

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013311.D
 Acq On : 26 Sep 2019 18:18
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:37 PM

Quant Time: Sep 27 08:44:55 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	459724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	206167	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	145927	26.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.48%
7) Chloroethane-d5	2.89	69	113408	25.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.08%
10) 1,1-Dichloroethene-d2	4.02	63	218754	20.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.08%
20) 2-Butanone-d5	7.07	46	100106	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
24) Chloroform-d	7.65	84	264608	25.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.12%
26) 1,2-Dichloroethane-d4	8.30	65	150846	26.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.72%
29) Benzene-d6	8.27	84	588243	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
33) 1,2-Dichloropropane-d6	9.27	67	175961	26.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.00%
37) Toluene-d8	10.32	98	554507	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.72%
38) trans-1,3-Dichloropropene-	10.58	79	78308	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.00%
39) 2-Hexanone-d5	10.92	63	80708	55.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153539	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	202183	27.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	4227m	1.469	ug/L	
3) Chloromethane	2.21	50	7911	2.052	ug/L	91
5) Vinyl chloride	2.35	62	10828	2.031	ug/L #	50
6) Bromomethane	2.77	94	6888	2.032	ug/L	91
8) Chloroethane	2.92	64	6582	2.035	ug/L	88
9) Trichlorofluoromethane	3.25	101	5188	1.570	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13028m	2.495	ug/L	
12) 1,1-Dichloroethene	4.04	96	12303	2.321	ug/L #	1
13) Acetone	4.13	43	8532	5.410	ug/L	71
14) Carbon disulfide	4.38	76	29089	1.934	ug/L	100
15) Methyl Acetate	4.67	43	6532	2.147	ug/L #	79
16) Methylene chloride	4.92	84	30244	4.403	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	18896	2.061	ug/L #	77
18) trans-1,2-Dichloroethene	5.41	96	11134	1.965	ug/L	87
19) 1,1-Dichloroethane	6.21	63	20214	2.034	ug/L	96
21) 2-Butanone	7.17	43	11439m	5.036	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	12473	2.020	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	5626	2.025	ug/L	89
25) Chloroform	7.67	83	21538	2.205	ug/L	87
27) 1,2-Dichloroethane	8.40	62	14247	2.227	ug/L	97
30) Cyclohexane	7.96	56	19789	1.989	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	16066	2.021	ug/L	98
32) Carbon tetrachloride	8.07	117	14727	1.943	ug/L	95
34) Benzene	8.32	78	48766	2.100	ug/L	100
35) Trichloroethene	9.09	95	13061	2.141	ug/L #	89
36) Methylcyclohexane	9.34	83	20583	1.894	ug/L	96
40) 1,2-Dichloropropane	9.37	63	12250	2.144	ug/L	98
41) Bromodichloromethane	9.64	83	14272	2.036	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18587	2.036	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	21923	5.012	ug/L	99
44) Toluene	10.39	91	53894	2.131	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	15667m	2.136	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8969	2.003	ug/L #	85
47) Tetrachloroethene	10.86	164	11061	2.015	ug/L	95
49) 2-Hexanone	10.97	43	12522	3.982	ug/L	97
50) Dibromochloromethane	11.13	129	10158	1.978	ug/L	88
51) 1,2-Dibromoethane	11.23	107	9010	2.048	ug/L	96
52) Chlorobenzene	11.66	112	34349	2.156	ug/L	96
53) Ethylbenzene	11.73	91	57304	2.044	ug/L	94
54) m,p-Xylene	11.83	106	21434	1.992	ug/L	97
55) o-xylene	12.16	106	19485	1.919	ug/L	91
56) Styrene	12.18	104	34255	1.967	ug/L	99
57) Isopropylbenzene	12.46	105	52514	1.912	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12550	2.275	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	9124	2.217	ug/L	92
62) Bromoform	12.35	173	7014	2.150	ug/L	94
63) 1,3-Dichlorobenzene	13.50	146	25738	2.029	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	26595	2.075	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	25001	2.166	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	1987	2.186	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	19335	1.979	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	14374	1.843	ug/L	99
69) Naphthalene	15.37	128	23695	1.591	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	12725	1.794	ug/L	97

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

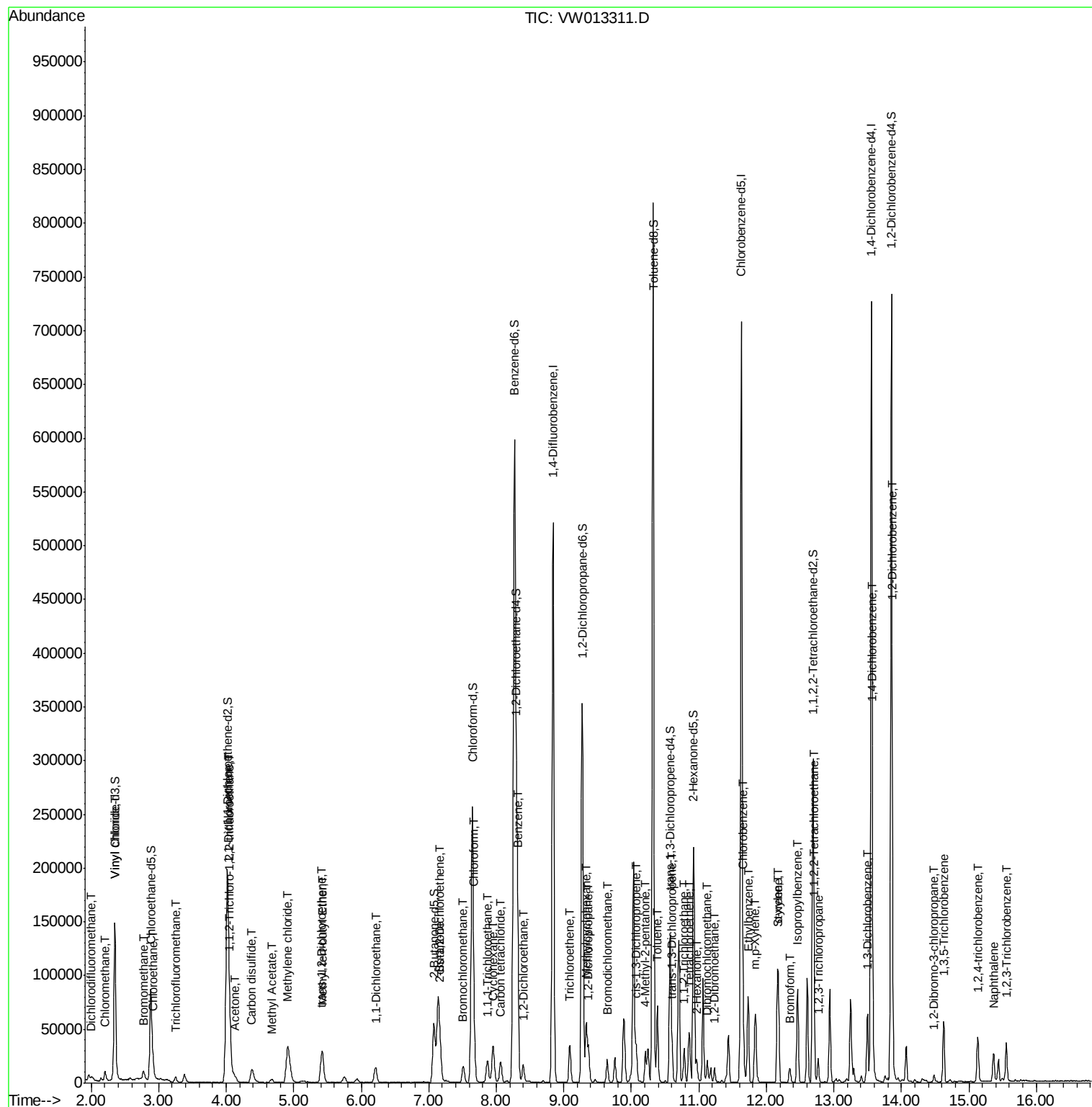
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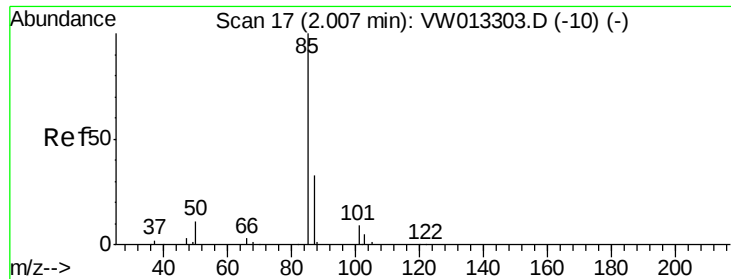
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#2

Dichlorodifluoromethane

Concen: 1.469 ug/L m

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 4227

Ion Ratio Lower Upper

85 100

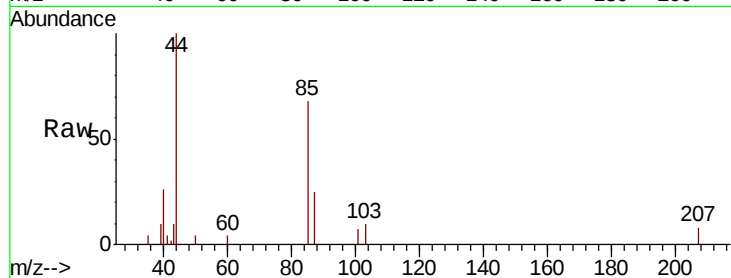
87 27.4 21.3 39.6

Manual Integrations

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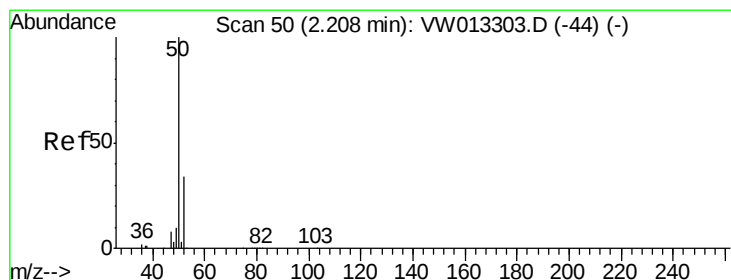
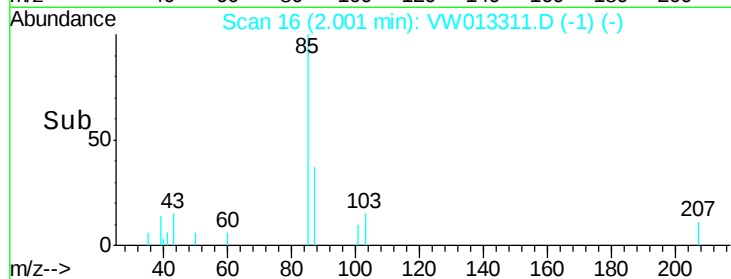
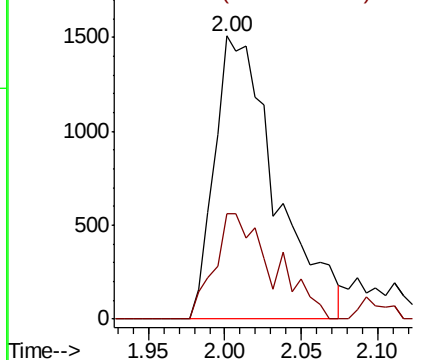
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Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.052 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013311.D

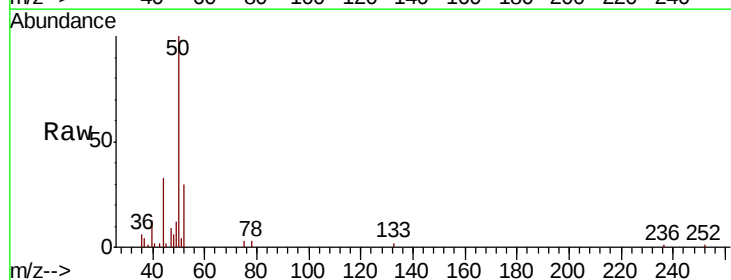
Acq: 26 Sep 2019 18:18

Tgt Ion: 50 Resp: 7911

Ion Ratio Lower Upper

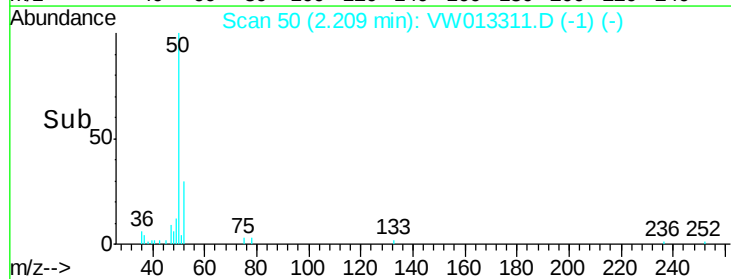
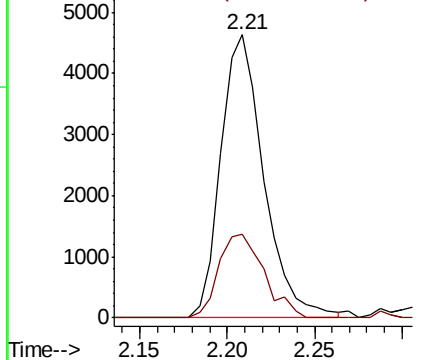
50 100

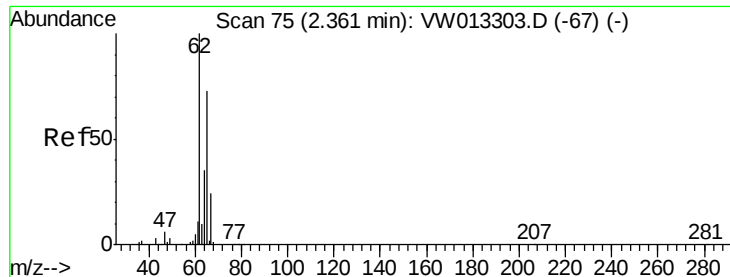
52 29.6 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.031 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 62 Resp: 10828

Ion Ratio Lower Upper

62 100

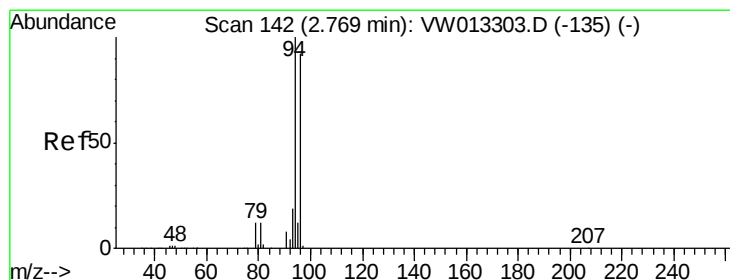
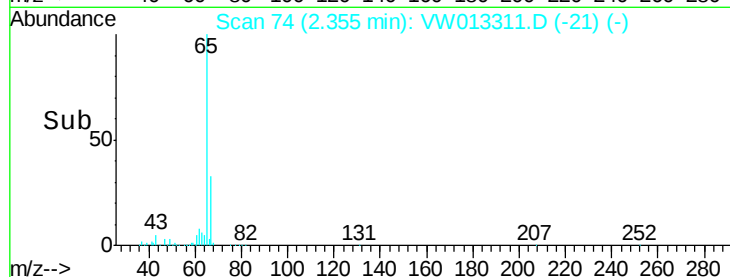
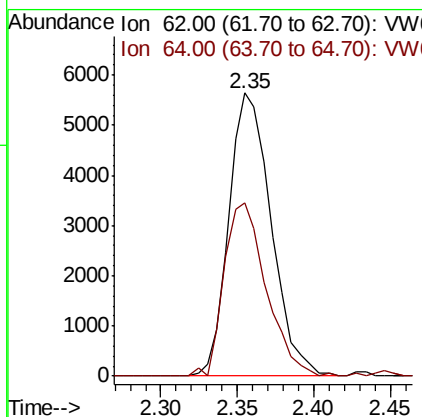
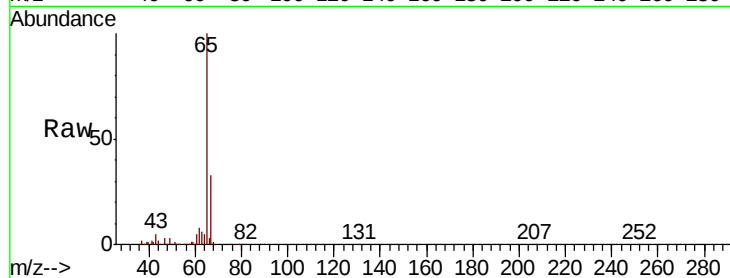
64 61.2 23.2 43.0#

Manual Integrations

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#6

Bromomethane

Concen: 2.032 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013311.D

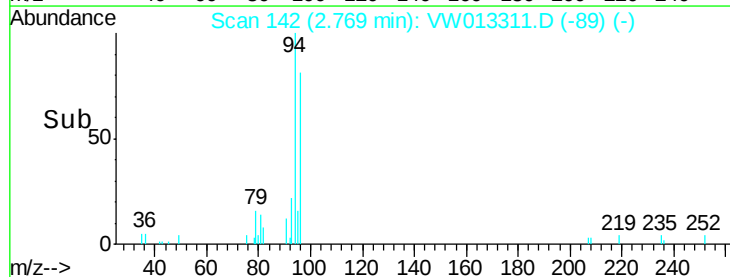
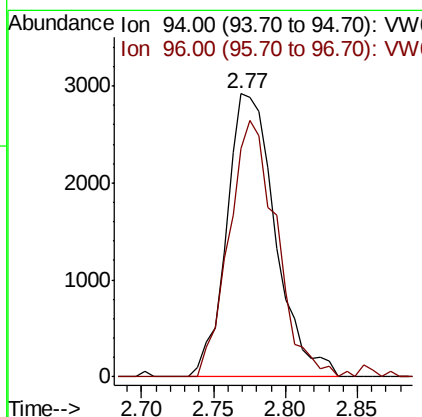
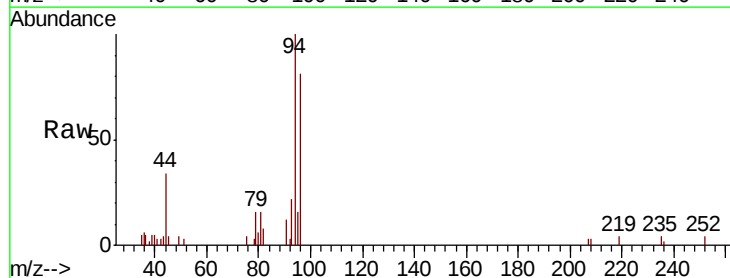
Acq: 26 Sep 2019 18:18

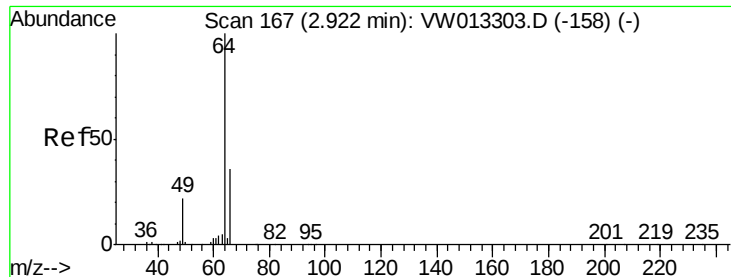
Tgt Ion: 94 Resp: 6888

Ion Ratio Lower Upper

94 100

96 87.9 9.7 184.3





#8

Chloroethane

Concen: 2.035 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 6582

Ion Ratio Lower Upper

64 100

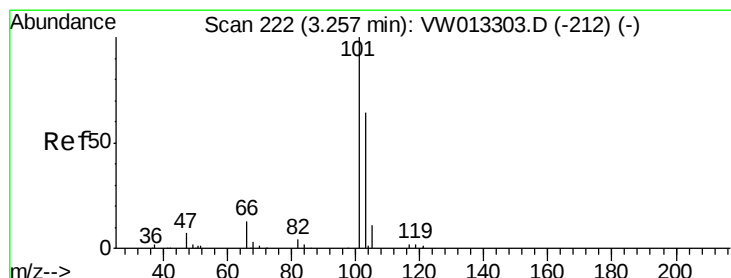
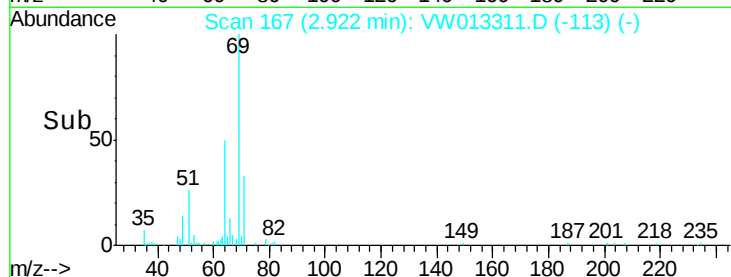
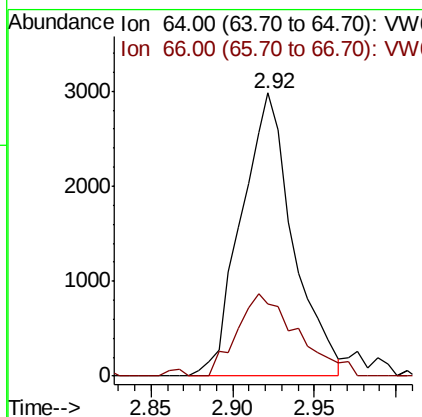
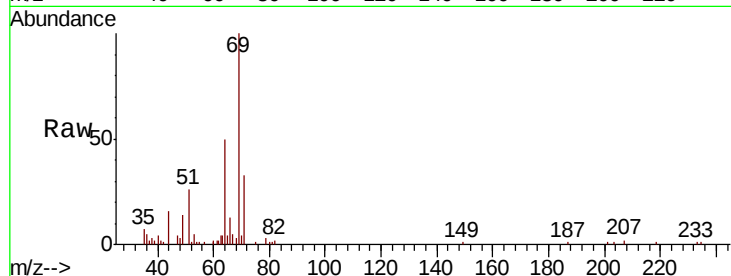
66 25.7 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.570 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013311.D

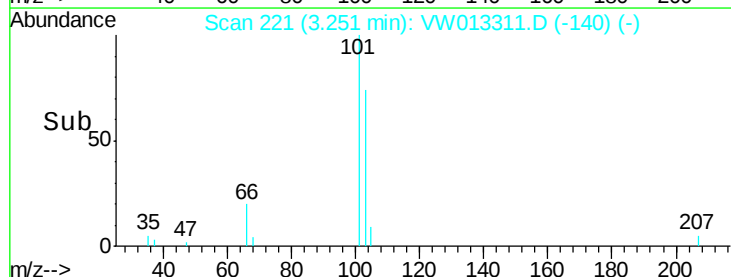
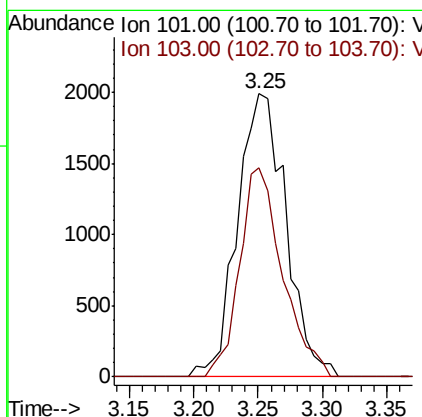
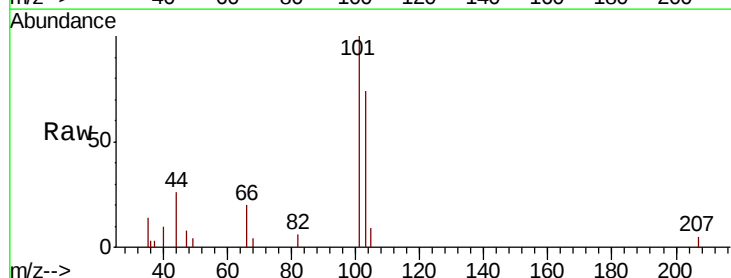
Acq: 26 Sep 2019 18:18

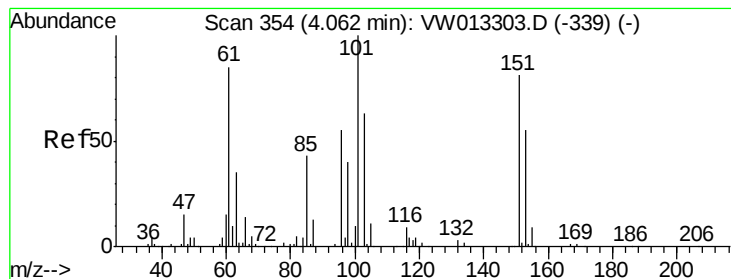
Tgt Ion: 101 Resp: 5188

Ion Ratio Lower Upper

101 100

103 65.2 45.2 84.0





#11

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

Concen: 2.495 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

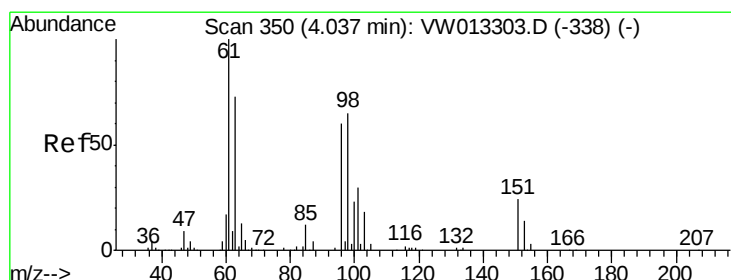
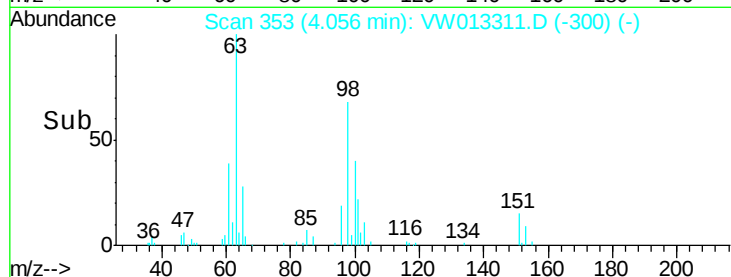
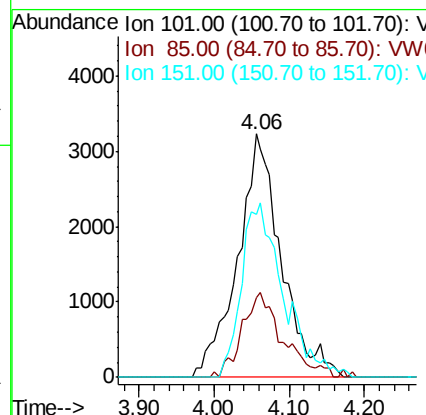
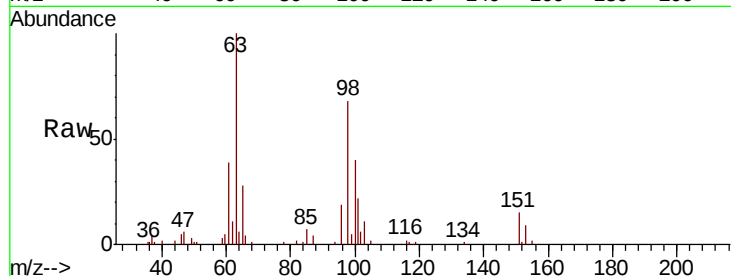
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	13028
Ion Ratio	Lower	Upper	
101	100		
85	25.4	31.8	47.8#
151	57.3	65.4	98.0#

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#12

1,1-Dichloroethene

Concen: 2.321 ug/L

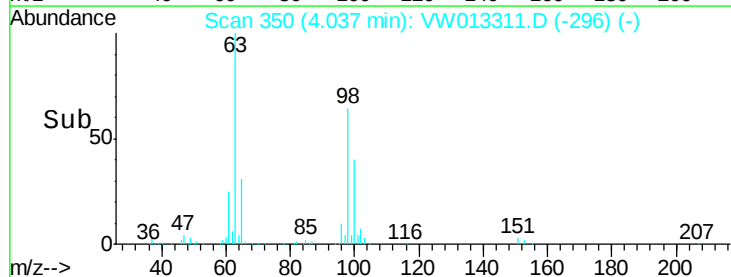
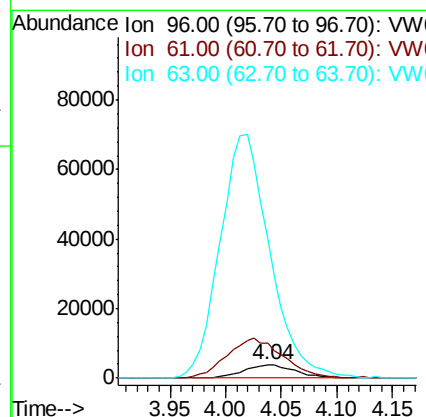
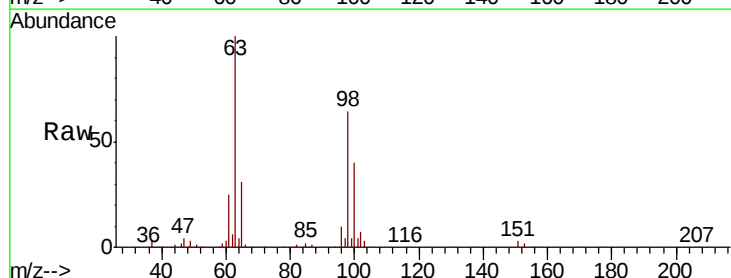
RT: 4.04 min Scan# 350

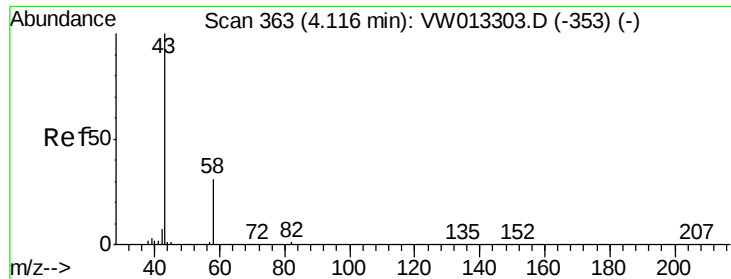
Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion:	96	Resp:	12303
Ion Ratio	Lower	Upper	
96	100		
61	265.5	115.9	215.3#
63	1050.5	88.9	165.1#





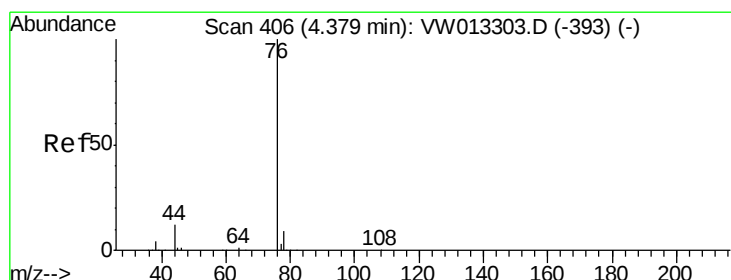
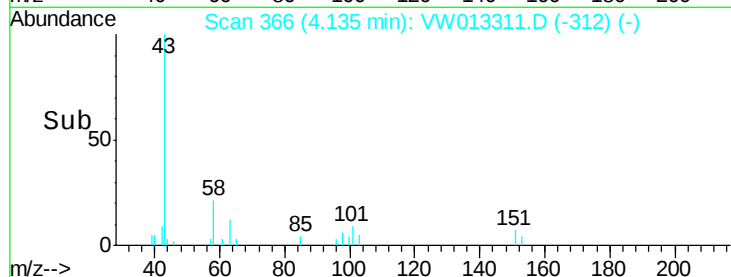
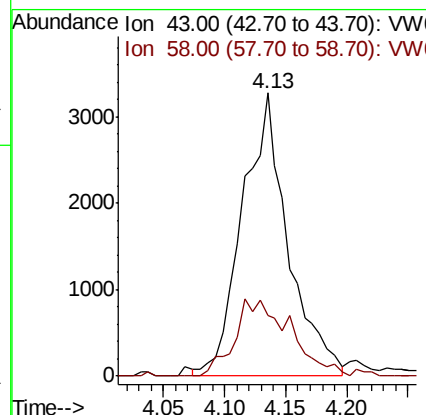
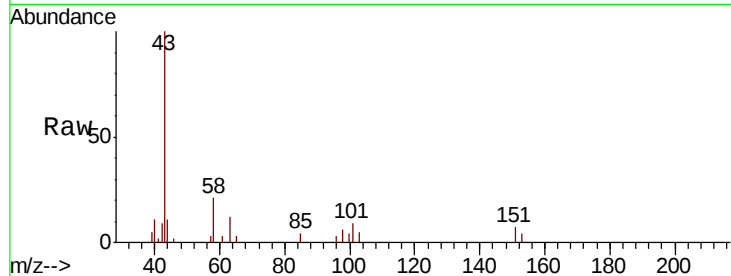
#13
Acetone
Concen: 5.410 ug/L
RT: 4.13 min Scan# 366
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion: 43 Resp: 8532
Ion Ratio Lower Upper
43 100
58 15.7 0.0 63.2

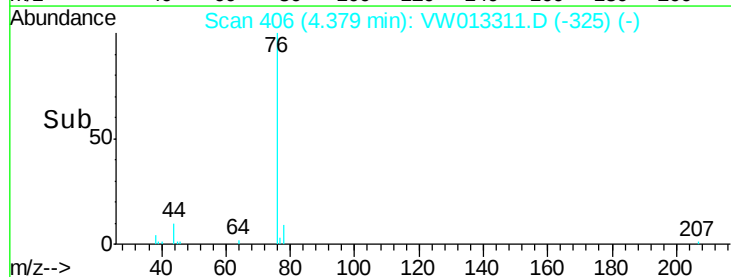
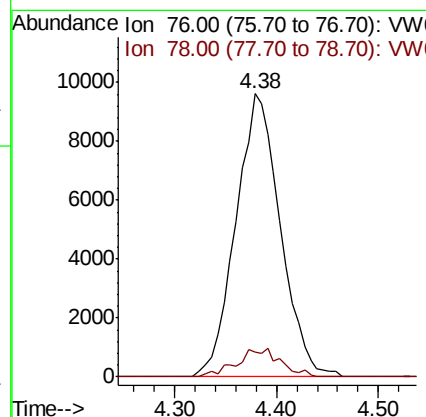
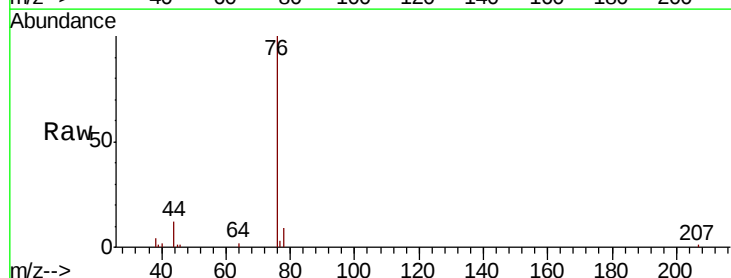
Manual Integrations
APPROVED

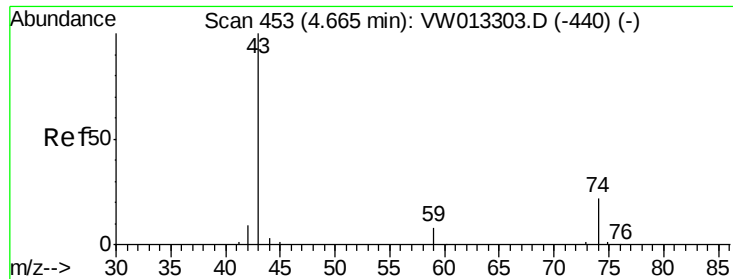
MMDadoda
10/9/2019 2:13:37 PM



#14
Carbon disulfide
Concen: 1.934 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion: 76 Resp: 29089
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 2.147 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 43 Resp: 6532

Ion Ratio Lower Upper

43 100

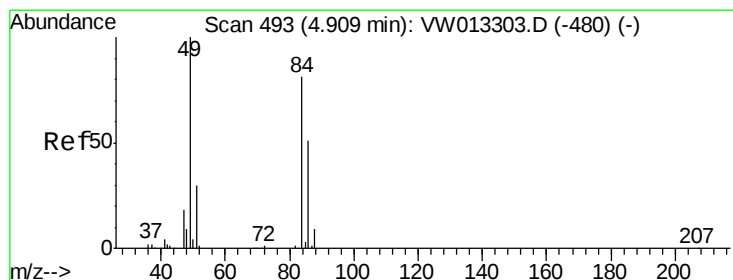
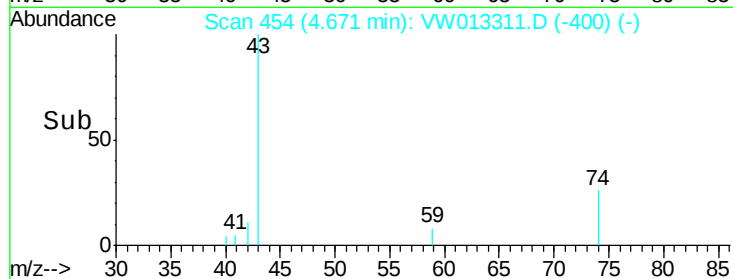
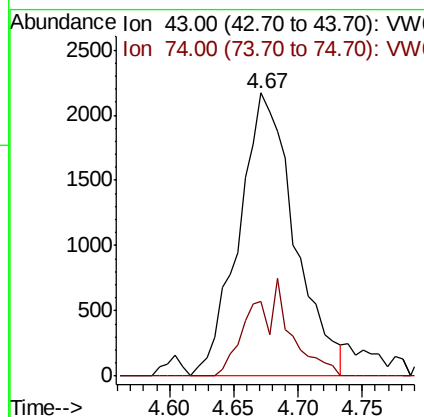
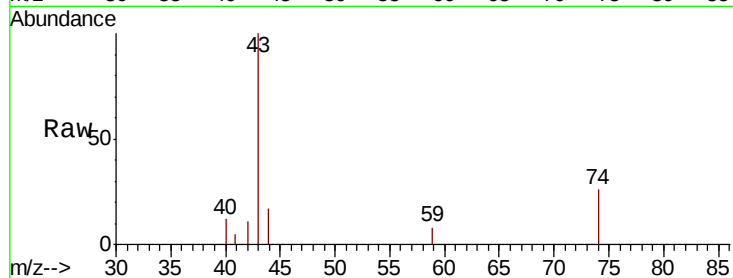
74 13.0 18.7 28.1#

Manual Integrations

APPROVED

MMDadoda

10/9/2019 2:13:37 PM



#16

Methylene chloride

Concen: 4.403 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

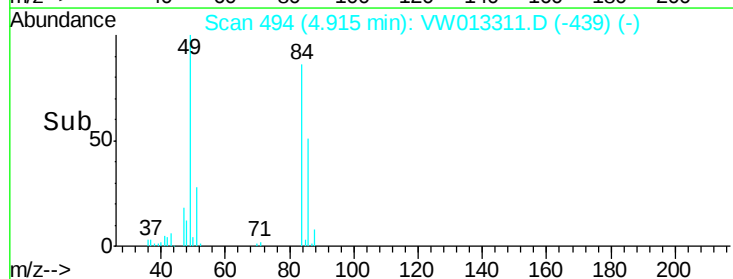
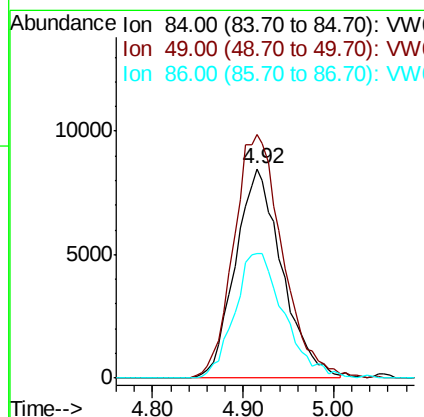
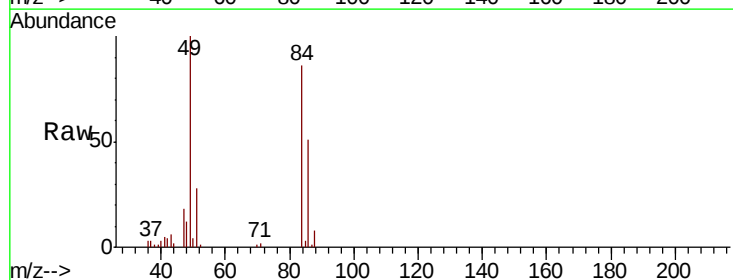
Tgt Ion: 84 Resp: 30244

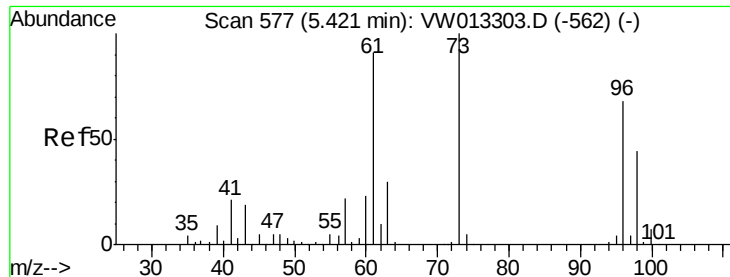
Ion Ratio Lower Upper

84 100

49 116.3 84.8 157.4

86 59.4 44.0 81.6





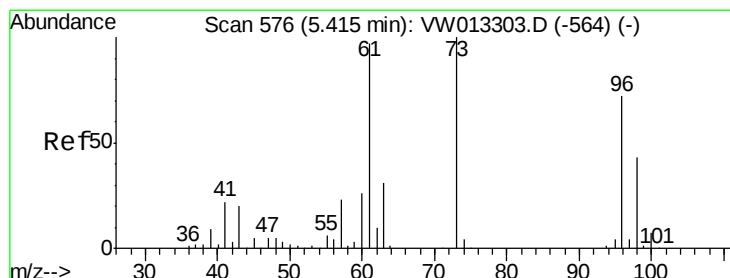
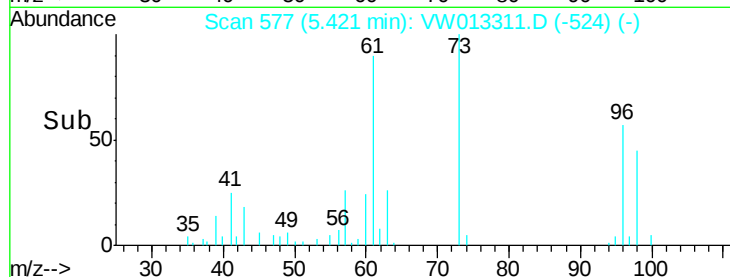
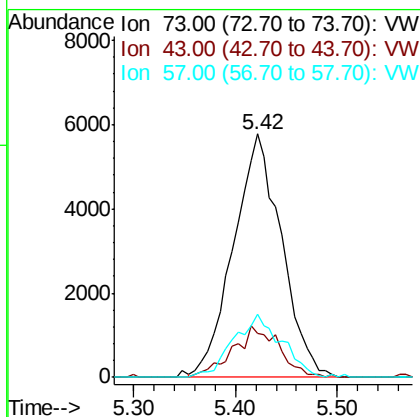
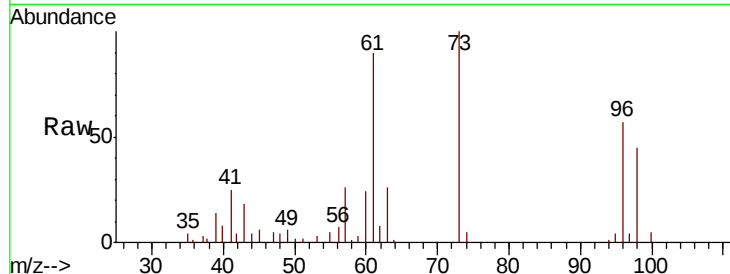
#17
Methvl tert-butvl Ether
Concen: 2.061 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
43	3.1	15.3	22.9#
57	17.1	18.2	27.4#

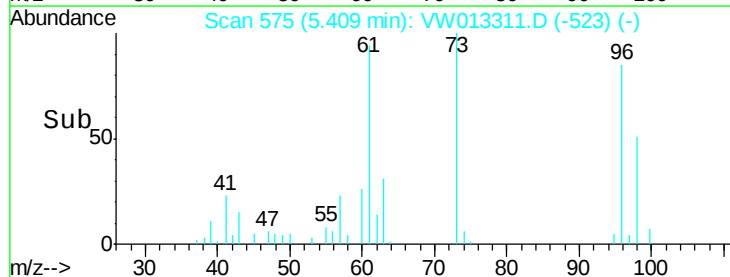
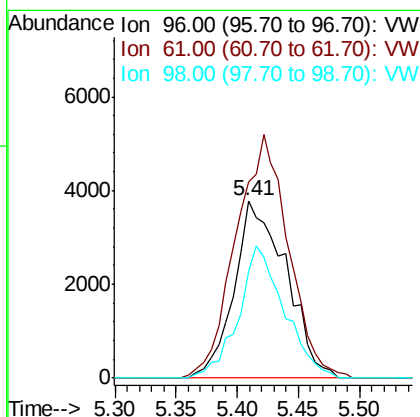
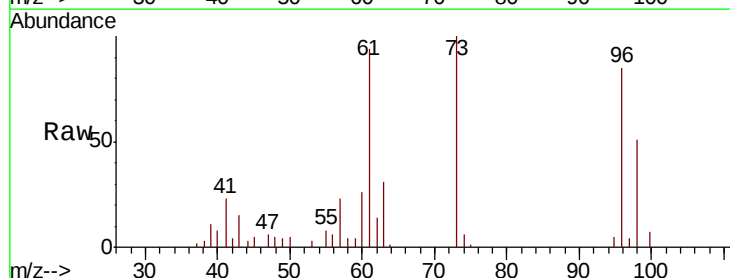
Manual Integrations
APPROVED

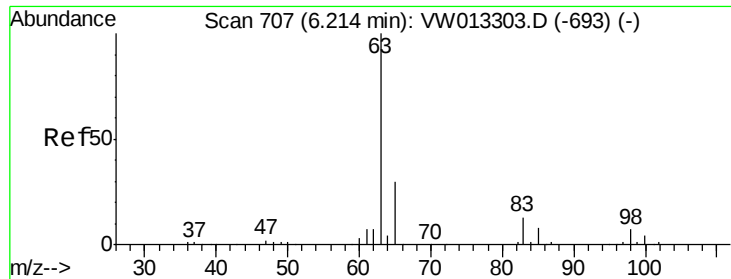
MMDadoda
10/9/2019 2:13:37 PM



#18
trans-1,2-Dichloroethene
Concen: 1.965 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	110.5	91.2	169.4
98	60.4	44.7	82.9





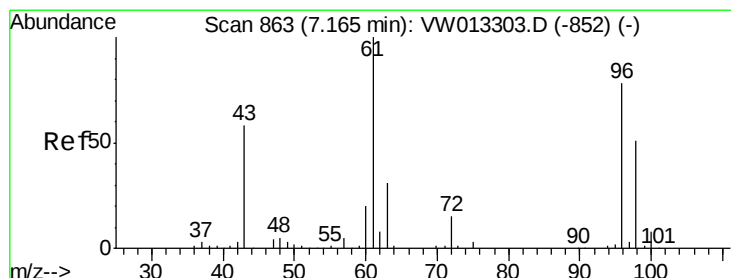
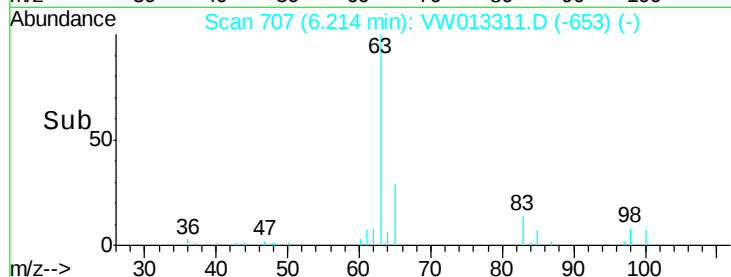
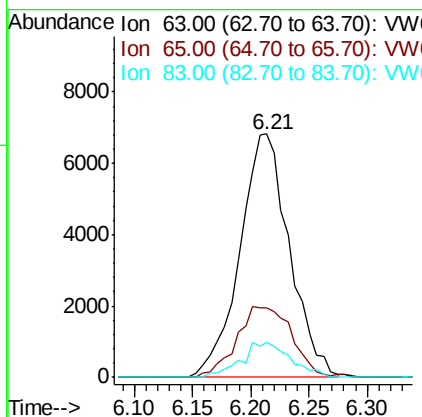
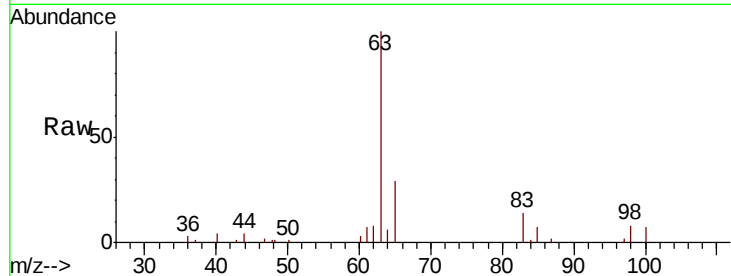
#19
 1,1-Dichloroethane
 Concen: 2.034 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion:	63	Resp:	20214
Ion	Ratio	Lower	Upper
63	100		
65	28.6	21.8	40.4
83	14.5	9.3	17.3

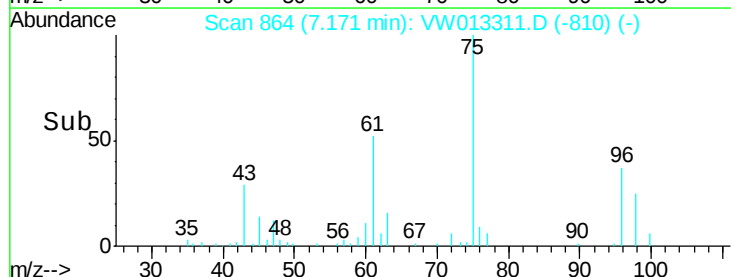
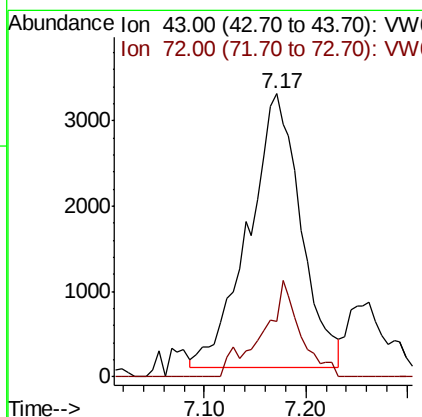
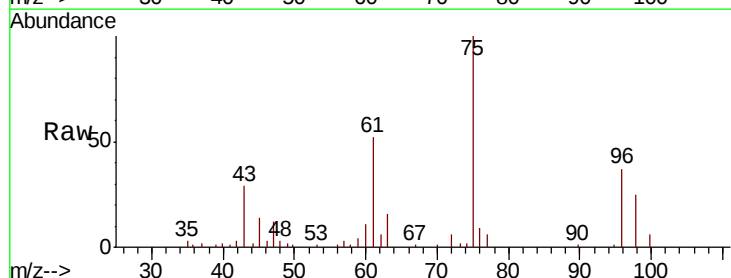
Manual Integrations
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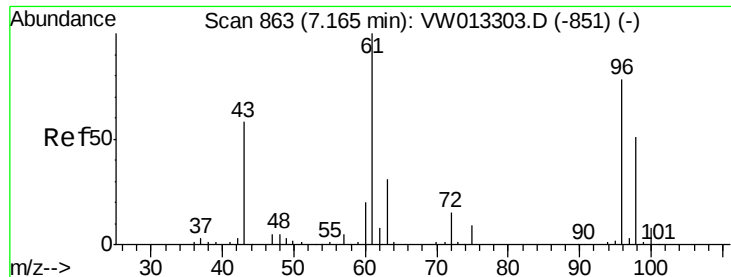
MMDadoda
 10/9/2019 2:13:37 PM



#21
 2-Butanone
 Concen: 5.036 ug/L m
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion:	43	Resp:	11439
Ion	Ratio	Lower	Upper
43	100		
72	22.1	13.2	39.6





#22

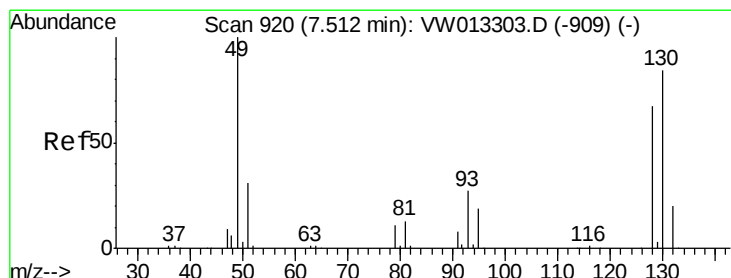
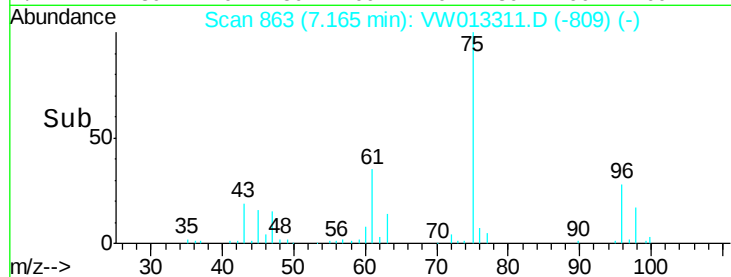
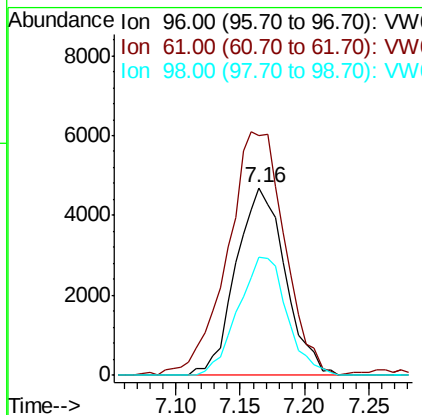
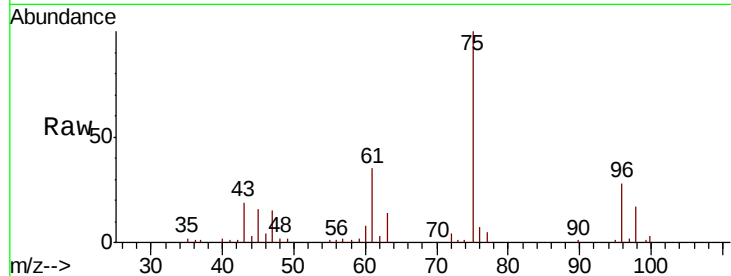
cis-1,2-Dichloroethene
Concen: 2.020 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		12473		
61	127.9	86.0	159.6		
98	63.1	43.5	80.9		

Manual Integrations
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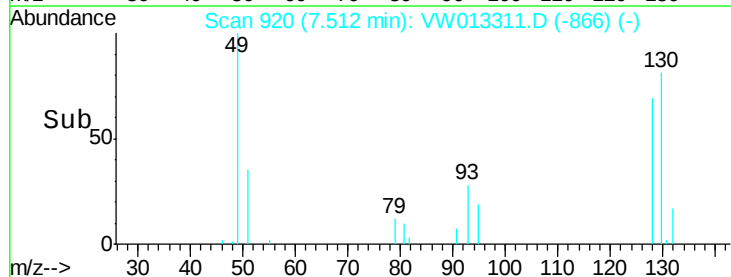
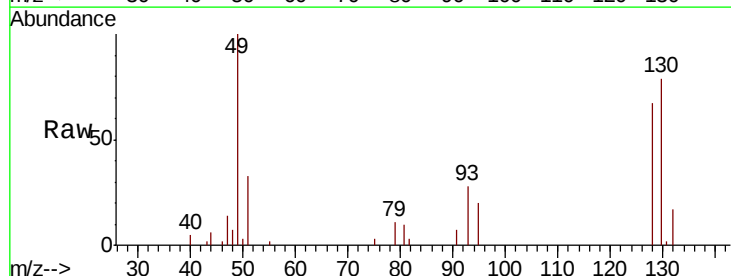
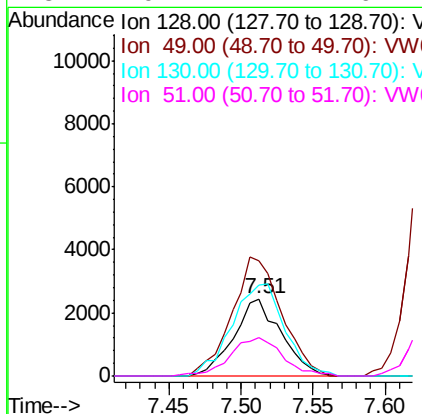
MMDadoda
10/9/2019 2:13:37 PM

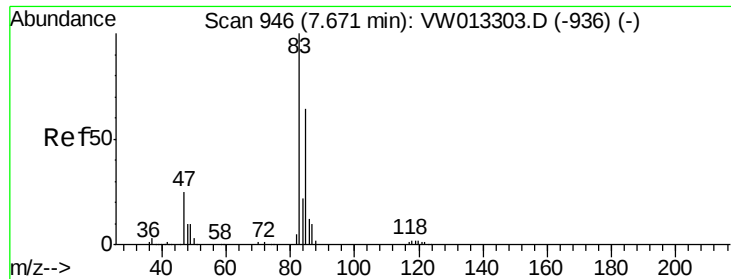


#23

Bromochloromethane
Concen: 2.025 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		5626		
49	148.3	114.6	212.8		
130	117.3	92.6	172.0		
51	49.7	42.7	64.1		





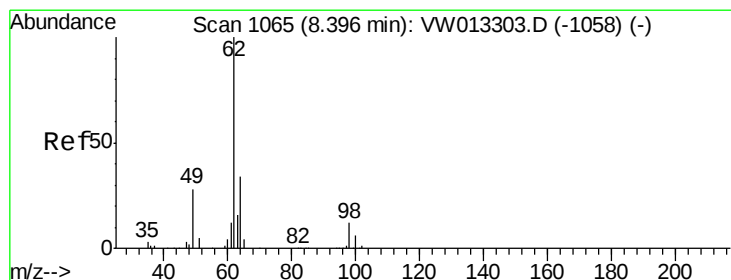
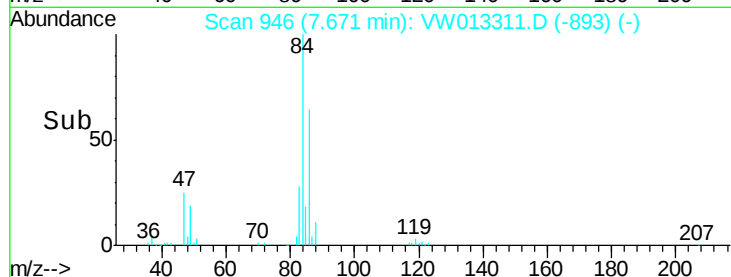
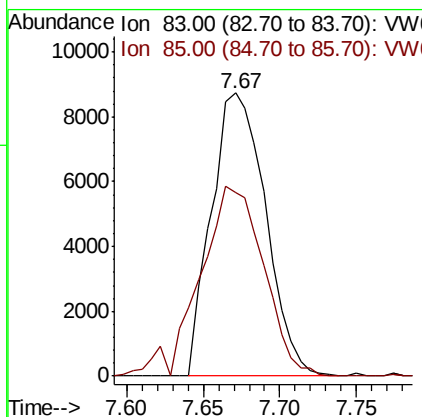
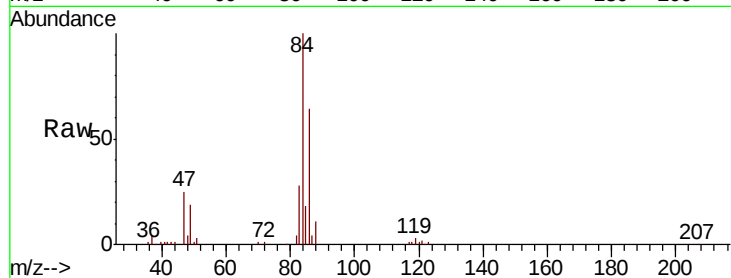
#25
Chloroform
Concen: 2.205 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	83	Resp	21538
Ion Ratio	100	Lower	Upper
85	75.8	45.9	85.3

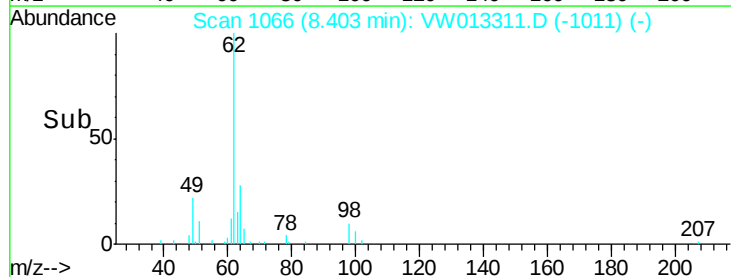
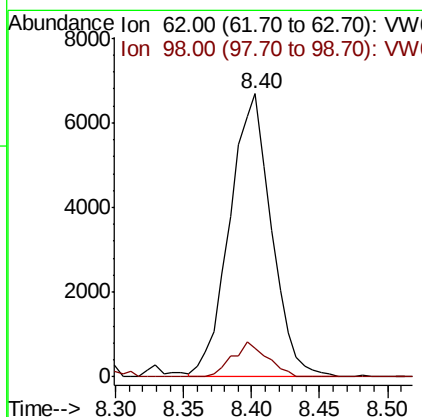
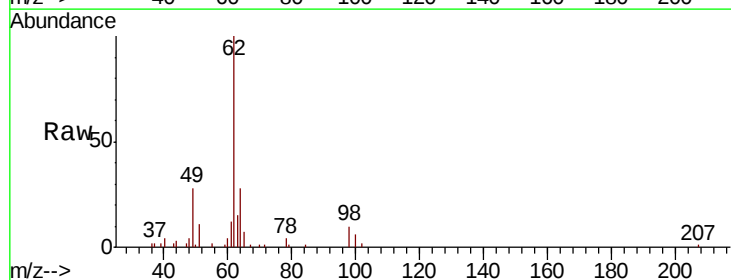
Manual Integrations
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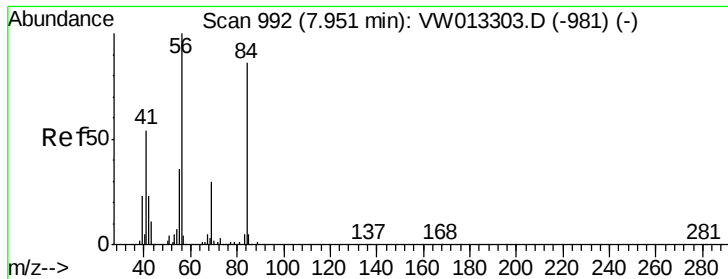
MMDadoda
10/9/2019 2:13:37 PM



#27
1,2-Dichloroethane
Concen: 2.227 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion	62	Resp	14247
Ion Ratio	100	Lower	Upper
98	10.1	9.0	13.6





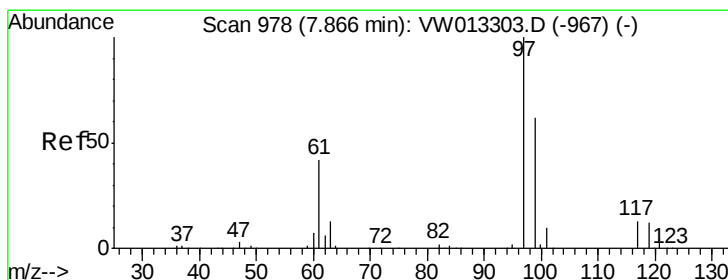
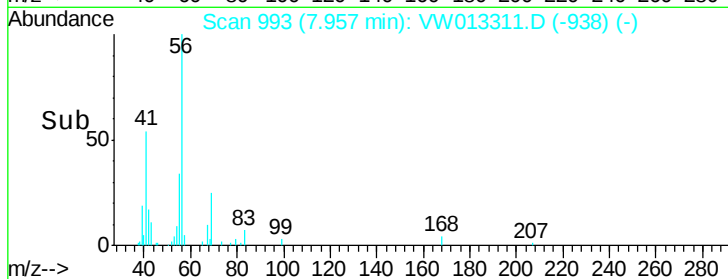
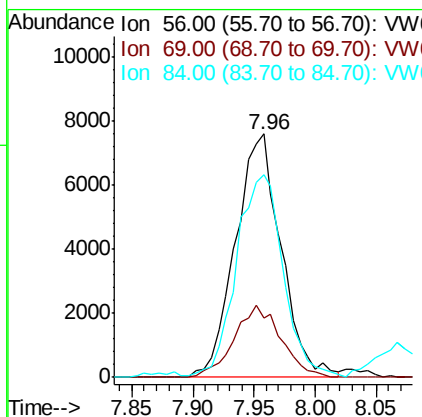
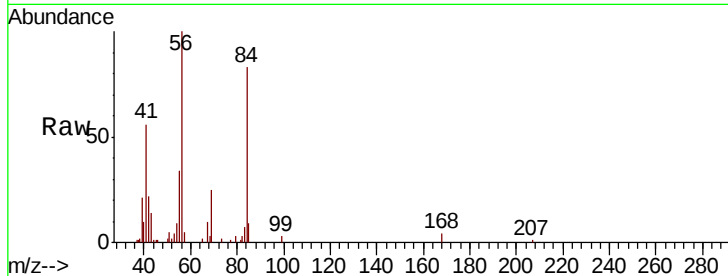
#30
Cyclohexane
Concen: 1.989 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.6	37.0
84	85.4	69.5	104.3

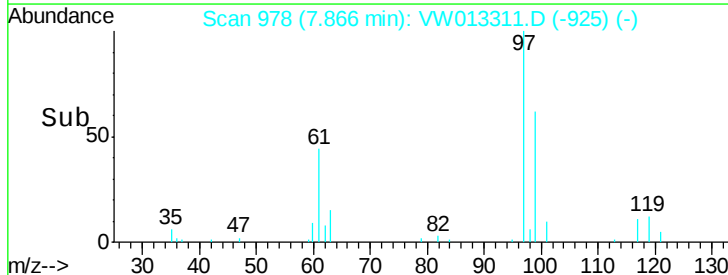
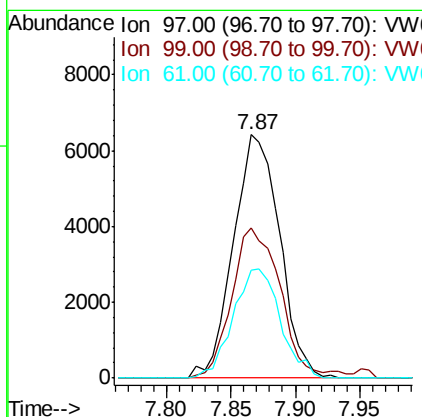
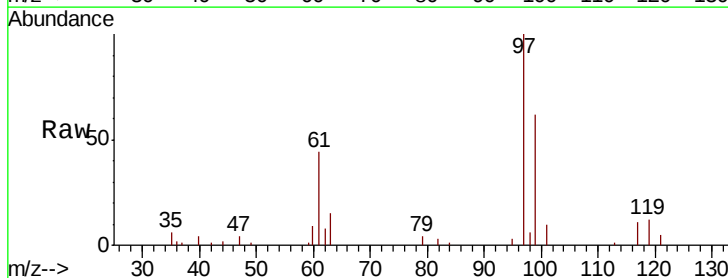
Manual Integrations
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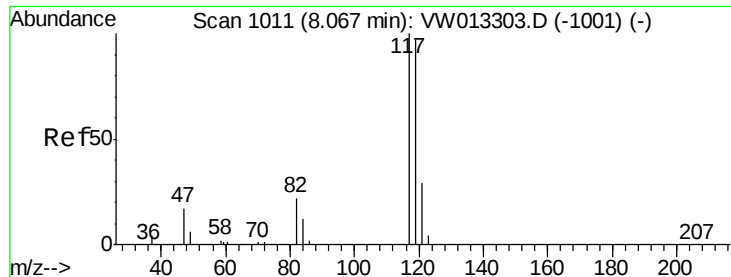
MMDadoda
10/9/2019 2:13:37 PM



#31
1,1,1-Trichloroethane
Concen: 2.021 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	75.8
61	45.6	34.2	51.2





#32

Carbon tetrachloride

Concen: 1.943 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion:117 Resp: 14727

Ion Ratio Lower Upper

117 100

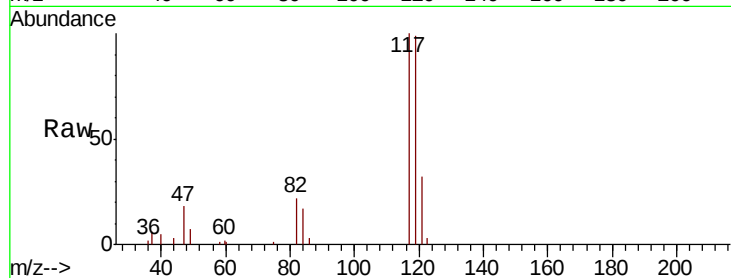
119 100.6 76.7 115.1

Manual Integrations

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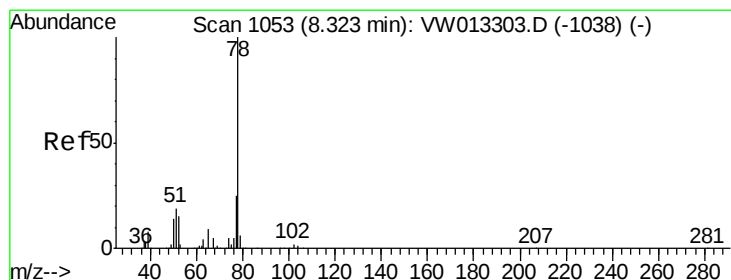
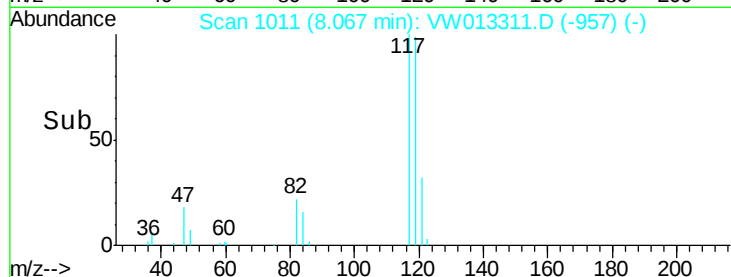
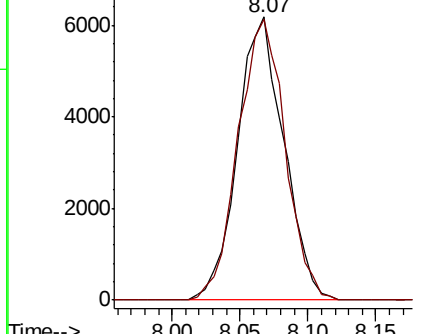
MMDadoda

10/9/2019 2:13:37 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.100 ug/L

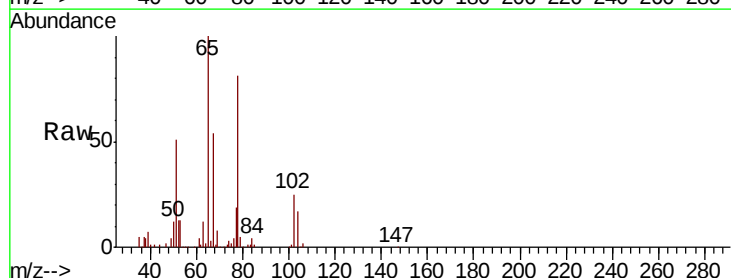
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

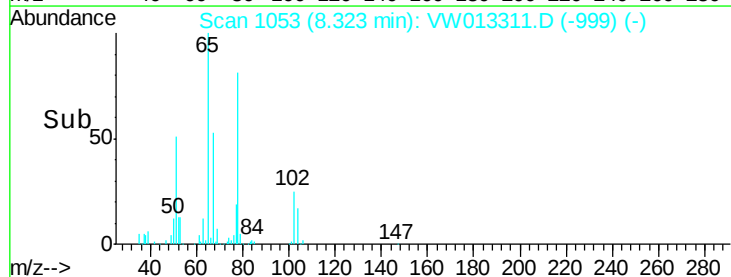
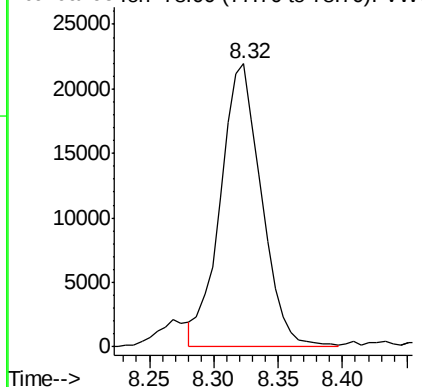
Lab File: VW013311.D

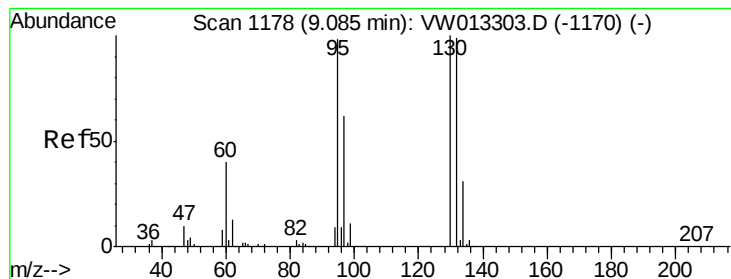
Acq: 26 Sep 2019 18:18

Tgt Ion: 78 Resp: 48766



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.141 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

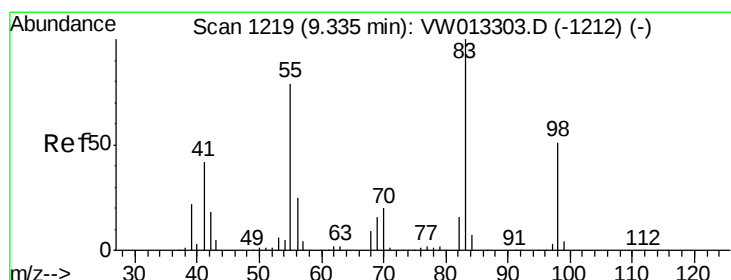
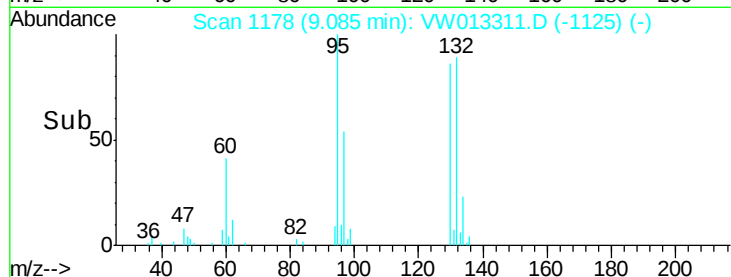
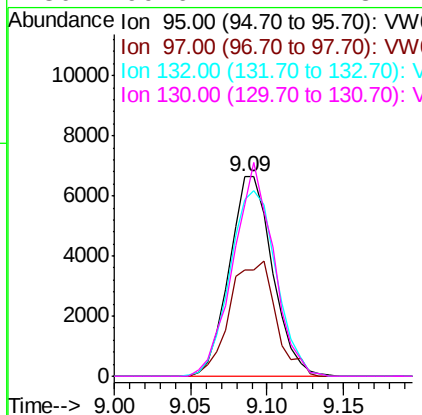
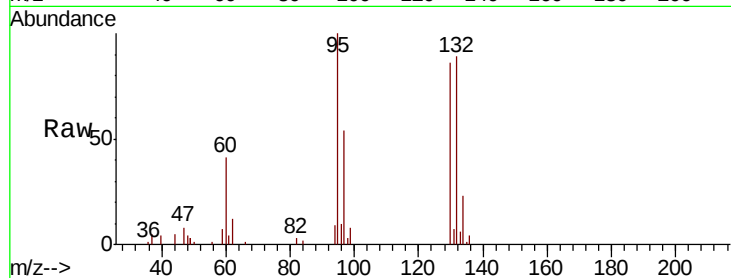
ClientSampled :

MDL07

Tot Ion	95	Resp	13061
Ion	Ratio	Lower	Upper
95	100		
97	37.2	44.3	82.3#
132	99.8	71.7	133.3
130	99.6	74.1	137.7

Manual Integrations
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MMDadoda
10/9/2019 2:13:37 PM



#36

Methylcyclohexane

Concen: 1.894 ug/L

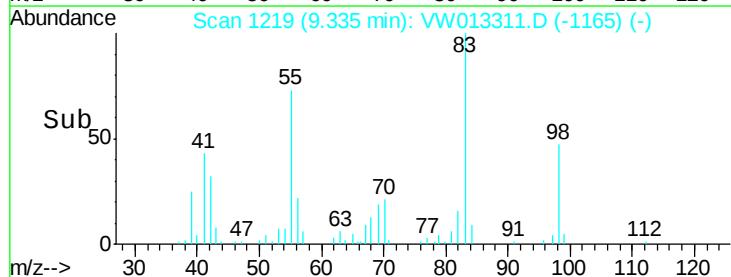
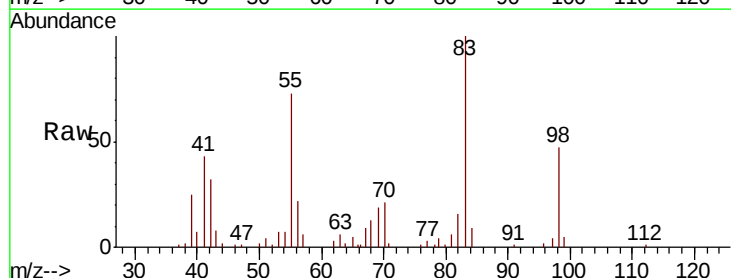
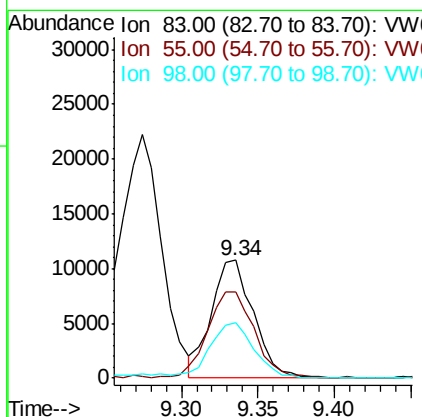
RT: 9.34 min Scan# 1219

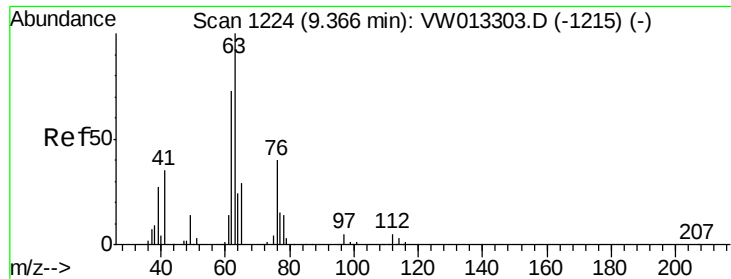
Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion	83	Resp	20583
Ion	Ratio	Lower	Upper
83	100		
55	82.0	61.8	92.6
98	49.7	39.6	59.4





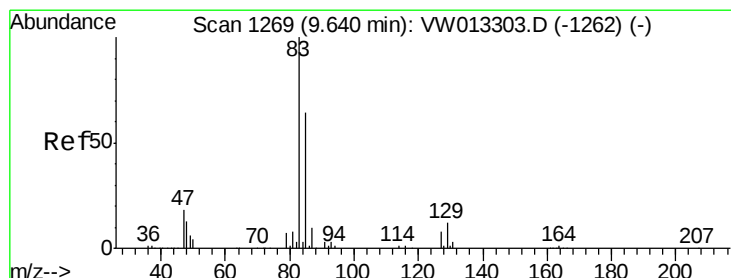
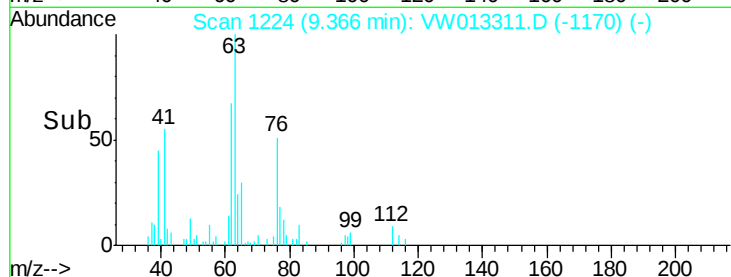
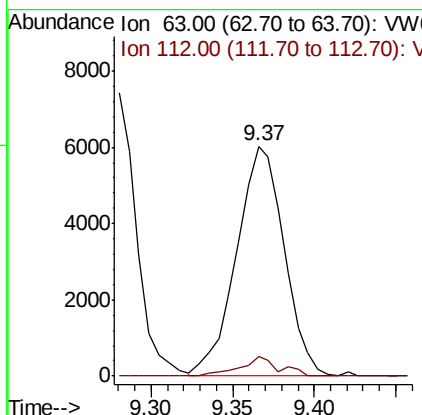
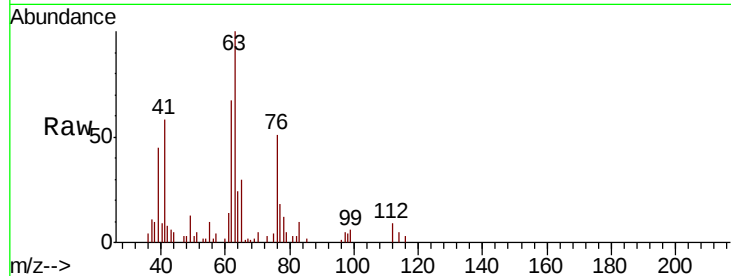
#40
 1,2-Dichloropropane
 Concen: 2.144 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Resp	Lower	Upper
63	100	12250		
112	5.6	4.1	6.1	

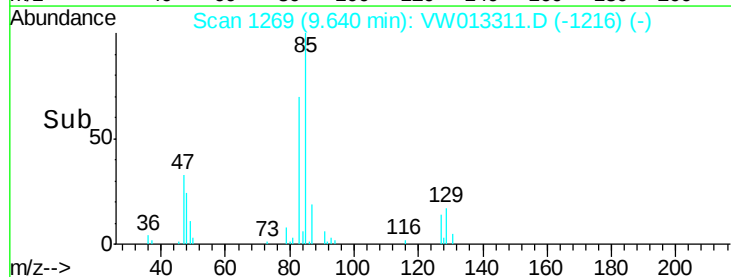
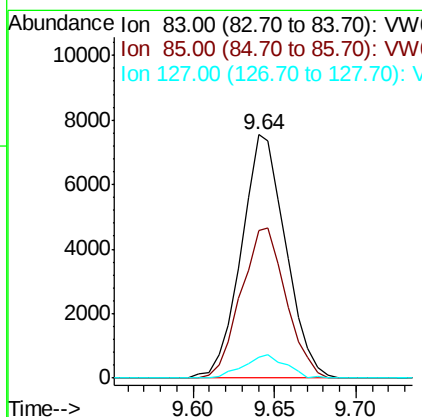
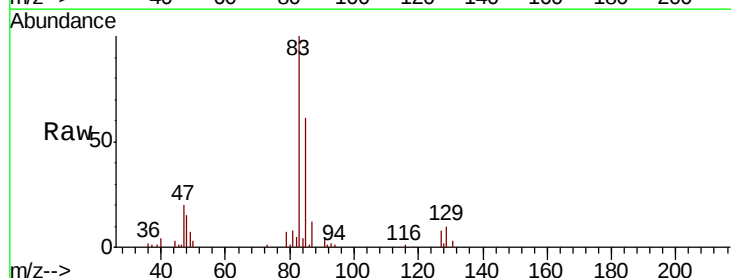
Manual Integrations
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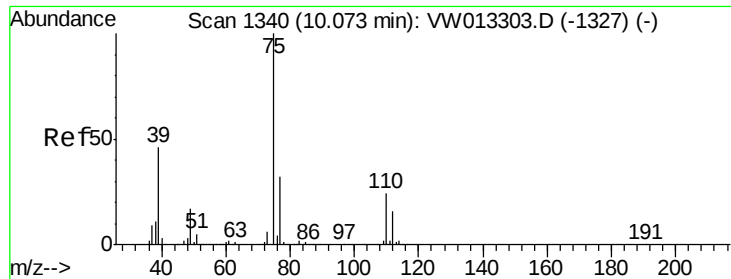
MMDadoda
 10/9/2019 2:13:37 PM



#41
 Bromodichloromethane
 Concen: 2.036 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	14272		
85	60.8	43.8	81.4	
127	8.4	7.0	10.6	





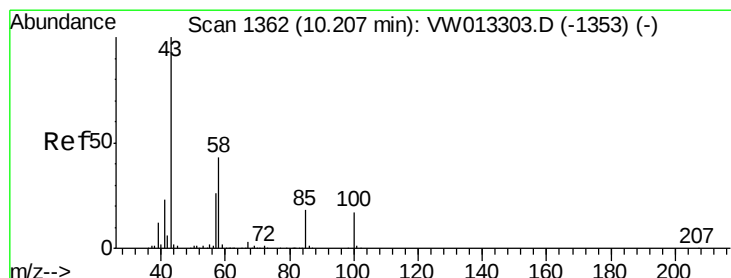
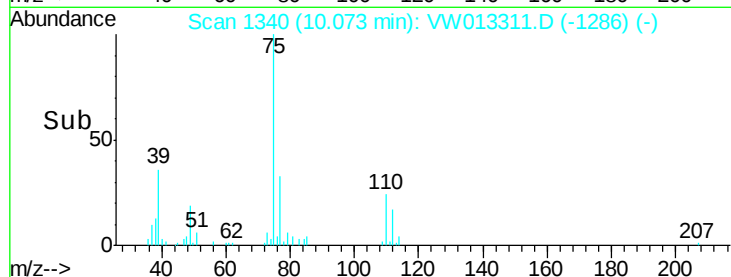
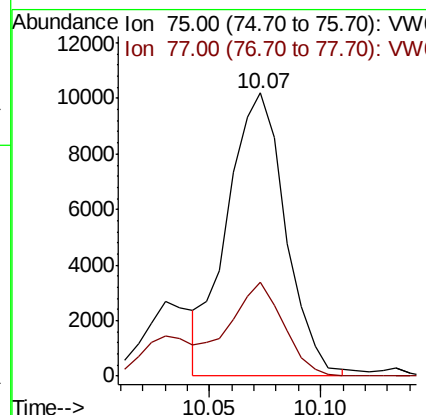
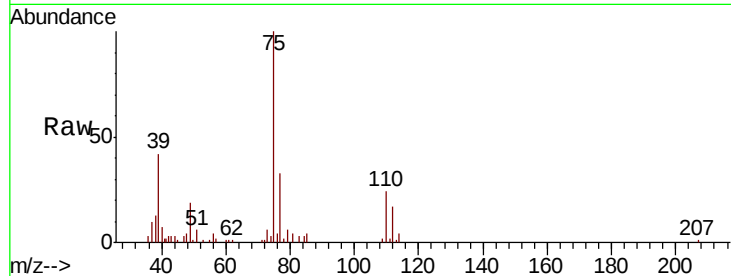
#42
 cis-1,3-Dichloropropene
 Concen: 2.036 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 18587
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.3 39.5

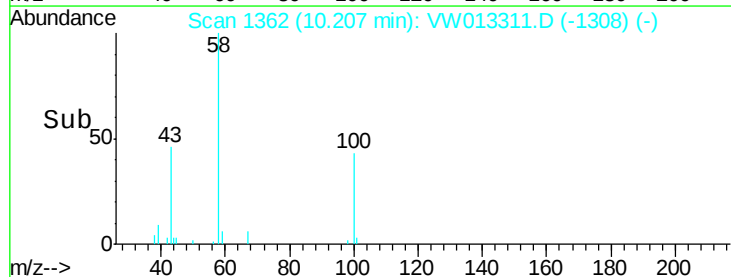
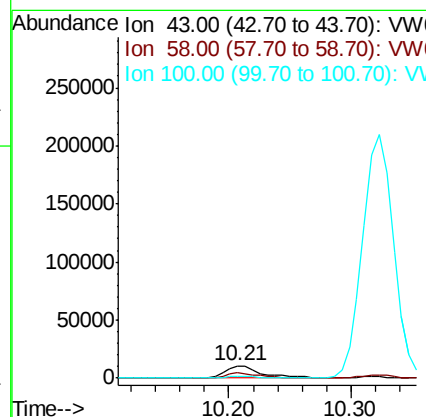
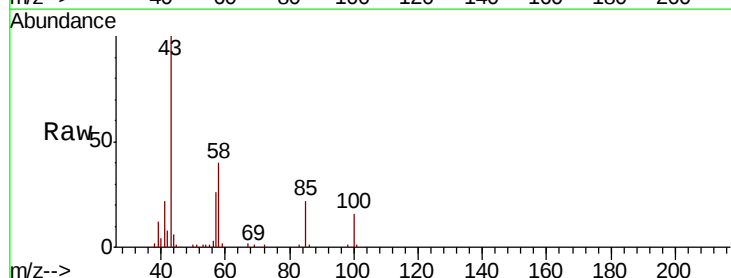
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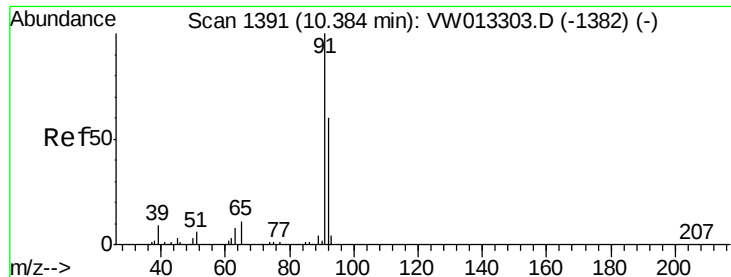
MMDadoda
 10/9/2019 2:13:37 PM



#43
 4-Methyl-2-pentanone
 Concen: 5.012 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion: 43 Resp: 21923
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.7 49.1
 100 14.9 12.9 19.3





#44

Toluene

Concen: 2.131 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 53894

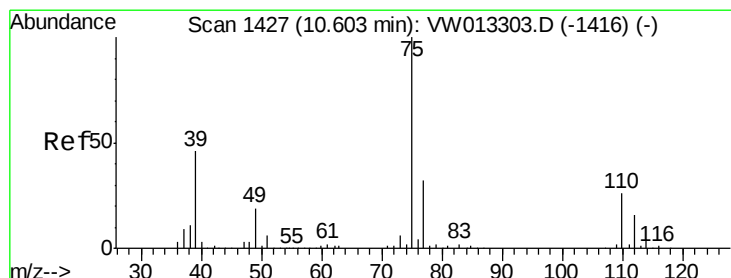
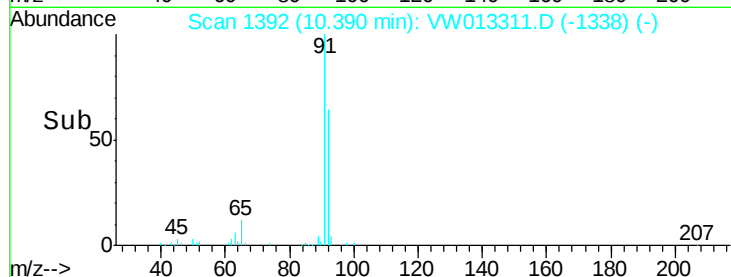
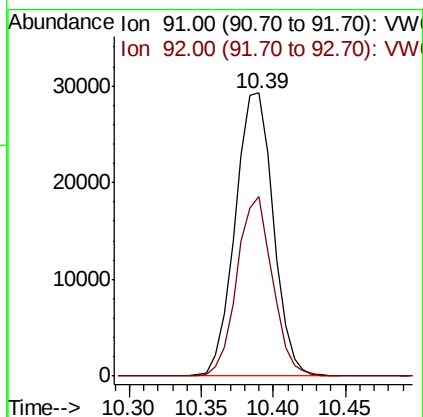
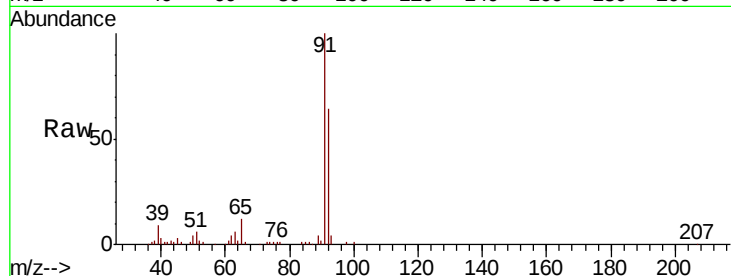
Ion Ratio Lower Upper

91 100

92 63.7 41.5 77.1

Manual Integrations
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10/9/2019 2:13:37 PM



#45

trans-1,3-Dichloropropene

Concen: 2.136 ug/L m

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW013311.D

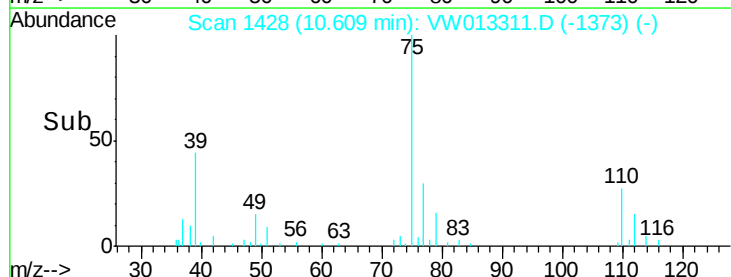
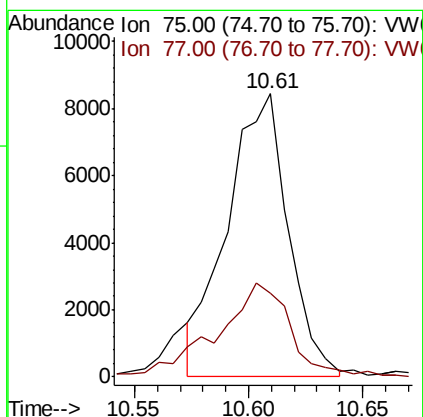
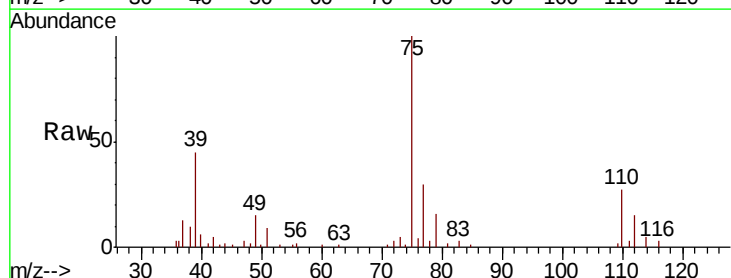
Acq: 26 Sep 2019 18:18

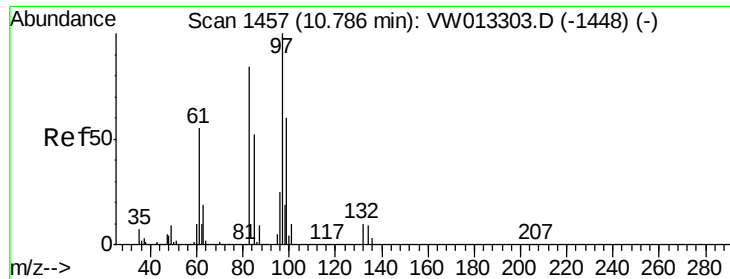
Tgt Ion: 75 Resp: 15667

Ion Ratio Lower Upper

75 100

77 29.6 20.5 38.1





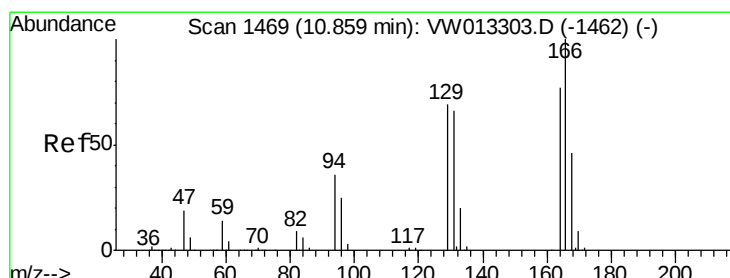
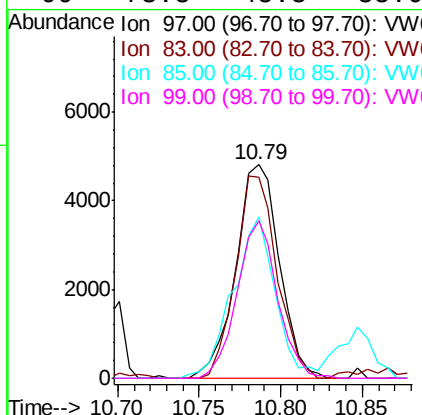
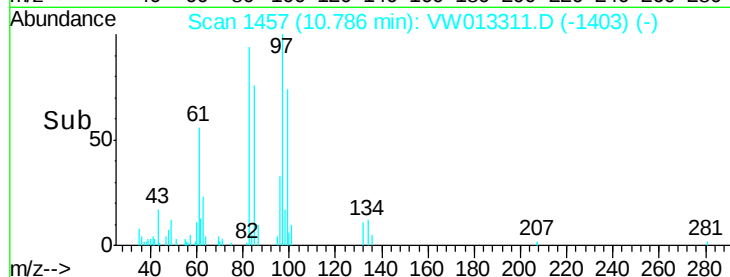
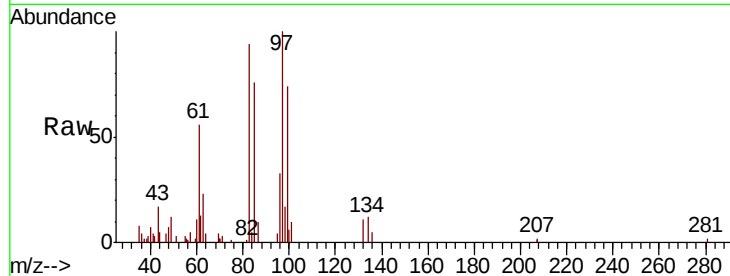
#46
 1,1,2-Trichloroethane
 Concen: 2.003 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.2	59.4	110.2
85	75.6	38.7	71.9#
99	73.8	45.8	85.0

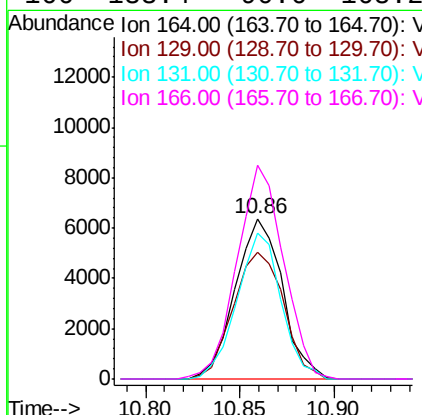
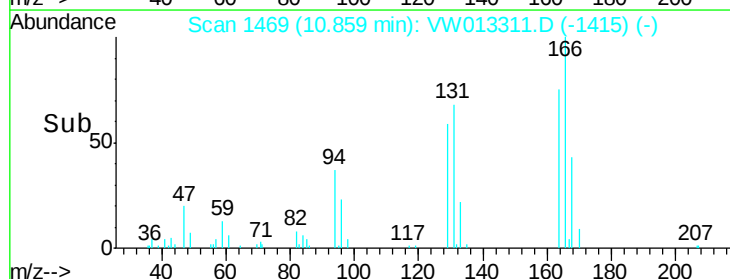
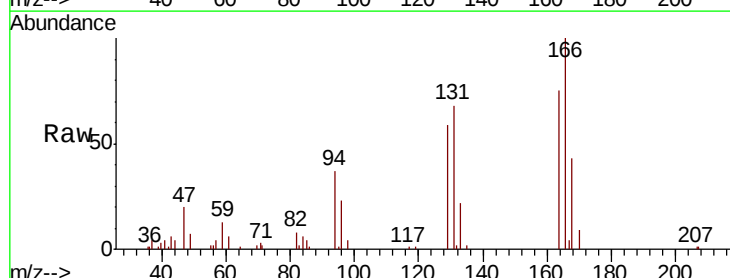
Manual Integrations
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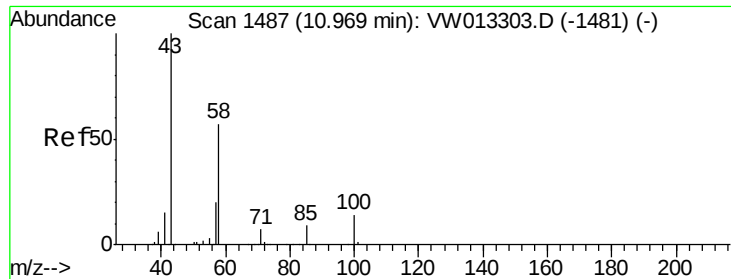
MMDadoda
 10/9/2019 2:13:37 PM



#47
 Tetrachloroethene
 Concen: 2.015 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
129	79.1	60.5	112.5
131	91.2	60.6	112.6
166	133.4	90.6	168.2





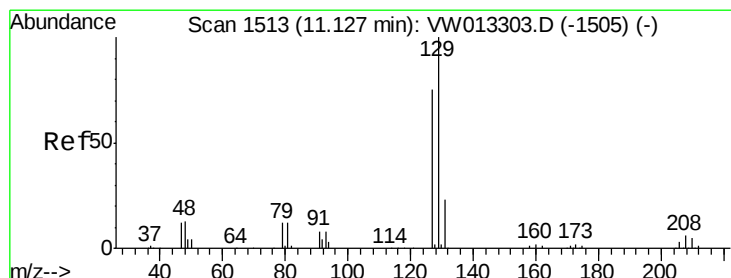
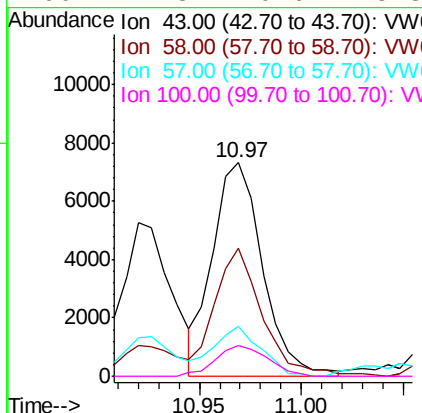
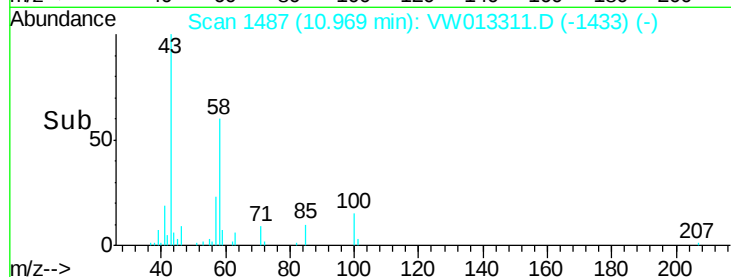
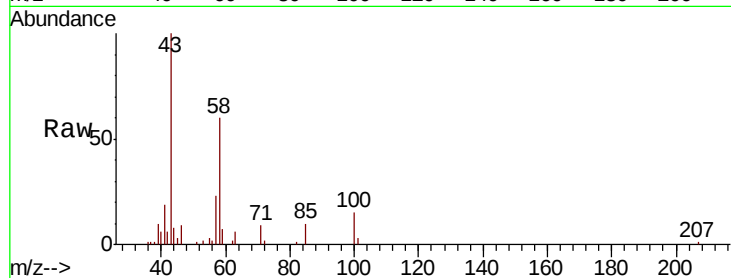
#49
2-Hexanone
Concen: 3.982 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion:	43	Resp:	12522
Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.3	66.5
57	22.0	15.3	22.9
100	14.8	10.6	15.8

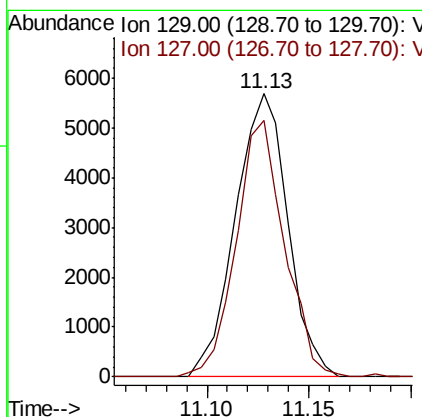
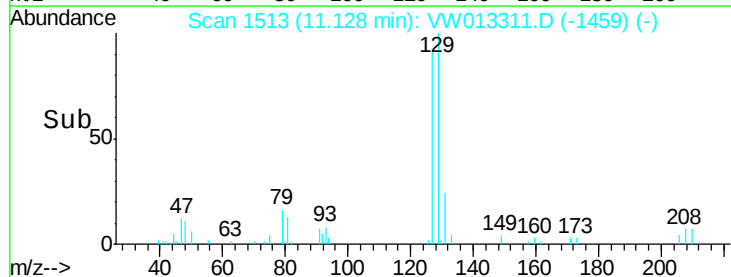
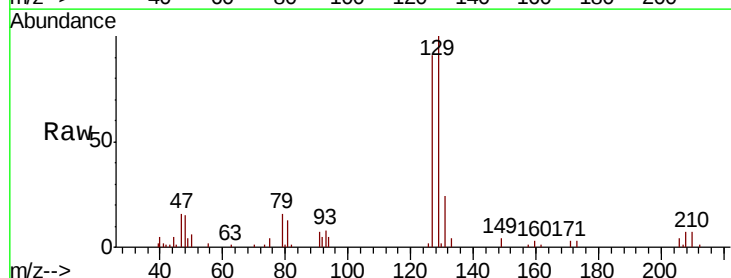
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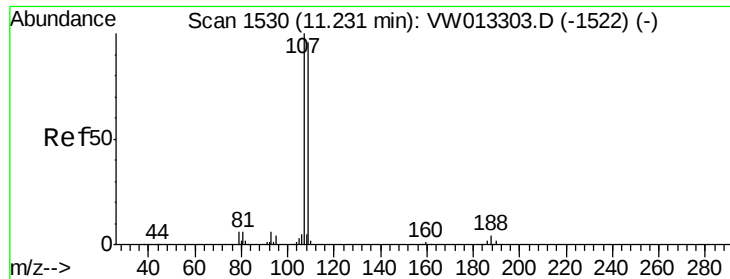
MMDadoda
10/9/2019 2:13:37 PM



#50
Dibromochloromethane
Concen: 1.978 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion:	129	Resp:	10158
Ion	Ratio	Lower	Upper
129	100		
127	90.6	56.1	104.1





#51

1,2-Dibromoethane

Concen: 2.048 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

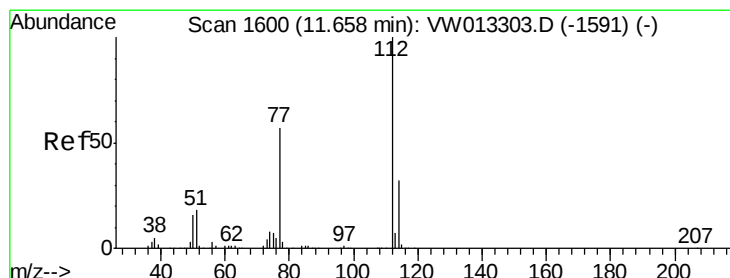
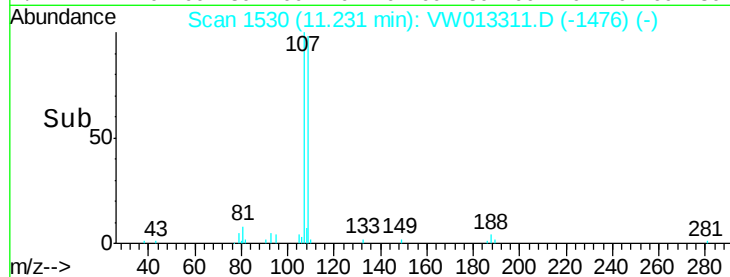
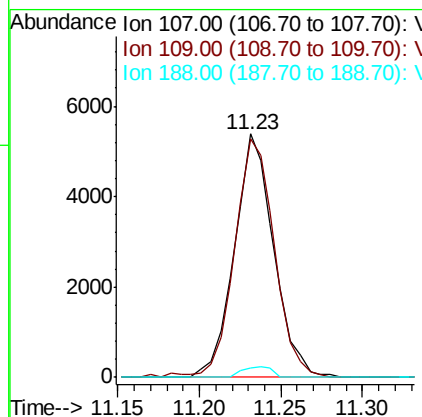
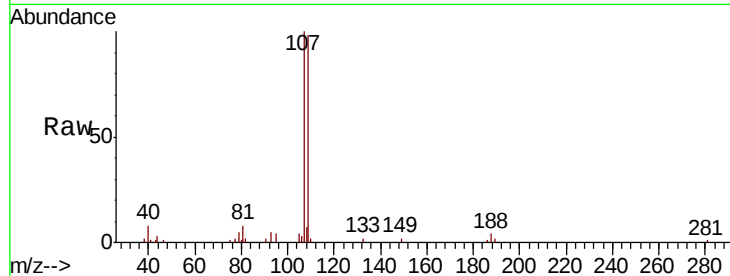
ClientSampleId :

MDL07

Tot Ion:	107	Resp:	9010
Ion Ratio	Lower	Upper	
107	100		
109	97.9	65.5	121.6
188	3.8	3.0	4.6

Manual Integrations
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MMDadoda
10/9/2019 2:13:37 PM



#52

Chlorobenzene

Concen: 2.156 ug/L

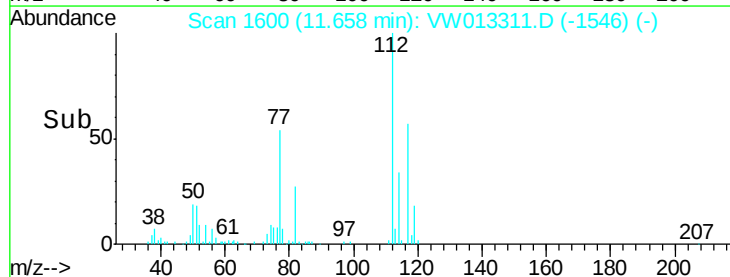
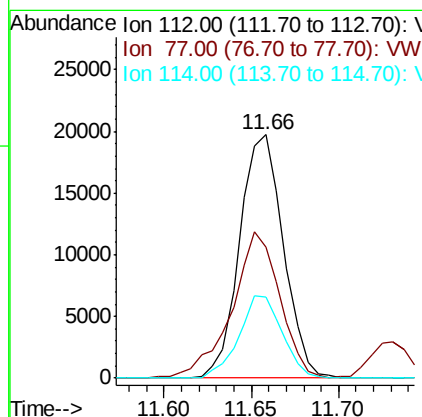
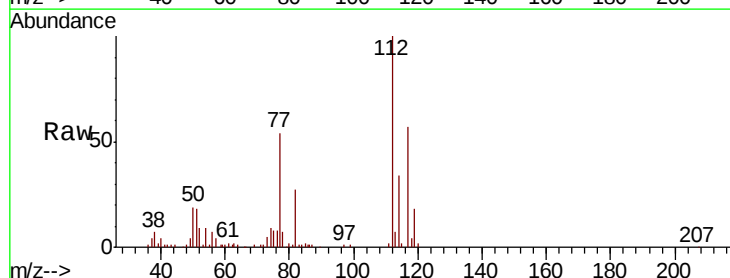
RT: 11.66 min Scan# 1600

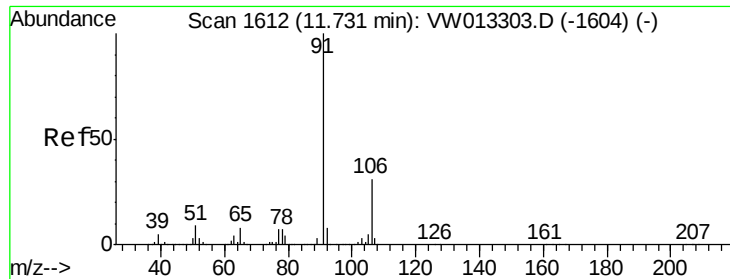
Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion:	112	Resp:	34349
Ion Ratio	Lower	Upper	
112	100		
77	53.8	46.5	69.7
114	33.5	23.0	42.8





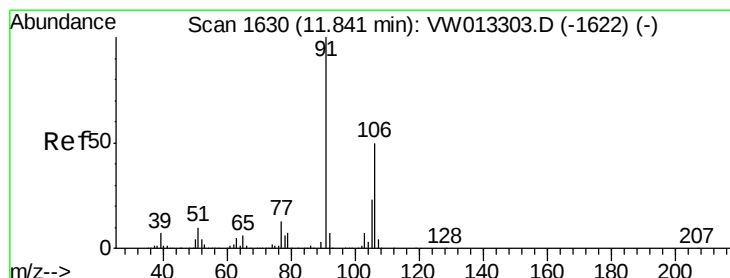
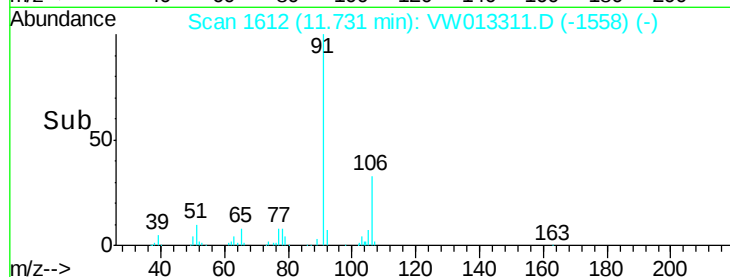
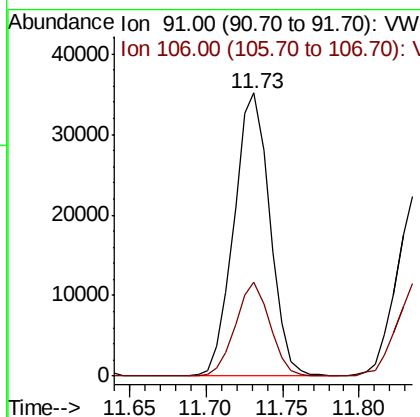
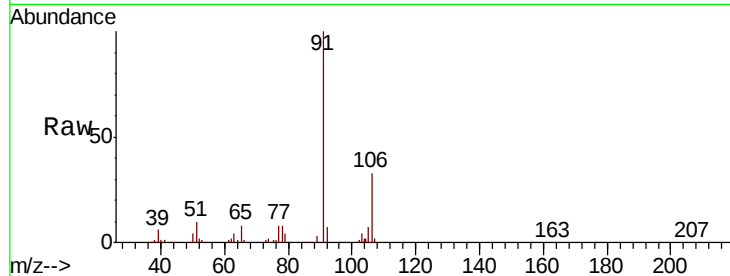
#53
Ethylbenzene
Concen: 2.044 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion: 91 Resp: 57304
Ion Ratio Lower Upper
91 100
106 33.0 20.8 38.6

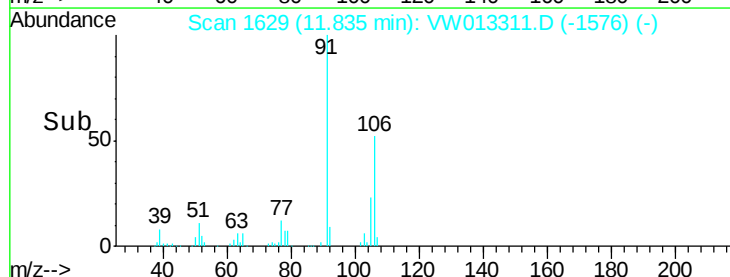
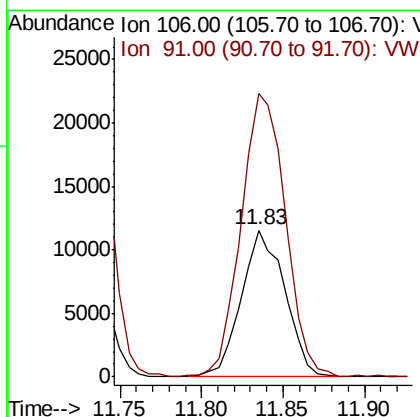
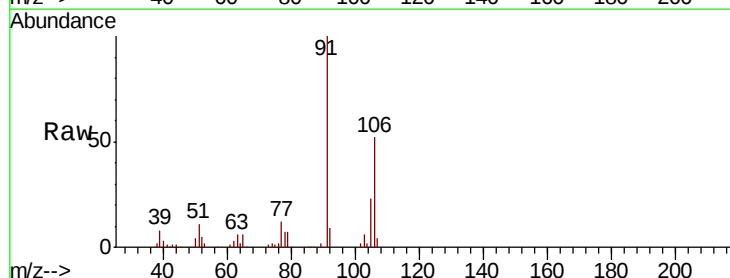
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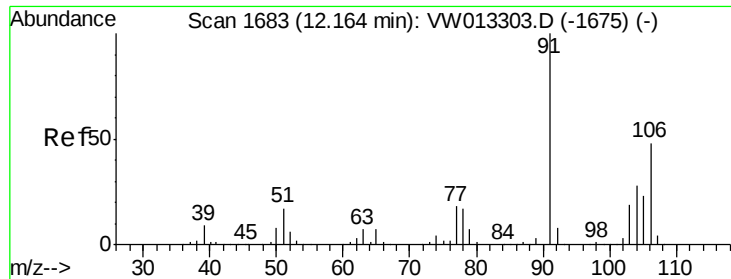
MMDadoda
10/9/2019 2:13:37 PM



#54
m,p-Xylene
Concen: 1.992 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion: 106 Resp: 21434
Ion Ratio Lower Upper
106 100
91 193.0 138.3 256.9





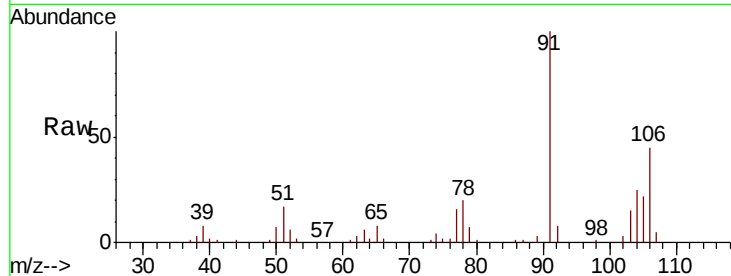
#55
o-xylene
Concen: 1.919 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Instrument :
MSVOA_W
ClientSampleId :
MDL07

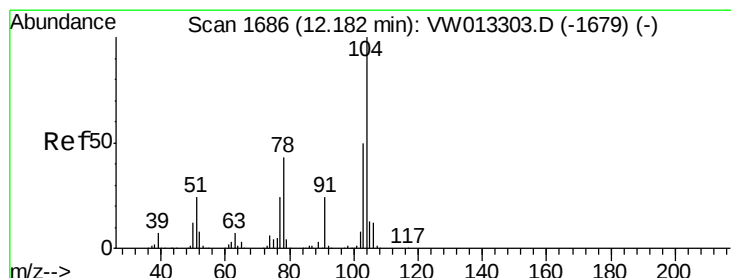
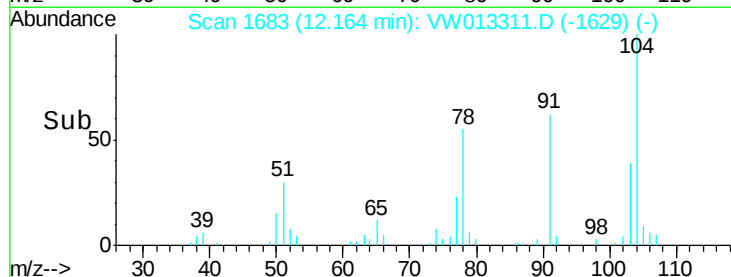
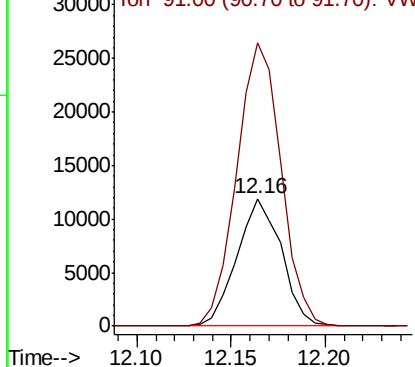
Tot Ion:106 Resp: 19485
Ion Ratio Lower Upper
106 100
91 221.8 145.9 271.1

Manual Integrations
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MMDadoda
10/9/2019 2:13:37 PM

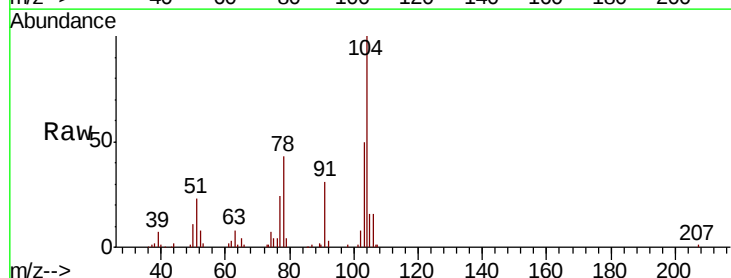


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

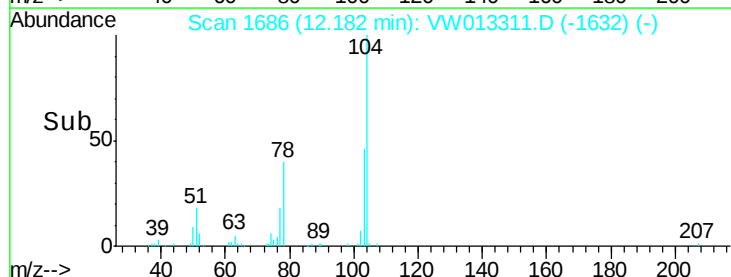
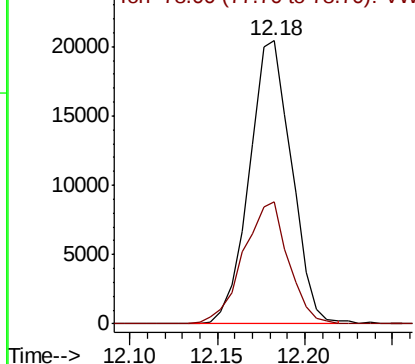


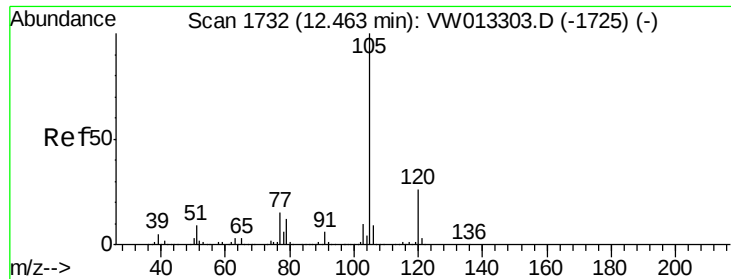
#56
Styrene
Concen: 1.967 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion:104 Resp: 34255
Ion Ratio Lower Upper
104 100
78 43.1 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: 1.912 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

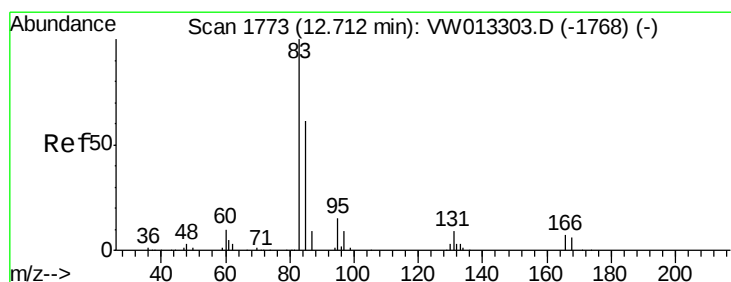
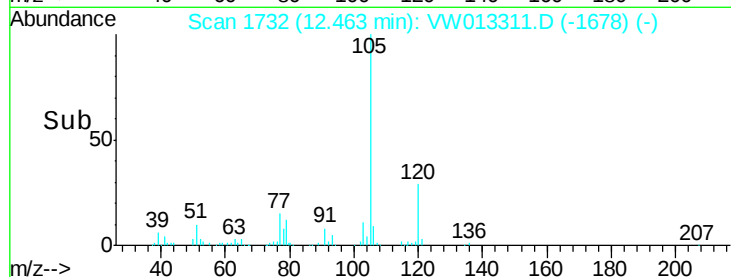
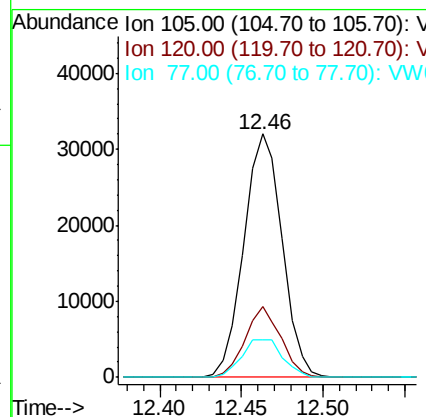
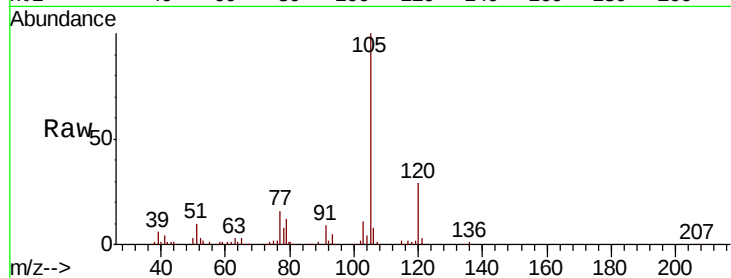
ClientSampleId :

MDL07

Tot Ion:	105	Resp:	52514
Ion Ratio	Lower	Upper	
105	100		
120	26.9	21.4	32.2
77	16.8	11.8	17.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.275 ug/L

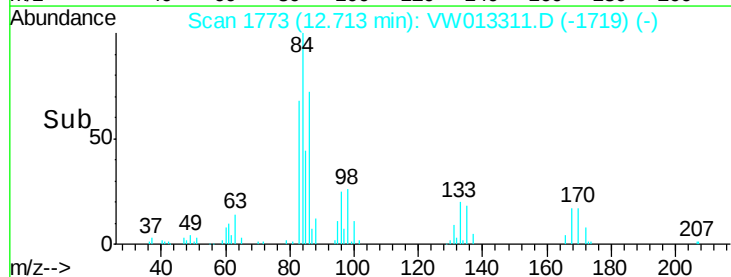
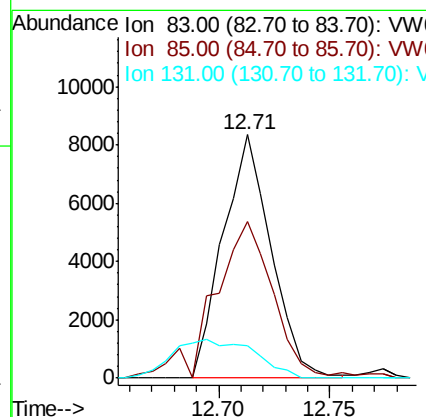
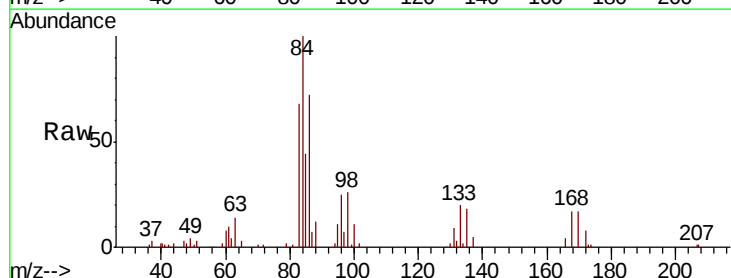
RT: 12.71 min Scan# 1773

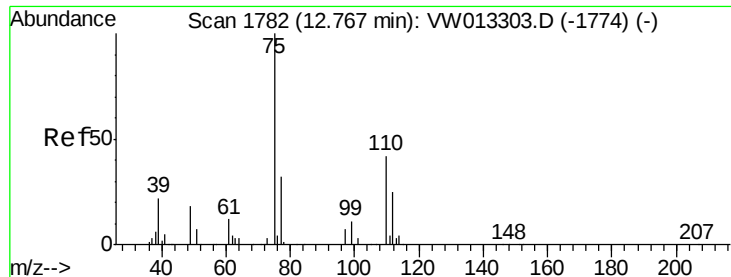
Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion:	83	Resp:	12550
Ion Ratio	Lower	Upper	
83	100		
85	64.4	45.2	84.0
131	13.1	8.9	13.3





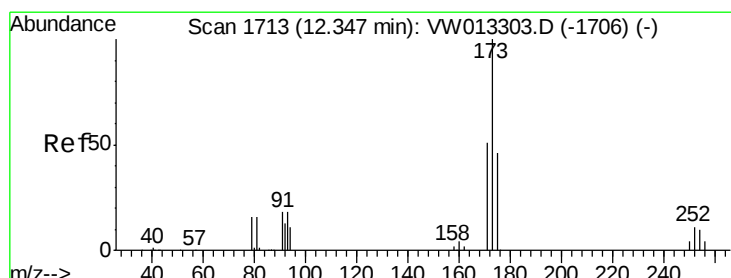
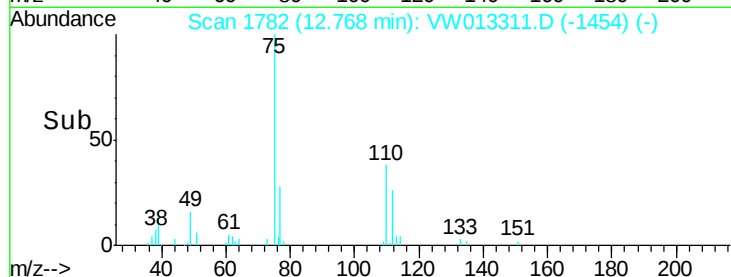
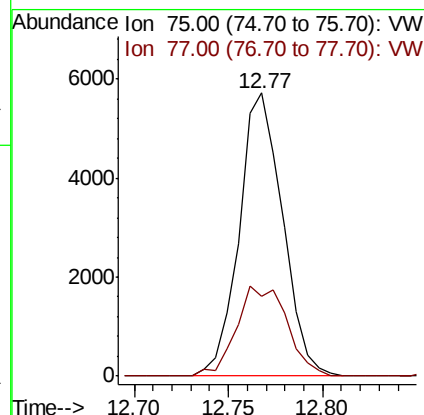
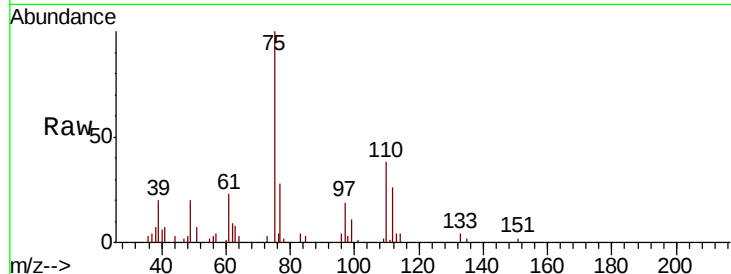
#59
 1,2,3-Trichloropropane
 Concen: 2.217 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 9124
 Ion Ratio Lower Upper
 75 100
 77 37.0 25.8 38.8

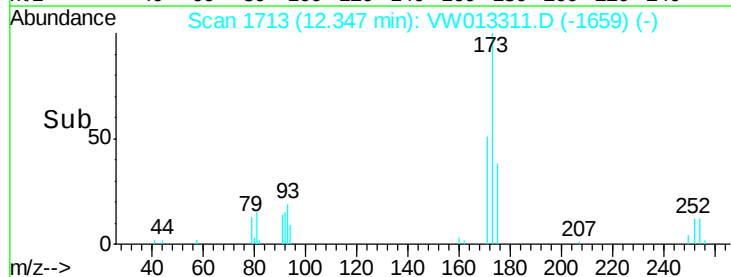
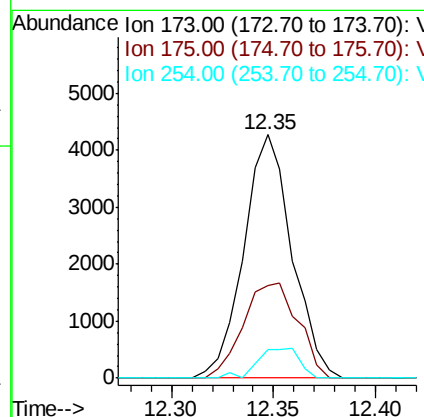
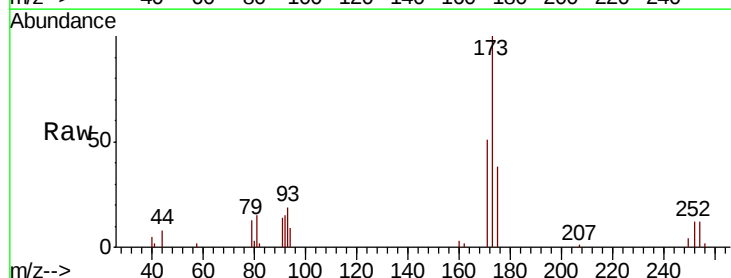
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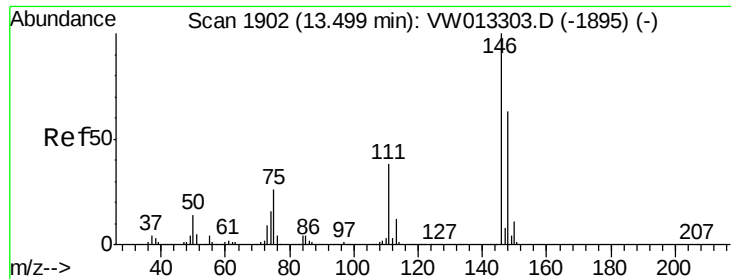
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#62
 Bromoform
 Concen: 2.150 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion: 173 Resp: 7014
 Ion Ratio Lower Upper
 173 100
 175 44.2 39.3 58.9
 254 10.1 9.1 13.7





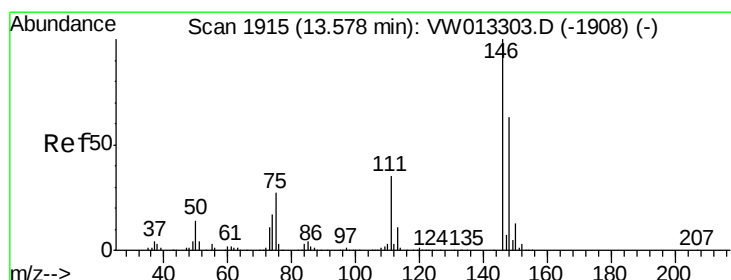
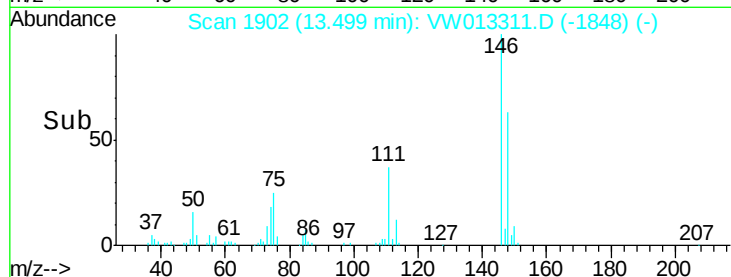
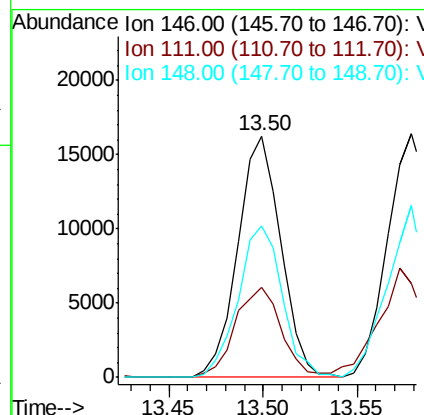
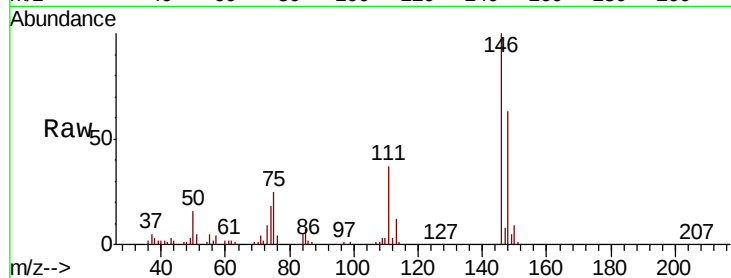
#63
 1,3-Dichlorobenzene
 Concen: 2.029 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.7	49.5
148	62.7	45.0	83.6

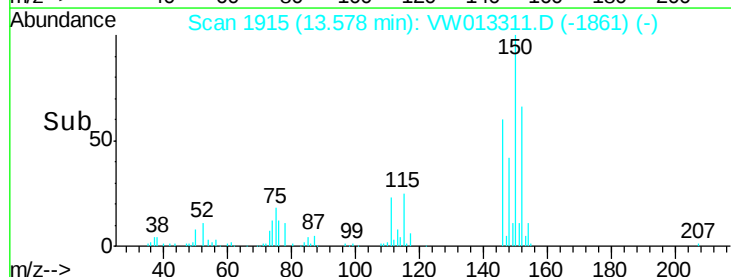
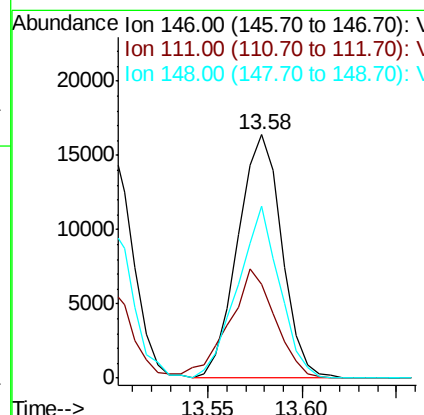
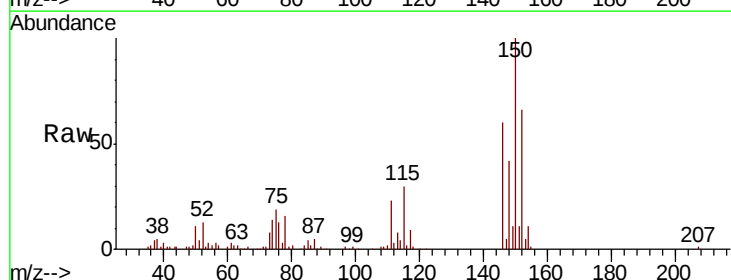
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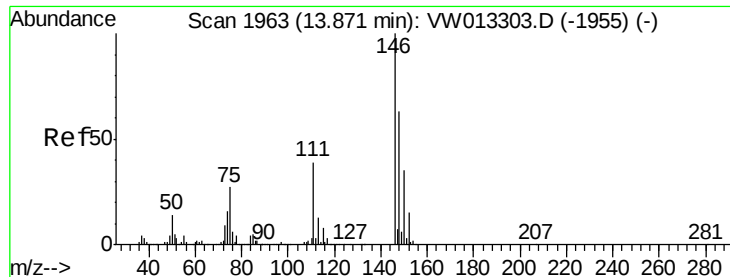
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#64
 1,4-Dichlorobenzene
 Concen: 2.075 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	24.2	45.0
148	70.6	45.1	83.7





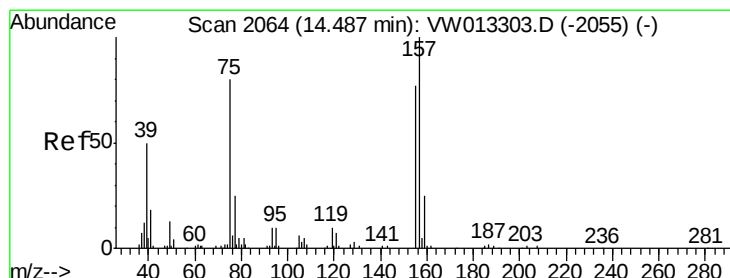
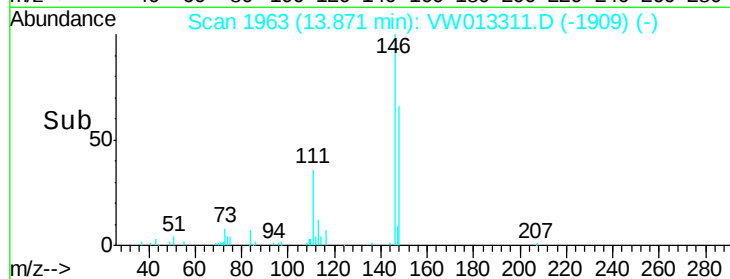
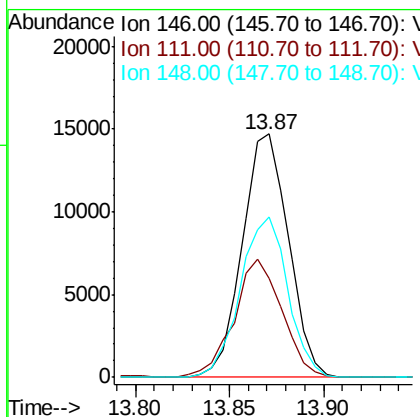
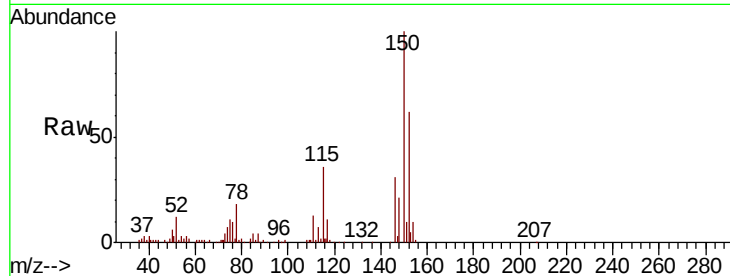
#65
 1,2-Dichlorobenzene
 Concen: 2.166 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	30.8	46.2
148	65.7	52.5	78.7

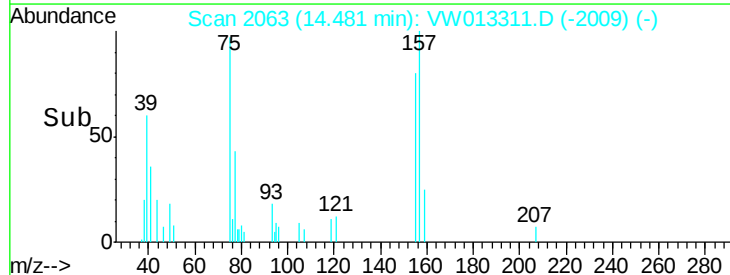
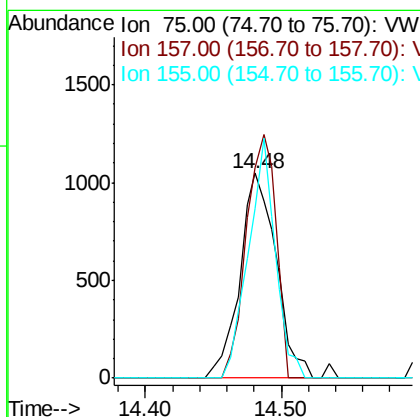
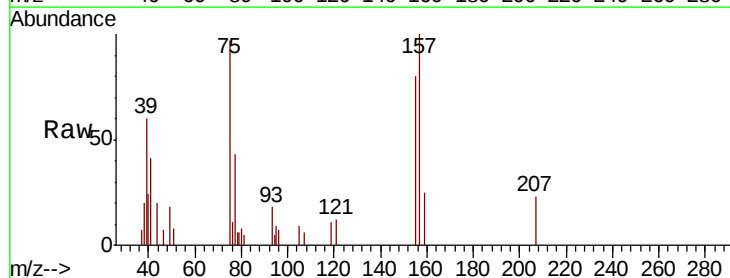
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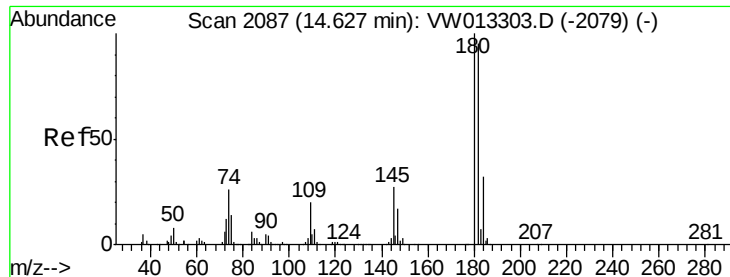
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.186 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.8	97.8	146.8
155	82.4	78.4	117.6





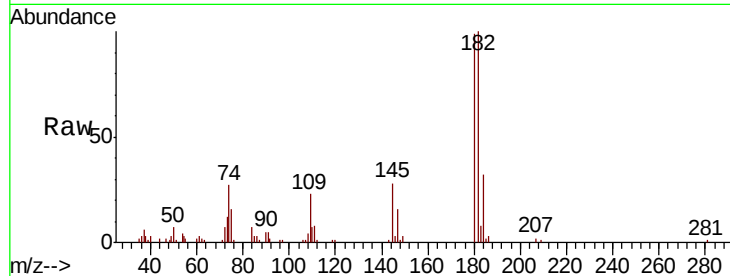
#67
 1,3,5-Trichlorobenzene
 Concen: 1.979 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

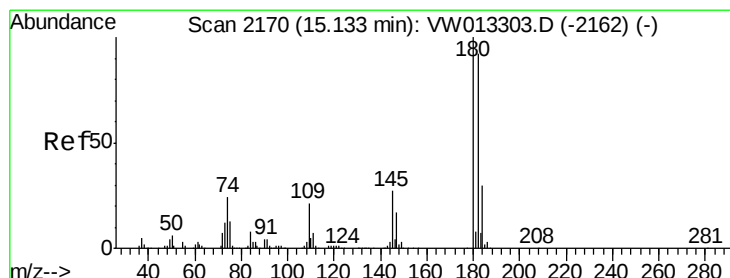
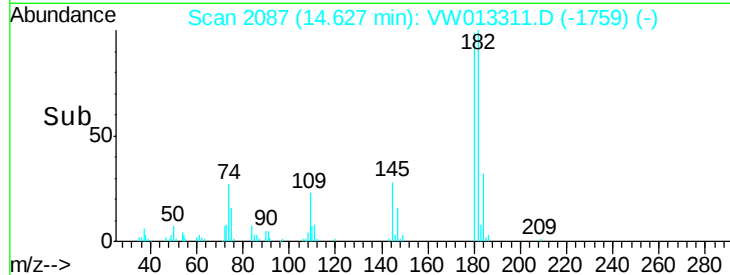
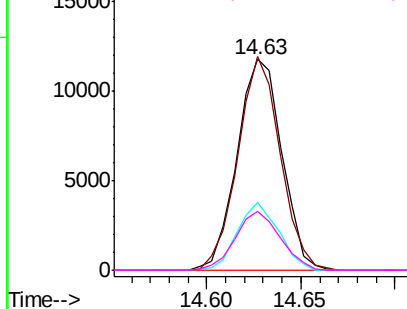
Tot Ion:	180	Resp:	19335
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.4	114.6
184	29.6	23.9	35.9
145	28.1	21.7	32.5

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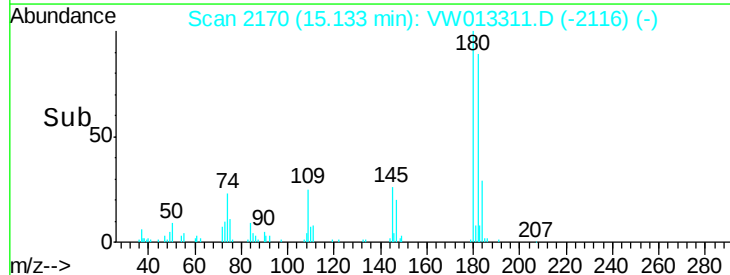
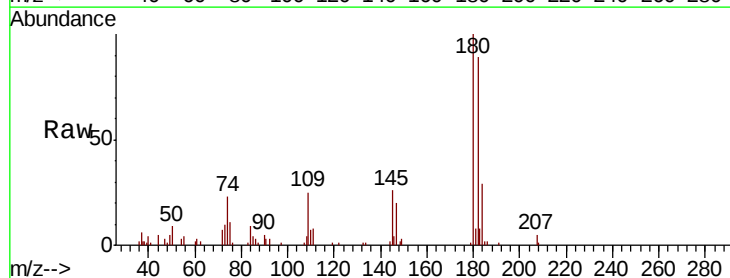
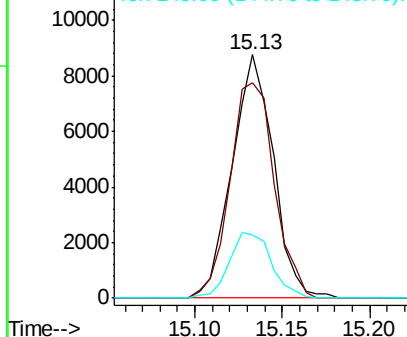
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

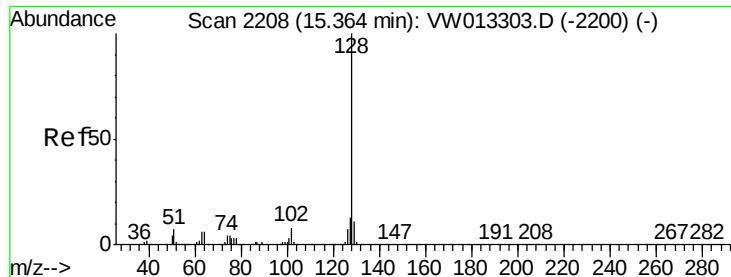


#68
 1,2,4-trichlorobenzene
 Concen: 1.843 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion:	180	Resp:	14374
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.9	113.9
145	27.7	23.0	34.4

Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.591 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

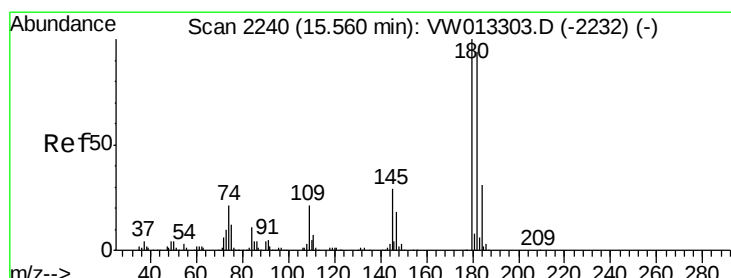
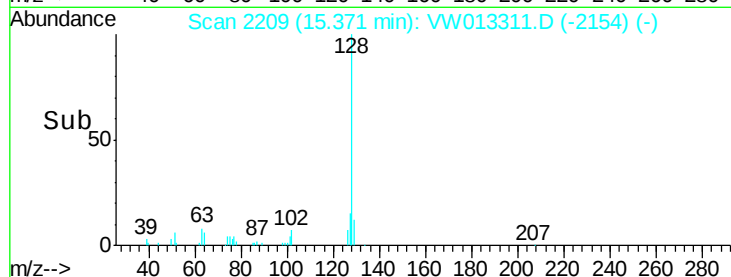
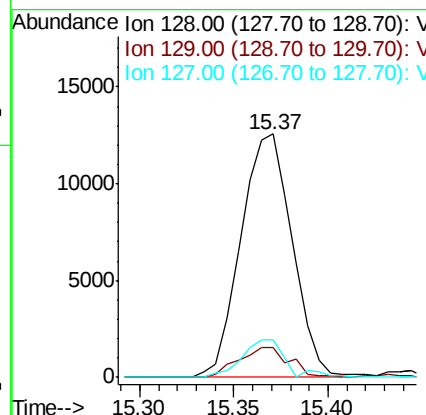
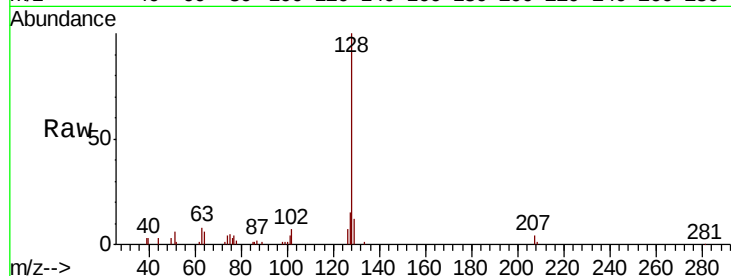
ClientSampleId :

MDL07

Tot Ion:	128	Resp:	23695
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.7	13.1
127	12.0	10.6	15.8

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 1.794 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion:	180	Resp:	12725
Ion Ratio	Lower	Upper	
180	100		
182	100.3	78.2	117.4
145	32.7	24.1	36.1

