33) 1,2-Dichloropropane-d6	9.27	67	187414	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.32	98	600443	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	85416	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
39) 2-Hexanone-d5	10.92	63	88162	51.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	164880	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	211513	24.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4852m	1.464	ug/L	
3) Chloromethane	2.21	50	8427	1.898	ug/L	94
5) Vinyl chloride	2.36	62	11717	1.908	ug/L #	69
6) Bromomethane	2.78	94	7488	1.918	ug/L	98
8) Chloroethane	2.92	64	6992	1.877	ug/L	86
9) Trichlorofluoromethane	3.25	101	5977	1.570	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	14227m	2.365	ug/L	
12) 1,1-Dichloroethene	4.04	96	13602	2.228	ug/L #	1
13) Acetone	4.12	43	10438	5.747	ug/L	94
14) Carbon disulfide	4.38	76	32320	1.865	ug/L	96
15) Methyl Acetate	4.66	43	7374	2.104	ug/L #	75
16) Methylene chloride	4.91	84	30830	3.897	ug/L	90
17) Methyl tert-butyl Ether	5.42	73	19428	1.840	ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	13153	2.015	ug/L	95
19) 1,1-Dichloroethane	6.21	63	22720	1.985	ug/L	94
21) 2-Butanone	7.18	43	13697m	5.235	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	13752	1.934	ug/L	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	6370	1.990	ug/L	93
25) Chloroform	7.67	83	23902	2.124	ug/L	99
27) 1,2-Dichloroethane	8.39	62	15794	2.144	ug/L #	94
30) Cyclohexane	7.95	56	20860	1.813	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	18639	2.028	ug/L	97
32) Carbon tetrachloride	8.07	117	16766	1.913	ug/L #	2
34) Benzene	8.32	78	54133	2.016	ug/L	100
35) Trichloroethene	9.09	95	13716	1.944	ug/L	97
36) Methylcyclohexane	9.34	83	23208	1.847	ug/L	95
40) 1,2-Dichloropropane	9.37	63	12849	1.945	ug/L	99
41) Bromodichloromethane	9.64	83	15655	1.931	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	21119	2.001	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	23097	4.567	ug/L	98
44) Toluene	10.38	91	60728	2.077	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	17087m	2.015	ug/L	
46) 1,1,2-Trichloroethane	10.78	97	10610	2.050	ug/L	94
47) Tetrachloroethene	10.86	164	12399	1.953	ug/L	96
49) 2-Hexanone	10.97	43	13838	3.807	ug/L	91
50) Dibromochloromethane	11.13	129	11582	1.951	ug/L	93
51) 1,2-Dibromoethane	11.24	107	10082	1.983	ug/L	96
52) Chlorobenzene	11.65	112	37448	2.033	ug/L	94
53) Ethylbenzene	11.73	91	65556	2.023	ug/L	97
54) m,p-Xylene	11.84	106	25049	2.013	ug/L	90
55) o-xylene	12.16	106	22910	1.951	ug/L	94
56) Styrene	12.18	104	38549	1.915	ug/L	91
57) Isopropylbenzene	12.46	105	61868	1.949	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12425	1.949	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	9727	2.044	ug/L	94
62) Bromoform	12.35	173	7418	1.972	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	30185	2.063	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	30724	2.078	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	27333	2.053	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	2255	2.151	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	21707	1.927	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	15114	1.681	ug/L	96
69) Naphthalene	15.37	128	25371	1.477	ug/L #	96
70) 1,2,3-Trichlorobenzene	15.55	180	14023	1.714	ug/L	99

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

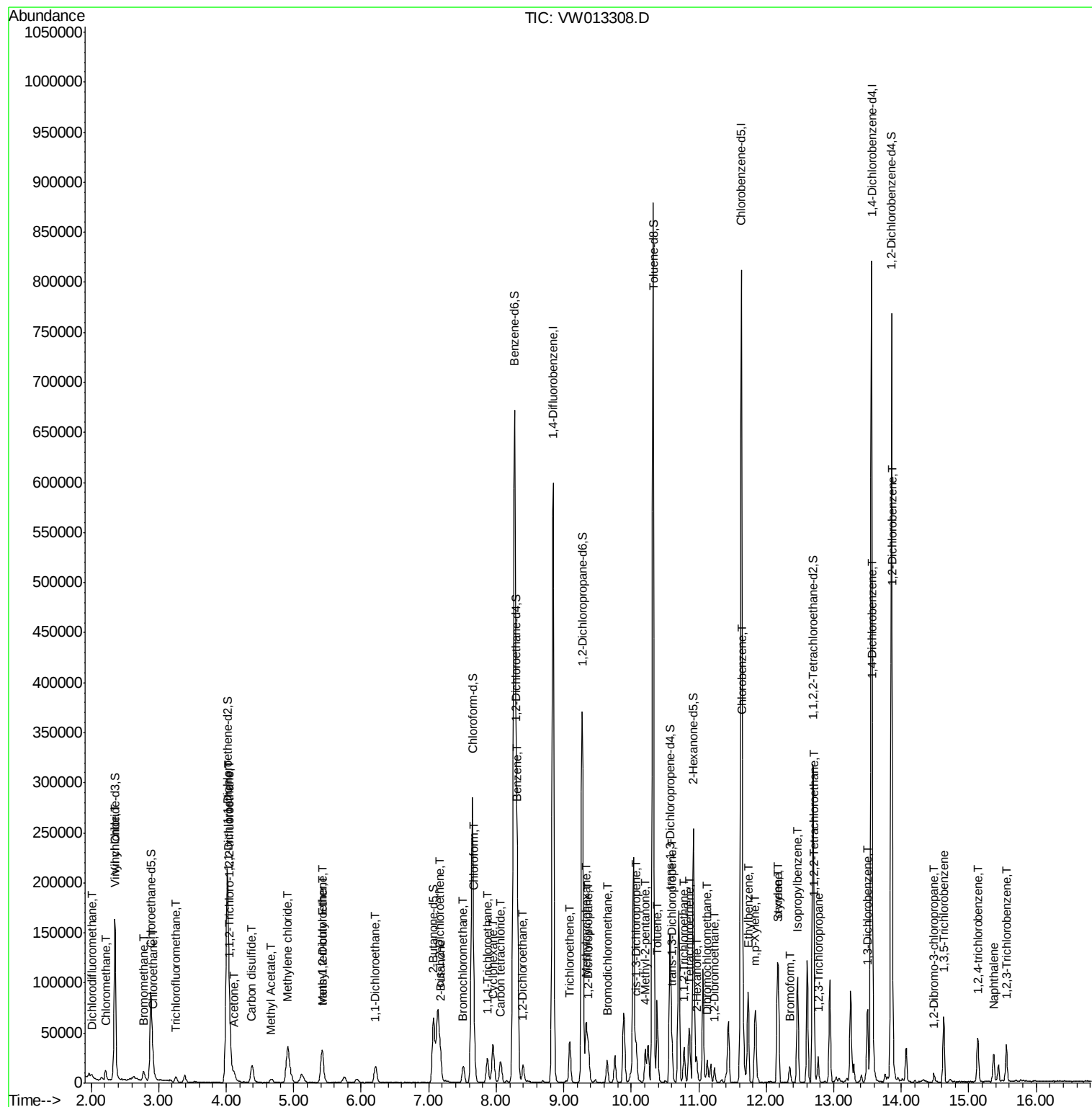
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092619\
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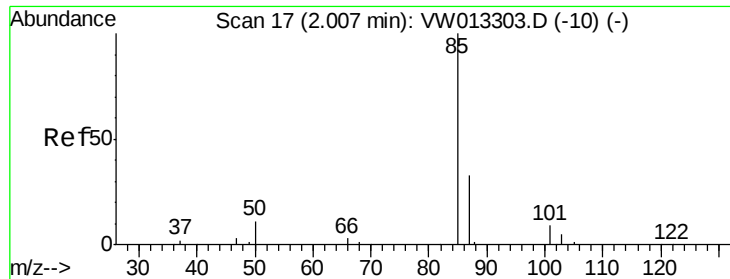
Instrument :
MSVOA_W
ClientSampleId :
MDL04

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#2

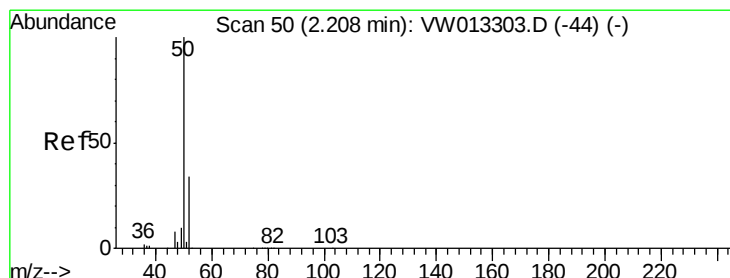
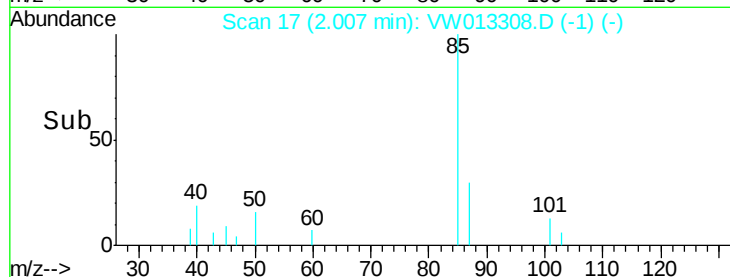
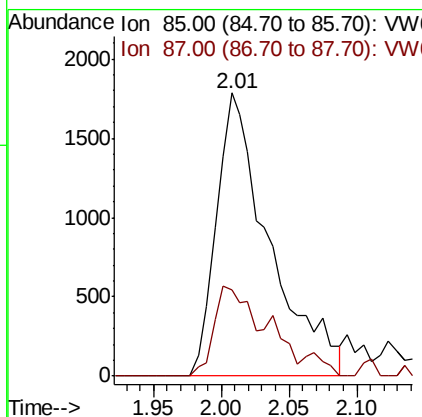
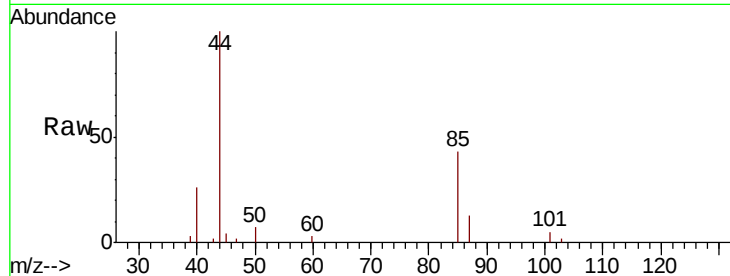
Dichlorodifluoromethane
Concen: 1.464 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion	85	Resp	4852
Ion Ratio	100	Lower	Upper
85	100		
87	21.3	21.3	39.6#

Manual Integrations
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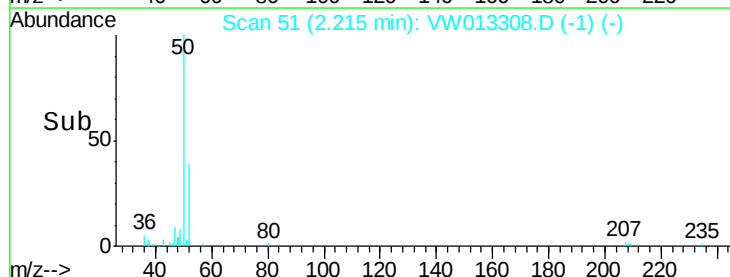
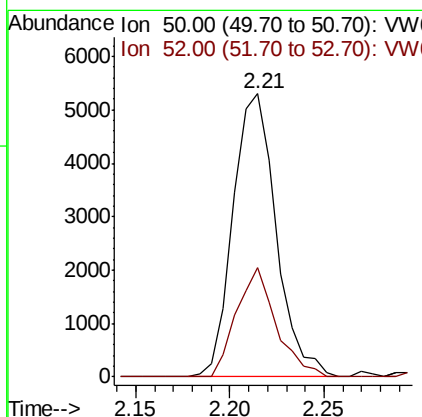
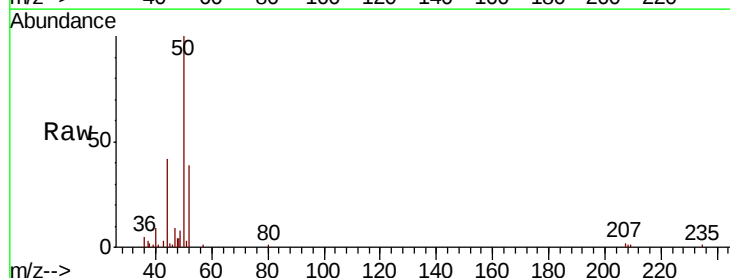
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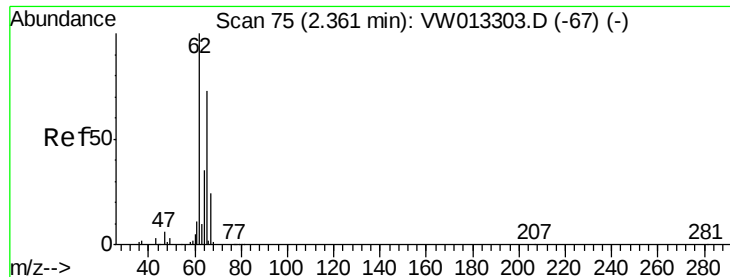


#3

Chloromethane
Concen: 1.898 ug/L
RT: 2.21 min Scan# 51
Delta R.T. 0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion	50	Resp	8427
Ion Ratio	100	Lower	Upper
50	100		
52	38.5	24.4	45.4





#5

Vinyl chloride

Concen: 1.908 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 11717

Ion Ratio Lower Upper

62 100

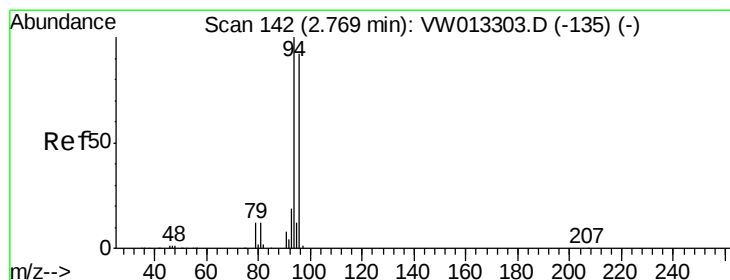
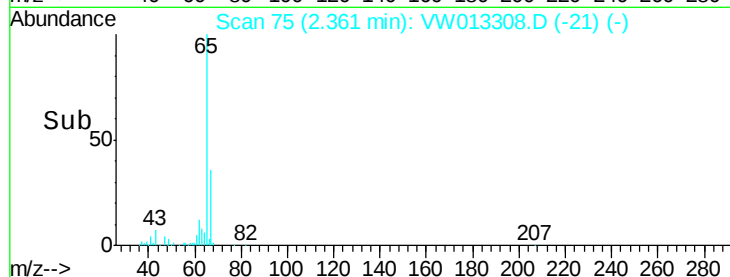
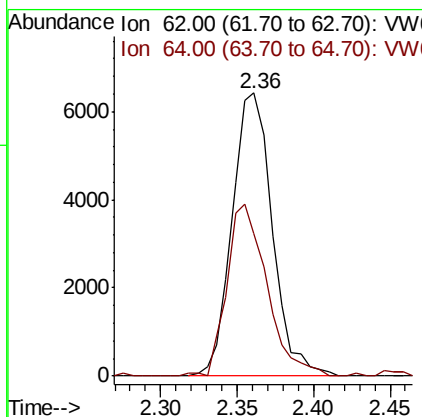
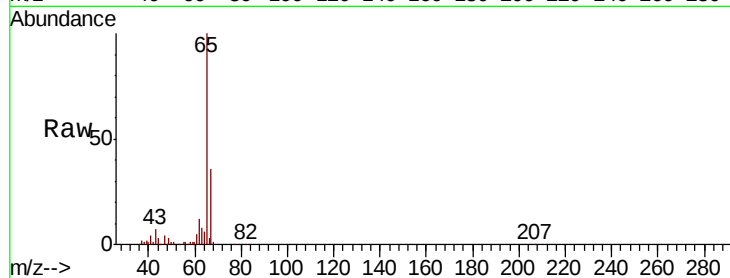
64 50.5 23.2 43.0#

Manual Integrations

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10/9/2019 2:13:23 PM



#6

Bromomethane

Concen: 1.918 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013308.D

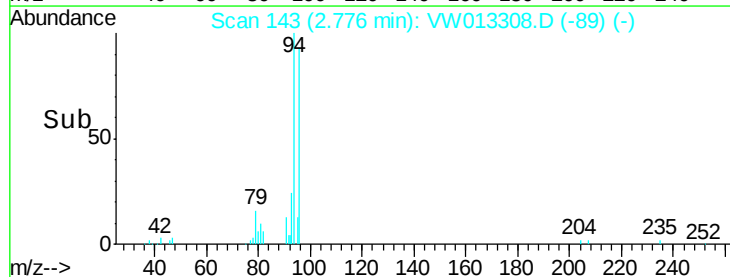
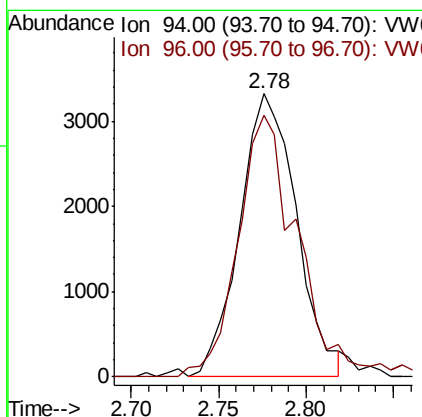
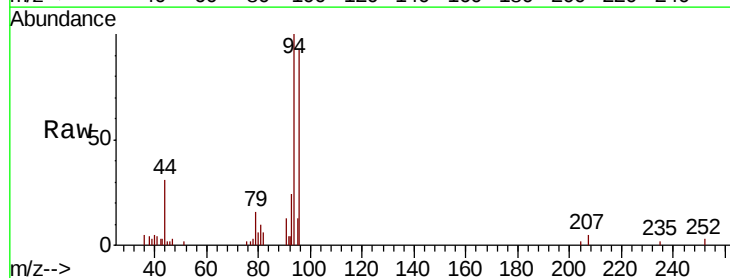
Acq: 26 Sep 2019 17:00

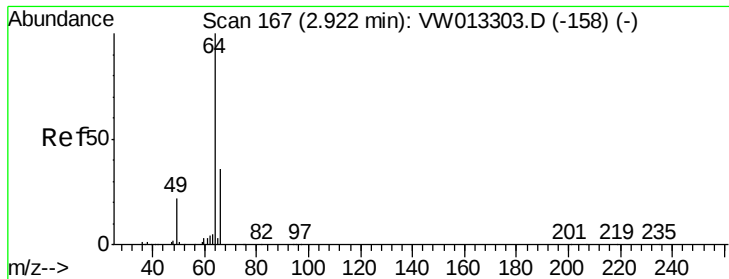
Tgt Ion: 94 Resp: 7488

Ion Ratio Lower Upper

94 100

96 95.4 9.7 184.3





#8

Chloroethane

Concen: 1.877 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion: 64 Resp: 6992

Ion Ratio Lower Upper

64 100

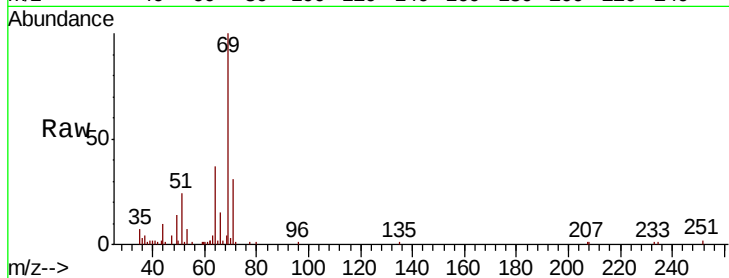
66 40.4 22.7 42.1

Manual Integrations

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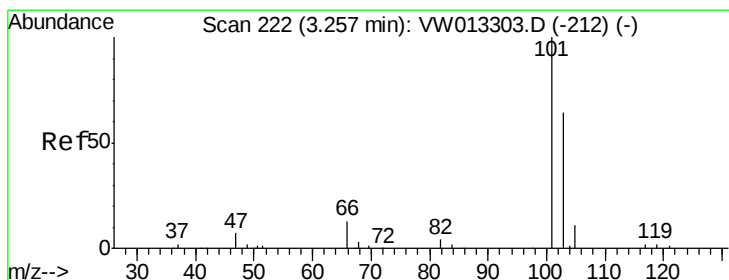
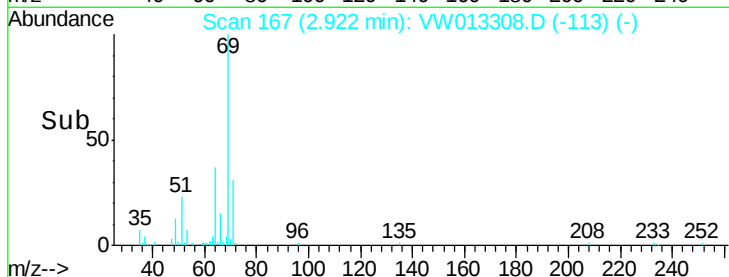
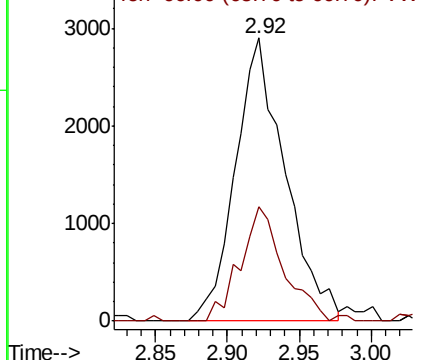
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Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 1.570 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013308.D

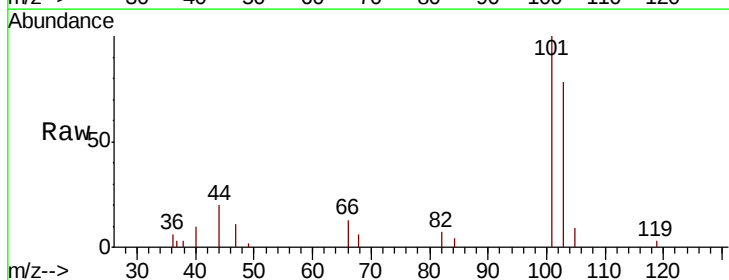
Acq: 26 Sep 2019 17:00

Tgt Ion: 101 Resp: 5977

Ion Ratio Lower Upper

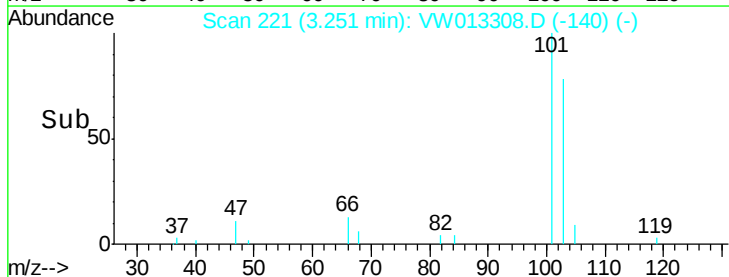
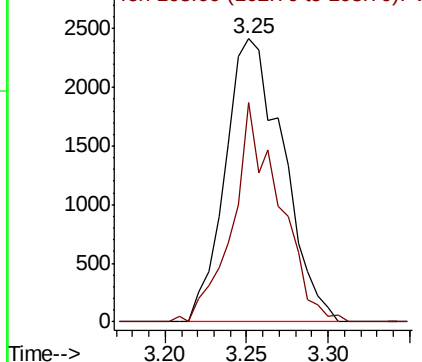
101 100

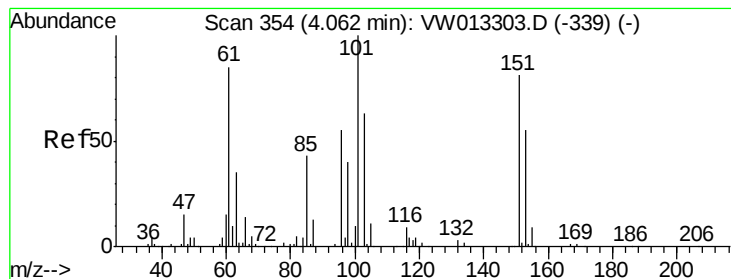
103 62.3 45.2 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.365 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

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ClientSampleID :

MDL04

Tot Ion: 101 Resp: 14227

Ion Ratio Lower Upper

101 100

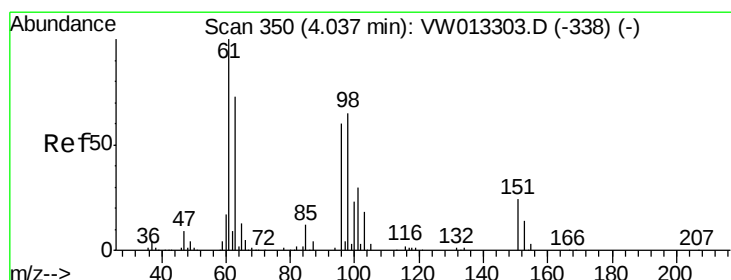
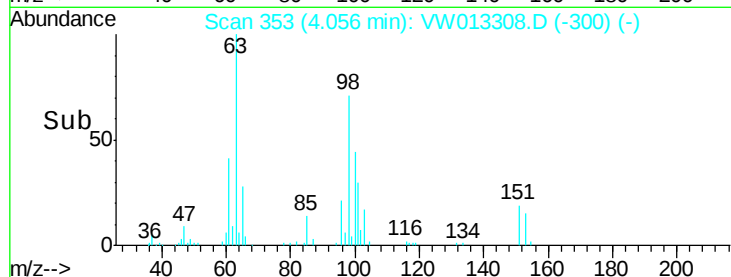
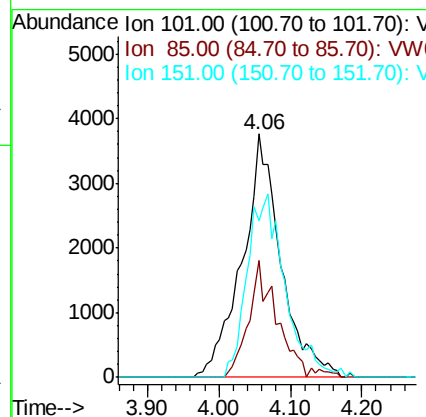
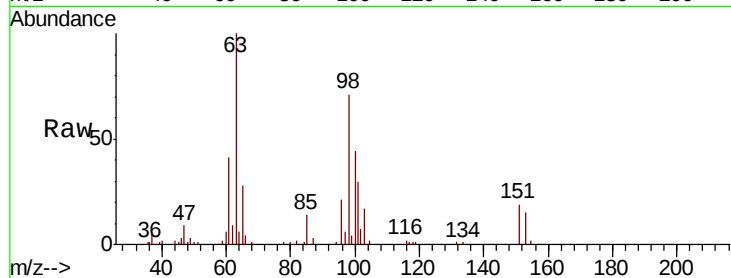
85 18.1 31.8 47.8#

151 27.1 65.4 98.0#

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10/9/2019 2:13:23 PM



#12

1,1-Dichloroethene

Concen: 2.228 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

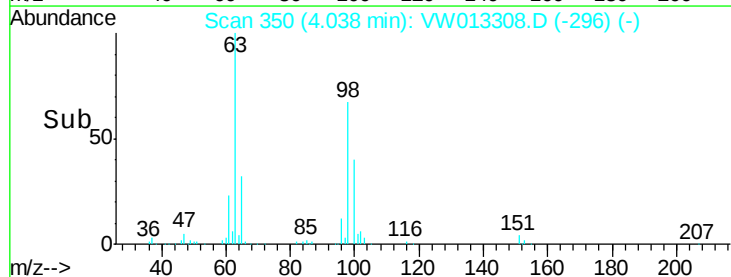
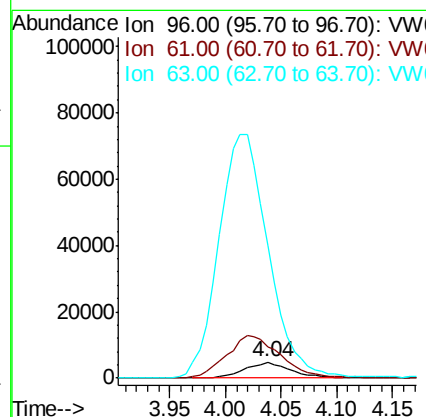
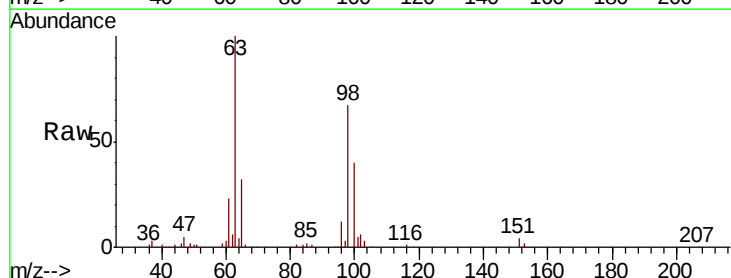
Tgt Ion: 96 Resp: 13602

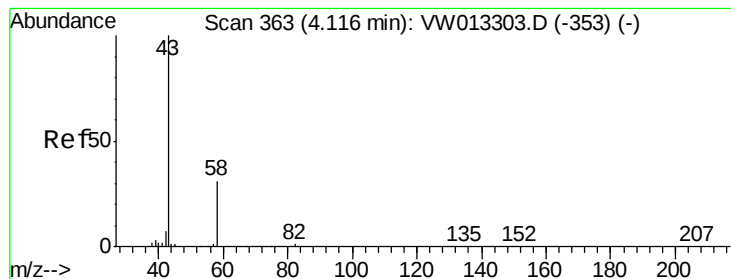
Ion Ratio Lower Upper

96 100

61 193.0 115.9 215.3

63 825.6 88.9 165.1#





#13

Acetone

Concen: 5.747 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 10438

Ion Ratio Lower Upper

43 100

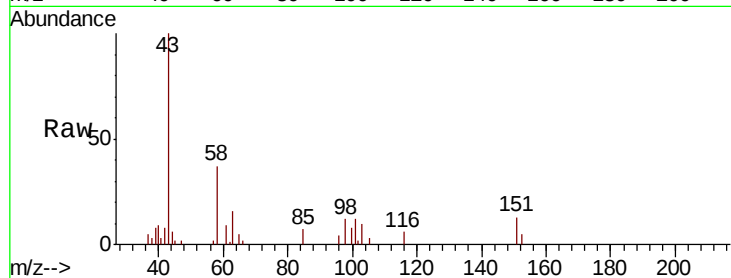
58 35.1 0.0 63.2

Manual Integrations

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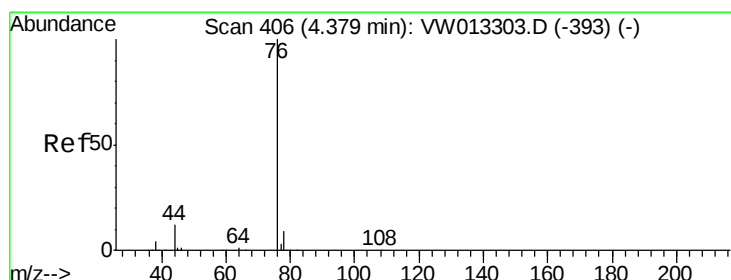
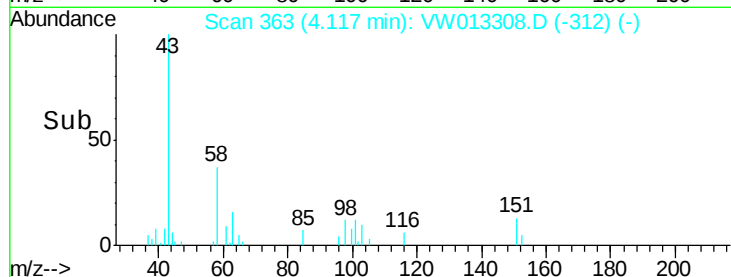
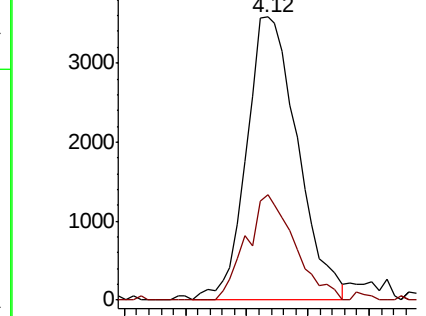
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10/9/2019 2:13:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.865 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013308.D

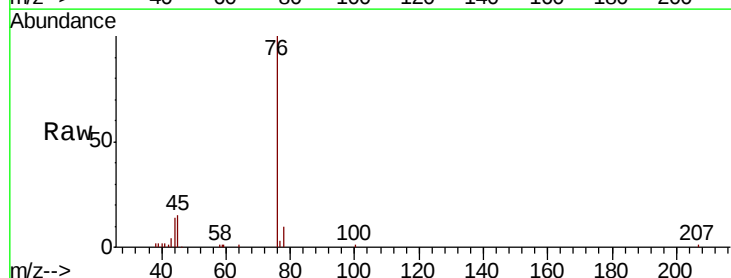
Acq: 26 Sep 2019 17:00

Tgt Ion: 76 Resp: 32320

Ion Ratio Lower Upper

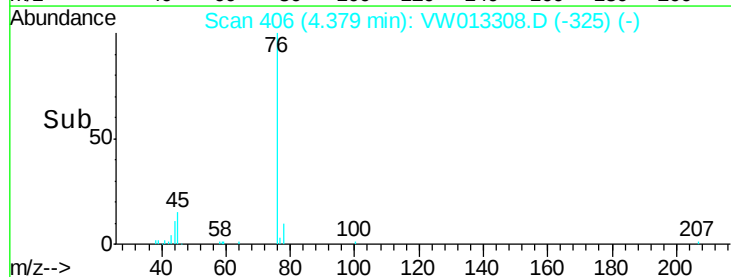
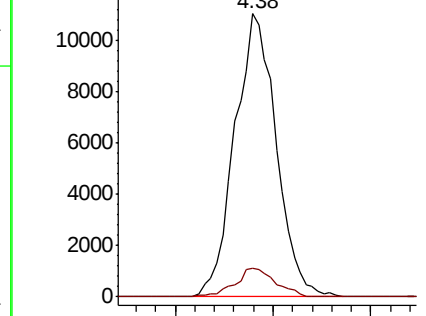
76 100

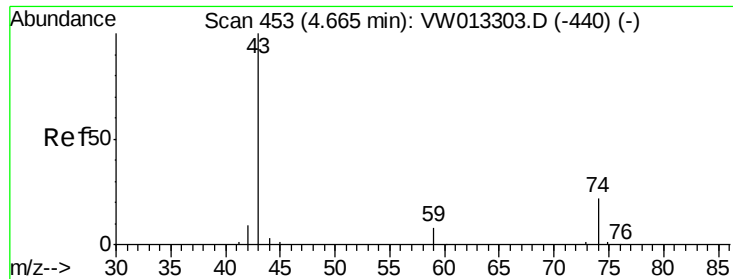
78 10.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





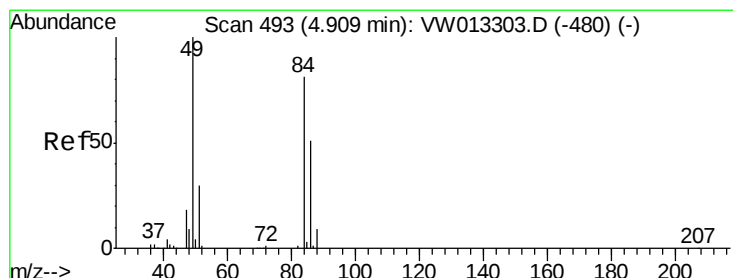
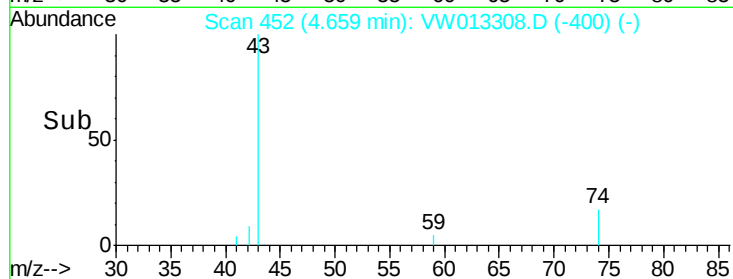
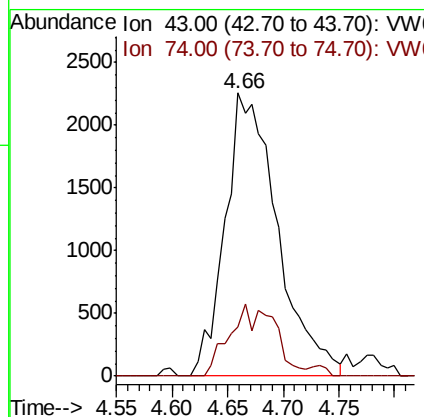
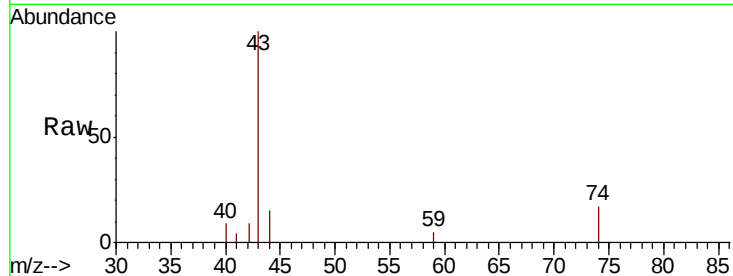
#15
Methyl Acetate
Concen: 2.104 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion: 43 Resp: 7374
Ion Ratio Lower Upper
43 100
74 11.3 18.7 28.1#

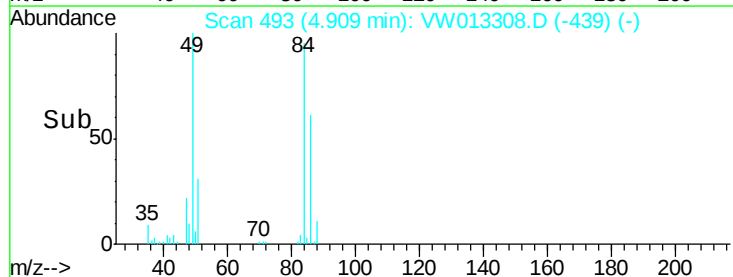
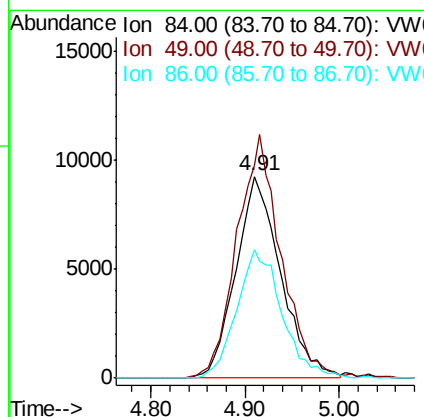
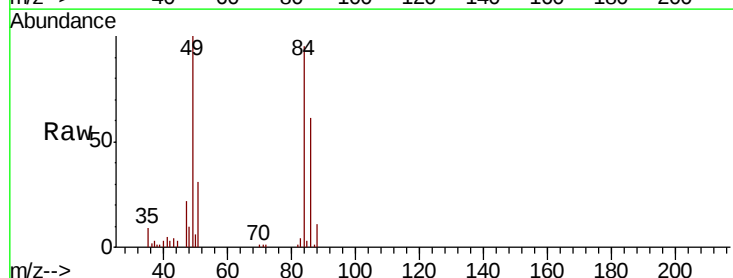
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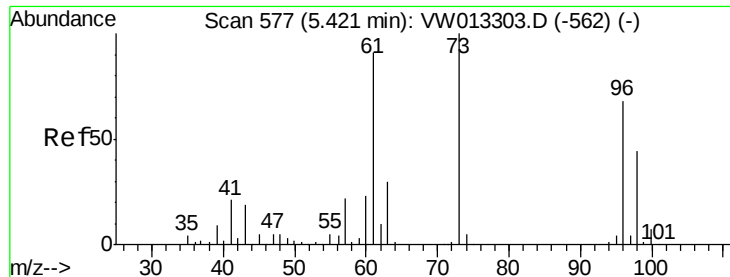
MMDadoda
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#16
Methylene chloride
Concen: 3.897 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion: 84 Resp: 30830
Ion Ratio Lower Upper
84 100
49 105.4 84.8 157.4
86 63.9 44.0 81.6





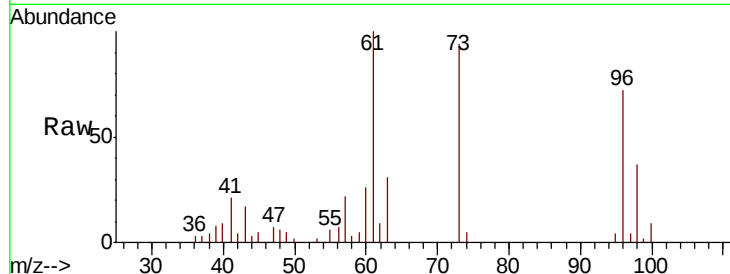
#17
Methvl tert-butvl Ether
Concen: 1.840 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
MDL04

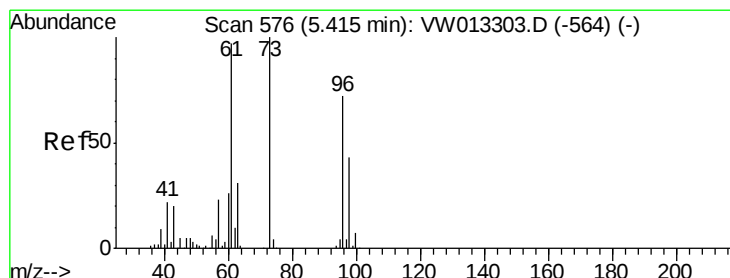
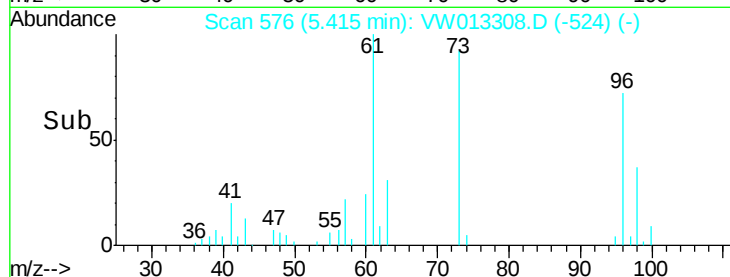
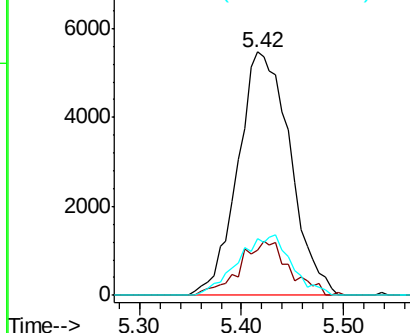
Tot Ion	Ratio	Lower	Upper
73	100		
43	9.9	15.3	22.9#
57	13.5	18.2	27.4#

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10/9/2019 2:13:23 PM



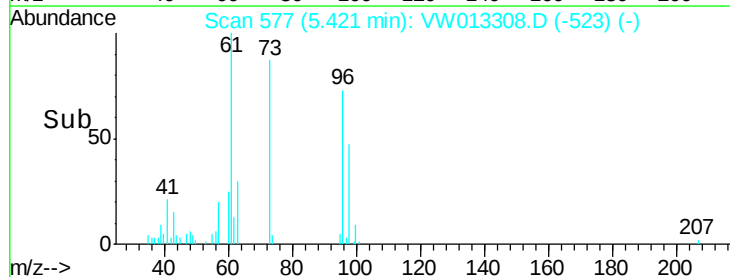
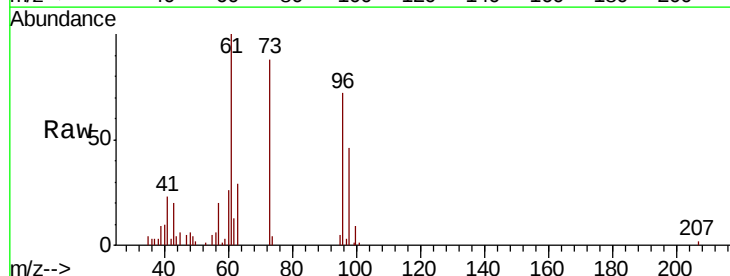
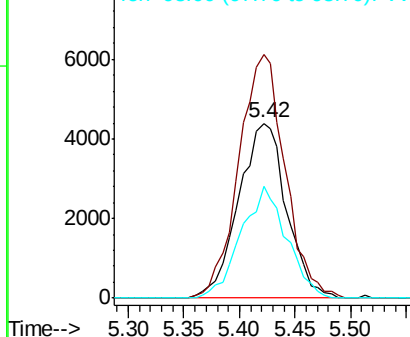
Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

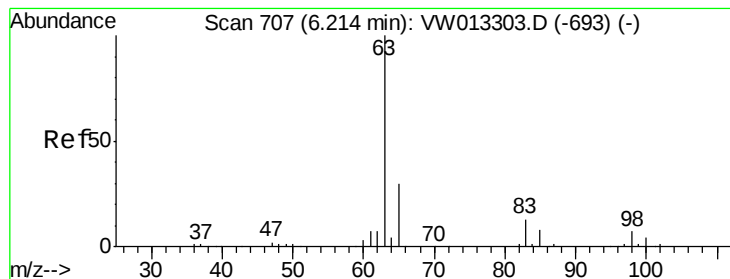


#18
trans-1,2-Dichloroethene
Concen: 2.015 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.1	91.2	169.4
98	64.1	44.7	82.9

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





#19

1,1-Dichloroethane

Concen: 1.985 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

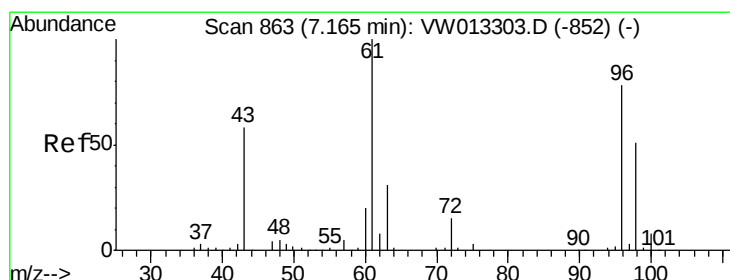
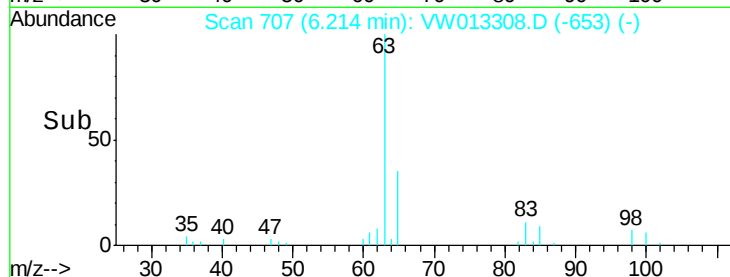
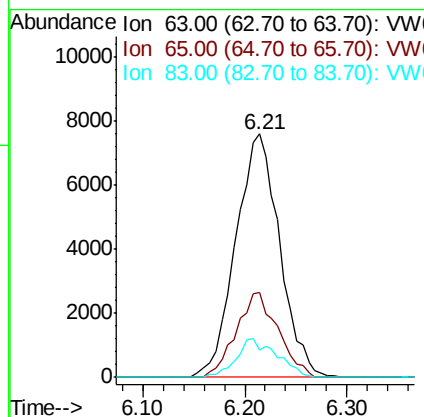
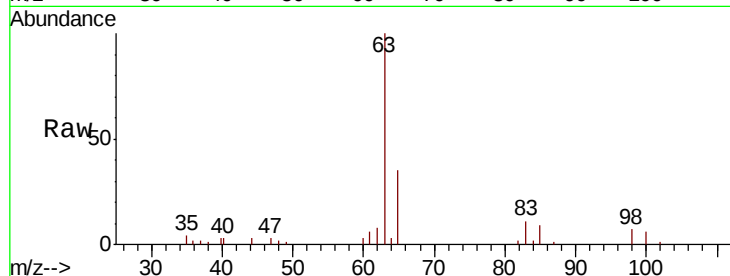
ClientSampled :

MDL04

Tot Ion:	63	Resp:	22720
Ion	Ratio	Lower	Upper
63	100		
65	34.8	21.8	40.4
83	11.3	9.3	17.3

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10/9/2019 2:13:23 PM



#21

2-Butanone

Concen: 5.235 ug/L m

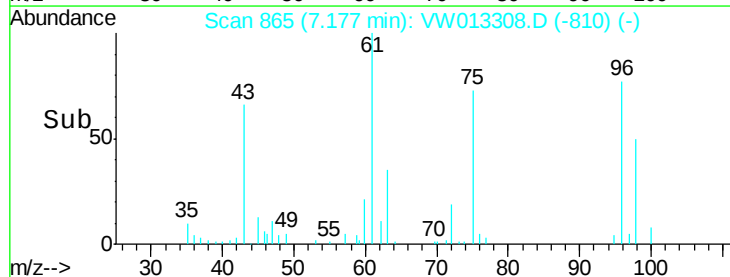
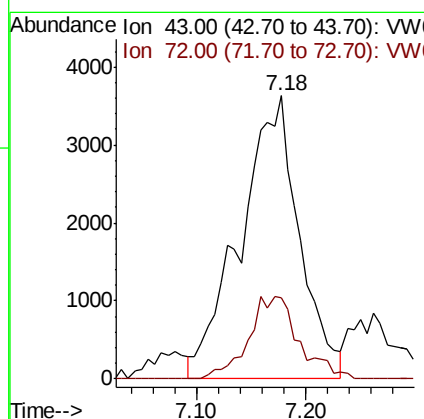
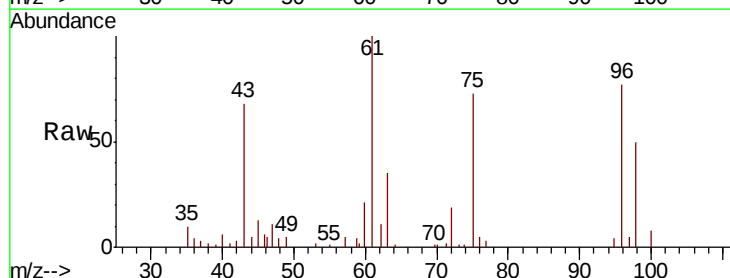
RT: 7.18 min Scan# 865

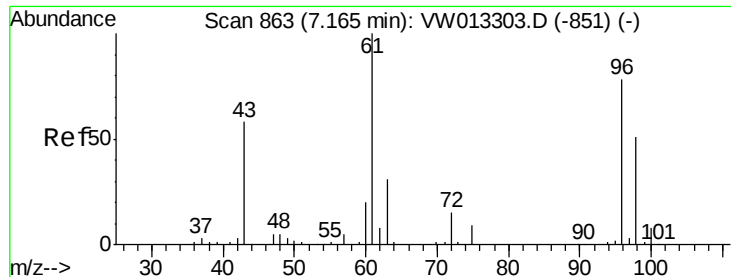
Delta R.T. 0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion:	43	Resp:	13697
Ion	Ratio	Lower	Upper
43	100		
72	0.4	13.2	39.6#





#22

cis-1,2-Dichloroethene

Concen: 1.934 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

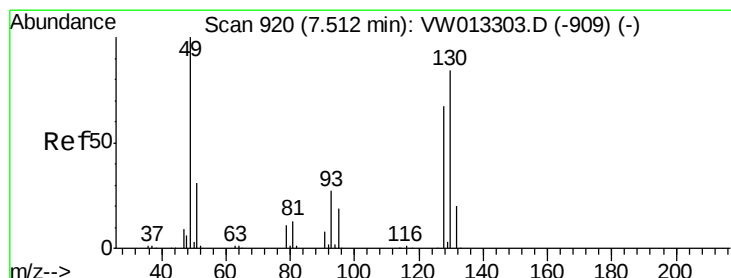
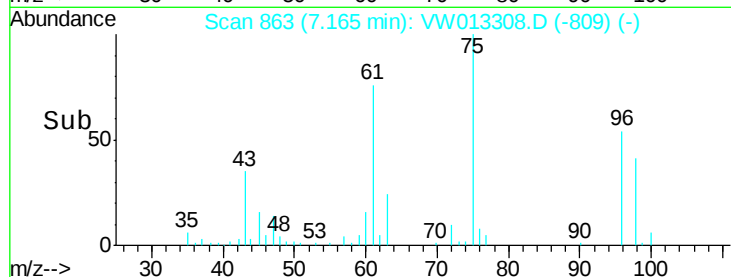
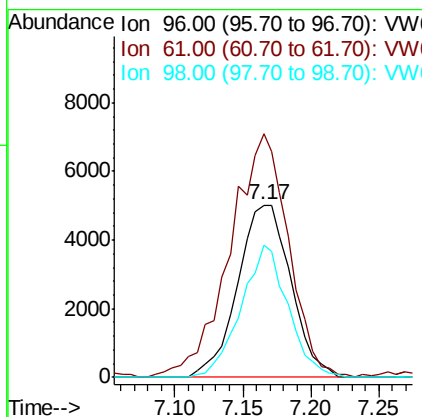
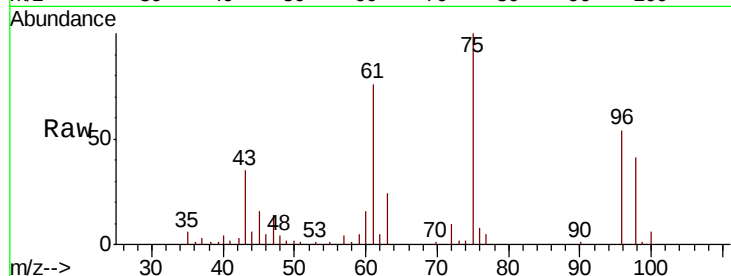
ClientSampled :

MDL04

Tot Ion:	96	Resp:	13752
Ion	Ratio	Lower	Upper
96	100		
61	141.4	86.0	159.6
98	76.9	43.5	80.9

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10/9/2019 2:13:23 PM



#23

Bromochloromethane

Concen: 1.990 ug/L

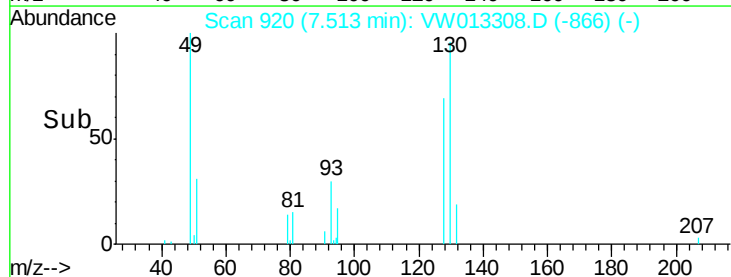
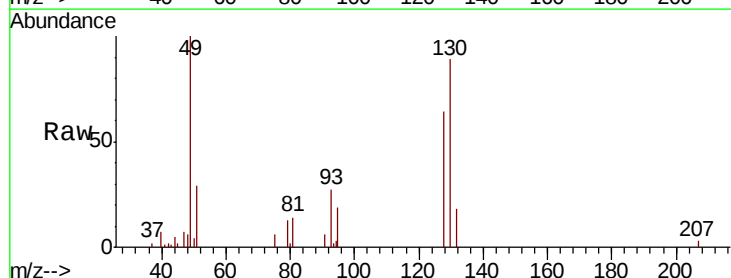
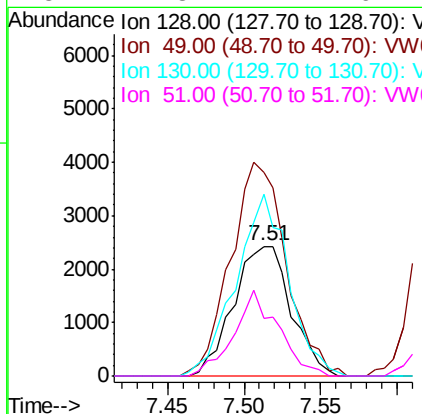
RT: 7.51 min Scan# 920

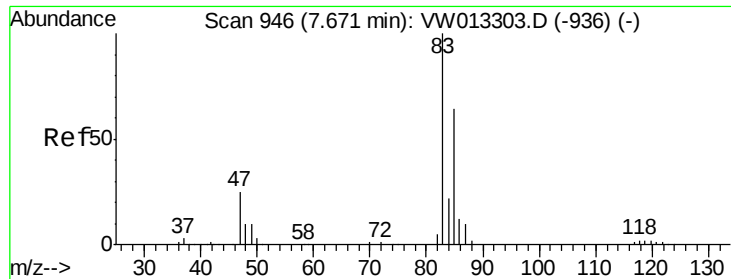
Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion:	128	Resp:	6370
Ion	Ratio	Lower	Upper
128	100		
49	157.0	114.6	212.8
130	140.1	92.6	172.0
51	44.8	42.7	64.1





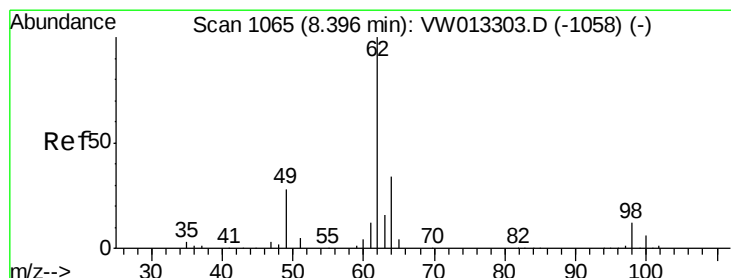
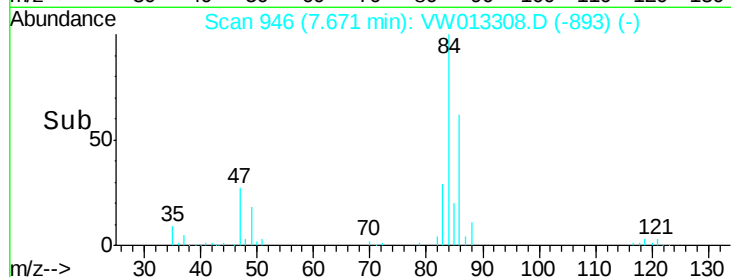
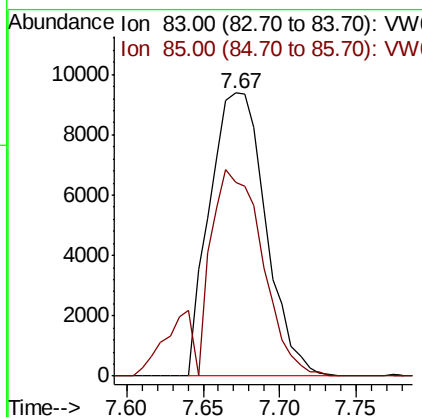
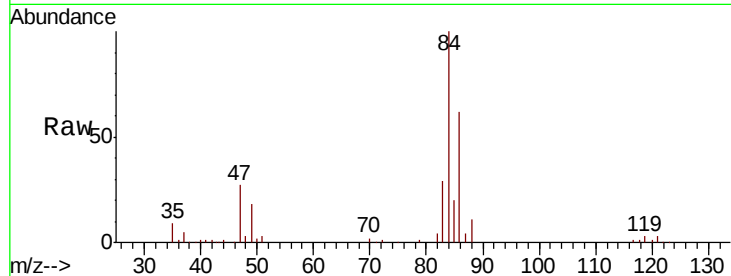
#25
Chloroform
Concen: 2.124 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	83	Resp	23902
Ion Ratio	100	Lower	Upper
85	66.5	45.9	85.3

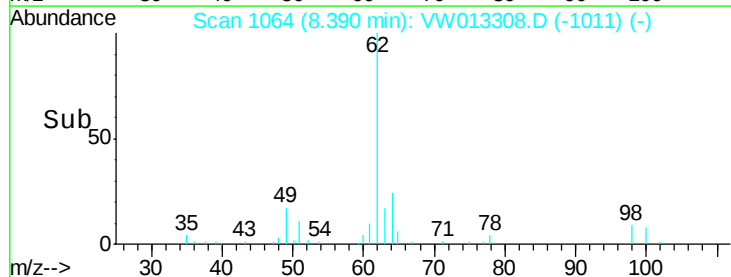
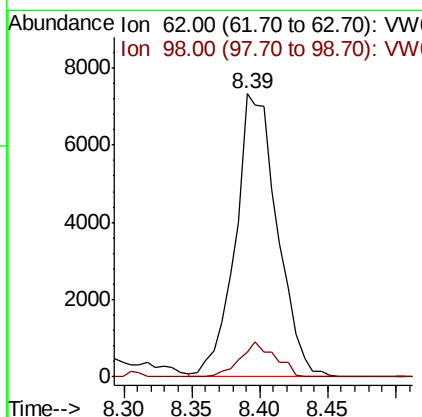
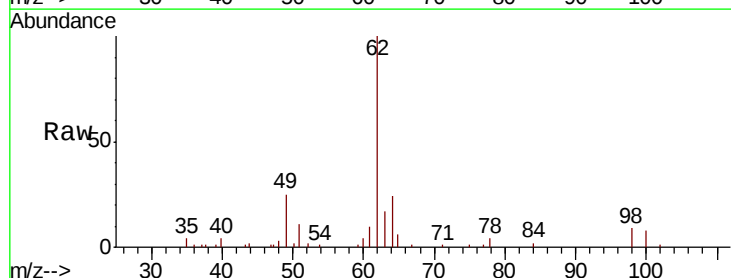
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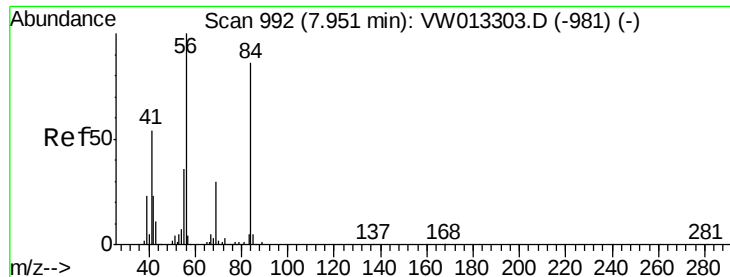
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.144 ug/L
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion	62	Resp	15794
Ion Ratio	100	Lower	Upper
98	9.0	9.0	13.6#





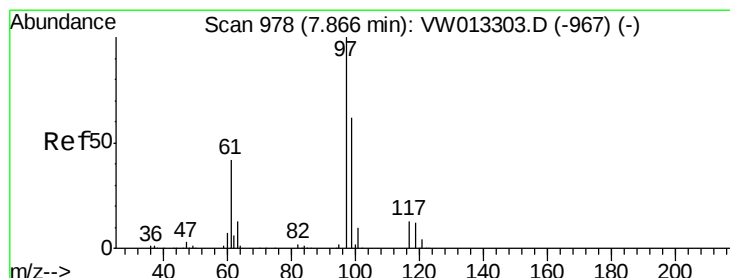
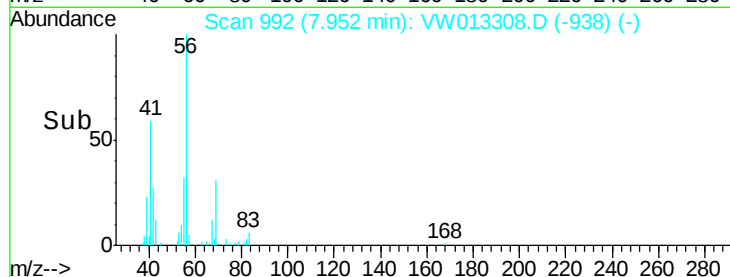
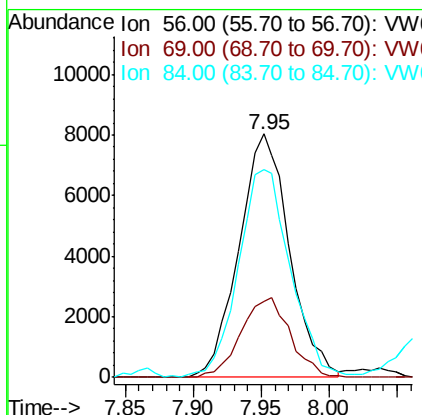
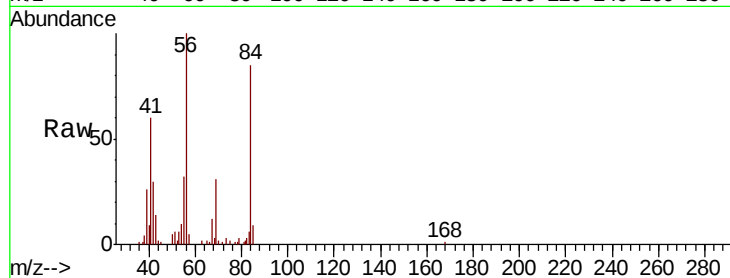
#30
Cyclohexane
Concen: 1.813 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.6	37.0
84	87.8	69.5	104.3

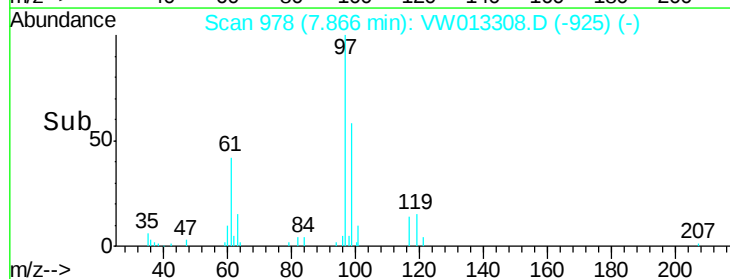
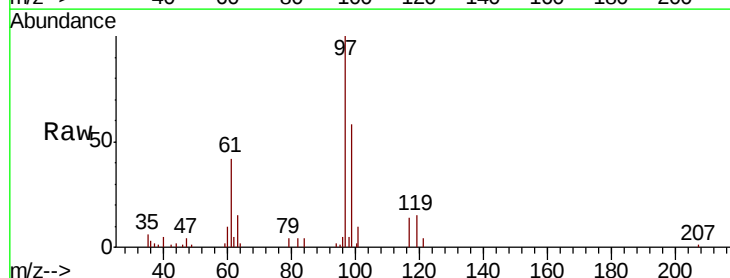
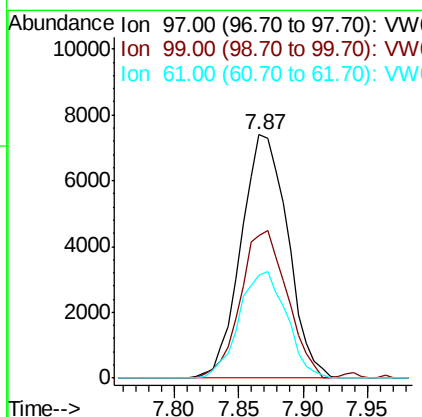
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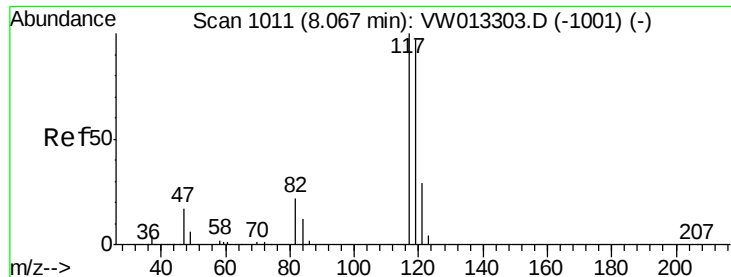
MMDadoda
10/9/2019 2:13:23 PM



#31
1,1,1-Trichloroethane
Concen: 2.028 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.3	50.6	75.8
61	44.2	34.2	51.2





#32

Carbon tetrachloride

Concen: 1.913 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion:117 Resp: 16766

Ion Ratio Lower Upper

117 100

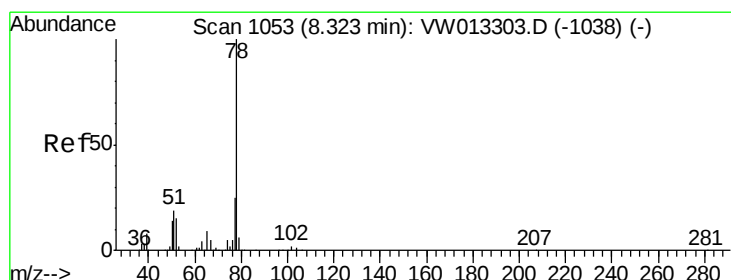
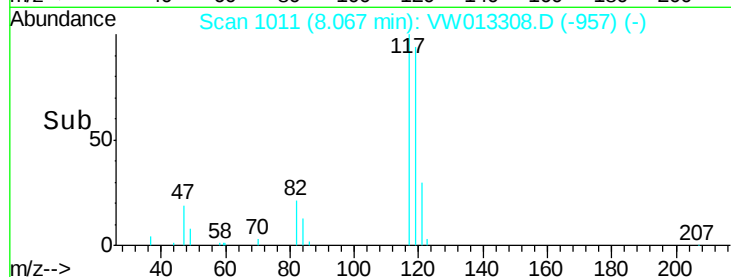
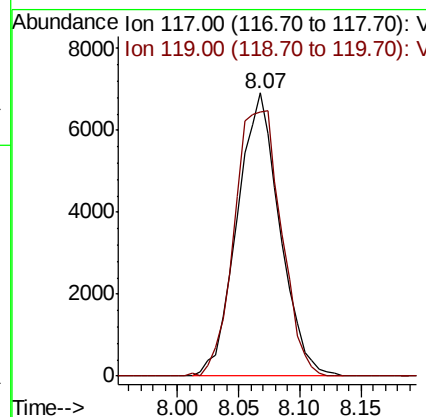
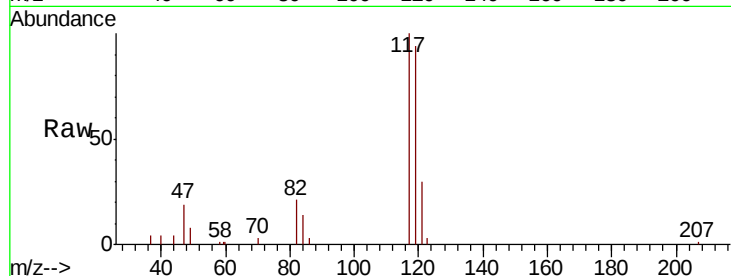
119 0.2 76.7 115.1#

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10/9/2019 2:13:23 PM



#34

Benzene

Concen: 2.016 ug/L

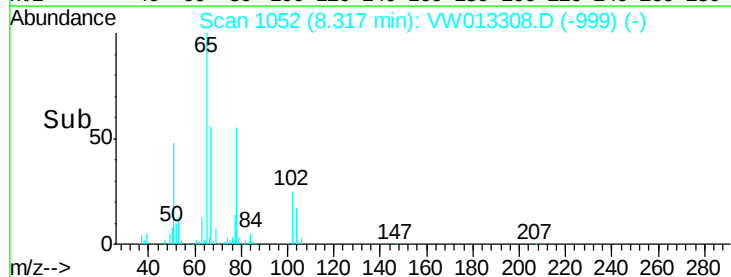
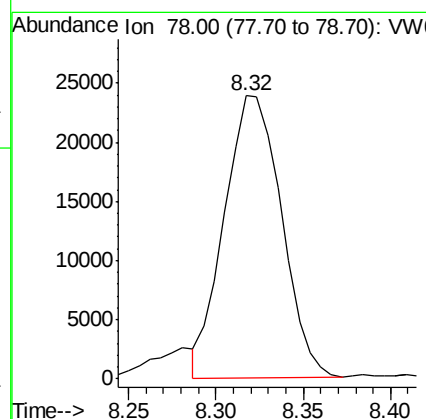
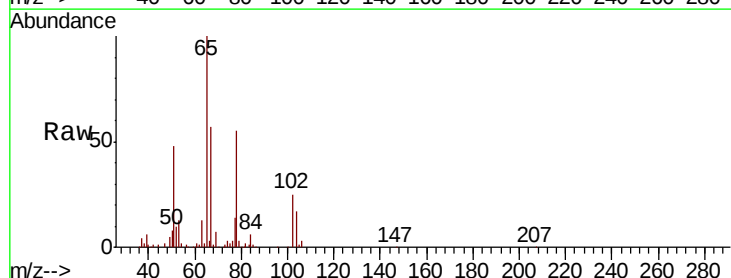
RT: 8.32 min Scan# 1052

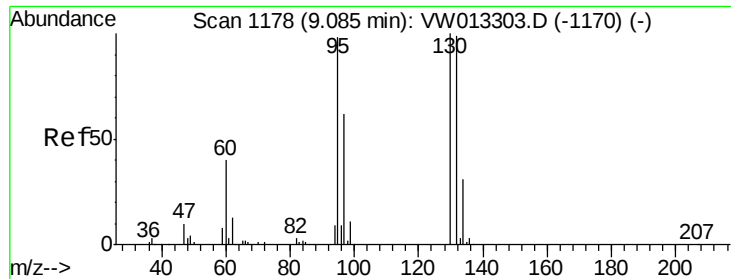
Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion: 78 Resp: 54133





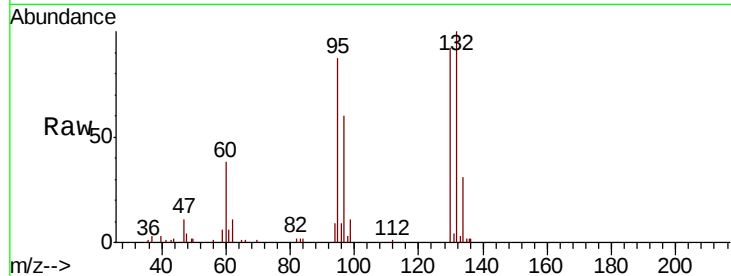
#35
 Trichloroethene
 Concen: 1.944 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion	95	Resp	13716
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.3	82.3
132	107.5	71.7	133.3
130	105.9	74.1	137.7

Manual Integrations
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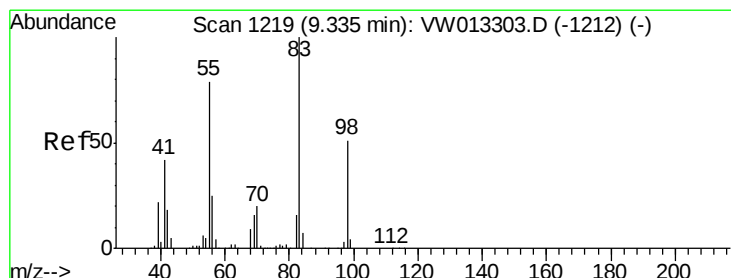
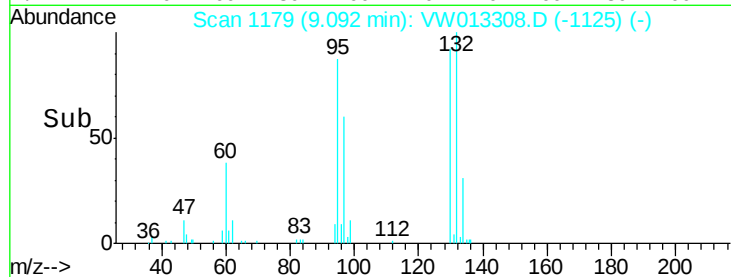
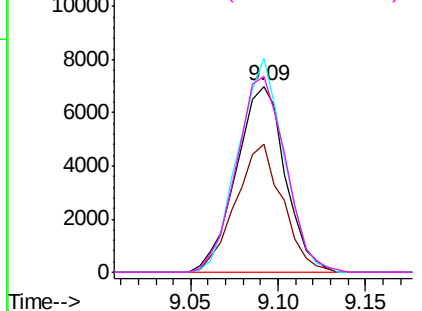
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

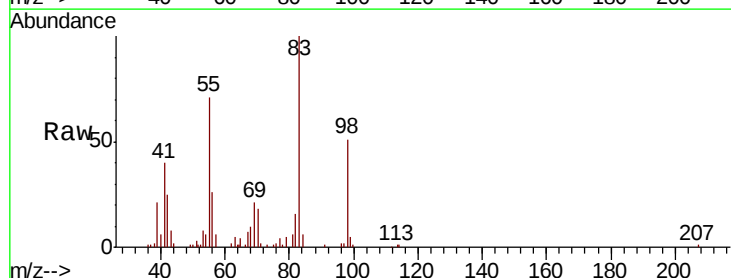
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 1.847 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion	83	Resp	23208
Ion	Ratio	Lower	Upper
83	100		
55	82.3	61.8	92.6
98	51.4	39.6	59.4

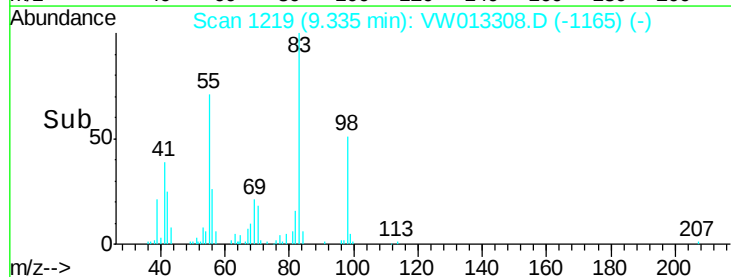
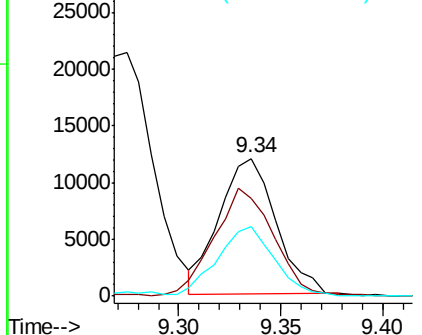


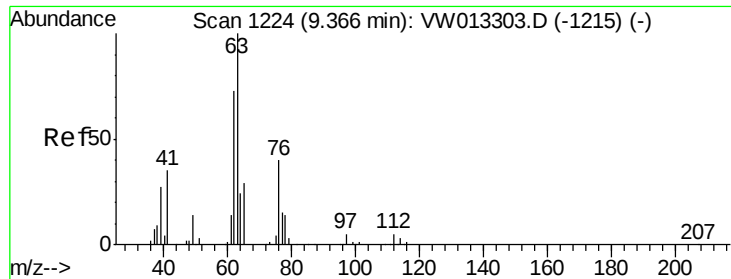
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





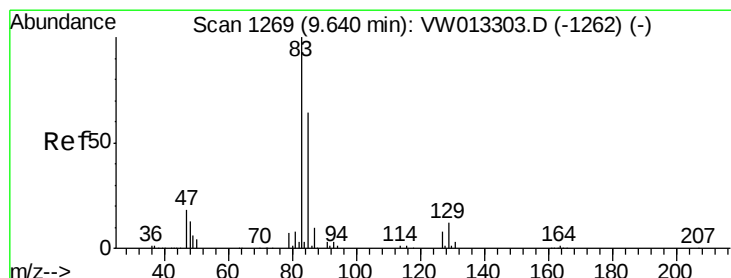
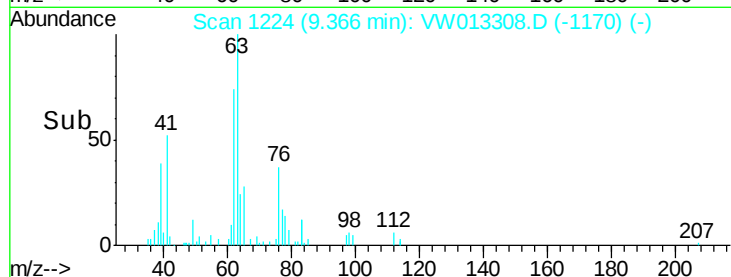
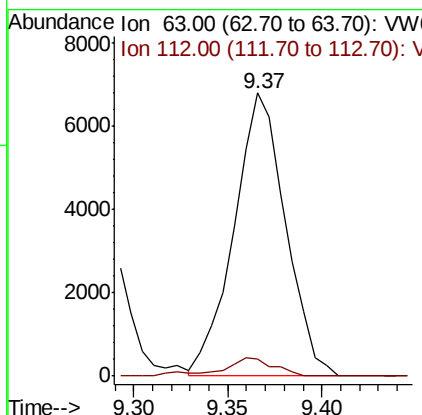
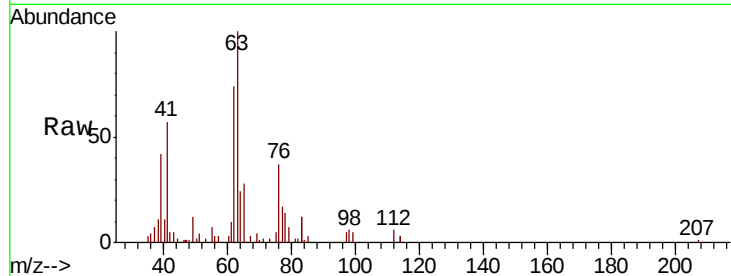
#40
 1,2-Dichloropropane
 Concen: 1.945 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
63	100	12849		
112	5.4		4.1	6.1

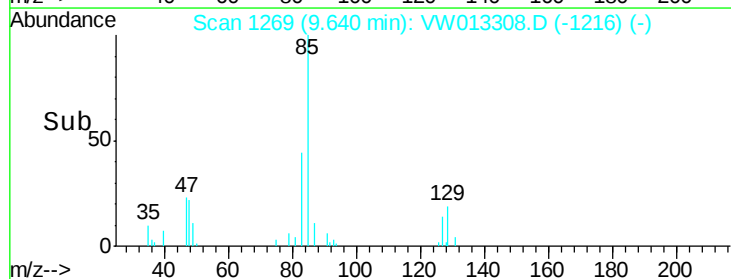
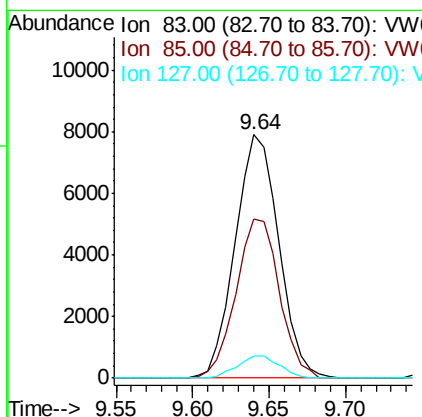
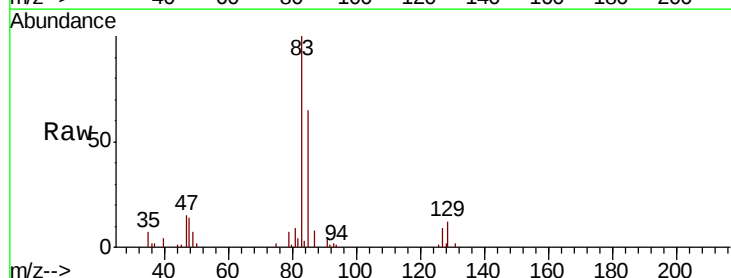
Manual Integrations
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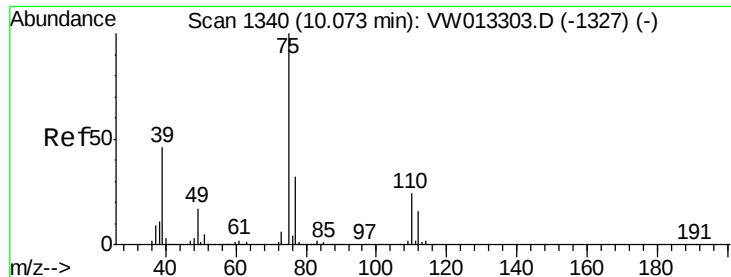
MMDadoda
 10/9/2019 2:13:23 PM



#41
 Bromodichloromethane
 Concen: 1.931 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	15655		
85	65.2		43.8	81.4
127	8.9		7.0	10.6





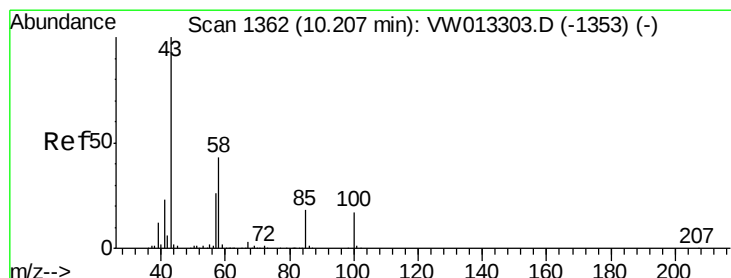
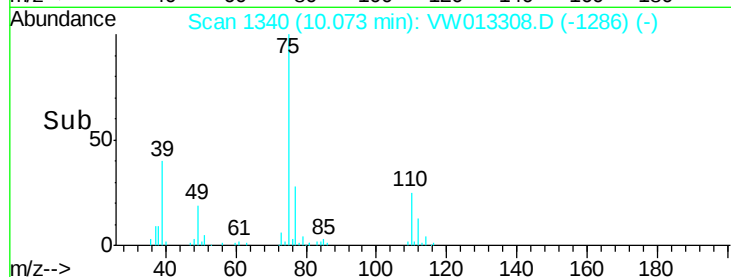
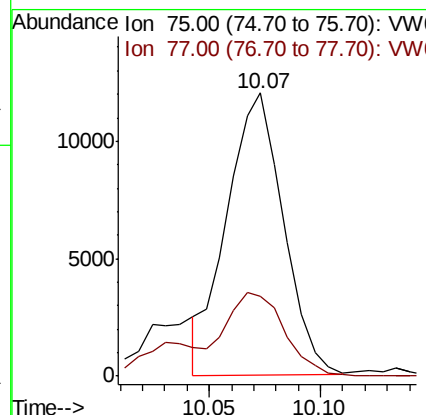
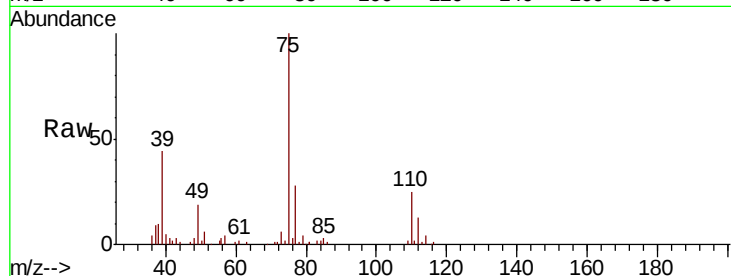
#42
 cis-1,3-Dichloropropene
 Concen: 2.001 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.2	21.3	39.5

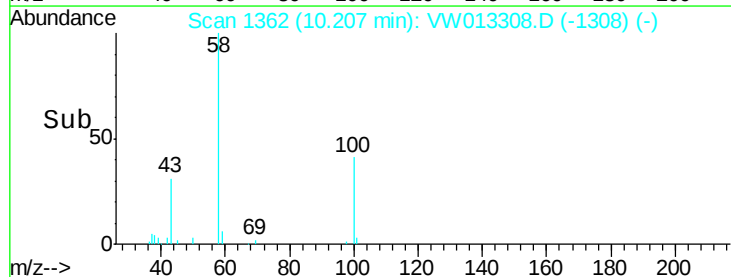
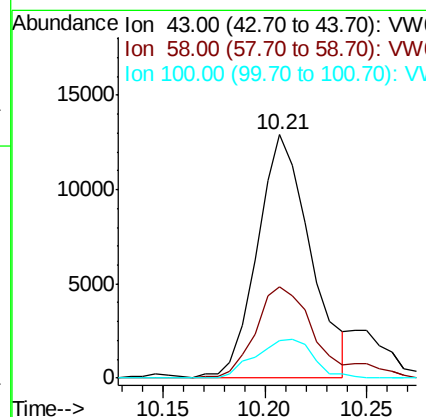
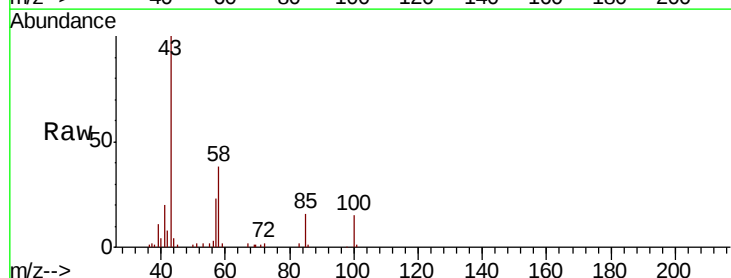
Manual Integrations
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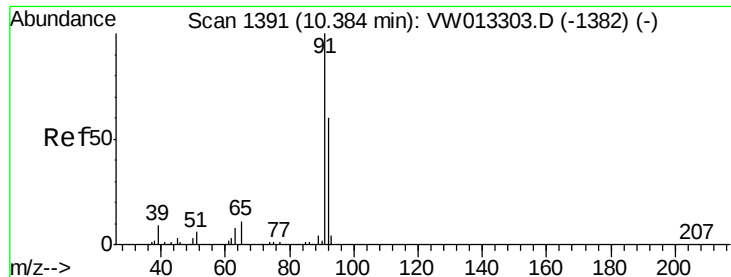
MMDadoda
 10/9/2019 2:13:23 PM



#43
 4-Methyl-2-pentanone
 Concen: 4.567 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.7	49.1
100	17.5	12.9	19.3





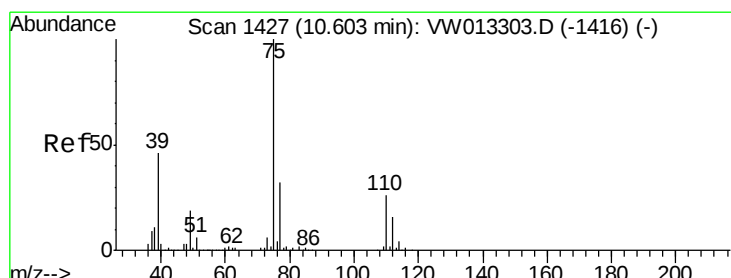
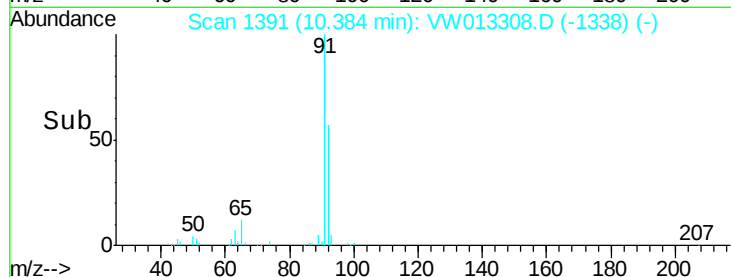
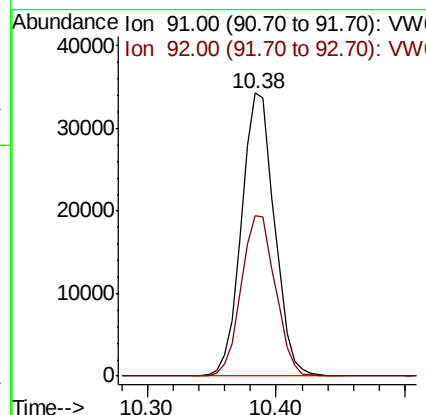
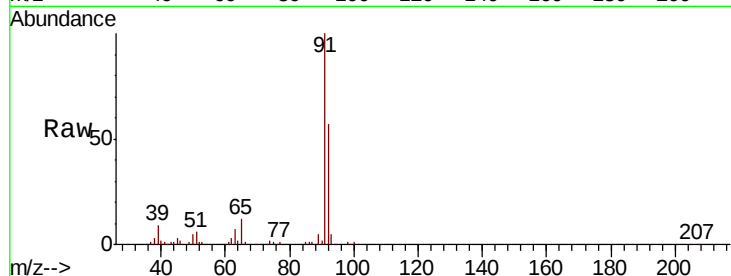
#44
Toluene
Concen: 2.077 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion: 91 Resp: 60728
Ion Ratio Lower Upper
91 100
92 56.9 41.5 77.1

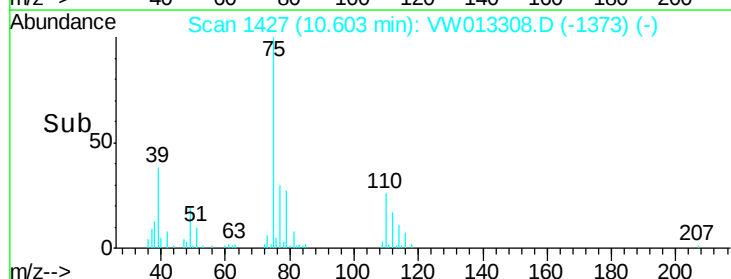
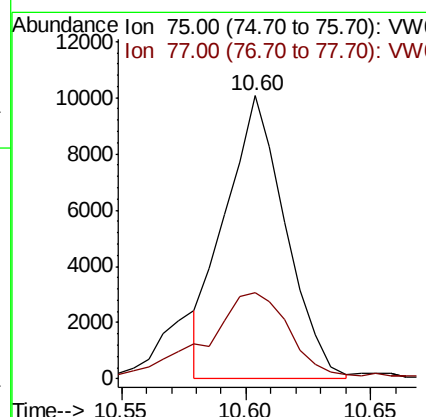
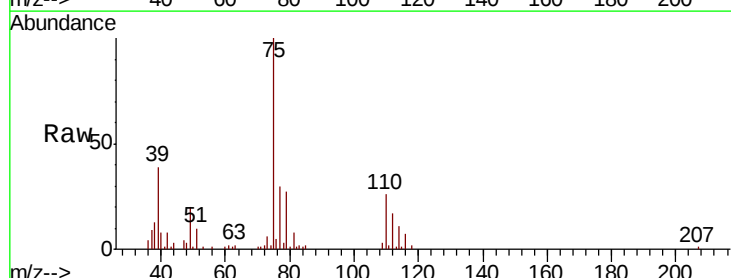
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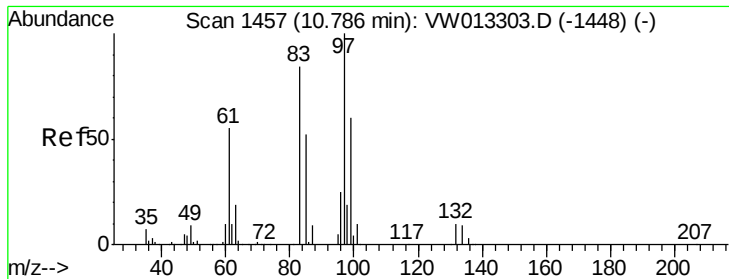
MMDadoda
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#45
trans-1,3-Dichloropropene
Concen: 2.015 ug/L m
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion: 75 Resp: 17087
Ion Ratio Lower Upper
75 100
77 30.4 20.5 38.1





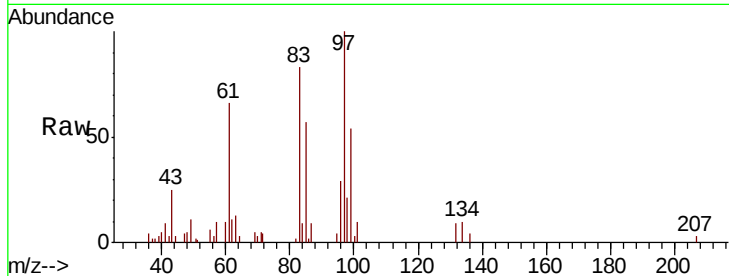
#46
1,1,2-Trichloroethane
Concen: 2.050 ug/L
RT: 10.78 min Scan# 1456
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
MDL04

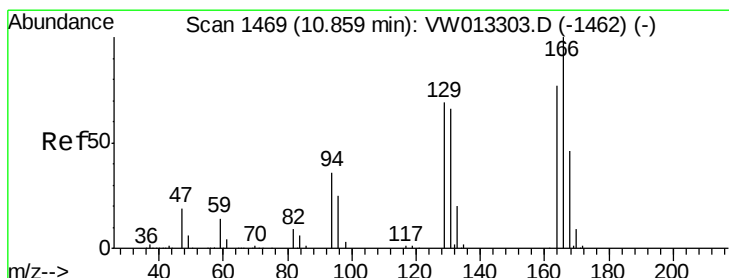
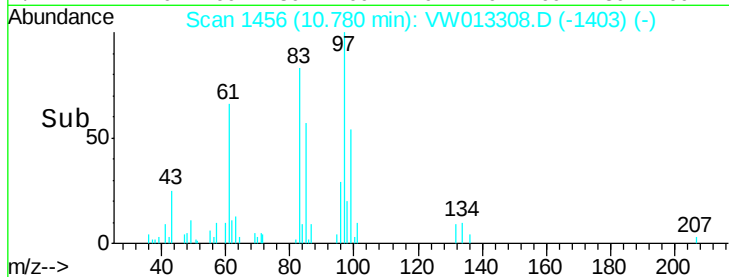
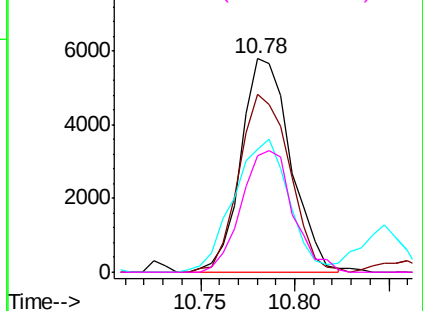
Tot Ion:	97	Resp:	10610
Ion	Ratio	Lower	Upper
97	100		
83	83.1	59.4	110.2
85	57.3	38.7	71.9
99	54.3	45.8	85.0

Manual Integrations
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MMDadoda
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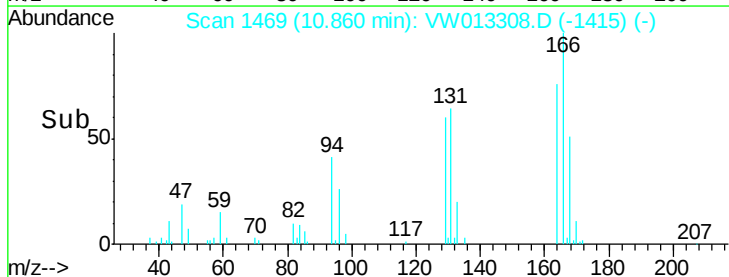
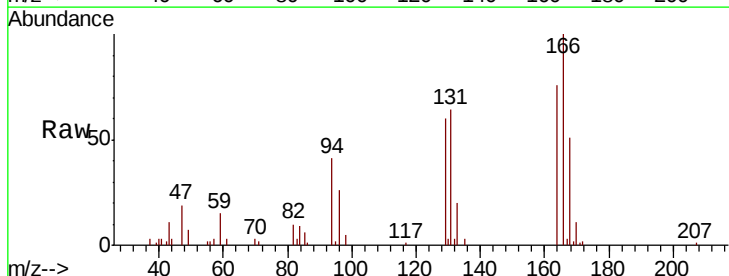
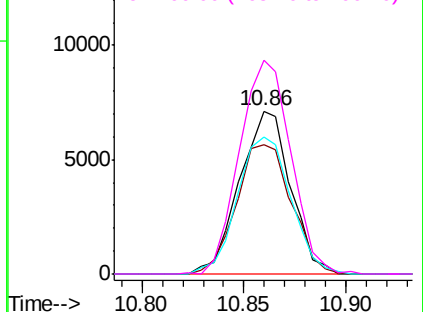
Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

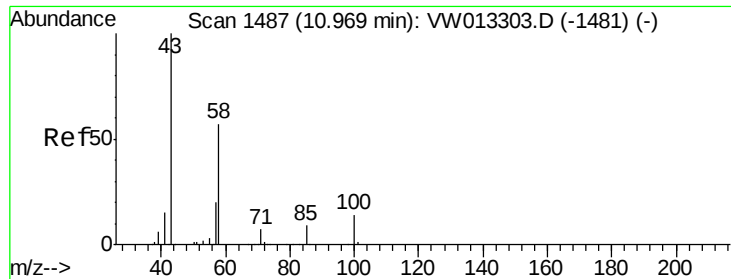


#47
Tetrachloroethene
Concen: 1.953 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion:	164	Resp:	12399
Ion	Ratio	Lower	Upper
164	100		
129	79.2	60.5	112.5
131	84.5	60.6	112.6
166	131.2	90.6	168.2

Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





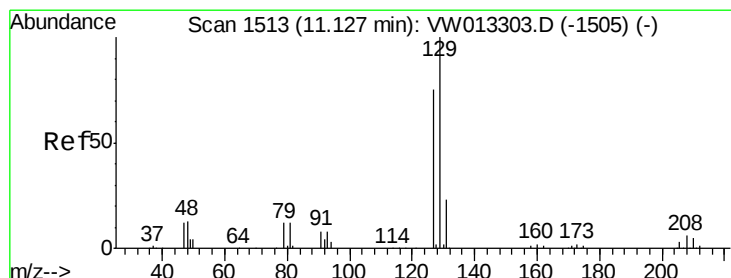
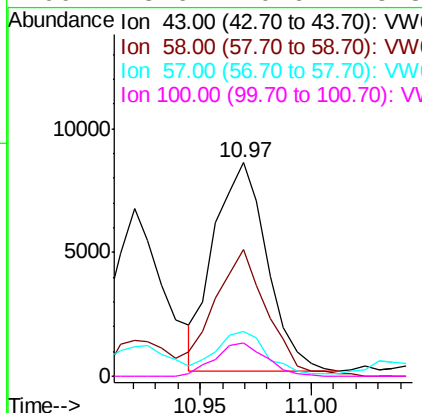
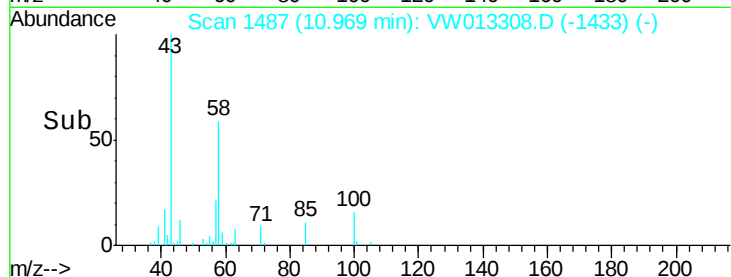
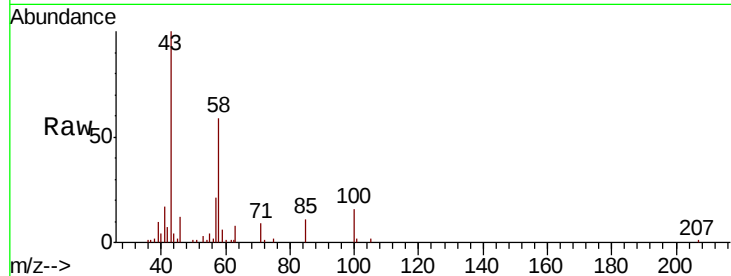
#49
2-Hexanone
Concen: 3.807 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.6	44.3	66.5
57	22.3	15.3	22.9
100	15.6	10.6	15.8

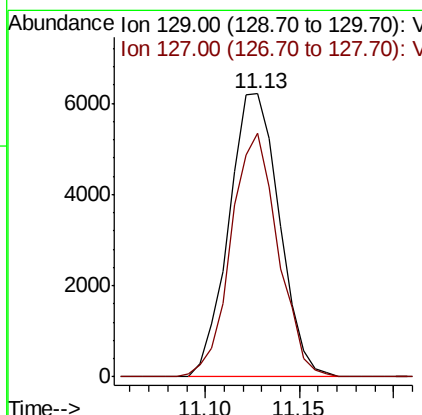
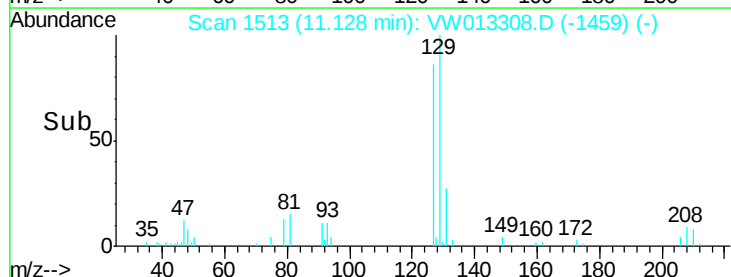
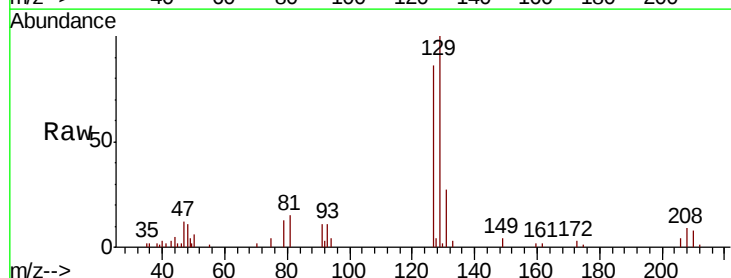
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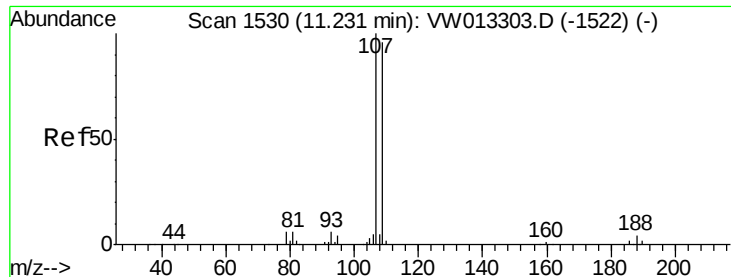
MMDadoda
10/9/2019 2:13:23 PM



#50
Dibromochloromethane
Concen: 1.951 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	86.2	56.1	104.1





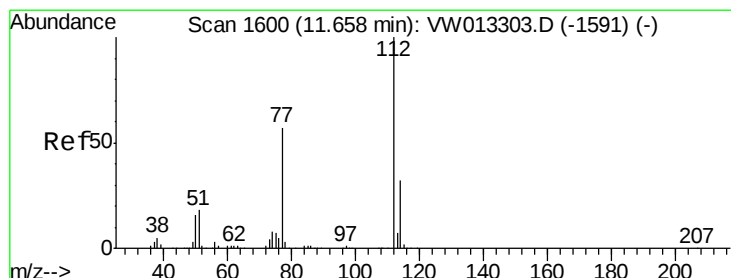
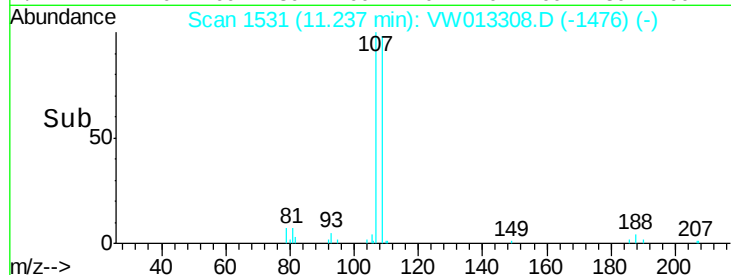
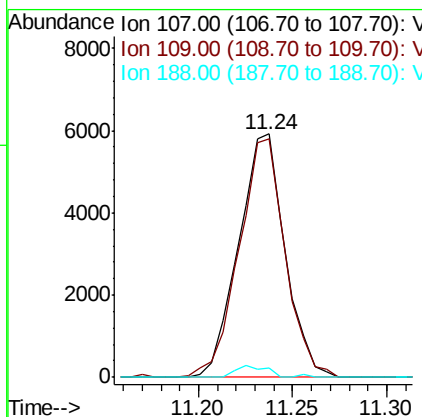
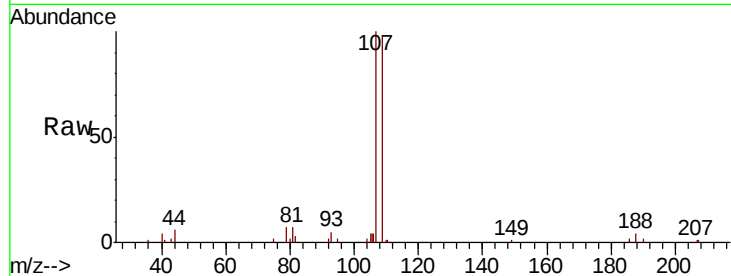
#51
 1,2-Dibromoethane
 Concen: 1.983 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	97.8	65.5	121.6	
188	3.7	3.0	4.6	

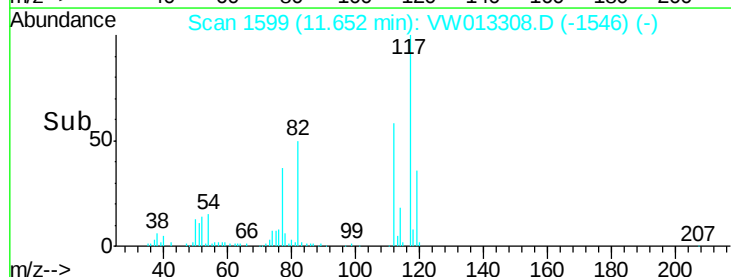
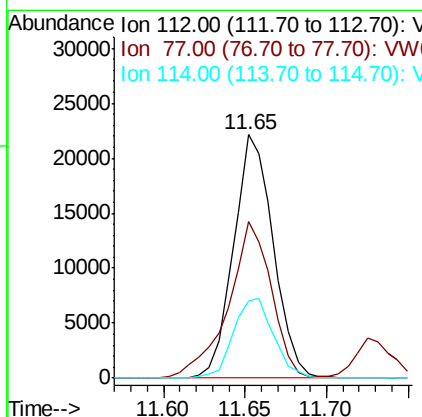
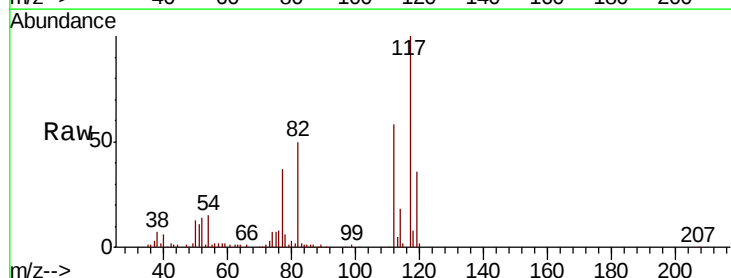
Manual Integrations
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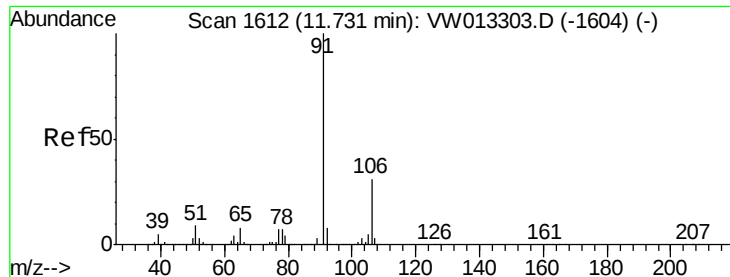
MMDadoda
 10/9/2019 2:13:23 PM



#52
 Chlorobenzene
 Concen: 2.033 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
77	64.2	46.5	69.7	
114	31.7	23.0	42.8	





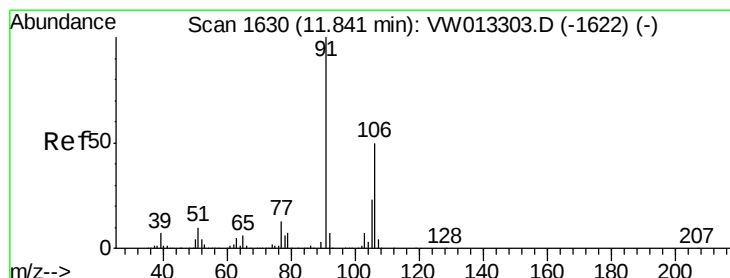
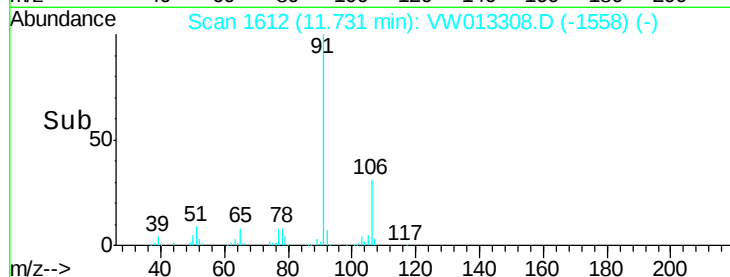
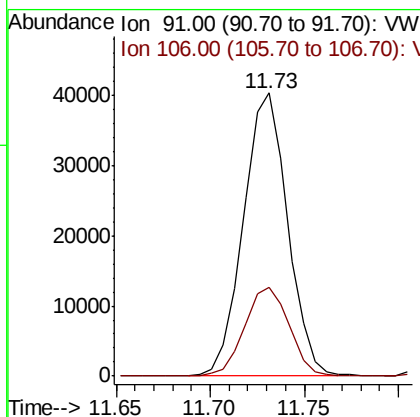
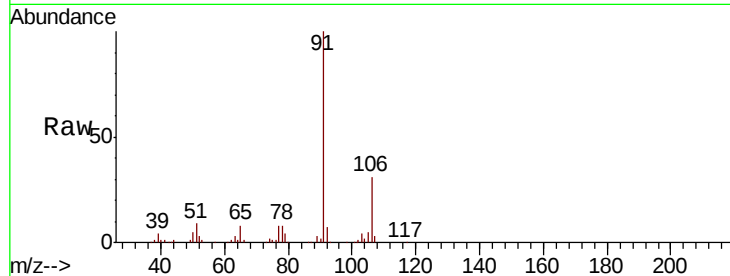
#53
Ethylbenzene
Concen: 2.023 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion: 91 Resp: 65556
Ion Ratio Lower Upper
91 100
106 31.4 20.8 38.6

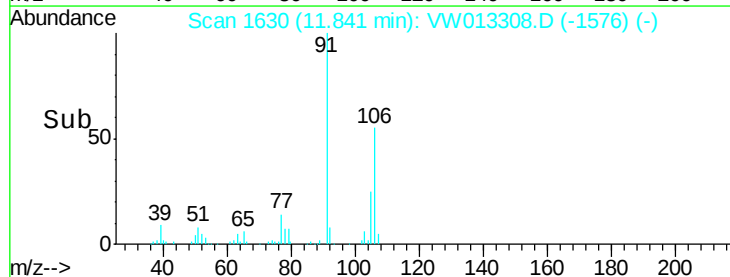
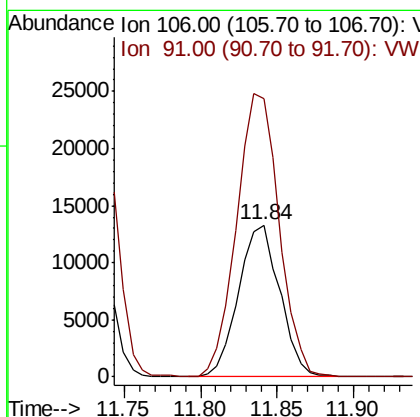
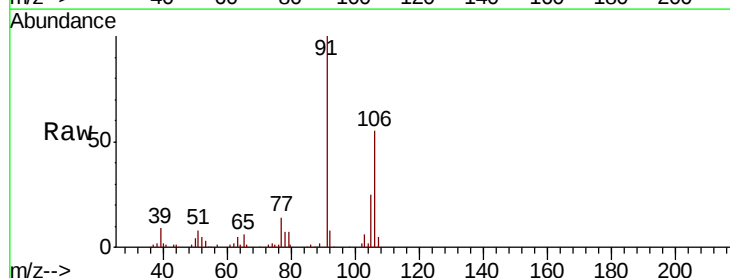
Manual Integrations
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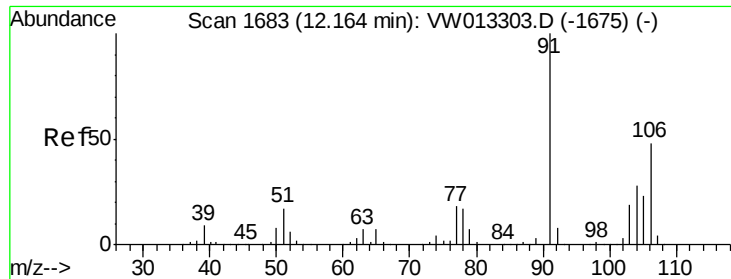
MMDadoda
10/9/2019 2:13:23 PM



#54
m,p-Xylene
Concen: 2.013 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion: 106 Resp: 25049
Ion Ratio Lower Upper
106 100
91 183.3 138.3 256.9





#55

o-xylene

Concen: 1.951 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

MDL04

Tot Ion:106 Resp: 22910

Ion Ratio Lower Upper

106 100

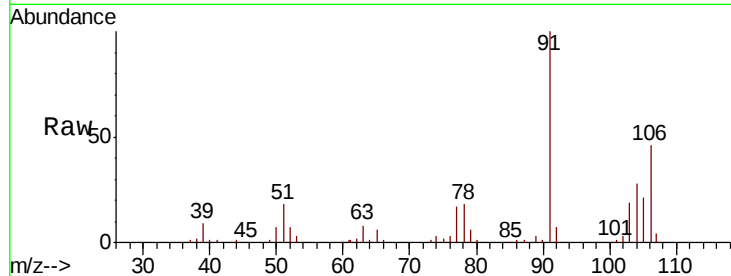
91 217.9 145.9 271.1

Manual Integrations

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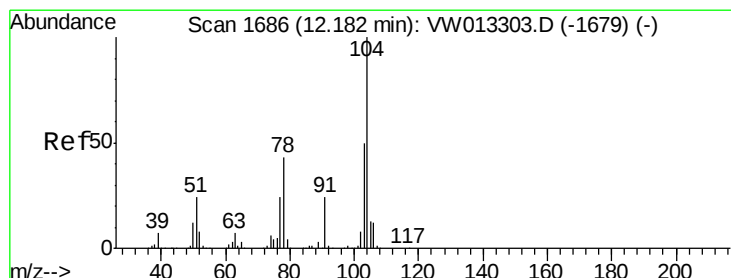
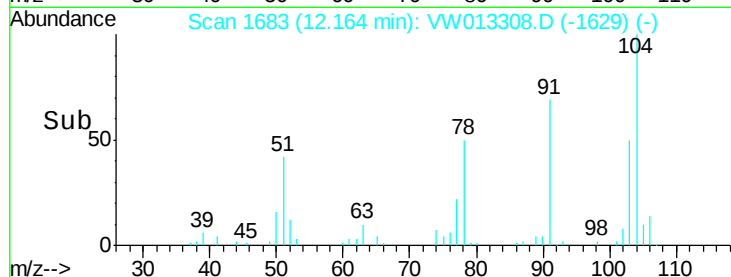
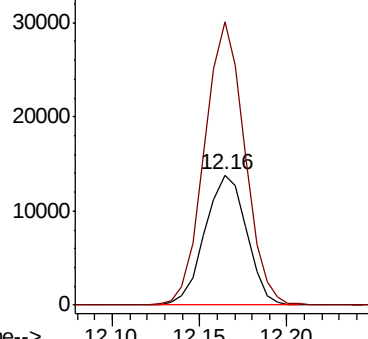
MMDadoda

10/9/2019 2:13:23 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.915 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013308.D

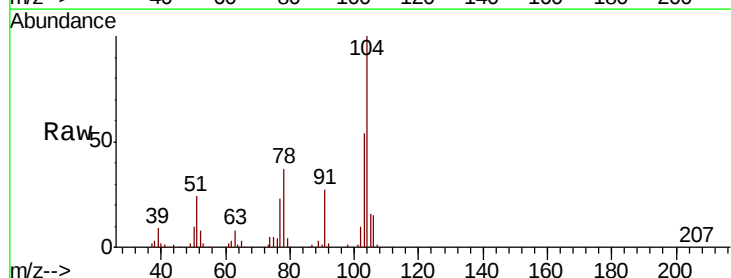
Acq: 26 Sep 2019 17:00

Tgt Ion:104 Resp: 38549

Ion Ratio Lower Upper

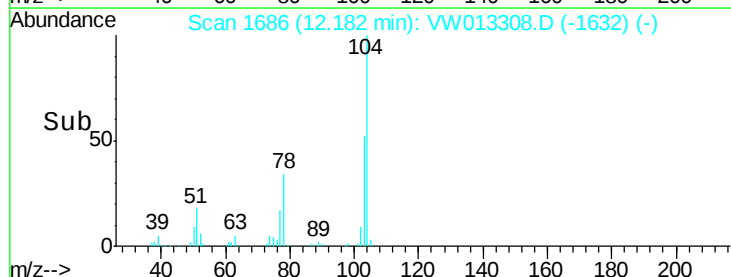
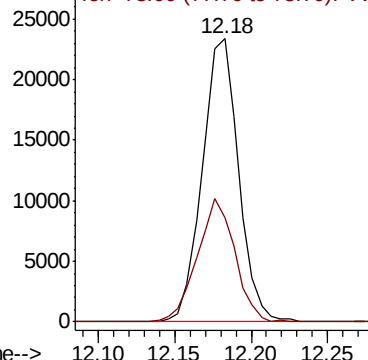
104 100

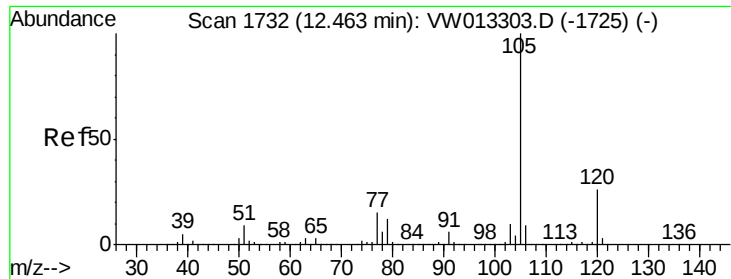
78 36.9 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 1.949 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

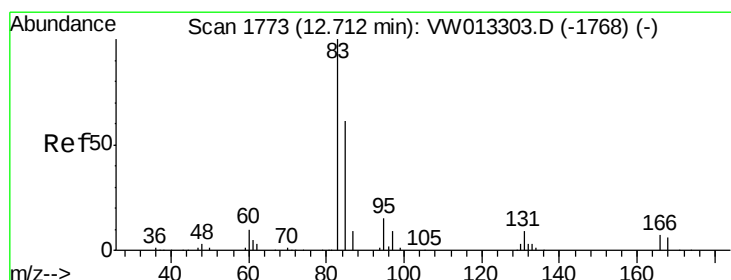
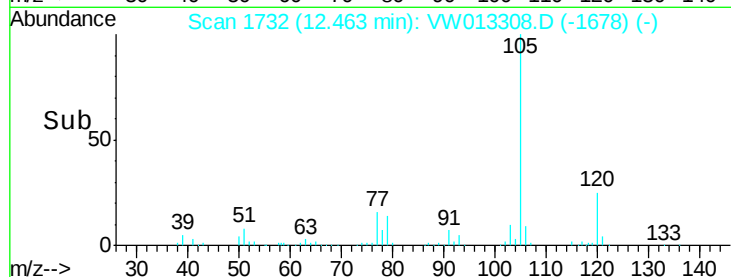
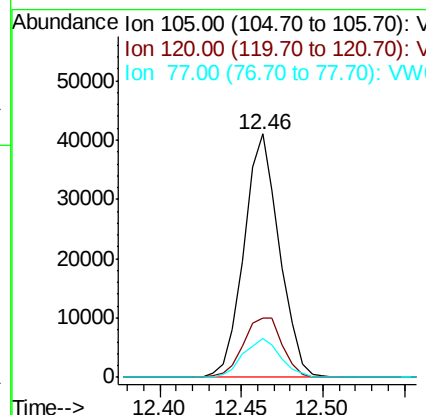
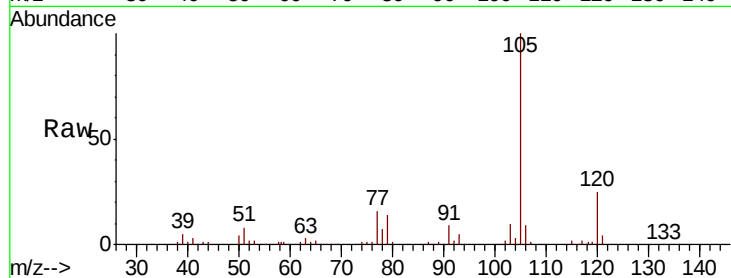
ClientSampled :

MDL04

Tot Ion:	105	Resp:	61868
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.4	32.2
77	16.9	11.8	17.6

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.949 ug/L

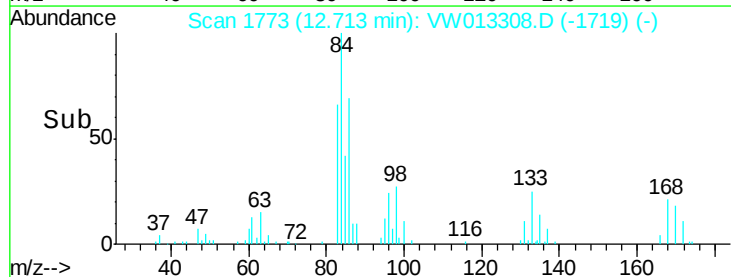
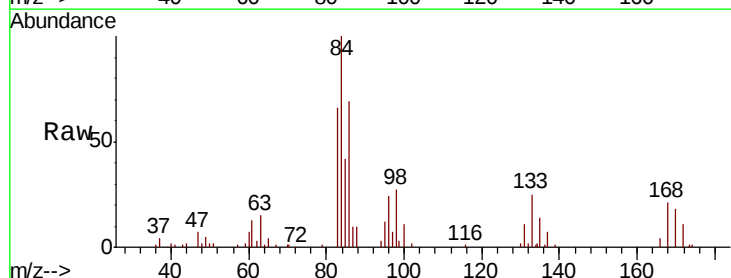
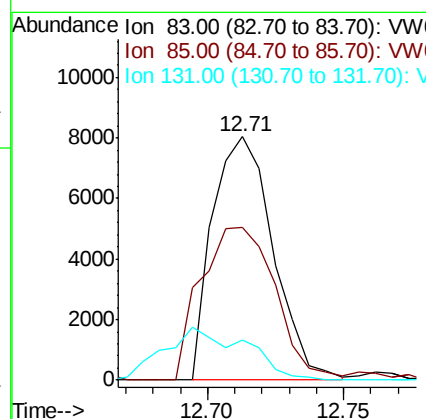
RT: 12.71 min Scan# 1773

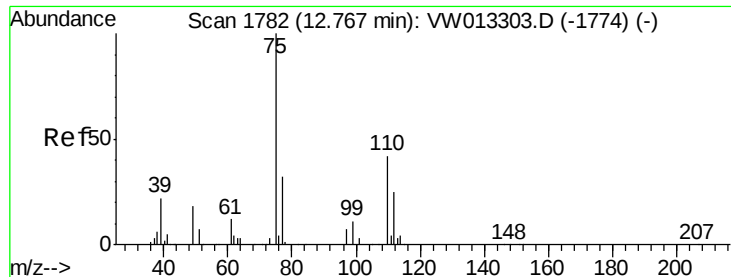
Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion:	83	Resp:	12425
Ion Ratio	Lower	Upper	
83	100		
85	62.7	45.2	84.0
131	16.3	8.9	13.3#





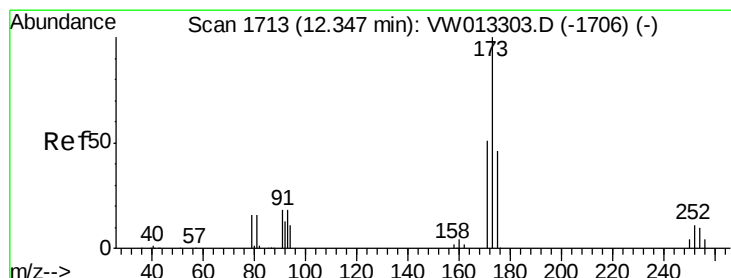
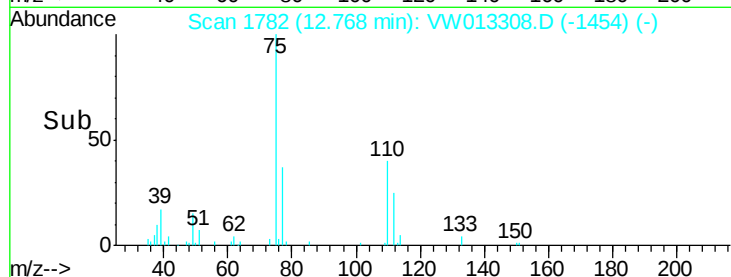
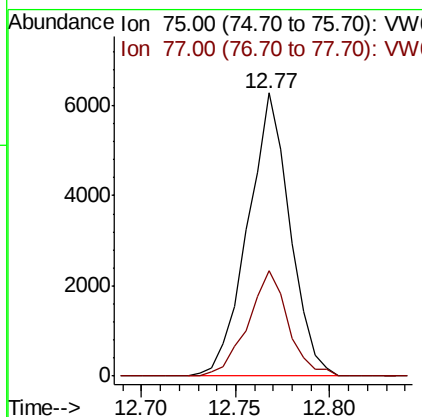
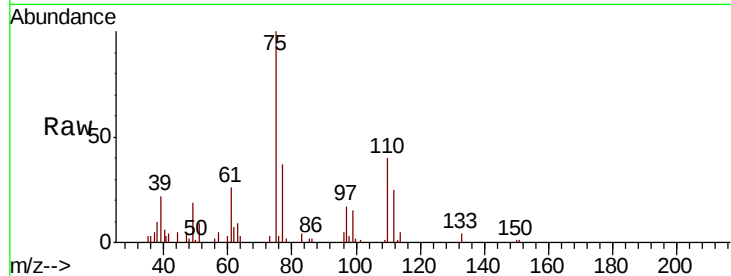
#59
 1,2,3-Trichloropropane
 Concen: 2.044 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 9727
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.8 38.8

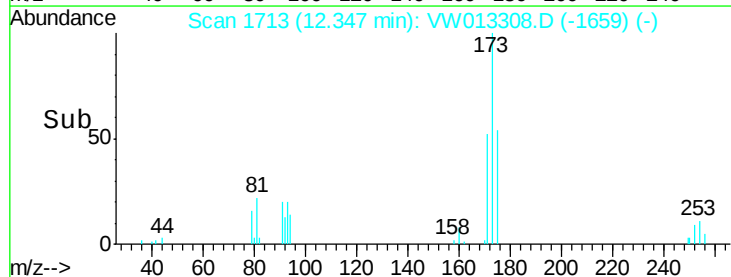
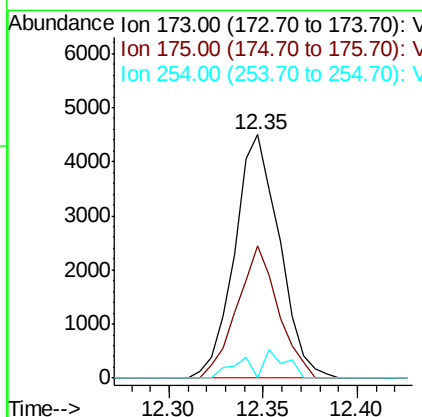
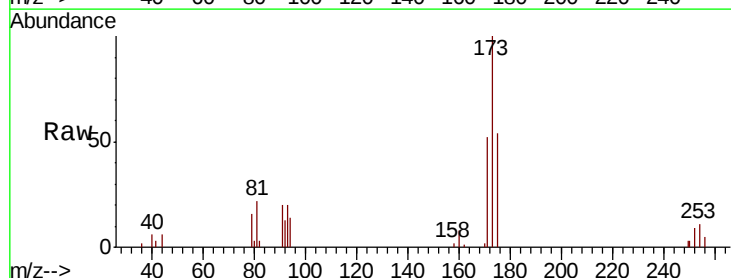
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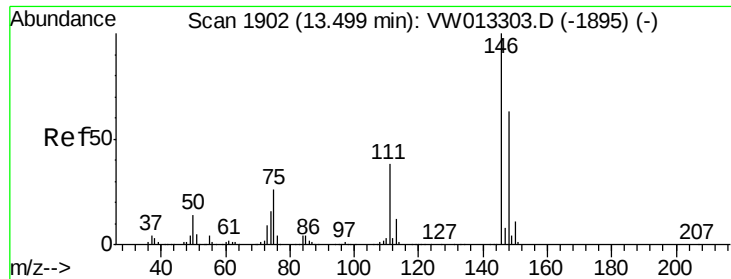
MMDadoda
 10/9/2019 2:13:23 PM



#62
 Bromoform
 Concen: 1.972 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion: 173 Resp: 7418
 Ion Ratio Lower Upper
 173 100
 175 50.0 39.3 58.9
 254 5.6 9.1 13.7#





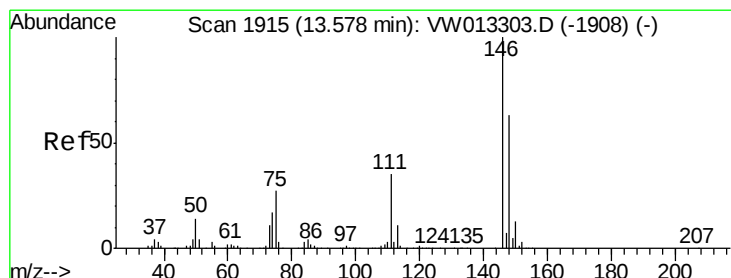
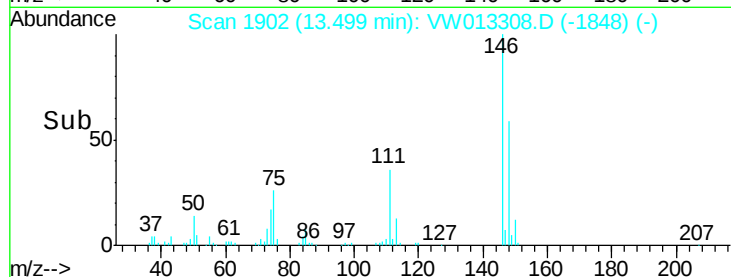
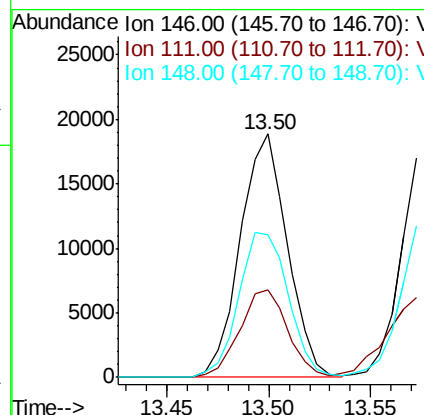
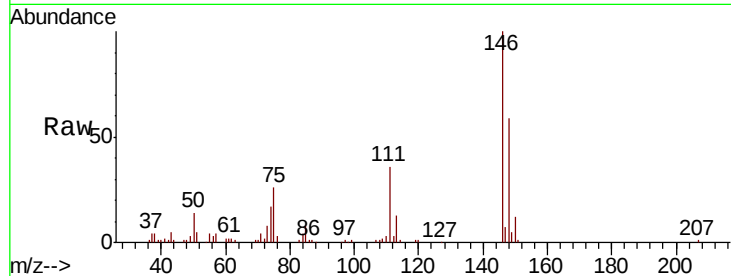
#63
 1,3-Dichlorobenzene
 Concen: 2.063 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	26.7	49.5
148	58.8	45.0	83.6

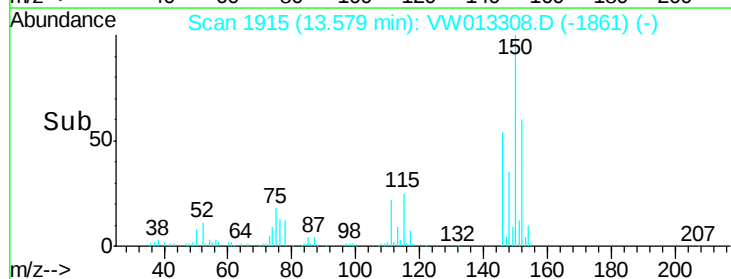
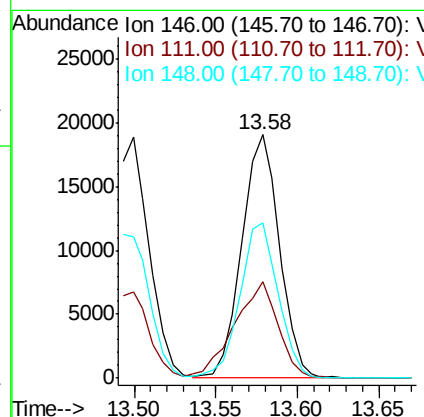
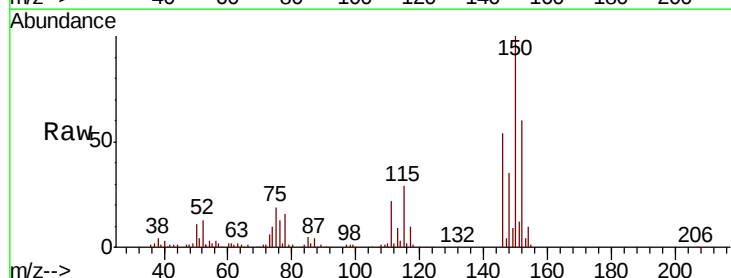
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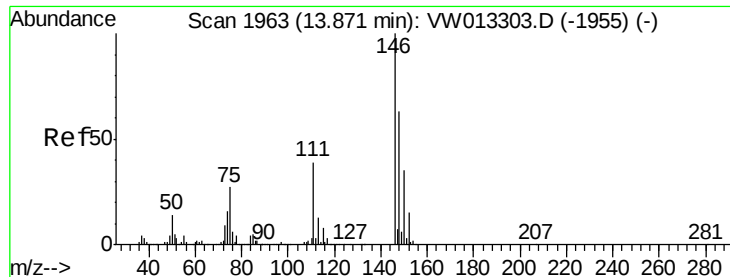
MMDadoda
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#64
 1,4-Dichlorobenzene
 Concen: 2.078 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	24.2	45.0
148	63.7	45.1	83.7





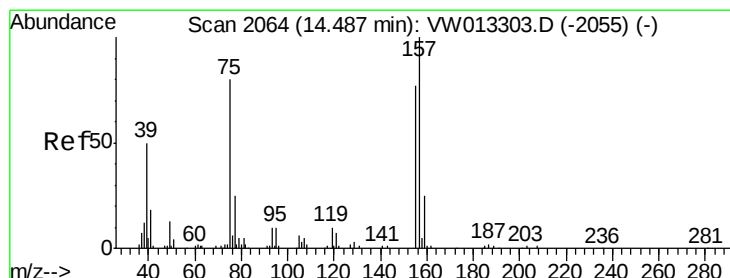
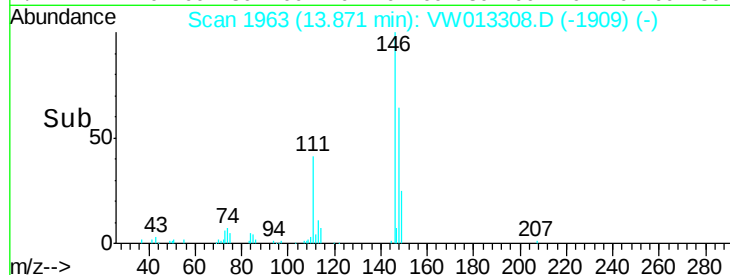
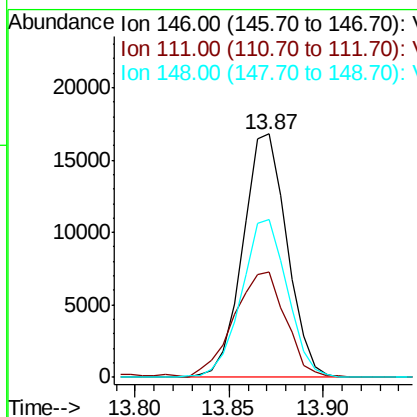
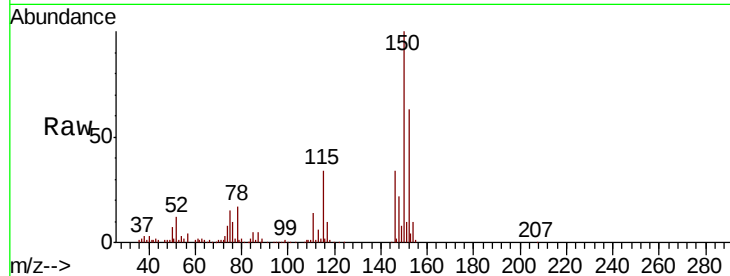
#65
 1,2-Dichlorobenzene
 Concen: 2.053 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	30.8	46.2
148	64.8	52.5	78.7

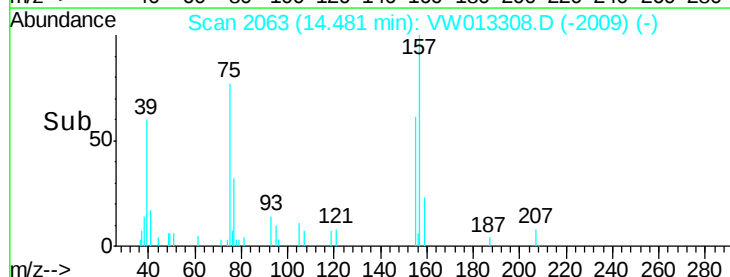
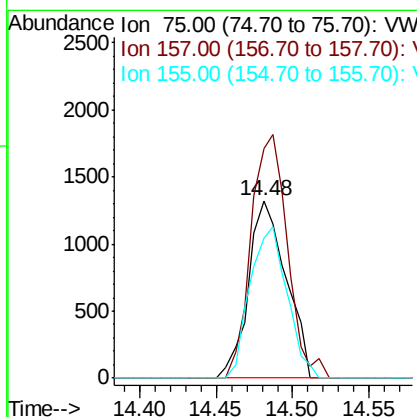
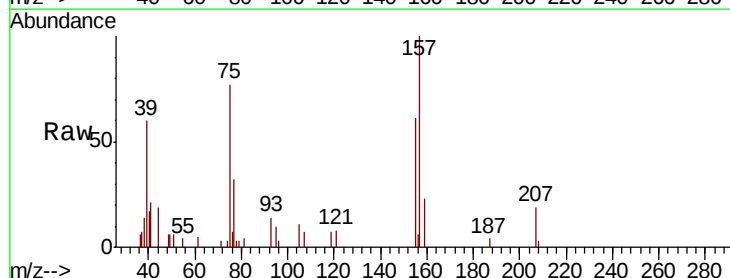
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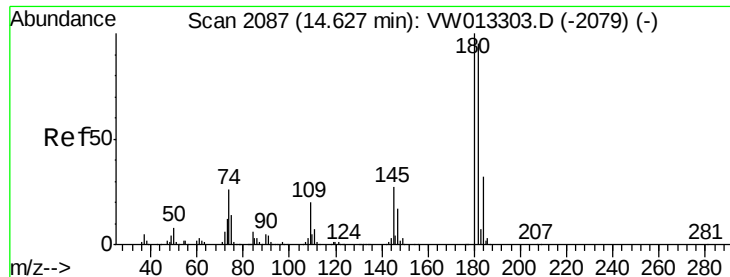
MMDadoda
 10/9/2019 2:13:23 PM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.151 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
157	129.2	97.8	146.8
155	78.9	78.4	117.6





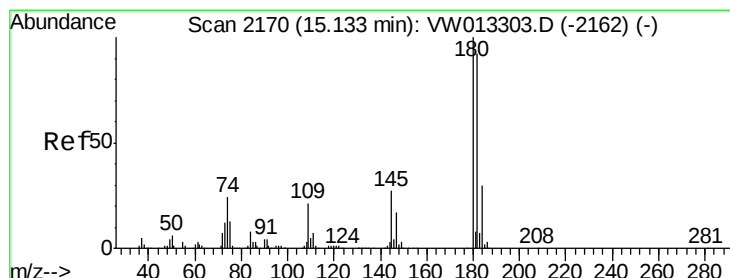
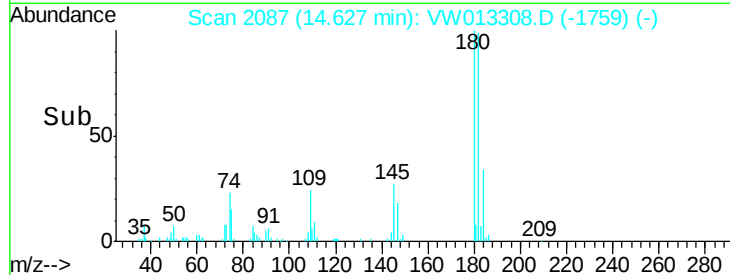
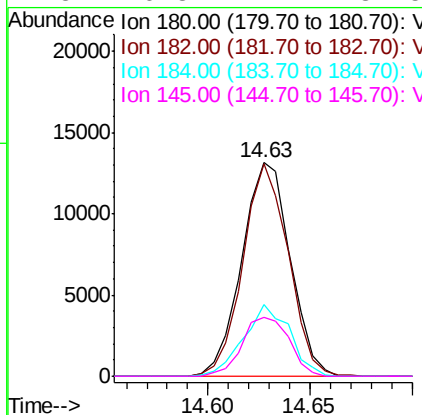
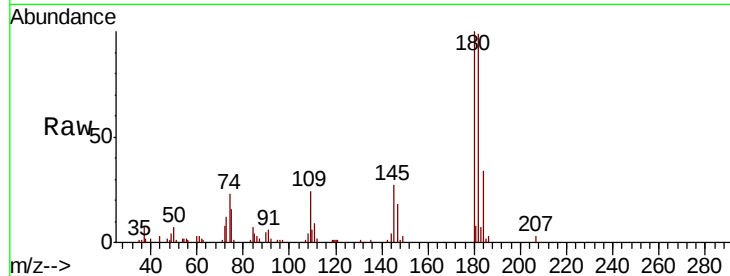
#67
 1,3,5-Trichlorobenzene
 Concen: 1.927 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion:	180	Resp:	21707
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.4	114.6
184	32.2	23.9	35.9
145	26.8	21.7	32.5

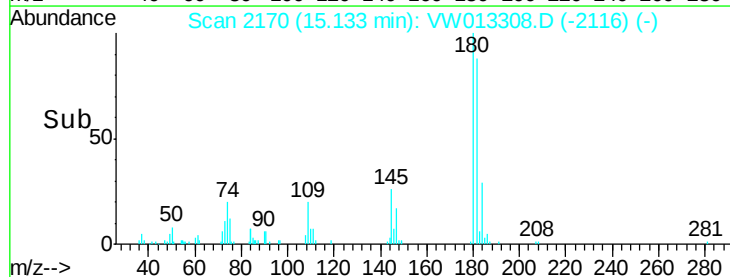
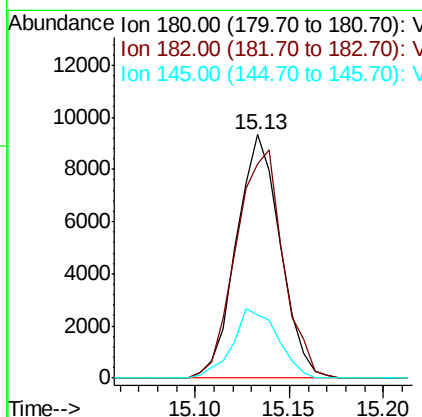
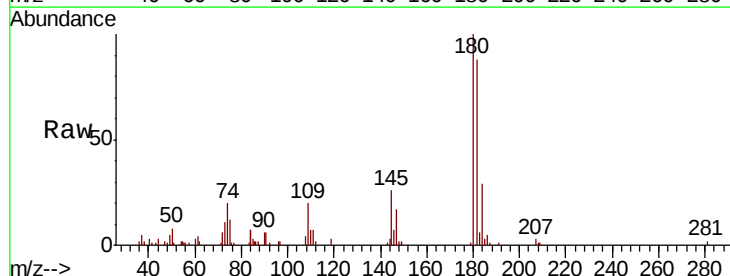
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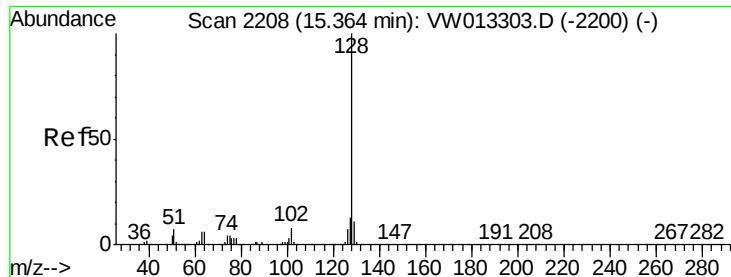
MMDadoda
 10/9/2019 2:13:23 PM



#68
 1,2,4-trichlorobenzene
 Concen: 1.681 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion:	180	Resp:	15114
Ion	Ratio	Lower	Upper
180	100		
182	100.3	75.9	113.9
145	29.2	23.0	34.4





#69

Naphthalene

Concen: 1.477 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

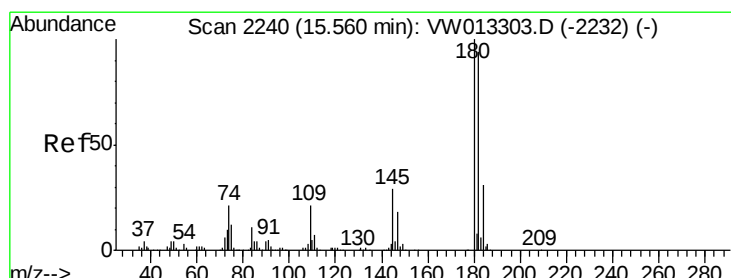
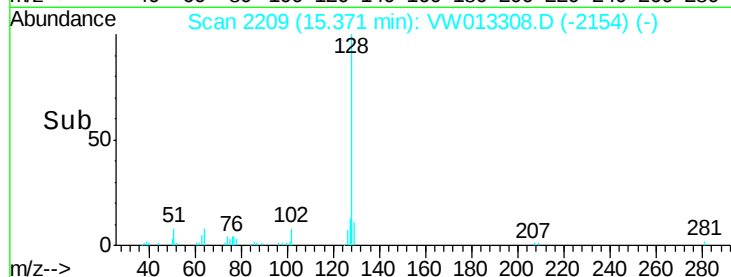
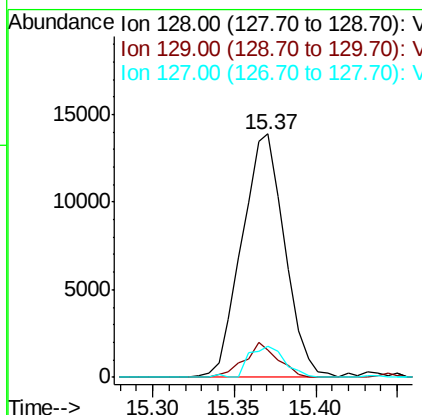
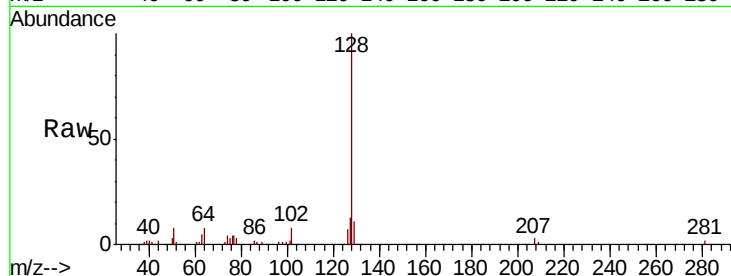
ClientSampleId :

MDL04

Tot Ion:	128	Resp:	25371
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.7	13.1
127	10.5	10.6	15.8#

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 1.714 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion:	180	Resp:	14023
Ion Ratio	Lower	Upper	
180	100		
182	96.8	78.2	117.4
145	29.7	24.1	36.1

