

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013243.D
 Acq On : 23 Sep 2019 20:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:42 AM

Quant Time: Sep 24 08:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	140848	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.88	113	141516	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.32	98	574237	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	204019	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	89871	46.012	ug/l	98
3) Chloromethane	2.21	50	114927	45.774	ug/l	98
4) Vinyl Chloride	2.36	62	149628	46.226	ug/l	97
5) Bromomethane	2.76	94	102460	49.949	ug/l	96
6) Chloroethane	2.92	64	92418	48.438	ug/l	99
7) Trichlorofluoromethane	3.25	101	78903	42.274	ug/l	97
8) Diethyl Ether	3.67	74	84926	53.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	150657	49.579	ug/l	98
10) Methyl Iodide	4.27	142	239433	50.821	ug/l	99
11) Tert butyl alcohol	5.17	59	54133	273.048	ug/l	100
12) 1,1-Dichloroethene	4.04	96	157230	49.967	ug/l	100
13) Acrolein	3.89	56	38083	239.393	ug/l	99
14) Allyl chloride	4.66	41	247986	49.518	ug/l	98
15) Acrylonitrile	5.35	53	190641	277.048	ug/l	99
16) Acetone	4.12	43	149524	239.930	ug/l	98
17) Carbon Disulfide	4.38	76	454999	50.027	ug/l	100
18) Methyl Acetate	4.67	43	95628	54.588	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	262559	54.443	ug/l	99
20) Methylene Chloride	4.92	84	179121	56.582	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	173761	51.091	ug/l	100
22) Diisopropyl ether	6.31	45	507422	53.283	ug/l	99
23) Vinyl Acetate	6.25	43	1523995	269.752	ug/l	99
24) 1,1-Dichloroethane	6.21	63	293792	51.125	ug/l	99
25) 2-Butanone	7.16	43	243478	260.258	ug/l	98
26) 2,2-Dichloropropane	7.16	77	161599	46.785	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	186735	52.027	ug/l	98
28) Bromochloromethane	7.51	49	124741	56.559	ug/l	96
29) Tetrahydrofuran	7.52	42	163135	284.343	ug/l	99
30) Chloroform	7.67	83	286903	50.995	ug/l	99
31) Cyclohexane	7.95	56	281628	47.015	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	226620	49.734	ug/l	99
36) 1,1-Dichloropropene	8.08	75	231633	47.529	ug/l	99
37) Ethyl Acetate	7.25	43	111881	54.016	ug/l	99
38) Carbon Tetrachloride	8.07	117	215541	49.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	305539	48.784	ug/l	99
40) Benzene	8.32	78	685763	50.447	ug/l	98
41) Methacrylonitrile	7.48	41	68013	55.018	ug/l	97
42) 1,2-Dichloroethane	8.40	62	185977	50.893	ug/l	98
43) Isopropyl Acetate	8.42	43	213077	53.675	ug/l	99
44) Trichloroethene	9.09	130	188244	49.356	ug/l	94
45) 1,2-Dichloropropane	9.37	63	171591	51.702	ug/l	98
46) Dibromomethane	9.46	93	84367	52.360	ug/l	98
47) Bromodichloromethane	9.64	83	212034	51.716	ug/l	98
48) Methyl methacrylate	9.43	41	99377	53.237	ug/l	98
49) 1,4-Dioxane	9.45	88	27441	1134.566	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	543516	273.106	ug/l	98
52) Toluene	10.38	92	444038	50.968	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	224389	53.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267247	52.180	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	127986	53.143	ug/l	99
56) Ethyl methacrylate	10.64	69	178158	56.525	ug/l	98
57) 1,3-Dichloropropane	10.93	76	221794	52.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	404712	277.363	ug/l	99
59) 2-Hexanone	10.97	43	372324	271.927	ug/l	99
60) Dibromochloromethane	11.13	129	150059	54.874	ug/l	100
61) 1,2-Dibromoethane	11.23	107	123434	53.905	ug/l	99
64) Tetrachloroethene	10.86	164	173204	51.368	ug/l	96
65) Chlorobenzene	11.65	112	467127	50.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	163916	51.703	ug/l	99
67) Ethyl Benzene	11.73	91	843743	50.180	ug/l	100
68) m/p-Xylenes	11.83	106	645739	100.781	ug/l	100
69) o-Xylene	12.16	106	300416	50.430	ug/l	99
70) Styrene	12.18	104	529886	51.812	ug/l	100
71) Bromoform	12.35	173	91335	54.531	ug/l #	98
73) Isopropylbenzene	12.46	105	828778	49.320	ug/l	99
74) N-amyl acetate	12.27	43	197809	53.048	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	144765	51.511	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	89887m	44.743	ug/l	
77) Bromobenzene	12.74	156	200224	50.281	ug/l	97
78) n-propylbenzene	12.80	91	972176	49.425	ug/l	100
79) 2-Chlorotoluene	12.89	91	547320	49.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	705085	49.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46514	51.954	ug/l	96
82) 4-Chlorotoluene	12.99	91	571889	49.213	ug/l	100
83) tert-Butylbenzene	13.21	119	621731	50.147	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	696031	49.518	ug/l	99
85) sec-Butylbenzene	13.38	105	847625	49.588	ug/l	99
86) p-Isopropyltoluene	13.50	119	787135	49.649	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384750	50.203	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	380593	50.636	ug/l	100
89) n-Butylbenzene	13.82	91	714513	49.357	ug/l	100
90) Hexachloroethane	14.09	117	136150	51.120	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	345022	52.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	23804	55.376	ug/l	99

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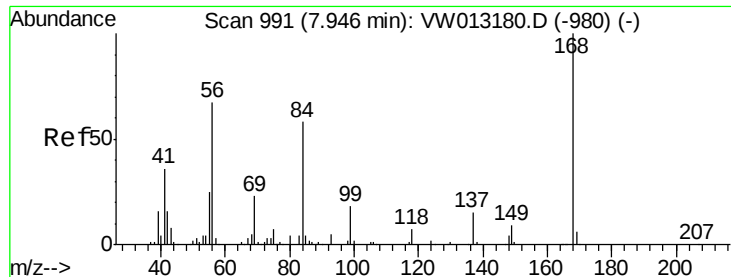
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	252574	53.162	ug/l	99
94) Hexachlorobutadiene	15.24	225	155788	47.929	ug/l	97
95) Naphthalene	15.36	128	450797	58.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	220916	53.813	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 338603

Ion Ratio Lower Upper

168 100

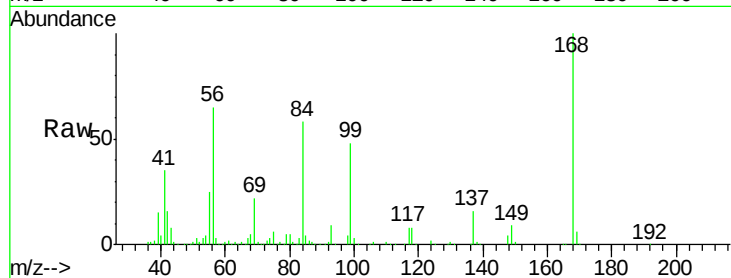
99 48.0 40.2 60.4

Manual Integrations

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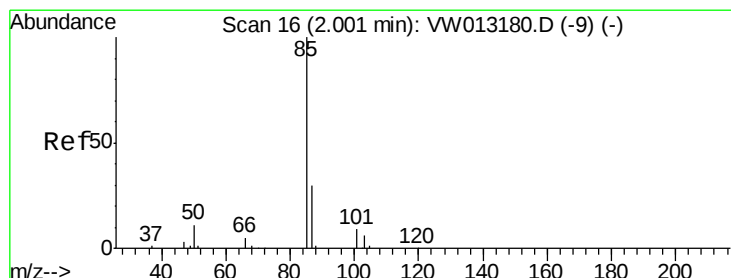
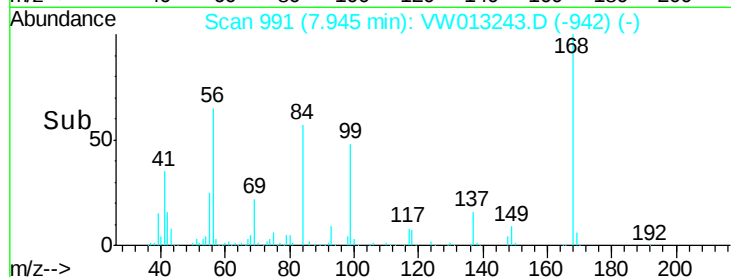
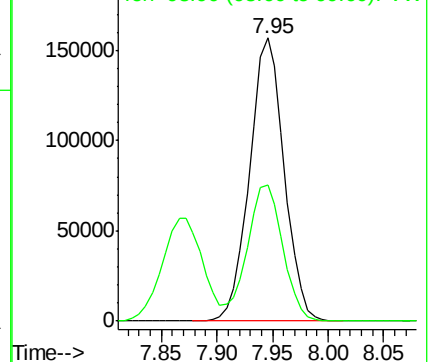
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.012 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013243.D

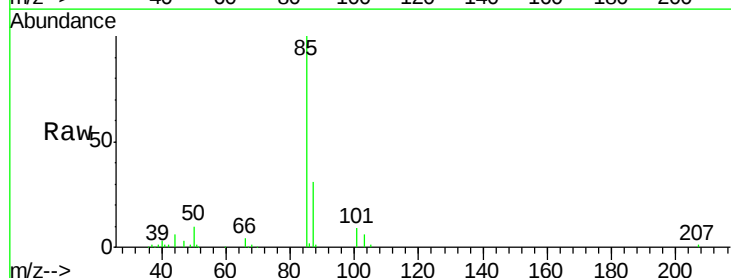
Acq: 23 Sep 2019 20:49

Tgt Ion: 85 Resp: 89871

Ion Ratio Lower Upper

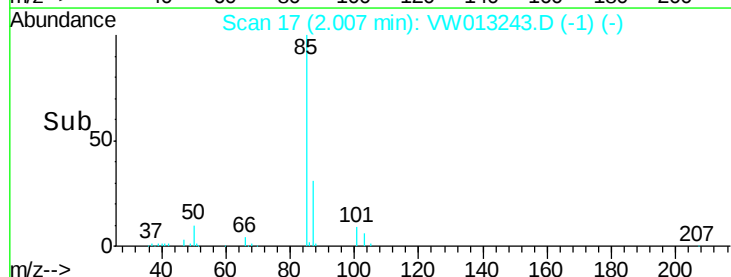
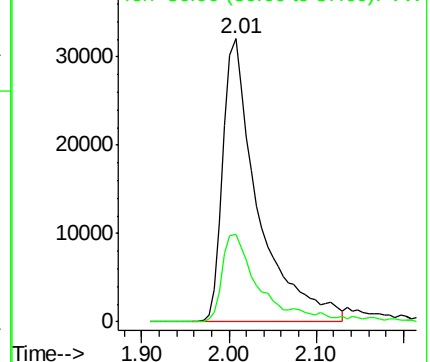
85 100

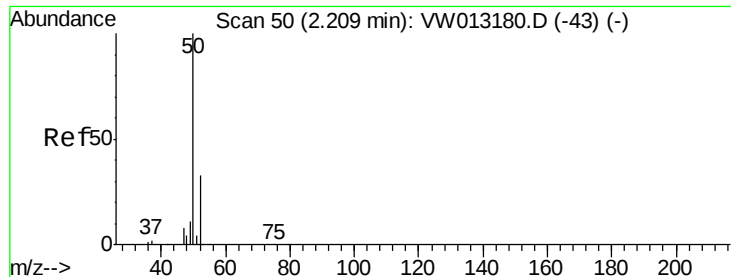
87 31.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.774 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 114927

Ion Ratio Lower Upper

50 100

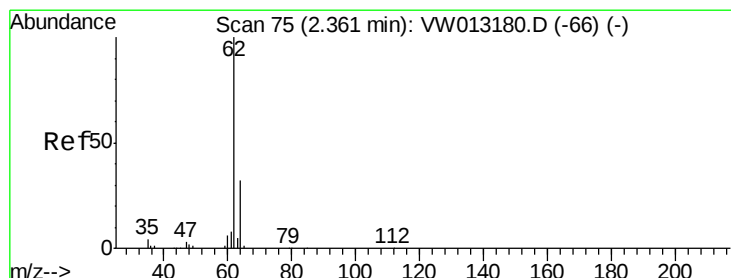
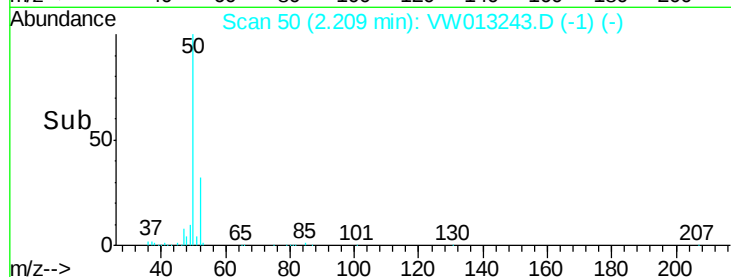
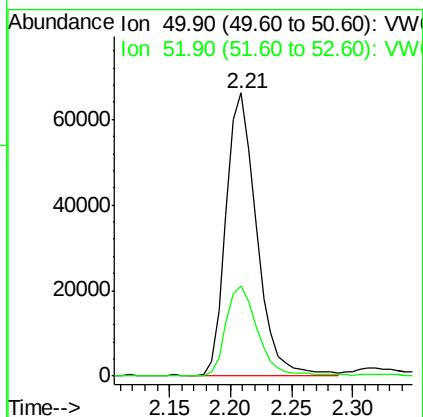
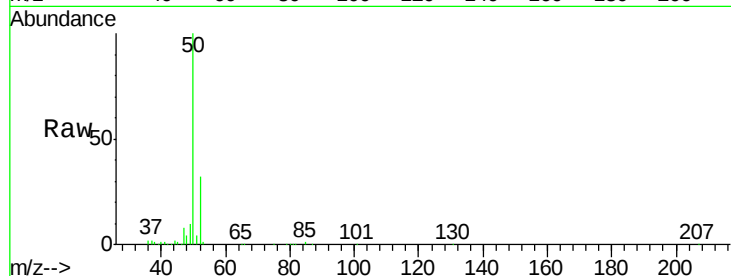
52 31.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.226 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013243.D

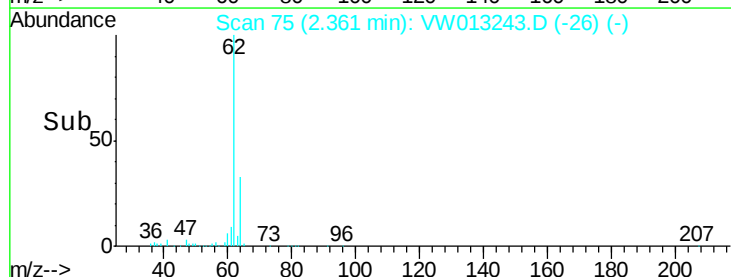
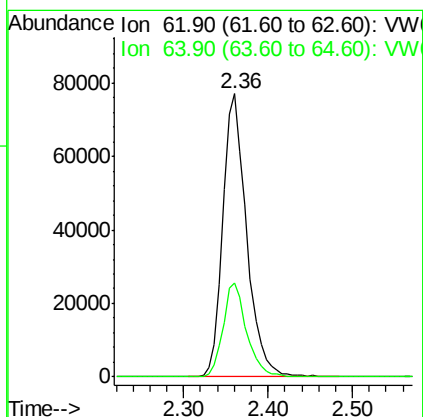
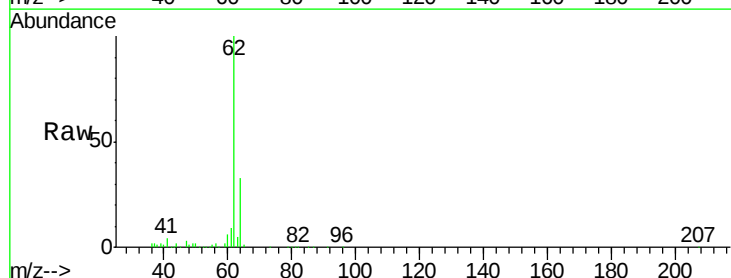
Acq: 23 Sep 2019 20:49

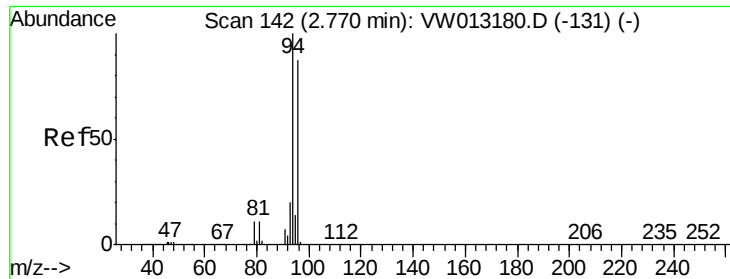
Tgt Ion: 62 Resp: 149628

Ion Ratio Lower Upper

62 100

64 33.1 25.3 37.9





#5

Bromomethane

Concen: 49.949 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 102460

Ion Ratio Lower Upper

94 100

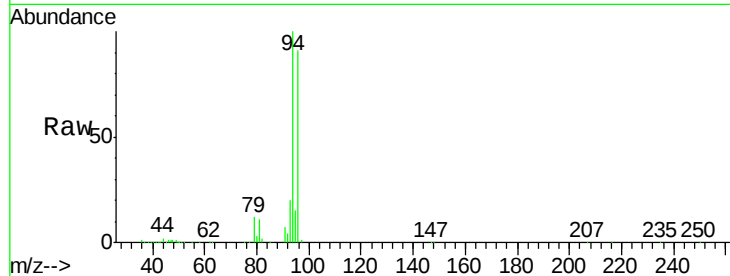
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Manual Integrations

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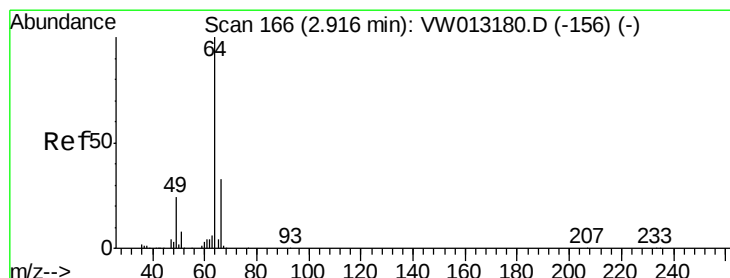
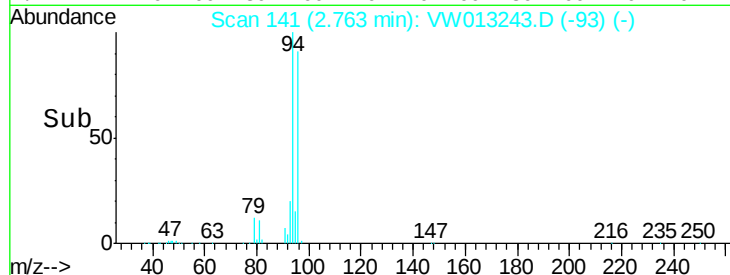
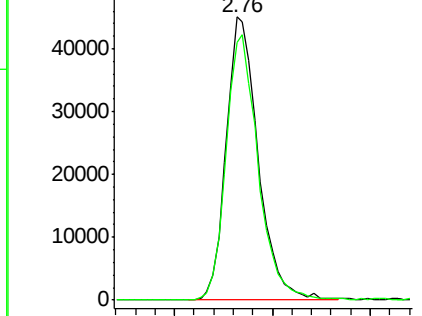
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 48.438 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013243.D

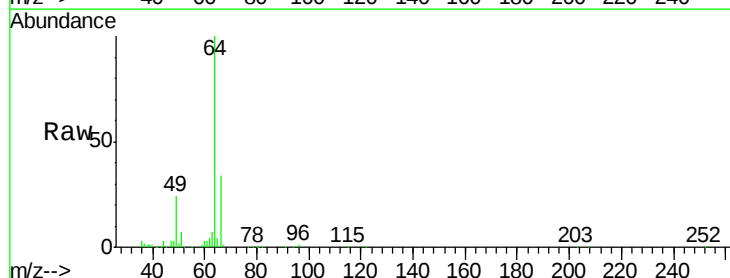
Acq: 23 Sep 2019 20:49

Tgt Ion: 64 Resp: 92418

Ion Ratio Lower Upper

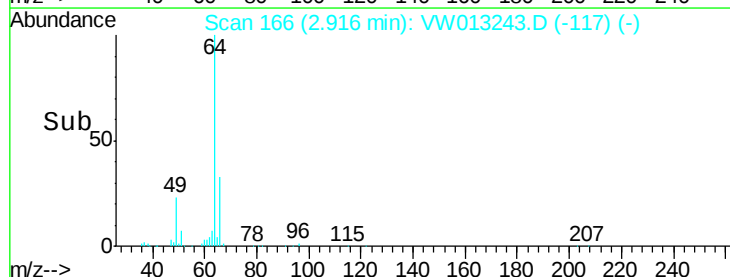
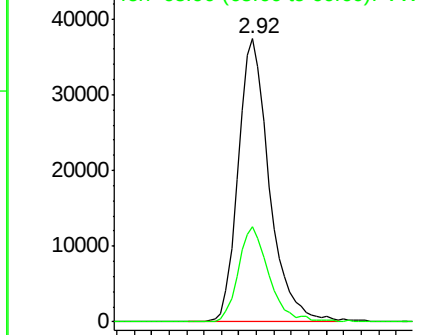
64 100

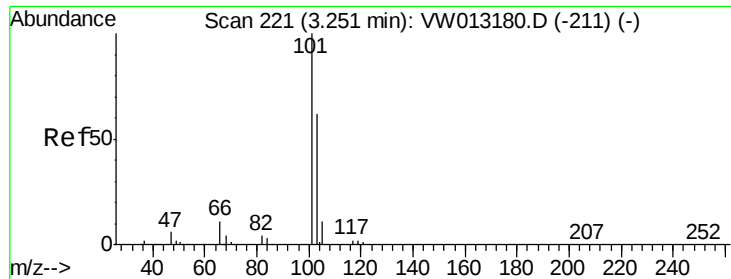
66 33.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

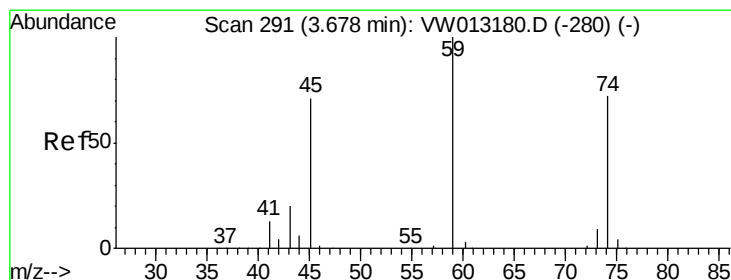
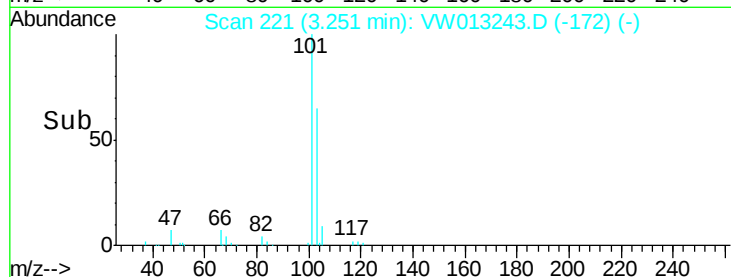
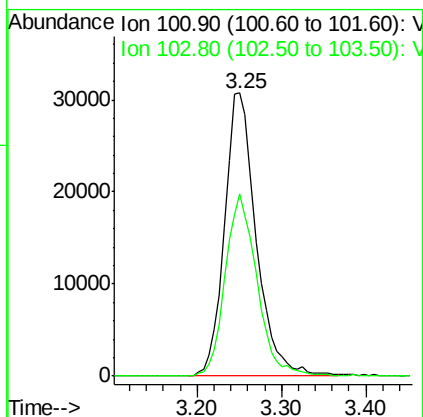
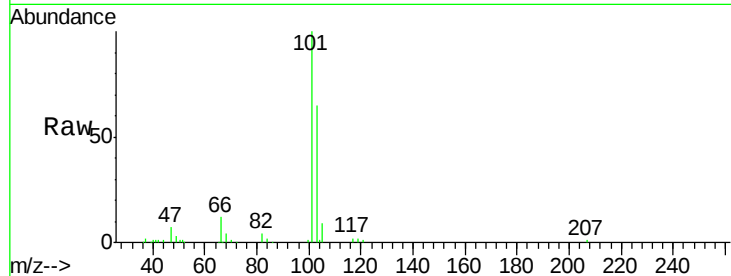
Trichlorofluoromethane
Concen: 42.274 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	49.7	74.5

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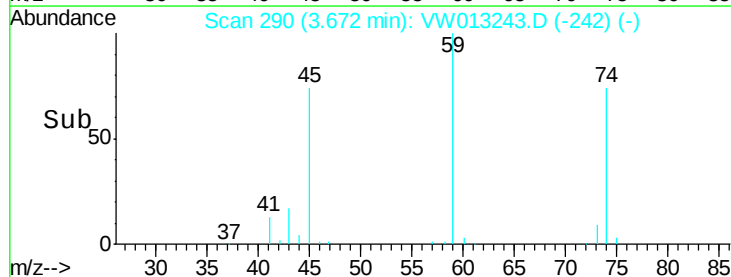
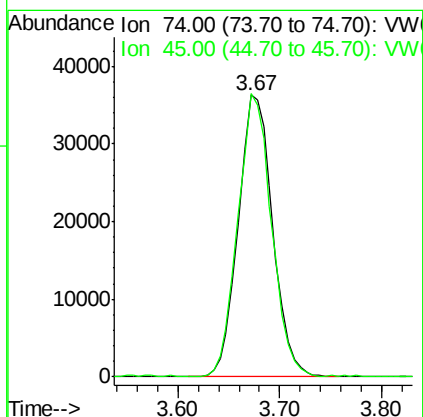
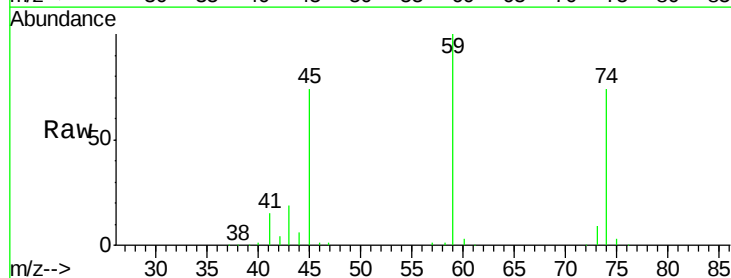
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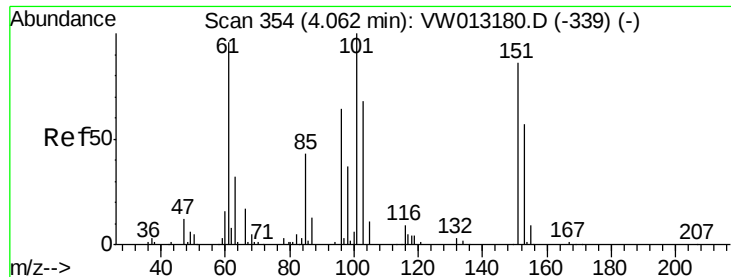


#8

Diethyl Ether
Concen: 53.270 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.579 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

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MSVOA_W

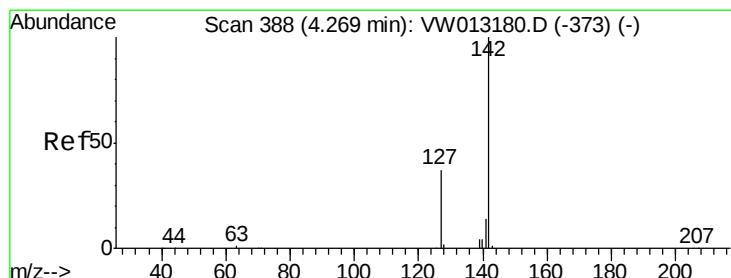
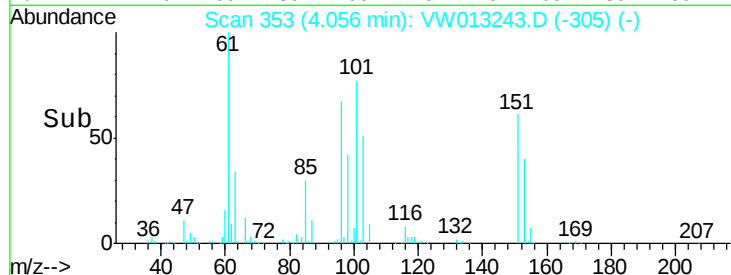
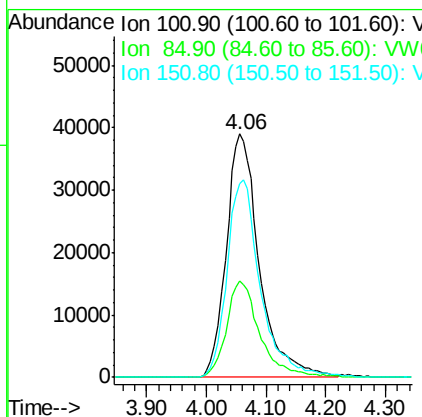
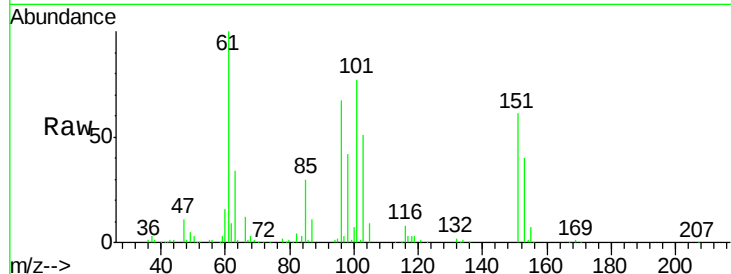
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	150657
Ion Ratio	Lower	Upper	
101	100		
85	39.9	33.4	50.0
151	82.3	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.821 ug/l

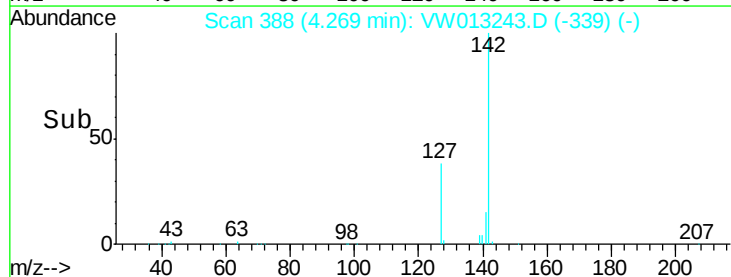
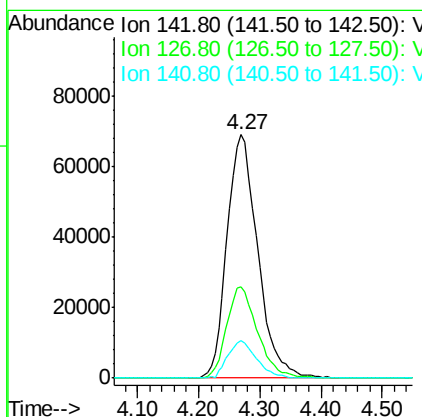
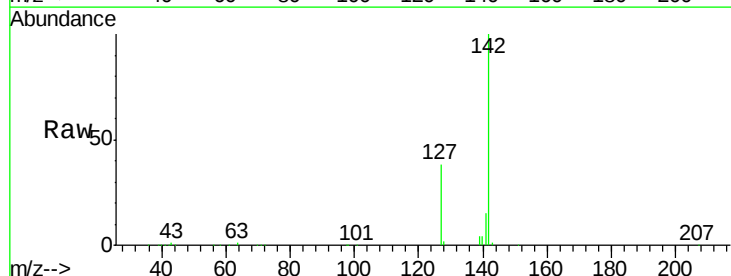
RT: 4.27 min Scan# 388

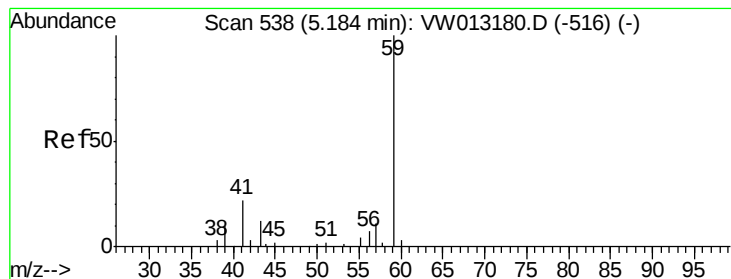
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	142	Resp:	239433
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.9	46.3
141	14.3	11.7	17.5





#11

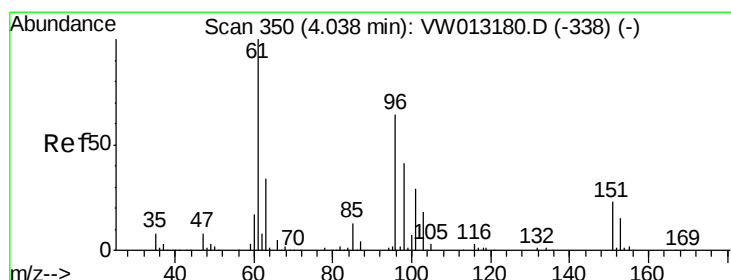
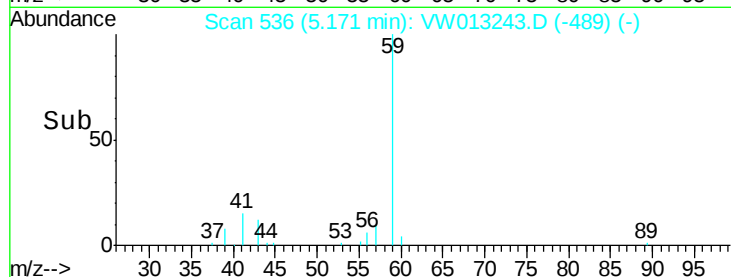
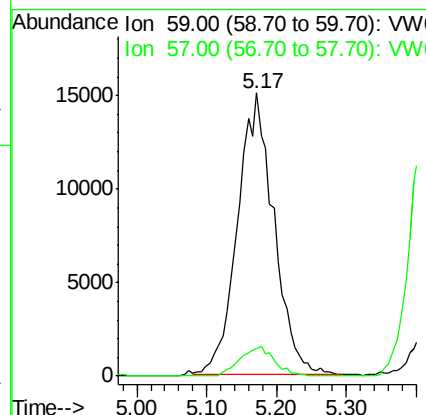
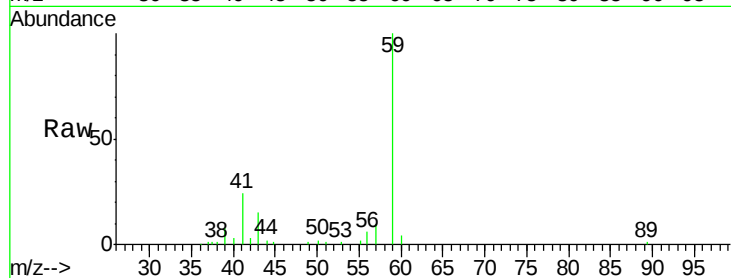
Tert butyl alcohol
 Concen: 273.048 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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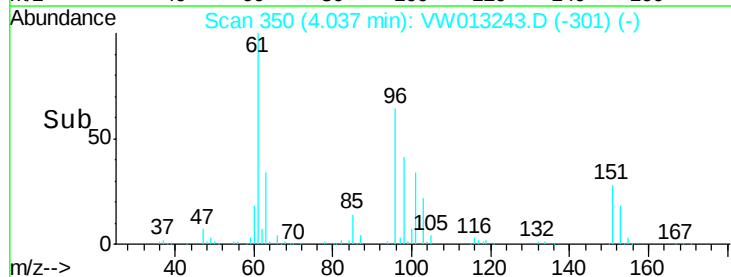
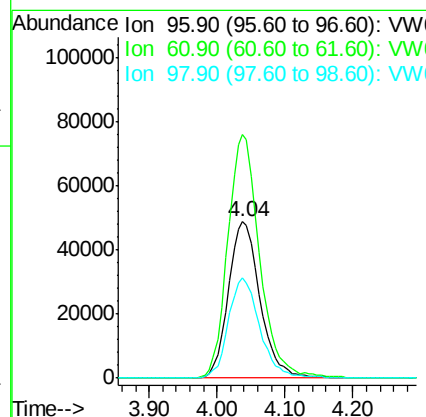
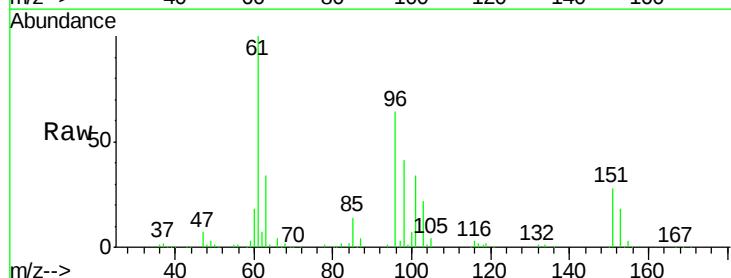
MMDadoda
 9/25/2019 12:35:42 AM

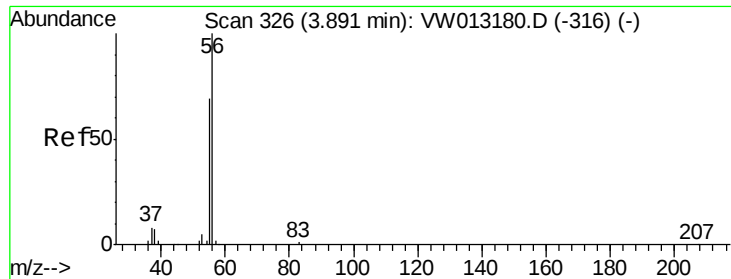


#12

1,1-Dichloroethene
 Concen: 49.967 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	125.1	187.7
98	63.8	50.8	76.2





#13

Acrolein

Concen: 239.393 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38083

Ion Ratio Lower Upper

56 100

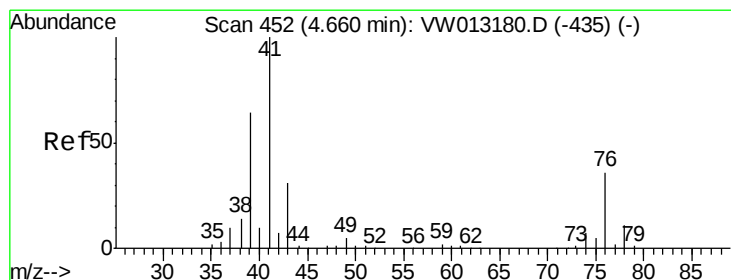
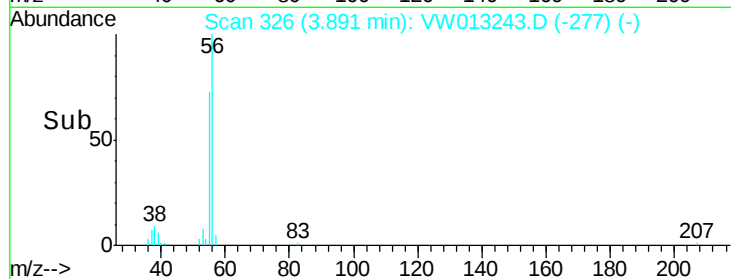
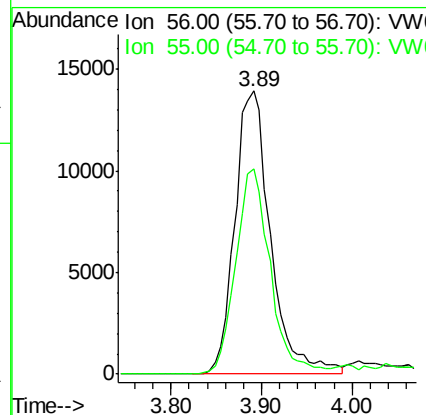
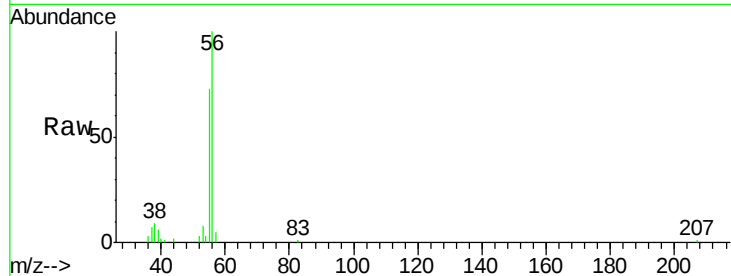
55 70.1 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.518 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

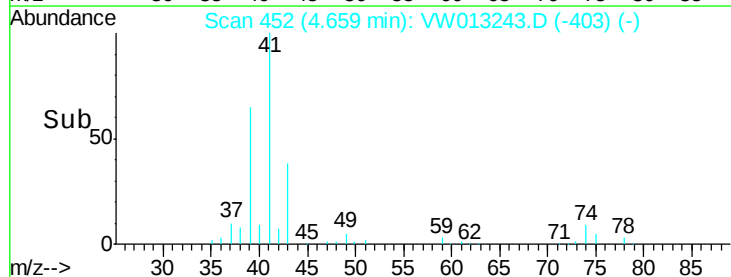
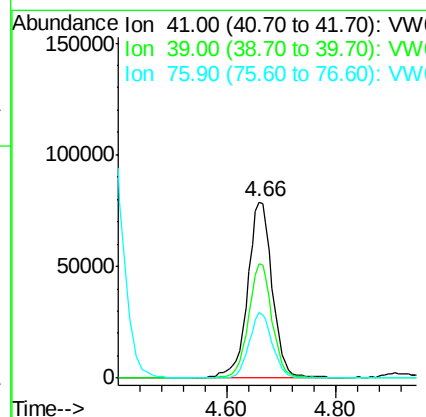
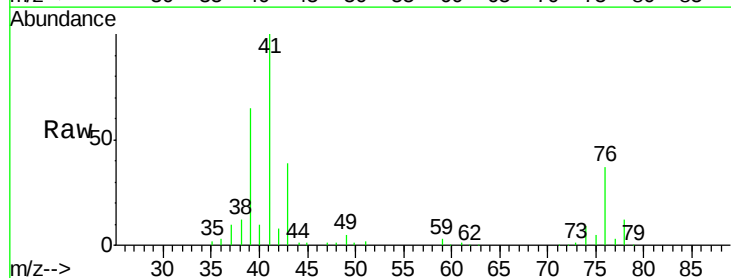
Tgt Ion: 41 Resp: 247986

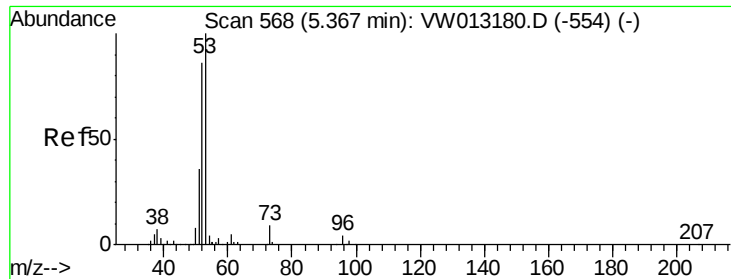
Ion Ratio Lower Upper

41 100

39 61.9 51.0 76.4

76 34.8 28.4 42.6





#15

Acrylonitrile

Concen: 277.048 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

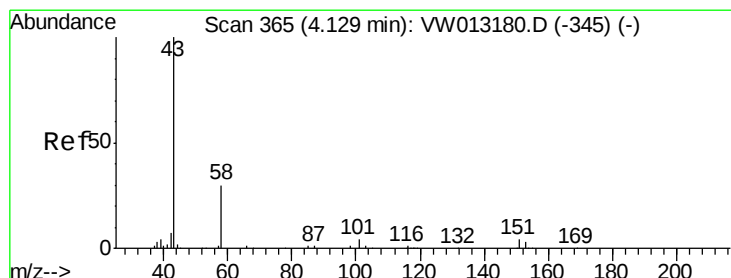
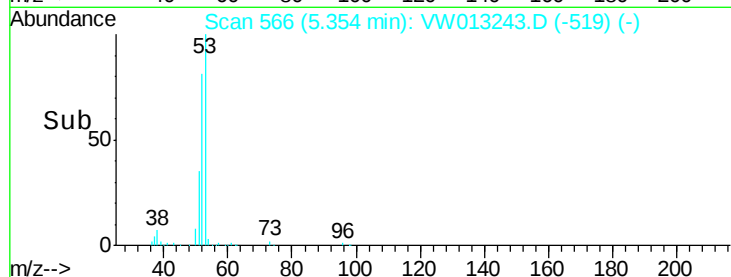
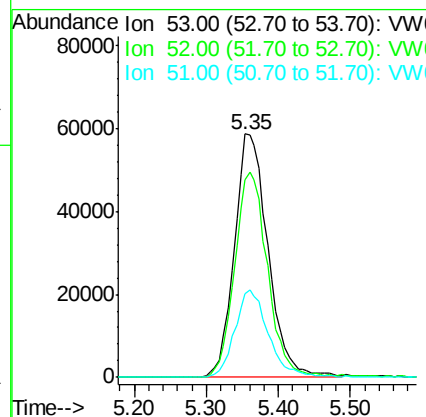
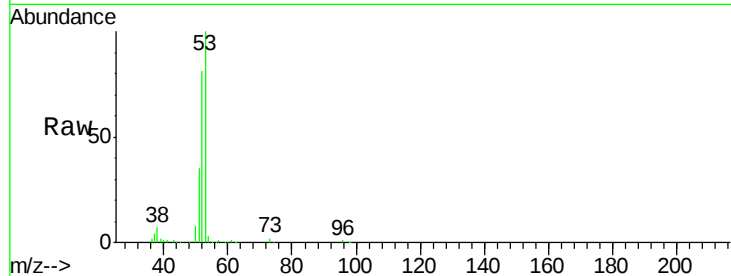
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	190641
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.3	97.9
51	35.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 239.930 ug/l

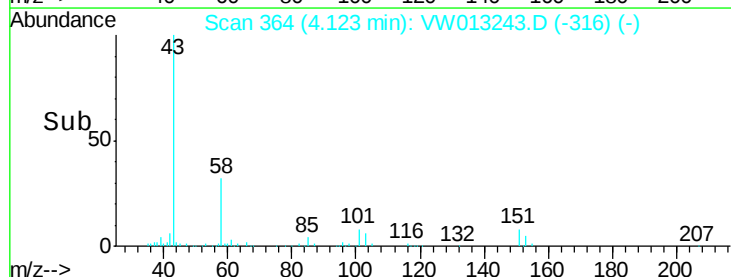
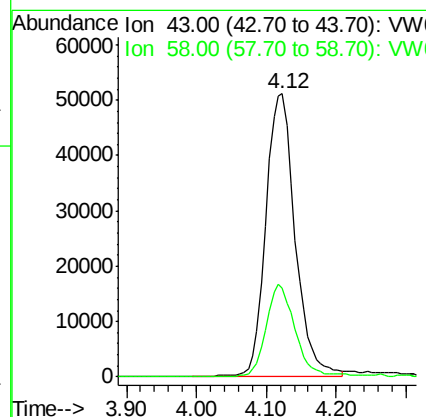
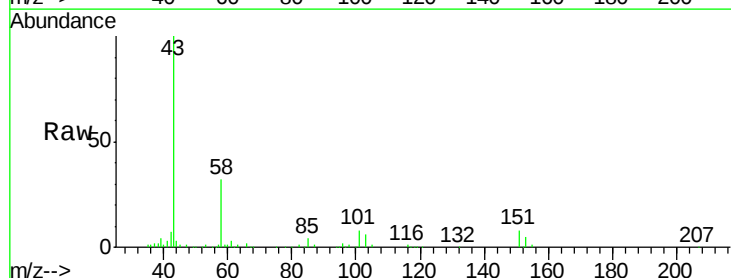
RT: 4.12 min Scan# 364

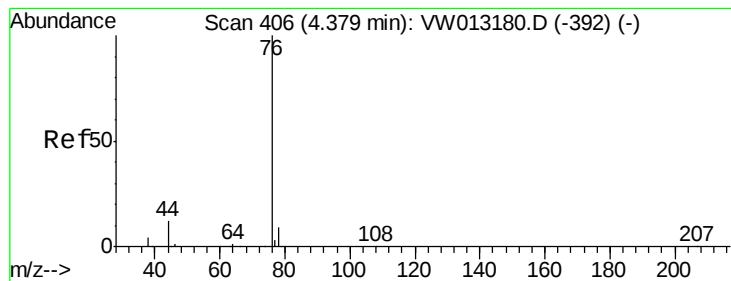
Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	43	Resp:	149524
Ion Ratio	Lower	Upper	
43	100		
58	31.4	24.1	36.1





#17

Carbon Disulfide

Concen: 50.027 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 454999

Ion Ratio Lower Upper

76 100

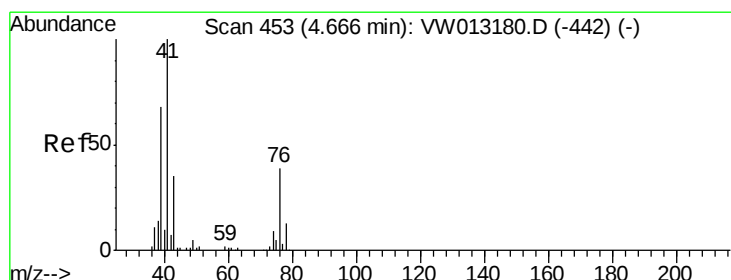
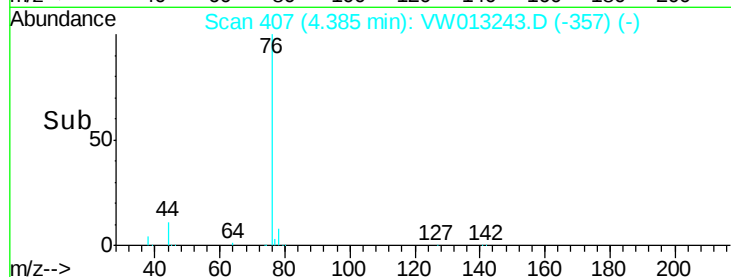
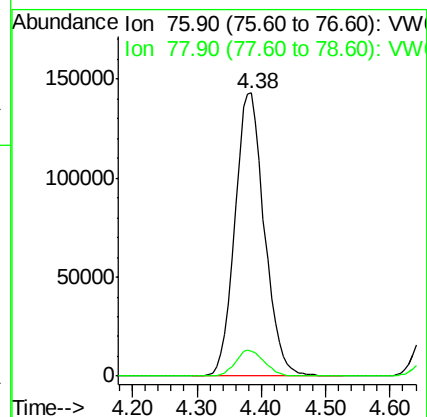
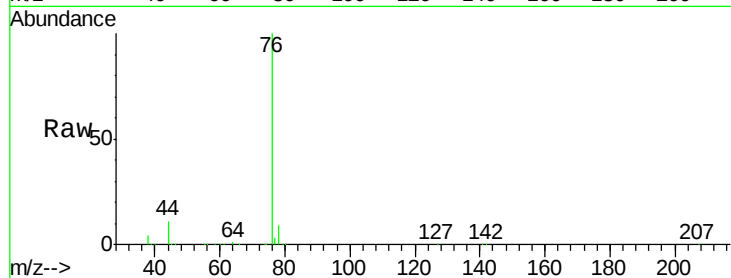
78 8.8 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 54.588 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013243.D

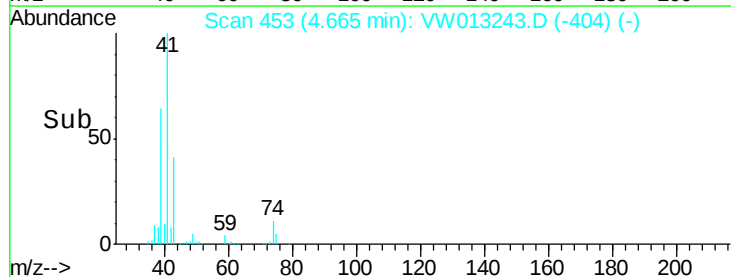
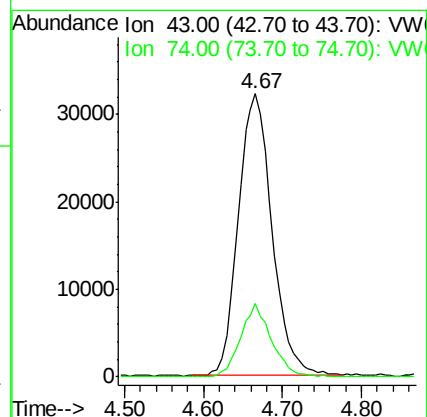
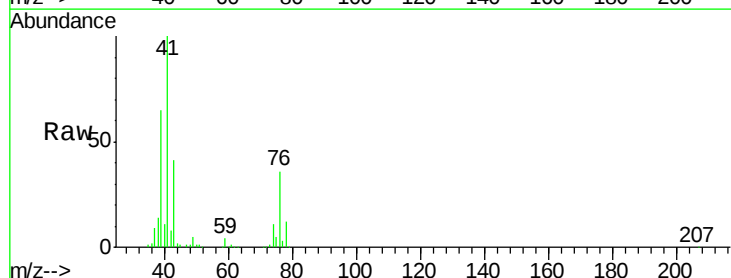
Acq: 23 Sep 2019 20:49

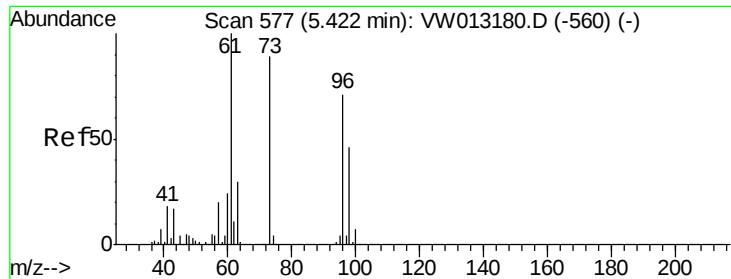
Tgt Ion: 43 Resp: 95628

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9





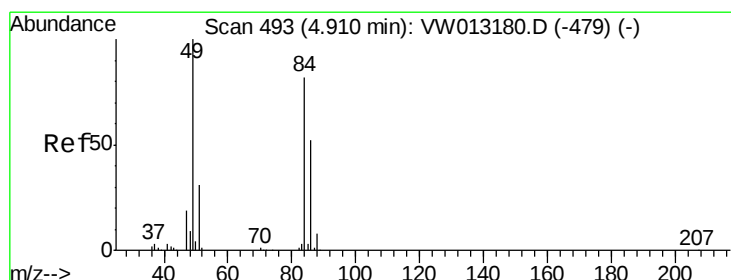
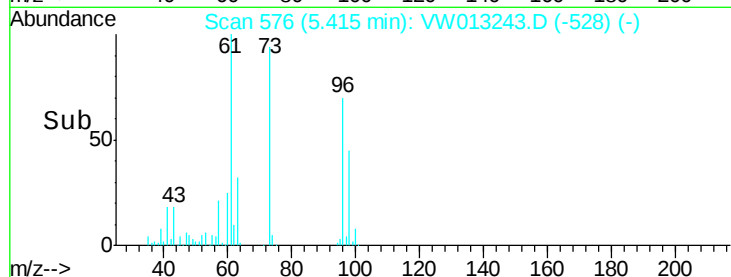
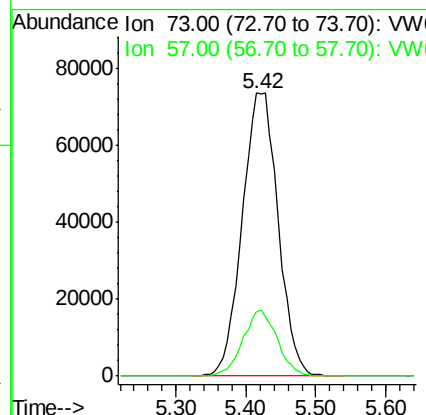
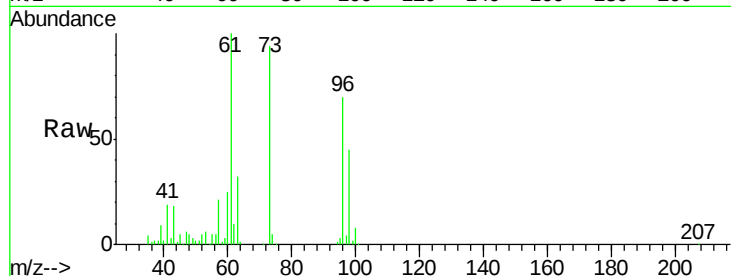
#19
Methvl tert-butvl Ether
Concen: 54.443 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 262559
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4

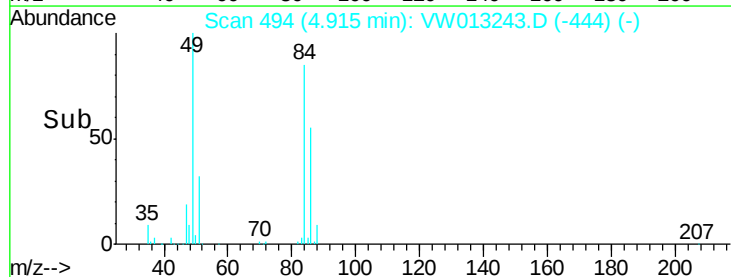
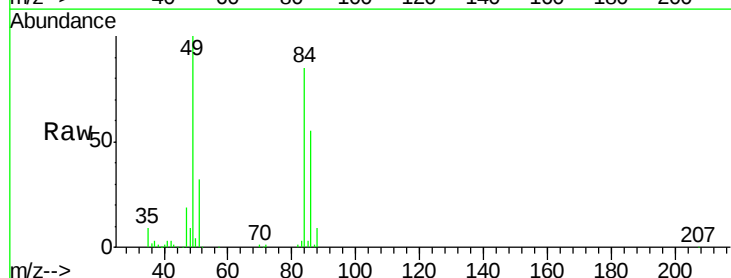
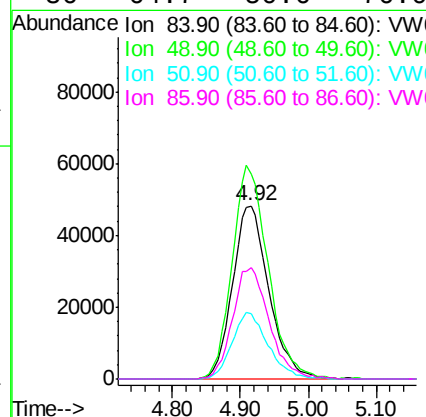
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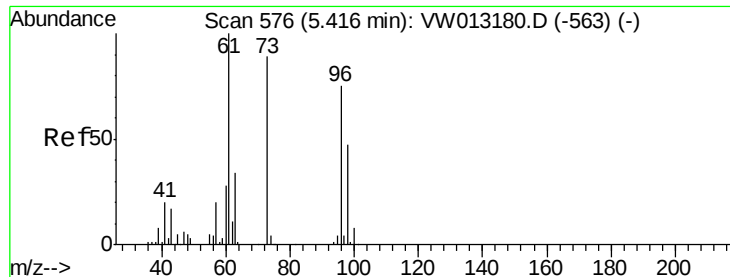
MMDadoda
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#20
Methylene Chloride
Concen: 56.582 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion: 84 Resp: 179121
Ion Ratio Lower Upper
84 100
49 118.2 97.6 146.4
51 37.5 30.2 45.2
86 64.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.091 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 173761

Ion Ratio Lower Upper

96 100

61 133.8 106.6 159.8

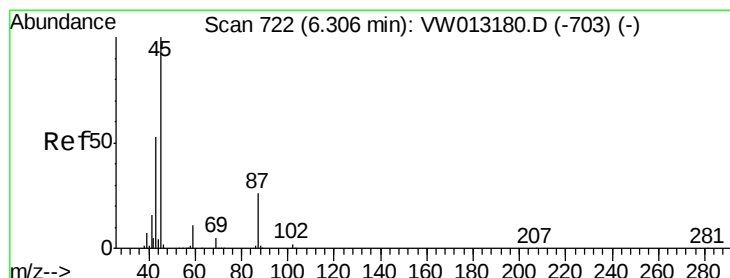
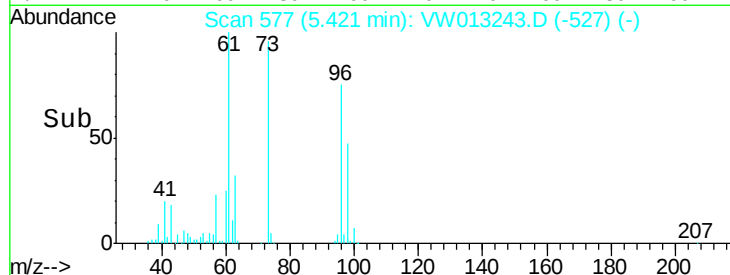
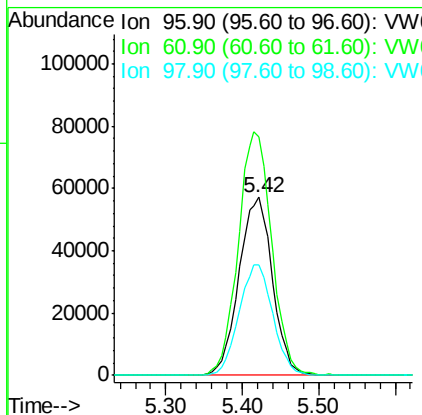
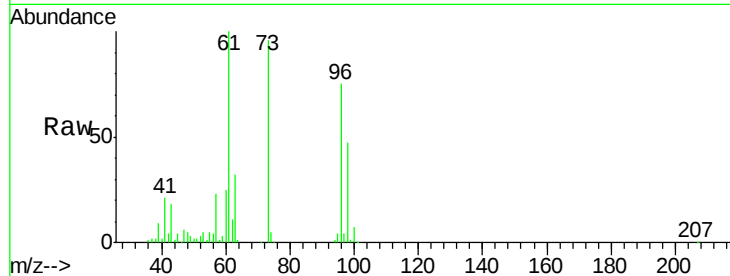
98 62.3 49.8 74.8

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#22

Diisopropyl ether

Concen: 53.283 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion: 45 Resp: 507422

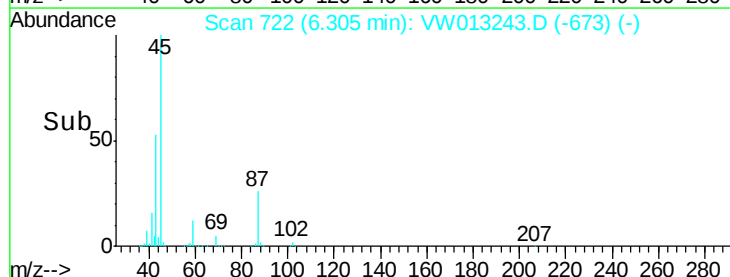
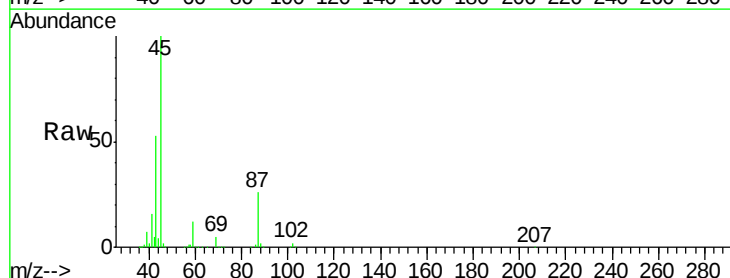
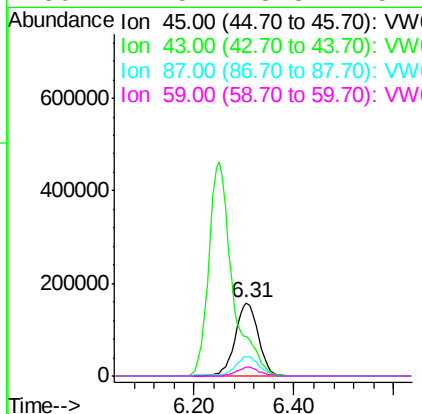
Ion Ratio Lower Upper

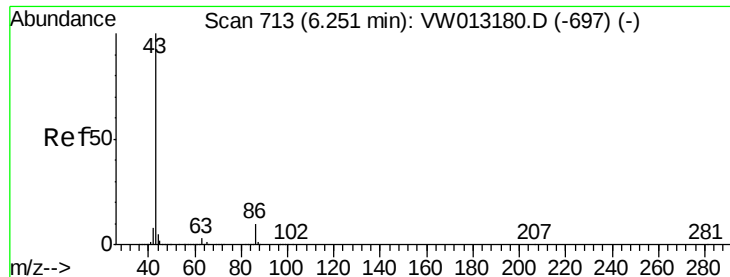
45 100

43 53.1 42.4 63.6

87 26.1 20.4 30.6

59 11.8 8.8 13.2





#23

Vinyl Acetate

Concen: 269.752 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tot Ion: 43 Resp: 1523995

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

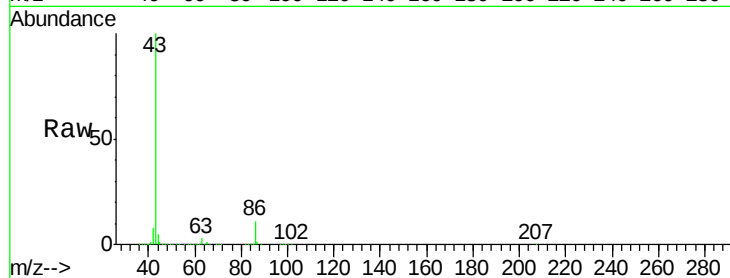
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

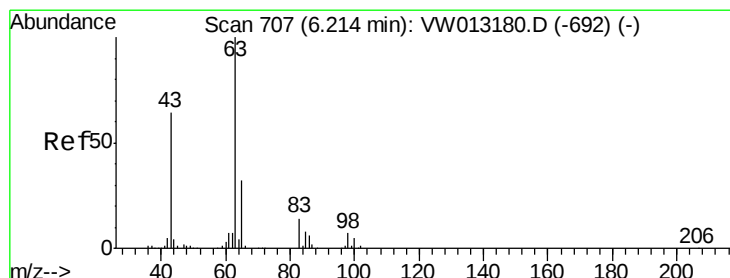
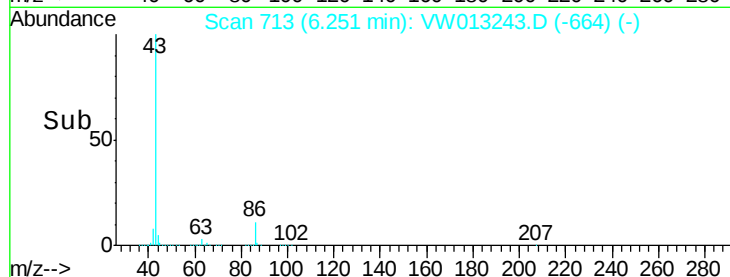
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.125 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

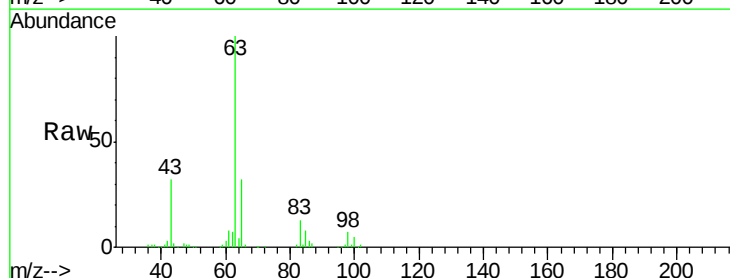
Tgt Ion: 63 Resp: 293792

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

120000

100000

80000

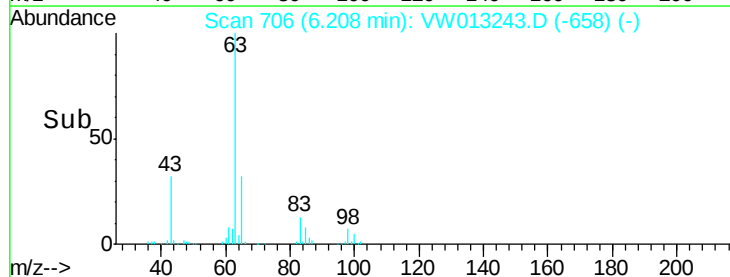
60000

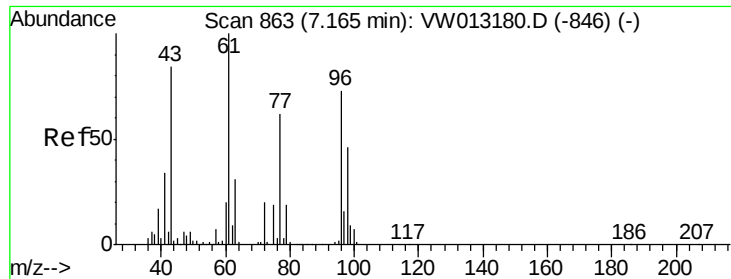
40000

20000

0

Time-->





#25

2-Butanone

Concen: 260.258 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 243478

Ion Ratio Lower Upper

43 100

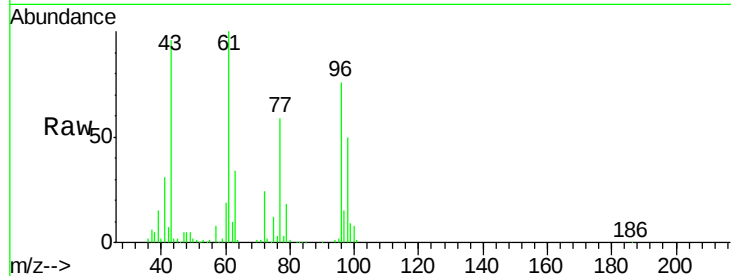
72 25.2 19.4 29.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

100000

80000

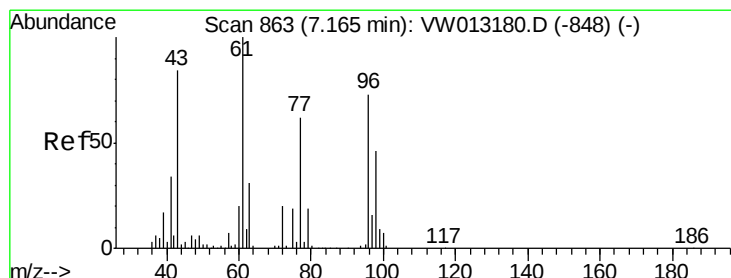
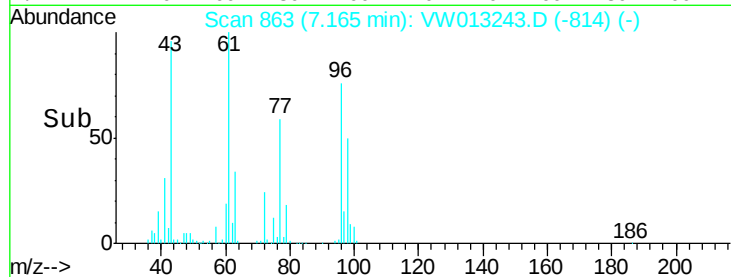
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.785 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013243.D

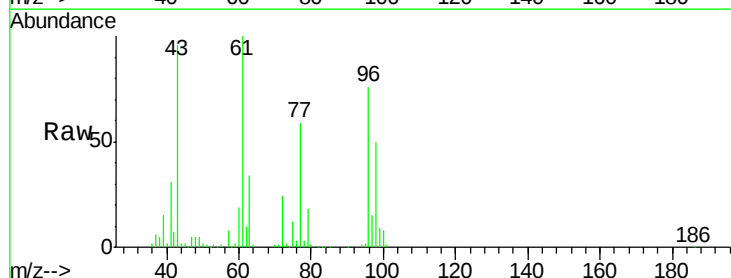
Acq: 23 Sep 2019 20:49

Tgt Ion: 77 Resp: 161599

Ion Ratio Lower Upper

77 100

97 25.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

60000

50000

40000

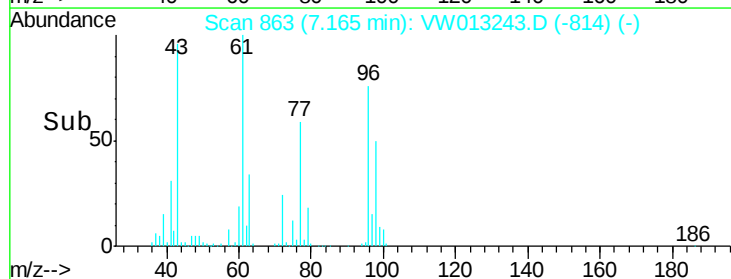
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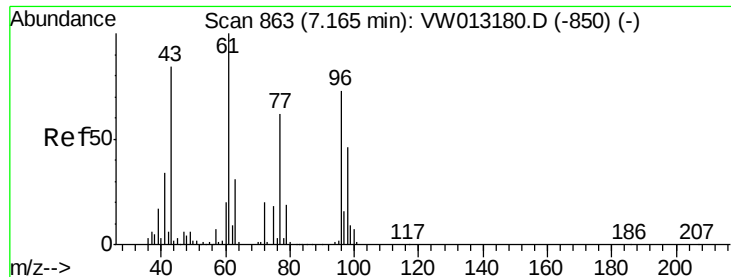
20000

10000

0

Time-->





#27

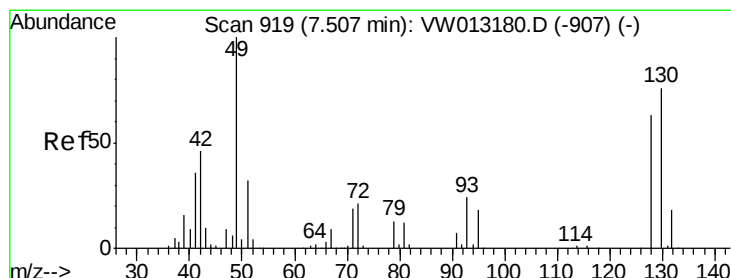
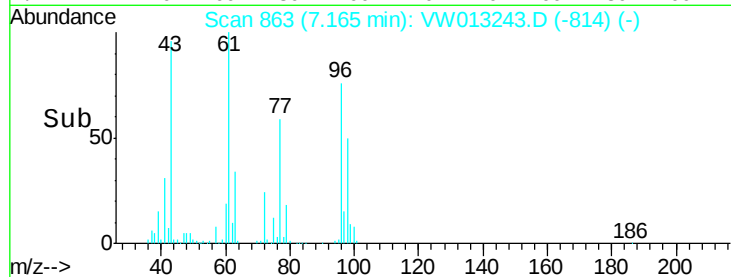
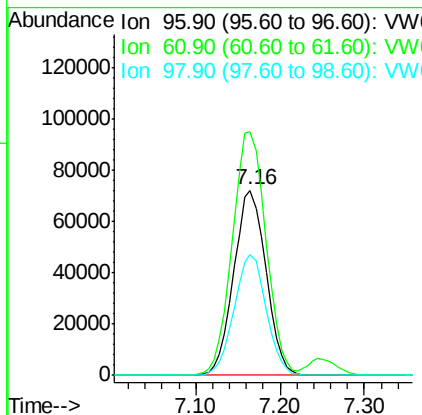
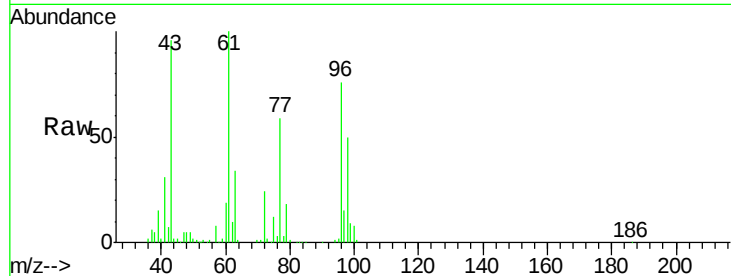
cis-1,2-Dichloroethene
 Concen: 52.027 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	186735		
61	137.6		0.0	282.4
98	65.0		0.0	128.2

Manual Integrations
 APPROVED

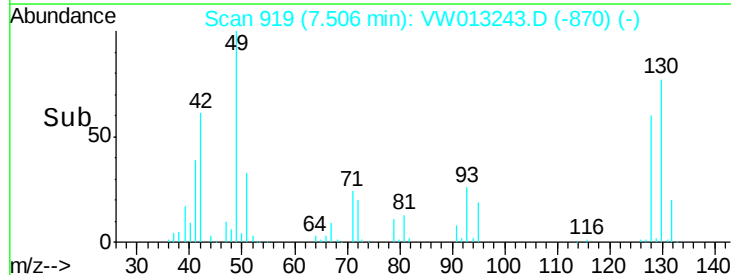
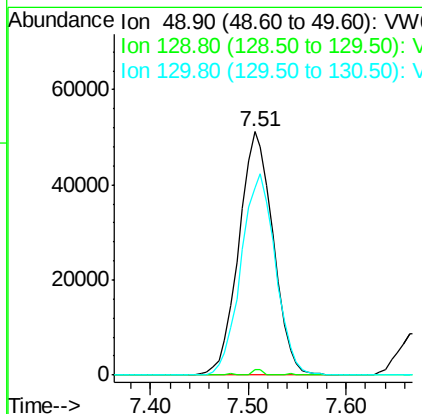
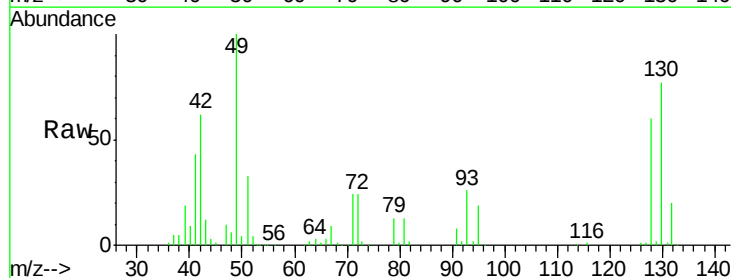
MMDadoda
 9/25/2019 12:35:42 AM



#28

Bromochloromethane
 Concen: 56.559 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124741		
129	0.7		0.0	1.0
130	83.2		63.4	95.2





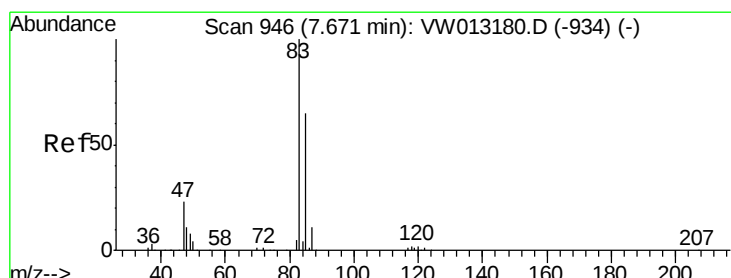
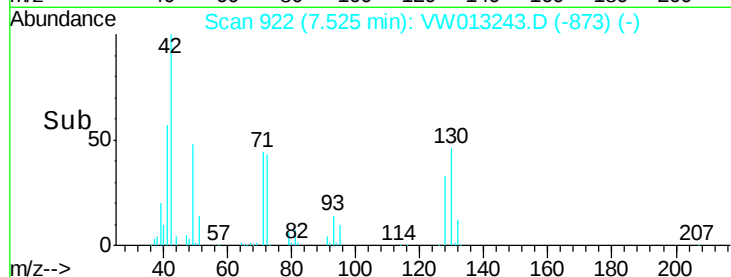
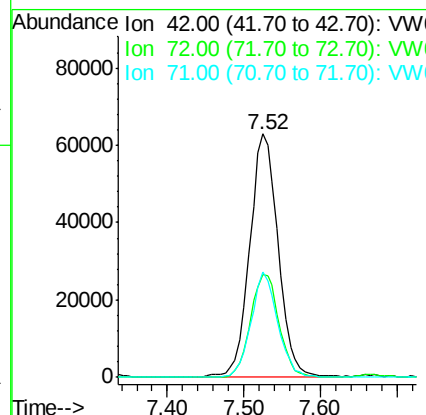
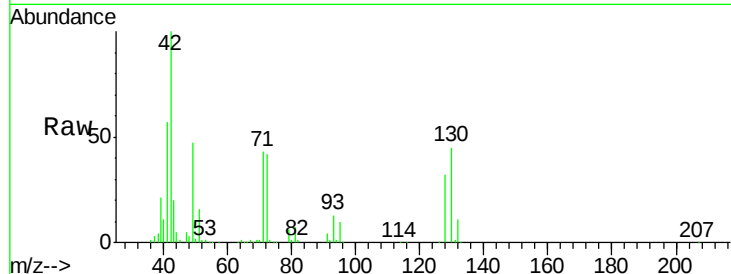
#29
Tetrahydrofuran
Concen: 284.343 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.9	50.9
71	40.5	31.9	47.9

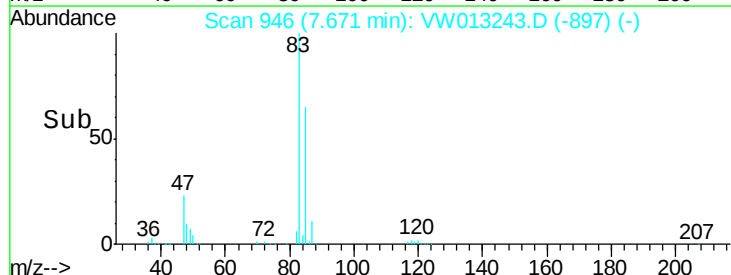
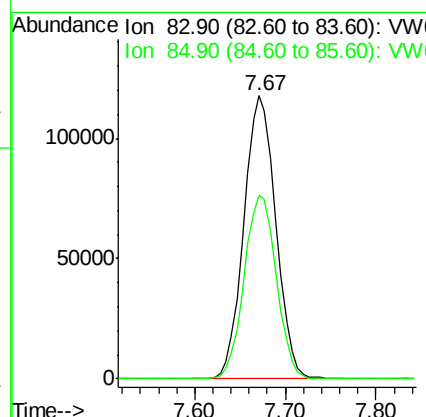
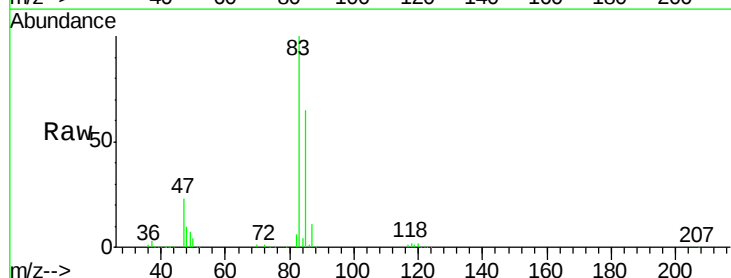
Manual Integrations
APPROVED

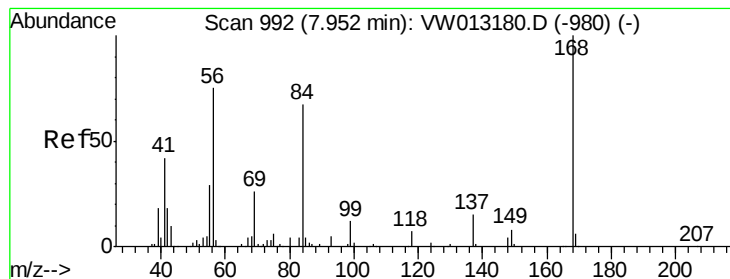
MMDadoda
9/25/2019 12:35:42 AM



#30
Chloroform
Concen: 50.995 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





#31

Cyclohexane

Concen: 47.015 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

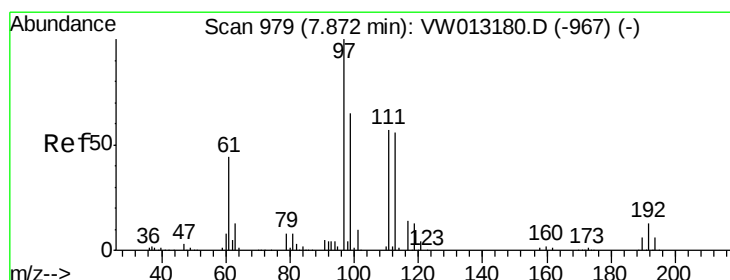
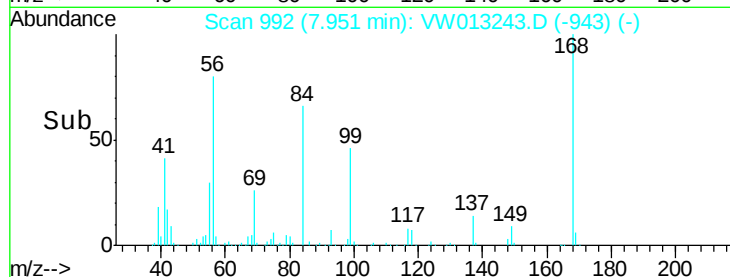
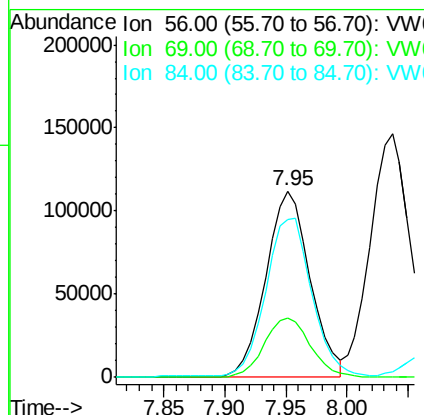
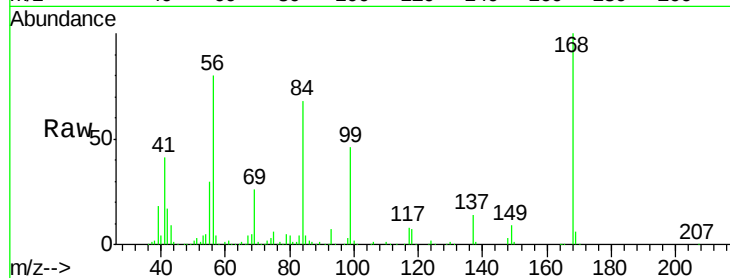
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	281628
Ion Ratio	Lower	Upper	
56	100		
69	31.8	27.2	40.8
84	83.9	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.734 ug/l

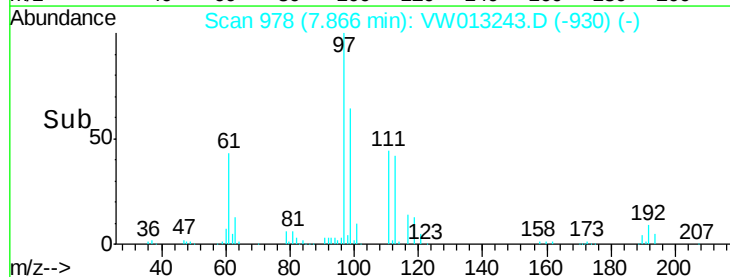
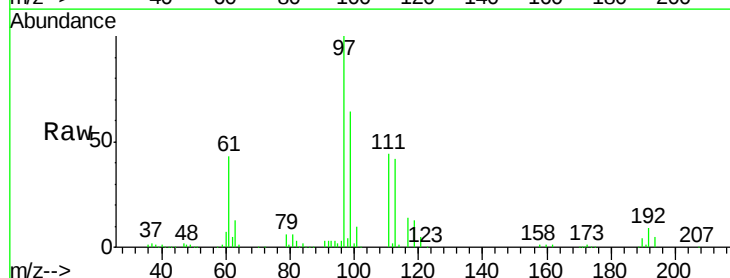
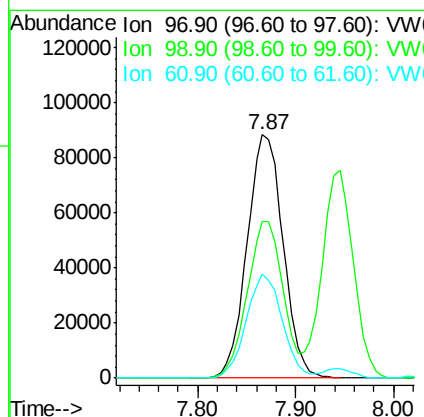
RT: 7.87 min Scan# 978

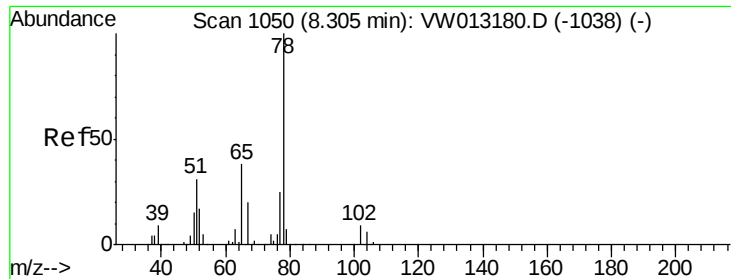
Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	97	Resp:	226620
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.7	77.5
61	42.6	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 50.967 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 140848

Ion Ratio Lower Upper

65 100

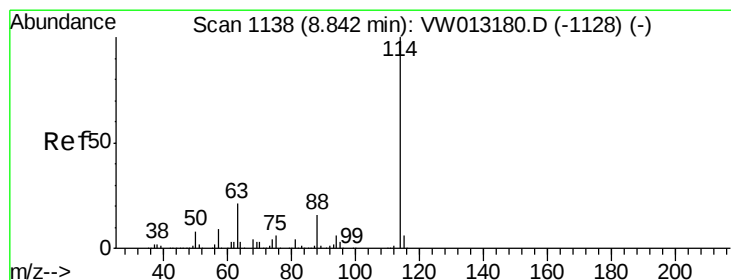
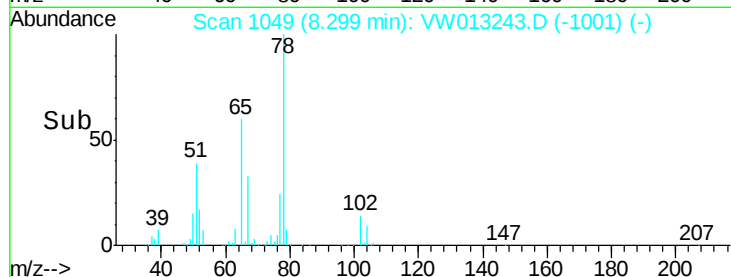
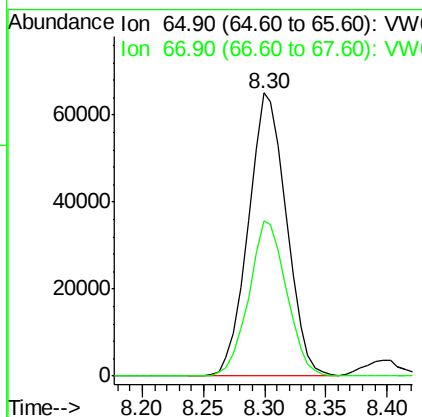
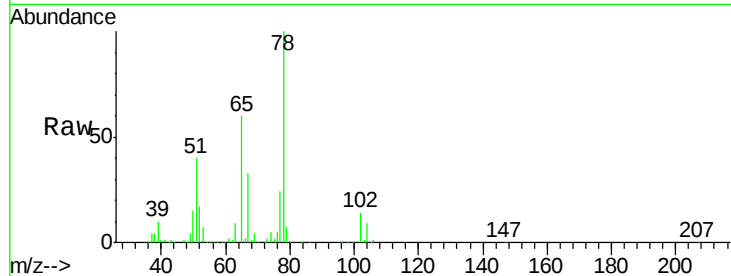
67 54.4 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

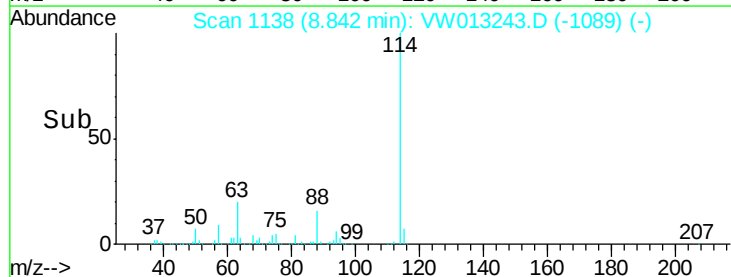
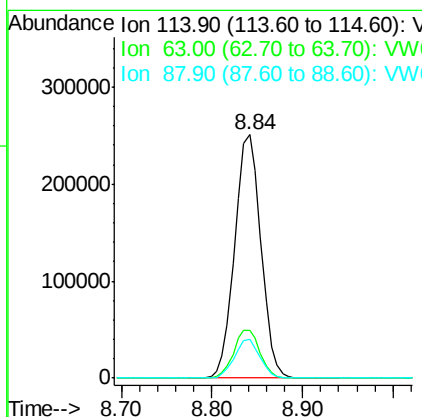
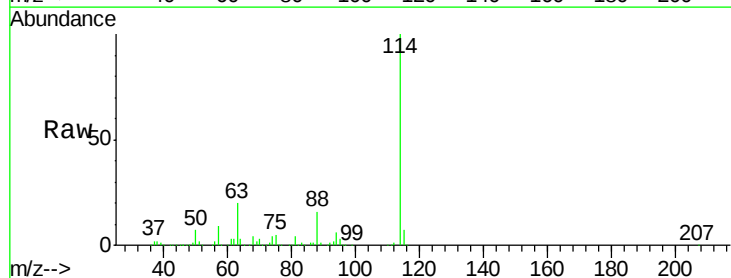
Tgt Ion: 114 Resp: 503170

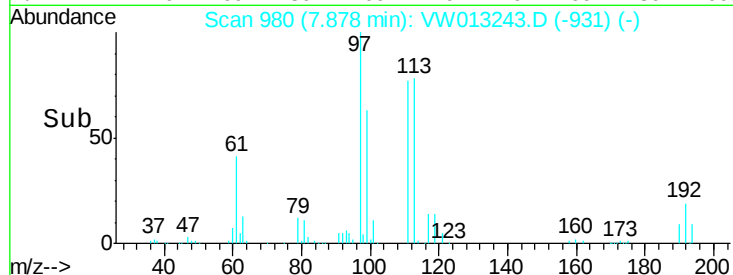
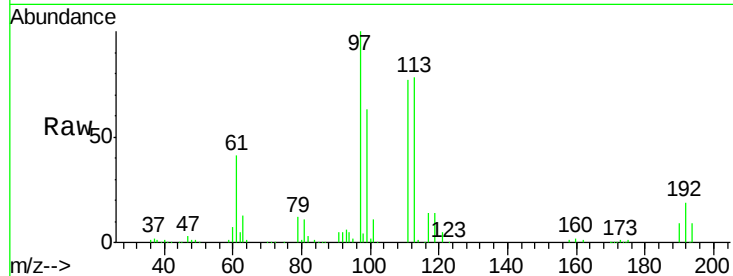
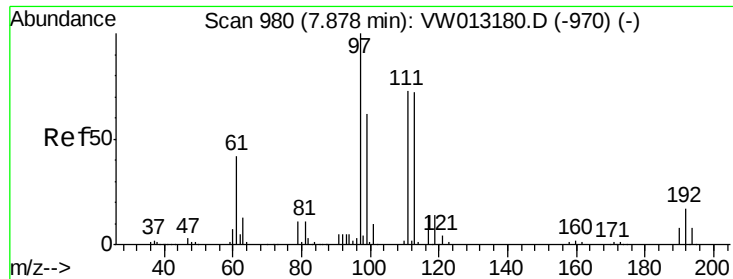
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 15.9 0.0 32.0





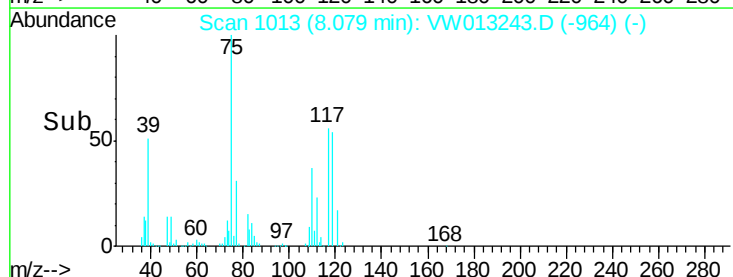
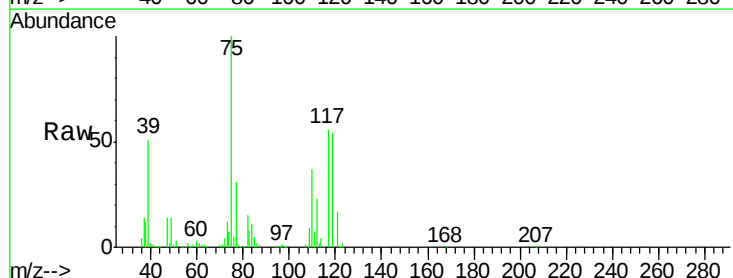
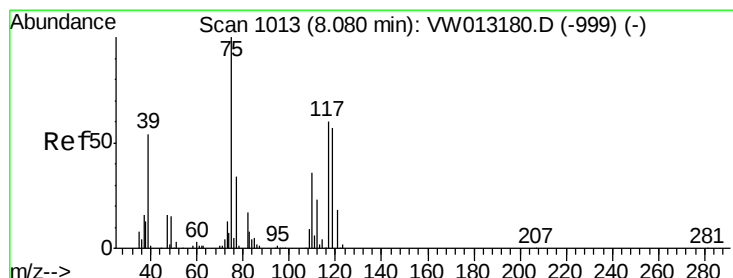
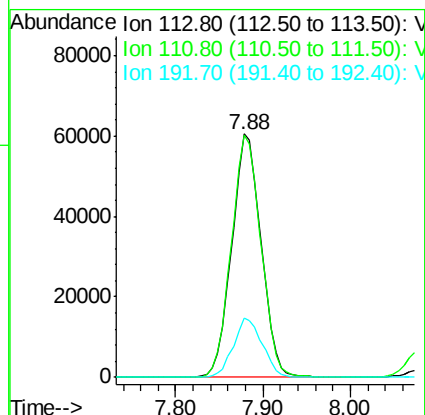
#35
Dibromofluoromethane
Concen: 51.136 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141516		
111	100.3	81.9	122.9	
192	24.0	19.1	28.7	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

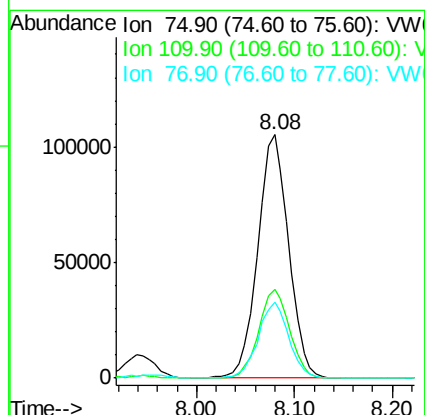
Manual Integrations
APPROVED

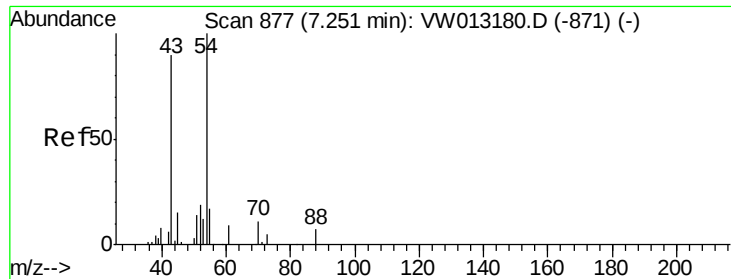
MMDadoda
9/25/2019 12:35:42 AM



#36
1,1-Dichloropropene
Concen: 47.529 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231633		
110	36.7	18.1	54.3	
77	31.2	25.8	38.6	





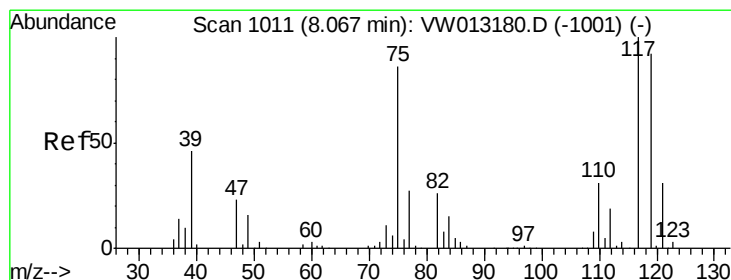
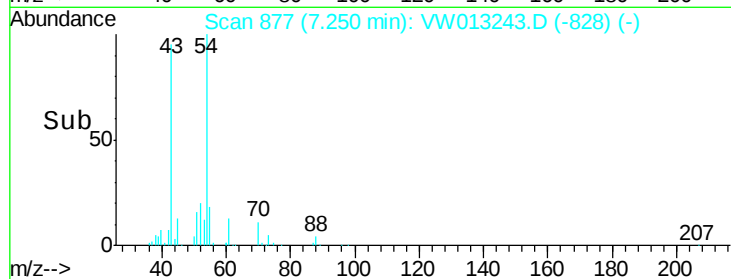
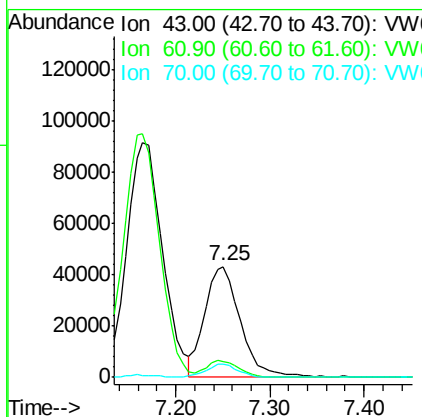
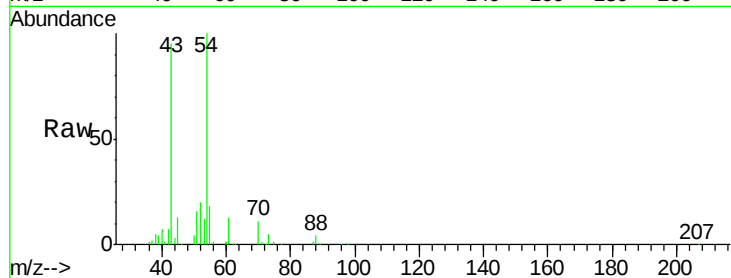
#37
Ethyl Acetate
Concen: 54.016 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.8	8.2	12.2

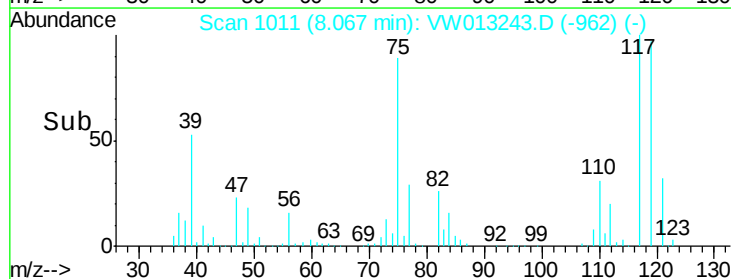
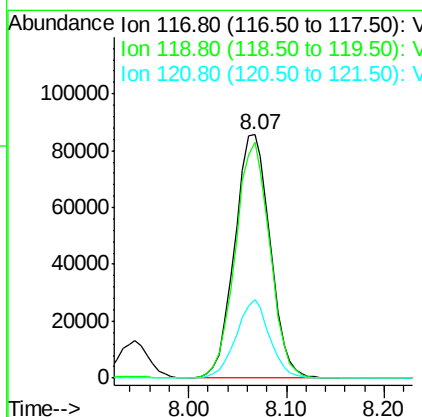
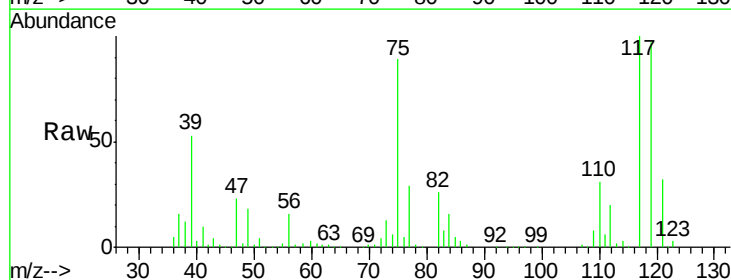
Manual Integrations
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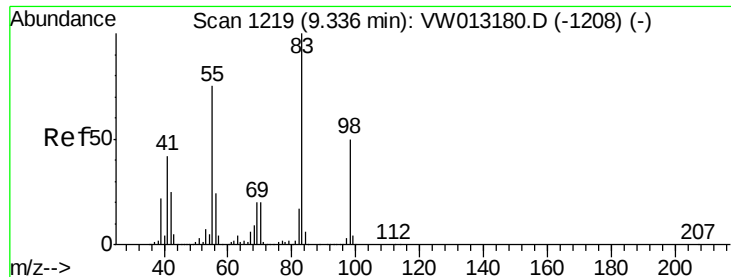
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.336 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	73.5	110.3
121	32.1	25.0	37.6





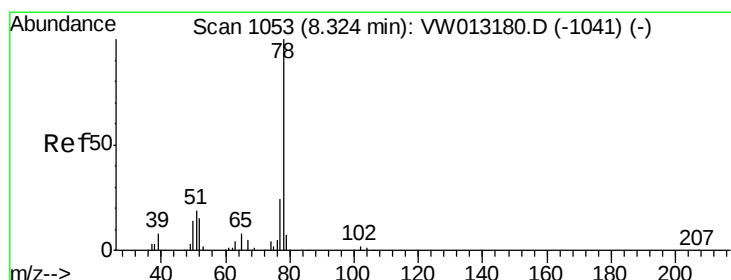
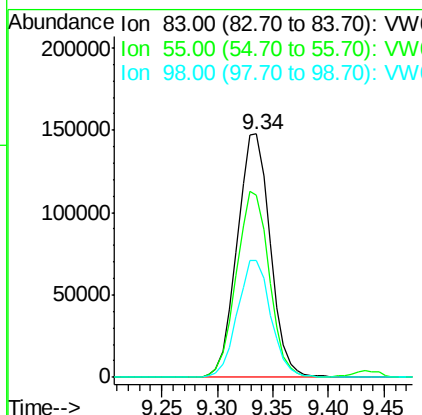
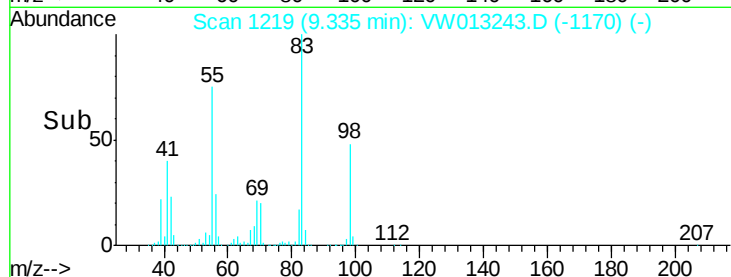
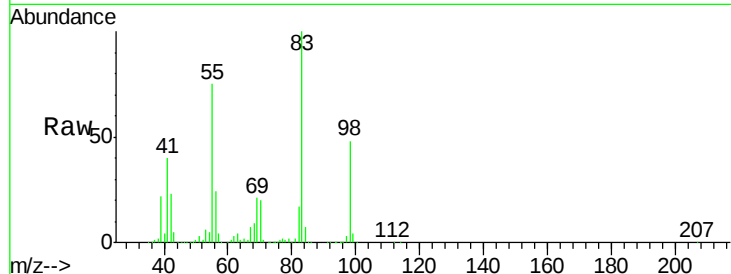
#39
Methvlcvclohexane
Concen: 48.784 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	305539		
55	75.0		60.4	90.6
98	48.1		40.0	60.0

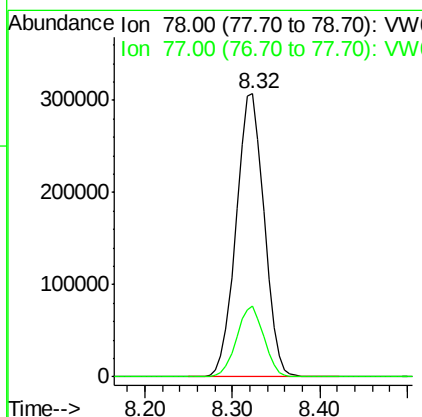
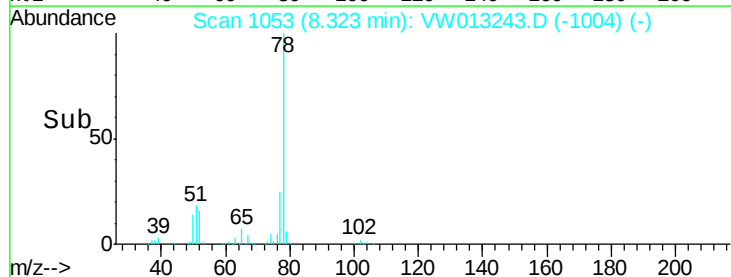
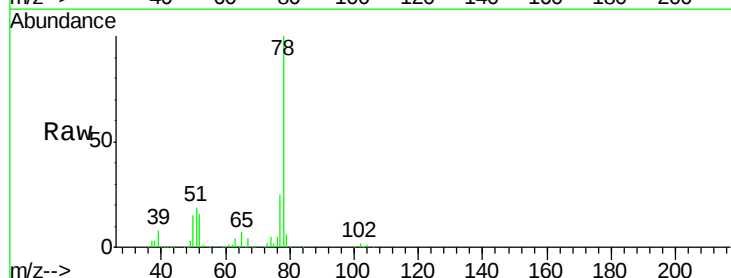
Manual Integrations
APPROVED

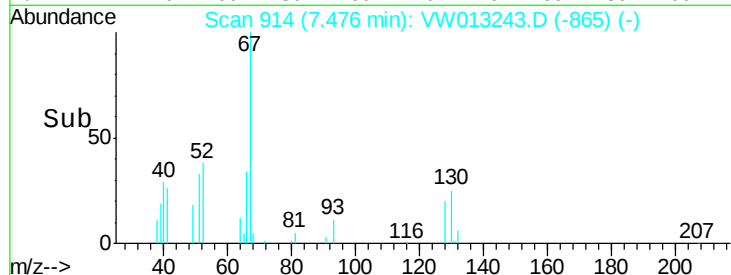
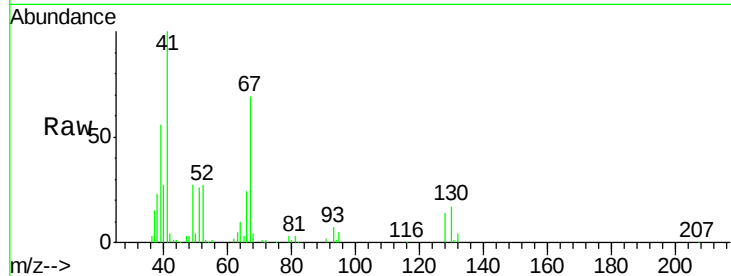
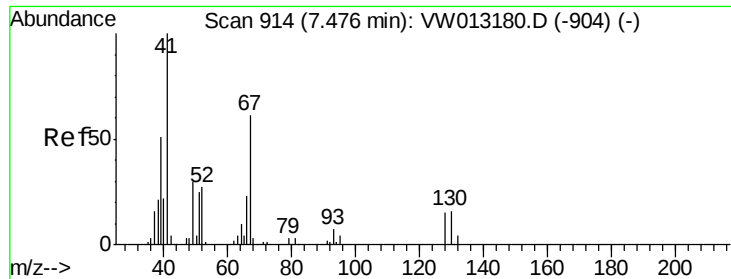
MMDadoda
9/25/2019 12:35:42 AM



#40
Benzene
Concen: 50.447 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	685763		
77	24.9		19.1	28.7





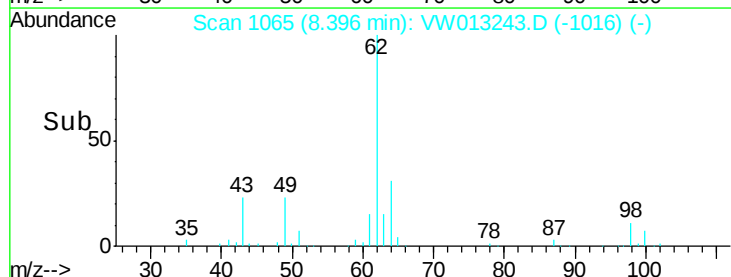
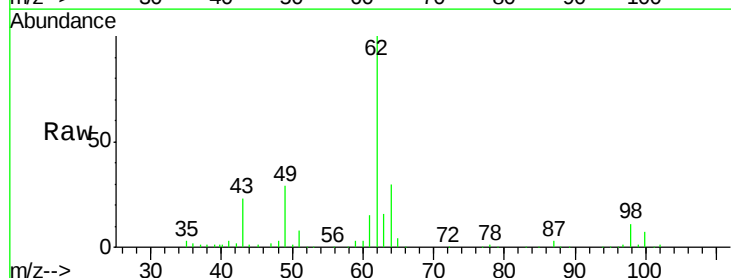
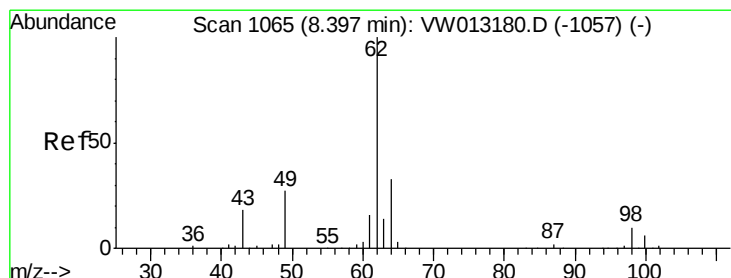
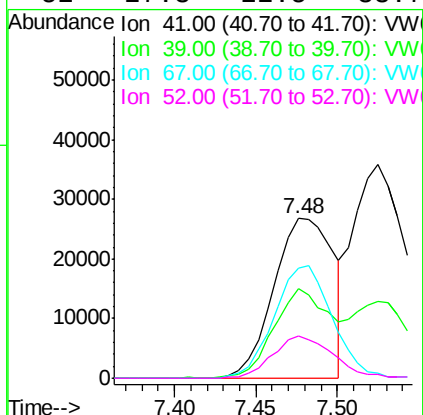
#41
Methacrylonitrile
Concen: 55.018 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tot Ion	41	Resp	68013
Ion Ratio	100	Lower	Upper
41	100		
39	52.2	45.9	68.9
67	68.8	54.5	81.7
52	27.3	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

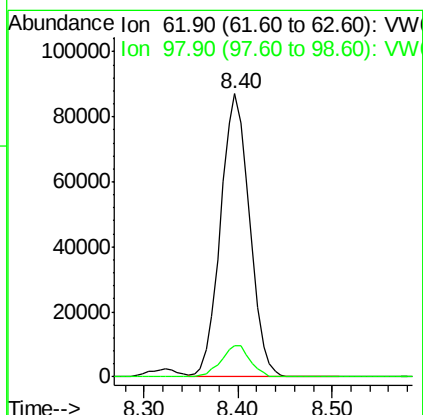
Manual Integrations
APPROVED

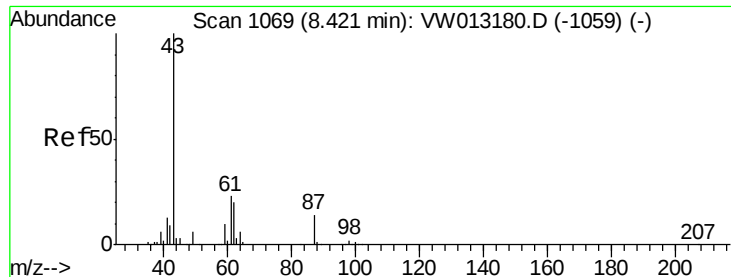
MMDadoda
9/25/2019 12:35:42 AM



#42
1,2-Dichloroethane
Concen: 50.893 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	62	Resp	185977
Ion Ratio	100	Lower	Upper
62	100		
98	11.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 53.675 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

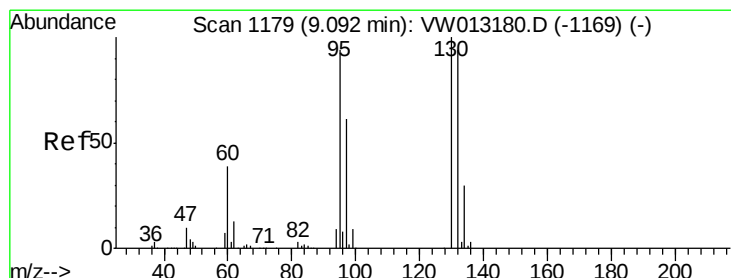
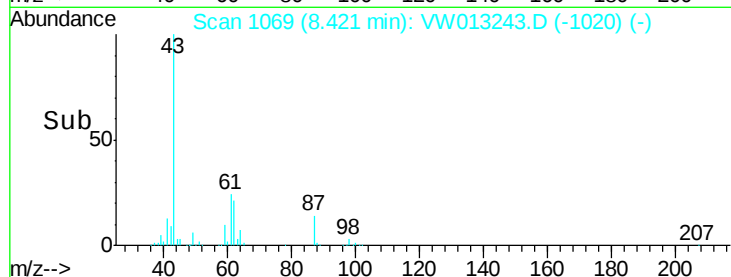
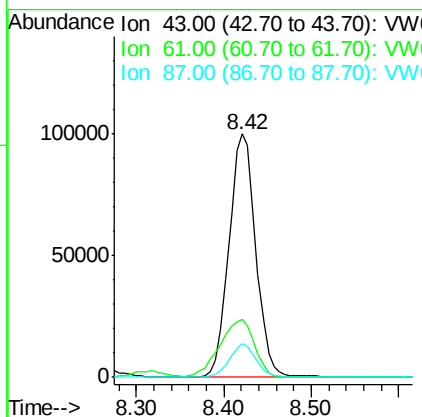
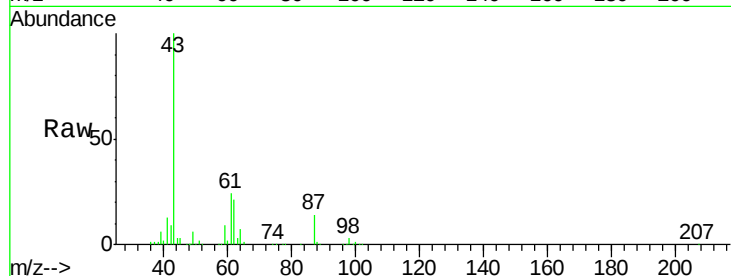
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	213077
Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.5	38.3
87	13.4	11.0	16.4

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#44

Trichloroethene

Concen: 49.356 ug/l

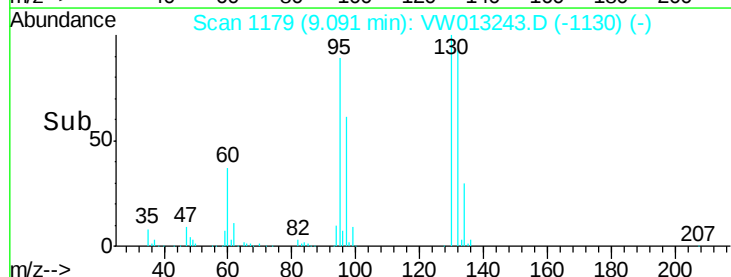
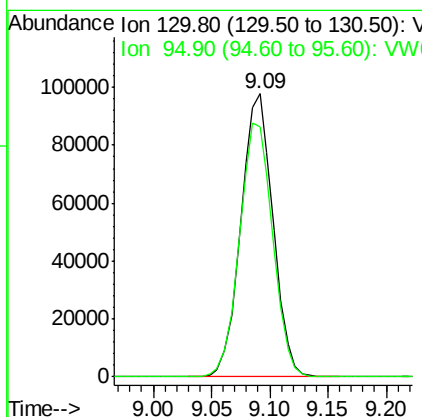
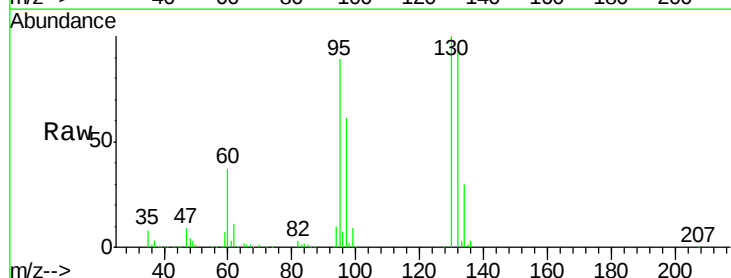
RT: 9.09 min Scan# 1179

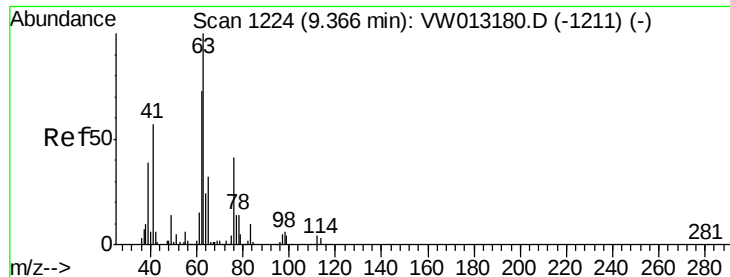
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	130	Resp:	188244
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 51.702 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 171591

Ion Ratio Lower Upper

63 100

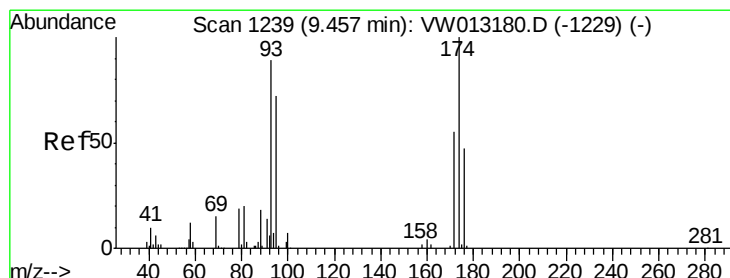
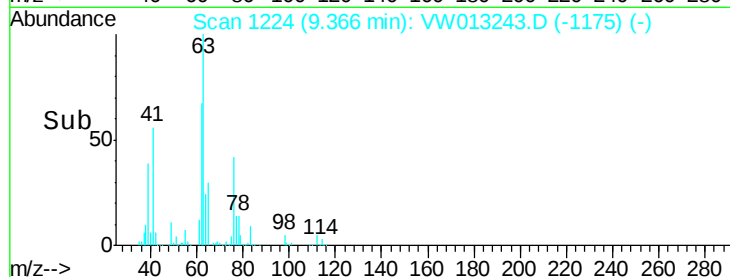
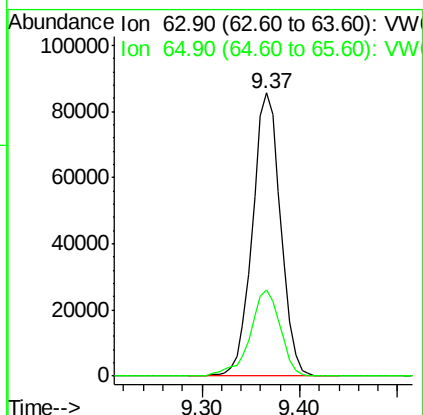
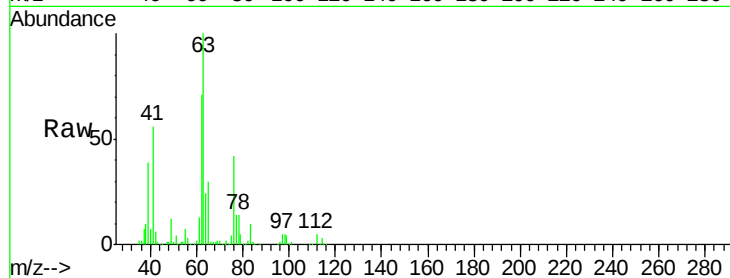
65 30.4 25.3 37.9

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#46

Dibromomethane

Concen: 52.360 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

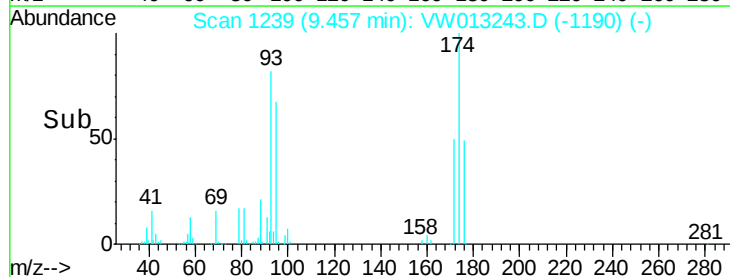
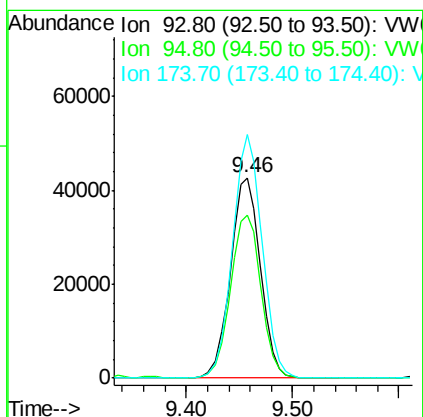
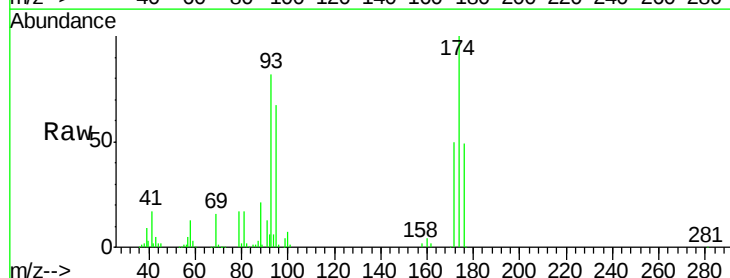
Tgt Ion: 93 Resp: 84367

Ion Ratio Lower Upper

93 100

95 82.9 66.4 99.6

174 119.7 93.0 139.6





#47

Bromodichloromethane

Concen: 51.716 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

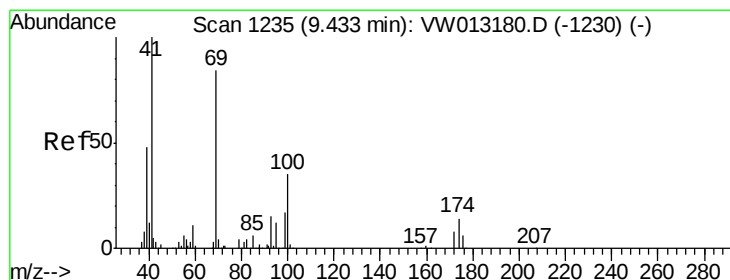
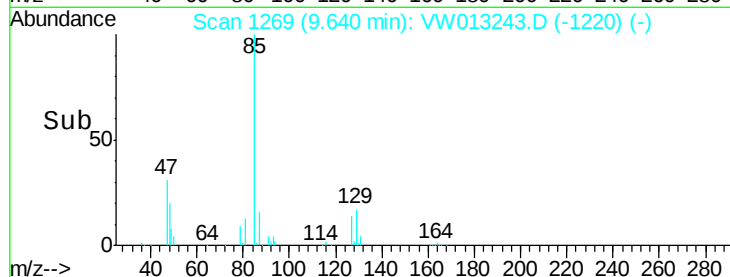
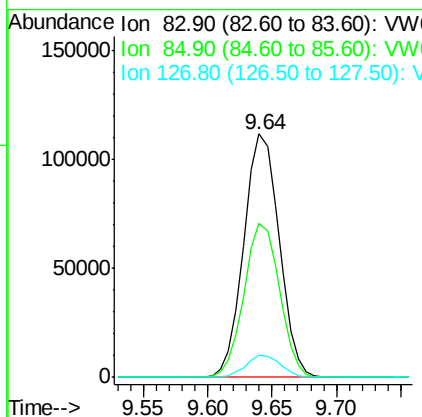
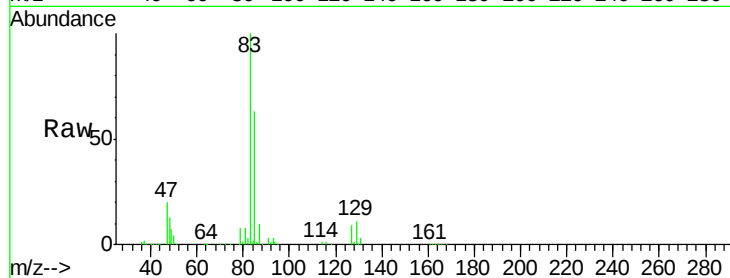
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	212034
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.4	74.2
127	9.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.237 ug/l

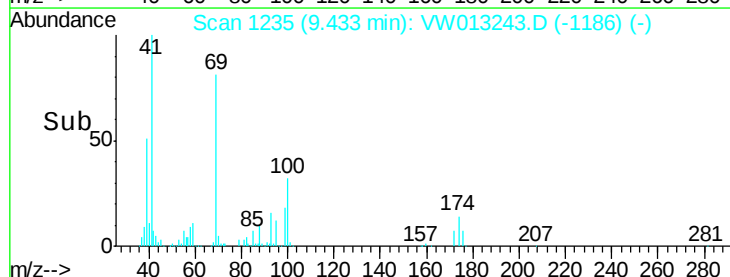
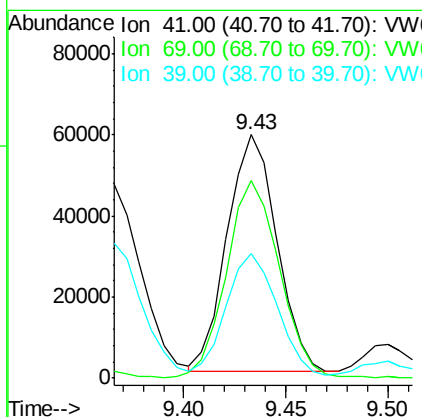
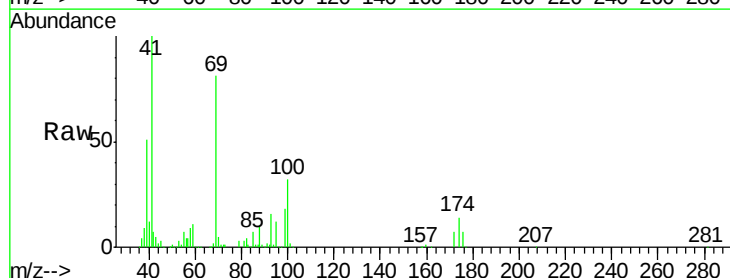
RT: 9.43 min Scan# 1235

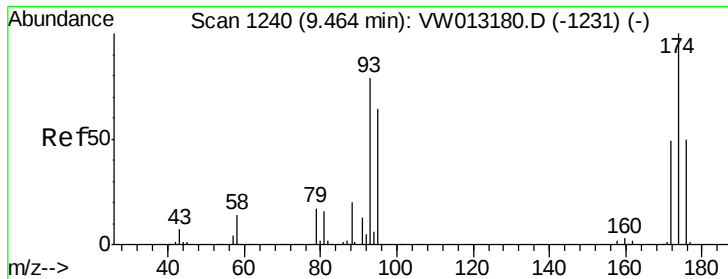
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	41	Resp:	99377
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.7	104.5
39	52.2	41.1	61.7





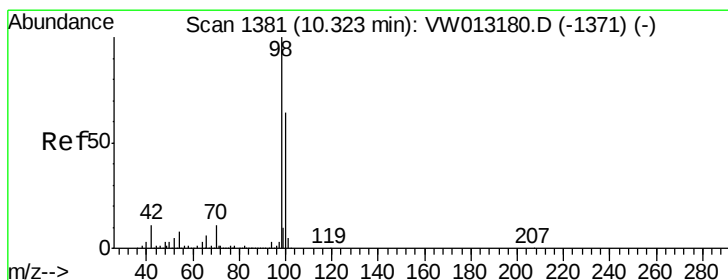
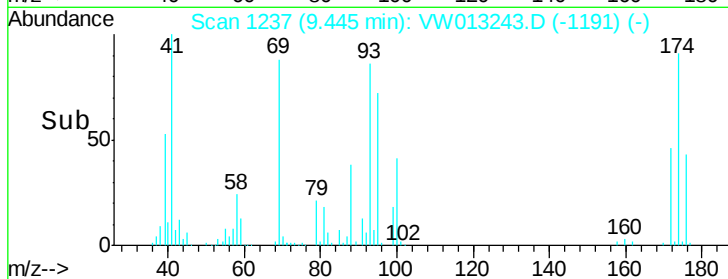
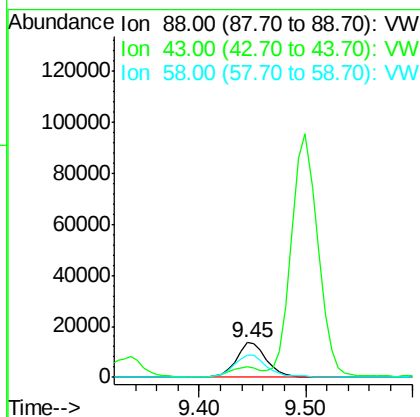
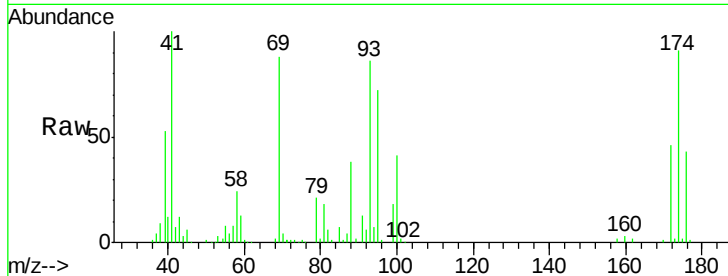
#49
1,4-Dioxane
Concen: 1134.566 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	27441
Ion	Ratio	Lower	Upper
88	100		
43	32.5	0.0	0.0#
58	70.1	65.4	98.0

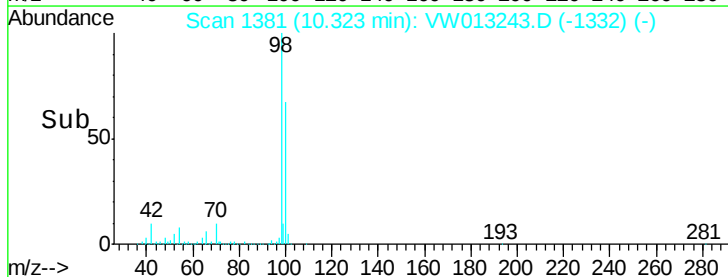
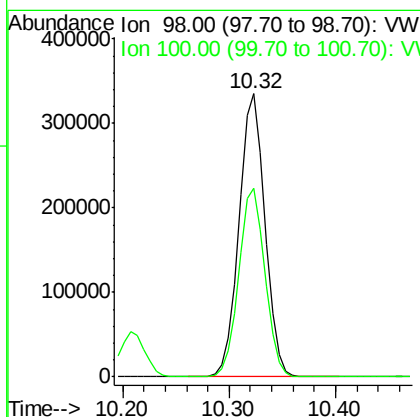
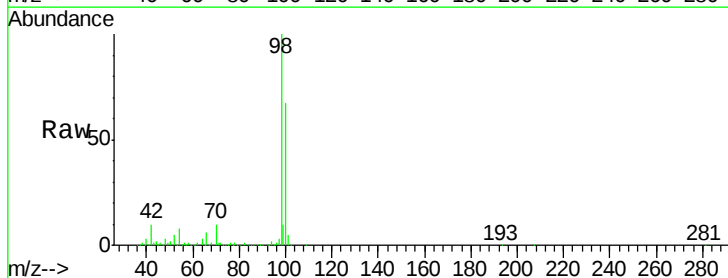
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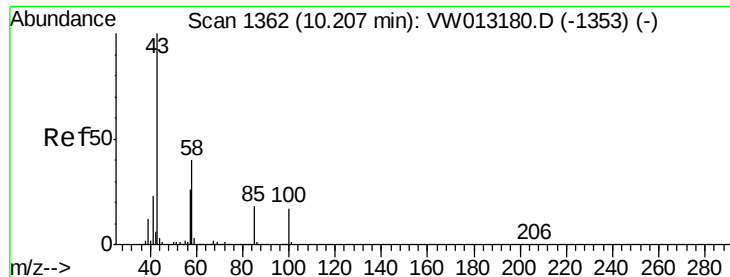
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#50
Toluene-d8
Concen: 49.580 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	98	Resp	574237
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.9	79.3





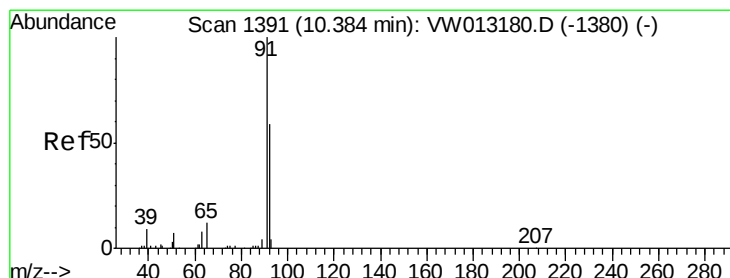
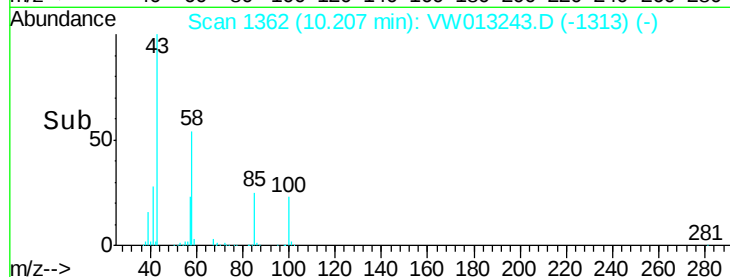
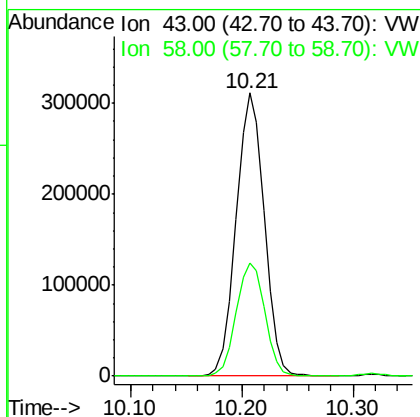
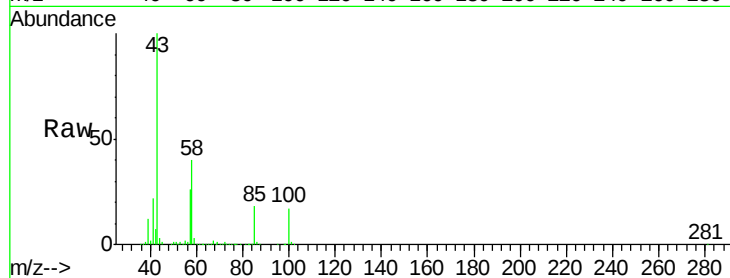
#51
4-Methyl-2-Pentanone
Concen: 273.106 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	543516
Ion Ratio	100	Lower	Upper
43	100		
58	40.7	31.7	47.5

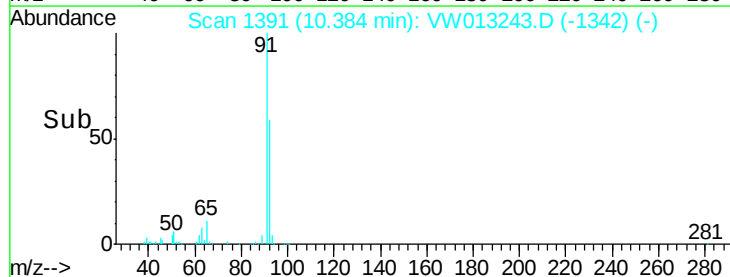
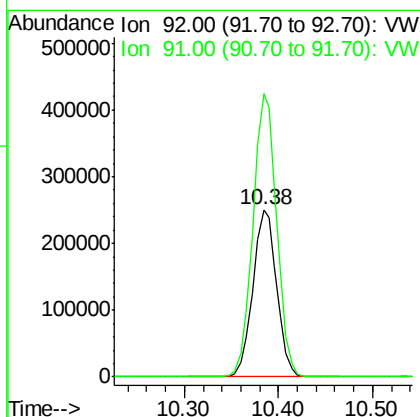
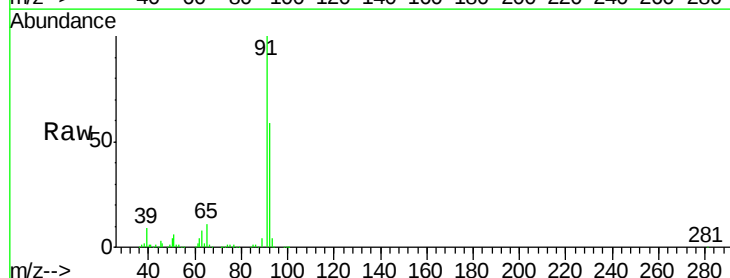
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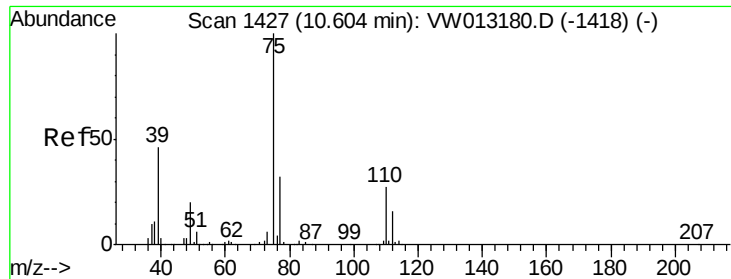
MMDadoda
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#52
Toluene
Concen: 50.968 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	92	Resp	444038	
Ion Ratio	92	100	Lower	Upper
91	169.5	135.7	203.5	





#53

t-1,3-Dichloropropene

Concen: 53.270 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 224389

Ion Ratio Lower Upper

75 100

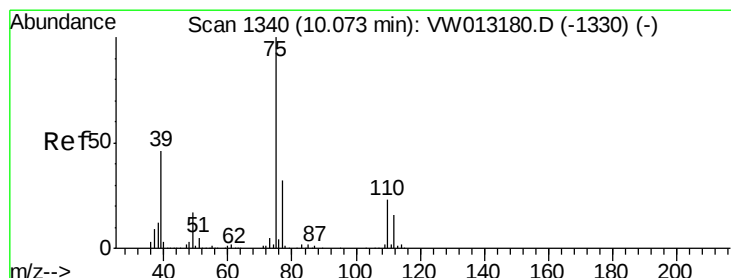
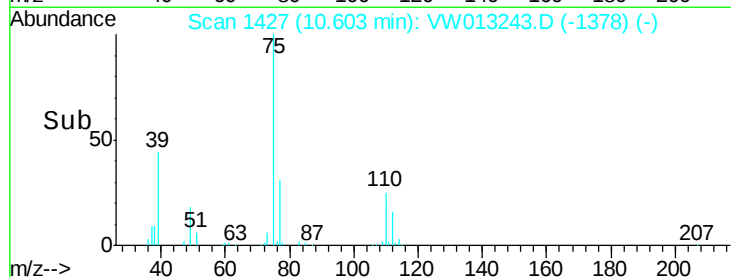
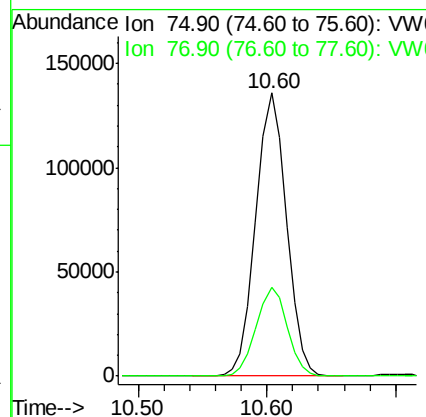
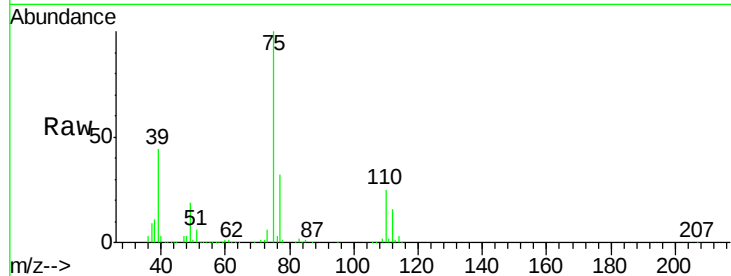
77 31.4 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.180 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

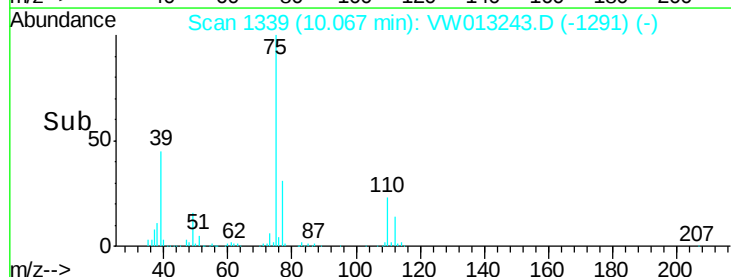
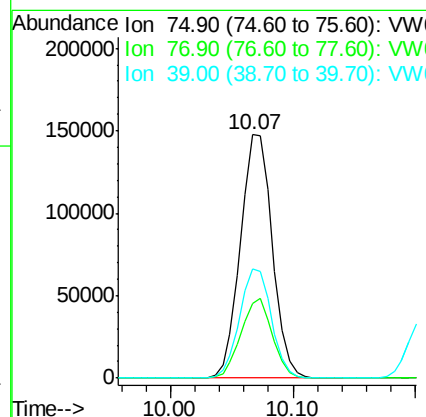
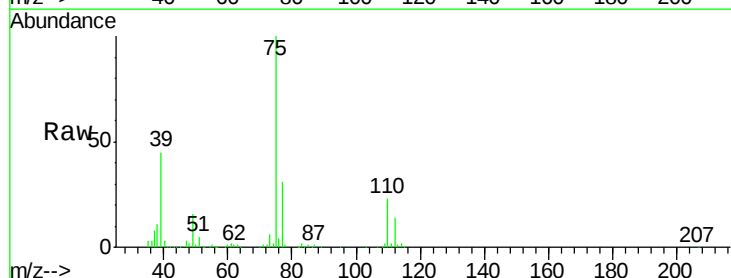
Tgt Ion: 75 Resp: 267247

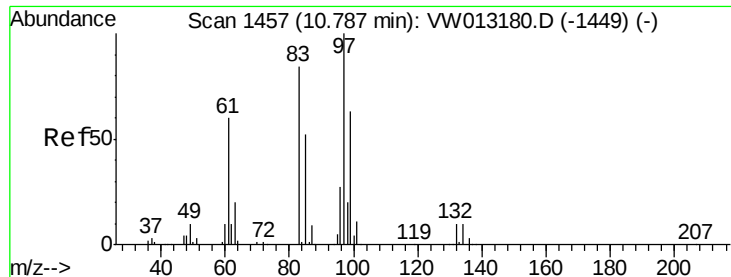
Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

39 44.7 36.6 55.0





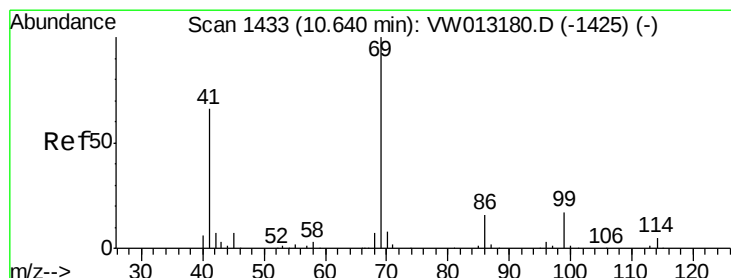
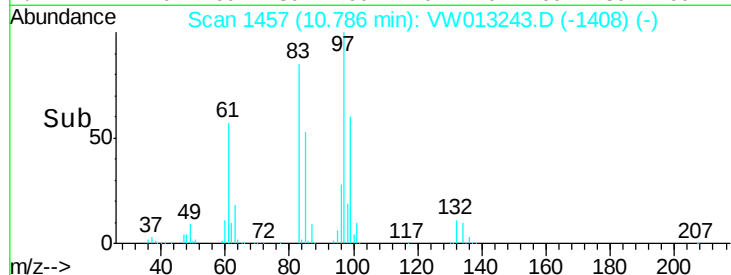
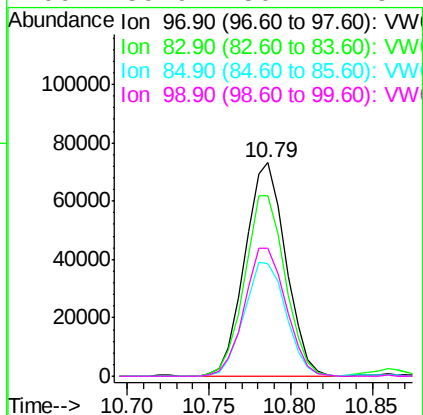
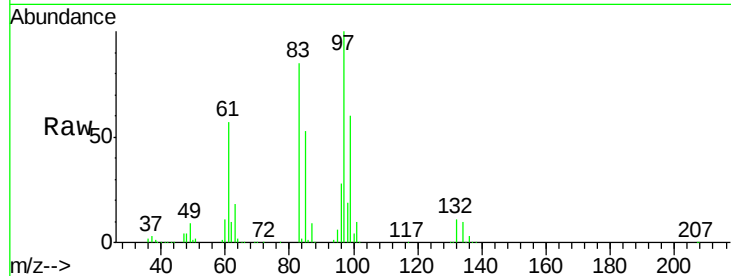
#55
 1,1,2-Trichloroethane
 Concen: 53.143 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	127986
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.6	101.4
85	52.7	41.9	62.9
99	59.9	50.1	75.1

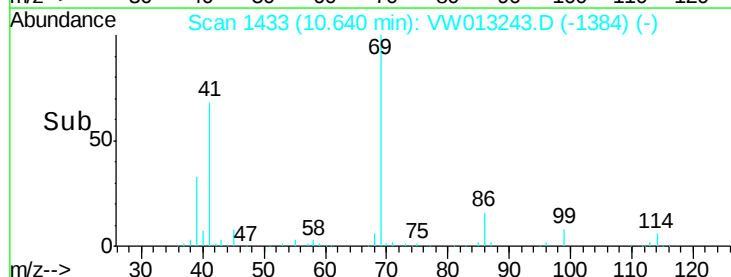
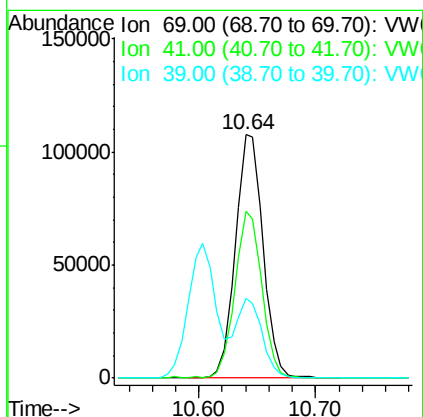
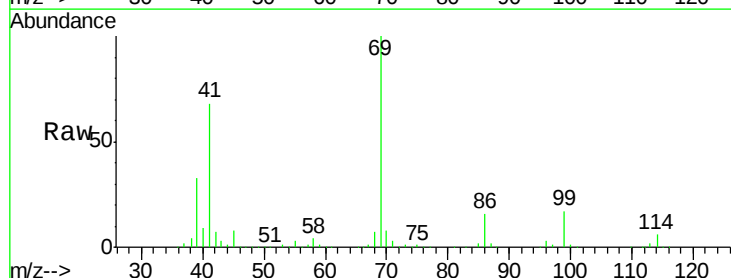
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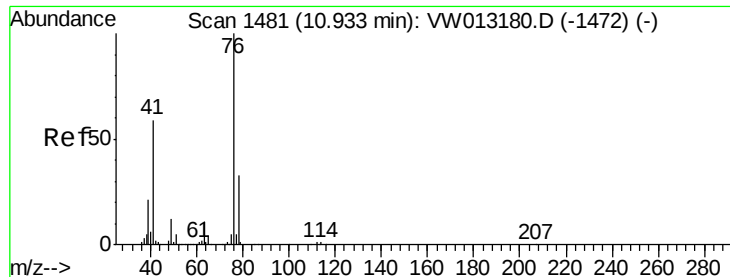
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#56
 Ethyl methacrylate
 Concen: 56.525 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion:	69	Resp:	178158
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.9	80.9
39	28.3	23.8	35.6





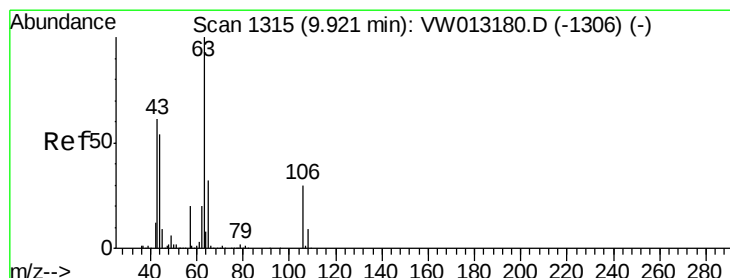
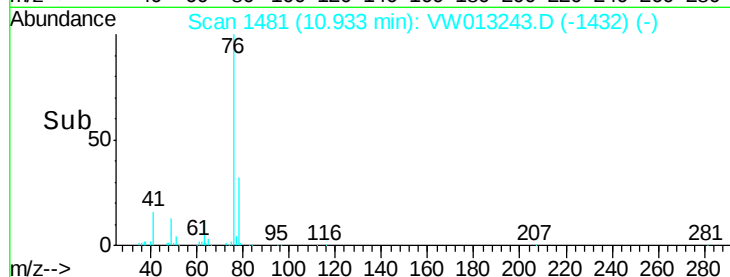
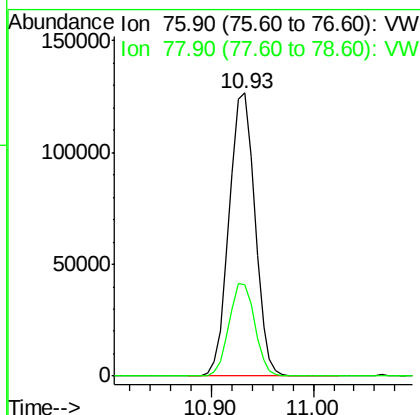
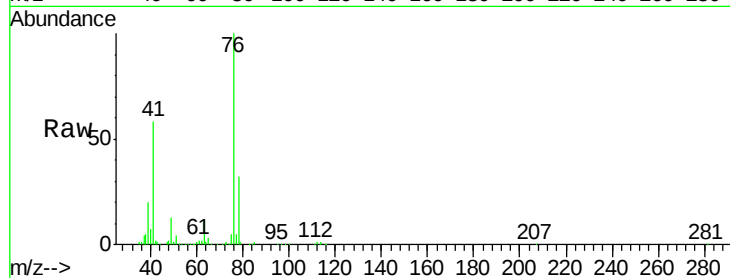
#57
 1,3-Dichloropropane
 Concen: 52.775 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

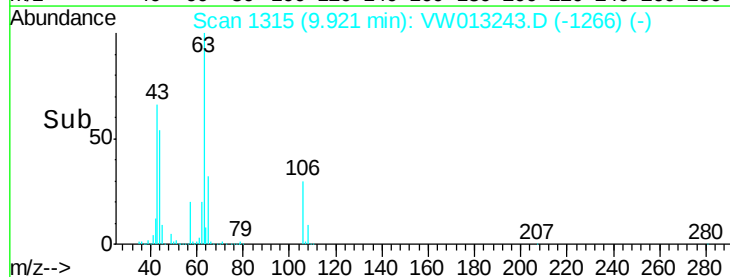
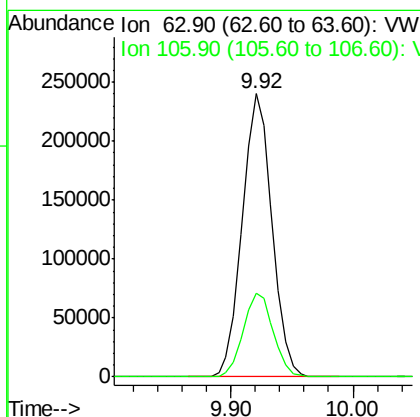
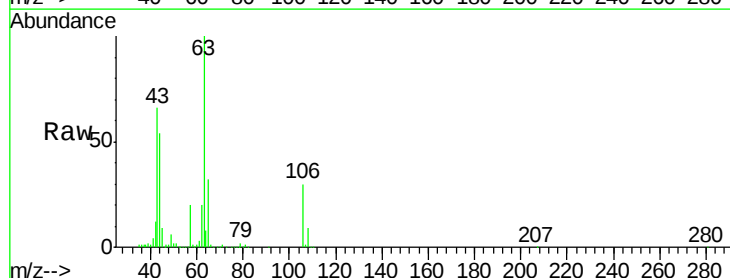
Manual Integrations
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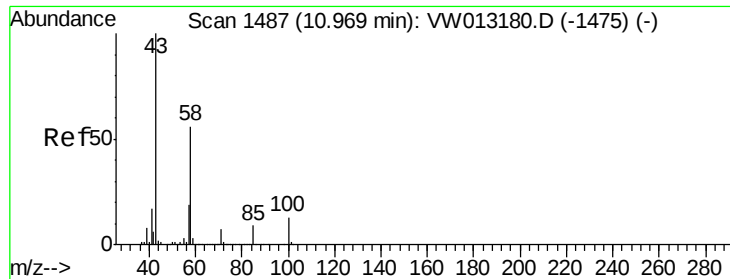
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 277.363 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.4	35.0





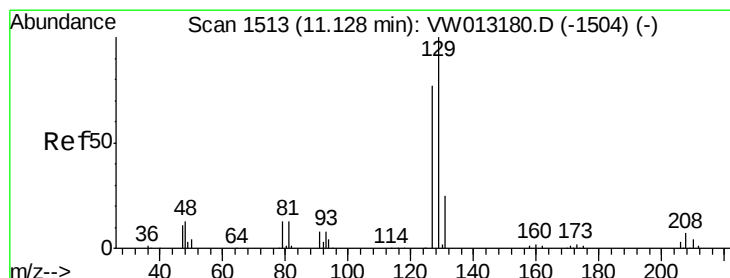
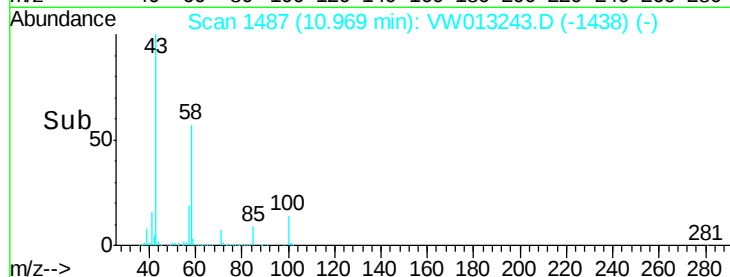
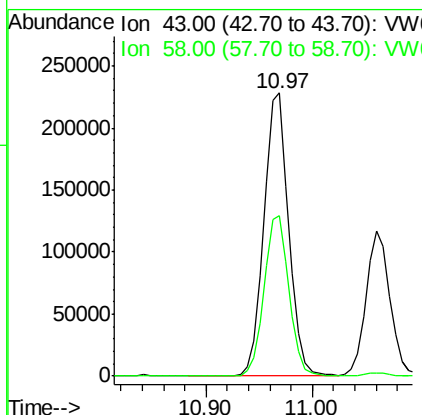
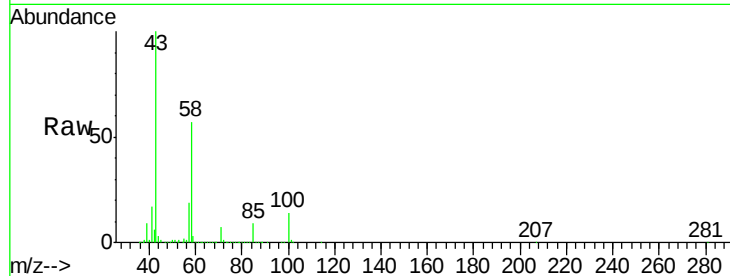
#59
2-Hexanone
Concen: 271.927 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.1	84.2

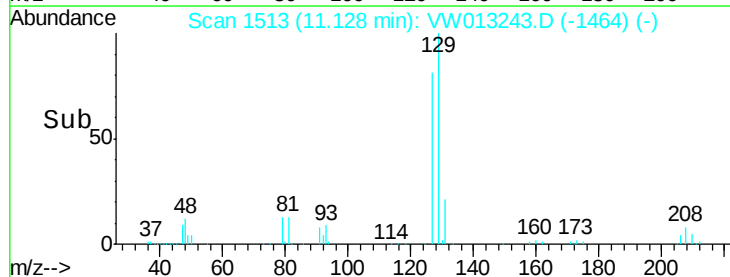
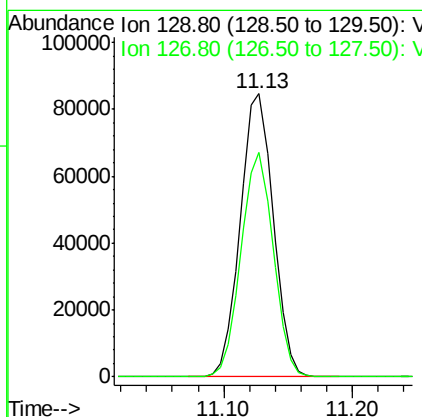
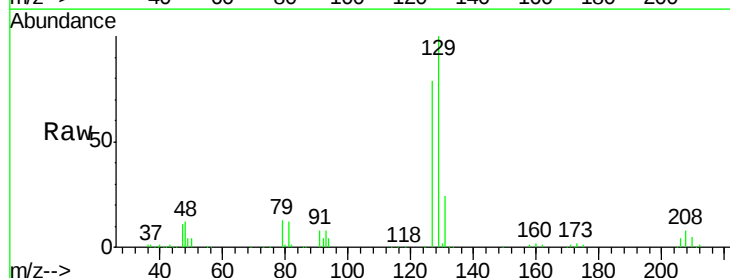
Manual Integrations
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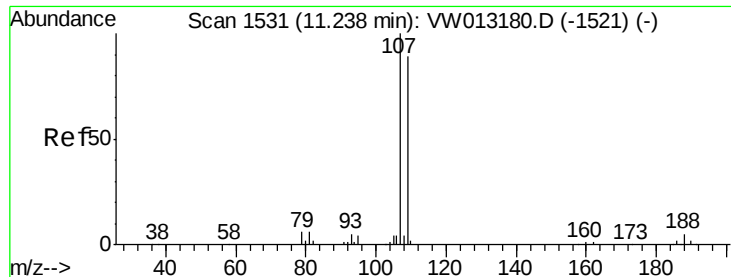
MMDadoda
9/25/2019 12:35:42 AM



#60
Dibromochloromethane
Concen: 54.874 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.8	116.4





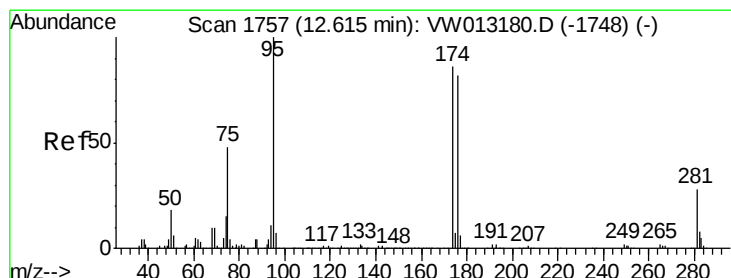
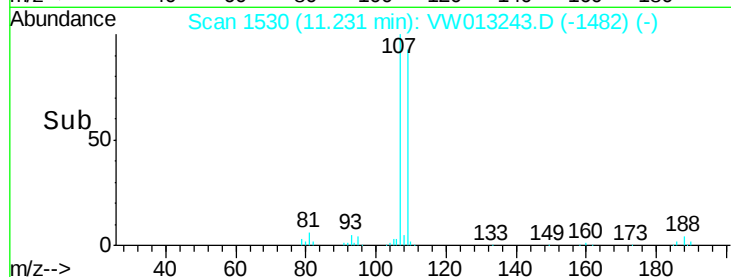
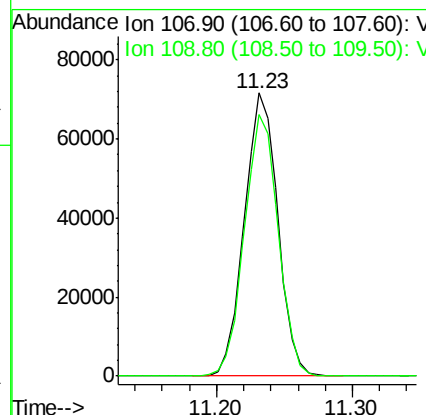
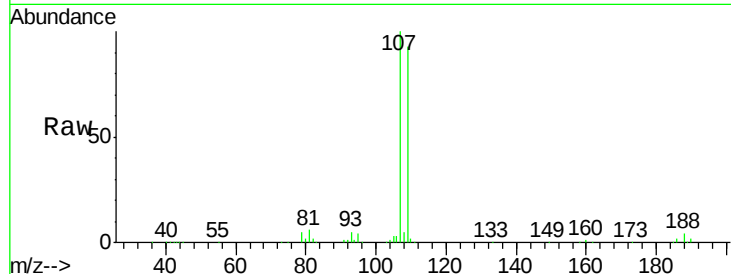
#61
1,2-Dibromoethane
Concen: 53.905 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	123434		
109	93.5	75.2	112.8	

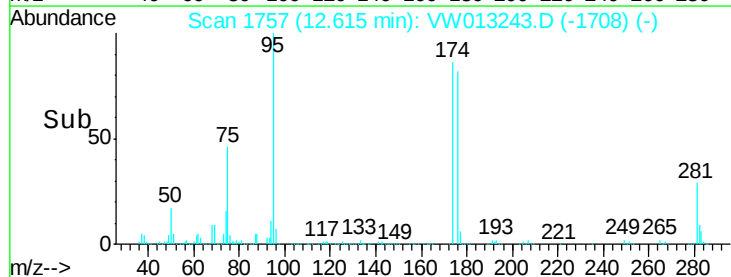
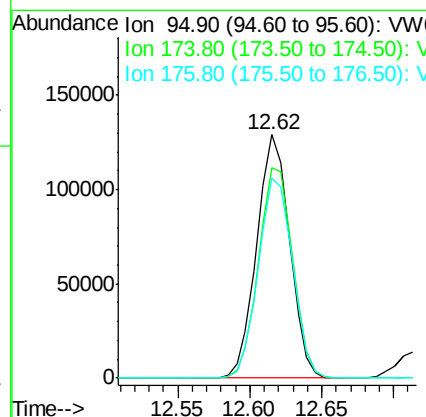
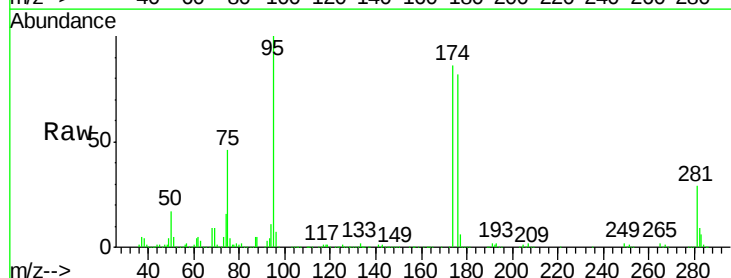
Manual Integrations
APPROVED

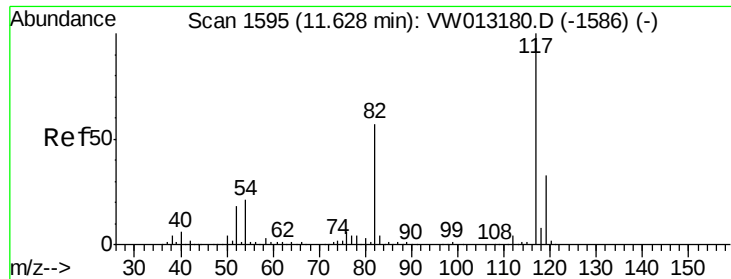
MMDadoda
9/25/2019 12:35:42 AM



#62
4-Bromofluorobenzene
Concen: 51.568 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	204019		
174	89.5	0.0	178.4	
176	85.4	0.0	172.2	





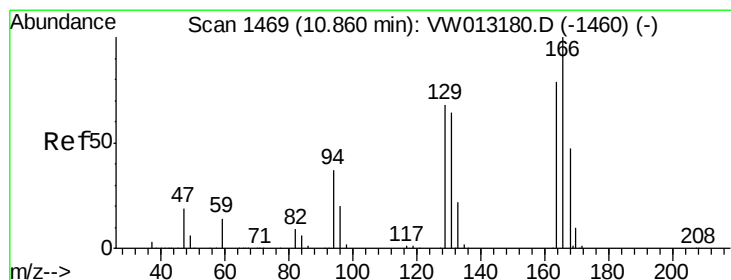
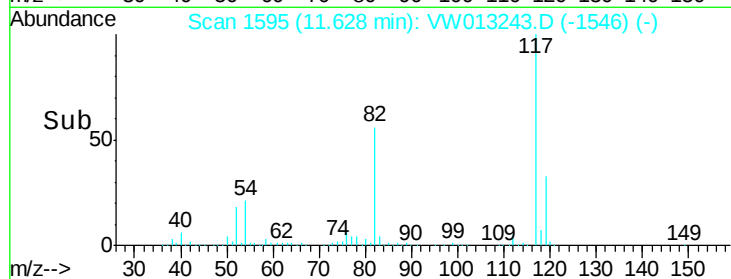
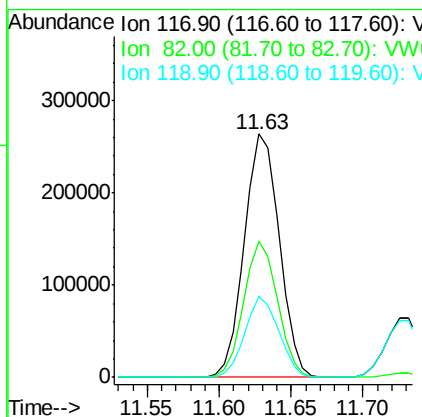
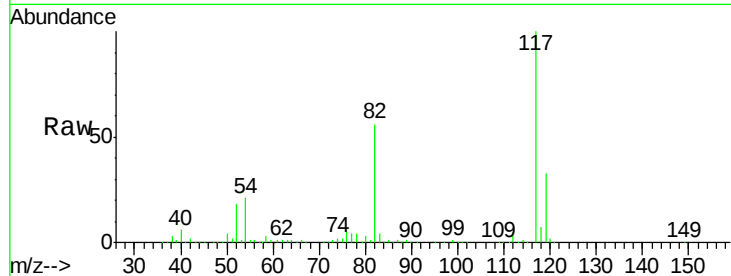
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.9	68.9
119	33.3	26.2	39.2

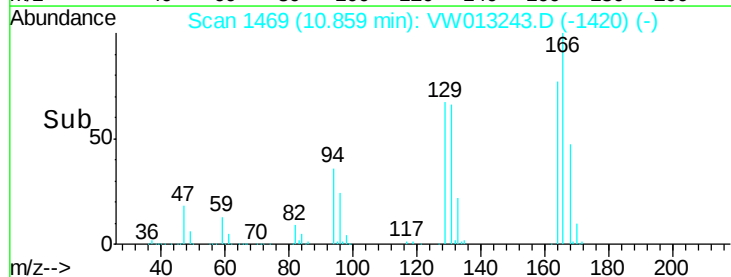
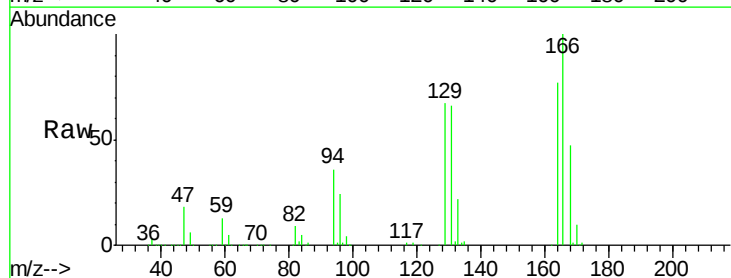
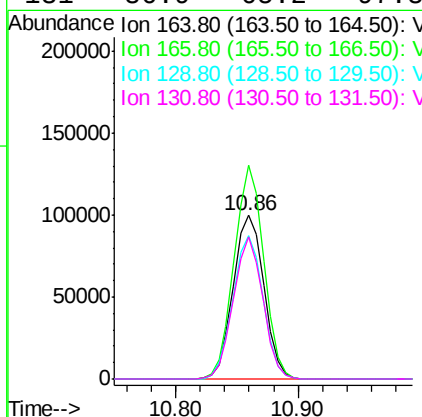
Manual Integrations
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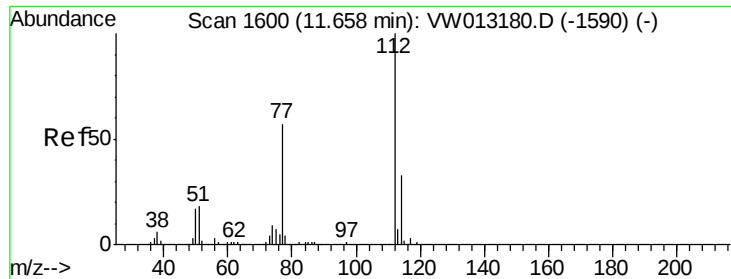
MMDadoda
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#64
Tetrachloroethene
Concen: 51.368 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.2	151.8
129	87.5	68.8	103.2
131	86.9	65.2	97.8





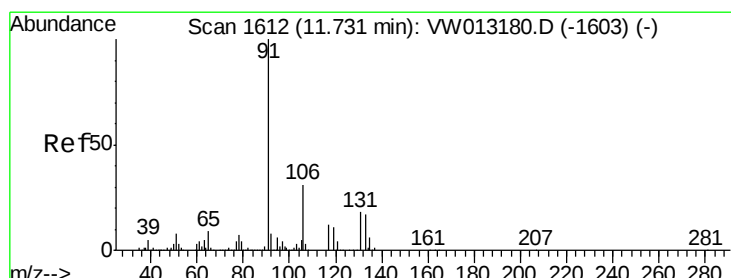
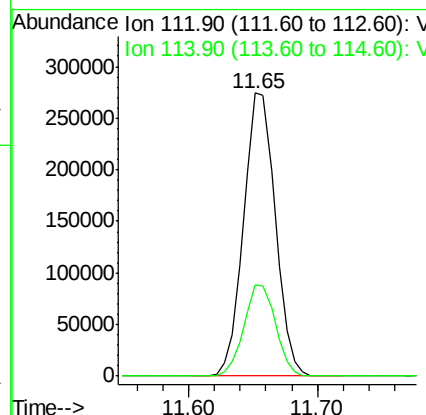
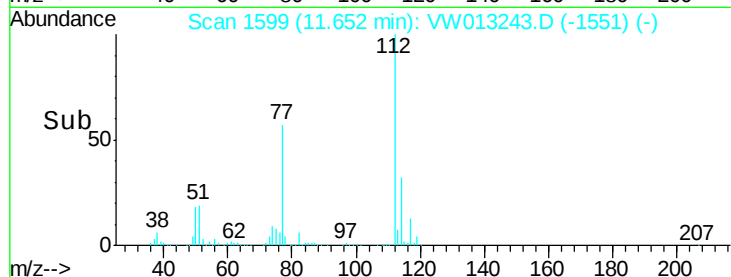
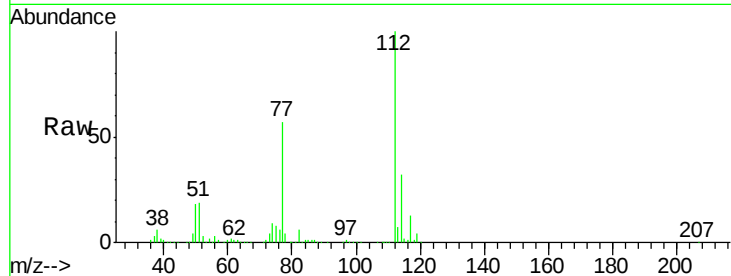
#65
Chlorobenzene
Concen: 50.337 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

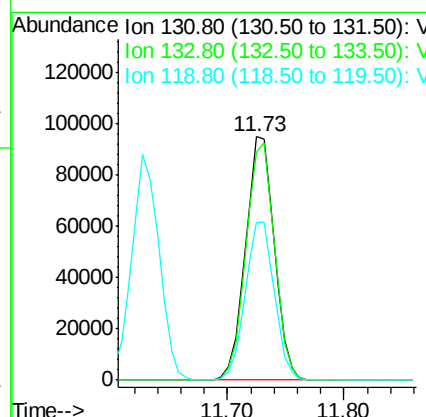
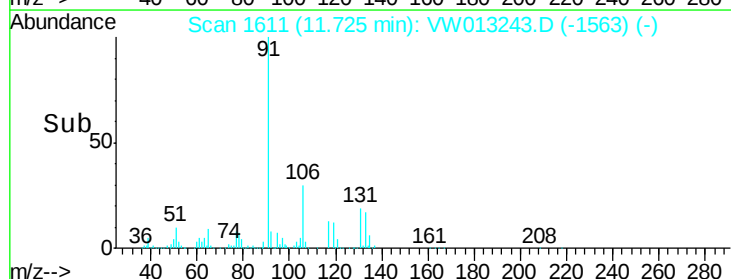
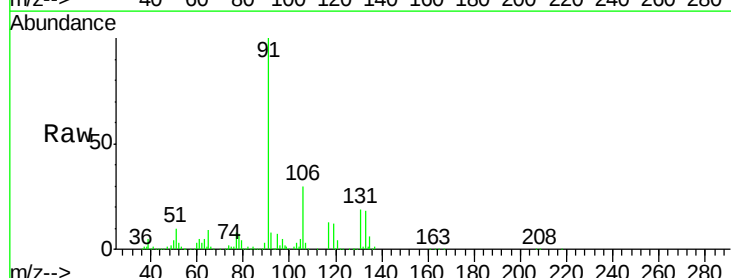
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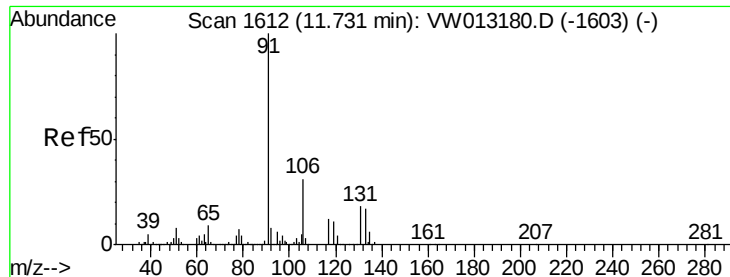
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.703 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.5	142.6
119	65.5	32.5	97.5





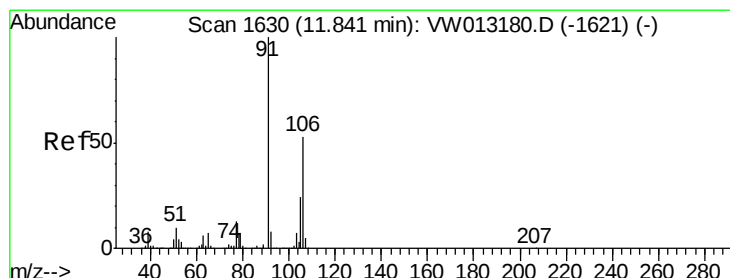
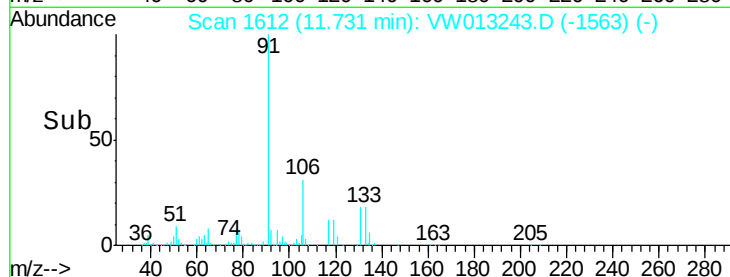
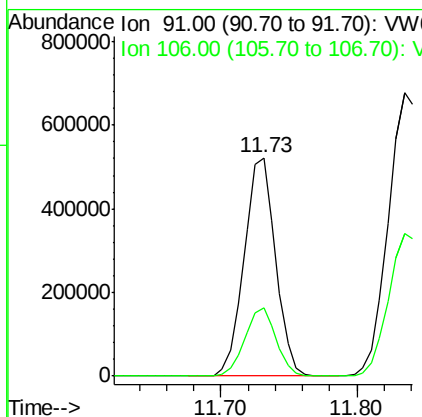
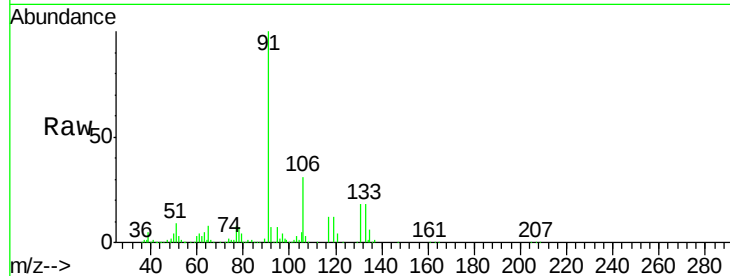
#67
Ethyl Benzene
Concen: 50.180 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		843743		
106	31.0	24.9	37.3		

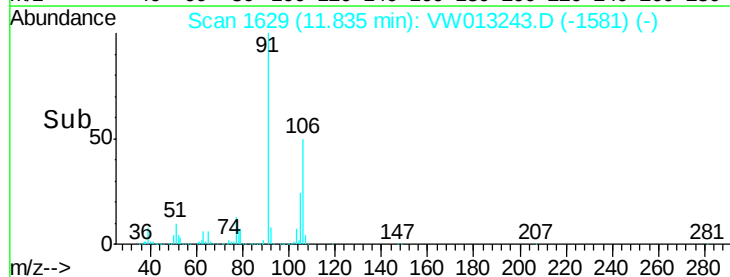
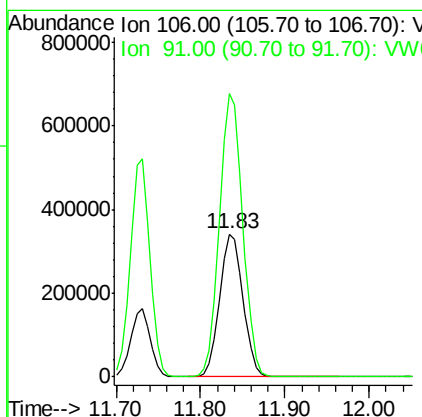
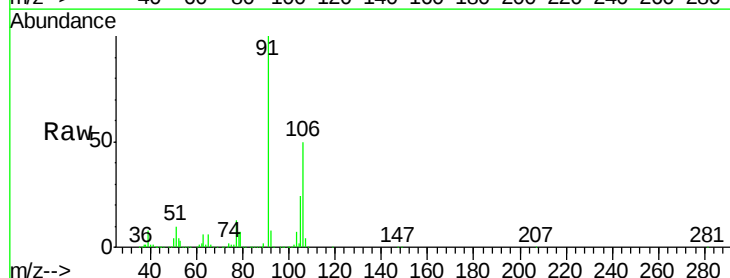
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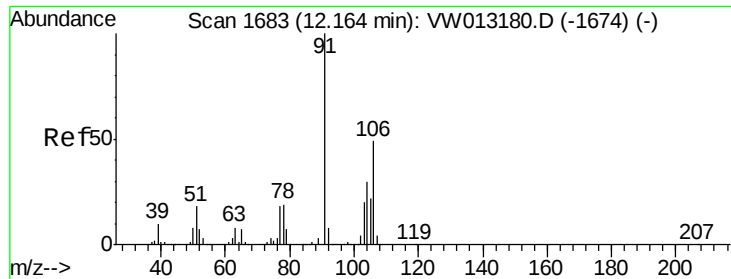
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#68
m/p-Xylenes
Concen: 100.781 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		645739		
91	197.8	157.9	236.9		





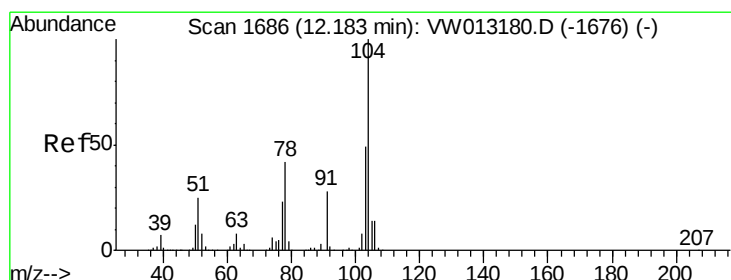
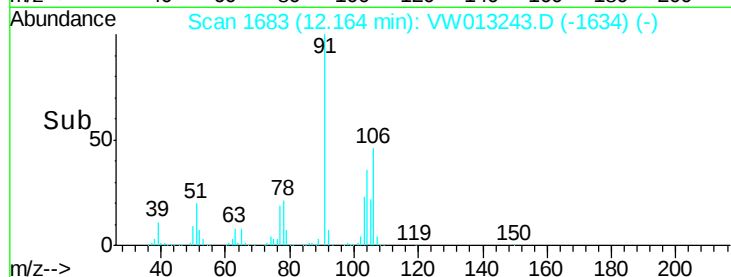
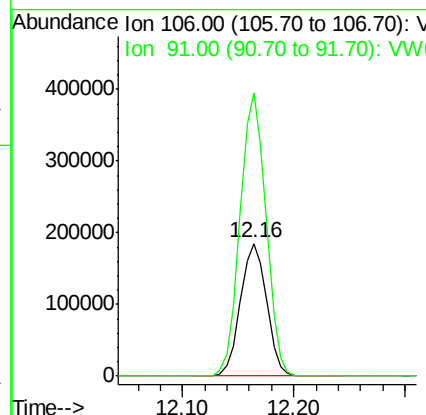
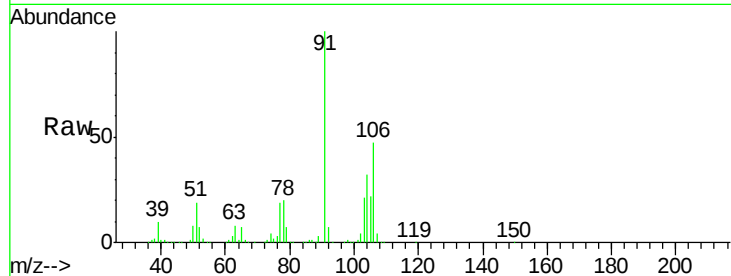
#69
o-Xylene
Concen: 50.430 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.5	319.5

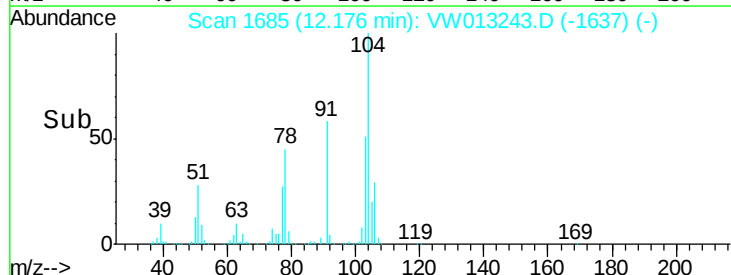
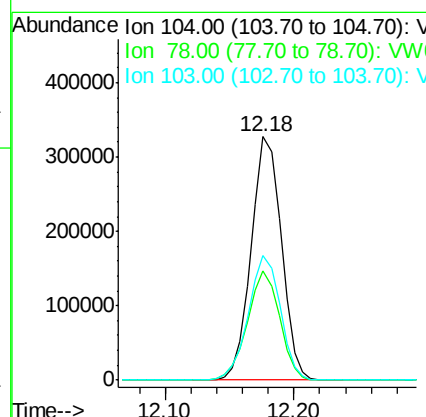
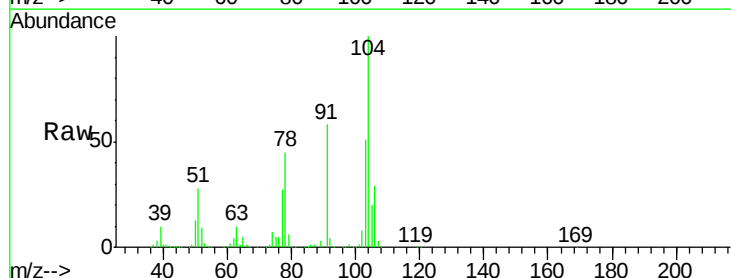
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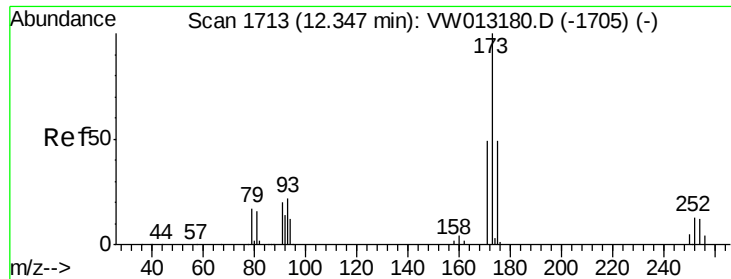
MMDadoda
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#70
Styrene
Concen: 51.812 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.4	57.6
103	54.4	43.3	64.9





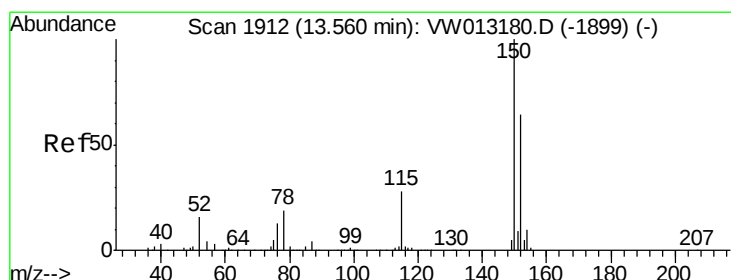
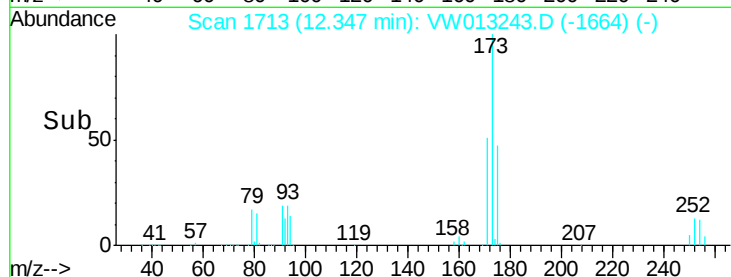
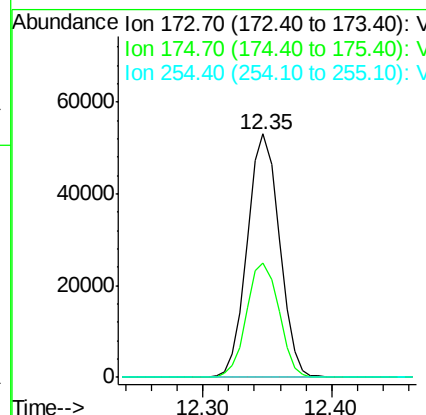
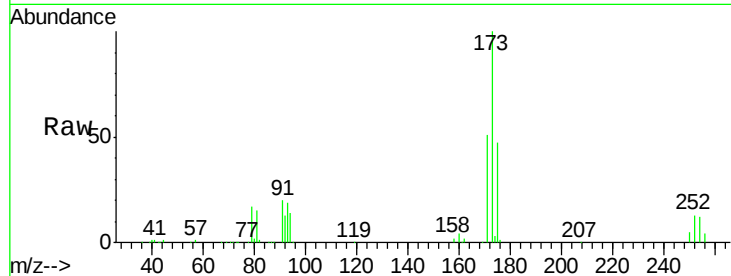
#71
Bromoform
Concen: 54.531 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion:173 Resp: 91335
Ion Ratio Lower Upper
173 100
175 47.5 24.3 73.0
254 0.1 0.1 0.1#

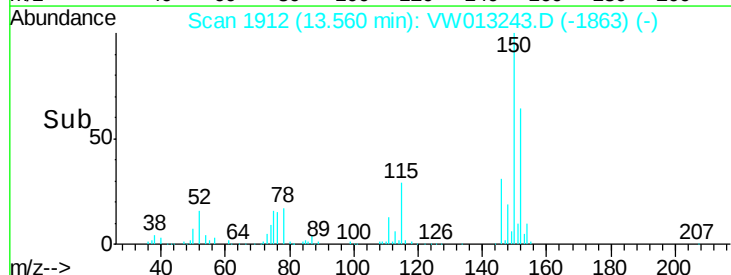
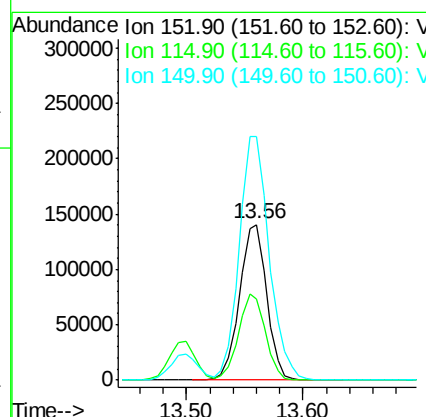
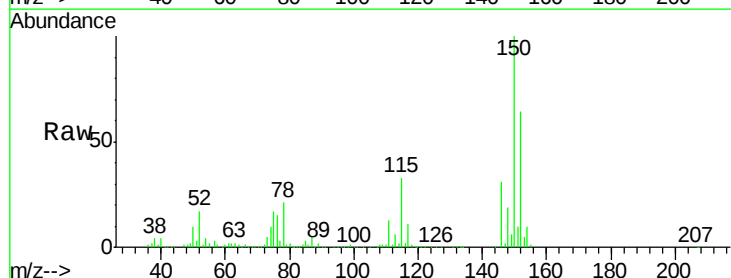
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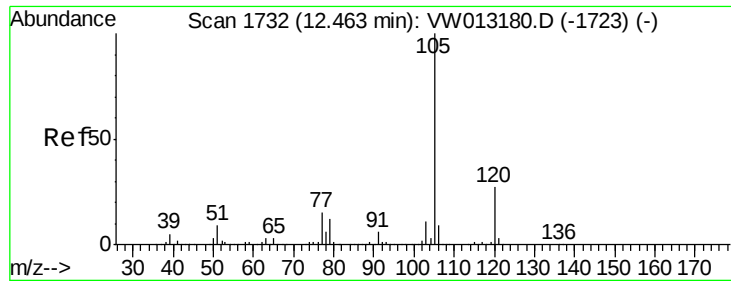
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion:152 Resp: 227480
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 173.8 0.0 349.0





#73

Isopropylbenzene

Concen: 49.320 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 828778

Ion Ratio Lower Upper

105 100

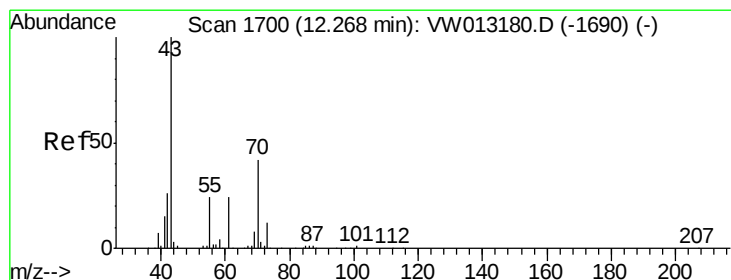
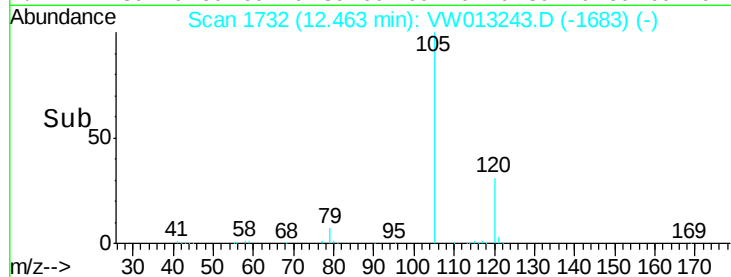
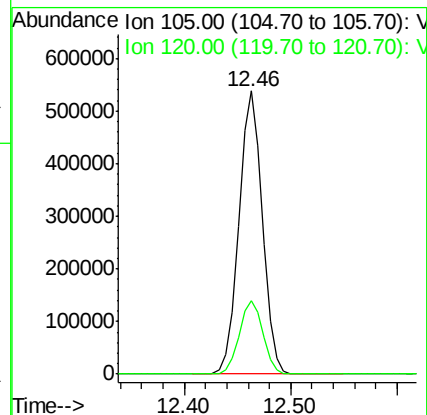
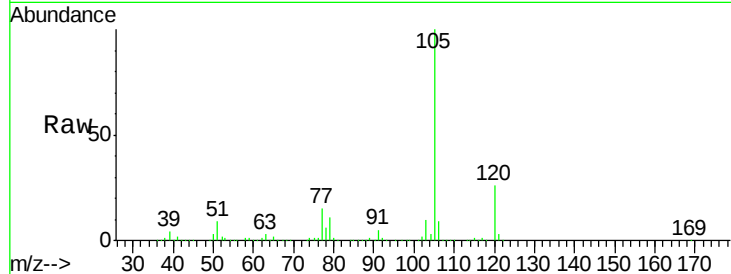
120 26.4 13.4 40.1

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#74

N-ethyl acetate

Concen: 53.048 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion: 43 Resp: 197809

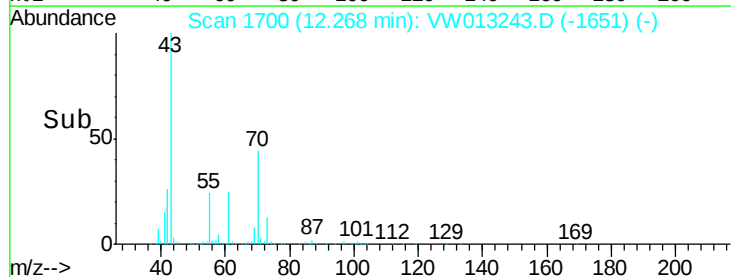
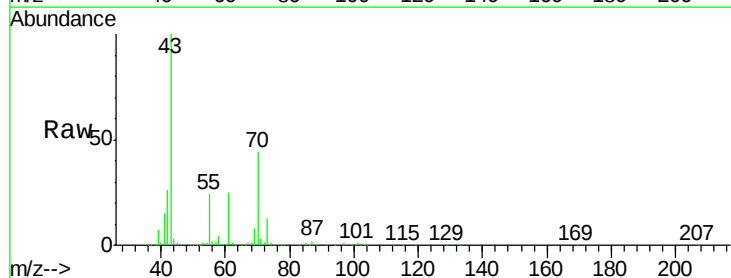
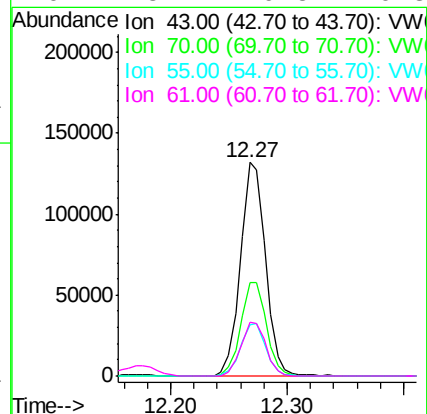
Ion Ratio Lower Upper

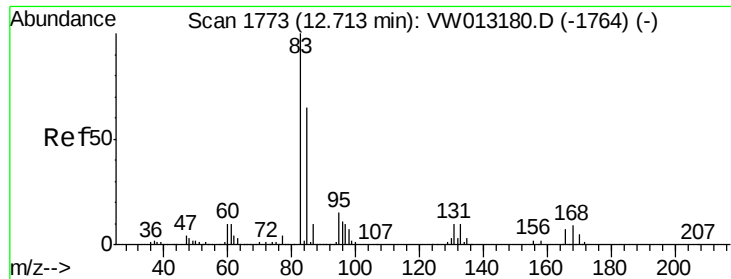
43 100

70 45.3 35.1 52.7

55 25.0 19.9 29.9

61 25.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.511 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

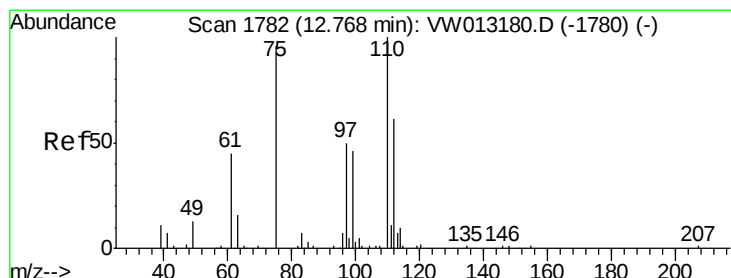
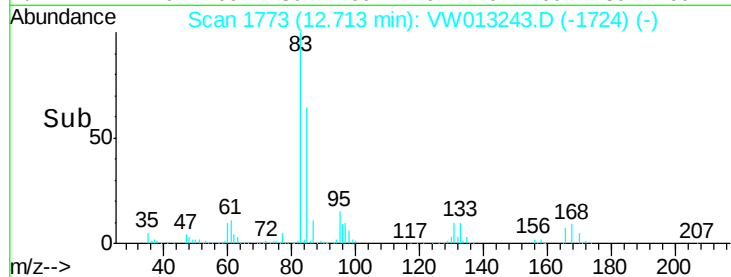
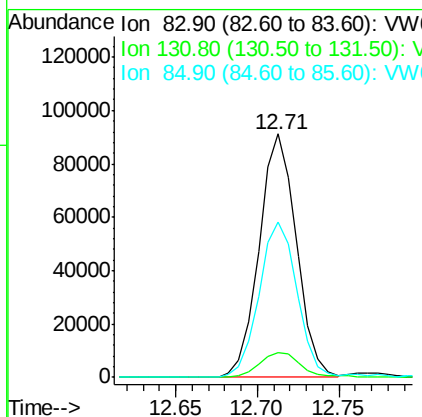
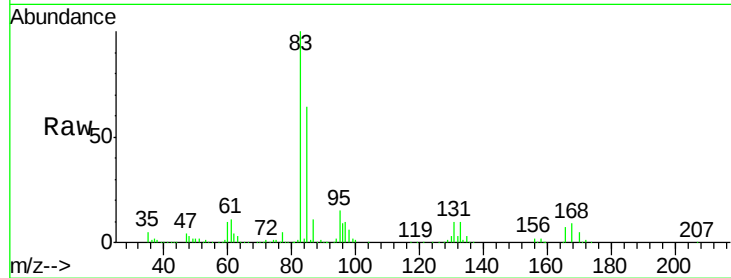
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144765
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	65.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 44.743 ug/l m

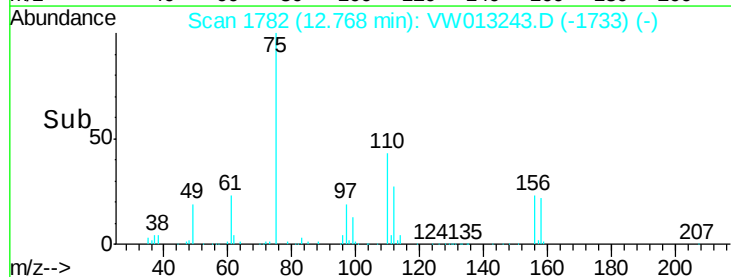
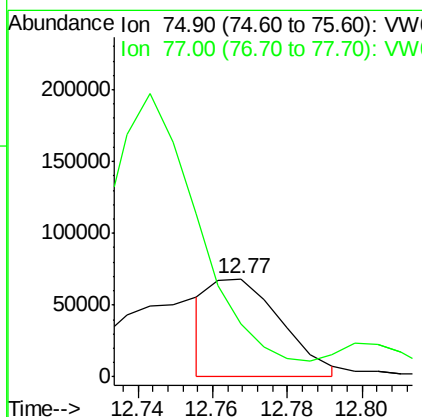
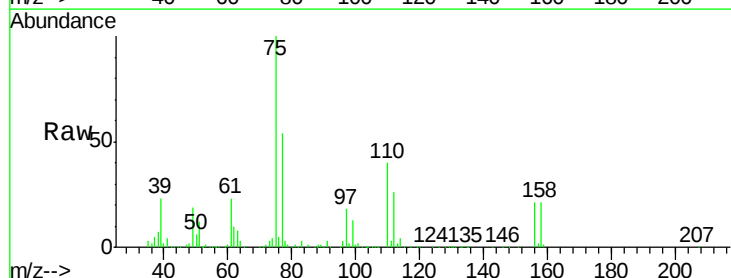
RT: 12.77 min Scan# 1782

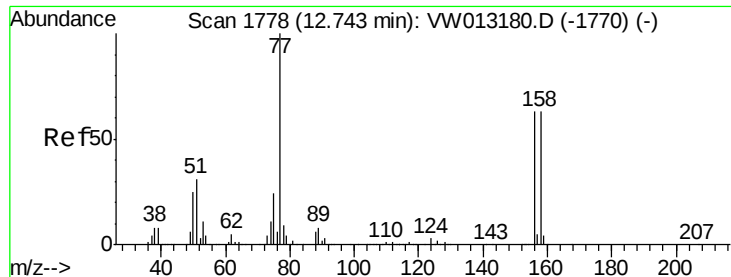
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	75	Resp:	89887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.281 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 200224

Ion Ratio Lower Upper

156 100

77 175.6 85.7 257.1

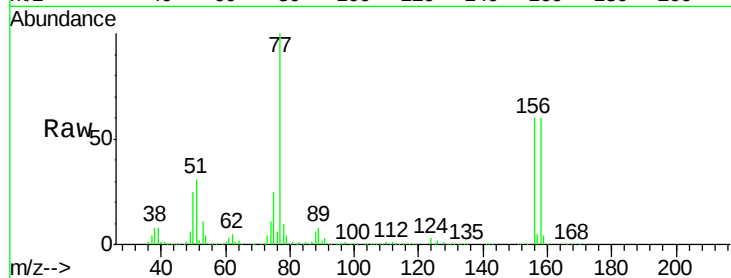
158 98.2 48.1 144.4

Manual Integrations

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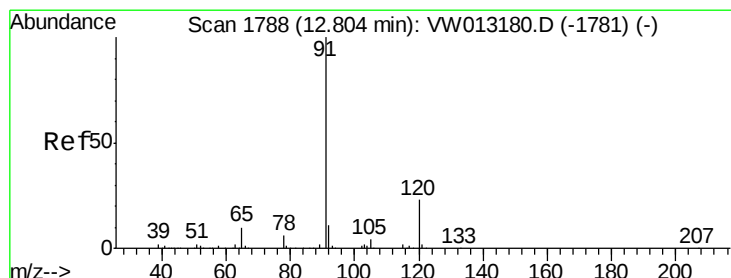
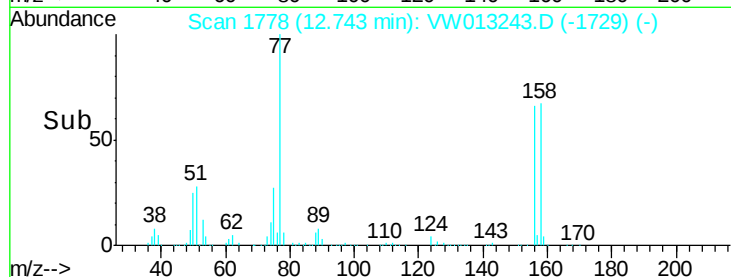
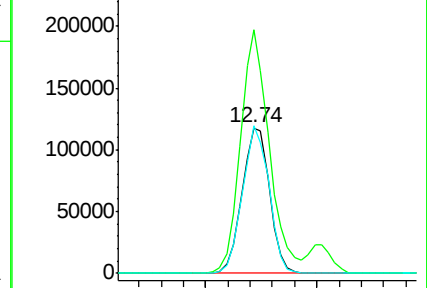
9/25/2019 12:35:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.425 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013243.D

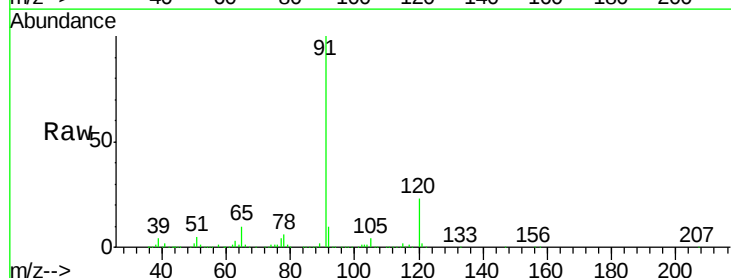
Acq: 23 Sep 2019 20:49

Tgt Ion: 91 Resp: 972176

Ion Ratio Lower Upper

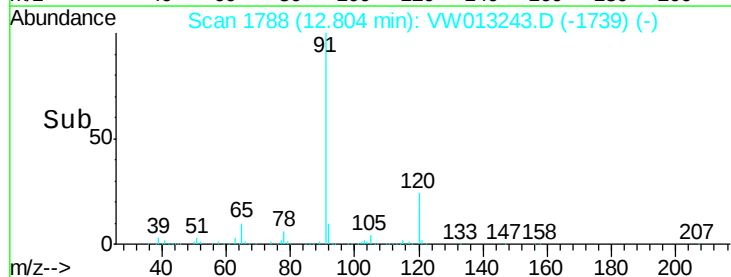
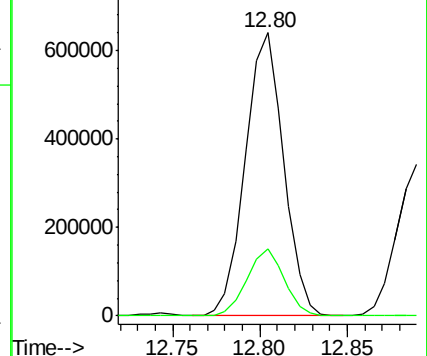
91 100

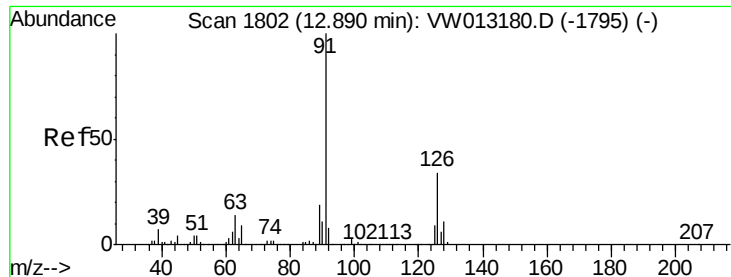
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.667 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 547320

Ion Ratio Lower Upper

91 100

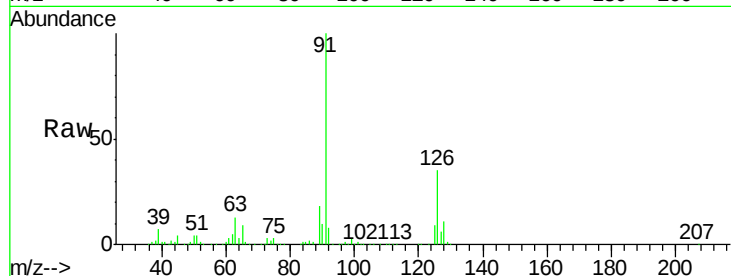
126 34.9 17.2 51.5

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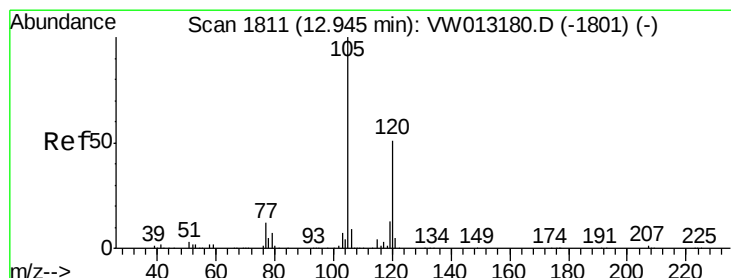
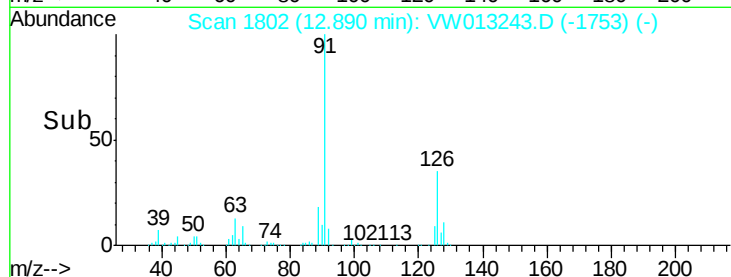
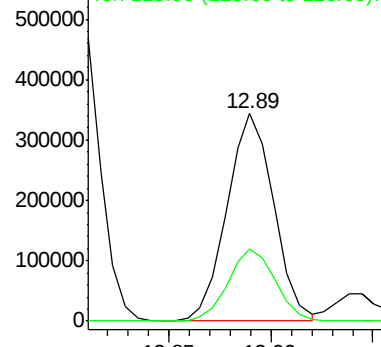
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.915 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013243.D

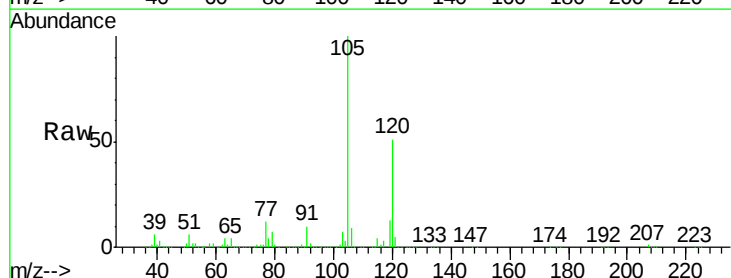
Acq: 23 Sep 2019 20:49

Tgt Ion:105 Resp: 705085

Ion Ratio Lower Upper

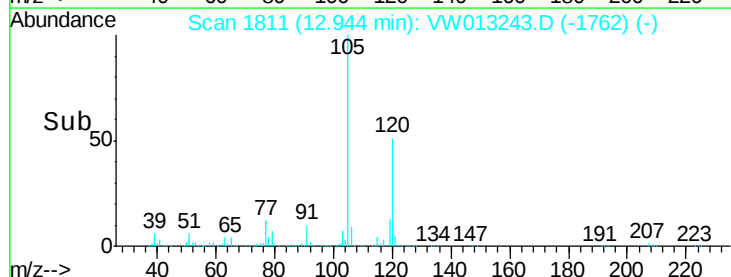
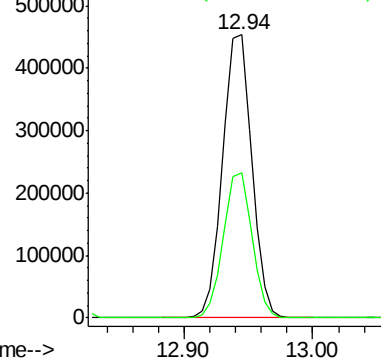
105 100

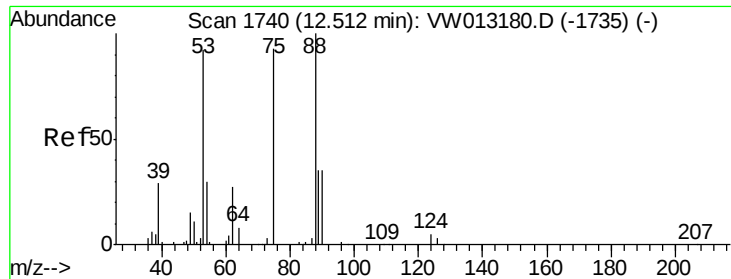
120 50.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.954 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

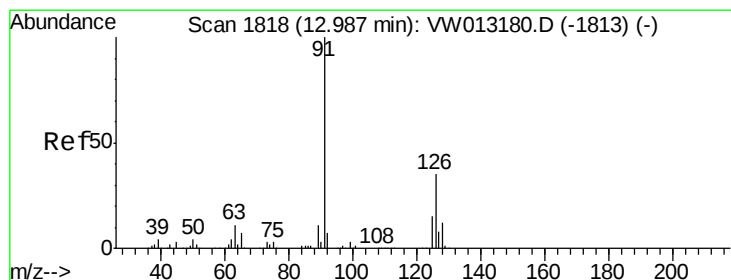
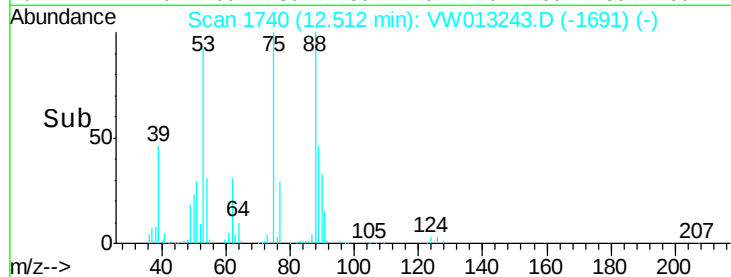
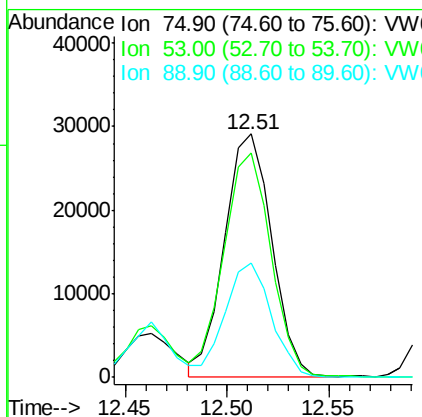
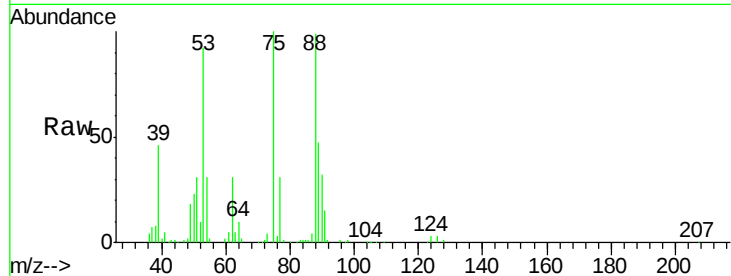
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	46514
Ion	Ratio	Lower	Upper
75	100		
53	93.4	76.6	114.8
89	45.9	33.5	50.3

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#82

4-Chlorotoluene

Concen: 49.213 ug/l

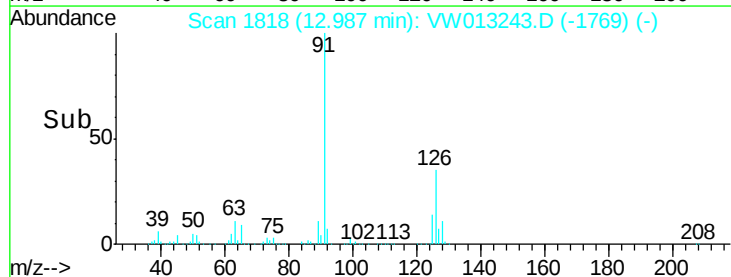
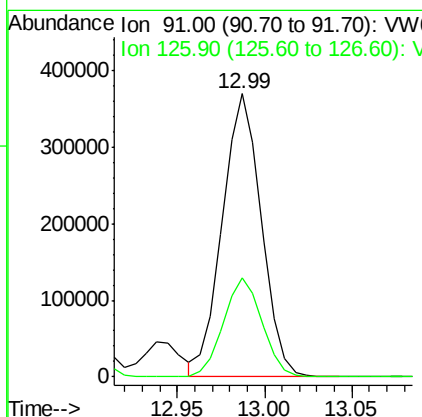
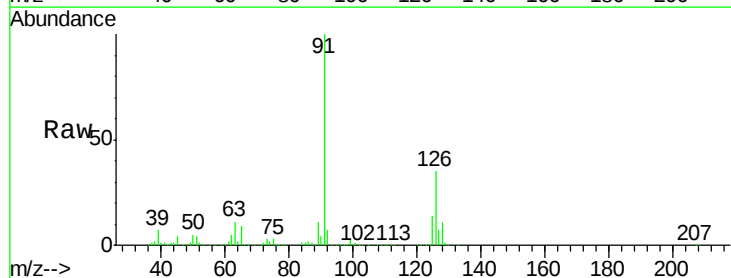
RT: 12.99 min Scan# 1818

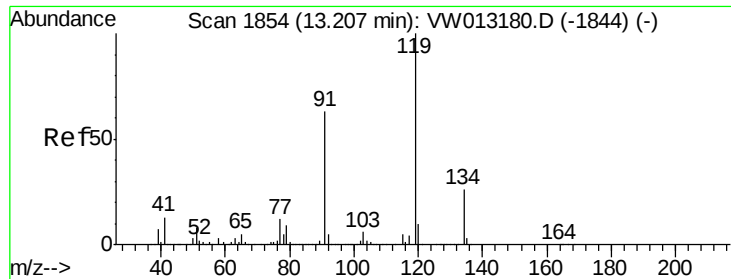
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	91	Resp:	571889
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





#83

tert-Butylbenzene

Concen: 50.147 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

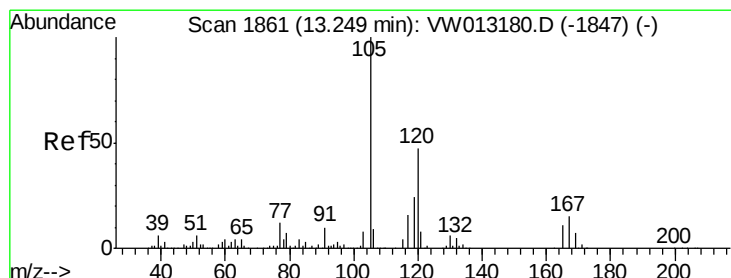
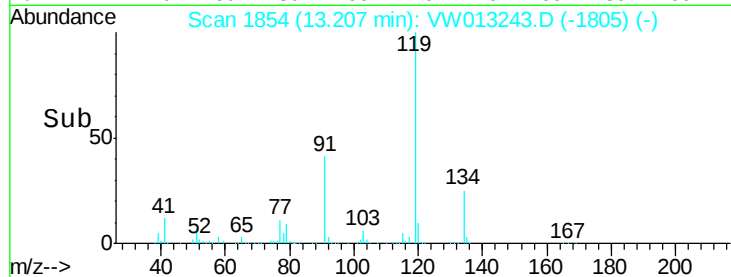
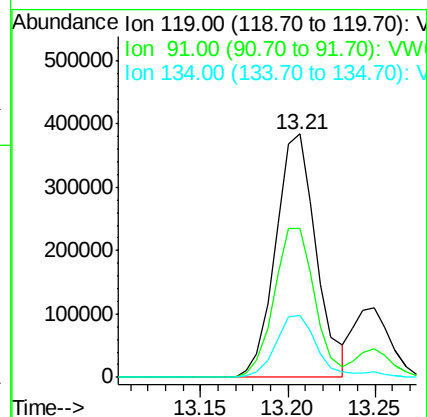
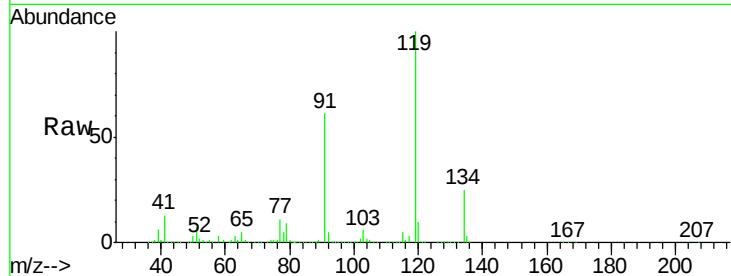
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	621731
Ion Ratio	Lower	Upper	
119	100		
91	61.4	30.7	92.1
134	27.1	12.6	37.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.518 ug/l

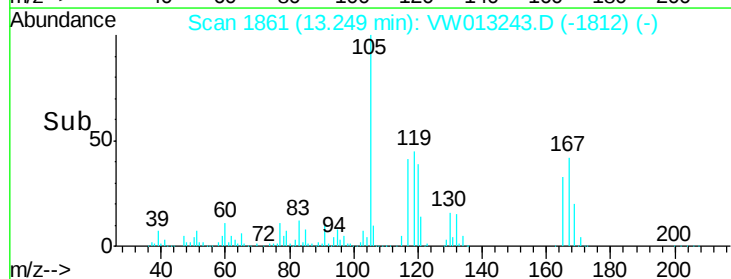
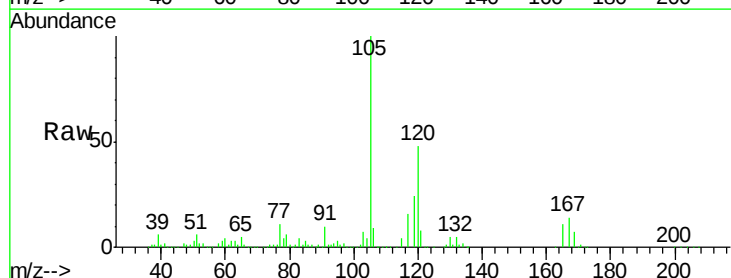
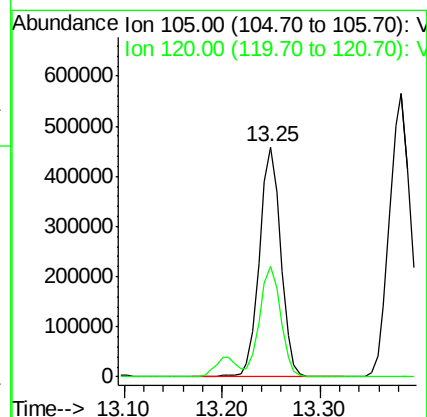
RT: 13.25 min Scan# 1861

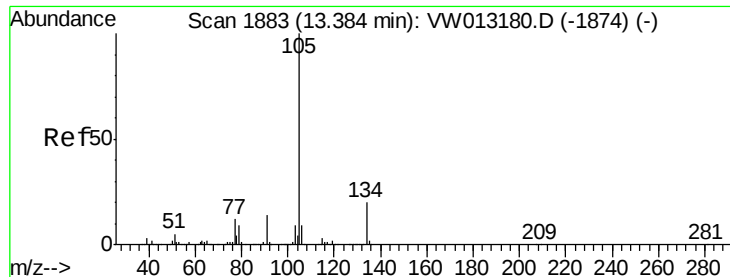
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	105	Resp:	696031
Ion Ratio	Lower	Upper	
105	100		
120	47.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.588 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 847625

Ion Ratio Lower Upper

105 100

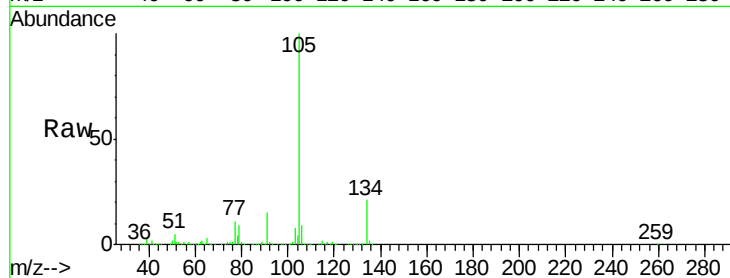
134 20.8 10.3 30.8

Manual Integrations

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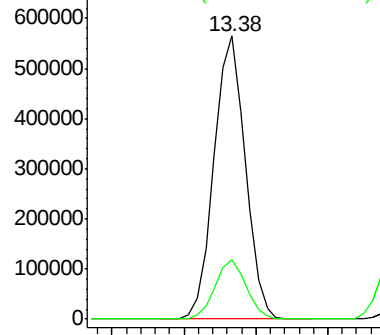
MMDadoda

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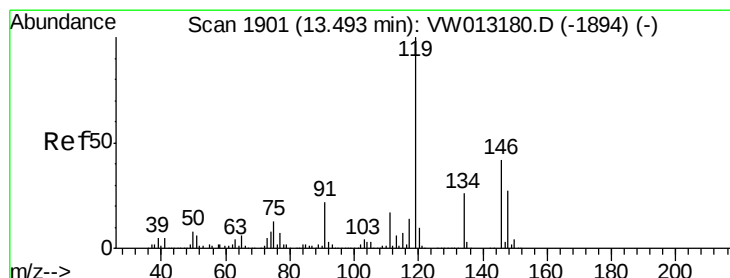
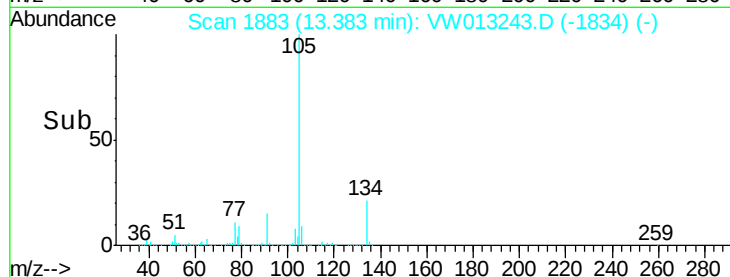


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 49.649 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

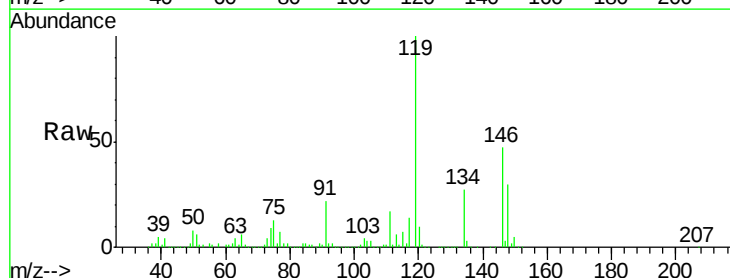
Tgt Ion:119 Resp: 787135

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

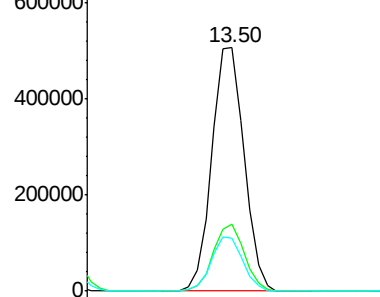
91 21.7 10.8 32.4



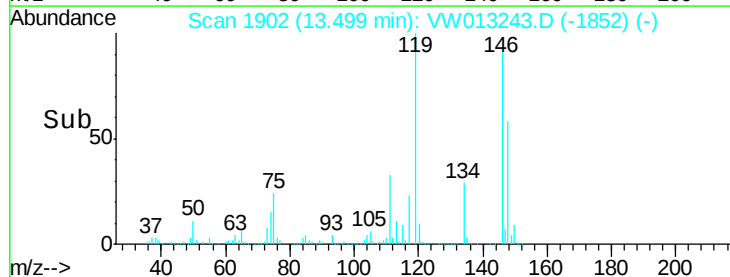
Abundance Ion 119.00 (118.70 to 119.70): V

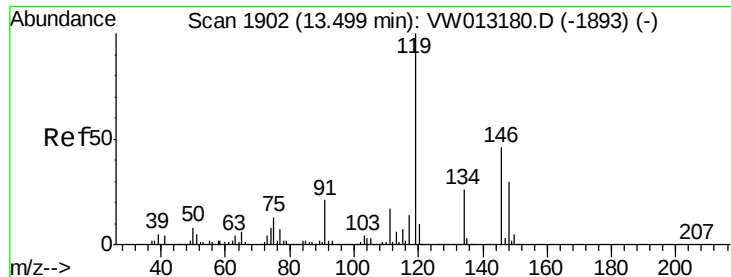
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.40 13.45 13.50 13.55





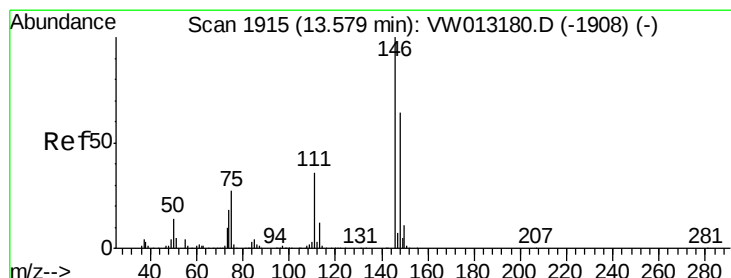
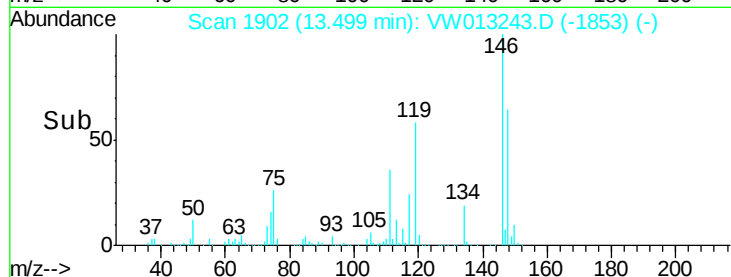
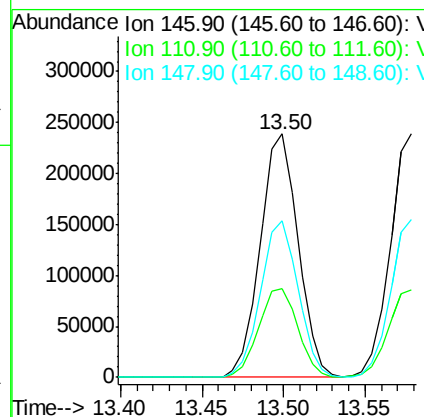
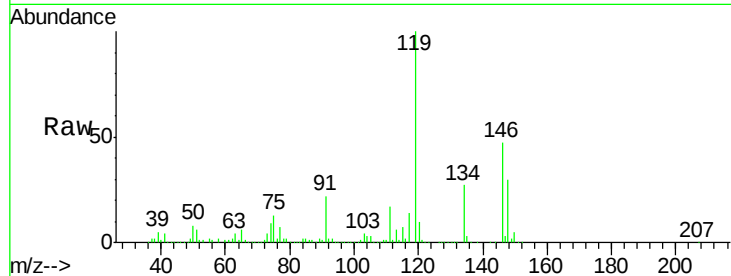
#87
 1,3-Dichlorobenzene
 Concen: 50.203 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	63.9	31.9	95.5

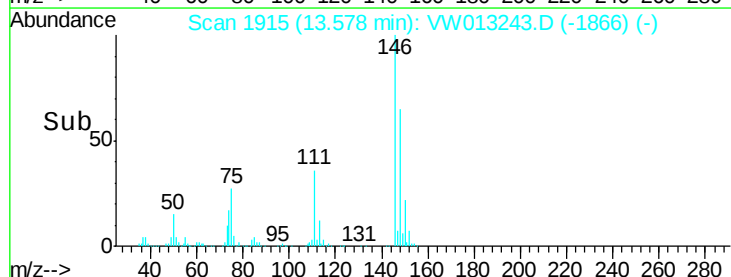
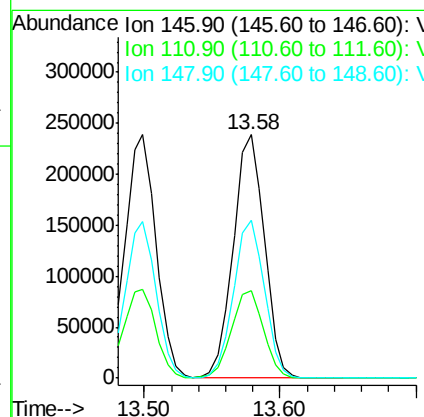
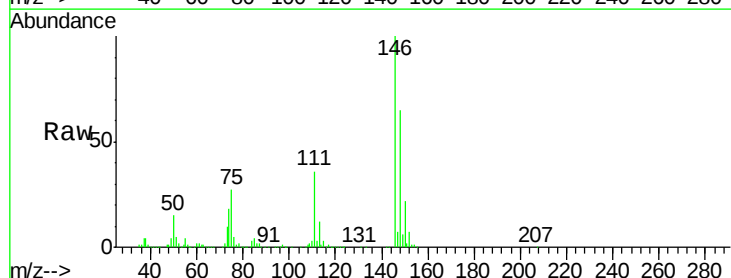
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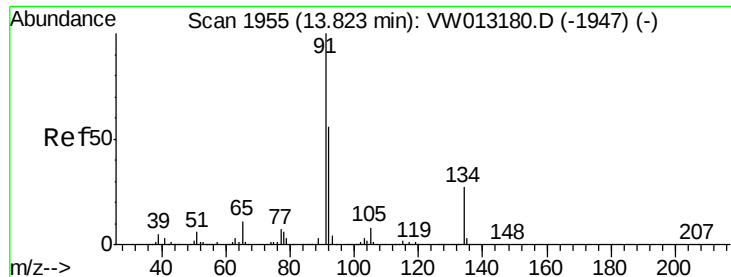
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#88
 1,4-Dichlorobenzene
 Concen: 50.636 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.0
148	64.5	32.1	96.3





#89

n-Butylbenzene

Concen: 49.357 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Instrument :

MSVOA_W

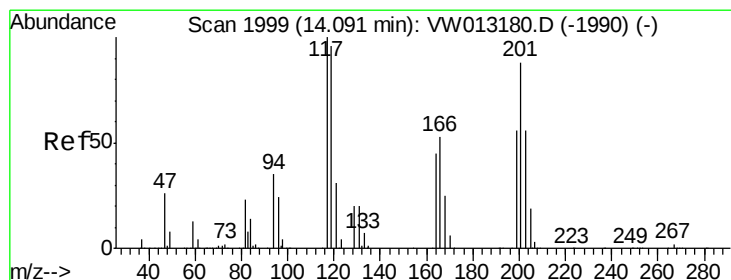
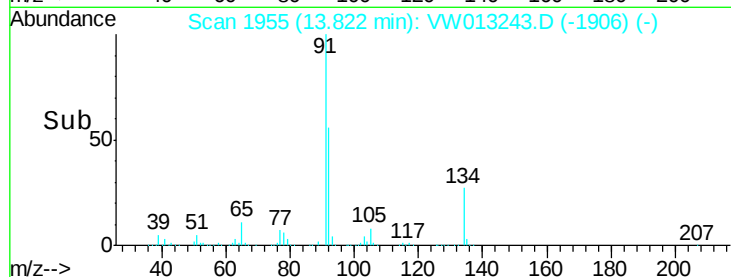
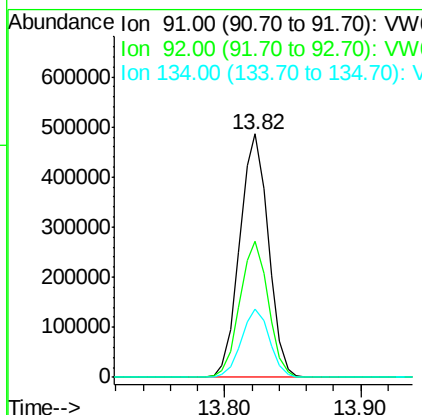
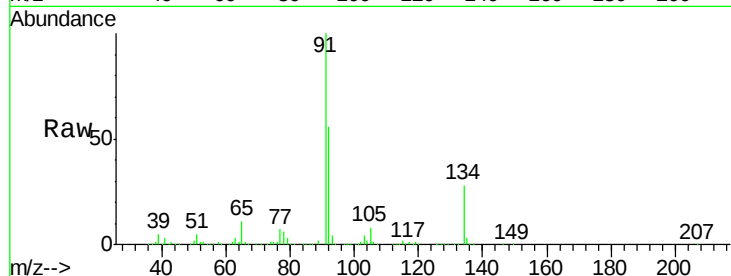
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	714513
Ion Ratio	Lower	Upper	
91	100		
92	55.5	27.6	82.8
134	27.7	13.7	41.1

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#90

Hexachloroethane

Concen: 51.120 ug/l

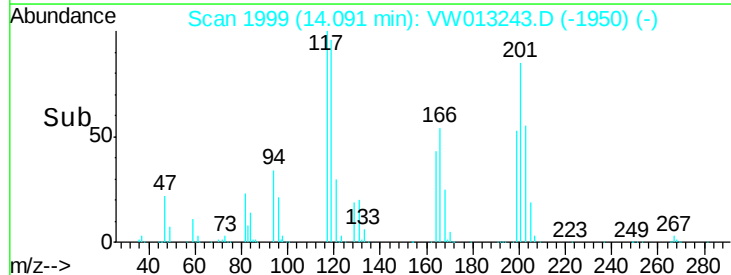
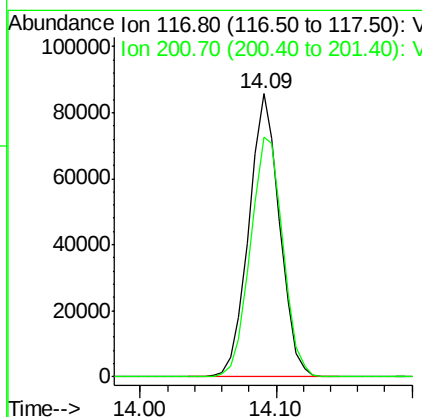
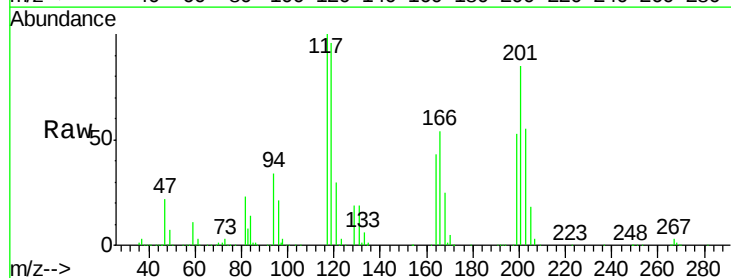
RT: 14.09 min Scan# 1999

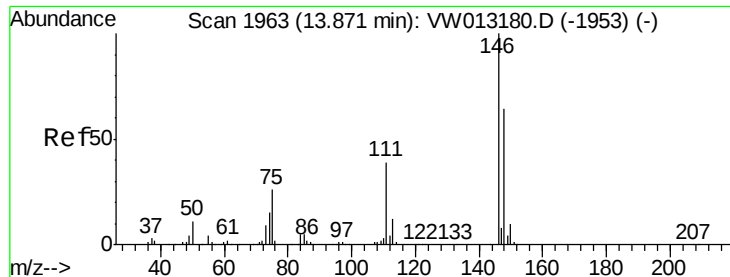
Delta R.T. -0.00 min

Lab File: VW013243.D

Acq: 23 Sep 2019 20:49

Tgt Ion:	117	Resp:	136150
Ion Ratio	Lower	Upper	
117	100		
201	89.3	44.5	133.5





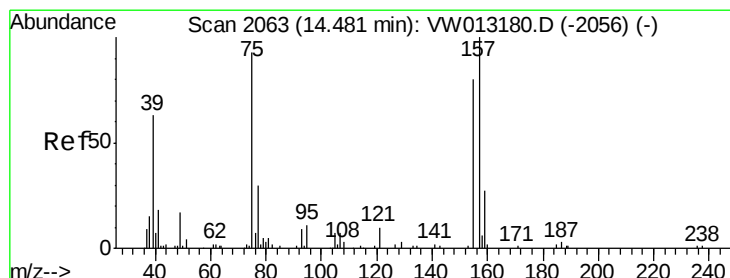
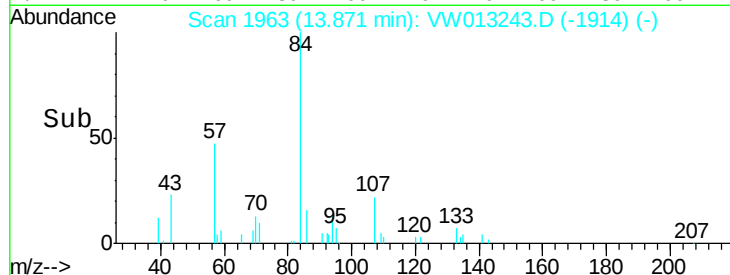
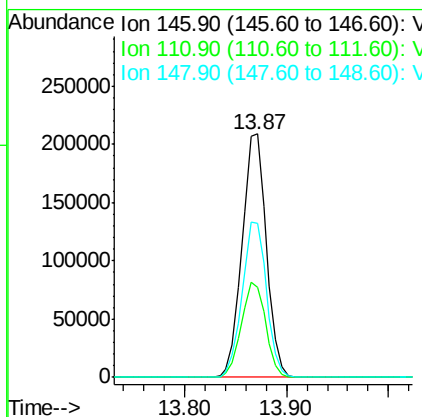
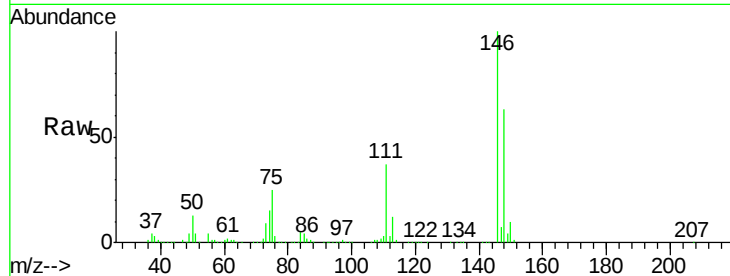
#91
 1,2-Dichlorobenzene
 Concen: 52.038 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.3
148	64.1	32.0	96.0

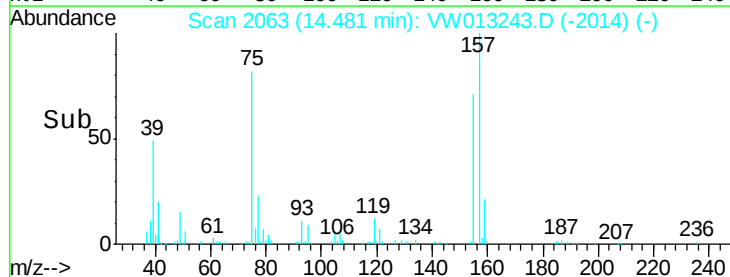
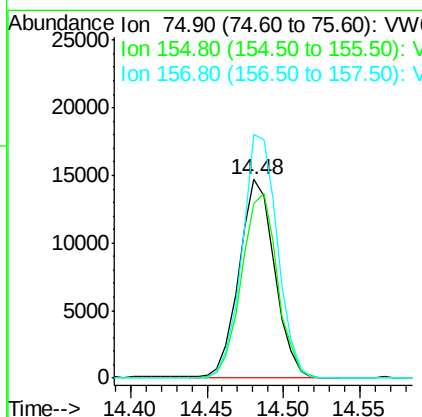
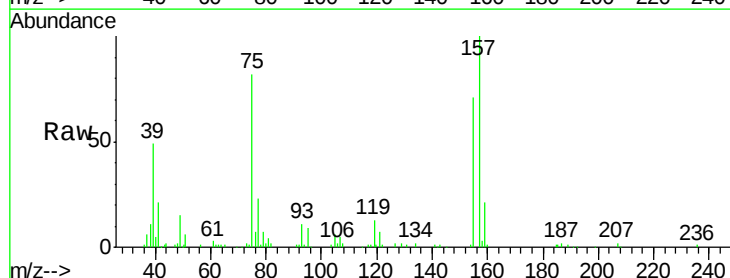
Manual Integrations
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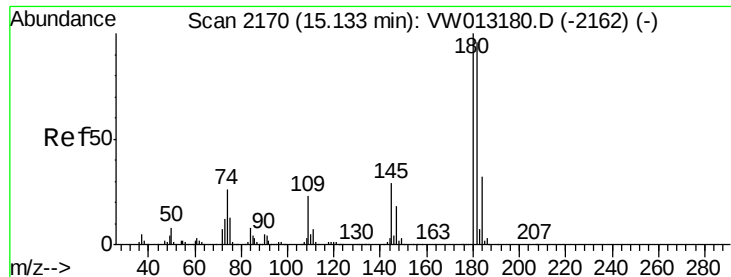
MMDadoda
 9/25/2019 12:35:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.376 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	46.1	138.3
157	121.0	60.4	181.2





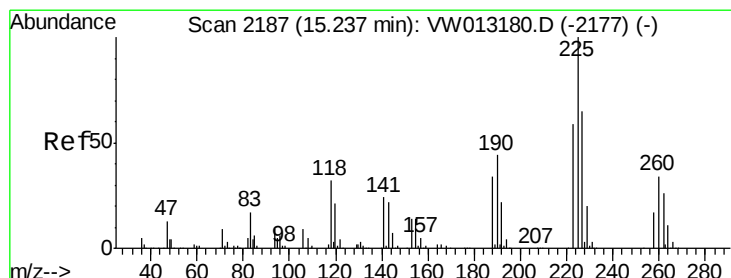
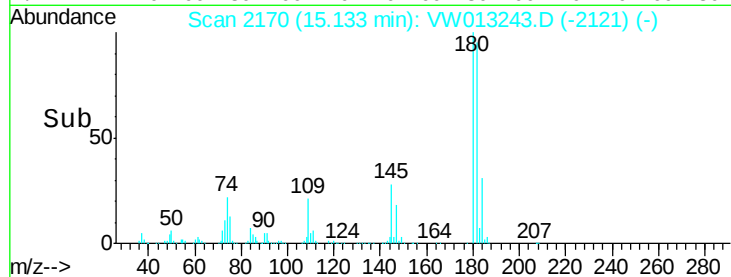
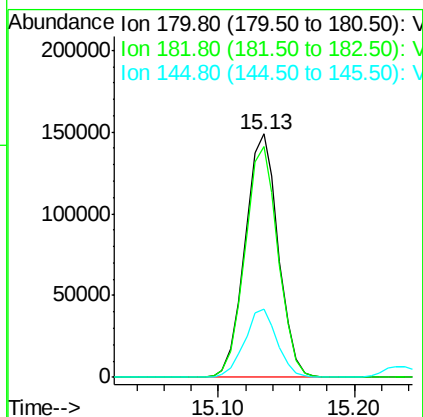
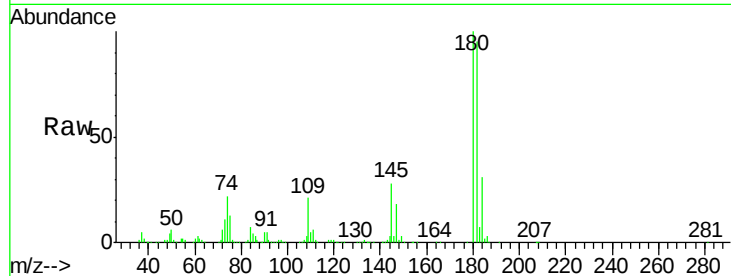
#93
 1,2,4-Trichlorobenzene
 Concen: 53.162 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	252574		
182	95.0	47.3	142.0	
145	27.5	14.2	42.8	

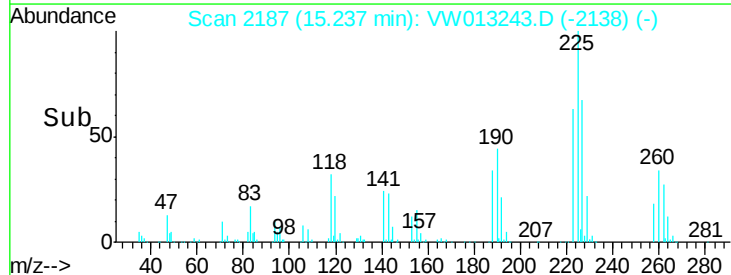
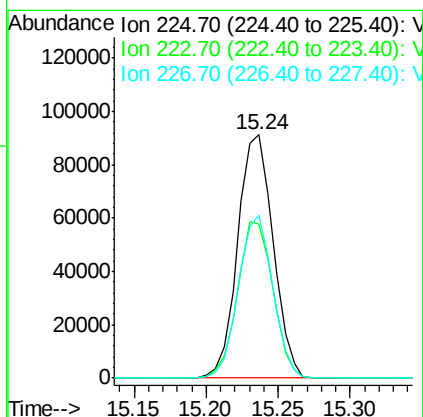
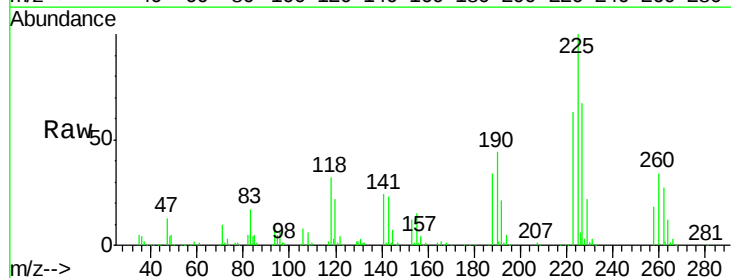
Manual Integrations
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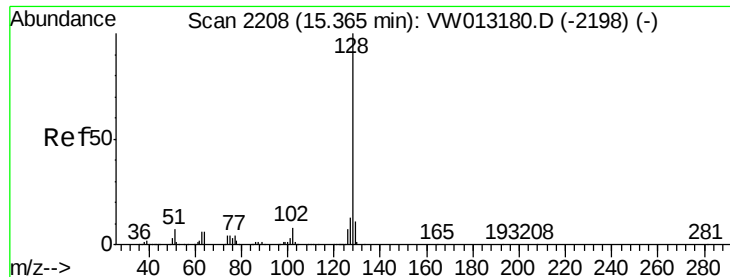
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#94
 Hexachlorobutadiene
 Concen: 47.929 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013243.D
 Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155788		
223	64.5	30.6	91.8	
227	65.0	31.9	95.9	





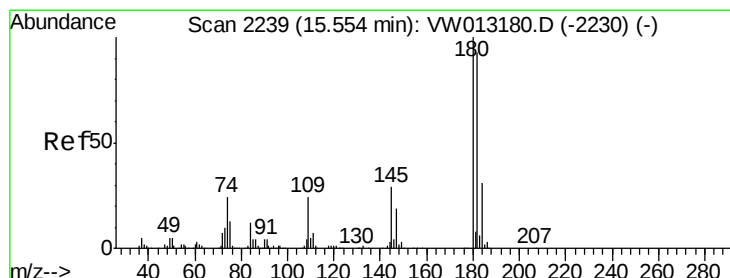
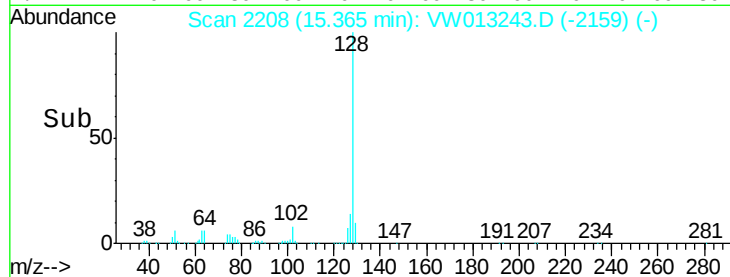
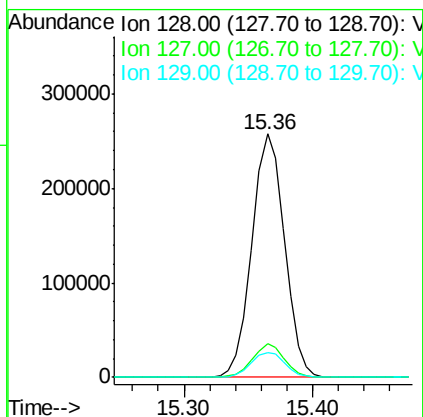
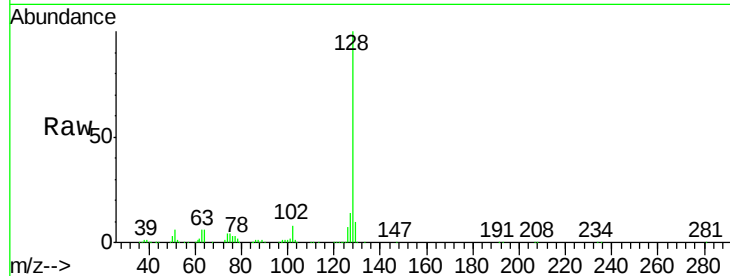
#95
Naphthalene
Concen: 58.014 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.813 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013243.D
Acq: 23 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.7
145	31.3	15.0	45.0

