

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013307.D
 Acq On : 26 Sep 2019 15:18
 Operator : SY/VA
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:19 PM

Quant Time: Sep 27 08:33:46 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	401939	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348483	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	129990	27.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.48%
7) Chloroethane-d5	2.88	69	97438	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.32%
10) 1,1-Dichloroethene-d2	4.01	63	192320	20.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.52%
20) 2-Butanone-d5	7.07	46	106793	64.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.94%
24) Chloroform-d	7.65	84	220470	24.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	8.30	65	123592	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	8.27	84	493695	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
33) 1,2-Dichloropropane-d6	9.27	67	145305	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.08%
37) Toluene-d8	10.32	98	461096	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	10.58	79	63795	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.72%
39) 2-Hexanone-d5	10.92	63	81273	65.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135225	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	161097	26.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4106m	1.632	ug/L	
3) Chloromethane	2.21	50	7447	2.209	ug/L	93
5) Vinyl chloride	2.35	62	10283	2.206	ug/L #	47
6) Bromomethane	2.77	94	6180	2.085	ug/L	97
8) Chloroethane	2.92	64	6139	2.171	ug/L	89
9) Trichlorofluoromethane	3.25	101	4777	1.653	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11202	2.454	ug/L #	63
12) 1,1-Dichloroethene	4.04	96	11843	2.556	ug/L #	1
13) Acetone	4.13	43	8927m	6.475	ug/L	
14) Carbon disulfide	4.38	76	26950	2.049	ug/L	98
15) Methyl Acetate	4.67	43	6817m	2.562	ug/L	
16) Methylene chloride	4.92	84	19768	3.292	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	17155	2.141	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	11292	2.279	ug/L	95
19) 1,1-Dichloroethane	6.21	63	18304	2.106	ug/L	97
21) 2-Butanone	7.18	43	10902	5.490	ug/L	85
22) cis-1,2-Dichloroethene	7.16	96	11316	2.096	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	4697	1.934	ug/L	85
25) Chloroform	7.67	83	19660	2.302	ug/L	85
27) 1,2-Dichloroethane	8.40	62	12019	2.149	ug/L	99
30) Cyclohexane	7.95	56	19261	2.301	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	15004	2.243	ug/L	99
32) Carbon tetrachloride	8.06	117	14229	2.231	ug/L	97
34) Benzene	8.32	78	43287	2.216	ug/L	100
35) Trichloroethene	9.09	95	11605	2.261	ug/L	98
36) Methylcyclohexane	9.34	83	20084	2.197	ug/L	98
40) 1,2-Dichloropropane	9.37	63	10367	2.157	ug/L	99
41) Bromodichloromethane	9.65	83	11977	2.031	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	15989	2.083	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	21329	5.796	ug/L	99
44) Toluene	10.38	91	49127	2.310	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	14218m	2.304	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8792	2.335	ug/L	93
47) Tetrachloroethene	10.86	164	11118	2.407	ug/L	96
49) 2-Hexanone	10.97	43	14074	5.321	ug/L	97
50) Dibromochloromethane	11.13	129	9088	2.104	ug/L	98
51) 1,2-Dibromoethane	11.24	107	8395	2.269	ug/L #	86
52) Chlorobenzene	11.66	112	30110	2.247	ug/L	95
53) Ethylbenzene	11.73	91	51830	2.198	ug/L	100
54) m,p-Xylene	11.84	106	20173	2.228	ug/L	88
55) o-xylene	12.16	106	17698	2.072	ug/L	98
56) Styrene	12.18	104	30109	2.055	ug/L	99
57) Isopropylbenzene	12.46	105	49139	2.127	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11076	2.387	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	8537	2.466	ug/L	93
62) Bromoform	12.35	173	5740	2.119	ug/L	91
63) 1,3-Dichlorobenzene	13.50	146	23678	2.247	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	24317	2.284	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	22501	2.347	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	2279	3.019	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	18028	2.222	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	12549	1.938	ug/L	94
69) Naphthalene	15.36	128	23600	1.908	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	12210	2.073	ug/L	100

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

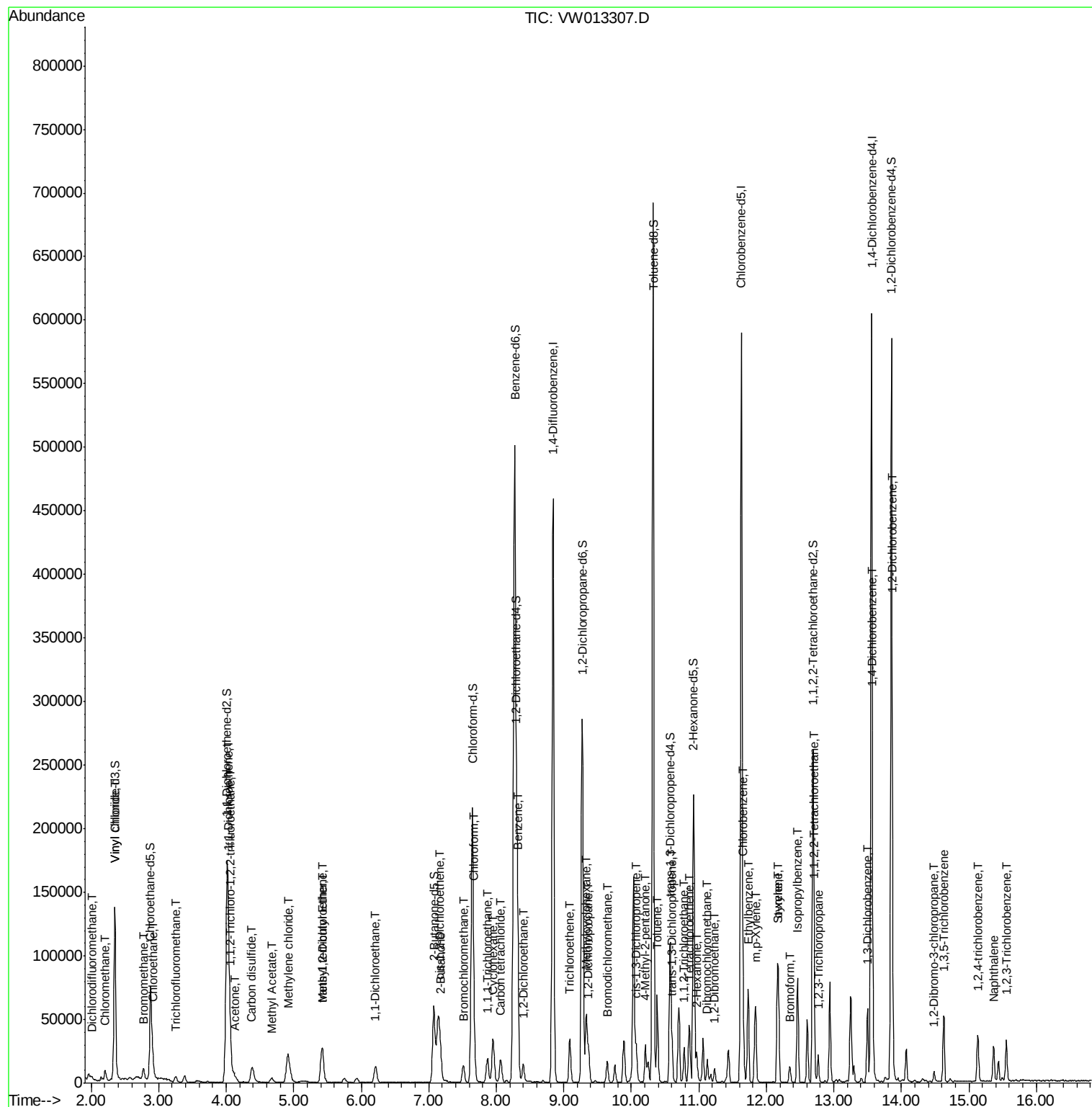
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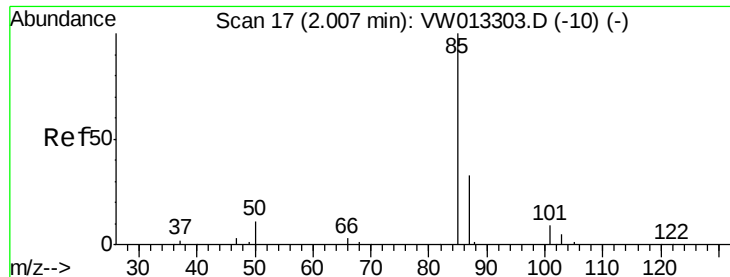
Instrument :
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#2

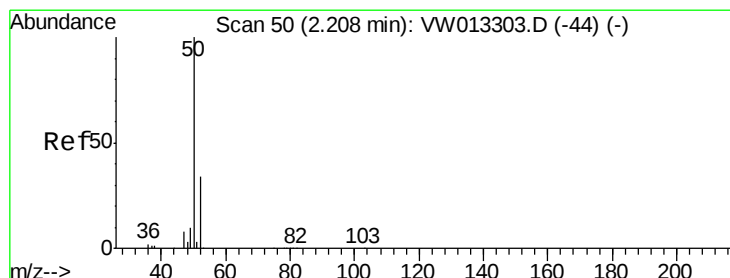
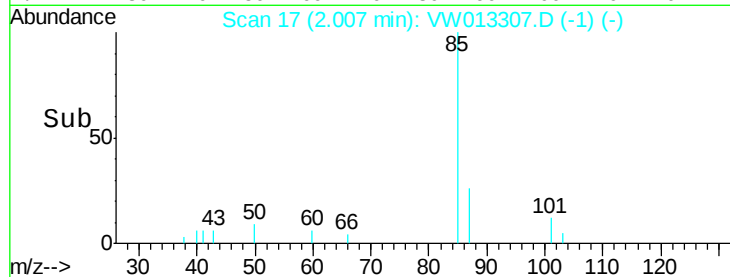
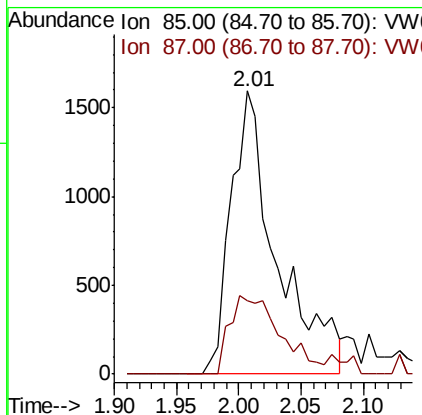
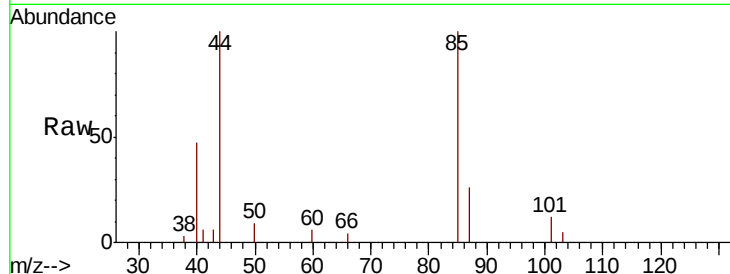
Dichlorodifluoromethane
Concen: 1.632 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion	85	Resp	4106
Ion Ratio	100	Lower	Upper
85	100		
87	0.9	21.3	39.6#

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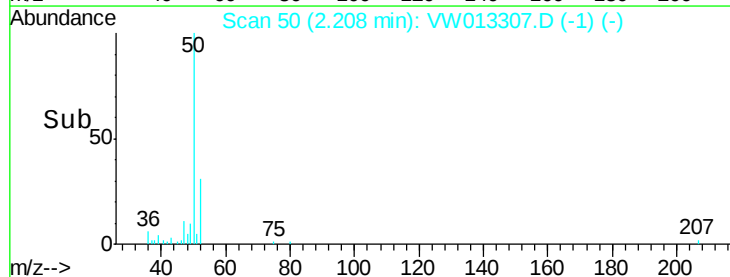
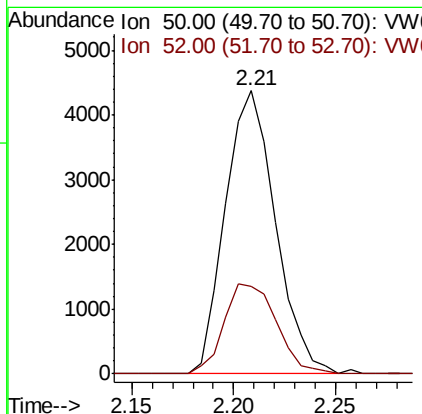
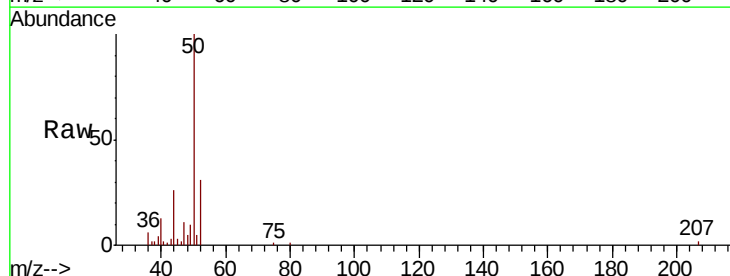
MMDadoda
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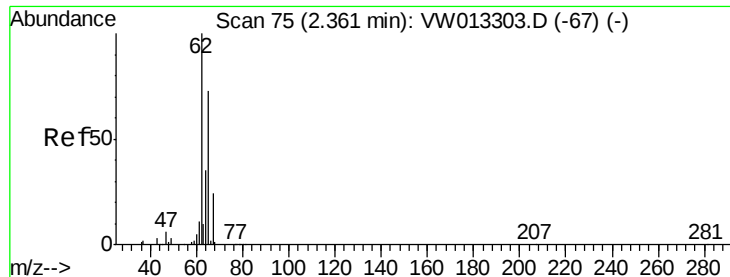


#3

Chloromethane
Concen: 2.209 ug/L
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion	50	Resp	7447
Ion Ratio	100	Lower	Upper
50	100		
52	30.9	24.4	45.4





#5

Vinyl chloride

Concen: 2.206 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

MDL03

Tot Ion: 62 Resp: 10283

Ion Ratio Lower Upper

62 100

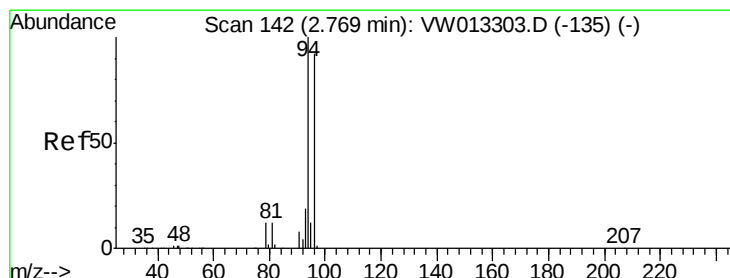
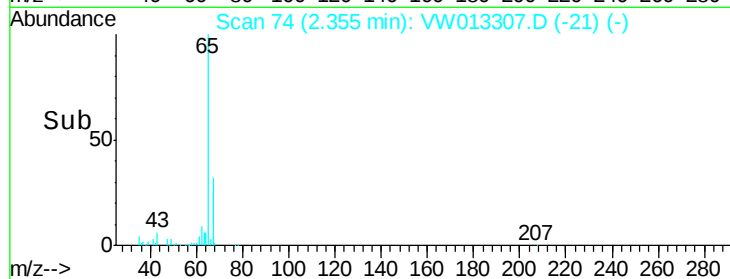
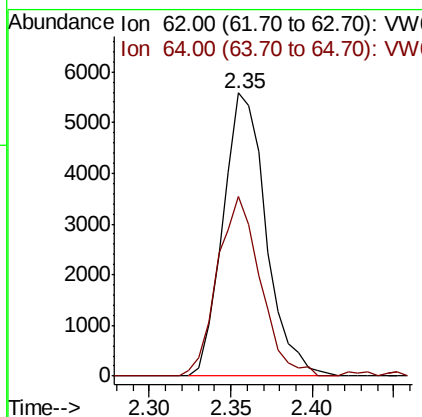
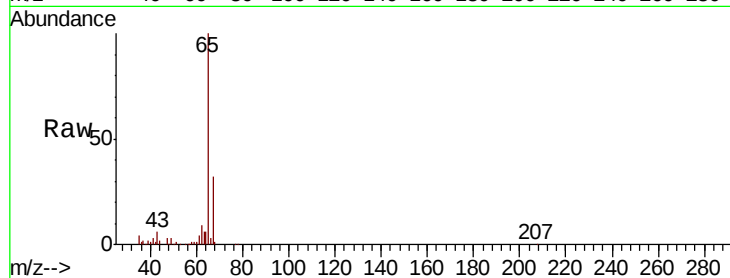
64 63.3 23.2 43.0#

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#6

Bromomethane

Concen: 2.085 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013307.D

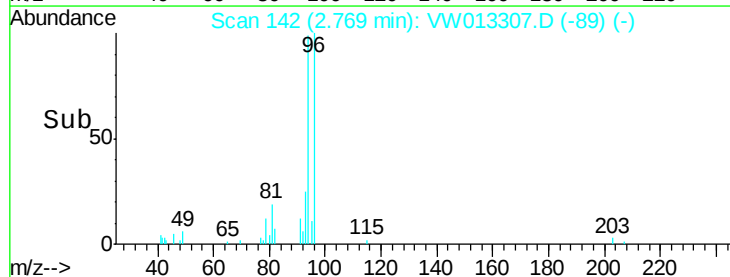
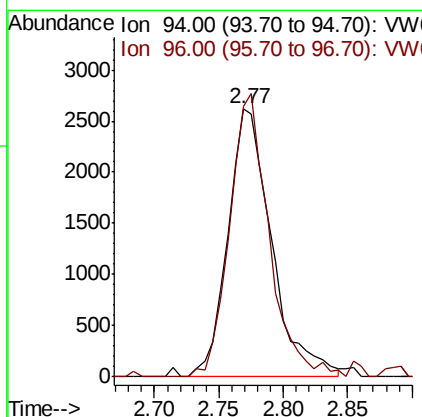
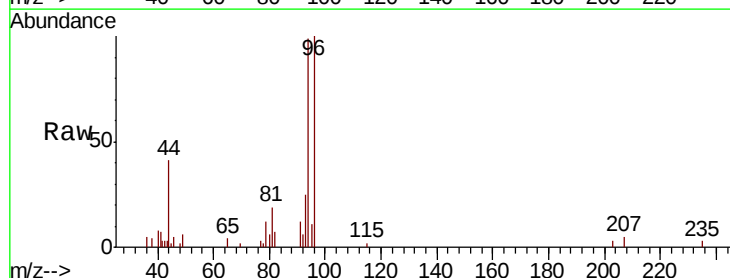
Acq: 26 Sep 2019 15:18

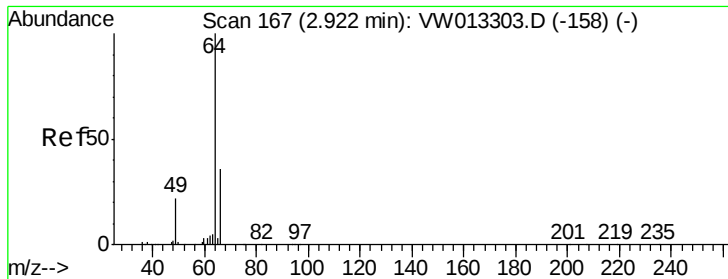
Tgt Ion: 94 Resp: 6180

Ion Ratio Lower Upper

94 100

96 94.1 9.7 184.3





#8

Chloroethane

Concen: 2.171 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

MDL03

Tot Ion: 64 Resp: 6139

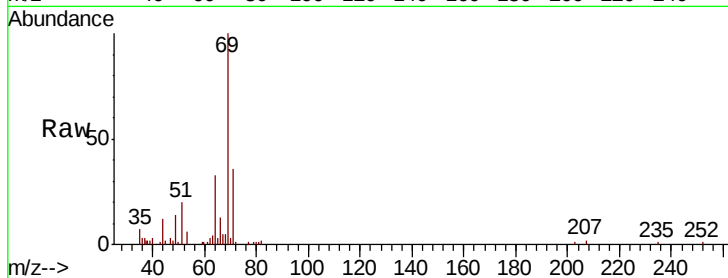
Ion Ratio Lower Upper

64 100

66 38.3 22.7 42.1

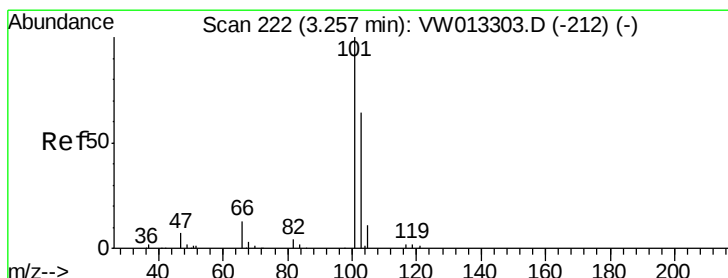
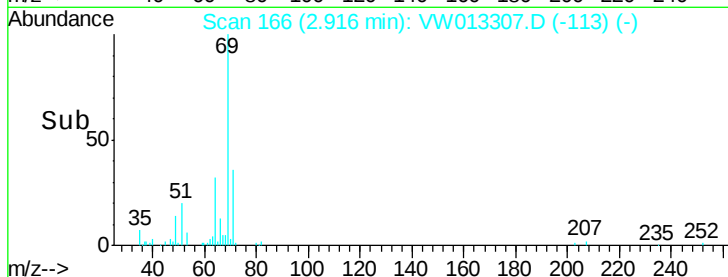
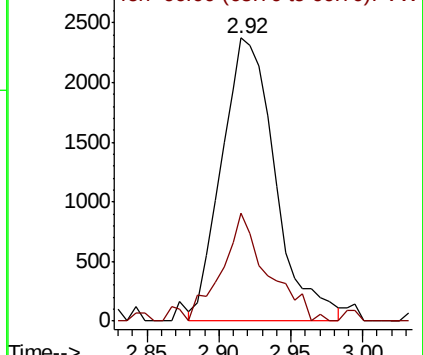
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Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 1.653 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013307.D

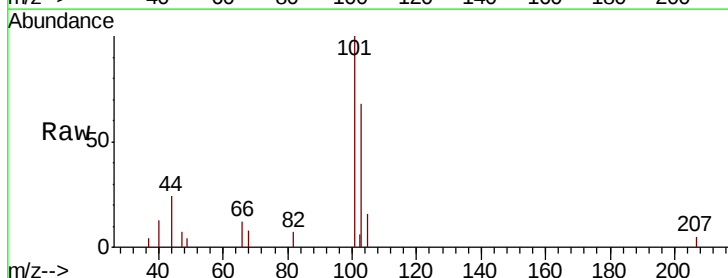
Acq: 26 Sep 2019 15:18

Tgt Ion: 101 Resp: 4777

Ion Ratio Lower Upper

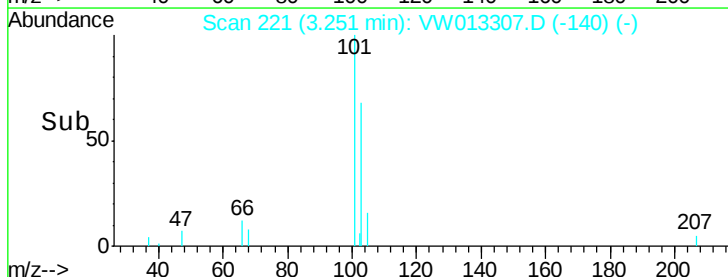
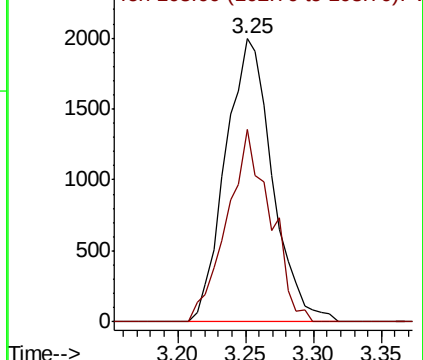
101 100

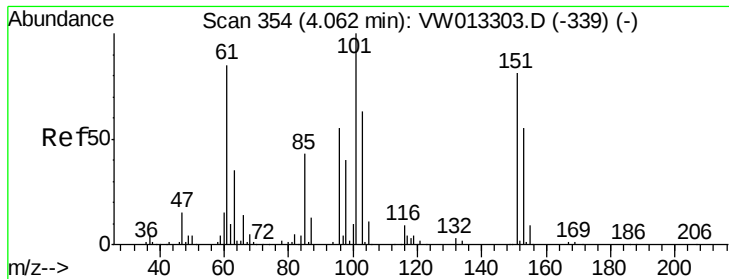
103 63.2 45.2 84.0



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: 2.454 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

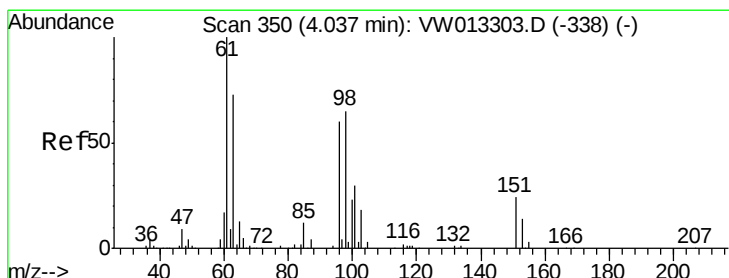
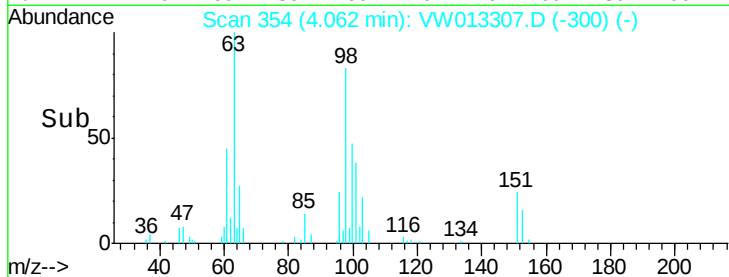
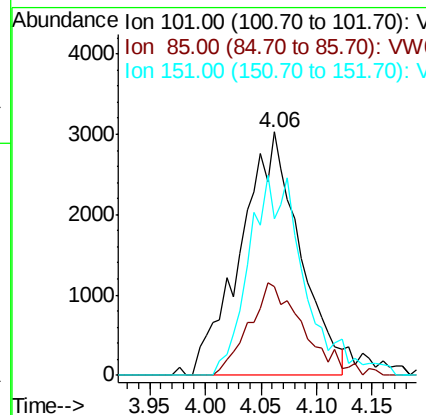
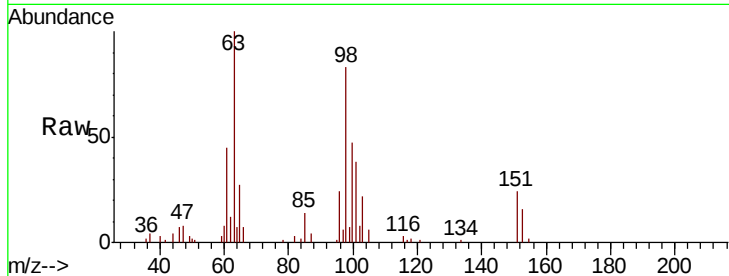
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	11202
Ion Ratio	Lower	Upper	
101	100		
85	32.5	31.8	47.8
151	37.6	65.4	98.0#

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#12

1,1-Dichloroethene

Concen: 2.556 ug/L

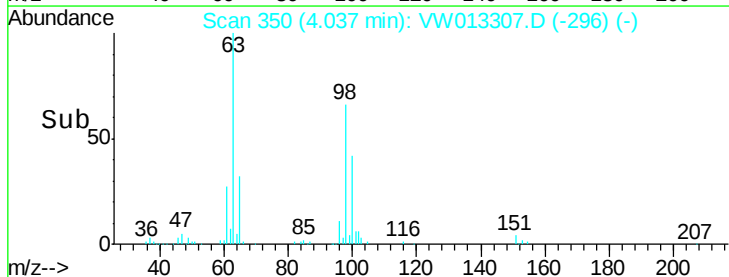
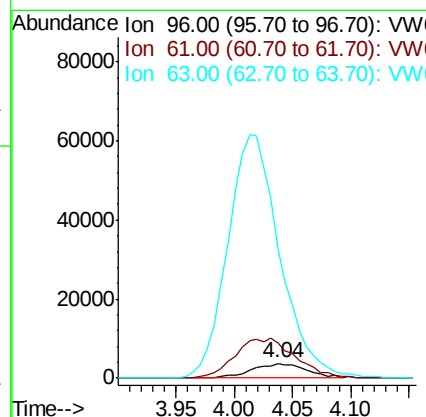
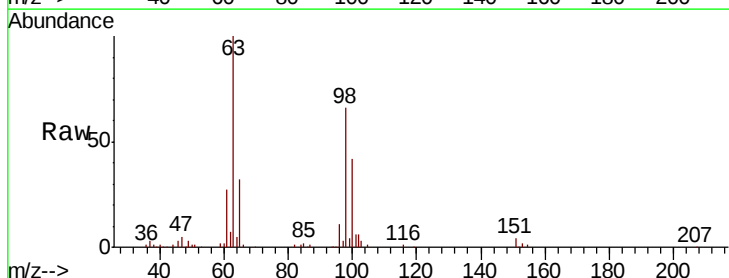
RT: 4.04 min Scan# 350

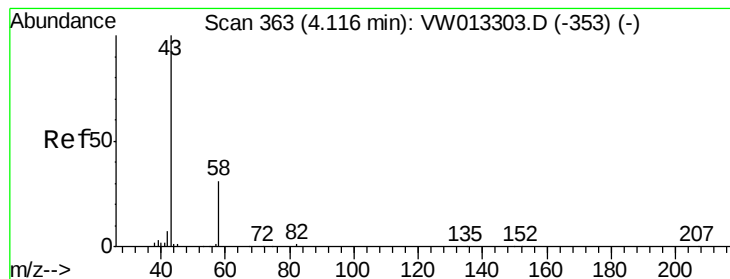
Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tgt Ion:	96	Resp:	11843
Ion Ratio	Lower	Upper	
96	100		
61	237.5	115.9	215.3#
63	888.1	88.9	165.1#





#13

Acetone

Concen: 6.475 ug/L m

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 8927

Ion Ratio Lower Upper

43 100

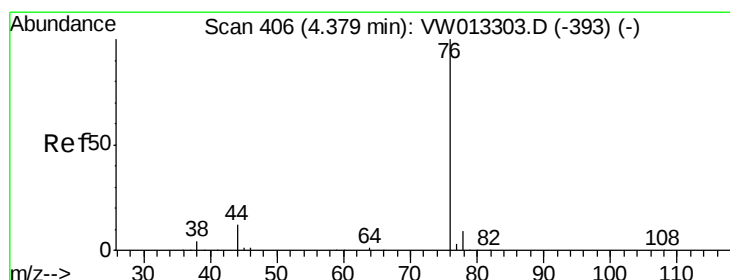
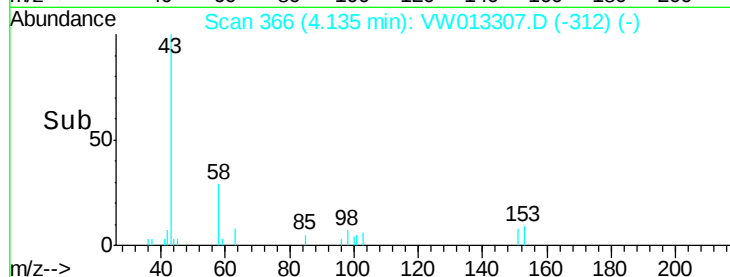
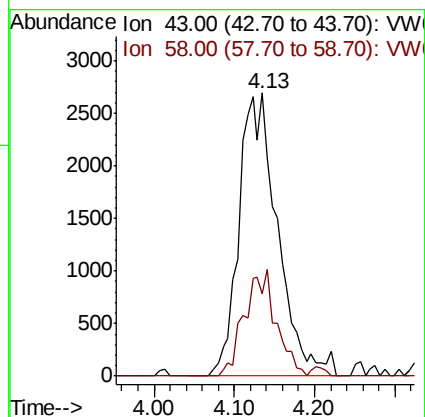
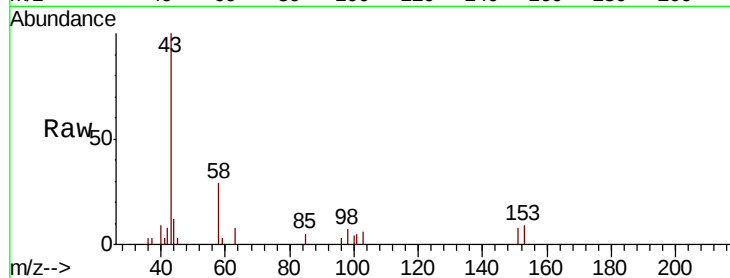
58 10.9 0.0 63.2

Manual Integrations

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#14

Carbon disulfide

Concen: 2.049 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013307.D

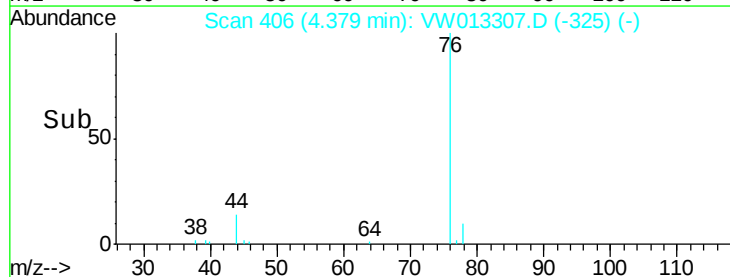
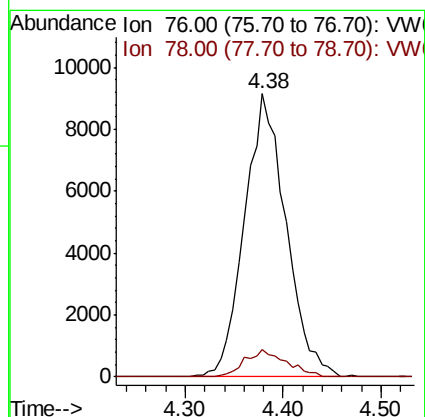
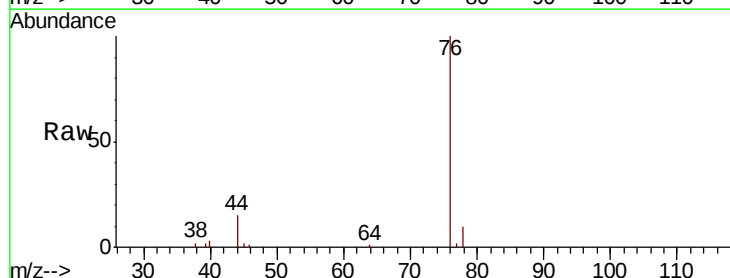
Acq: 26 Sep 2019 15:18

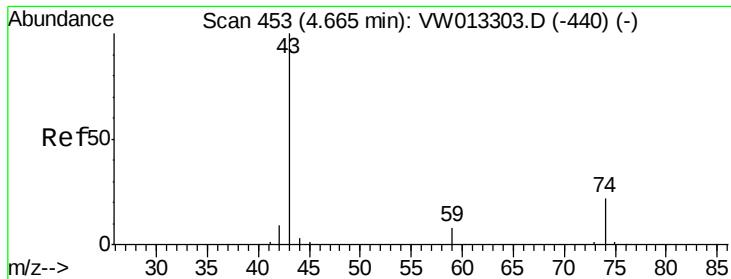
Tgt Ion: 76 Resp: 26950

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8





#15

Methyl Acetate

Concen: 2.562 ug/L m

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tot Ion: 43 Resp: 6817

Ion Ratio Lower Upper

43 100

74 11.1 18.7 28.1#

Instrument :

MSVOA_W

ClientSampled :

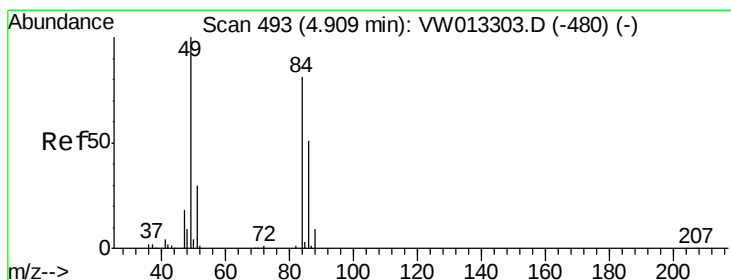
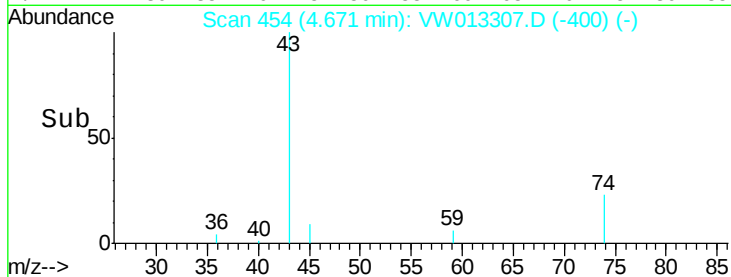
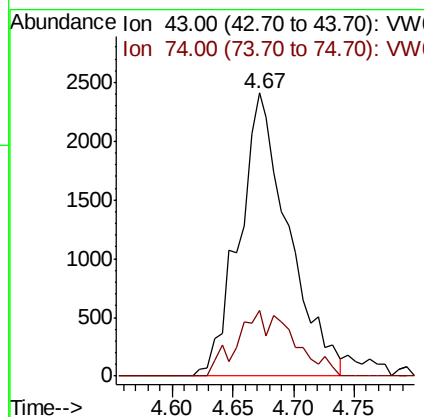
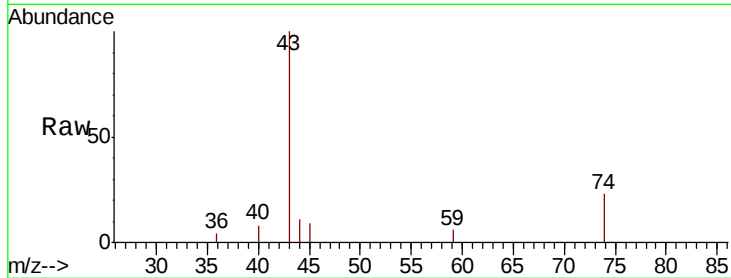
MDL03

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#16

Methylene chloride

Concen: 3.292 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

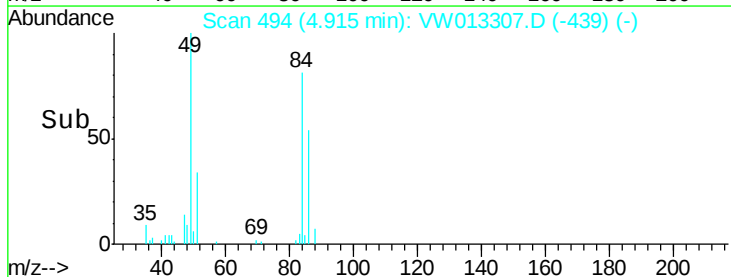
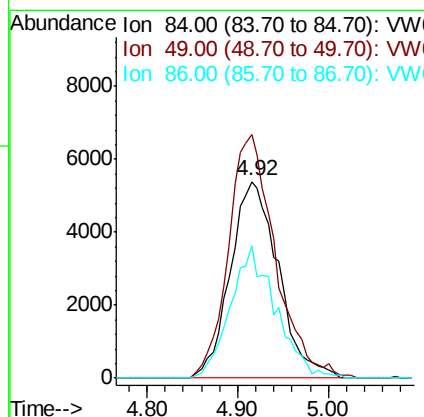
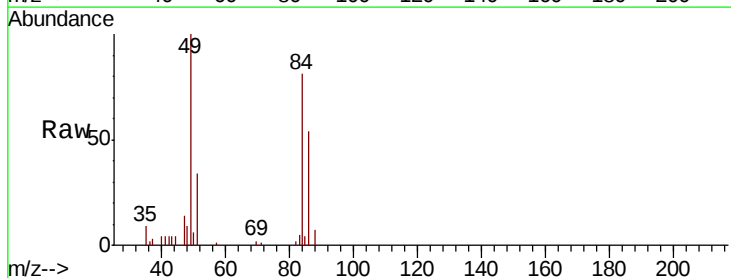
Tgt Ion: 84 Resp: 19768

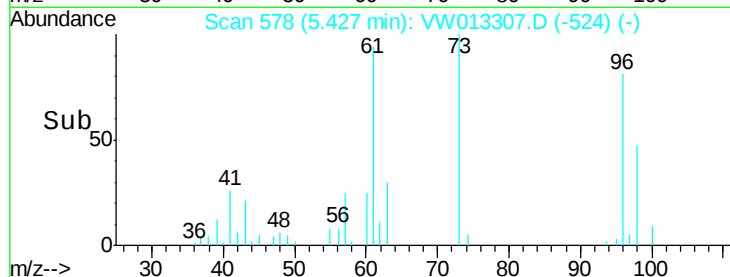
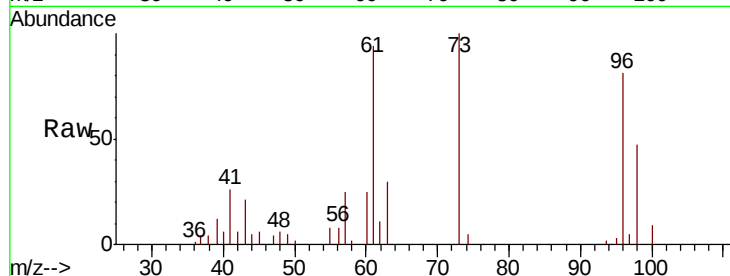
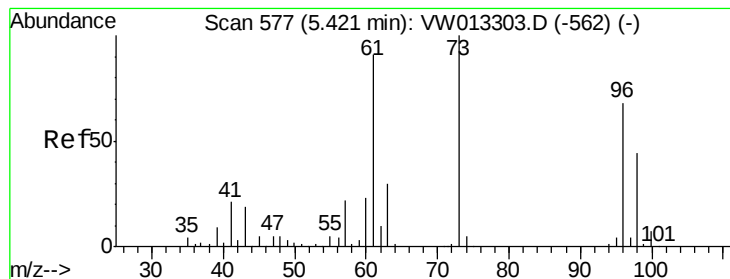
Ion Ratio Lower Upper

84 100

49 123.8 84.8 157.4

86 67.2 44.0 81.6





#17

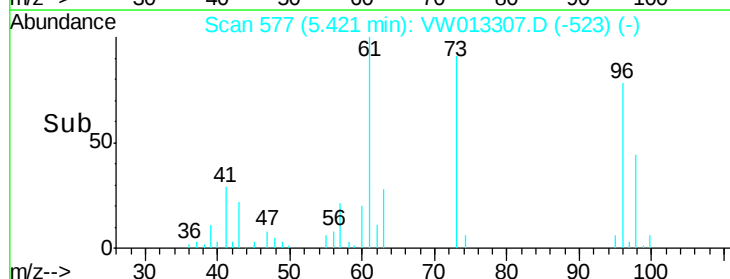
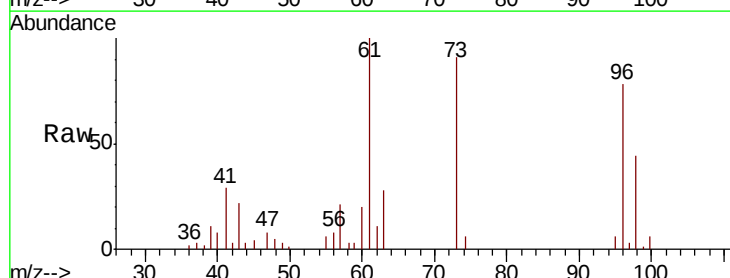
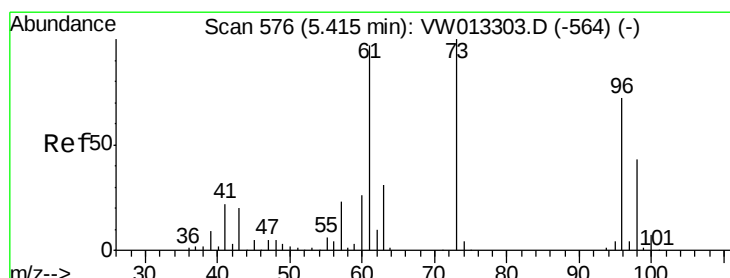
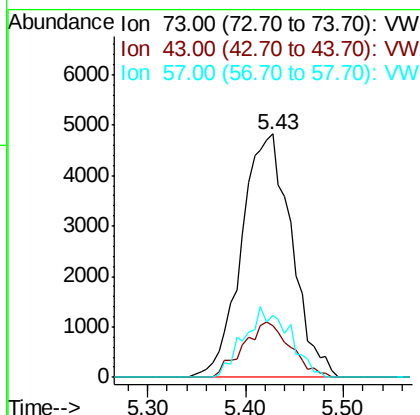
Methvl tert-butvl Ether
Concen: 2.141 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.3	22.9
57	13.9	18.2	27.4

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Manual Integrations
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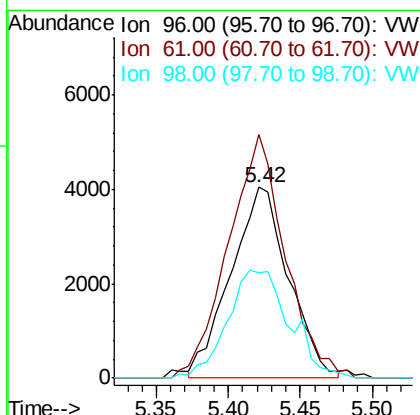
MMDadoda
10/9/2019 2:13:19 PM

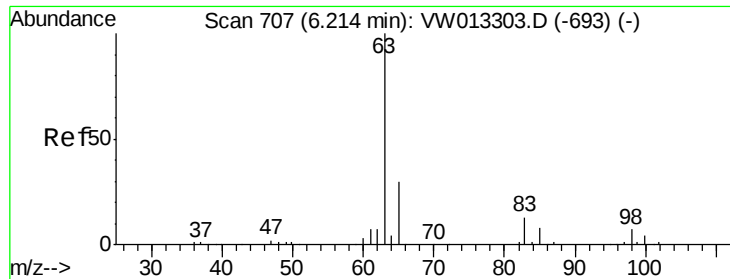


#18

trans-1,2-Dichloroethene
Concen: 2.279 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.7	91.2	169.4
98	55.6	44.7	82.9





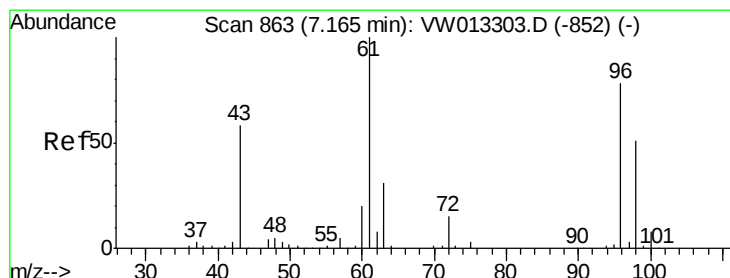
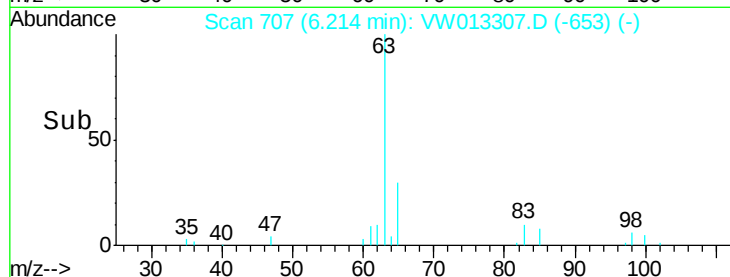
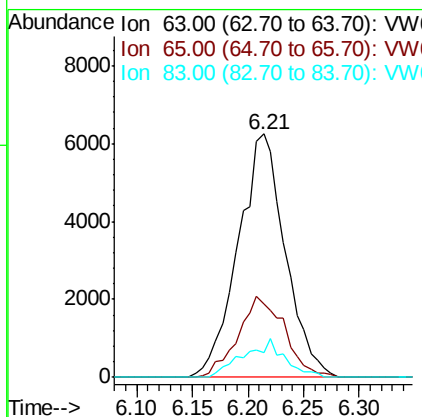
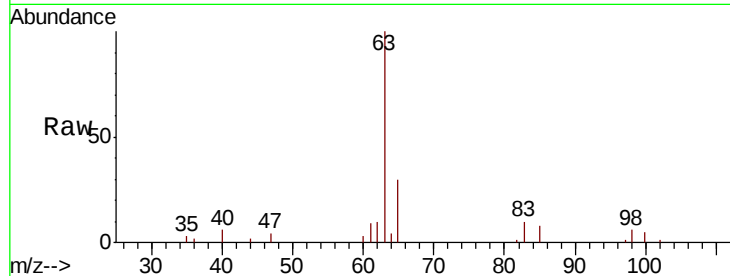
#19
 1,1-Dichloroethane
 Concen: 2.106 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	21.8	40.4
83	10.3	9.3	17.3

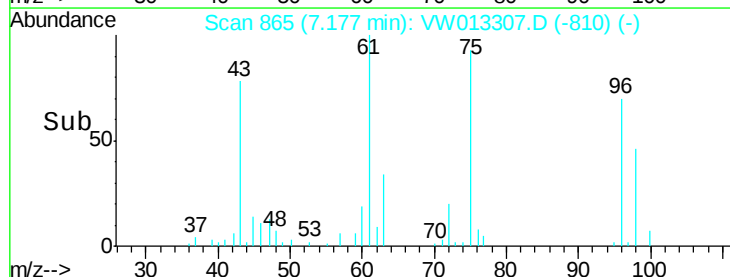
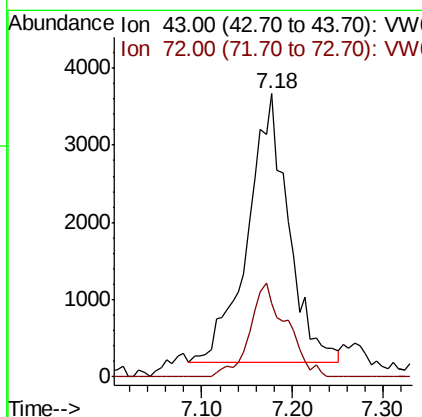
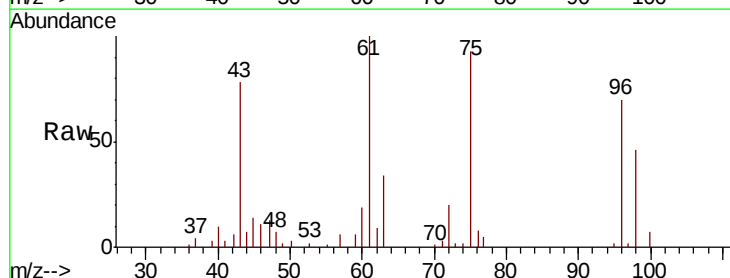
Manual Integrations
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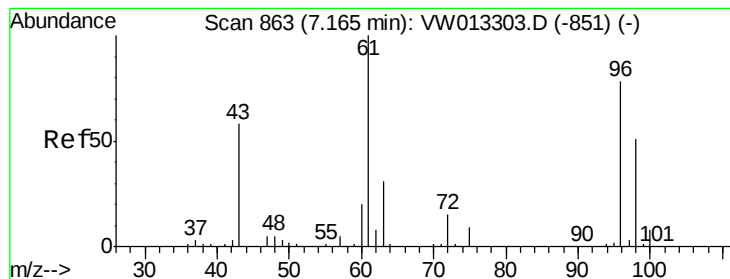
MMDadoda
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#21
 2-Butanone
 Concen: 5.490 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.7	13.2	39.6





#22

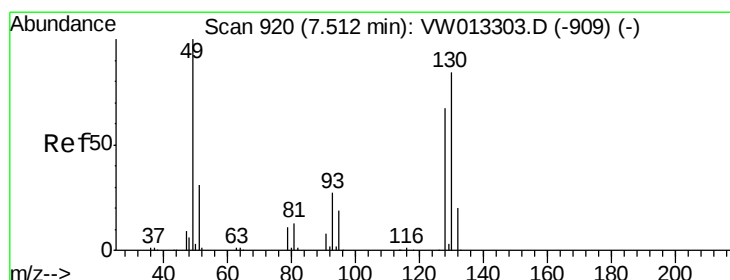
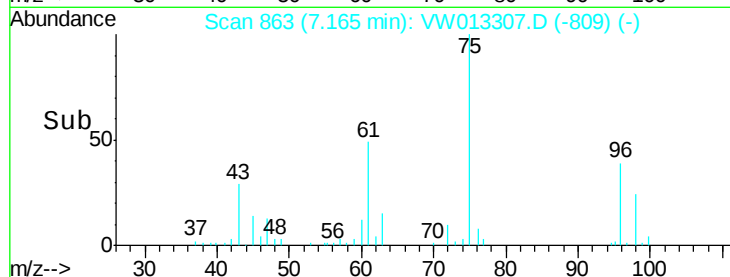
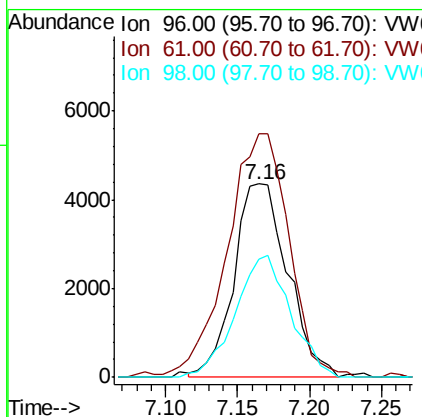
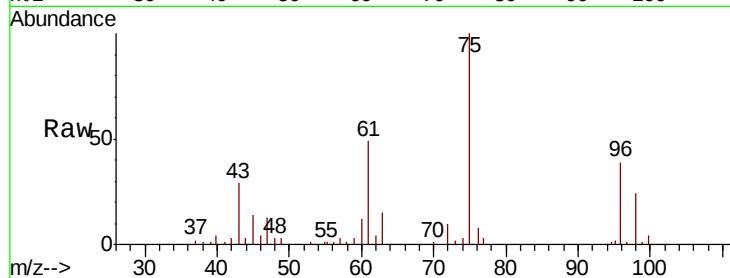
cis-1,2-Dichloroethene
Concen: 2.096 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	86.0	159.6
98	61.2	43.5	80.9

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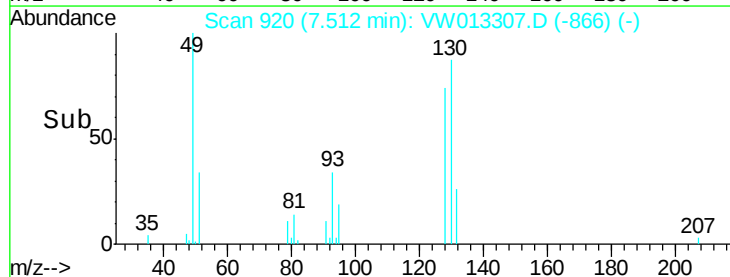
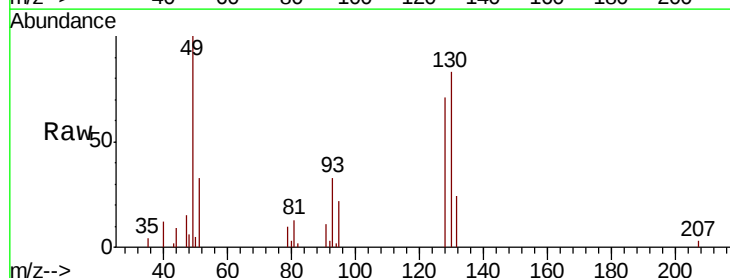
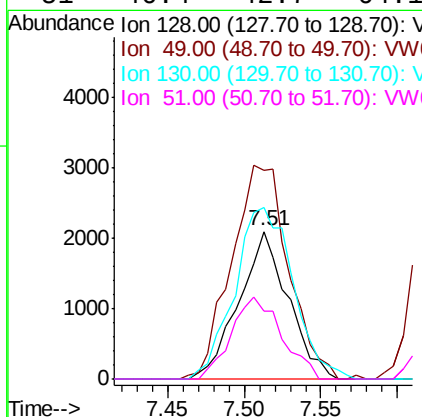
MMDadoda
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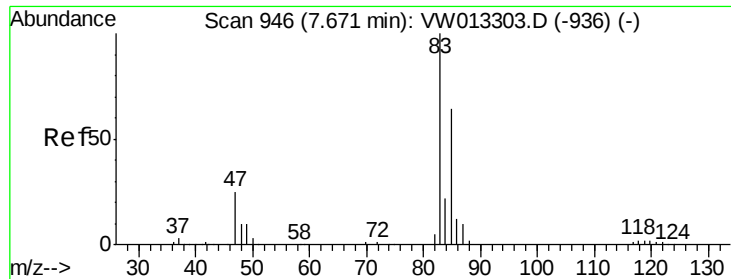


#23

Bromochloromethane
Concen: 1.934 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	140.9	114.6	212.8
130	116.4	92.6	172.0
51	46.4	42.7	64.1





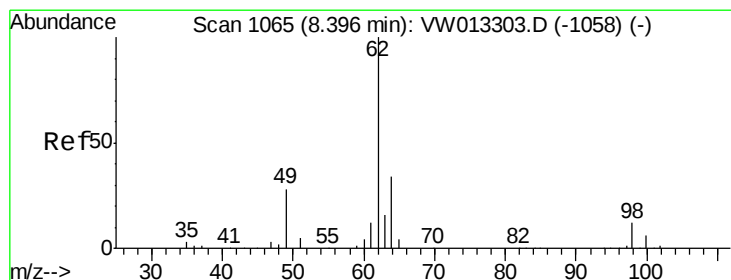
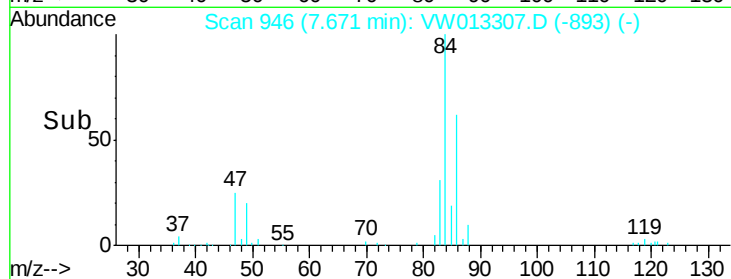
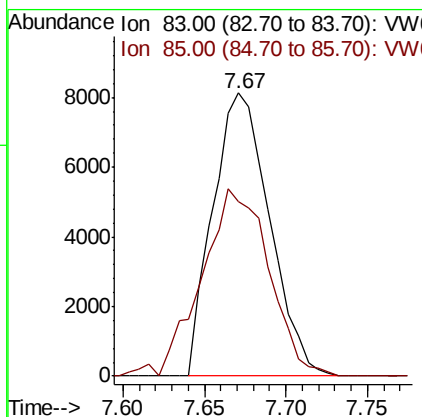
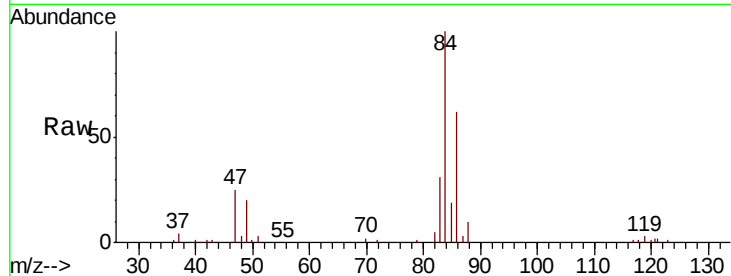
#25
Chloroform
Concen: 2.302 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion	83	Resp	19660
Ion Ratio	100	Lower	Upper
85	77.6	45.9	85.3

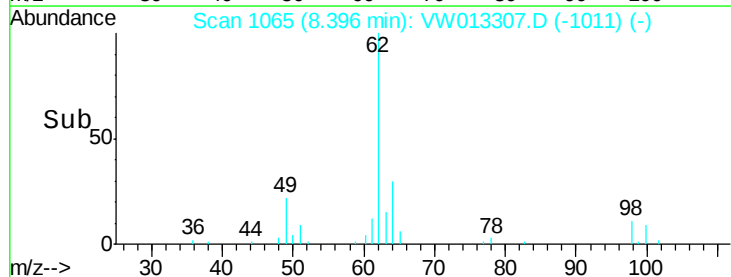
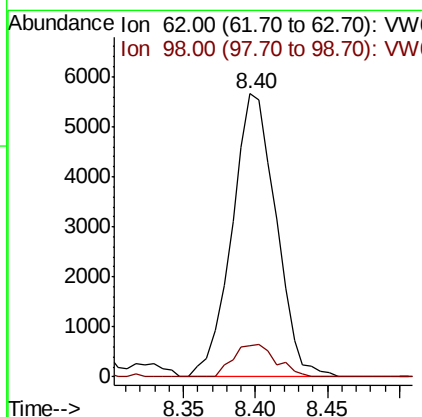
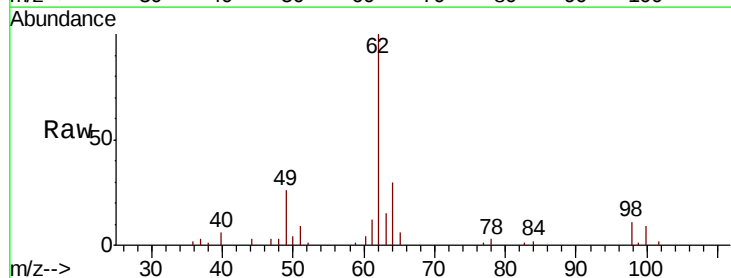
Manual Integrations
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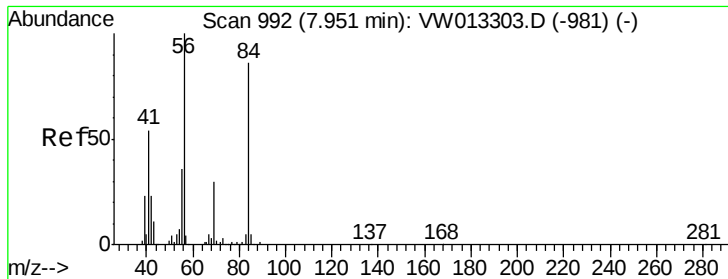
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.149 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion	62	Resp	12019
Ion Ratio	100	Lower	Upper
98	10.8	9.0	13.6





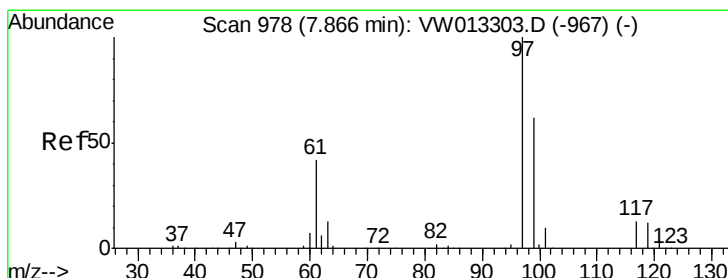
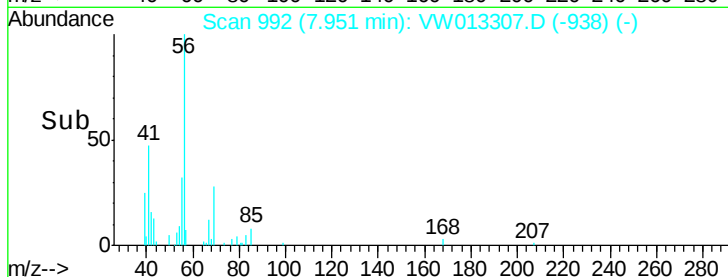
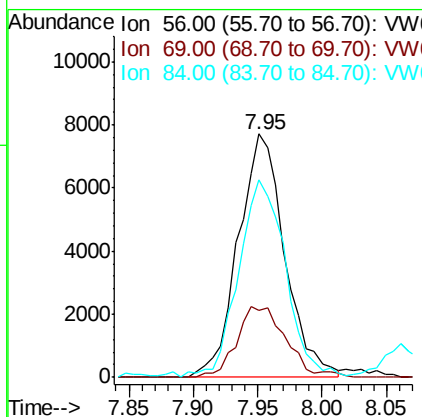
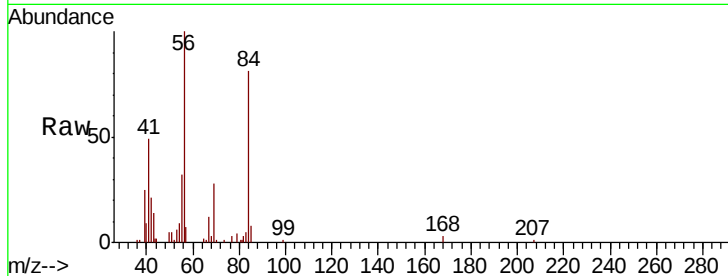
#30
Cvclohexane
Concen: 2.301 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.6	37.0
84	82.3	69.5	104.3

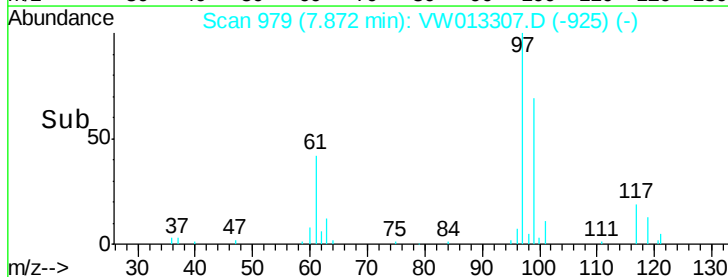
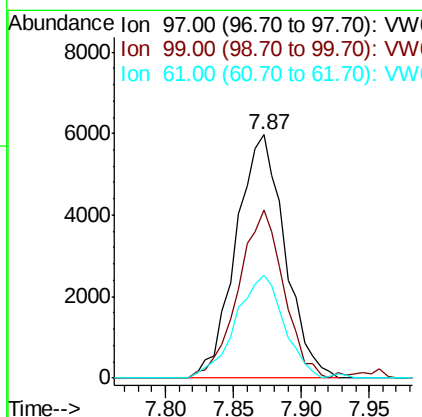
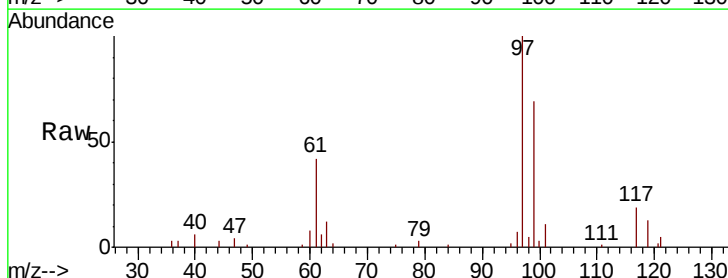
Manual Integrations
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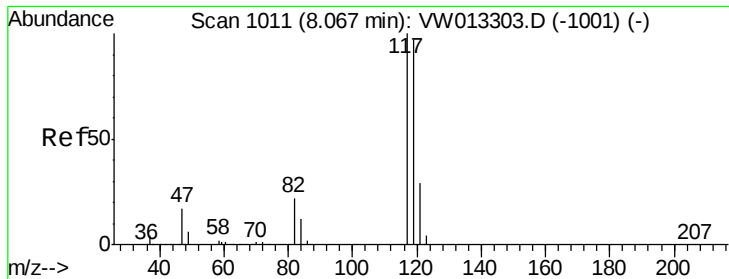
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#31
1,1,1-Trichloroethane
Concen: 2.243 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	41.7	34.2	51.2





#32

Carbon tetrachloride

Concen: 2.231 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion:117 Resp: 14229

Ion Ratio Lower Upper

117 100

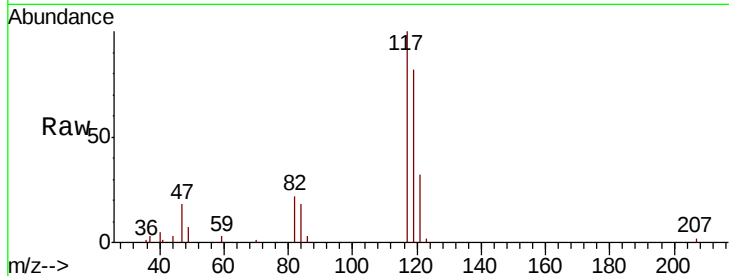
119 92.5 76.7 115.1

Manual Integrations

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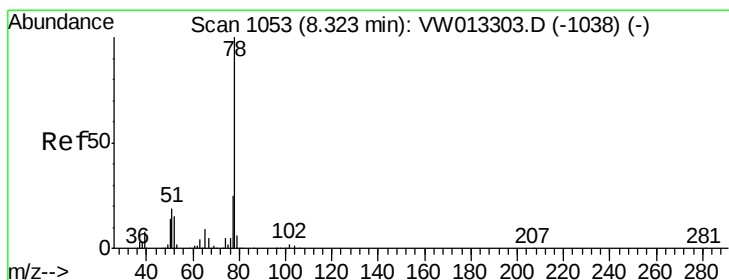
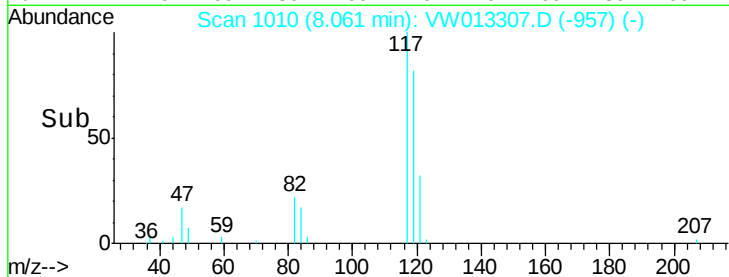
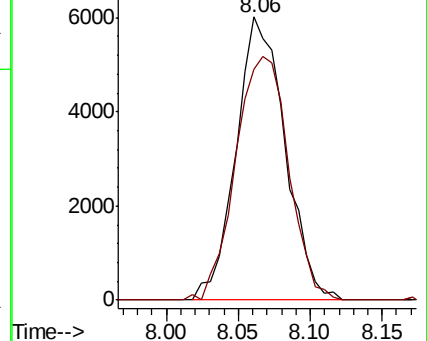
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.216 ug/L

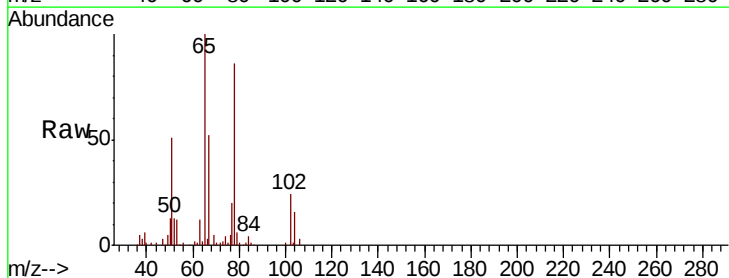
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

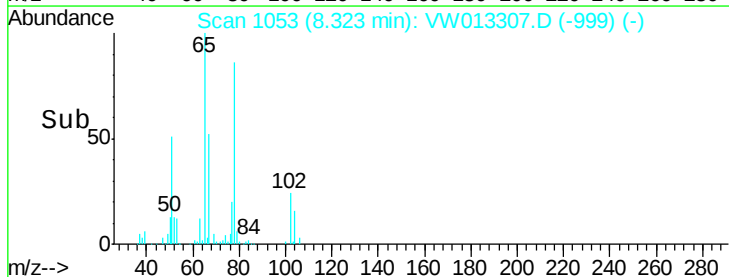
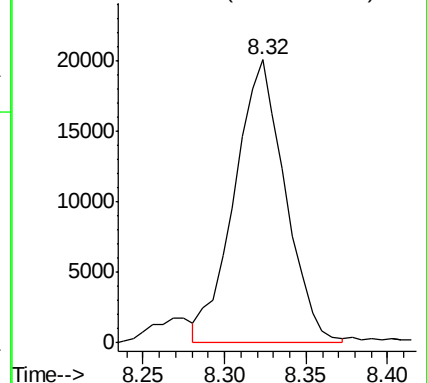
Lab File: VW013307.D

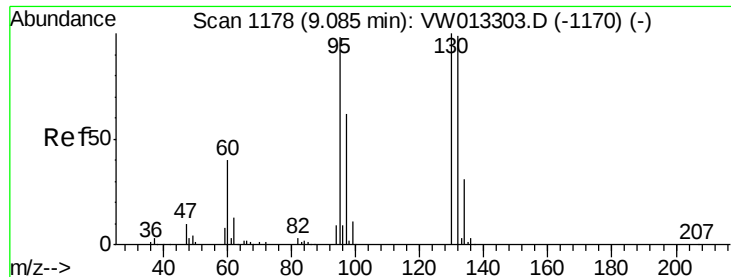
Acq: 26 Sep 2019 15:18

Tgt Ion: 78 Resp: 43287



Abundance Ion 78.00 (77.70 to 78.70): VW





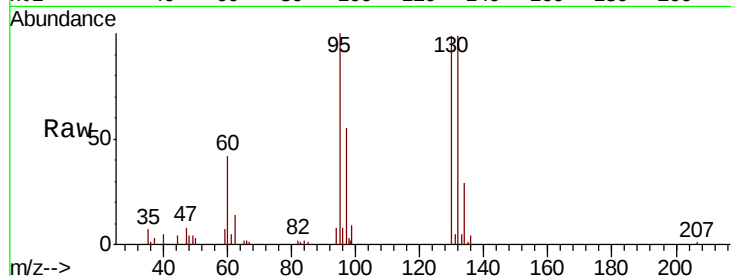
#35
 Trichloroethene
 Concen: 2.261 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

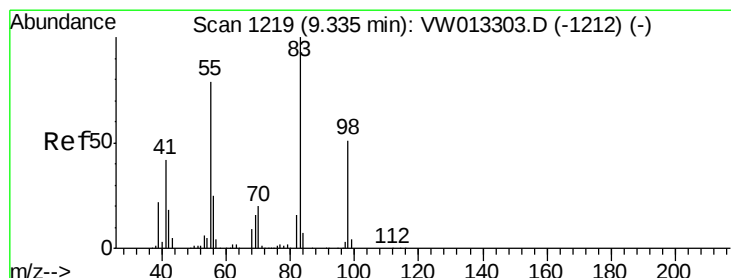
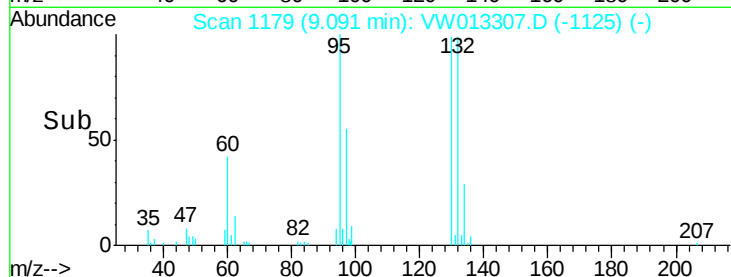
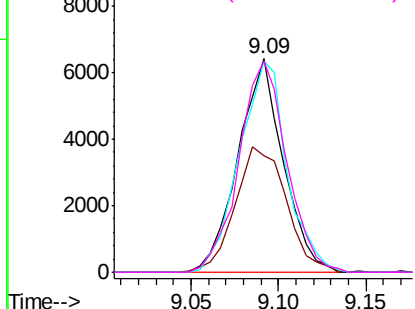
Tot Ion	95	Resp	11605
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.3	82.3
132	104.1	71.7	133.3
130	104.5	74.1	137.7

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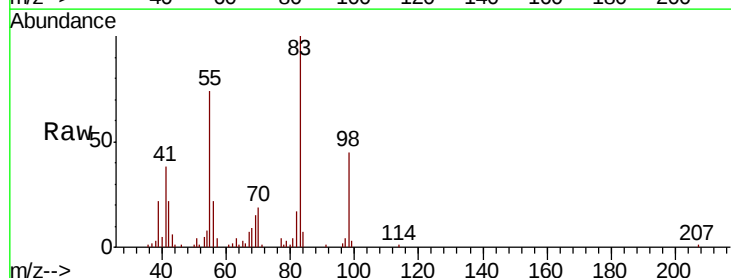


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

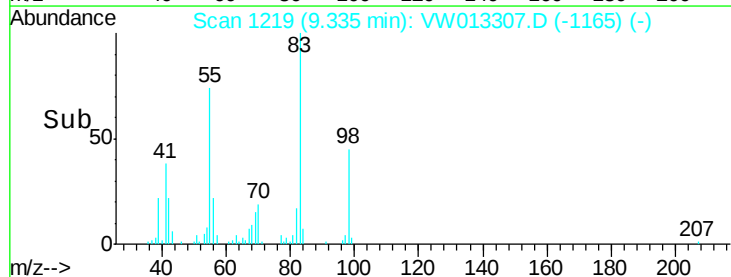
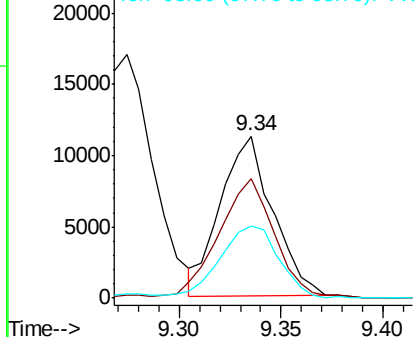


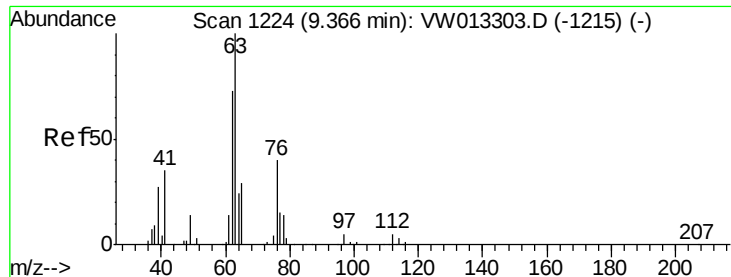
#36
 Methylcyclohexane
 Concen: 2.197 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	83	Resp	20084
Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.8	92.6
98	50.7	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: 2.157 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion: 63 Resp: 10367

Ion Ratio Lower Upper

63 100

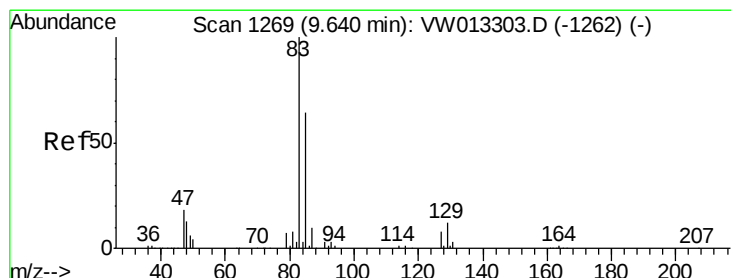
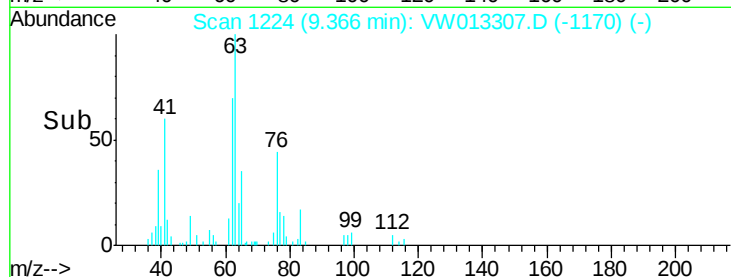
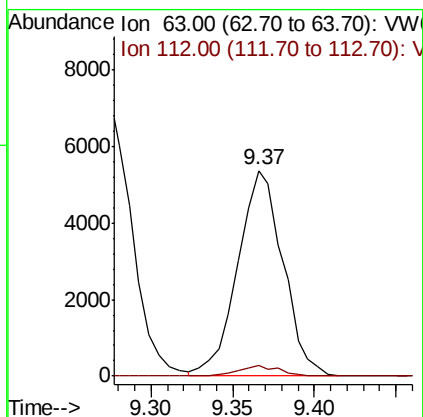
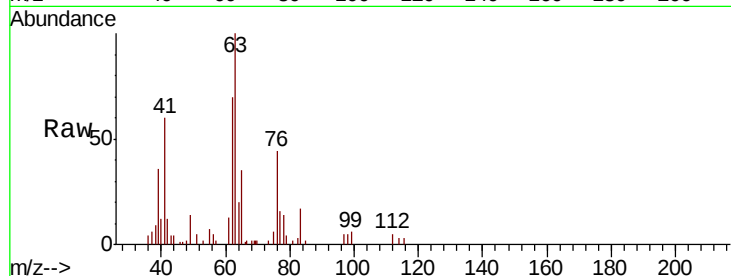
112 4.7 4.1 6.1

Manual Integrations

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MMDadoda

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#41

Bromodichloromethane

Concen: 2.031 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

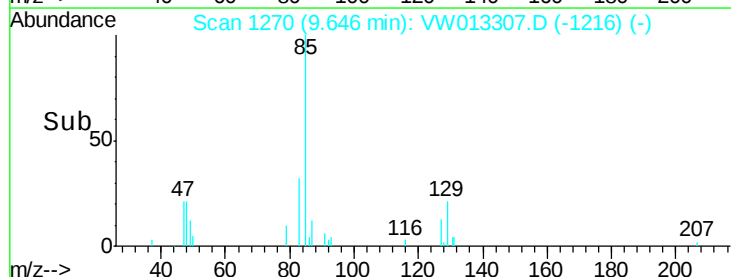
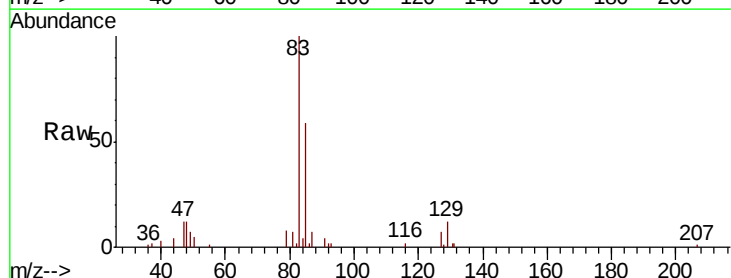
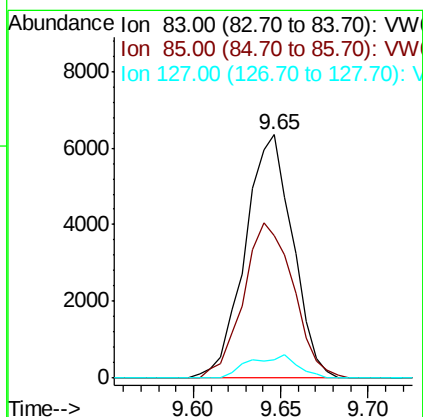
Tgt Ion: 83 Resp: 11977

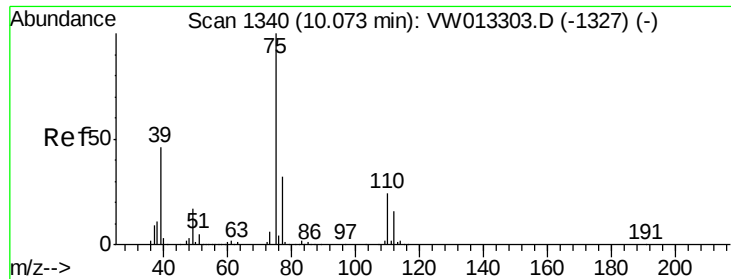
Ion Ratio Lower Upper

83 100

85 58.7 43.8 81.4

127 7.4 7.0 10.6





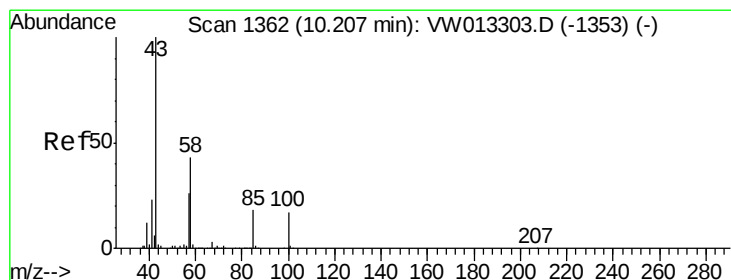
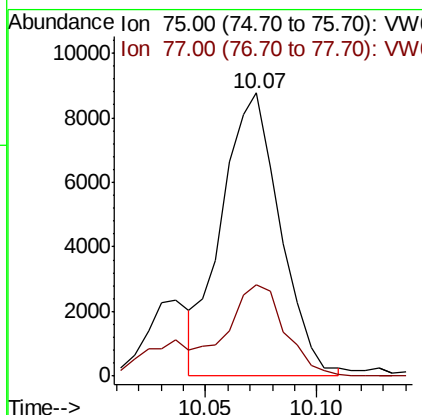
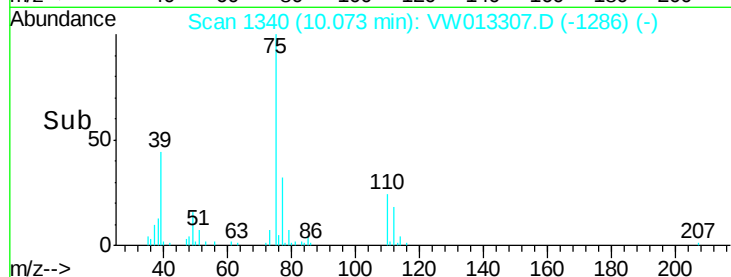
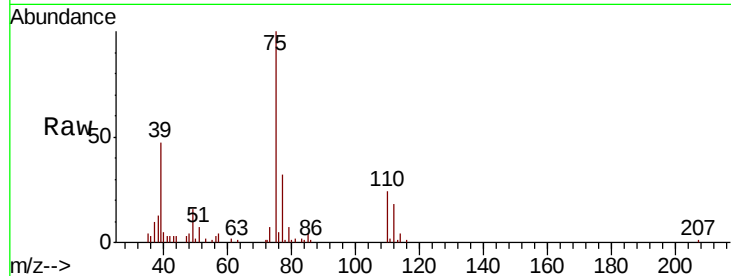
#42
 cis-1,3-Dichloropropene
 Concen: 2.083 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 15989
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.3 39.5

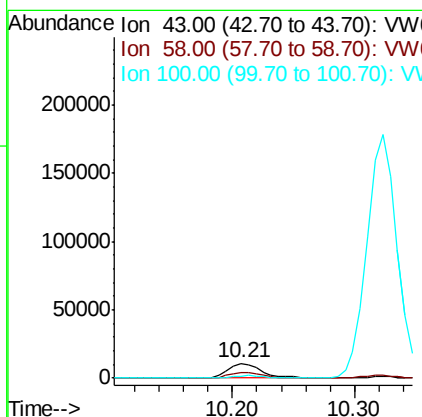
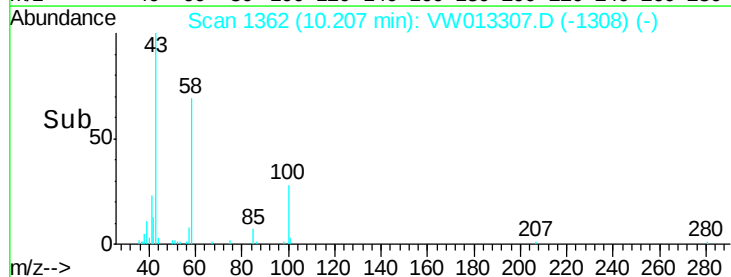
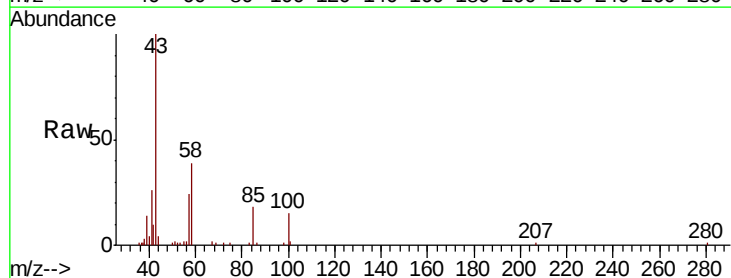
Manual Integrations
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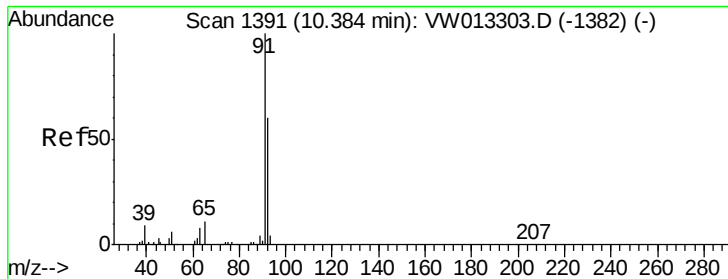
MMDadoda
 10/9/2019 2:13:19 PM



#43
 4-Methyl-2-pentanone
 Concen: 5.796 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion: 43 Resp: 21329
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.7 49.1
 100 15.8 12.9 19.3





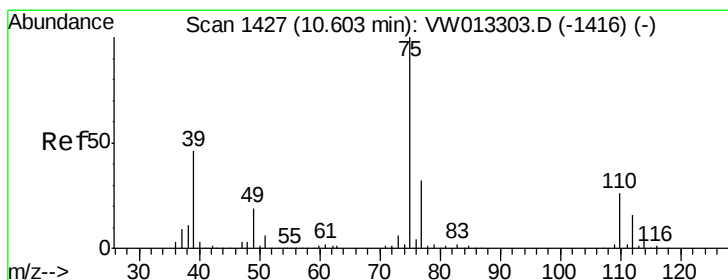
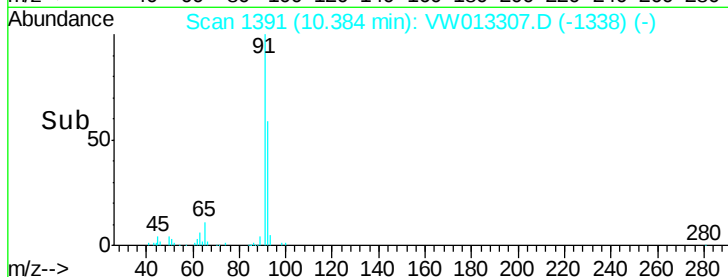
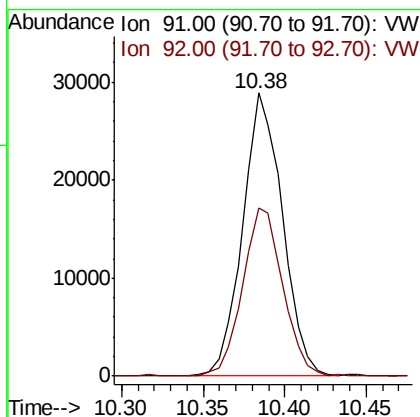
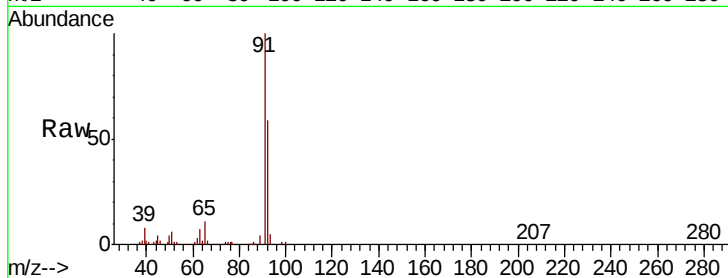
#44
Toluene
Concen: 2.310 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion: 91 Resp: 49127
Ion Ratio Lower Upper
91 100
92 59.3 41.5 77.1

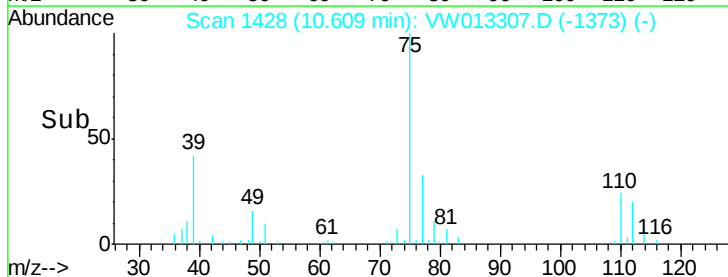
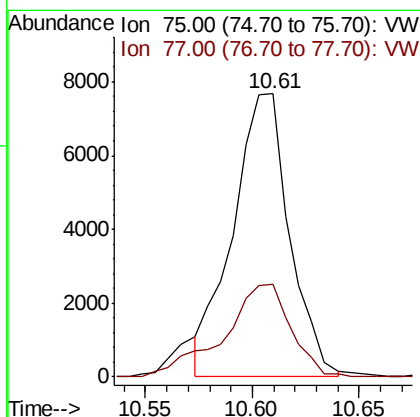
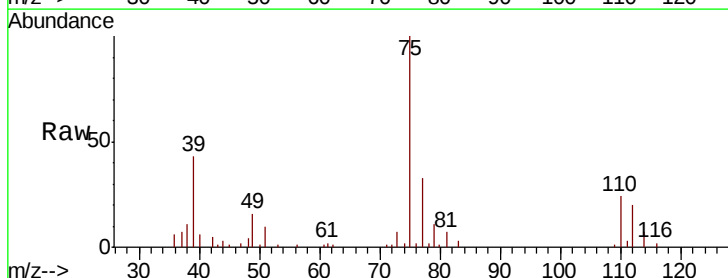
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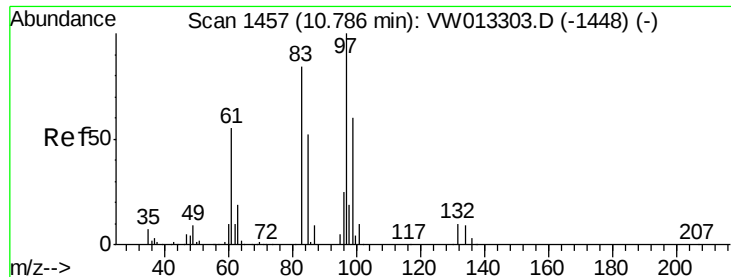
MMDadoda
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#45
trans-1,3-Dichloropropene
Concen: 2.304 ug/L m
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion: 75 Resp: 14218
Ion Ratio Lower Upper
75 100
77 32.9 20.5 38.1





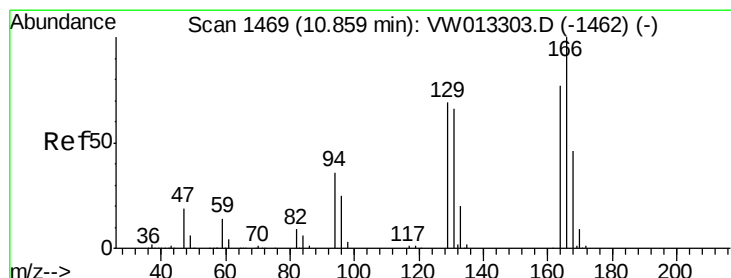
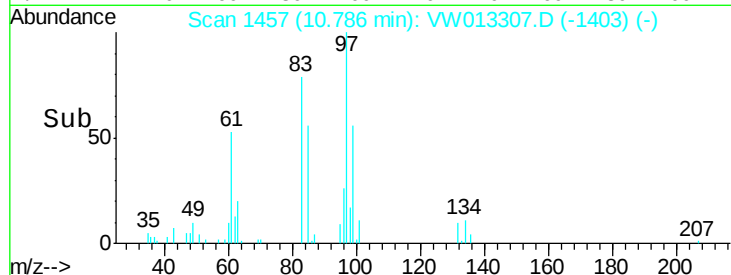
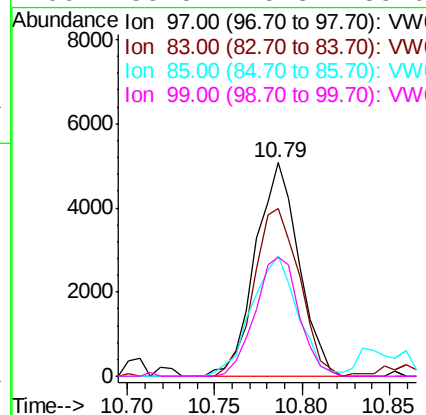
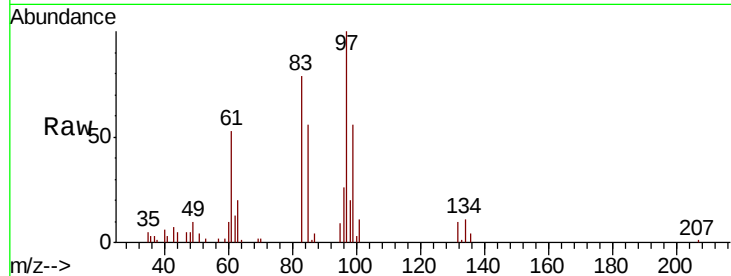
#46
 1,1,2-Trichloroethane
 Concen: 2.335 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.8	59.4	110.2
85	56.1	38.7	71.9
99	55.8	45.8	85.0

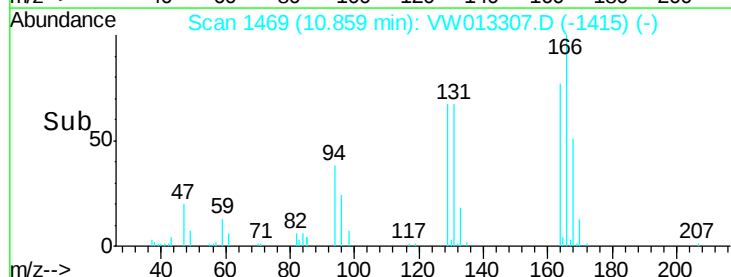
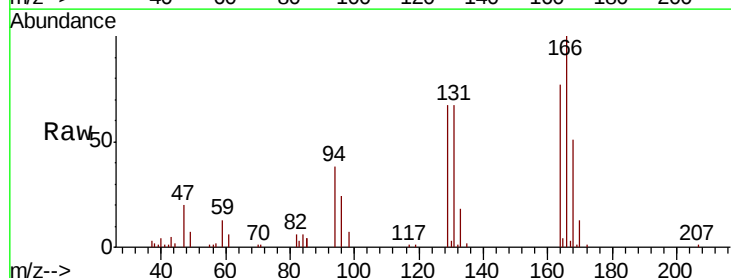
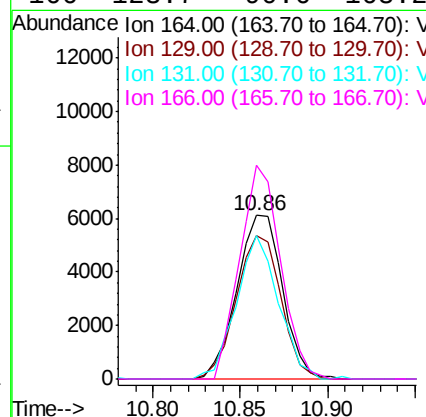
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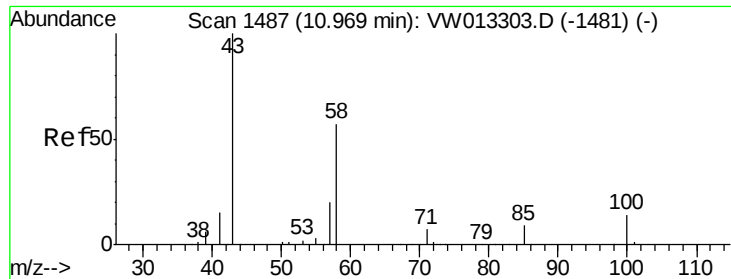
MMDadoda
 10/9/2019 2:13:19 PM



#47
 Tetrachloroethene
 Concen: 2.407 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.3	60.5	112.5
131	82.9	60.6	112.6
166	123.7	90.6	168.2





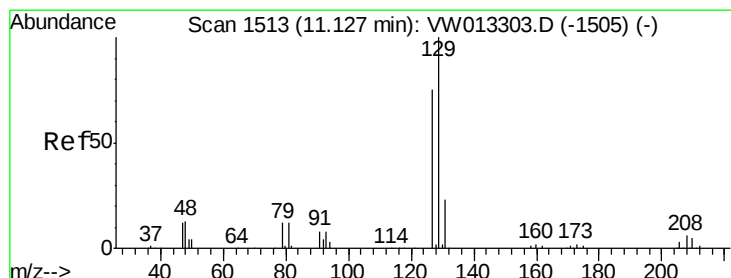
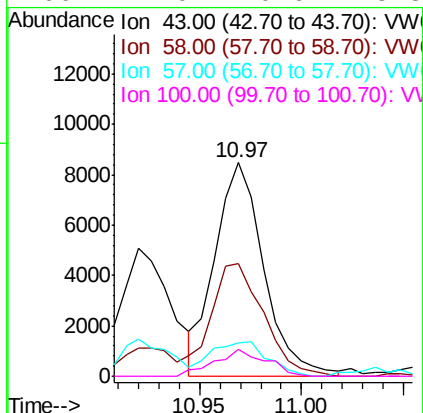
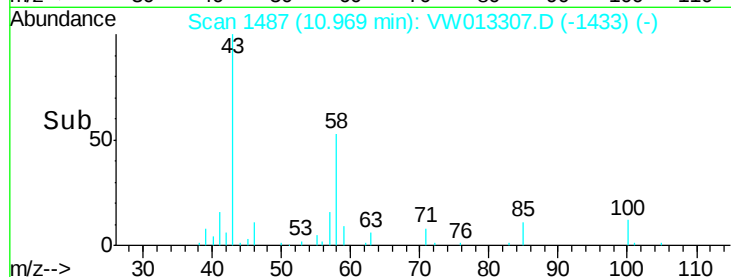
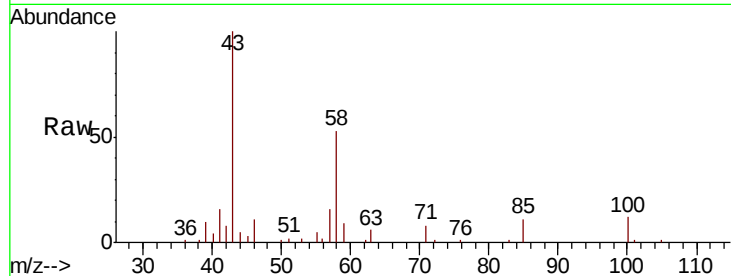
#49
2-Hexanone
Concen: 5.321 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	44.3	66.5
57	19.0	15.3	22.9
100	11.0	10.6	15.8

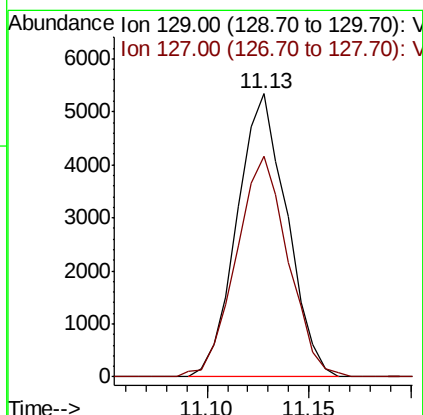
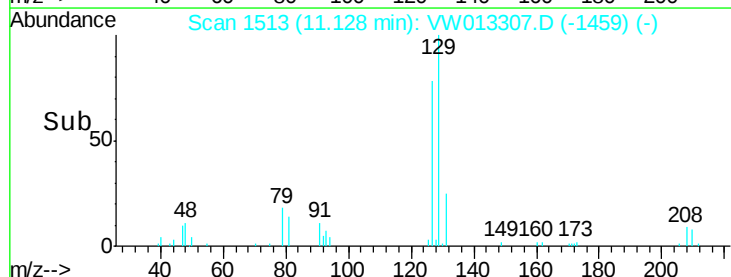
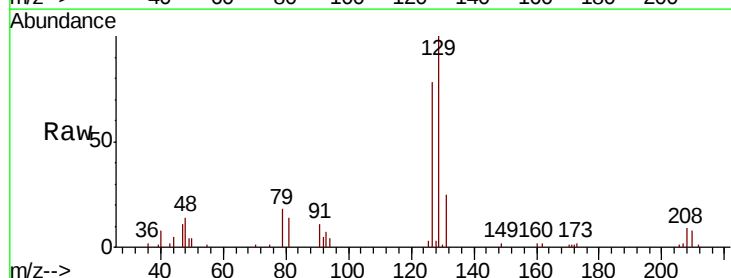
Manual Integrations
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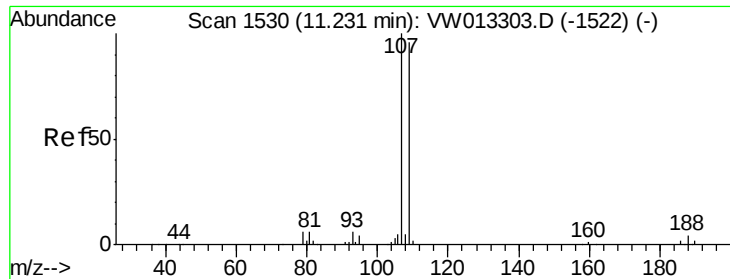
MMDadoda
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#50
Dibromochloromethane
Concen: 2.104 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	56.1	104.1





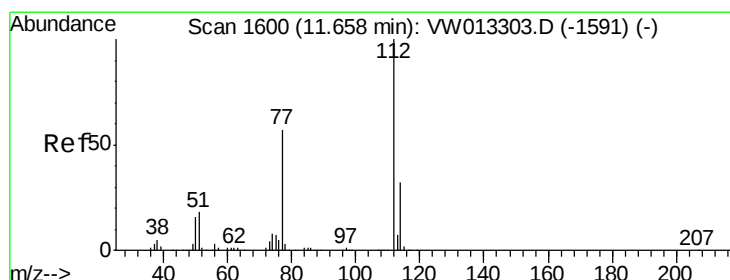
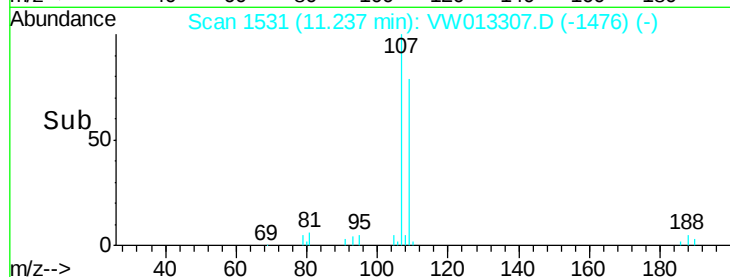
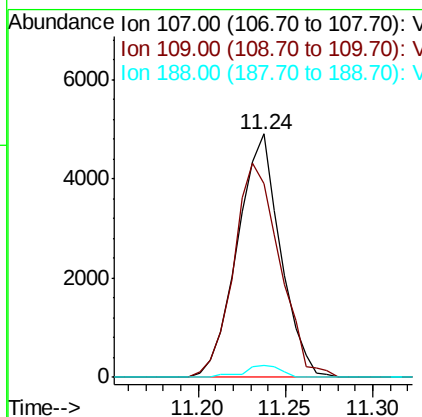
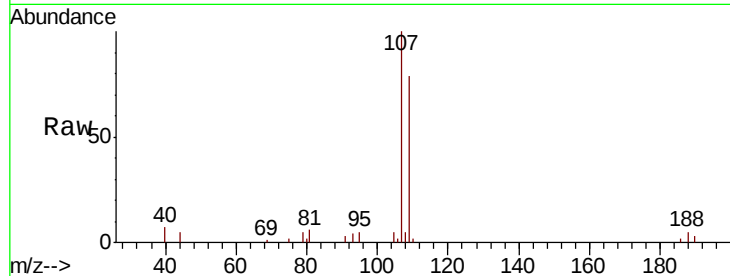
#51
 1,2-Dibromoethane
 Concen: 2.269 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	79.4	65.5	121.6	
188	4.9	3.0	4.6#	

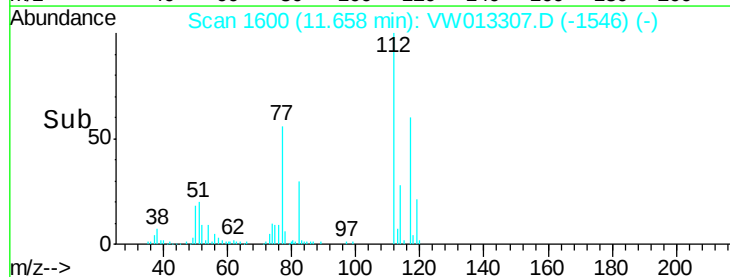
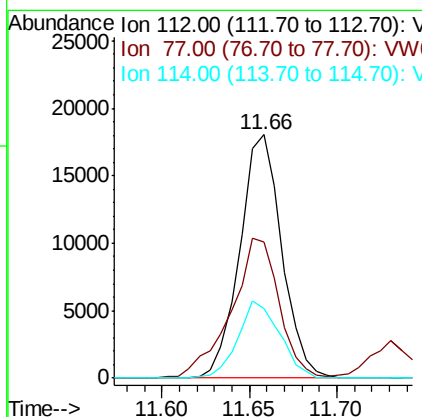
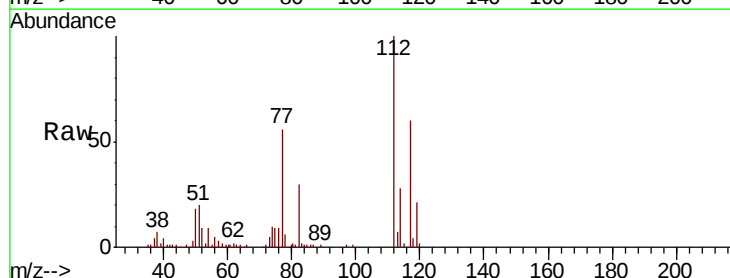
Manual Integrations
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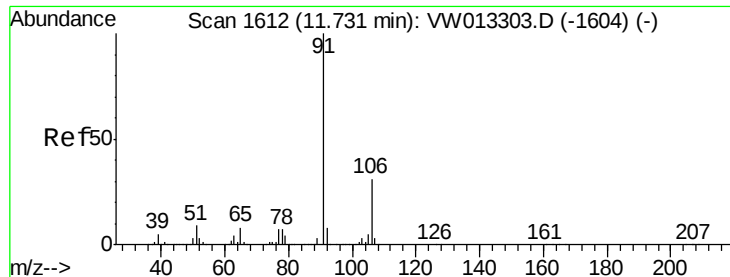
MMDadoda
 10/9/2019 2:13:19 PM



#52
 Chlorobenzene
 Concen: 2.247 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
77	55.7	46.5	69.7	
114	28.4	23.0	42.8	





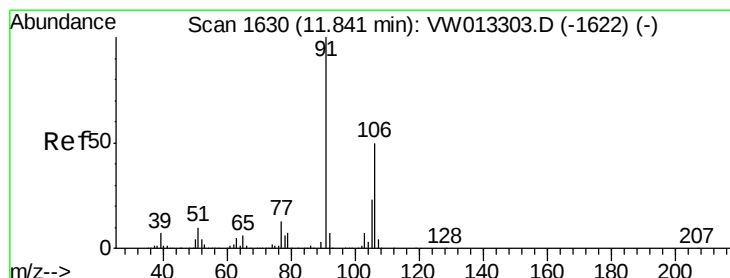
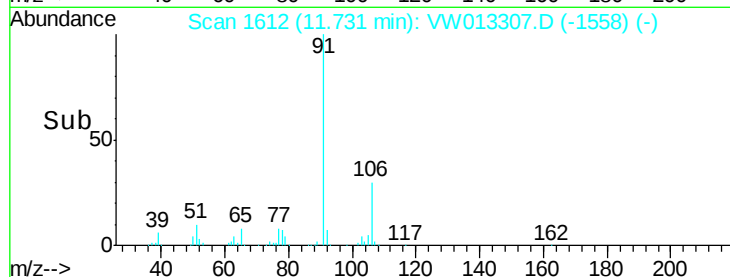
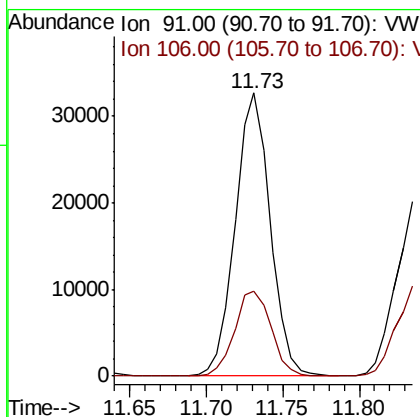
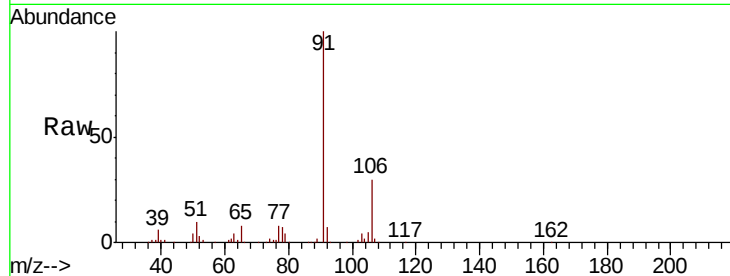
#53
Ethylbenzene
Concen: 2.198 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Tot Ion: 91 Resp: 51830
Ion Ratio Lower Upper
91 100
106 29.8 20.8 38.6

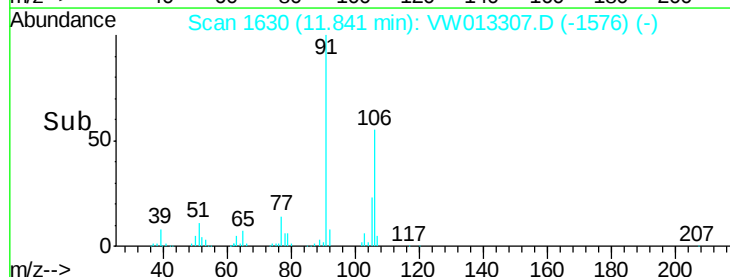
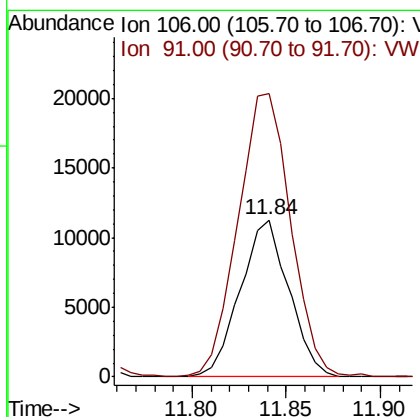
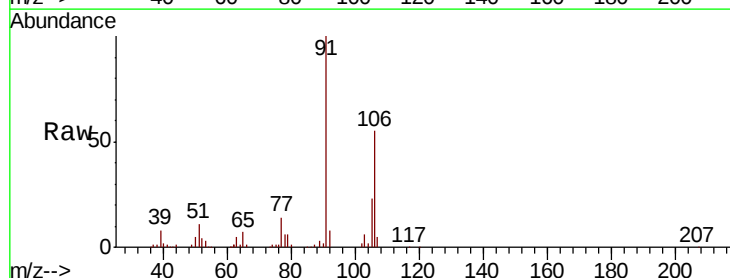
Manual Integrations
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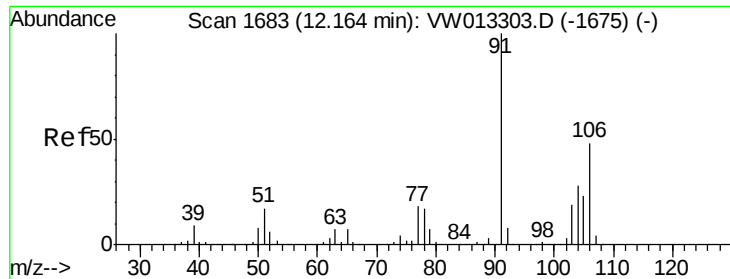
MMDadoda
10/9/2019 2:13:19 PM



#54
m,p-Xylene
Concen: 2.228 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion: 106 Resp: 20173
Ion Ratio Lower Upper
106 100
91 180.3 138.3 256.9





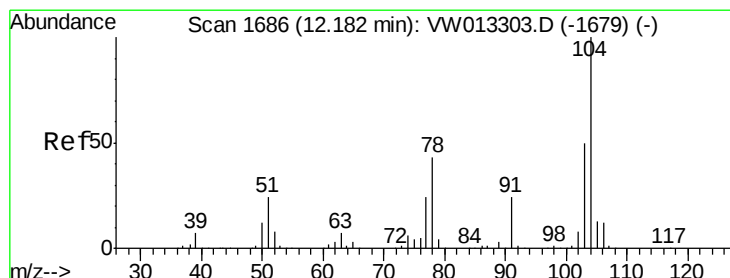
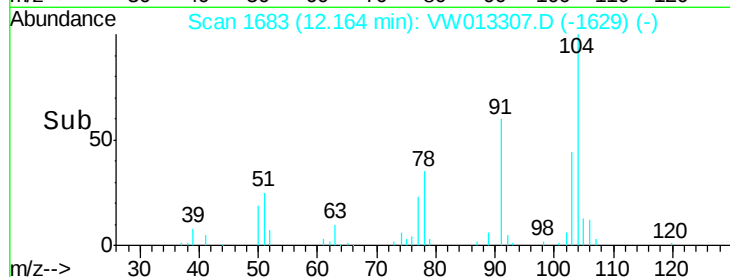
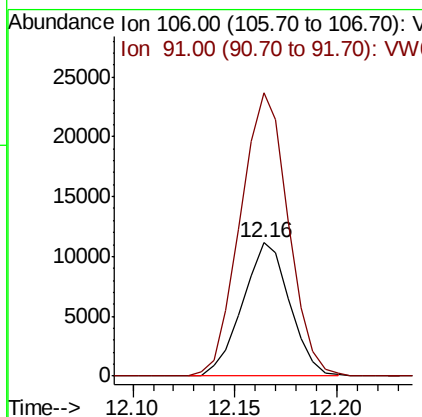
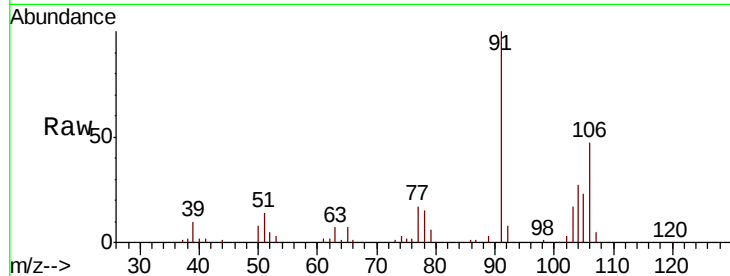
#55
o-xylene
Concen: 2.072 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion:106 Resp: 17698
Ion Ratio Lower Upper
106 100
91 211.9 145.9 271.1

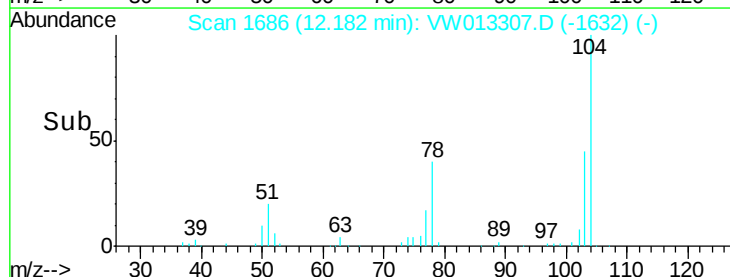
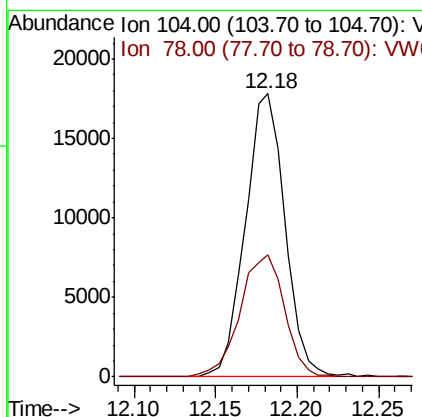
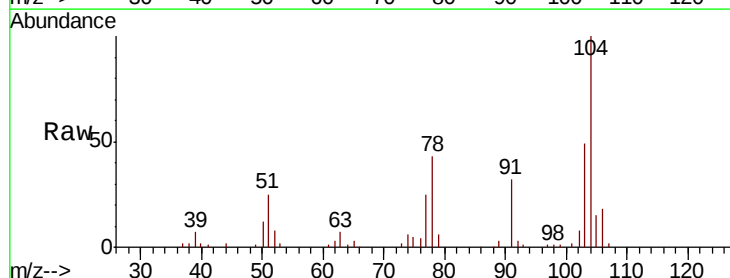
Manual Integrations
APPROVED

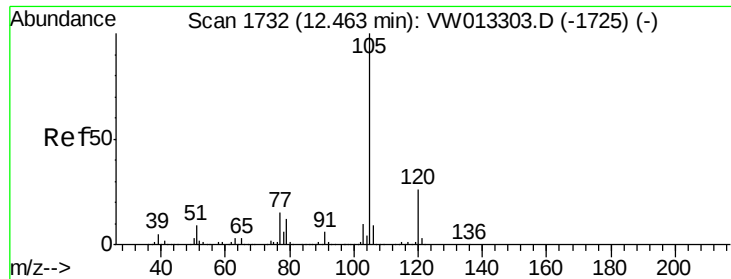
MMDadoda
10/9/2019 2:13:19 PM



#56
Styrene
Concen: 2.055 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion:104 Resp: 30109
Ion Ratio Lower Upper
104 100
78 43.2 29.8 55.4





#57

Isopropylbenzene

Concen: 2.127 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

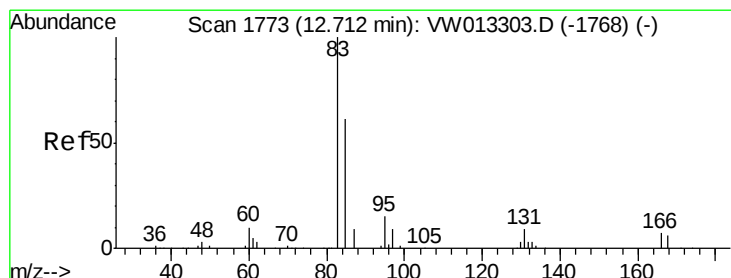
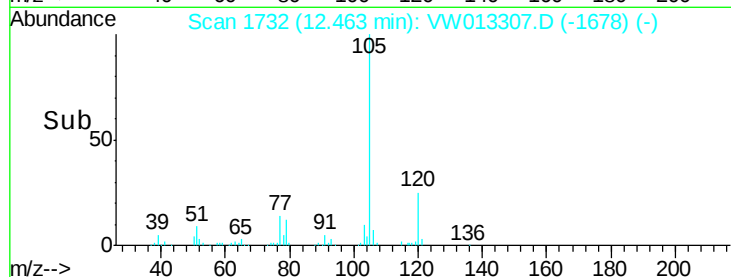
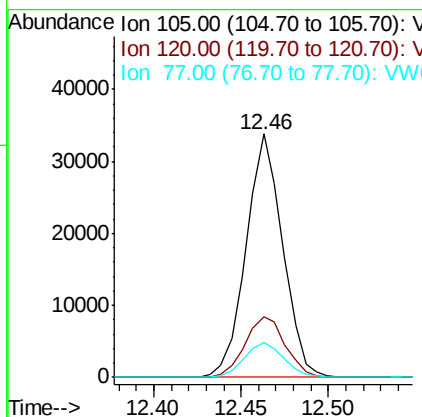
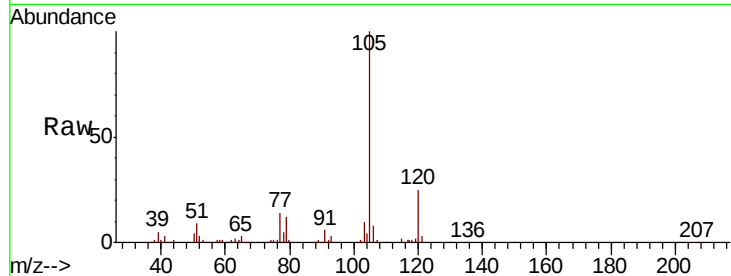
ClientSampled :

MDL03

Tot Ion:	105	Resp:	49139
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.4	32.2
77	15.6	11.8	17.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.387 ug/L

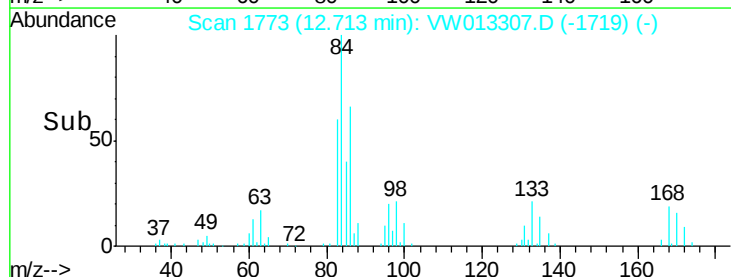
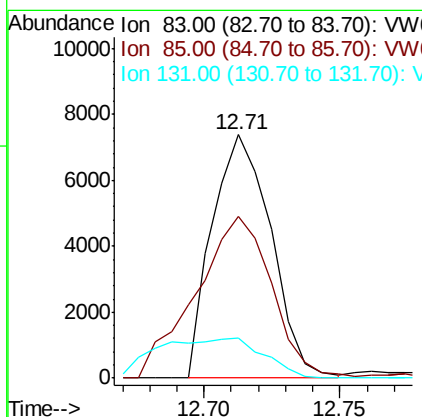
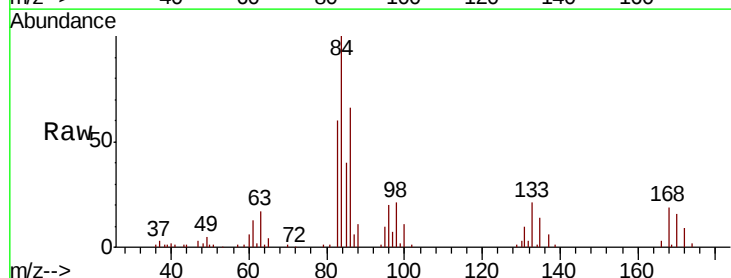
RT: 12.71 min Scan# 1773

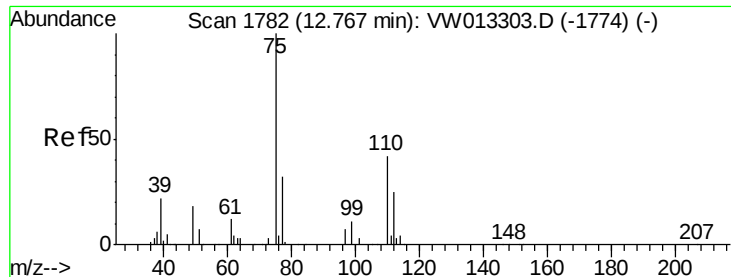
Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tgt Ion:	83	Resp:	11076
Ion Ratio	Lower	Upper	
83	100		
85	66.2	45.2	84.0
131	16.4	8.9	13.3#





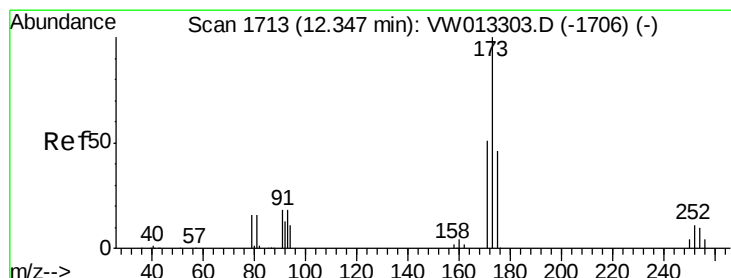
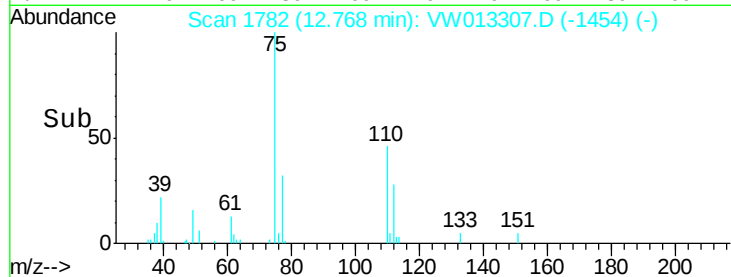
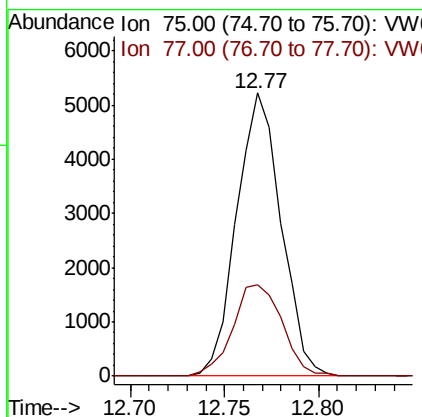
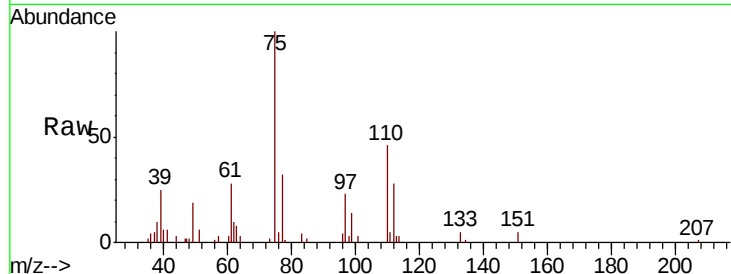
#59
 1,2,3-Trichloropropane
 Concen: 2.466 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 8537
 Ion Ratio Lower Upper
 75 100
 77 36.0 25.8 38.8

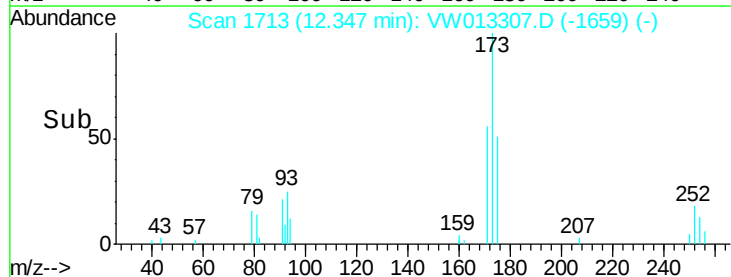
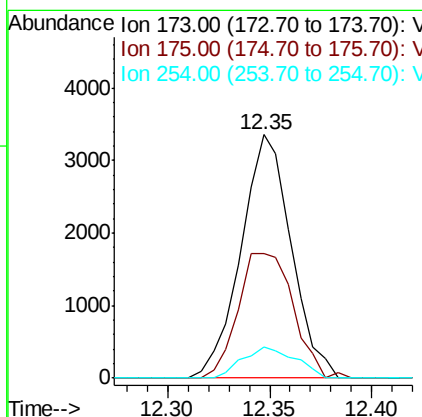
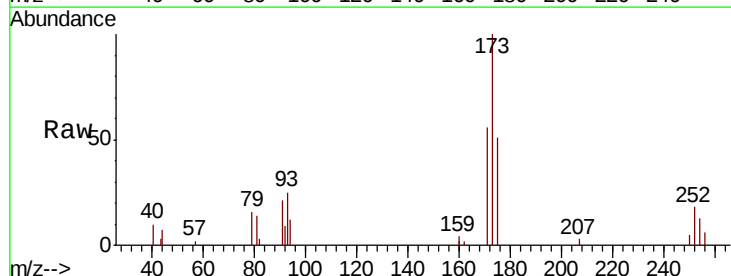
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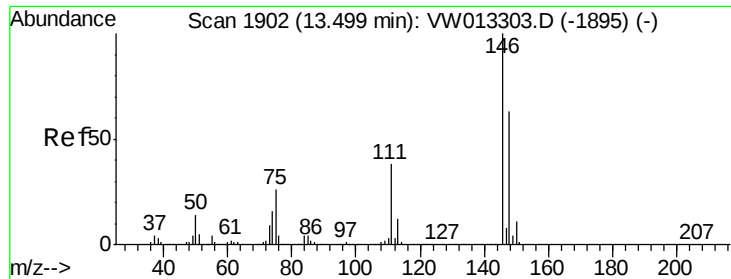
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#62
 Bromoform
 Concen: 2.119 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion: 173 Resp: 5740
 Ion Ratio Lower Upper
 173 100
 175 55.6 39.3 58.9
 254 13.2 9.1 13.7





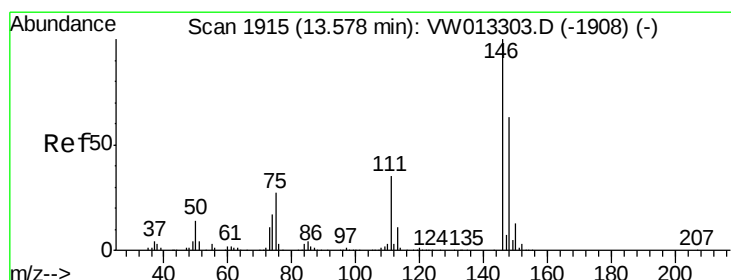
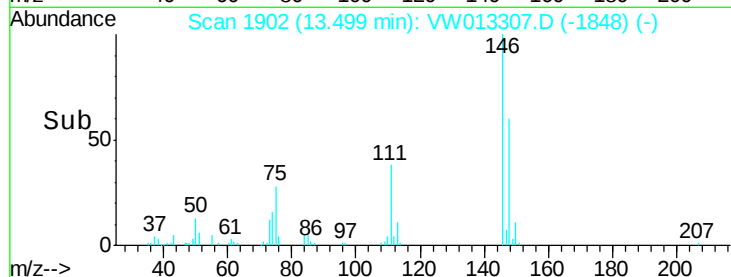
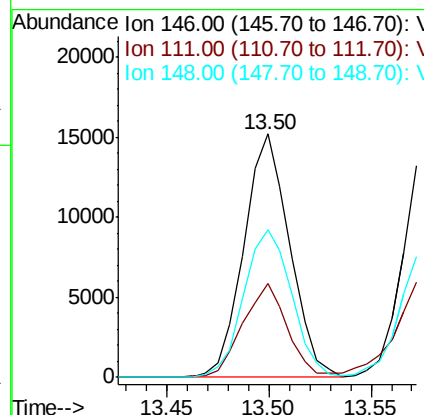
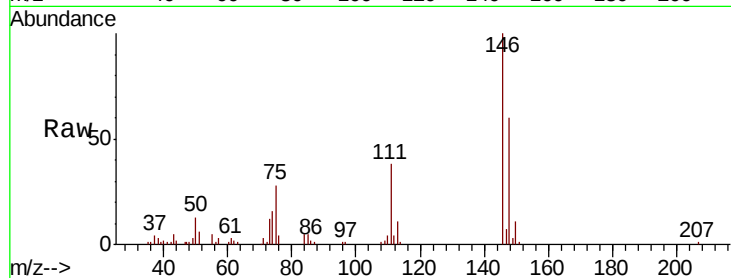
#63
 1,3-Dichlorobenzene
 Concen: 2.247 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.7	49.5
148	60.4	45.0	83.6

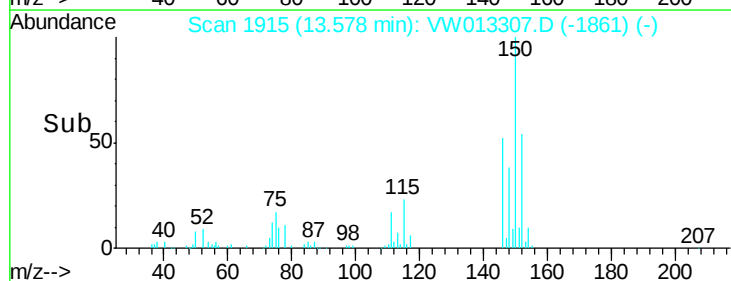
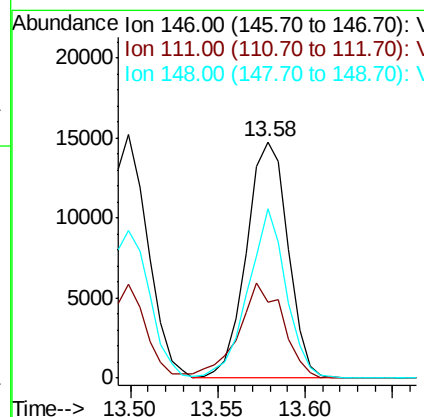
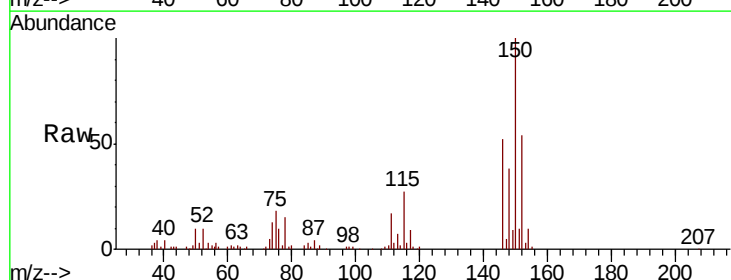
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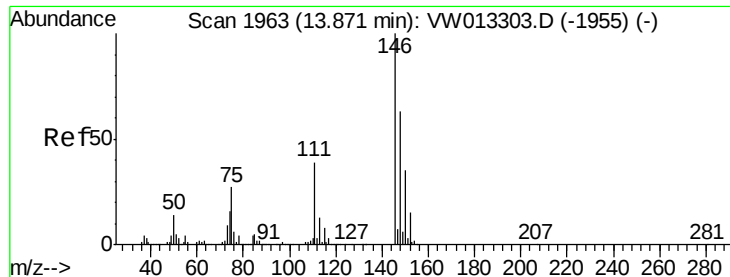
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#64
 1,4-Dichlorobenzene
 Concen: 2.284 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.1	24.2	45.0
148	72.0	45.1	83.7





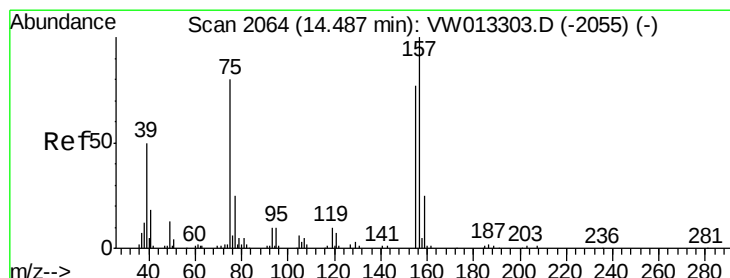
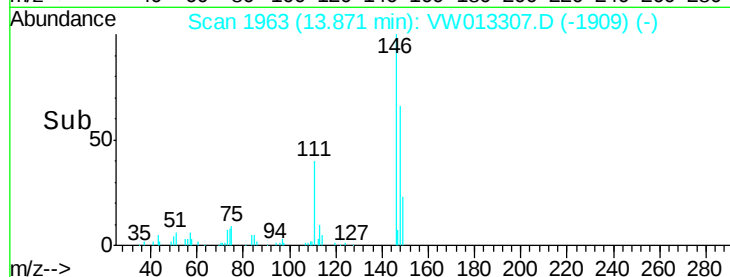
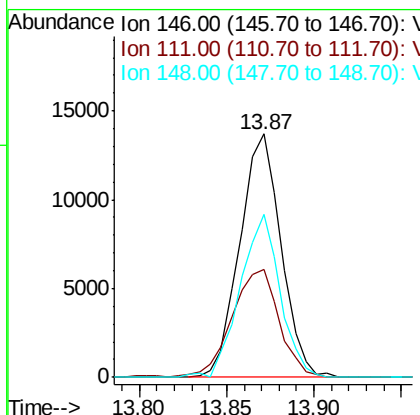
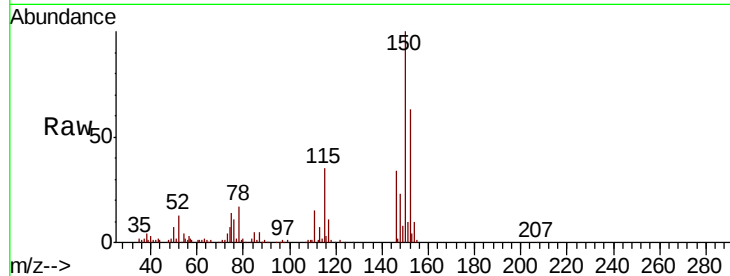
#65
 1,2-Dichlorobenzene
 Concen: 2.347 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	30.8	46.2
148	67.0	52.5	78.7

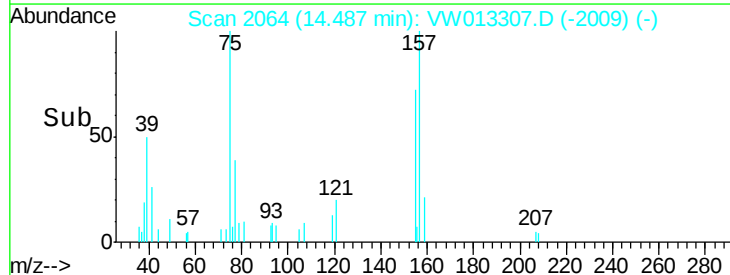
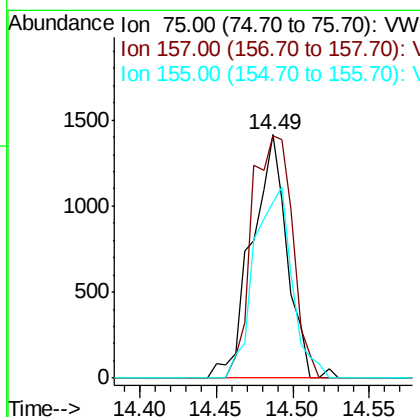
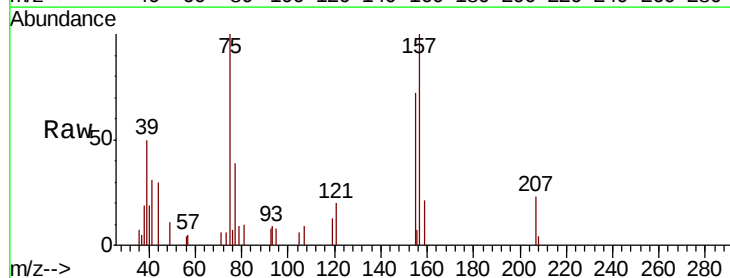
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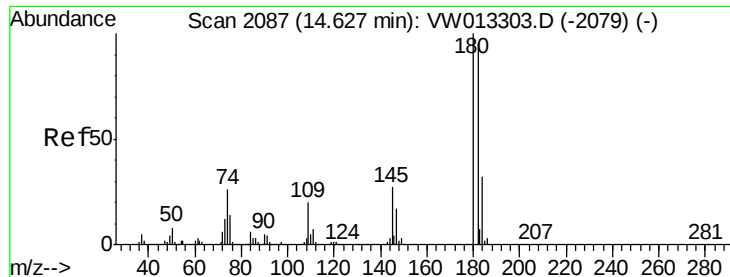
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.019 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
157	99.7	97.8	146.8
155	72.0	78.4	117.6#





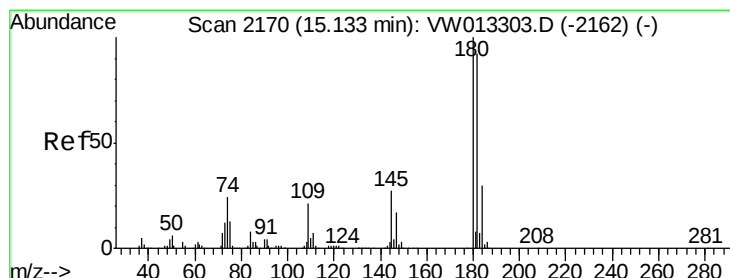
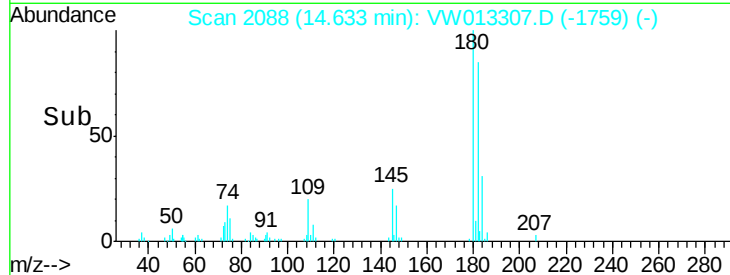
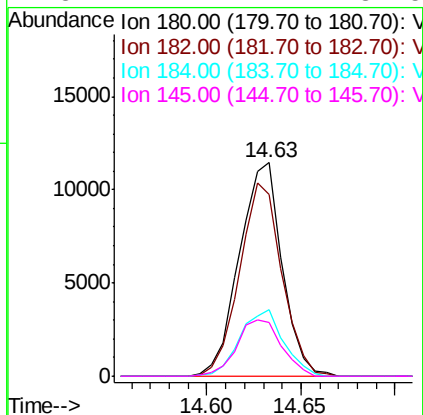
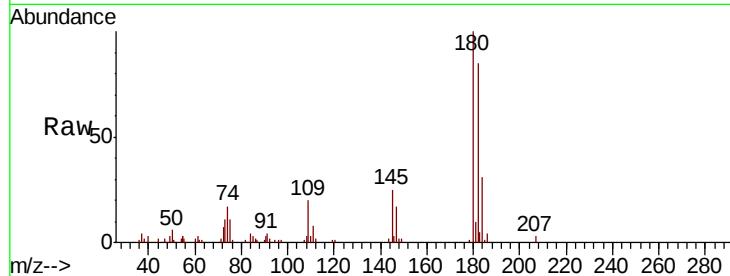
#67
 1,3,5-Trichlorobenzene
 Concen: 2.222 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18028		
182	89.7		76.4	114.6
184	32.0		23.9	35.9
145	27.7		21.7	32.5

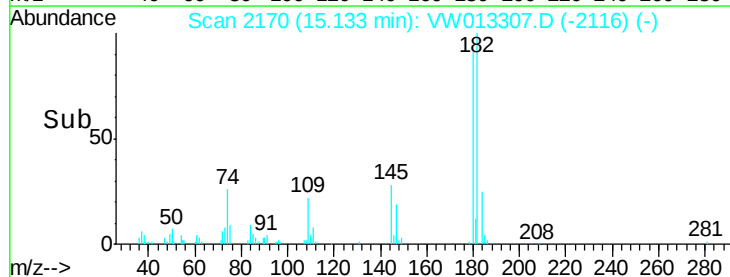
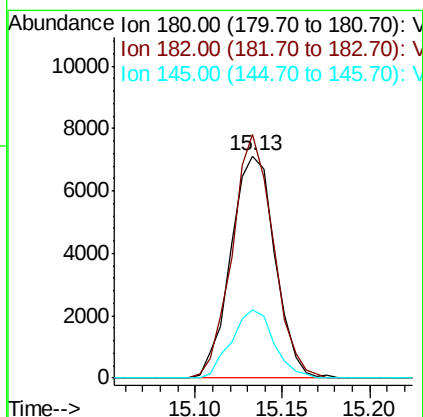
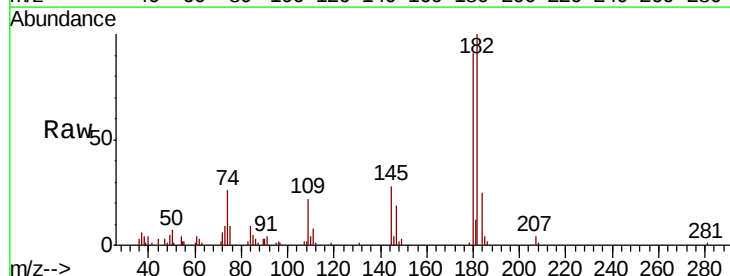
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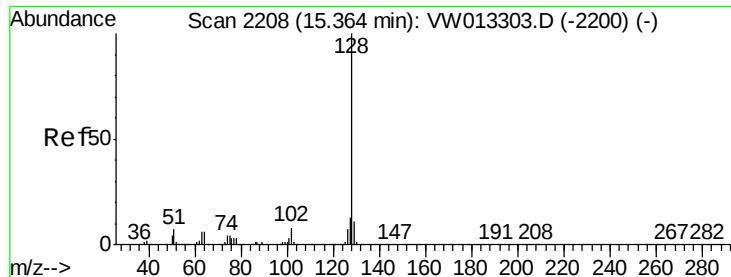
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#68
 1,2,4-trichlorobenzene
 Concen: 1.938 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12549		
182	101.7		75.9	113.9
145	29.6		23.0	34.4





#69

Naphthalene

Concen: 1.908 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

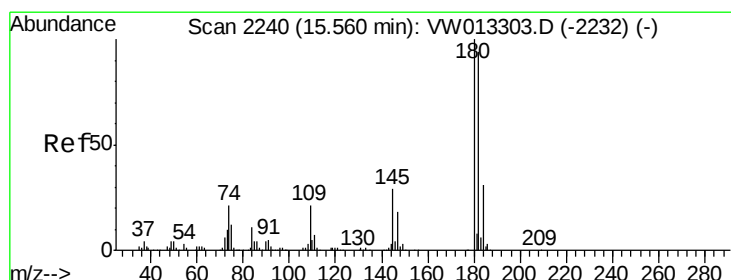
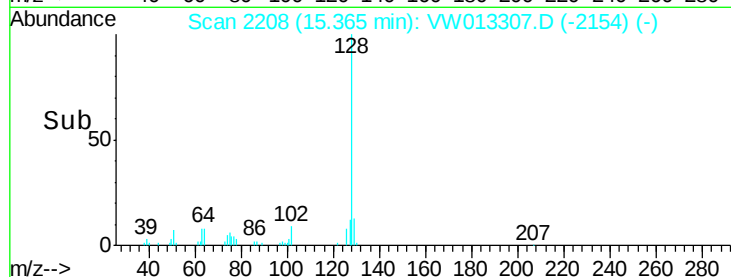
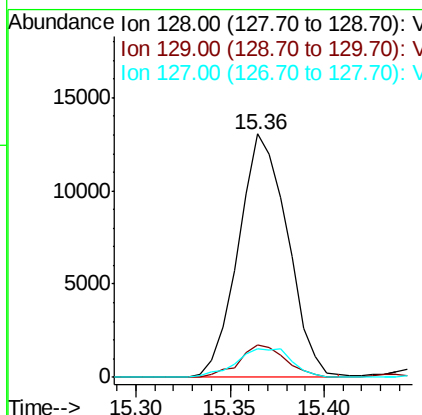
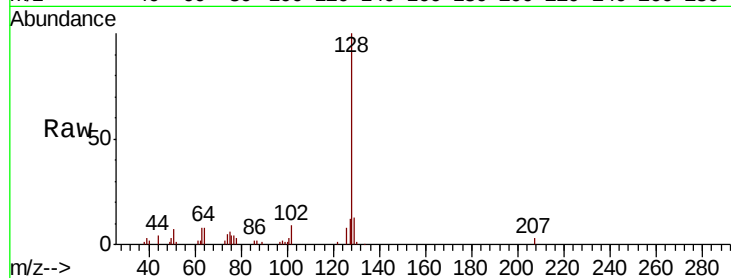
ClientSampleId :

MDL03

Tot Ion:	128	Resp:	23600
Ion Ratio	Lower	Upper	
128	100		
129	12.5	8.7	13.1
127	13.4	10.6	15.8

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 2.073 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tgt Ion:	180	Resp:	12210
Ion Ratio	Lower	Upper	
180	100		
182	97.5	78.2	117.4
145	30.6	24.1	36.1

