

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:53 AM

Quant Time: Sep 21 05:11:10 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	302799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194718	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	131361	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	7.88	113	123860	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
50) Toluene-d8	10.32	98	518332	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	180184	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	37516	21.479	ug/l	95
3) Chloromethane	2.21	50	49322	21.967	ug/l	98
4) Vinyl Chloride	2.35	62	59098	20.416	ug/l	98
5) Bromomethane	2.74	94	38289	20.873	ug/l	93
6) Chloroethane	2.90	64	32974	19.326	ug/l	96
7) Trichlorofluoromethane	3.25	101	32304	19.354	ug/l	99
8) Diethyl Ether	3.67	74	28778	20.185	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55451	20.406	ug/l	96
10) Methyl Iodide	4.26	142	76755	18.218	ug/l	100
11) Tert butyl alcohol	5.13	59	41374m	231.837	ug/l	
12) 1,1-Dichloroethene	4.03	96	56537	20.092	ug/l	97
13) Acrolein	3.89	56	18392	129.284	ug/l	96
14) Allyl chloride	4.66	41	84298	18.823	ug/l	99
15) Acrylonitrile	5.37	53	75704	123.025	ug/l	98
16) Acetone	4.11	43	67315	120.787	ug/l	99
17) Carbon Disulfide	4.38	76	156432	19.233	ug/l	100
18) Methyl Acetate	4.67	43	39081	24.947	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	88546	20.531	ug/l	94
20) Methylene Chloride	4.91	84	61371	19.776	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	59113	19.436	ug/l	98
22) Diisopropyl ether	6.31	45	168379	19.772	ug/l	97
23) Vinyl Acetate	6.25	43	543340	107.545	ug/l	97
24) 1,1-Dichloroethane	6.21	63	98834	19.233	ug/l	99
25) 2-Butanone	7.16	43	105797	126.460	ug/l	99
26) 2,2-Dichloropropane	7.16	77	67554	19.969	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	61291	19.096	ug/l	96
28) Bromochloromethane	7.51	49	36567	18.540	ug/l #	99
29) Tetrahydrofuran	7.52	42	66164	128.959	ug/l	99
30) Chloroform	7.67	83	94413	18.766	ug/l	96
31) Cyclohexane	7.95	56	106453	19.873	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78926	19.369	ug/l	100
36) 1,1-Dichloropropene	8.08	75	83423	19.945	ug/l	99
37) Ethyl Acetate	7.25	43	44471	25.016	ug/l	100
38) Carbon Tetrachloride	8.07	117	73477	19.596	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106842	19.876	ug/l	95
40) Benzene	8.32	78	231074	19.806	ug/l	97
41) Methacrylonitrile	7.48	41	26657	25.125	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	64744	20.643	ug/l	99
43) Isopropyl Acetate	8.42	43	78749	23.113	ug/l	97
44) Trichloroethene	9.09	130	64440	19.686	ug/l	94
45) 1,2-Dichloropropane	9.37	63	54899	19.274	ug/l	97
46) Dibromomethane	9.46	93	28577	20.665	ug/l	97
47) Bromodichloromethane	9.64	83	66837	18.994	ug/l	97
48) Methyl methacrylate	9.43	41	37971	23.701	ug/l	98
49) 1,4-Dioxane	9.45	88	12109	583.339	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	215017	125.885	ug/l	99
52) Toluene	10.38	92	148234	19.825	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72657	20.098	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	85809	19.521	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43364	20.979	ug/l	98
56) Ethyl methacrylate	10.65	69	61366	22.685	ug/l	98
57) 1,3-Dichloropropane	10.93	76	75232	20.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	141787	113.220	ug/l	100
59) 2-Hexanone	10.96	43	151987	129.336	ug/l	99
60) Dibromochloromethane	11.13	129	47481	20.230	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42487	21.619	ug/l	99
64) Tetrachloroethene	10.86	164	56094	19.790	ug/l	93
65) Chlorobenzene	11.66	112	152873	19.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52392	19.659	ug/l	100
67) Ethyl Benzene	11.73	91	280175	19.822	ug/l	99
68) m/p-Xylenes	11.84	106	213355	39.613	ug/l	98
69) o-Xylene	12.16	106	98306	19.632	ug/l	100
70) Styrene	12.18	104	169388	19.703	ug/l	98
71) Bromoform	12.35	173	29419	20.895	ug/l #	99
73) Isopropylbenzene	12.46	105	280448	19.497	ug/l	100
74) N-amyl acetate	12.27	43	72776	22.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53467	22.226	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	41427m	24.091	ug/l	
77) Bromobenzene	12.74	156	65530	19.225	ug/l	95
78) n-propylbenzene	12.80	91	329362	19.562	ug/l	100
79) 2-Chlorotoluene	12.89	91	184057	19.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	237434	19.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16857	21.997	ug/l	97
82) 4-Chlorotoluene	12.99	91	193368	19.440	ug/l	100
83) tert-Butylbenzene	13.21	119	207985	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	235228	19.550	ug/l	100
85) sec-Butylbenzene	13.38	105	290834	19.877	ug/l	99
86) p-Isopropyltoluene	13.50	119	267857	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	127087	19.373	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	127304	19.787	ug/l	99
89) n-Butylbenzene	13.82	91	245717	19.829	ug/l	99
90) Hexachloroethane	14.09	117	43242	18.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	113897	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9299	25.272	ug/l	96

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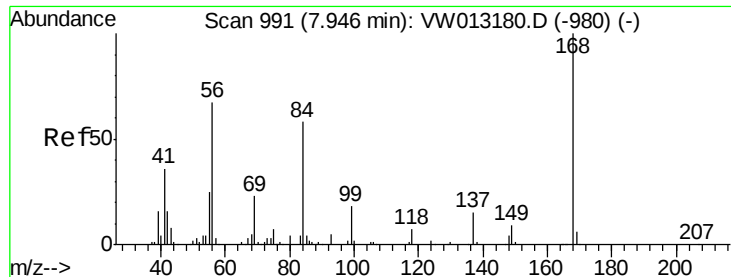
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81608	20.067	ug/l	99
94) Hexachlorobutadiene	15.24	225	54262	19.503	ug/l	98
95) Naphthalene	15.36	128	150976	22.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71730	20.413	ug/l	99

(#) = 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: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion:168 Resp: 302799

Ion Ratio Lower Upper

168 100

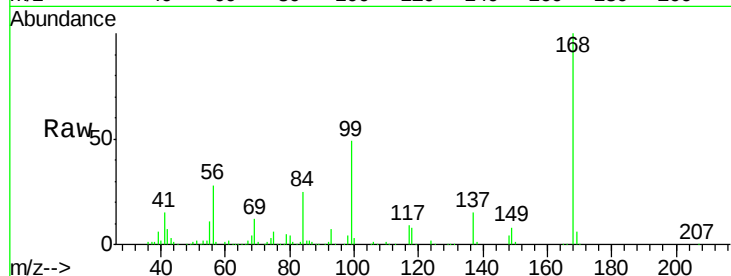
99 48.8 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

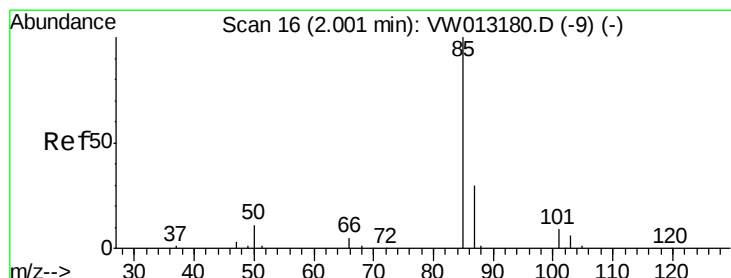
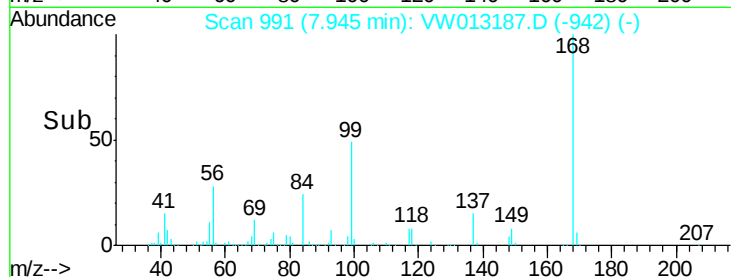
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.479 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013187.D

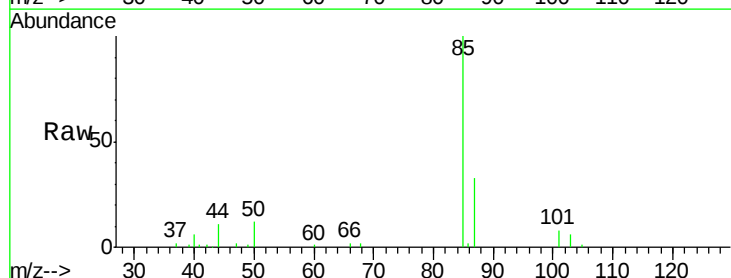
Acq: 20 Sep 2019 17:33

Tgt Ion: 85 Resp: 37516

Ion Ratio Lower Upper

85 100

87 33.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

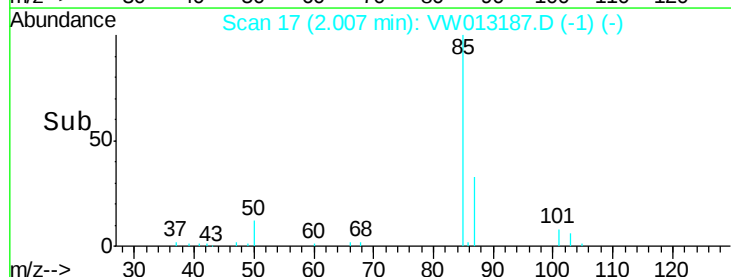
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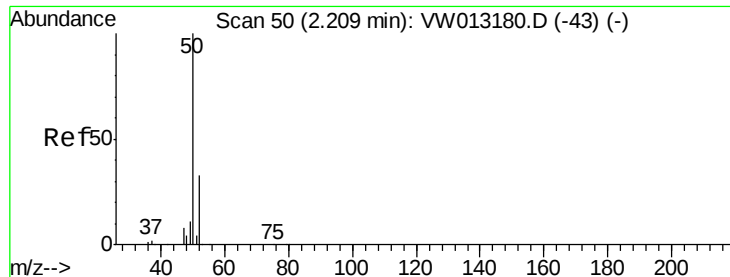
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.967 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 50 Resp: 49322

Ion Ratio Lower Upper

50 100

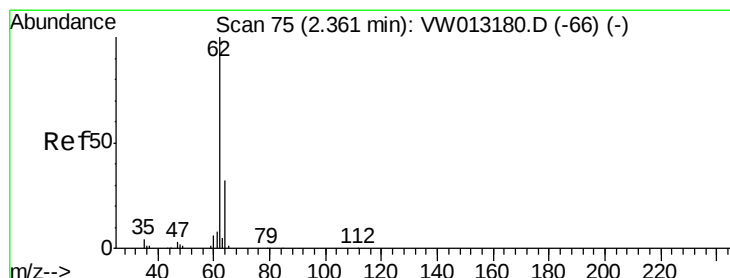
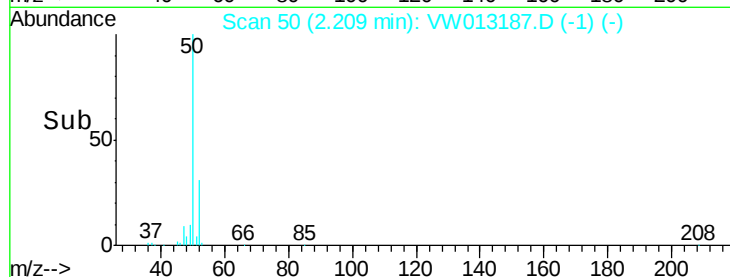
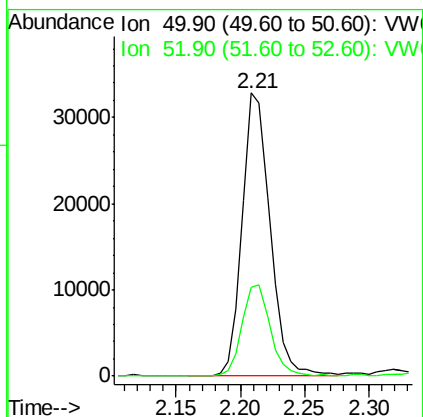
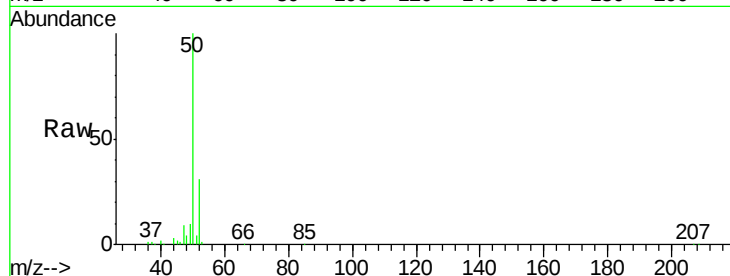
52 31.3 26.1 39.1

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#4

Vinyl Chloride

Concen: 20.416 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013187.D

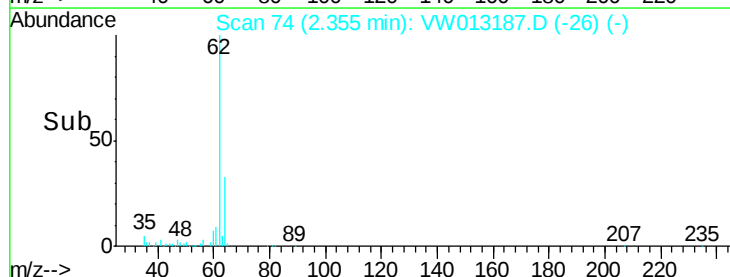
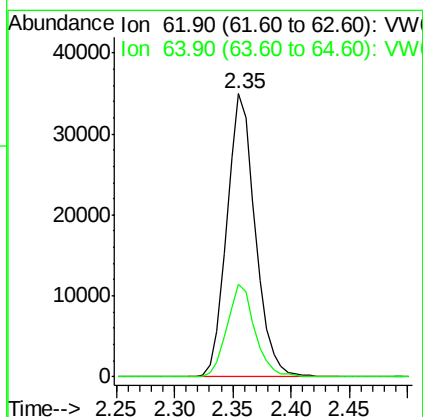
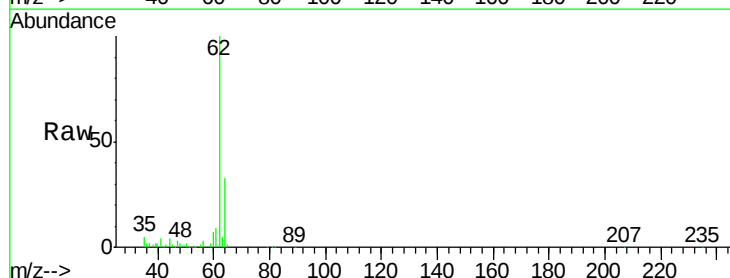
Acq: 20 Sep 2019 17:33

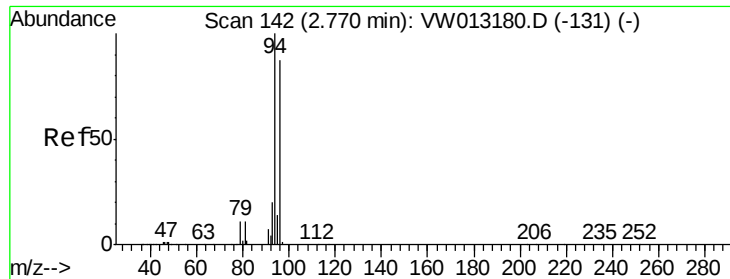
Tgt Ion: 62 Resp: 59098

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 20.873 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

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Tot Ion: 94 Resp: 38289

Ion Ratio Lower Upper

94 100

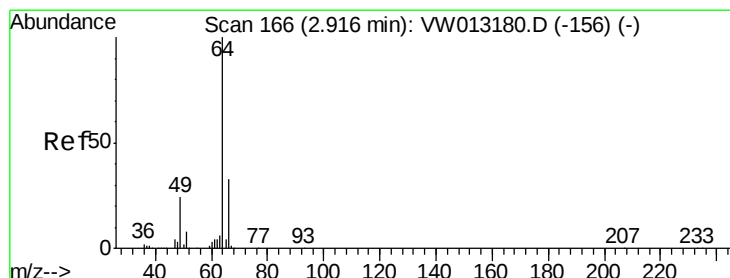
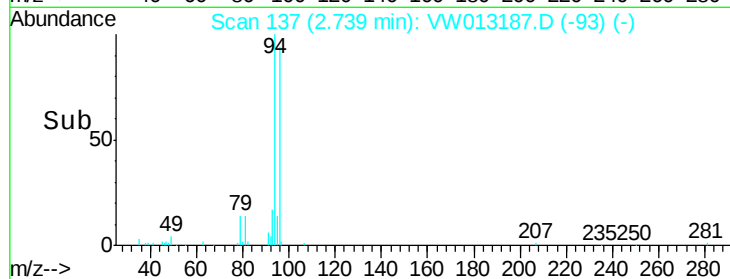
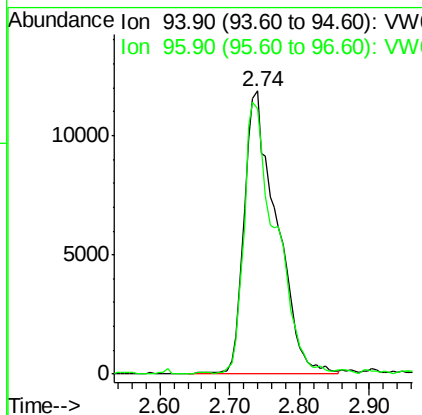
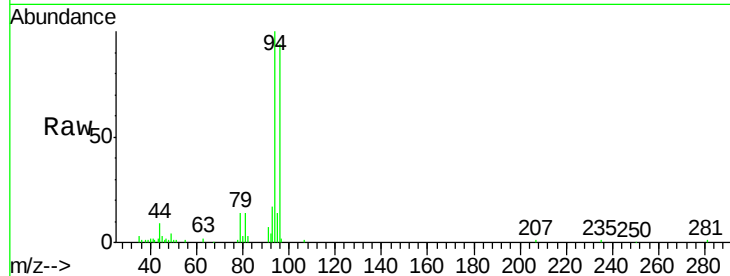
96 93.6 69.7 104.5

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#6

Chloroethane

Concen: 19.326 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013187.D

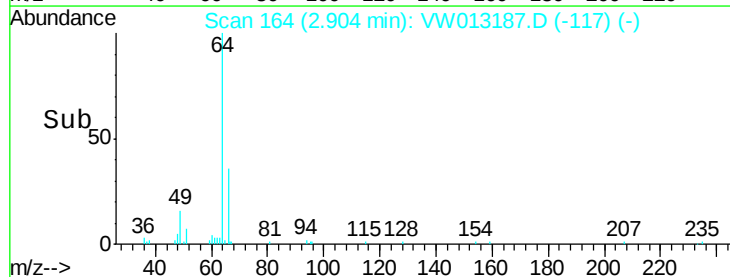
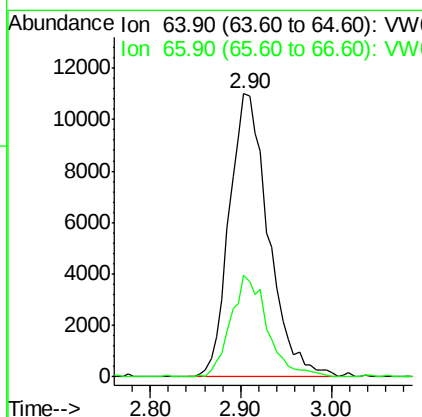
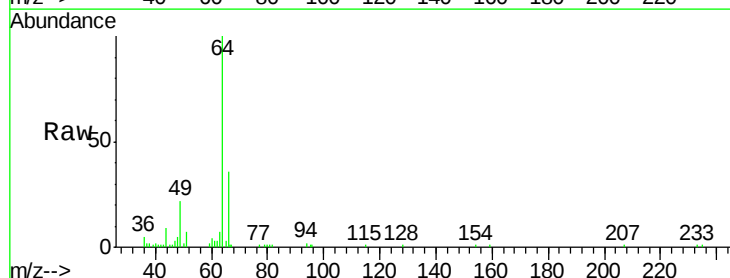
Acq: 20 Sep 2019 17:33

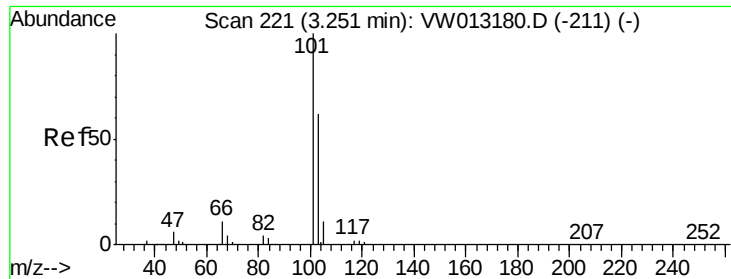
Tgt Ion: 64 Resp: 32974

Ion Ratio Lower Upper

64 100

66 35.7 26.6 39.8





#7

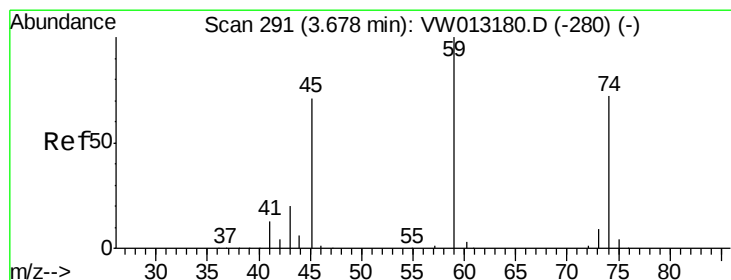
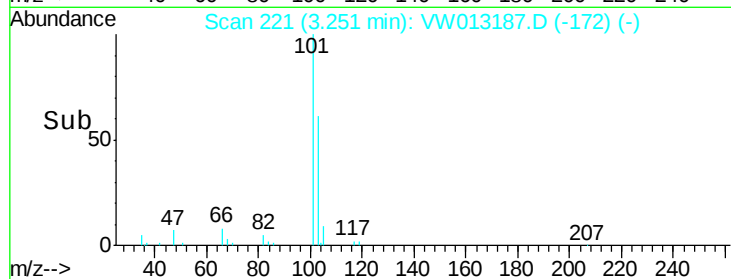
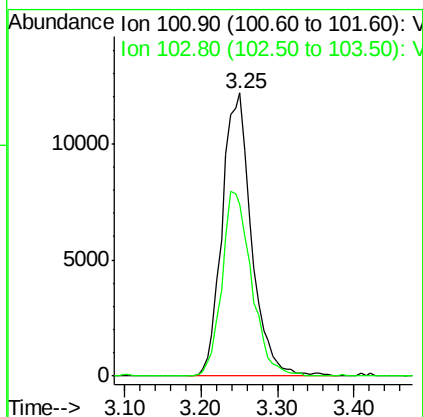
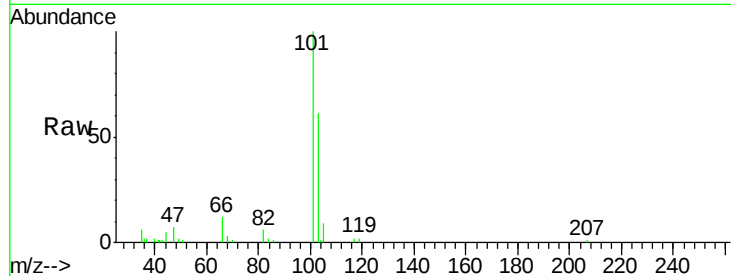
Trichlorofluoromethane
Concen: 19.354 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

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ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	49.7	74.5

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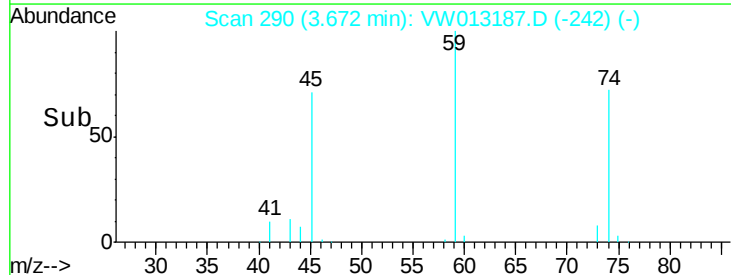
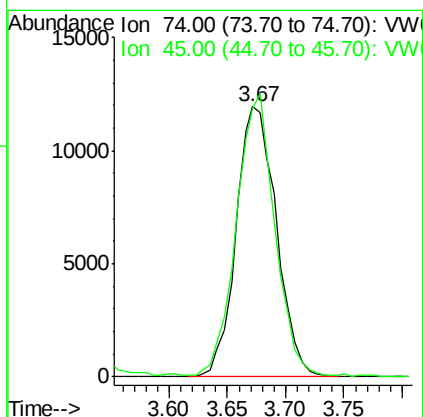
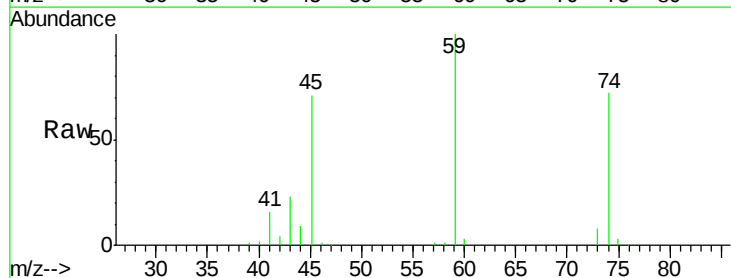
MMDadoda
9/24/2019 5:28:53 AM

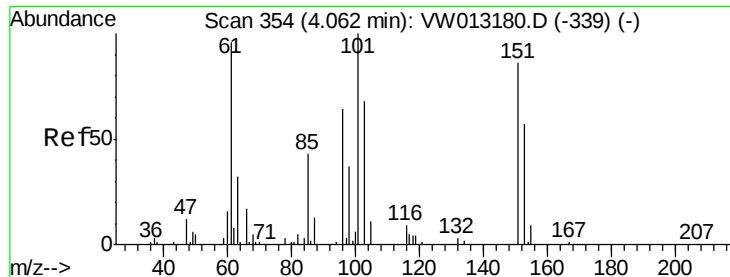


#8

Diethyl Ether
Concen: 20.185 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.406 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013187.D

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Instrument :

MSVOA_W

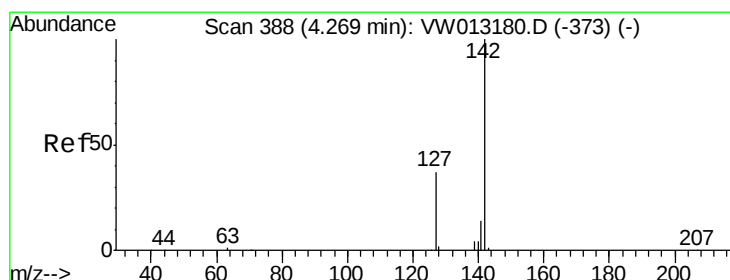
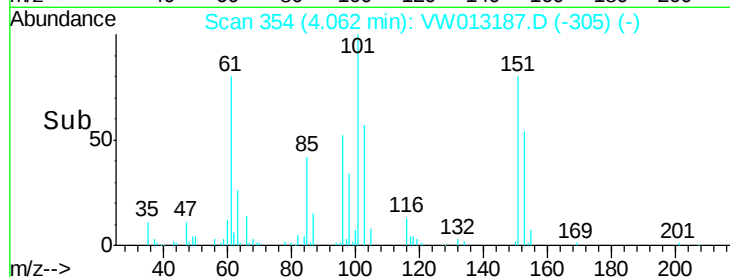
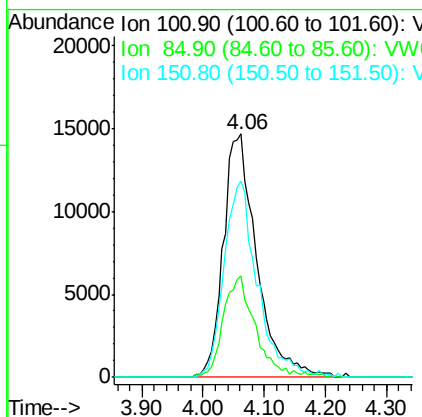
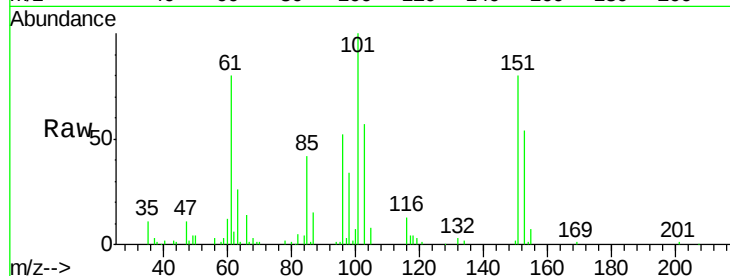
ClientSampleId :

VW0920SBS01

Tot Ion:	101	Resp:	55451
Ion Ratio	Lower	Upper	
101	100		
85	39.6	33.4	50.0
151	80.1	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.218 ug/l

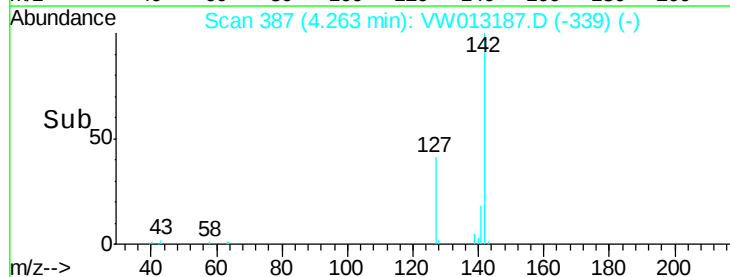
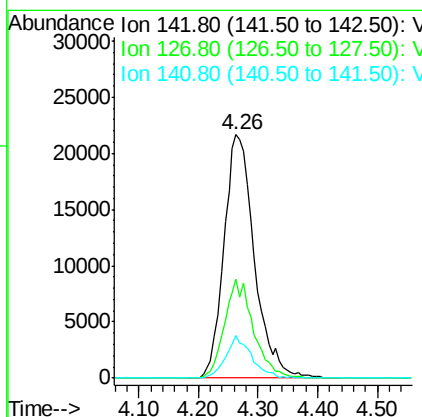
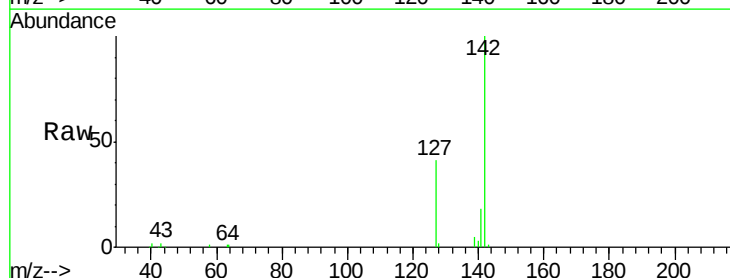
RT: 4.26 min Scan# 387

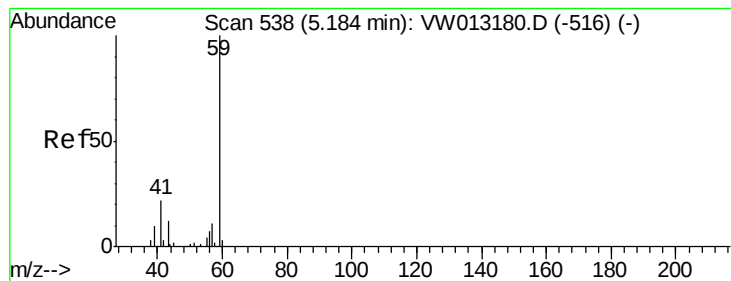
Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion:	142	Resp:	76755
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.9	46.3
141	14.6	11.7	17.5





#11

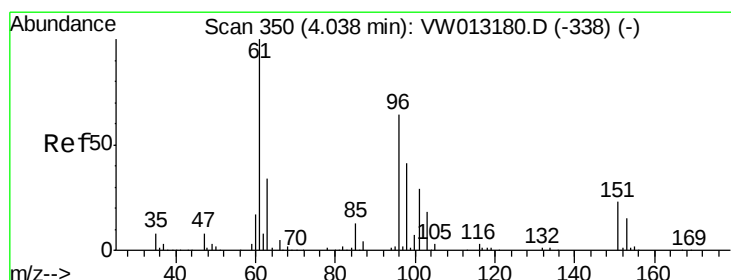
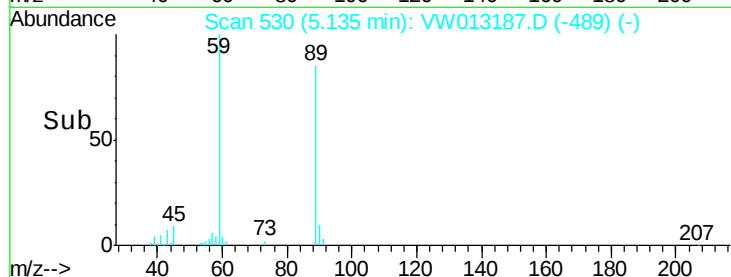
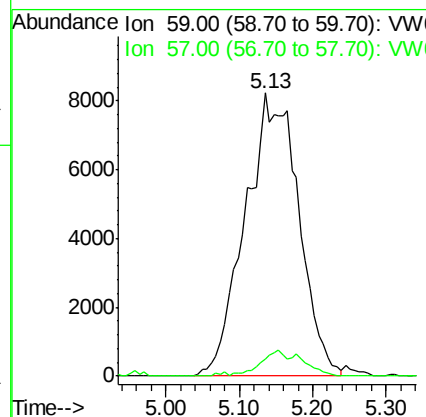
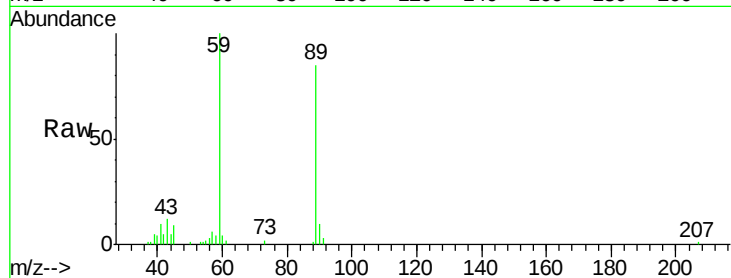
Tert butyl alcohol
Concen: 231.837 ug/l m
RT: 5.13 min Scan# 530
Delta R.T. -0.05 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.2	12.2#

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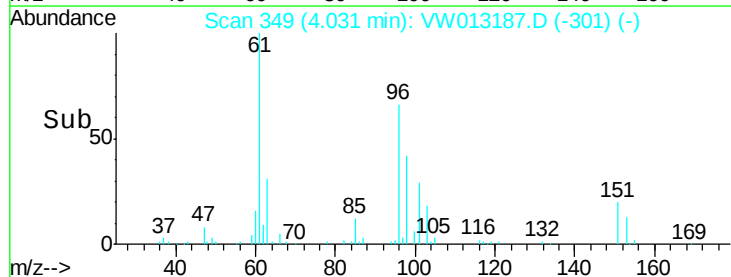
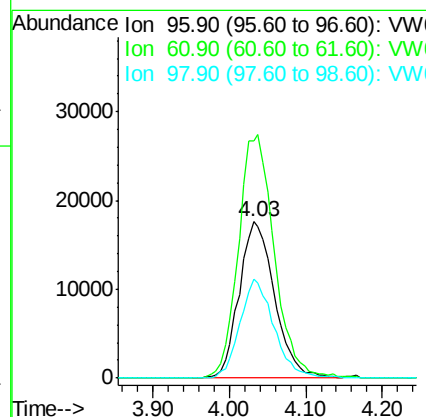
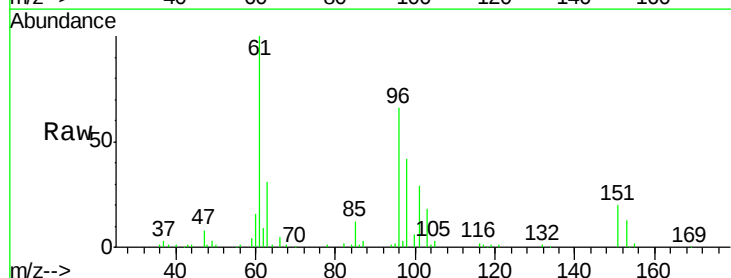
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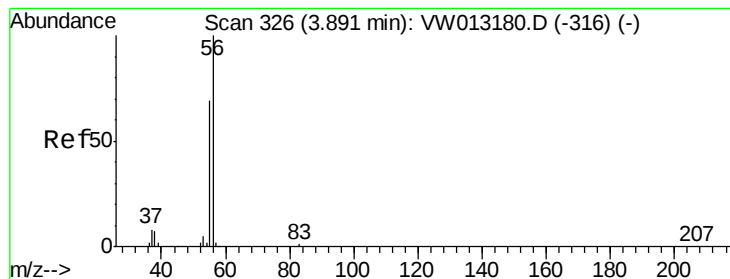


#12

1,1-Dichloroethene
Concen: 20.092 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	125.1	187.7
98	63.1	50.8	76.2





#13

Acrolein

Concen: 129.284 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 56 Resp: 18392

Ion Ratio Lower Upper

56 100

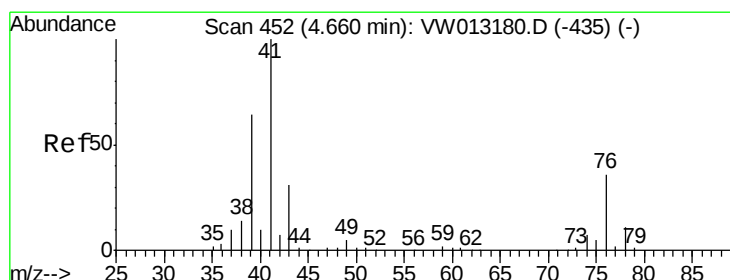
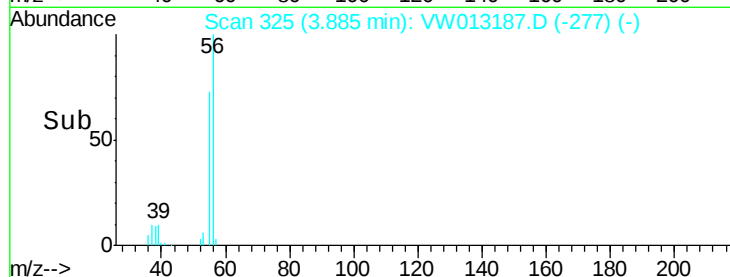
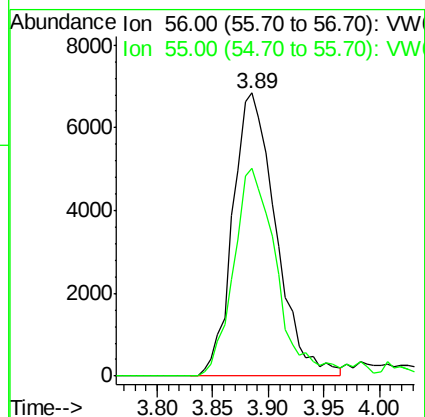
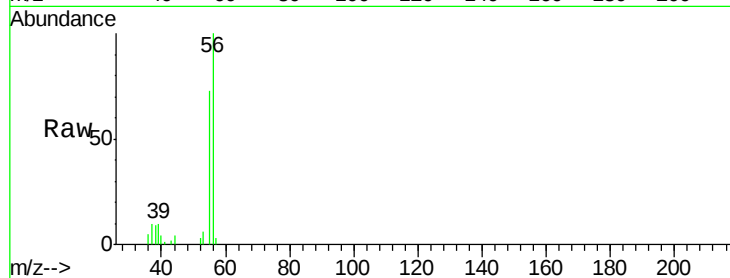
55 72.8 55.4 83.0

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#14

Allyl chloride

Concen: 18.823 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

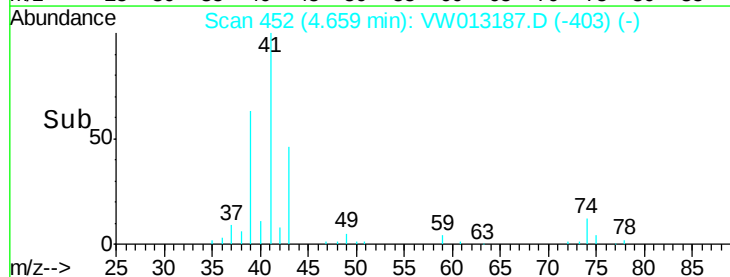
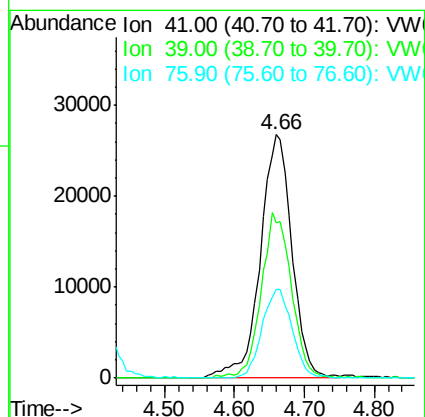
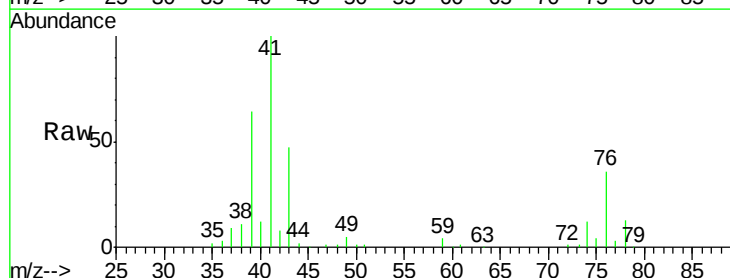
Tgt Ion: 41 Resp: 84298

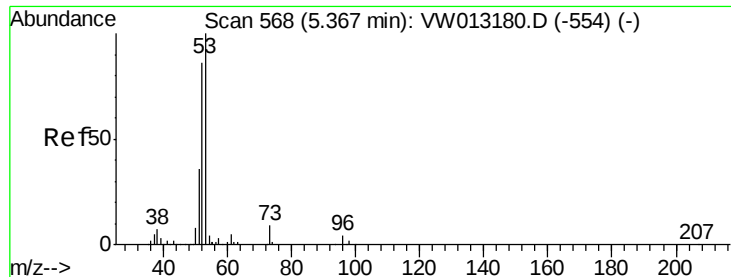
Ion Ratio Lower Upper

41 100

39 64.4 51.0 76.4

76 34.6 28.4 42.6





#15

Acrylonitrile

Concen: 123.025 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

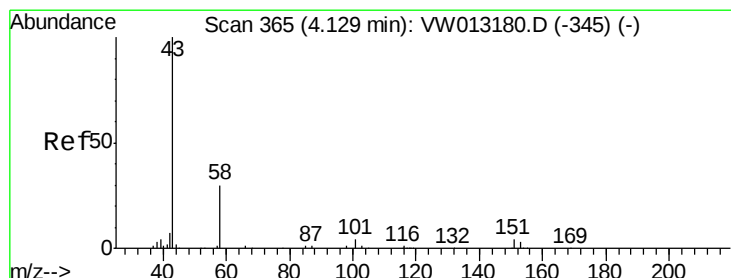
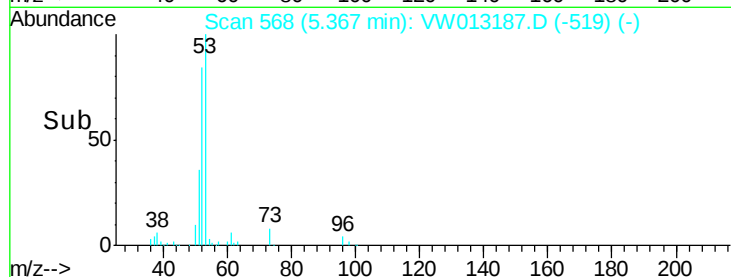
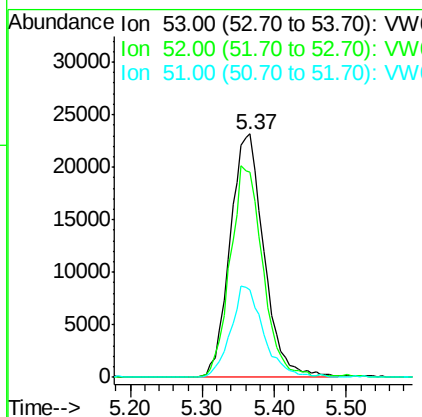
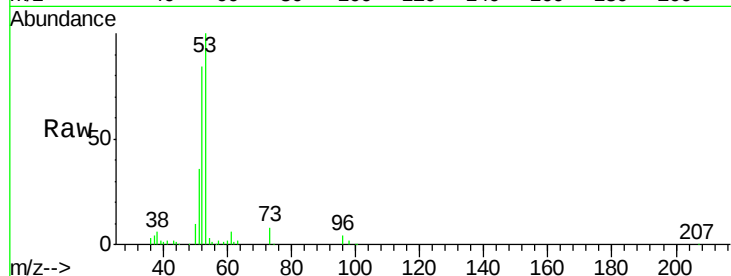
ClientSampleId :

VW0920SBS01

Tot Ion:	53	Resp:	75704
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	36.1	29.0	43.4

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#16

Acetone

Concen: 120.787 ug/l

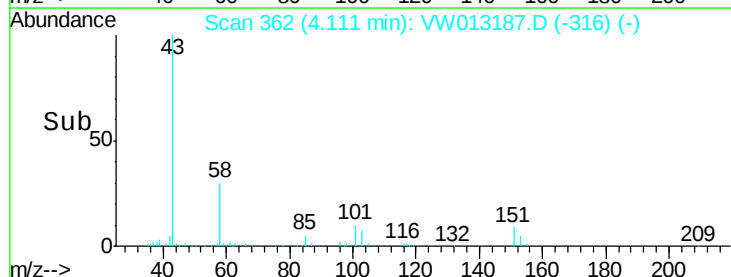
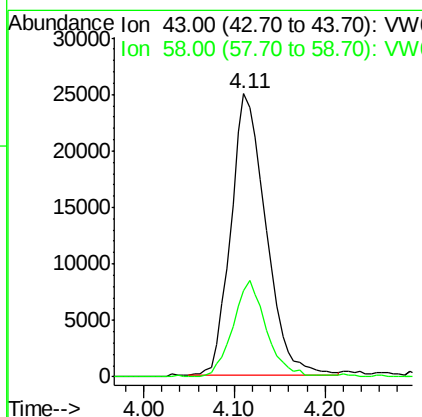
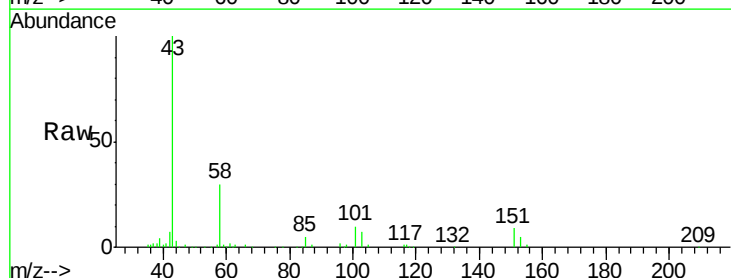
RT: 4.11 min Scan# 362

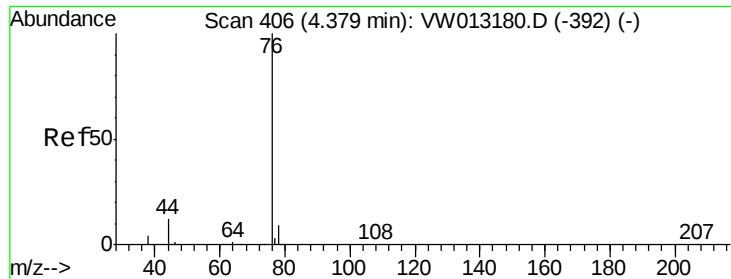
Delta R.T. -0.02 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion:	43	Resp:	67315
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.1	36.1





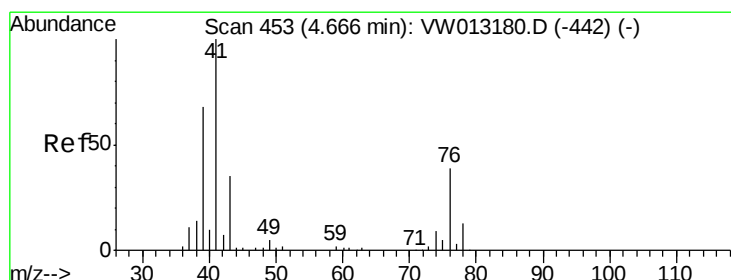
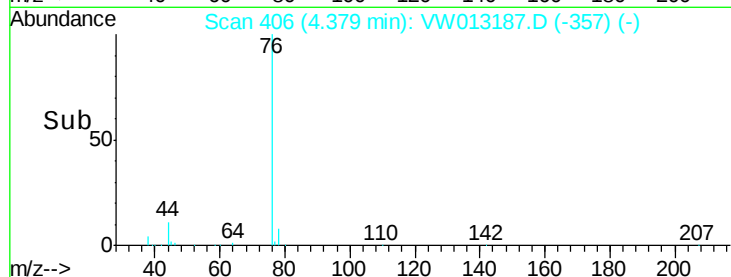
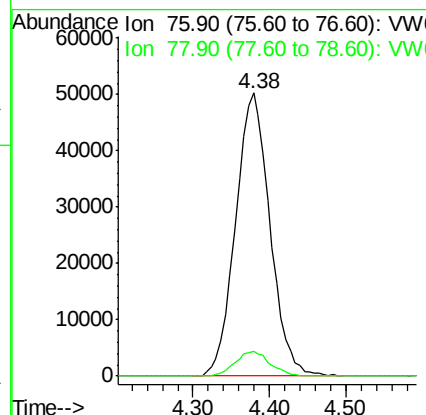
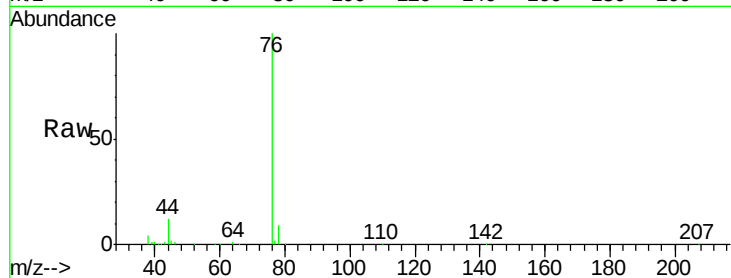
#17
Carbon Disulfide
Concen: 19.233 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

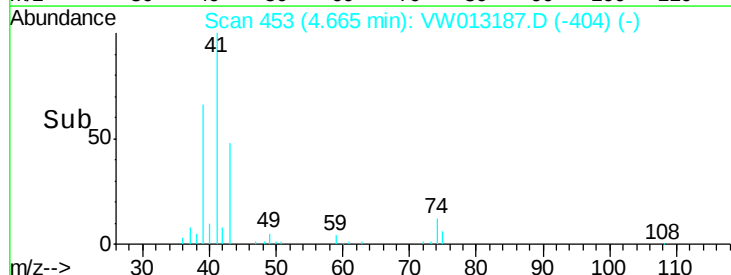
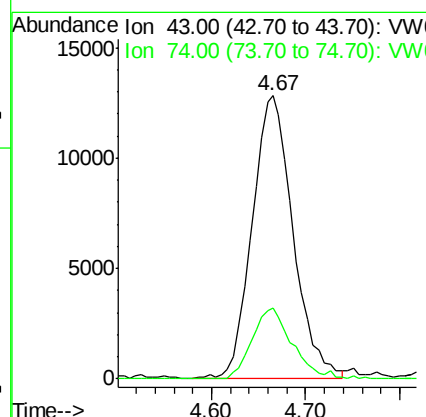
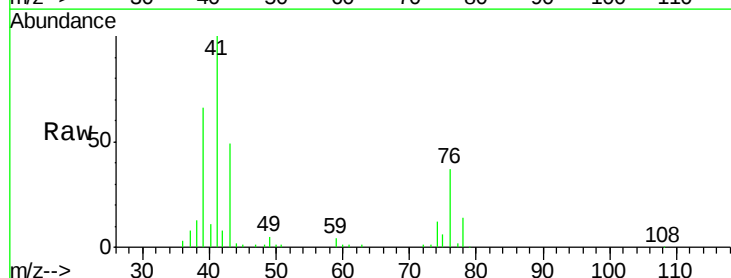
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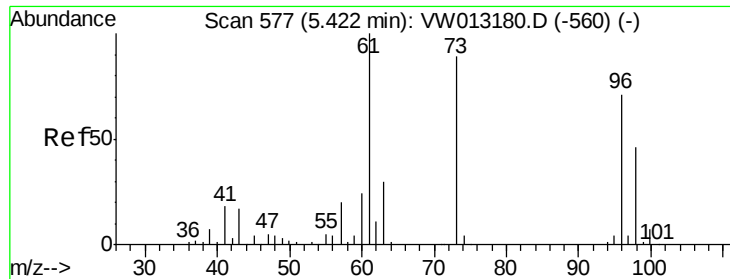
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#18
Methyl Acetate
Concen: 24.947 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





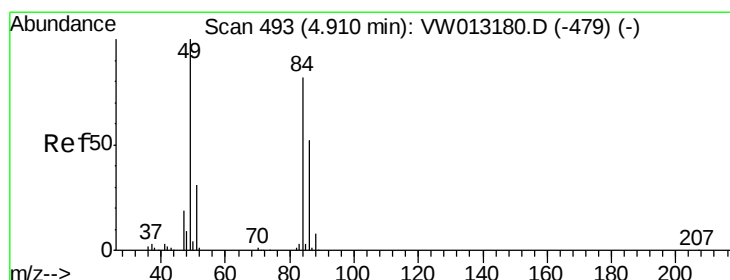
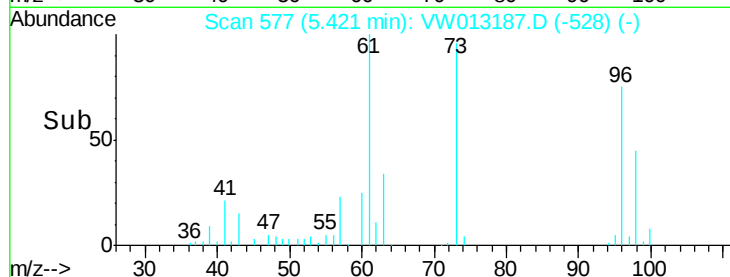
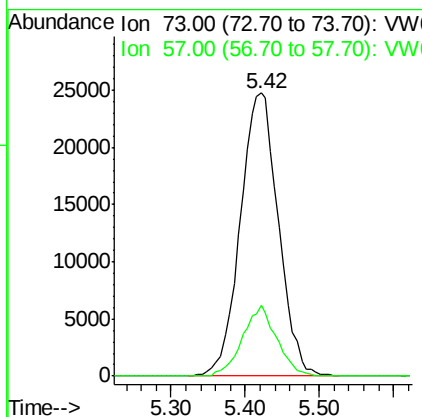
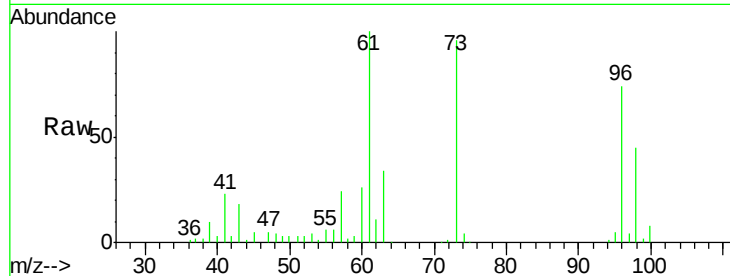
#19
Methvl tert-butvl Ether
Concen: 20.531 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion: 73 Resp: 88546
Ion Ratio Lower Upper
73 100
57 25.0 17.6 26.4

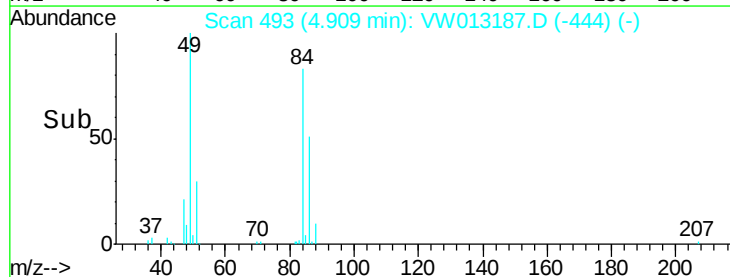
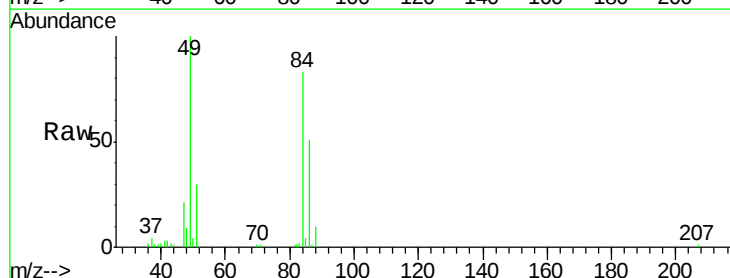
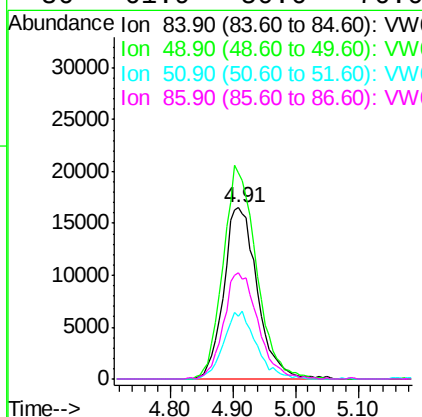
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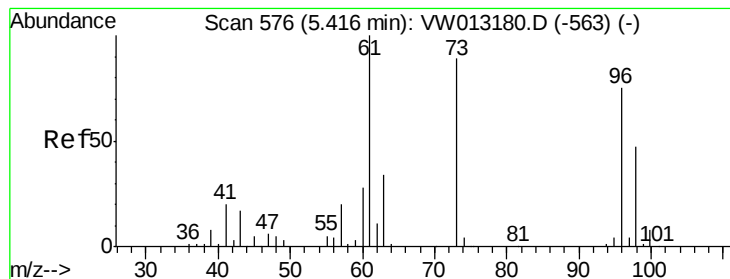
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#20
Methylene Chloride
Concen: 19.776 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 84 Resp: 61371
Ion Ratio Lower Upper
84 100
49 120.2 97.6 146.4
51 36.2 30.2 45.2
86 61.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.436 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 96 Resp: 59113

Ion Ratio Lower Upper

96 100

61 129.9 106.6 159.8

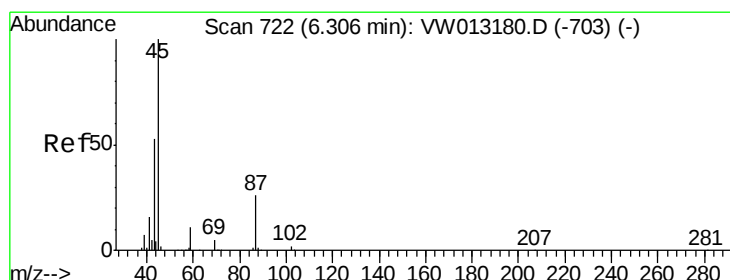
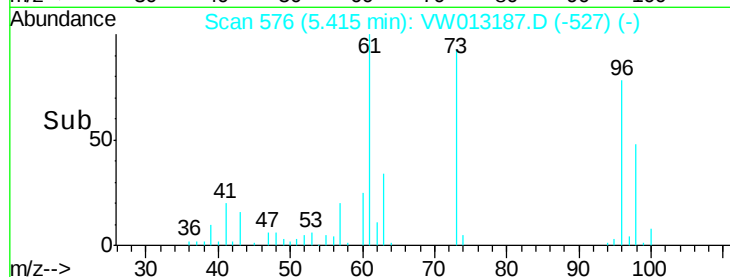
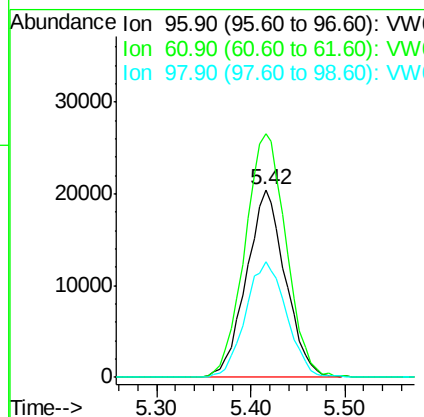
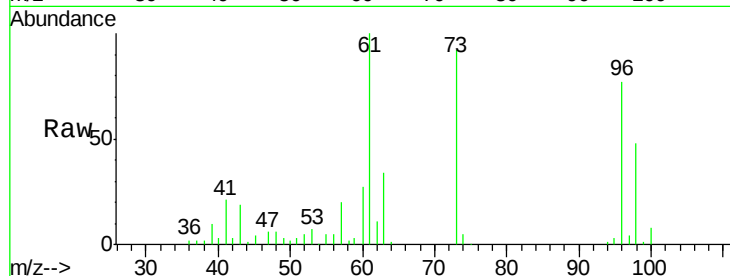
98 62.0 49.8 74.8

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#22

Diisopropyl ether

Concen: 19.772 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion: 45 Resp: 168379

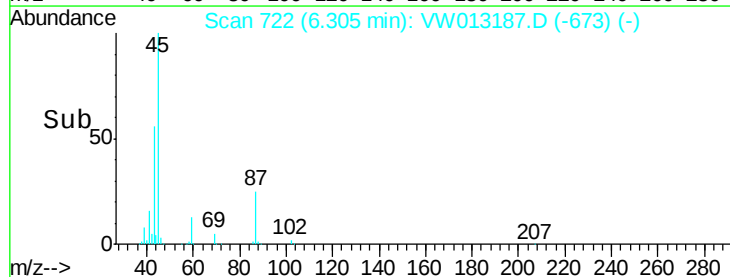
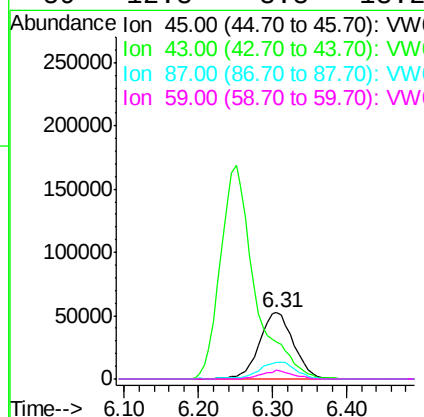
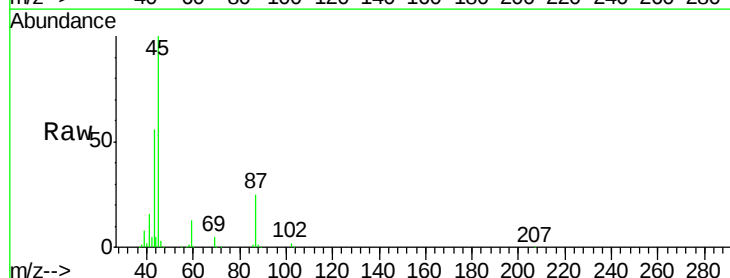
Ion Ratio Lower Upper

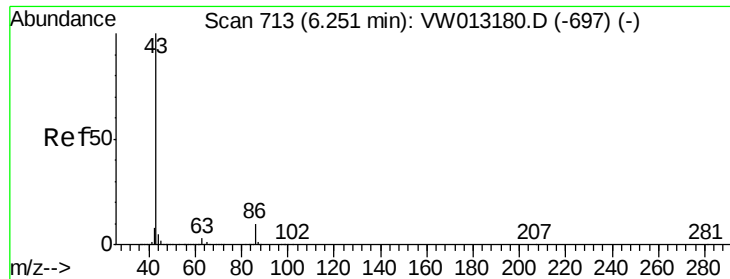
45 100

43 55.3 42.4 63.6

87 25.2 20.4 30.6

59 12.8 8.8 13.2





#23

Vinyl Acetate

Concen: 107.545 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 43 Resp: 543340

Ion Ratio Lower Upper

43 100

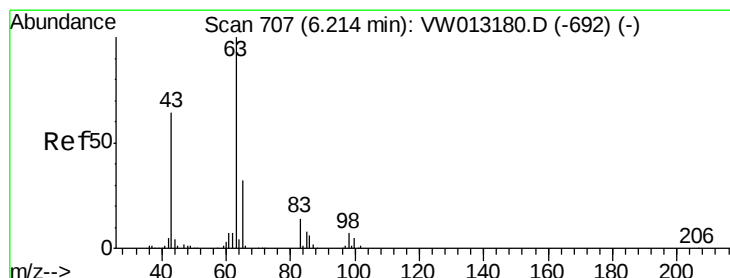
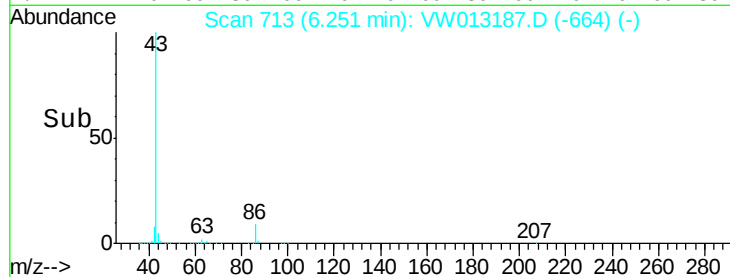
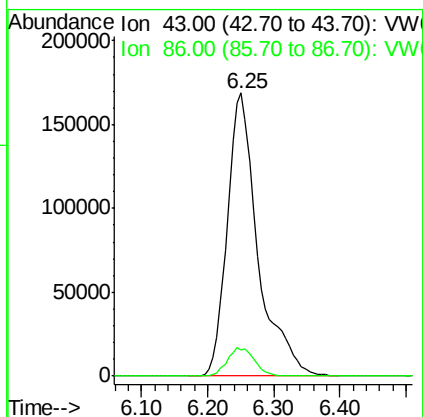
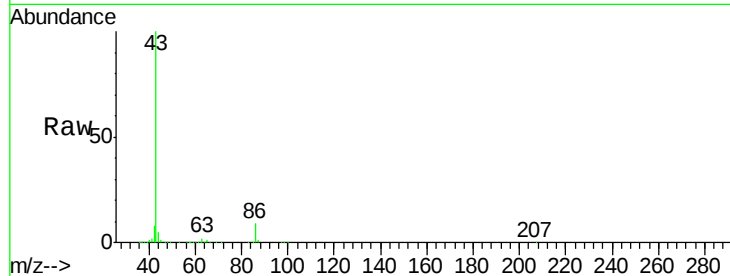
86 9.4 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 19.233 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

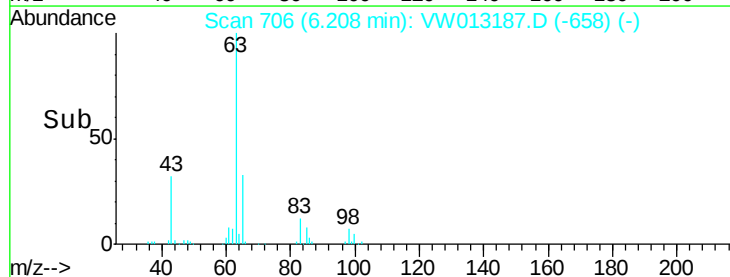
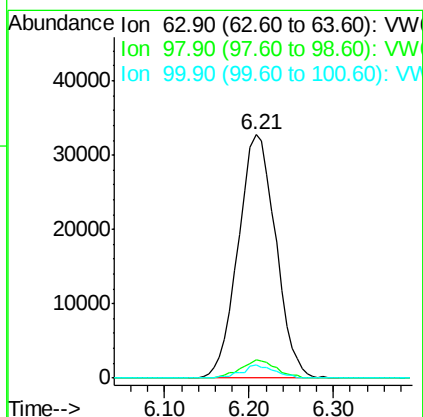
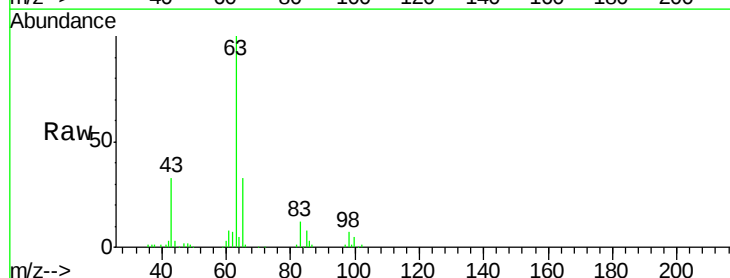
Tgt Ion: 63 Resp: 98834

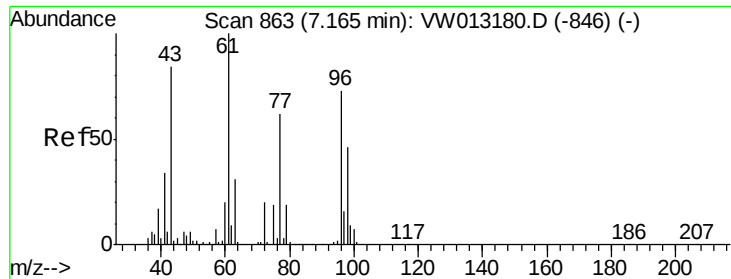
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 5.2 2.4 7.1





#25

2-Butanone

Concen: 126.460 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 43 Resp: 105797

Ion Ratio Lower Upper

43 100

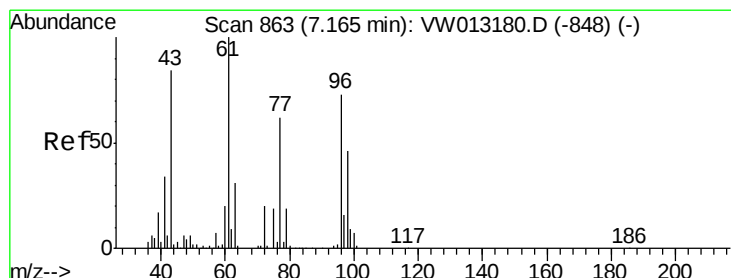
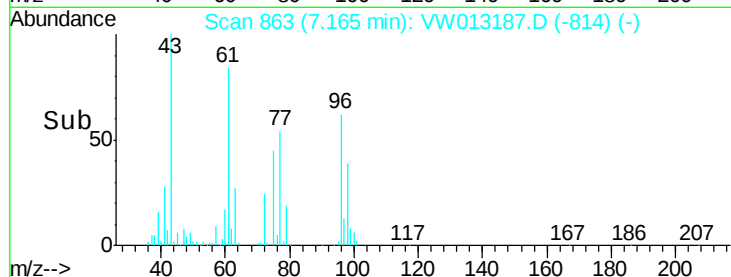
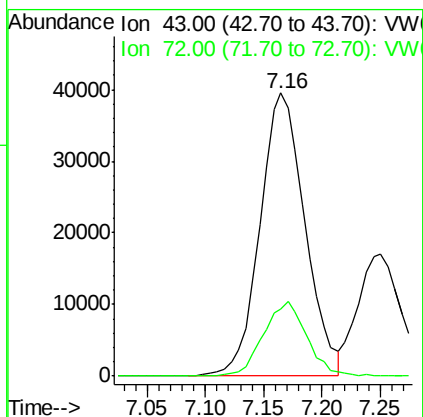
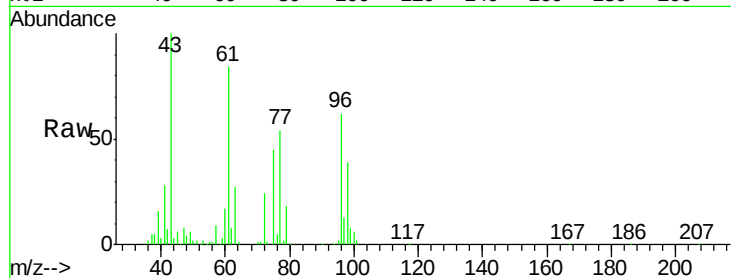
72 23.7 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.969 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013187.D

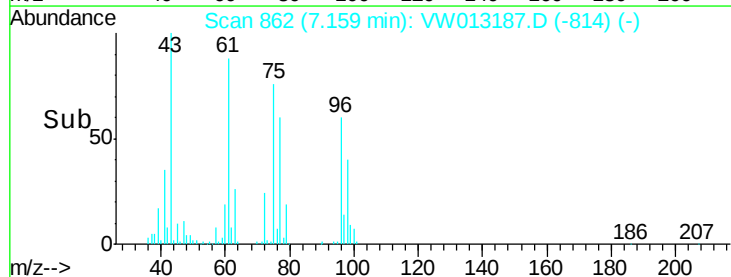
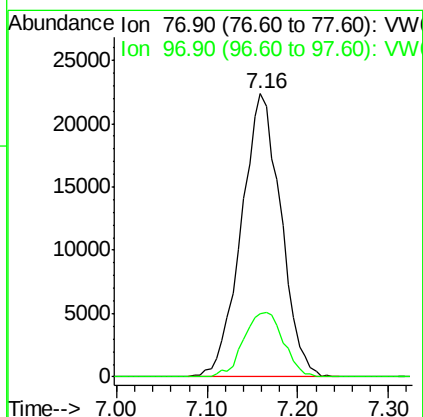
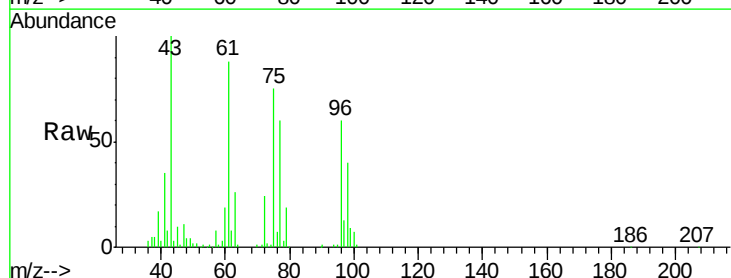
Acq: 20 Sep 2019 17:33

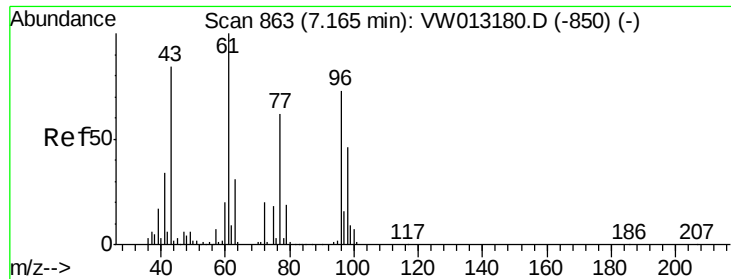
Tgt Ion: 77 Resp: 67554

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.4





#27

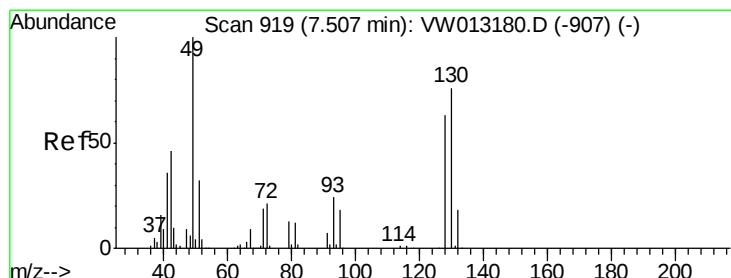
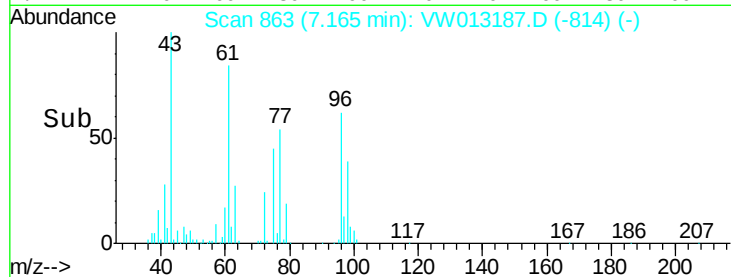
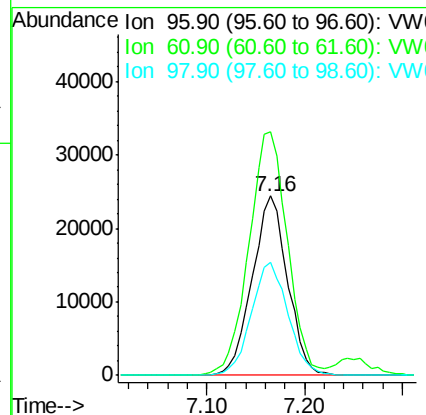
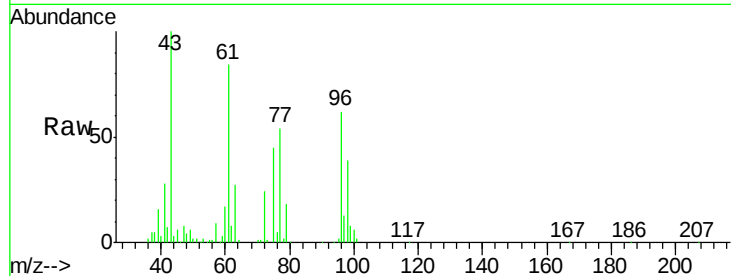
cis-1,2-Dichloroethene
 Concen: 19.096 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	282.4
98	65.3	0.0	128.2

Manual Integrations
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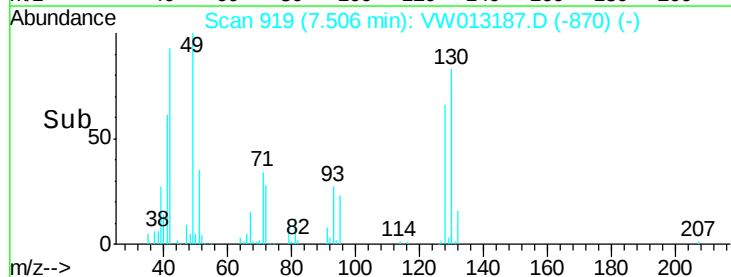
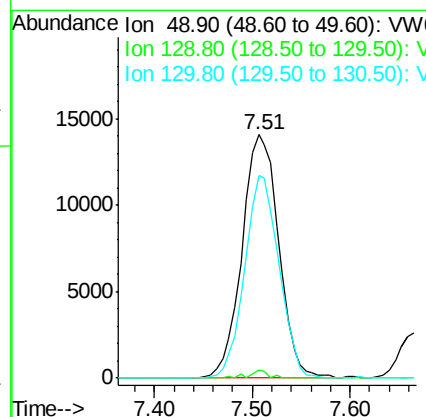
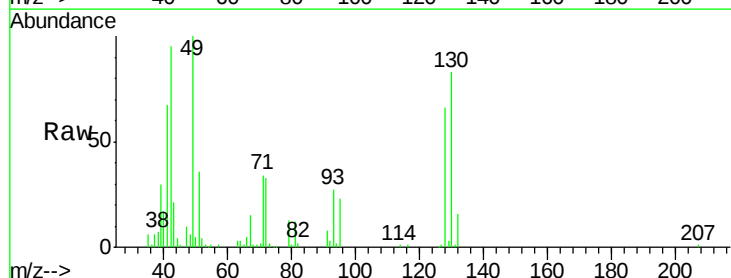
MMDadoda
 9/24/2019 5:28:53 AM

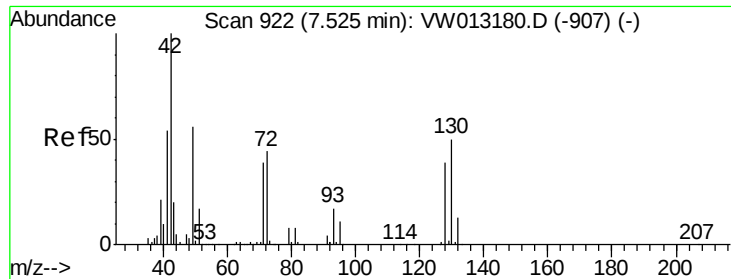


#28

Bromochloromethane
 Concen: 18.540 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.0#
130	78.0	63.4	95.2





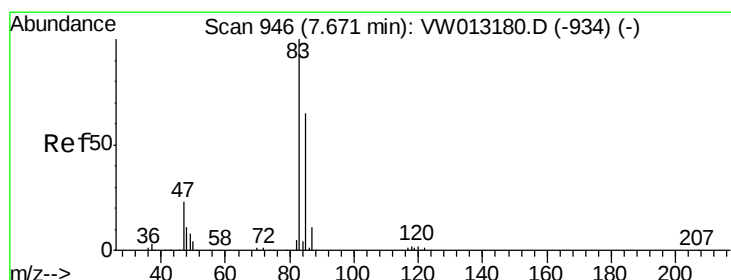
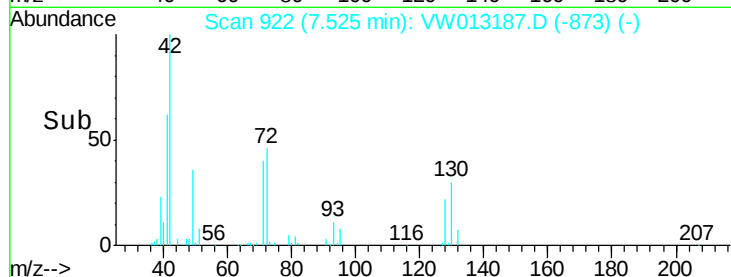
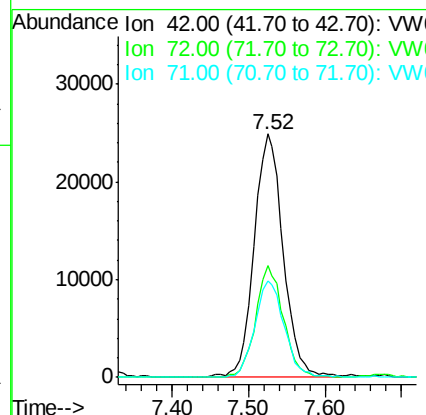
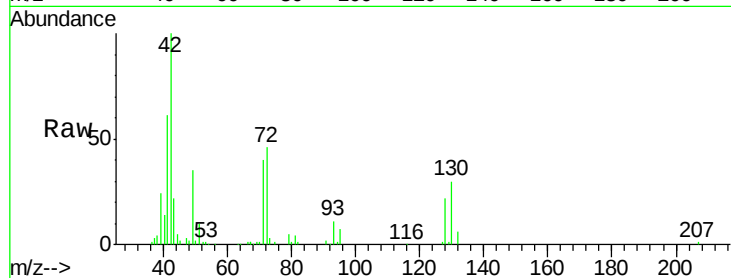
#29
Tetrahydrofuran
Concen: 128.959 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.9	50.9
71	40.0	31.9	47.9

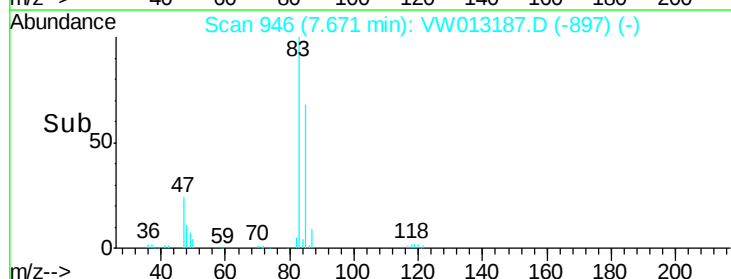
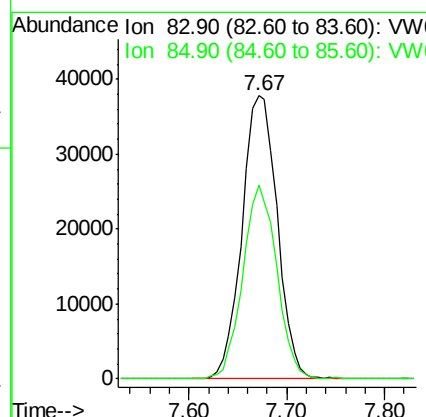
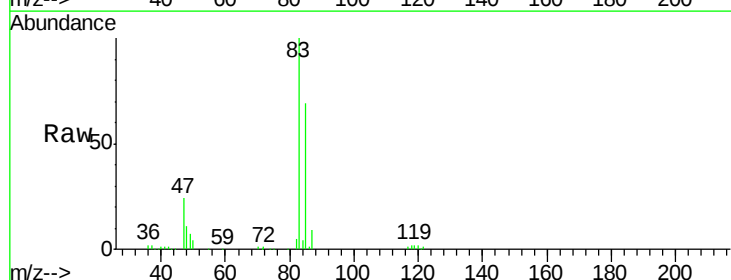
Manual Integrations
APPROVED

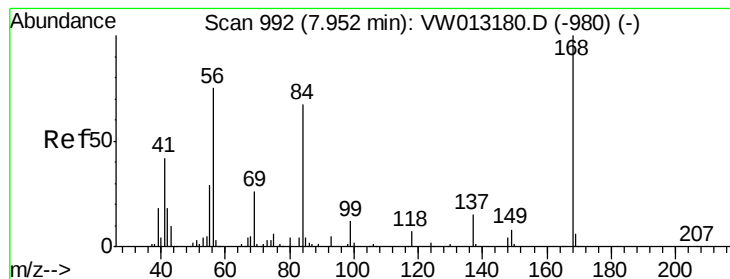
MMDadoda
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#30
Chloroform
Concen: 18.766 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.3	78.5





#31

Cyclohexane

Concen: 19.873 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

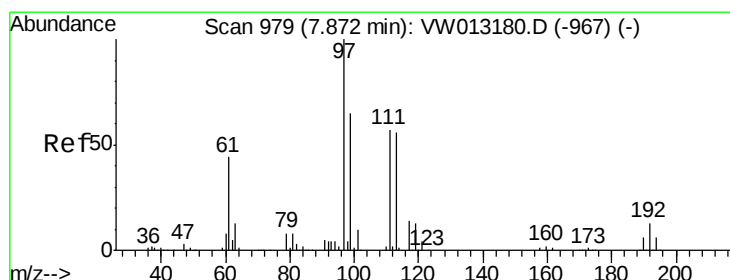
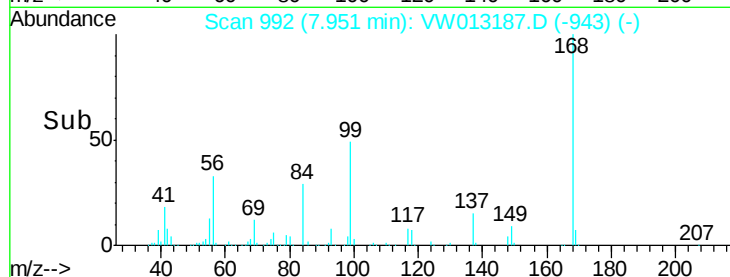
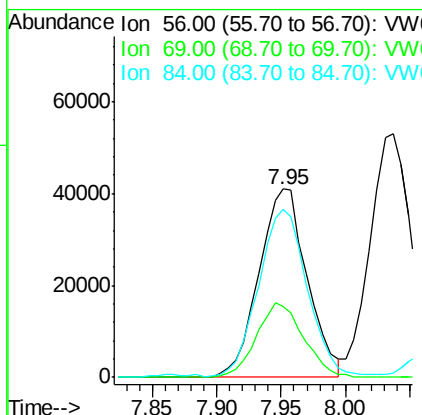
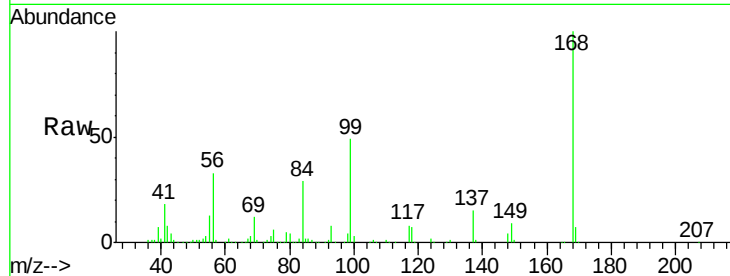
ClientSampleId :

VW0920SBS01

Tot Ion:	56	Resp:	106453
Ion Ratio	Lower	Upper	
56	100		
69	37.7	27.2	40.8
84	88.7	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.369 ug/l

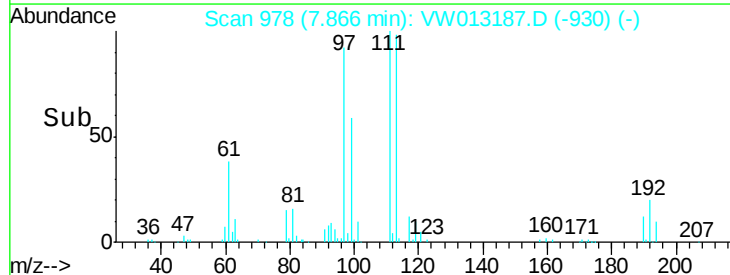
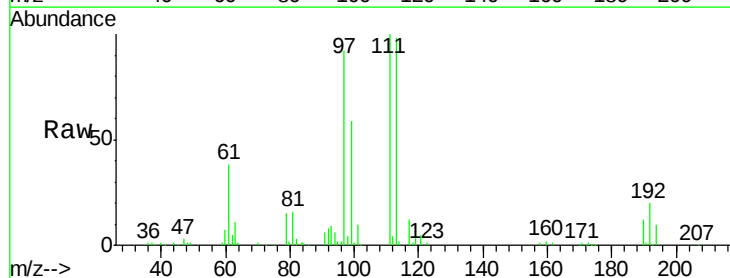
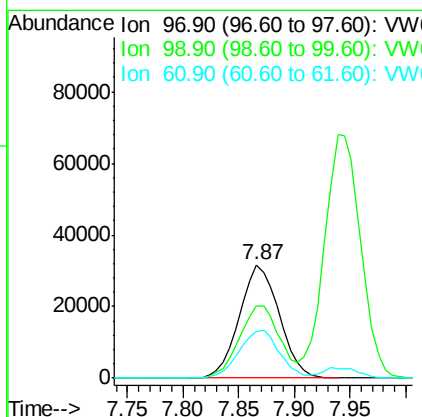
RT: 7.87 min Scan# 978

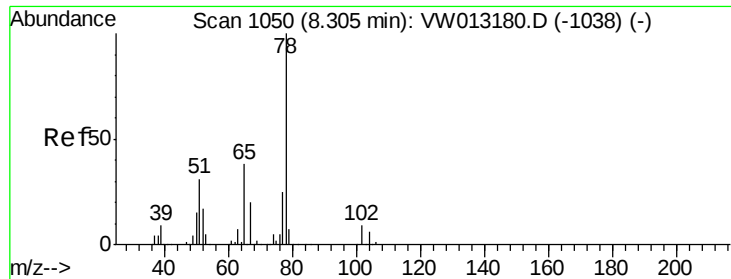
Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion:	97	Resp:	78926
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.7	77.5
61	43.1	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 53.155 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 65 Resp: 131361

Ion Ratio Lower Upper

65 100

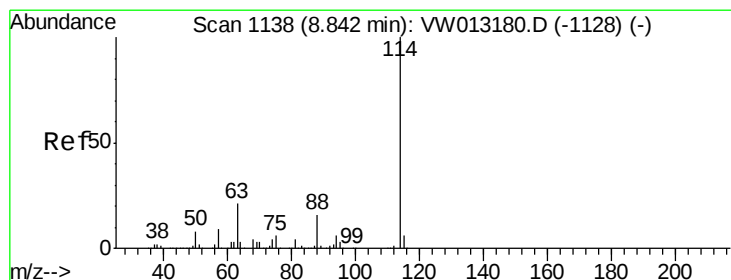
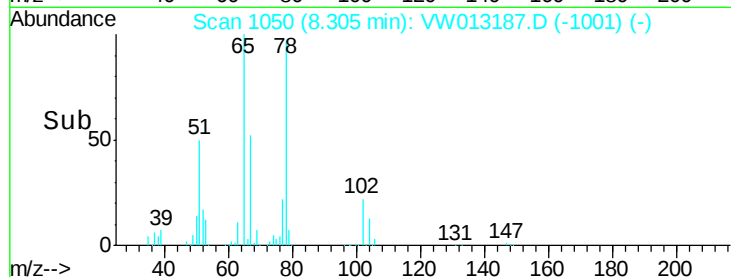
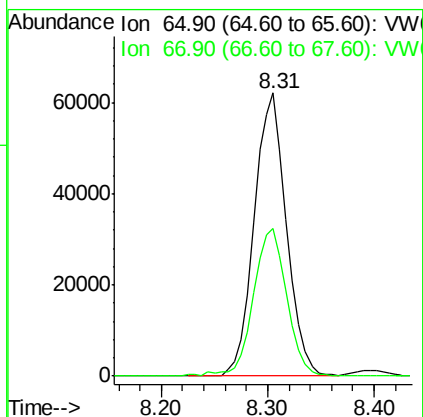
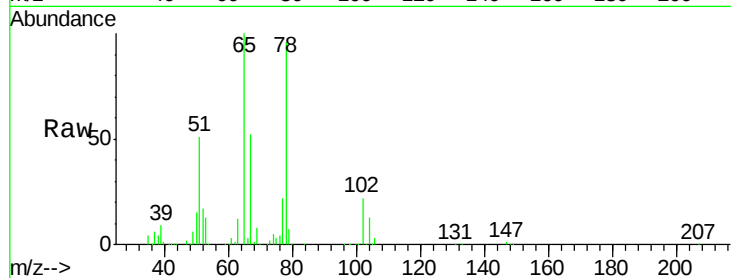
67 54.4 0.0 106.2

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: VW013187.D

Acq: 20 Sep 2019 17:33

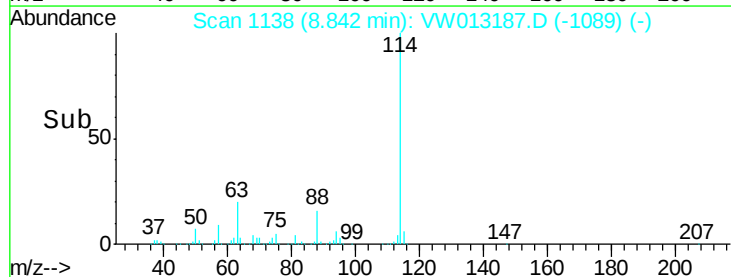
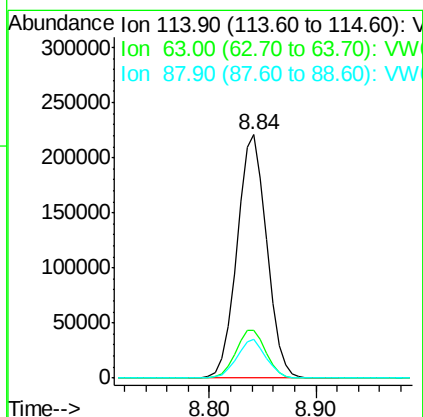
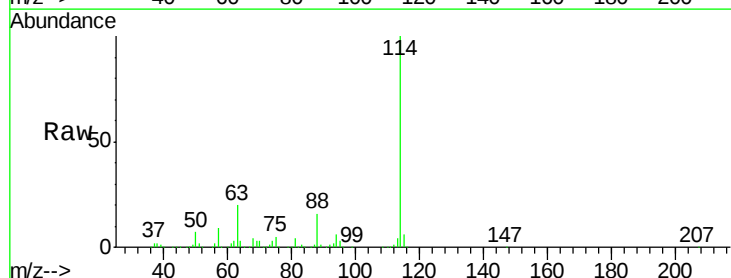
Tgt Ion: 114 Resp: 431849

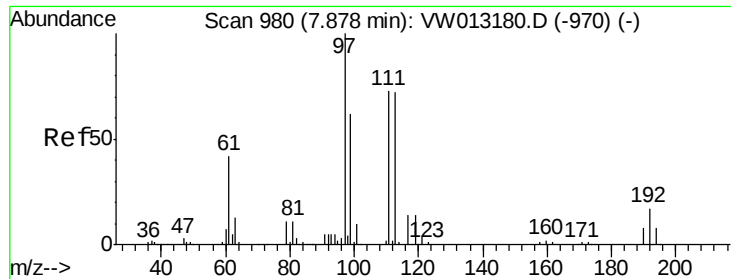
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.8 0.0 32.0





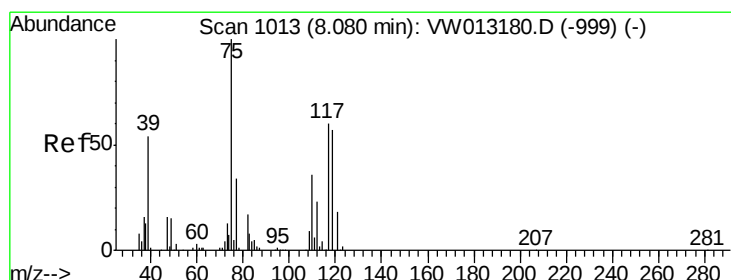
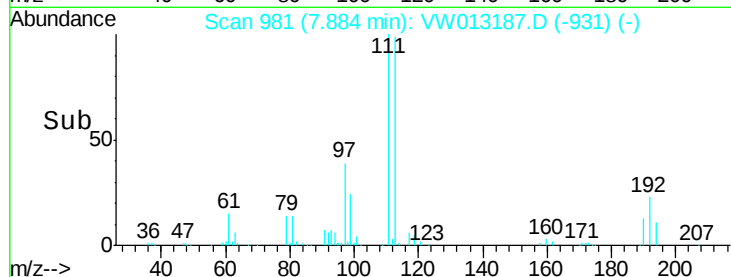
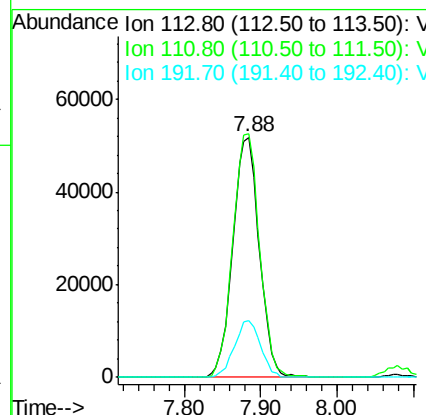
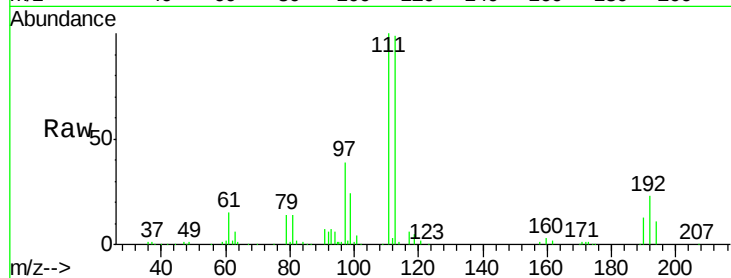
#35
Dibromofluoromethane
Concen: 52.148 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123860		
111	102.4	81.9	122.9	
192	23.3	19.1	28.7	

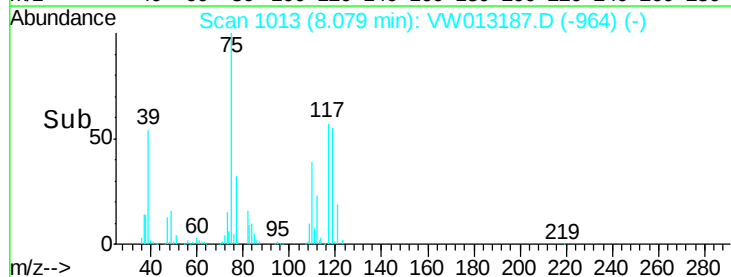
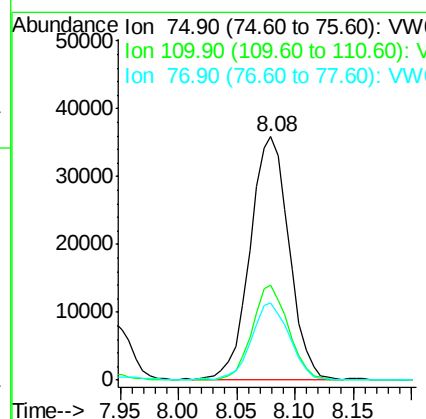
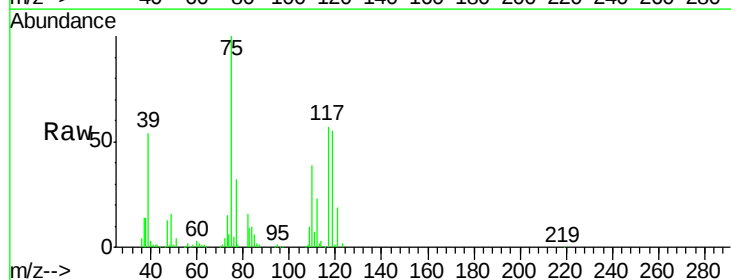
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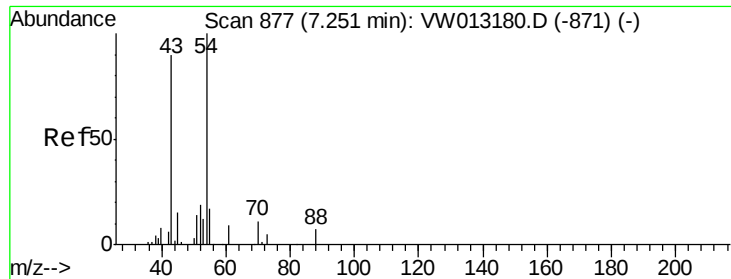
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#36
1,1-Dichloropropene
Concen: 19.945 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83423		
110	36.7	18.1	54.3	
77	31.2	25.8	38.6	





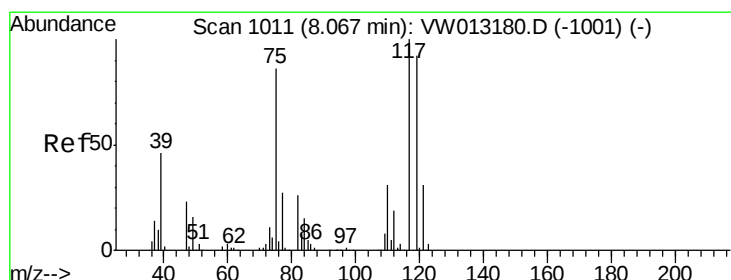
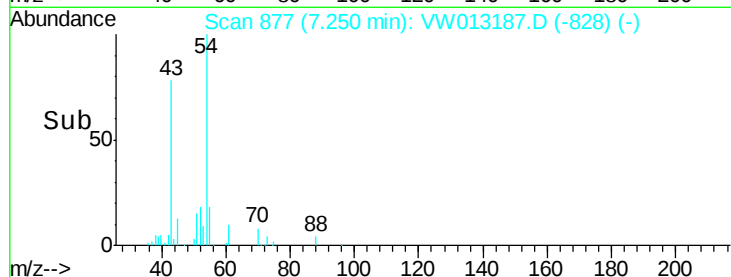
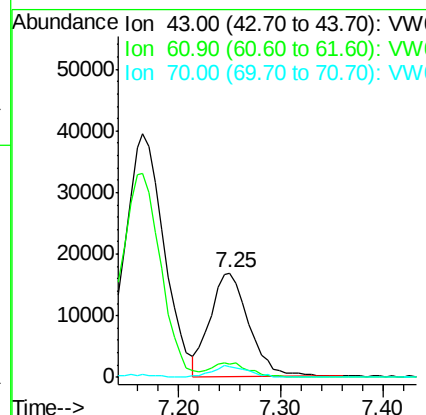
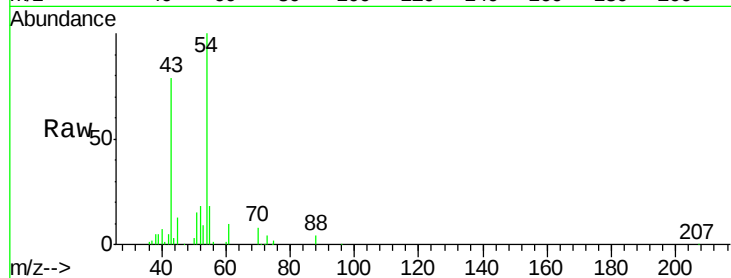
#37
Ethyl Acetate
Concen: 25.016 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampled :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	10.4	8.2	12.2

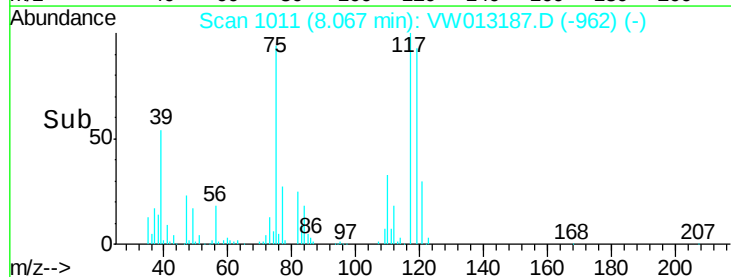
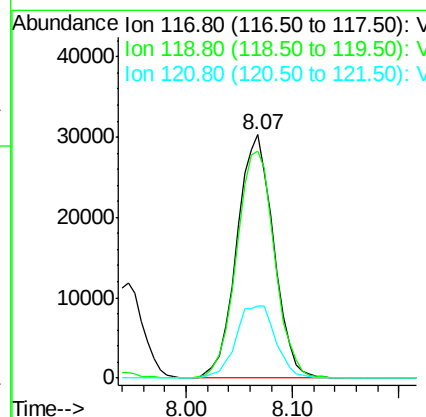
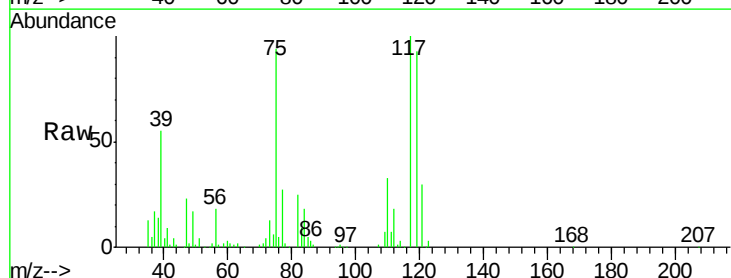
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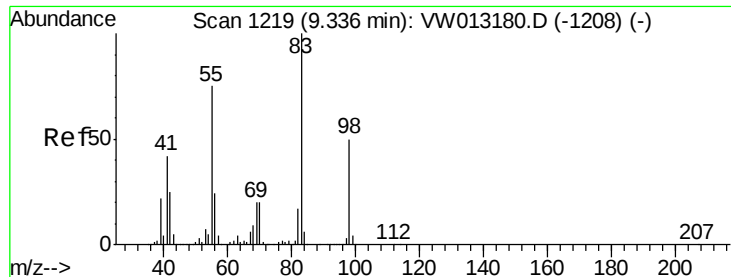
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#38
Carbon Tetrachloride
Concen: 19.596 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.5	110.3
121	29.8	25.0	37.6





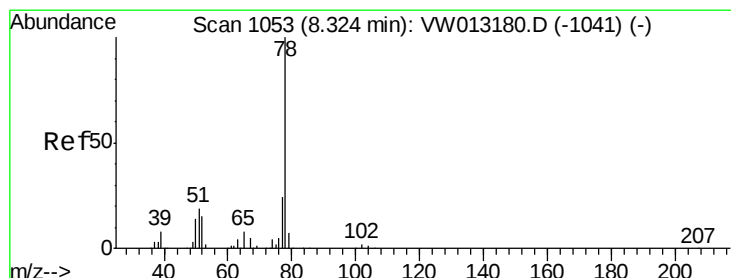
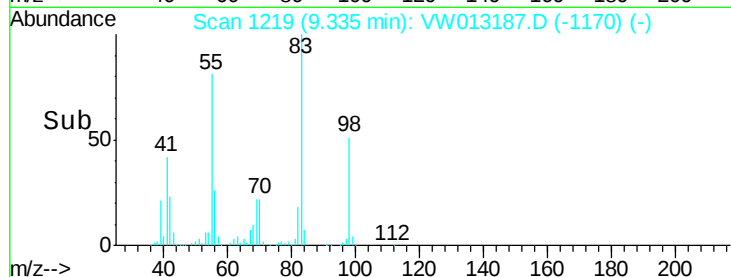
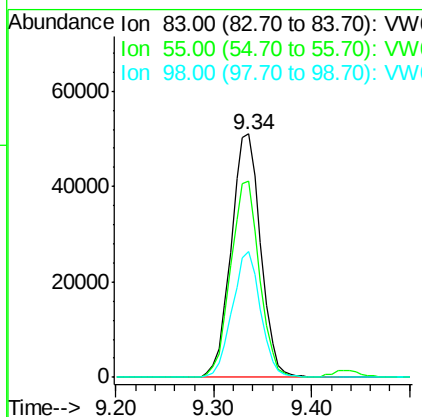
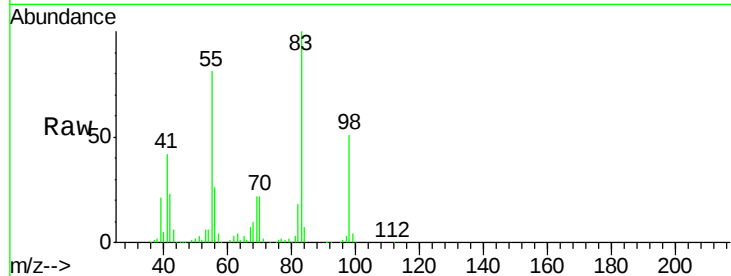
#39
Methvlcvclohexane
Concen: 19.876 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	106842		
55	80.7		60.4	90.6
98	51.5		40.0	60.0

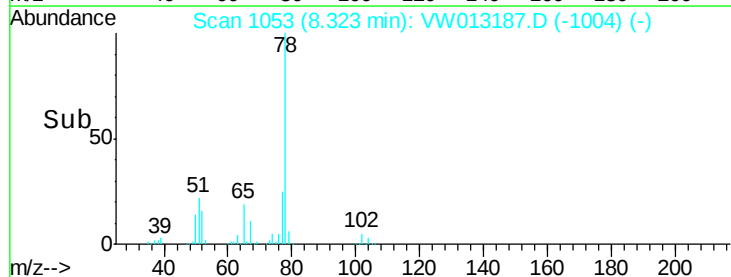
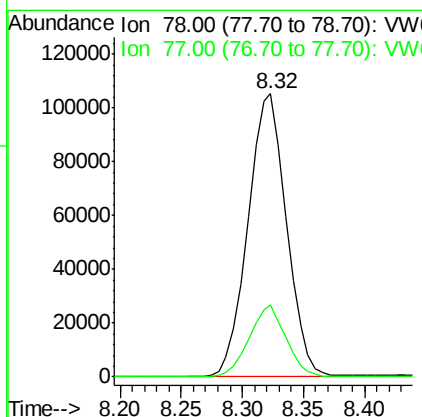
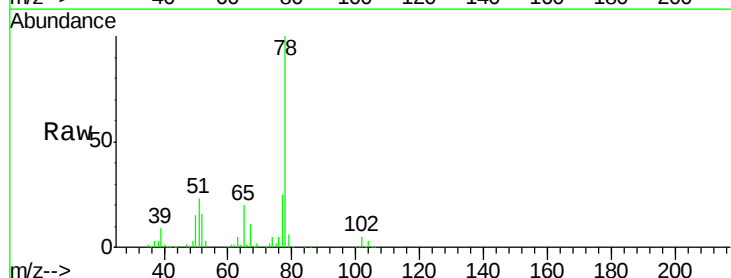
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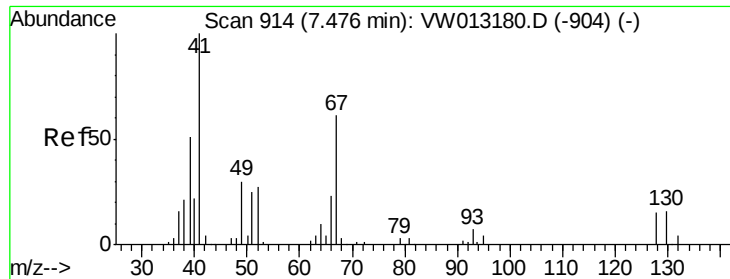
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#40
Benzene
Concen: 19.806 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	231074		
77	25.5		19.1	28.7





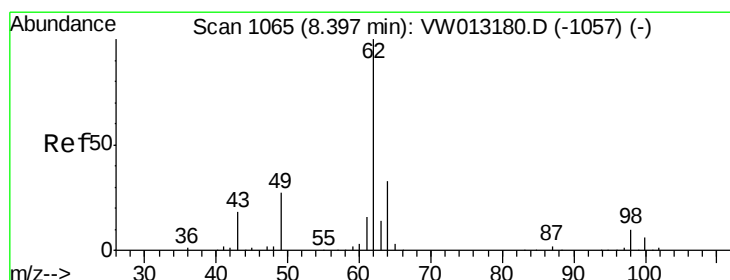
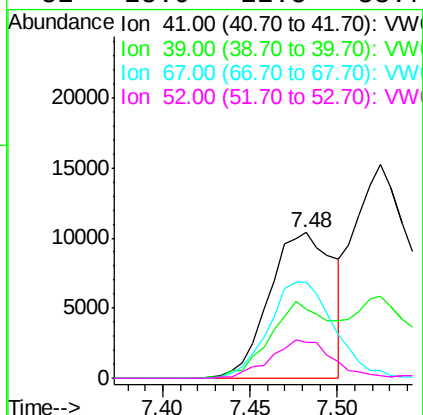
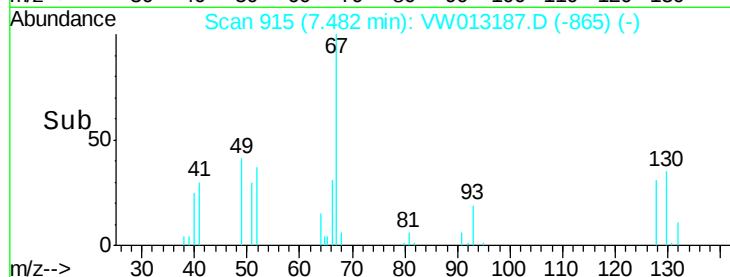
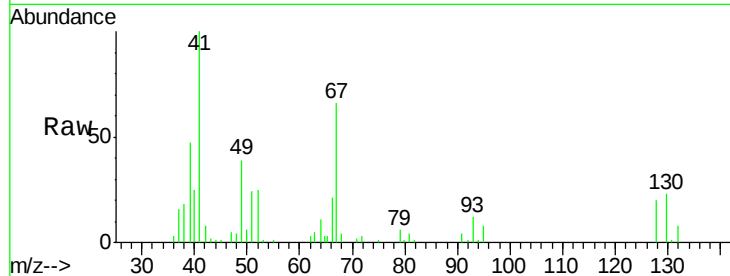
#41
Methacrylonitrile
Concen: 25.125 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.9	45.9	68.9#
67	67.4	54.5	81.7
52	25.9	22.5	33.7

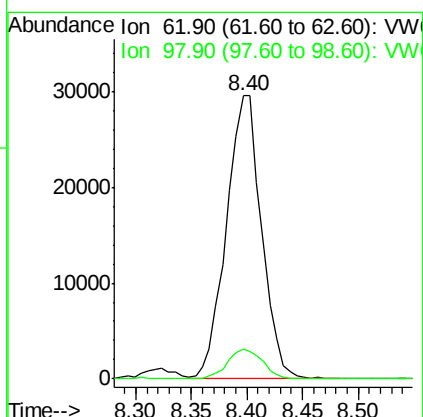
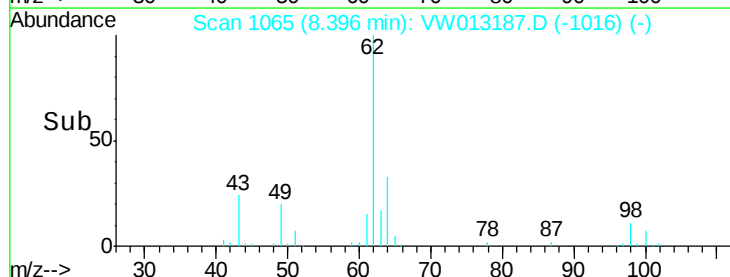
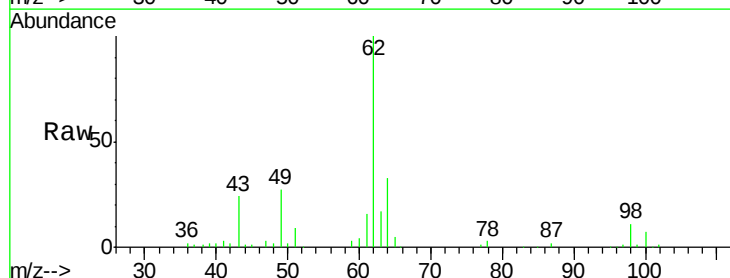
Manual Integrations
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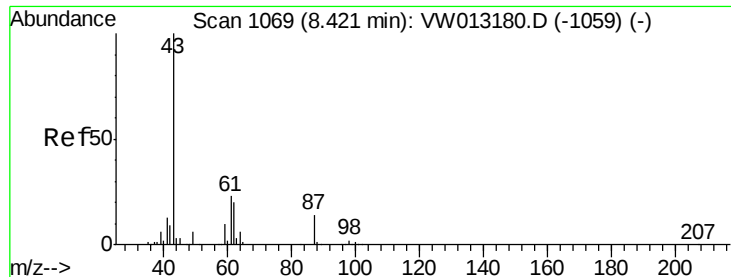
MMDadoda
9/24/2019 5:28:53 AM



#42
1,2-Dichloroethane
Concen: 20.643 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 23.113 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

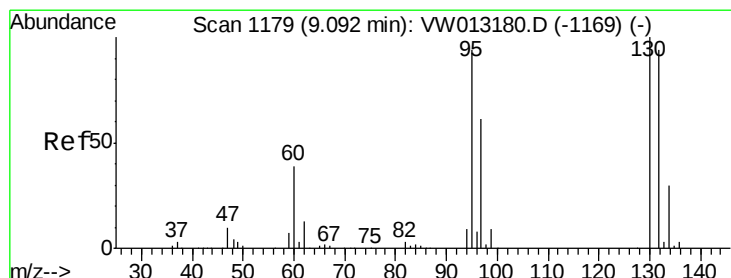
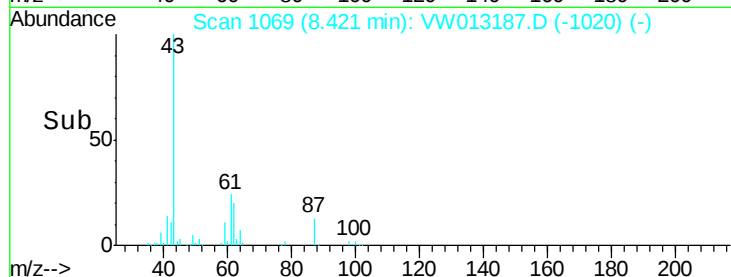
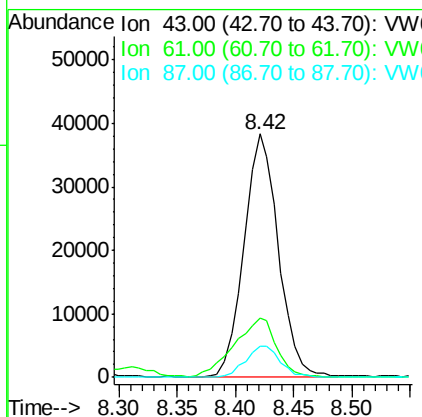
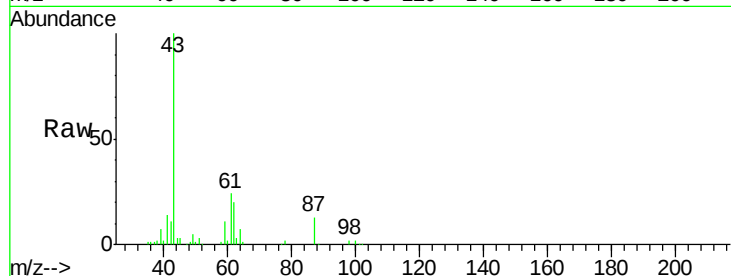
ClientSampleId :

VW0920SBS01

Tot Ion:	43	Resp:	78749
Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.5	38.3
87	13.0	11.0	16.4

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#44

Trichloroethene

Concen: 19.686 ug/l

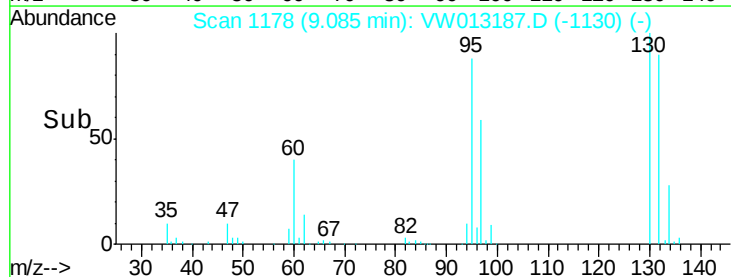
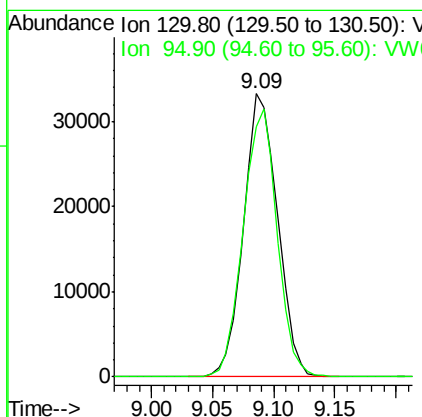
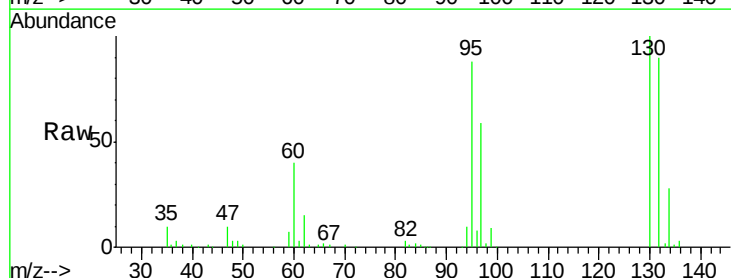
RT: 9.09 min Scan# 1178

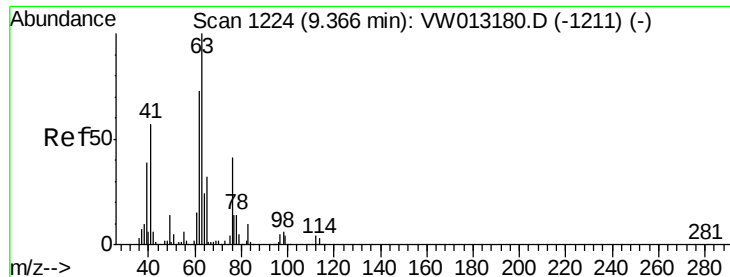
Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion:	130	Resp:	64440
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.274 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 63 Resp: 54899

Ion Ratio Lower Upper

63 100

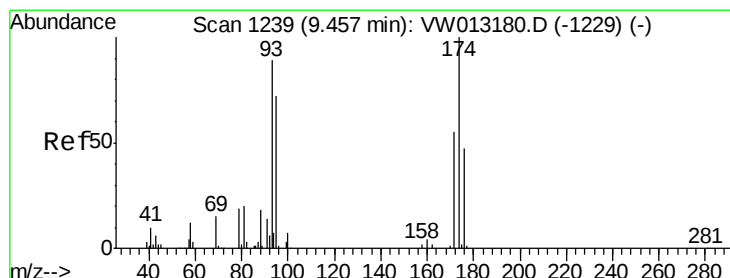
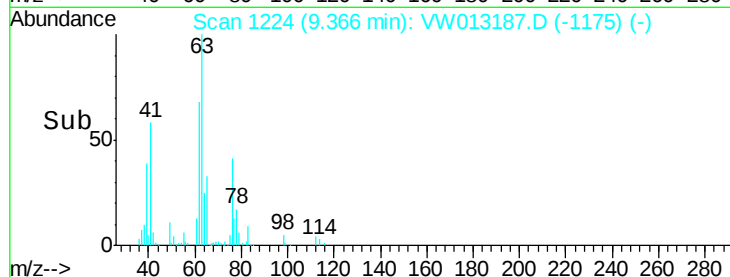
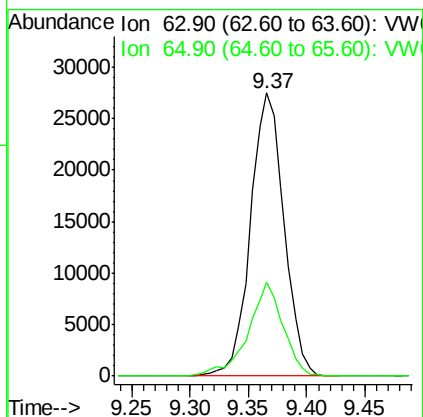
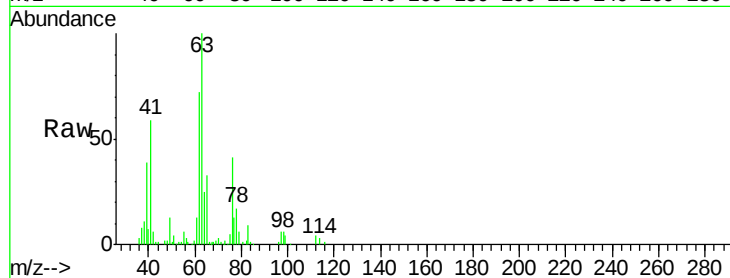
65 33.3 25.3 37.9

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#46

Dibromomethane

Concen: 20.665 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

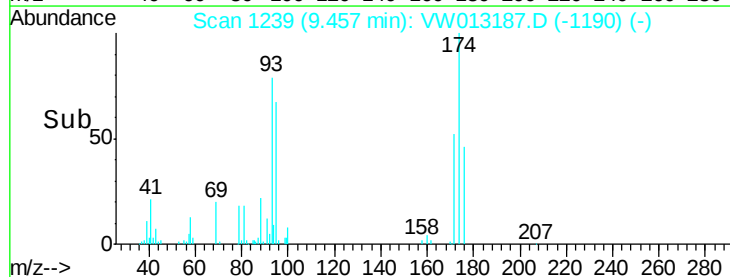
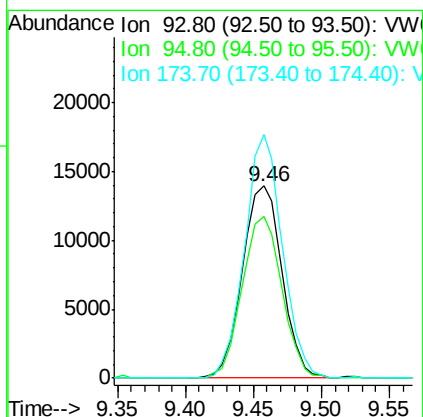
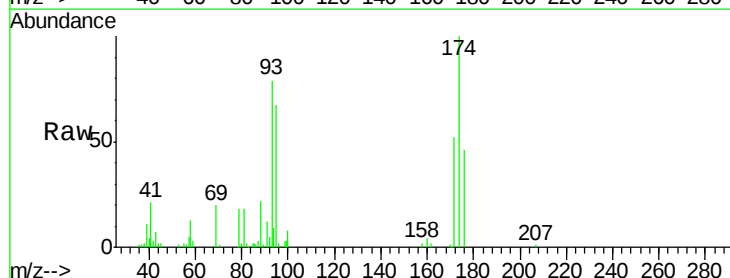
Tgt Ion: 93 Resp: 28577

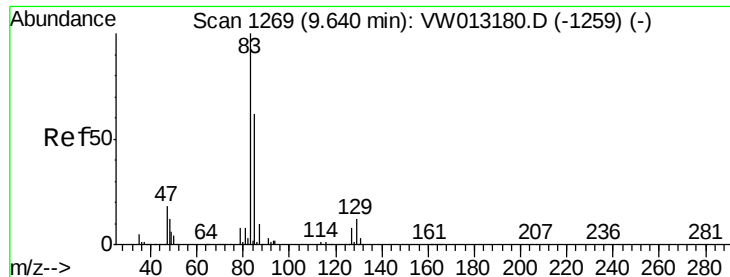
Ion Ratio Lower Upper

93 100

95 84.4 66.4 99.6

174 120.3 93.0 139.6





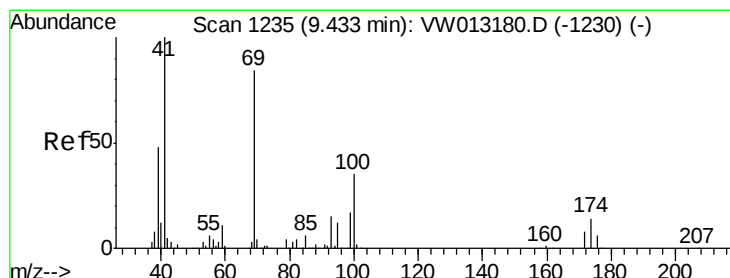
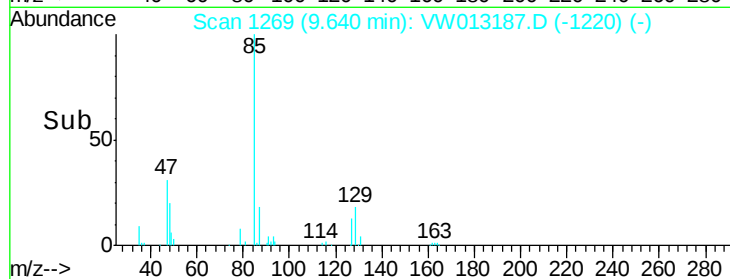
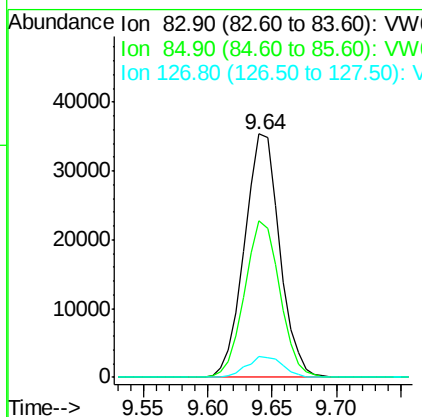
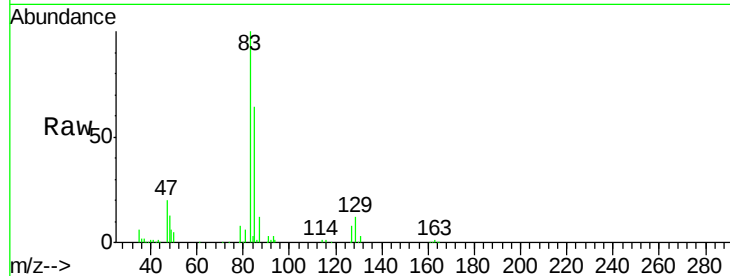
#47
Bromodichloromethane
Concen: 18.994 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion:	83	Resp:	66837
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.4	74.2
127	8.5	6.5	9.7

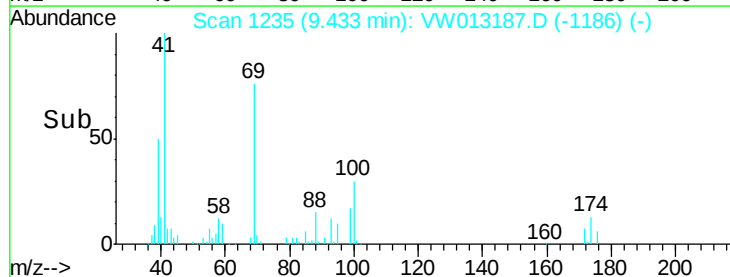
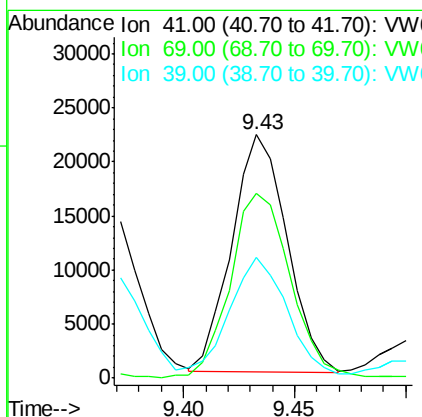
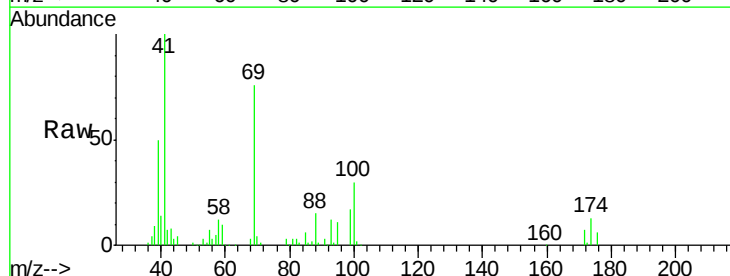
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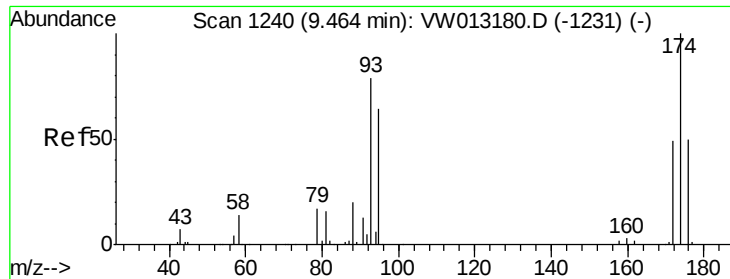
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#48
Methyl methacrylate
Concen: 23.701 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion:	41	Resp:	37971
Ion	Ratio	Lower	Upper
41	100		
69	84.7	69.7	104.5
39	50.5	41.1	61.7





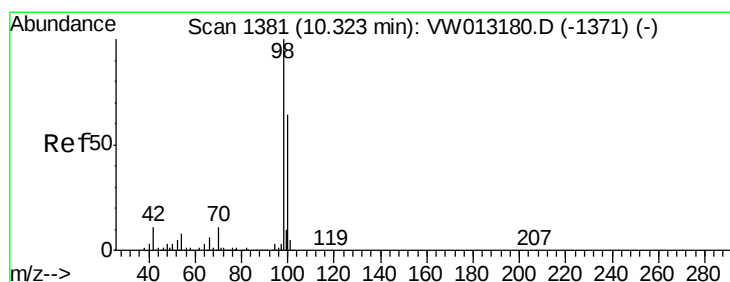
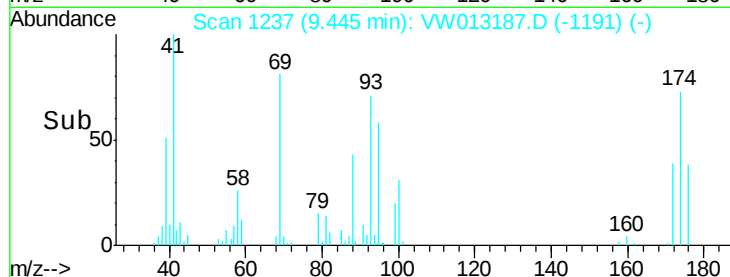
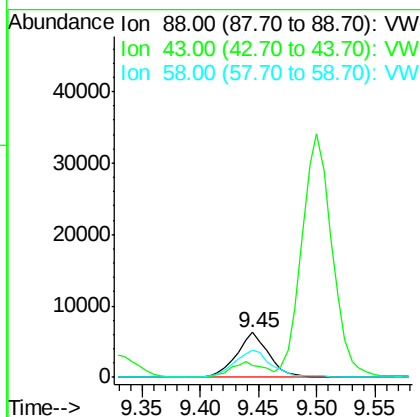
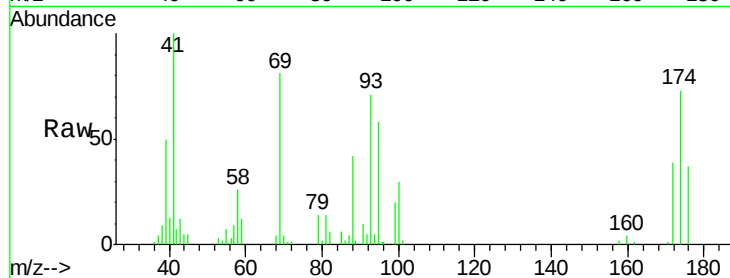
#49
1,4-Dioxane
Concen: 583.339 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	0.0	0.0#
58	68.6	65.4	98.0

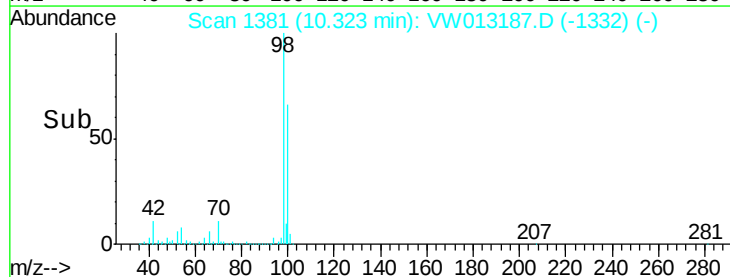
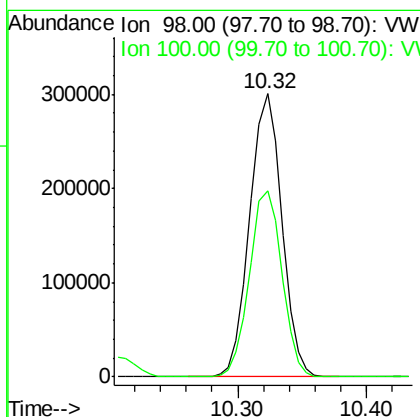
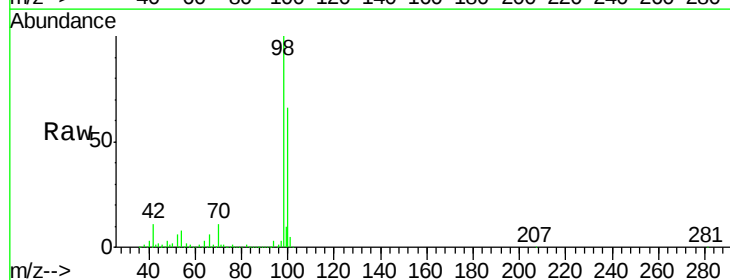
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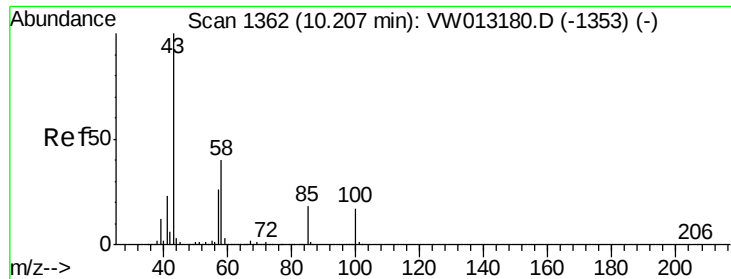
MMDadoda
9/24/2019 5:28:53 AM



#50
Toluene-d8
Concen: 52.144 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 125.885 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampled :

VW0920SBS01

Tot Ion: 43 Resp: 215017
Ion Ratio Lower Upper

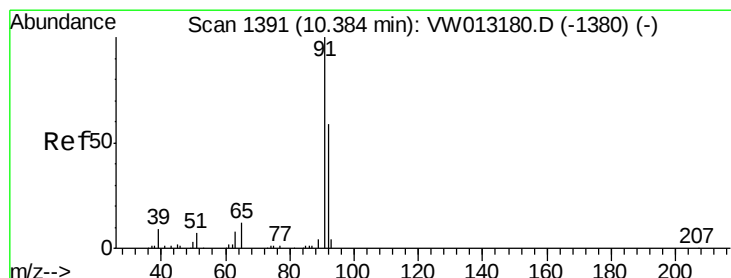
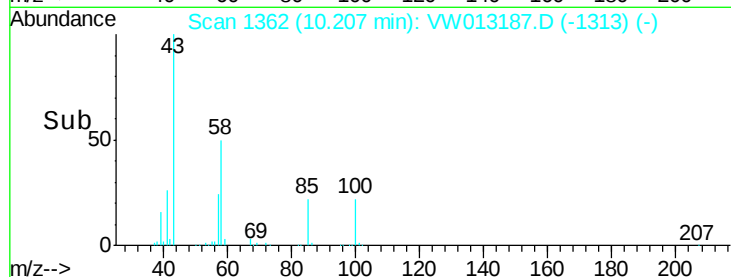
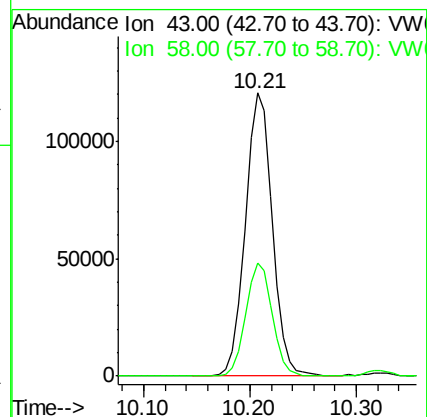
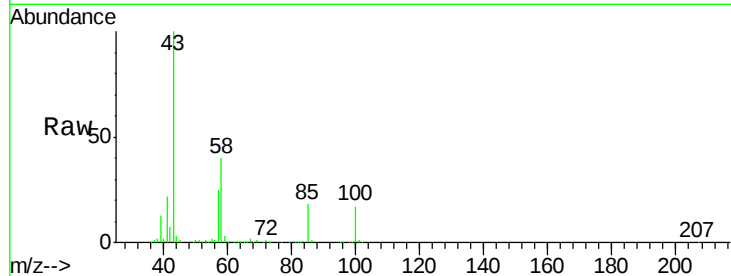
43 100

58 39.1 31.7 47.5

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#52

Toluene

Concen: 19.825 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

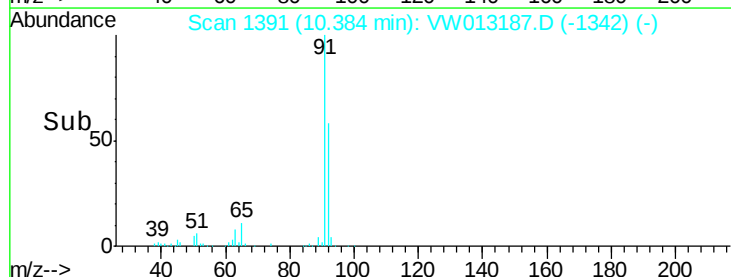
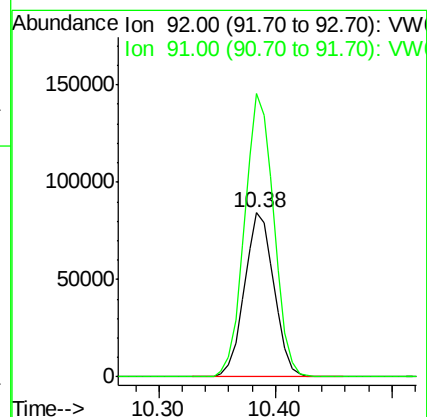
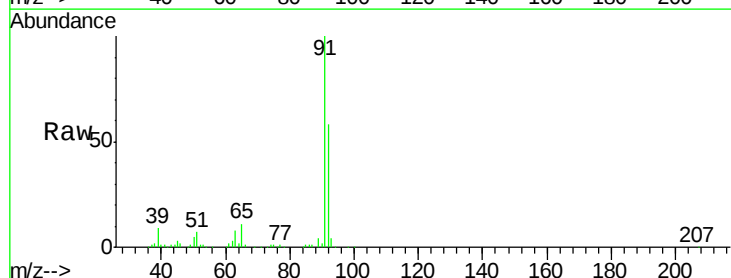
Lab File: VW013187.D

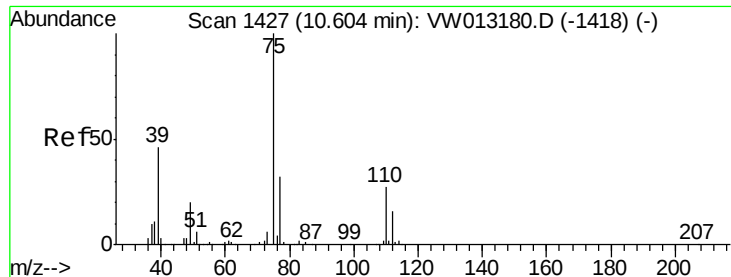
Acq: 20 Sep 2019 17:33

Tgt Ion: 92 Resp: 148234
Ion Ratio Lower Upper

92 100

91 171.9 135.7 203.5





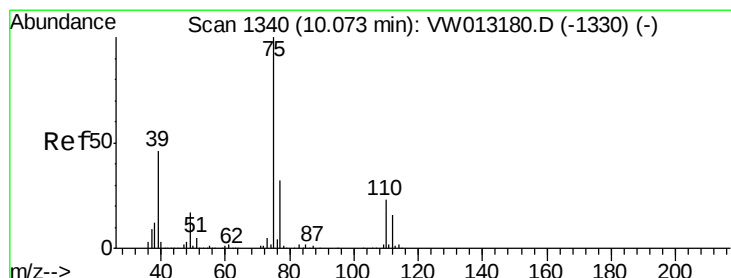
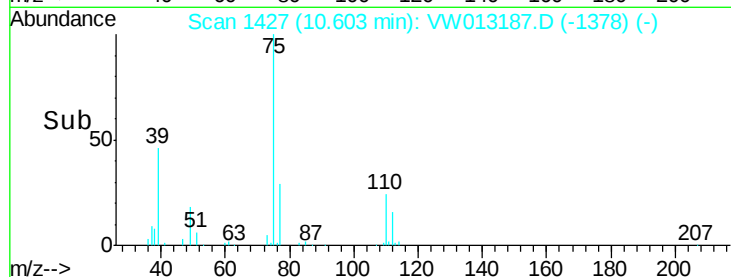
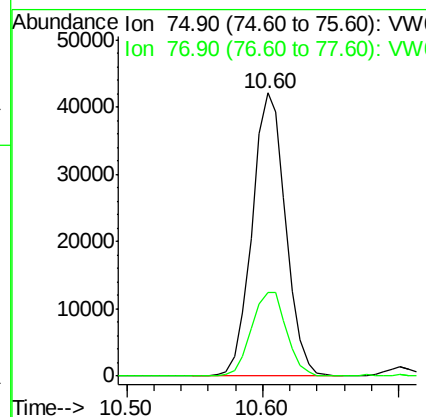
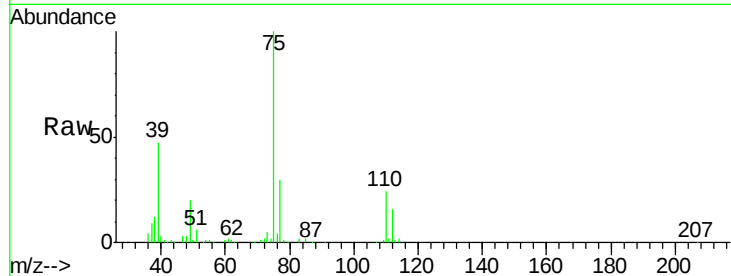
#53
t-1,3-Dichloropropene
Concen: 20.098 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	75	Resp	72657
Ion Ratio	100	Lower	Upper
77	29.8	25.5	38.3

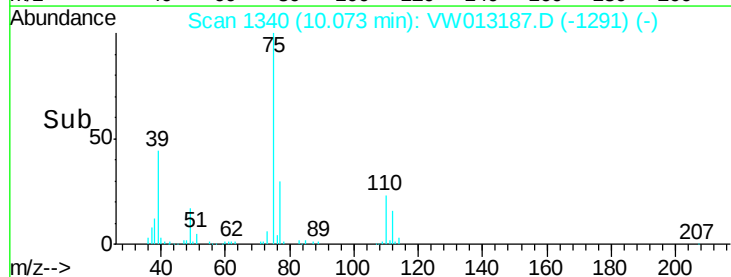
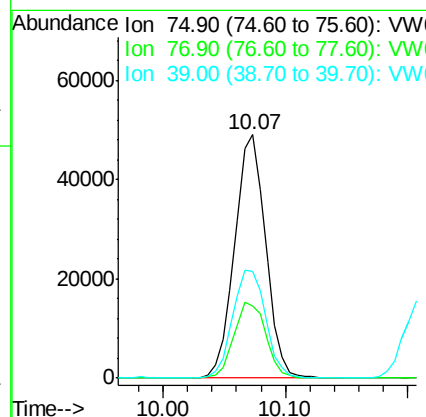
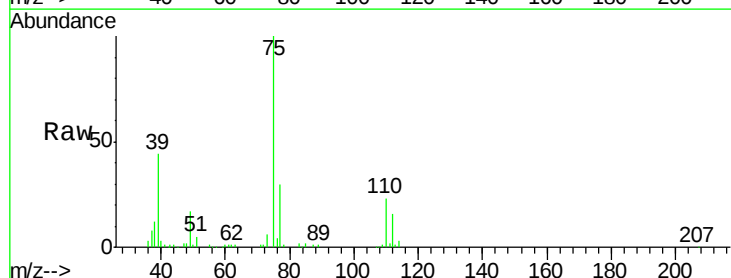
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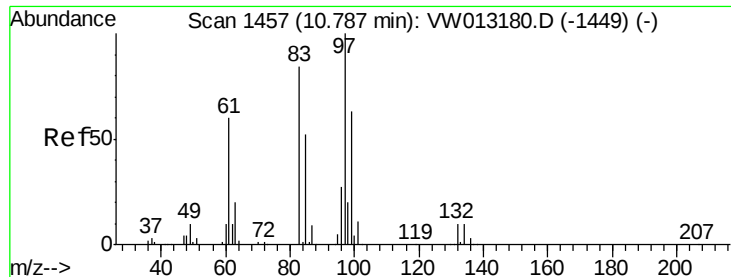
MMDadoda
9/24/2019 5:28:53 AM



#54
cis-1,3-Dichloropropene
Concen: 19.521 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	75	Resp	85809
Ion Ratio	100	Lower	Upper
77	29.6	25.2	37.8
39	43.8	36.6	55.0





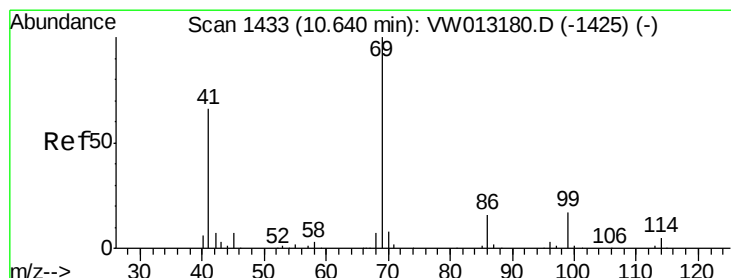
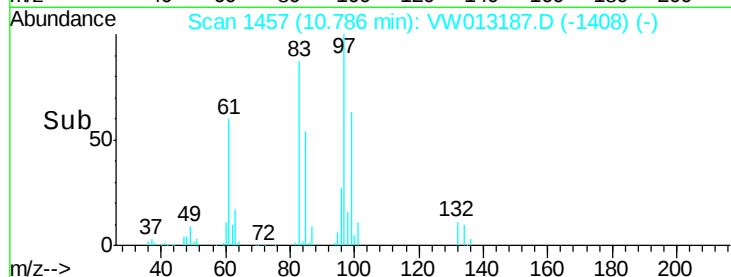
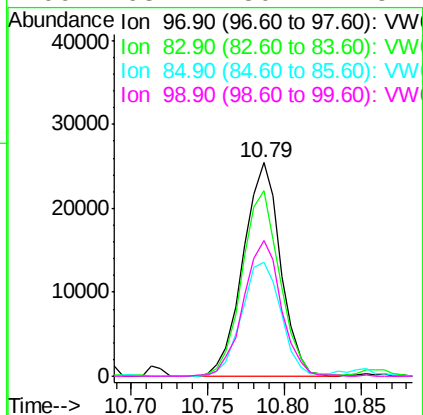
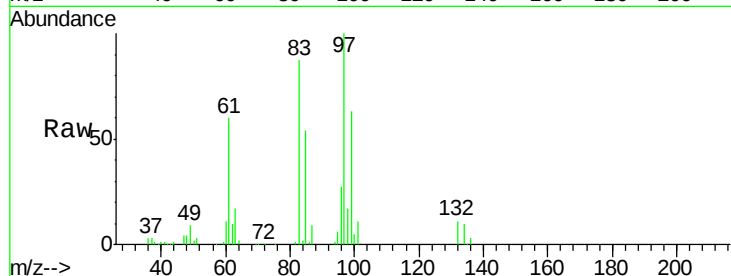
#55
 1,1,2-Trichloroethane
 Concen: 20.979 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion:	97	Resp:	43364
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.6	101.4
85	53.5	41.9	62.9
99	63.4	50.1	75.1

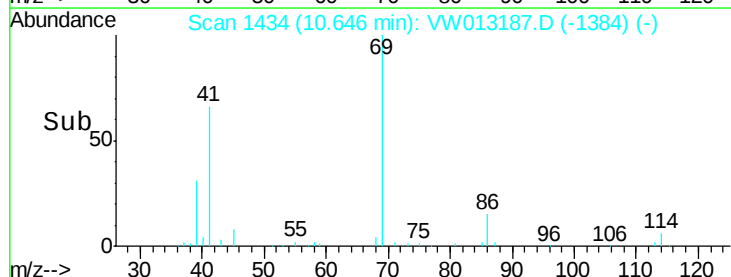
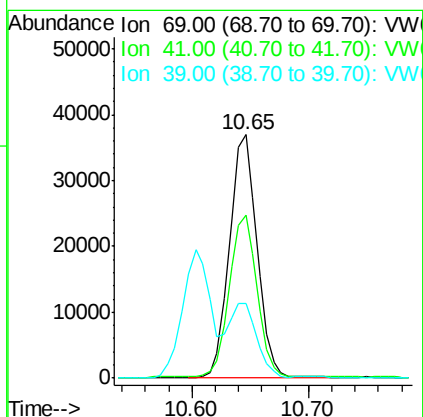
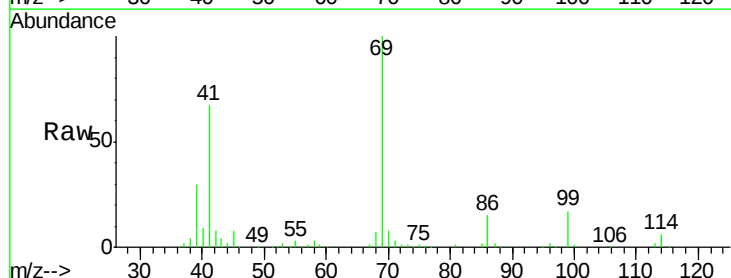
Manual Integrations
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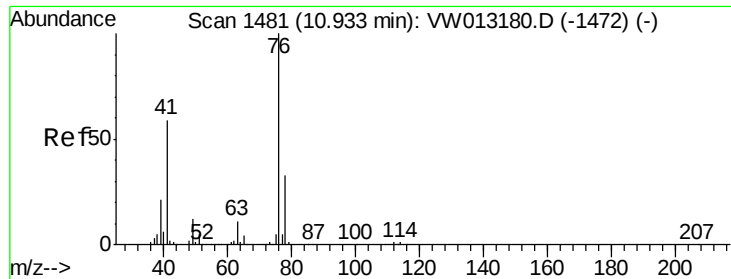
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 9/24/2019 5:28:53 AM



#56
 Ethyl methacrylate
 Concen: 22.685 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion:	69	Resp:	61366
Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.9	80.9
39	28.5	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.857 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampled :

VW0920SBS01

Tot Ion: 76 Resp: 75232

Ion Ratio Lower Upper

76 100

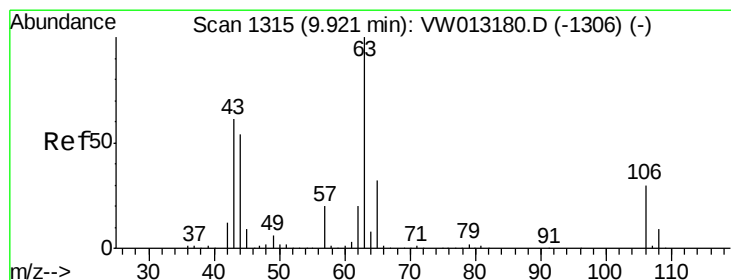
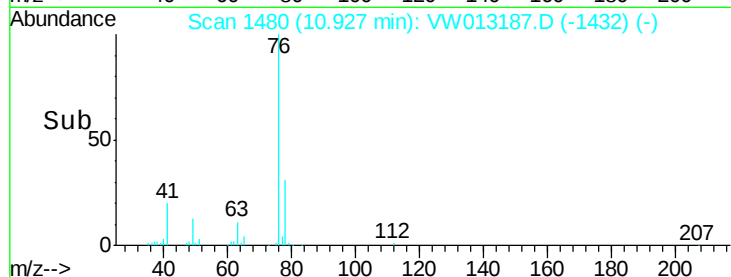
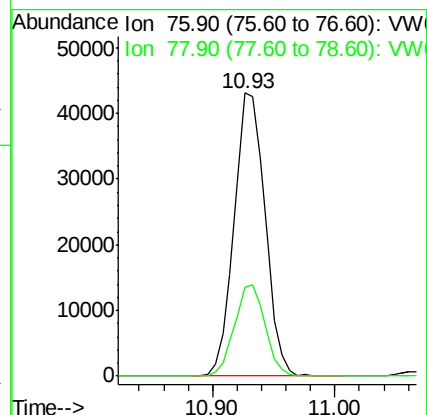
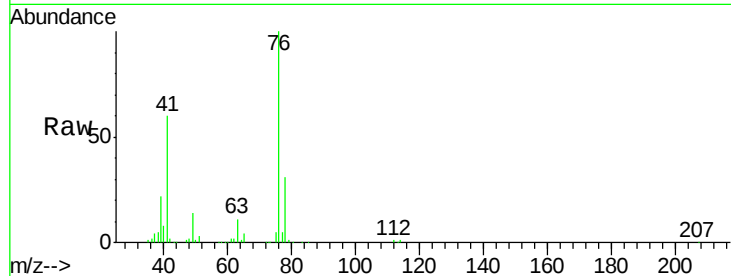
78 32.1 25.5 38.3

Manual Integrations

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9/24/2019 5:28:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 113.220 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013187.D

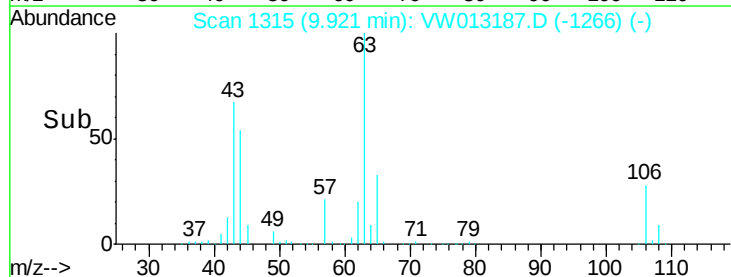
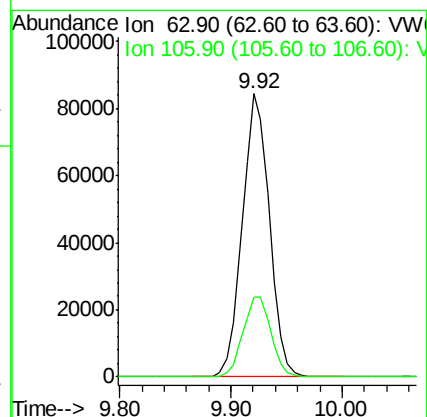
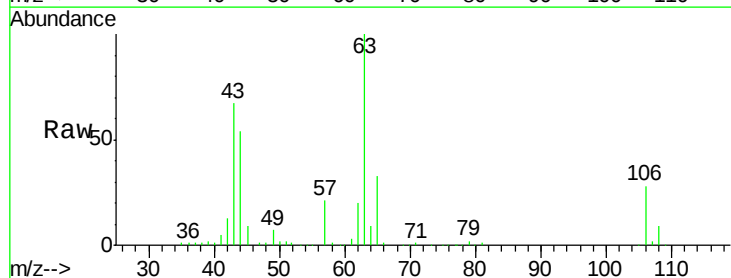
Acq: 20 Sep 2019 17:33

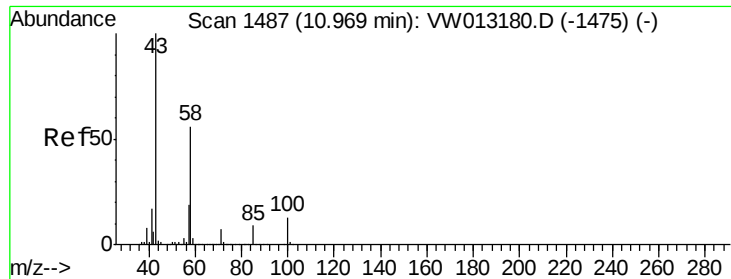
Tgt Ion: 63 Resp: 141787

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.0





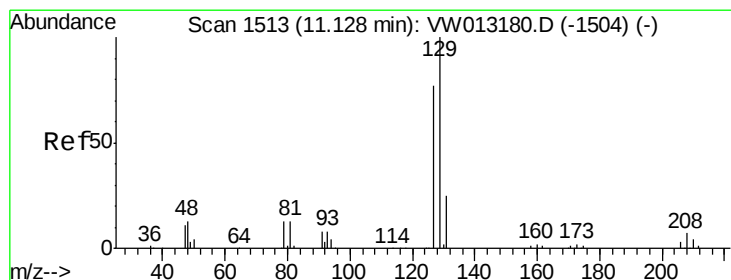
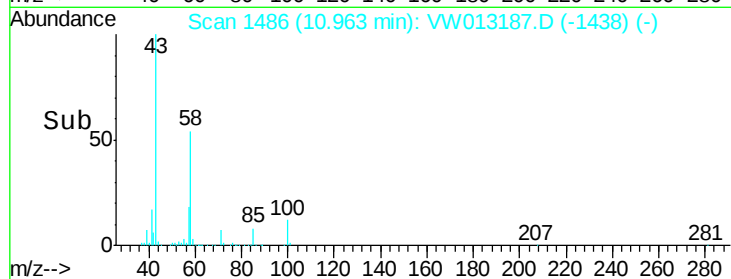
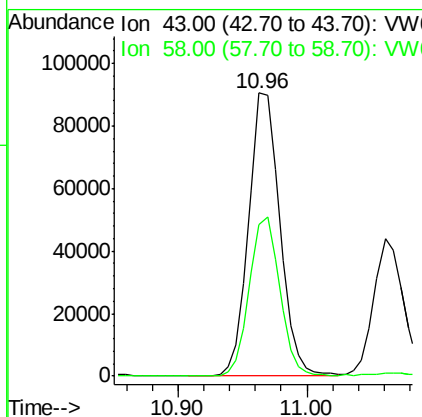
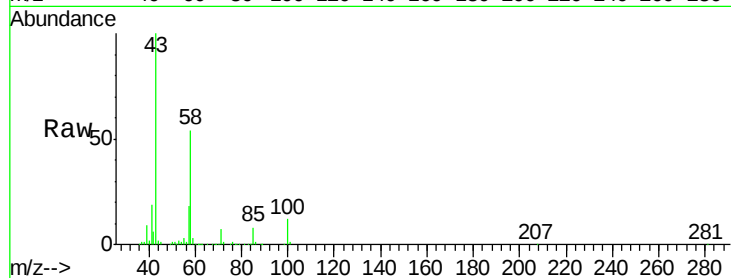
#59
2-Hexanone
Concen: 129.336 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion: 43 Resp: 151987
Ion Ratio Lower Upper
43 100
58 55.0 28.1 84.2

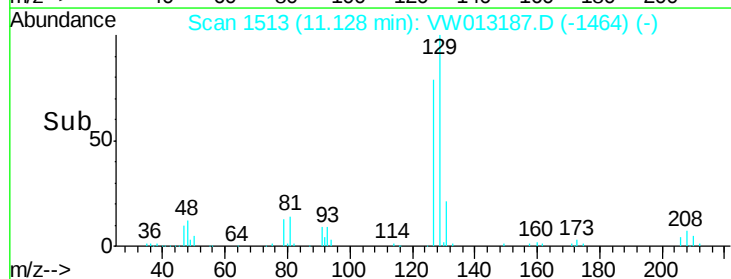
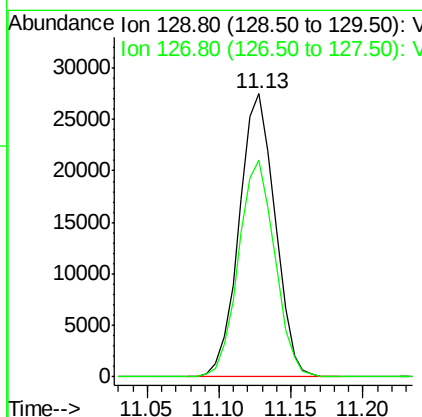
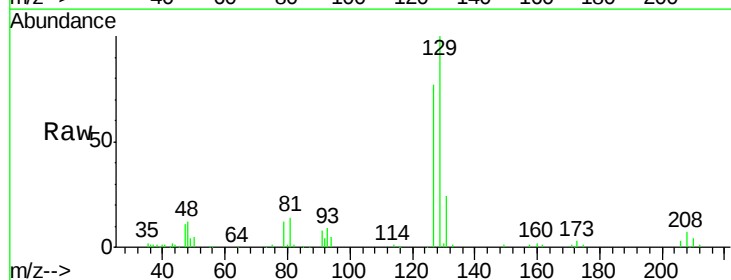
Manual Integrations
APPROVED

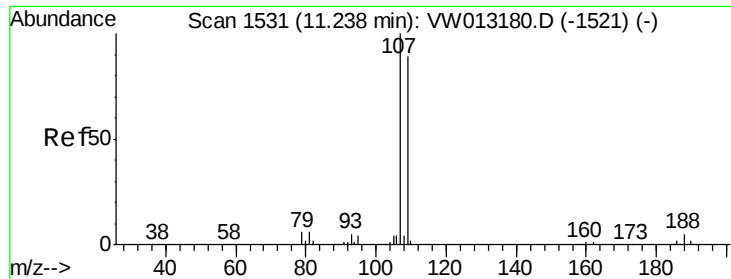
MMDadoda
9/24/2019 5:28:53 AM



#60
Dibromochloromethane
Concen: 20.230 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion: 129 Resp: 47481
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4





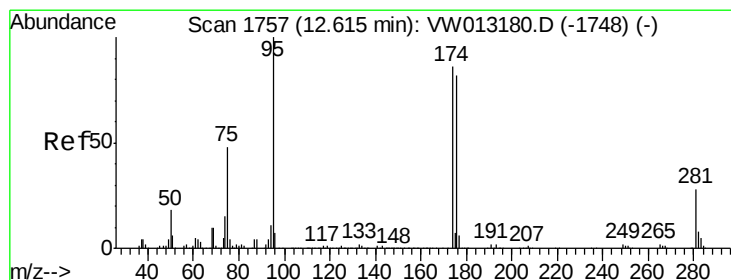
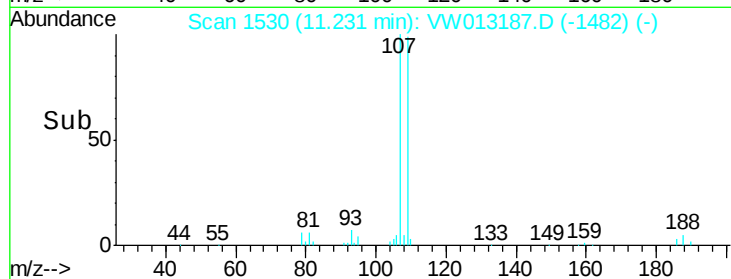
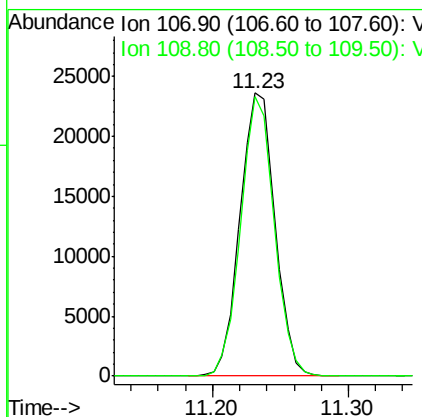
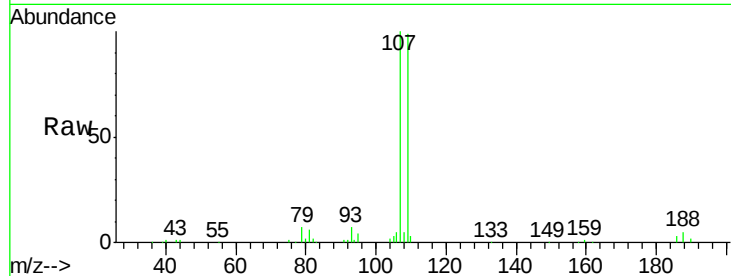
#61
 1,2-Dibromoethane
 Concen: 21.619 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion: 107 Resp: 42487
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.2 112.8

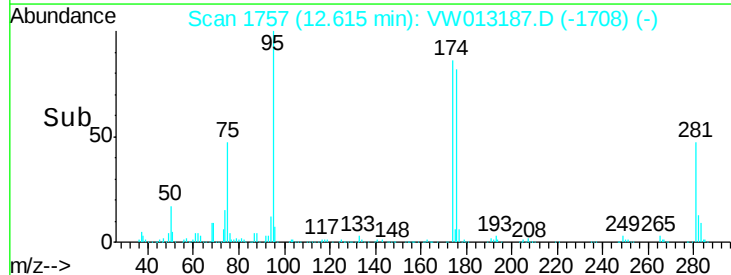
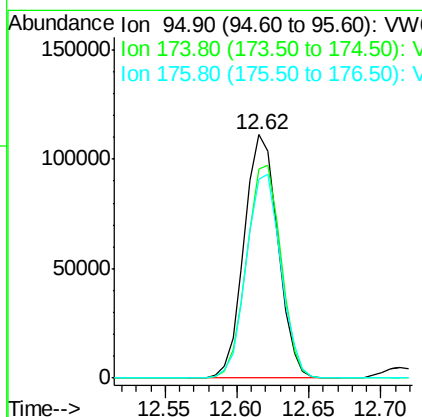
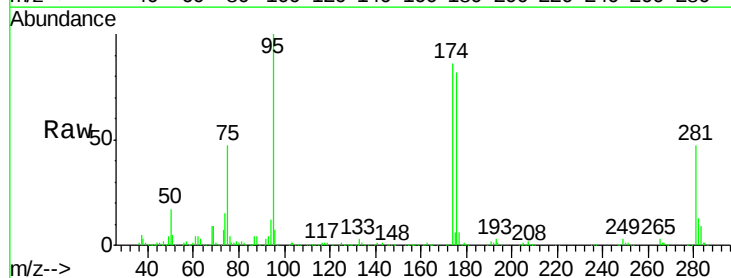
Manual Integrations
 APPROVED

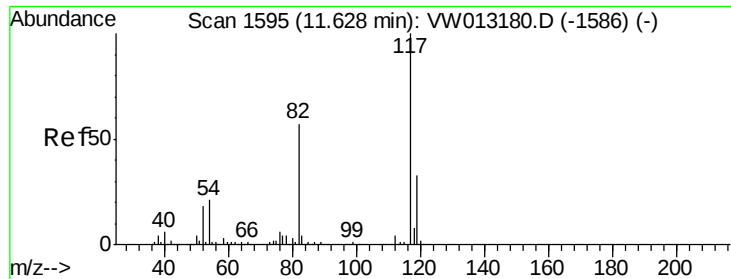
MMDadoda
 9/24/2019 5:28:53 AM



#62
 4-Bromofluorobenzene
 Concen: 53.065 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion: 95 Resp: 180184
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.4
 176 85.6 0.0 172.2





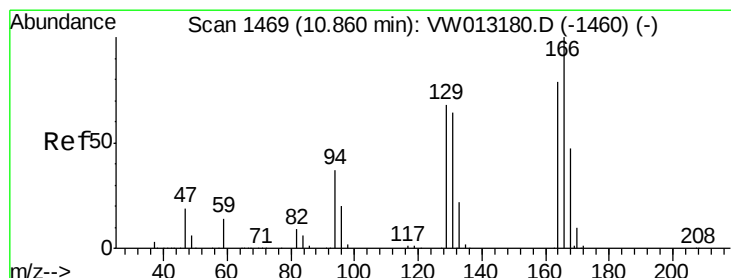
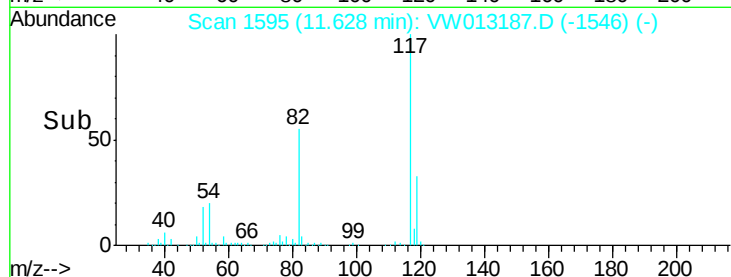
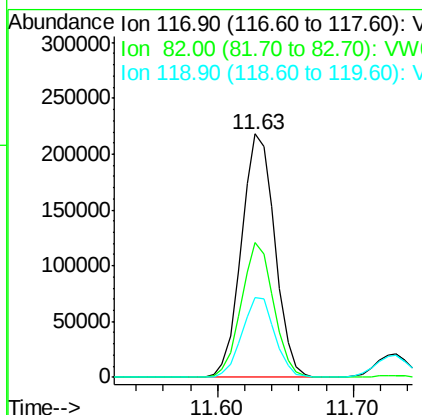
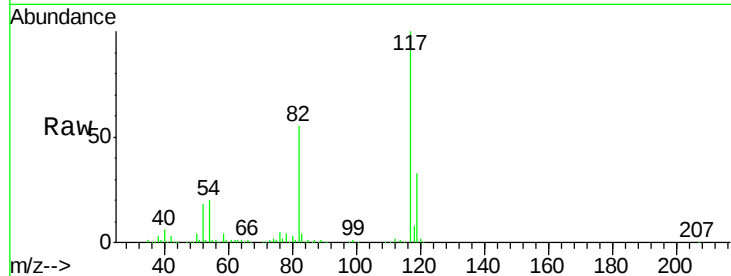
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	373568		
82	55.5	45.9	68.9	
119	32.7	26.2	39.2	

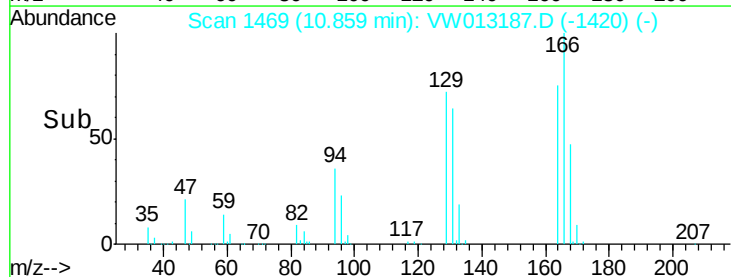
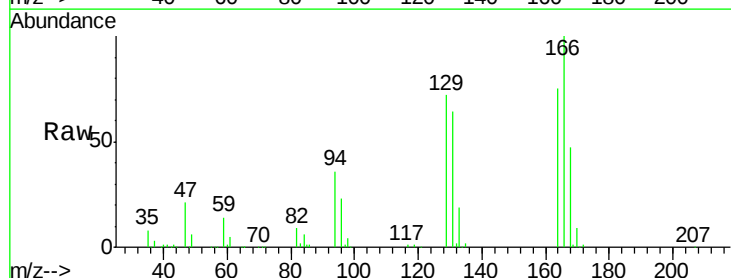
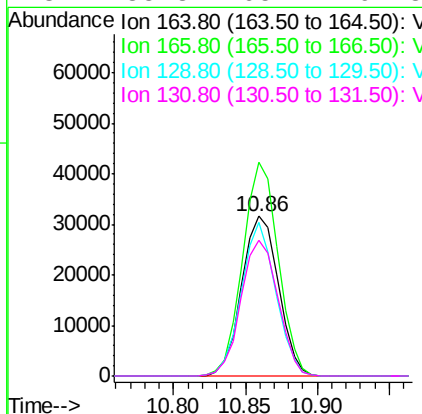
Manual Integrations
APPROVED

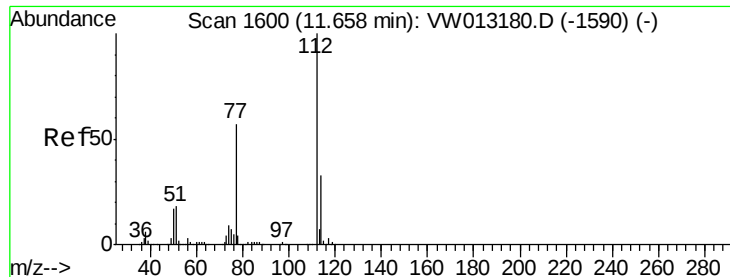
MMDadoda
9/24/2019 5:28:53 AM



#64
Tetrachloroethene
Concen: 19.790 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56094		
166	133.8	101.2	151.8	
129	96.4	68.8	103.2	
131	85.3	65.2	97.8	





#65

Chlorobenzene

Concen: 19.597 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion:112 Resp: 152873

Ion Ratio Lower Upper

112 100

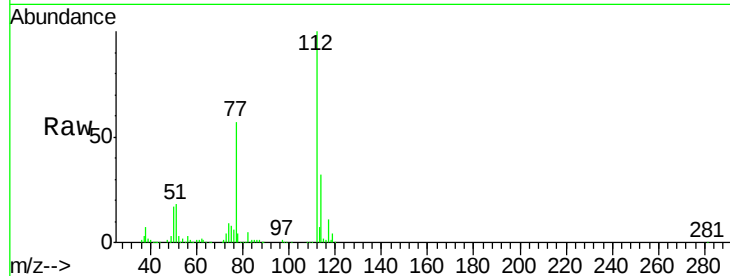
114 31.8 26.5 39.7

Manual Integrations

APPROVED

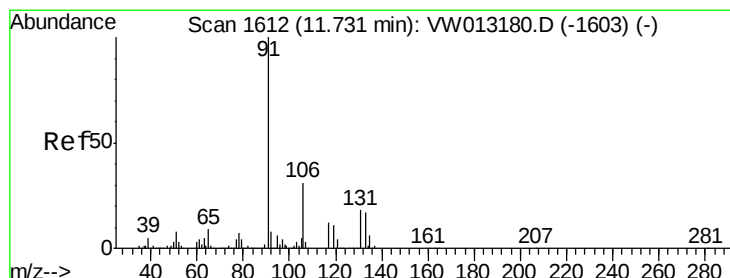
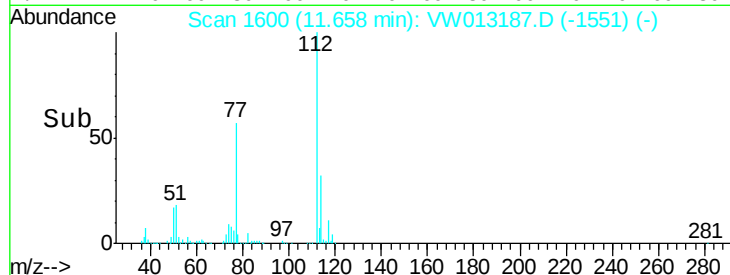
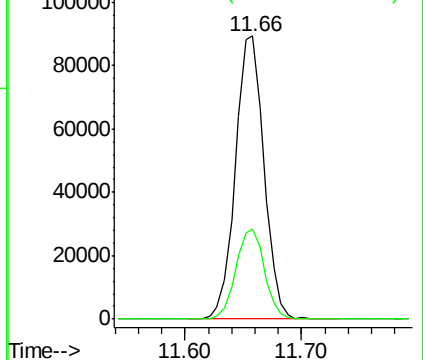
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.659 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

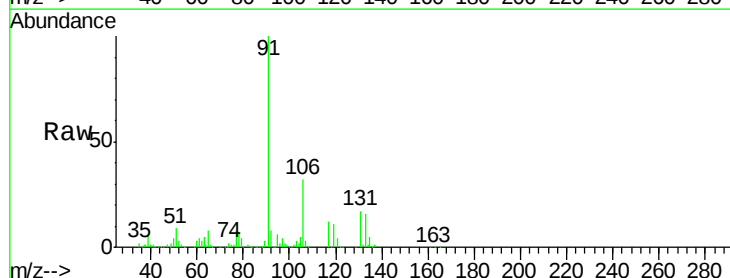
Tgt Ion:131 Resp: 52392

Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.6

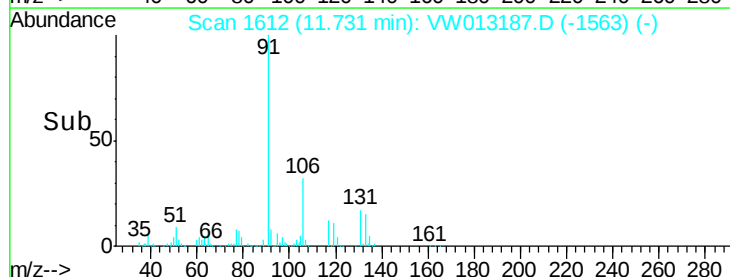
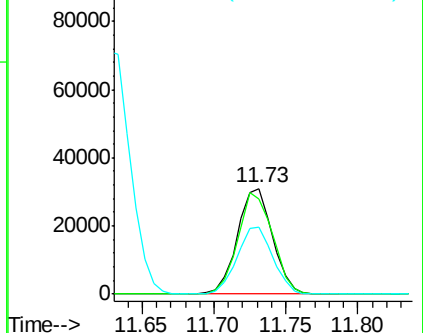
119 65.0 32.5 97.5

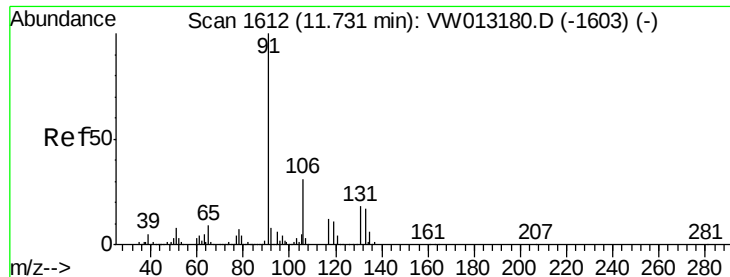


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





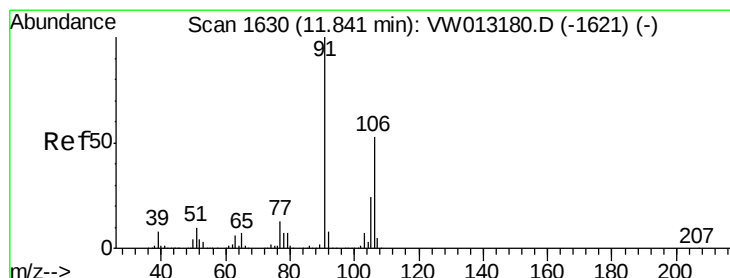
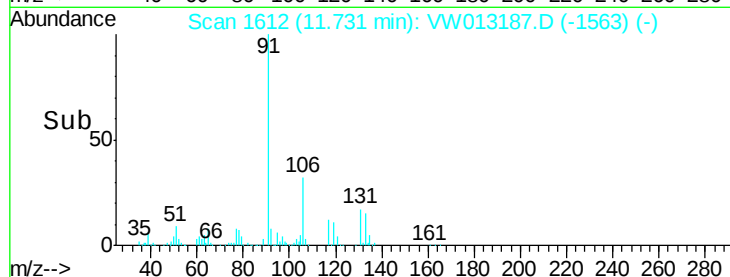
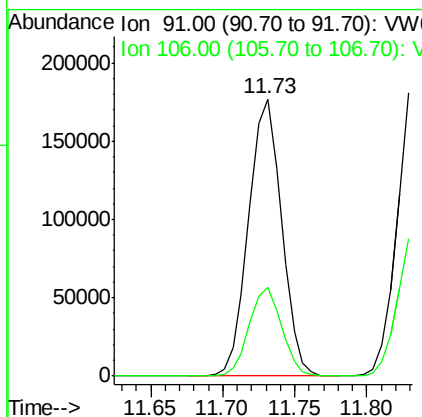
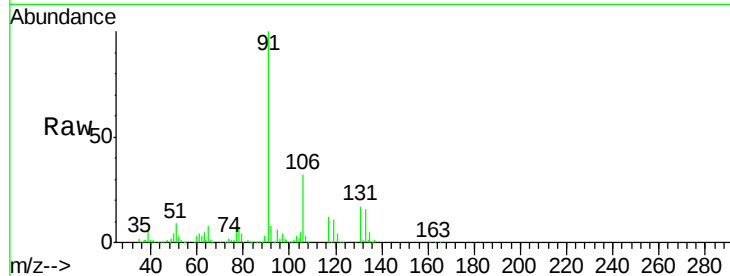
#67
Ethyl Benzene
Concen: 19.822 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.9	37.3

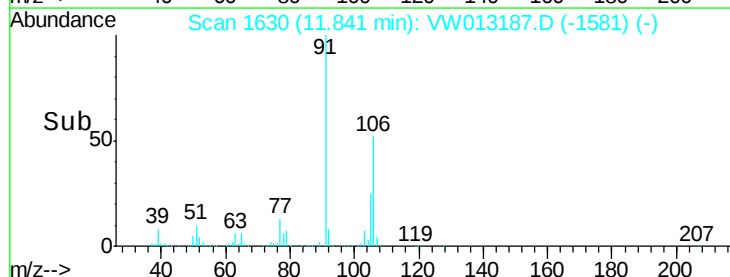
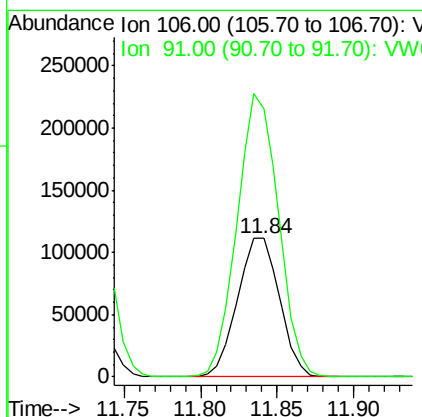
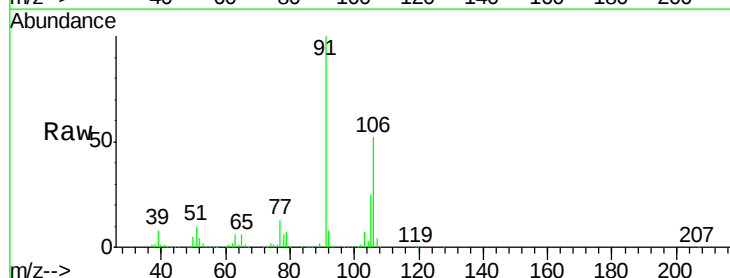
Manual Integrations
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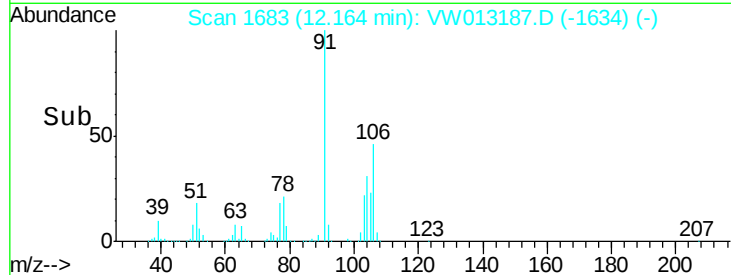
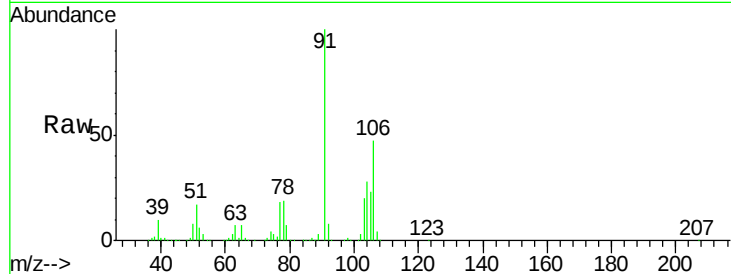
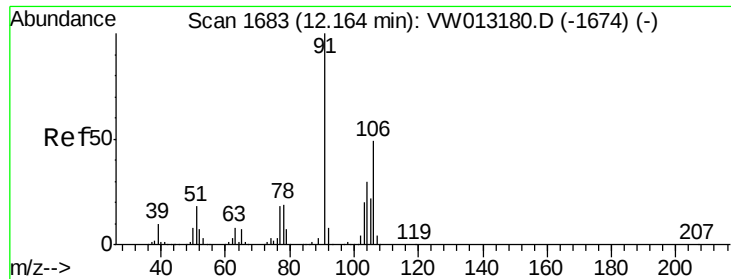
MMDadoda
9/24/2019 5:28:53 AM



#68
m/p-Xylenes
Concen: 39.613 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.3	157.9	236.9





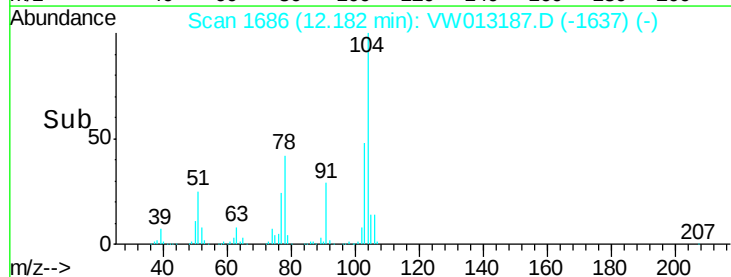
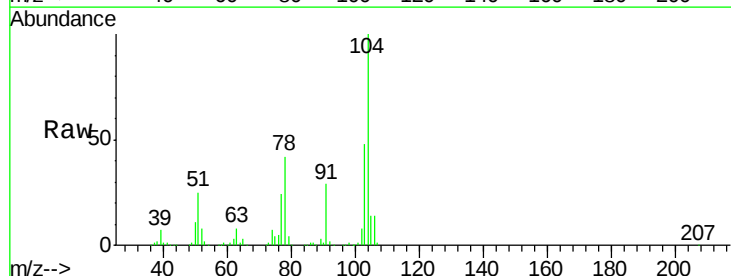
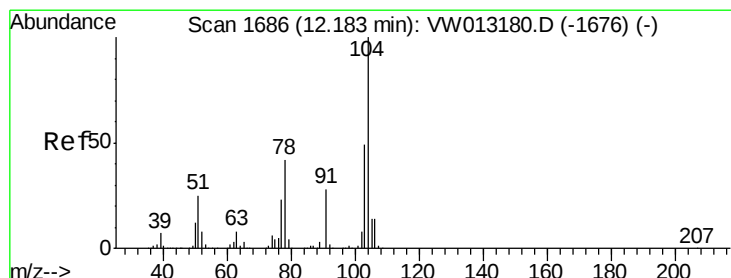
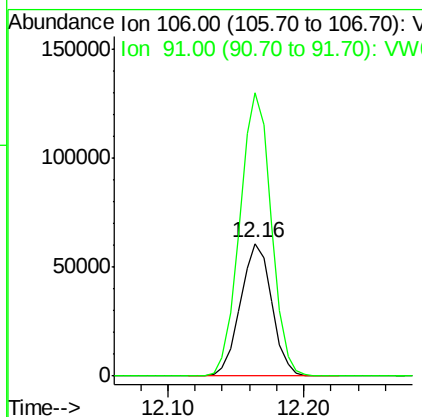
#69
o-Xylene
Concen: 19.632 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tot Ion	Ratio	Resp	Lower	Upper
106	100	98306		
91	212.9	106.5	319.5	

Instrument :
MSVOA_W
ClientSampled :
VW0920SBS01

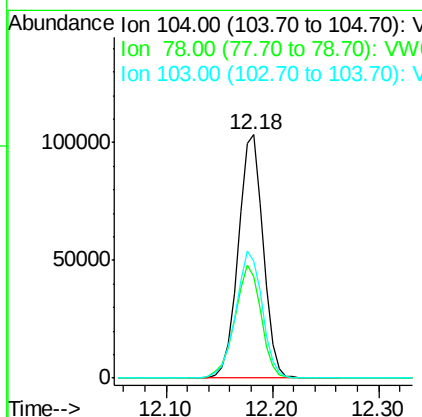
Manual Integrations
APPROVED

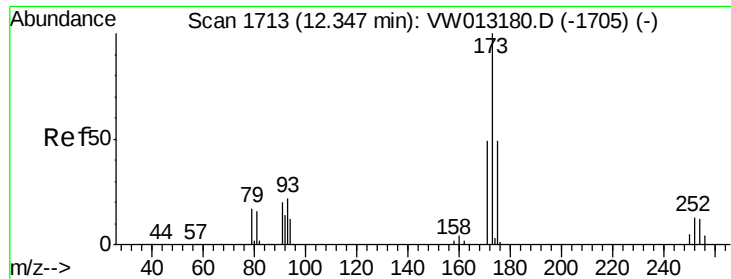
MMDadoda
9/24/2019 5:28:53 AM



#70
Styrene
Concen: 19.703 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	169388		
78	49.0	38.4	57.6	
103	55.5	43.3	64.9	





#71

Bromoform

Concen: 20.895 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

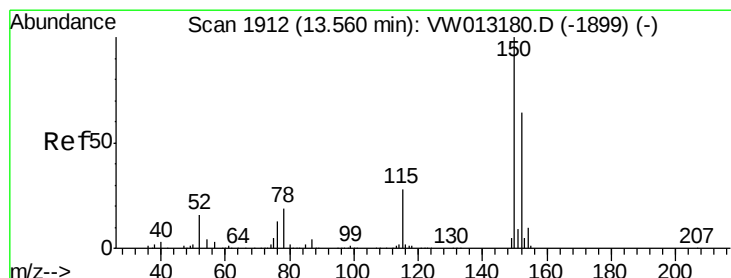
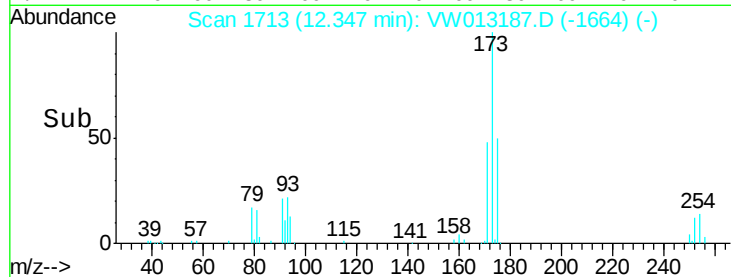
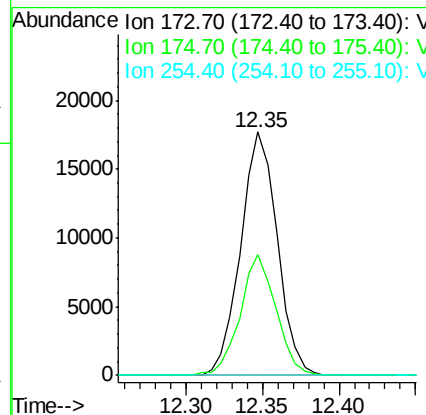
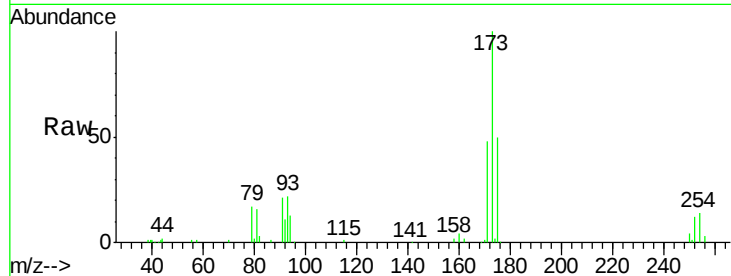
ClientSampleId :

VW0920SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

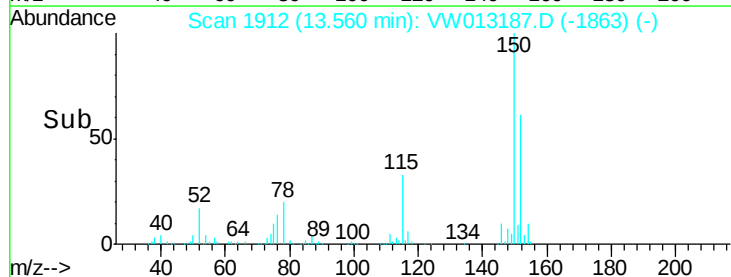
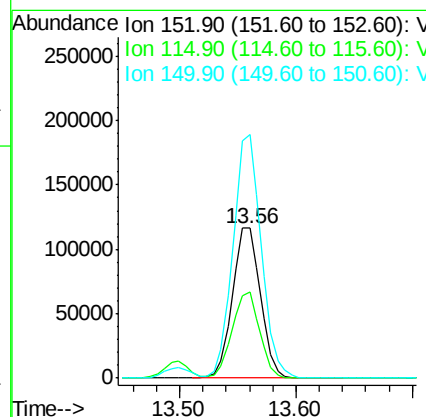
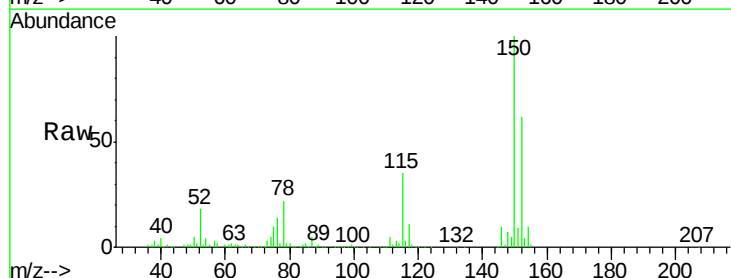
RT: 13.56 min Scan# 1912

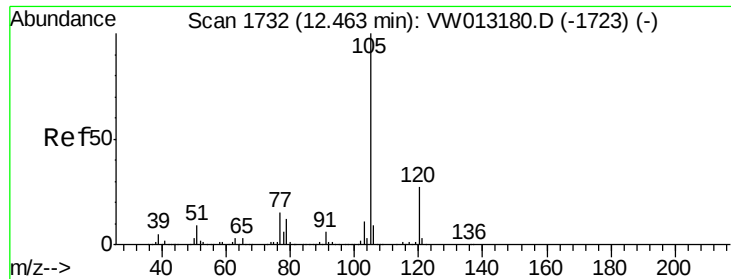
Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.3	81.9
150	163.6	0.0	349.0





#73

Isopropylbenzene

Concen: 19.497 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion:105 Resp: 280448

Ion Ratio Lower Upper

105 100

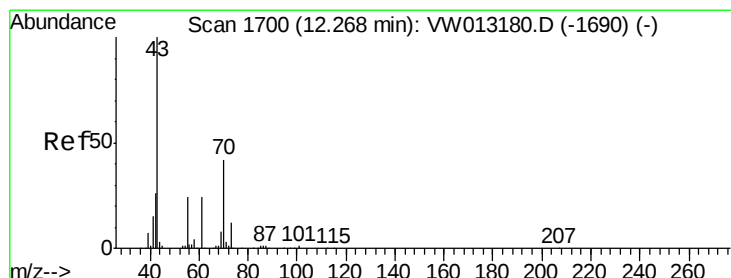
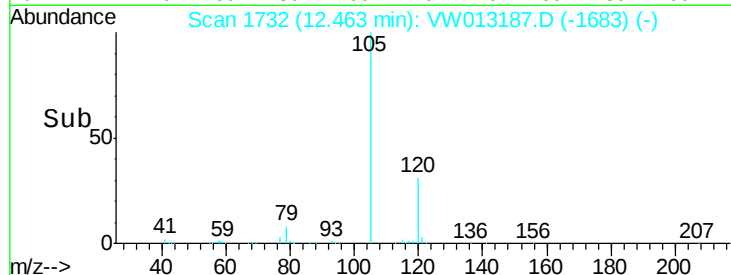
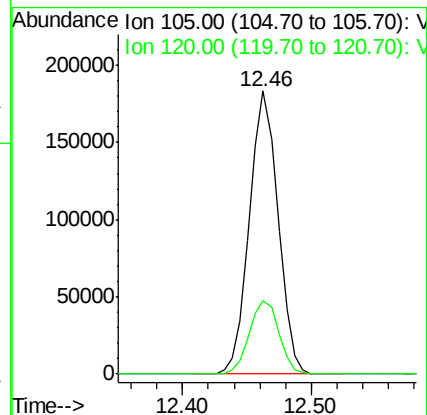
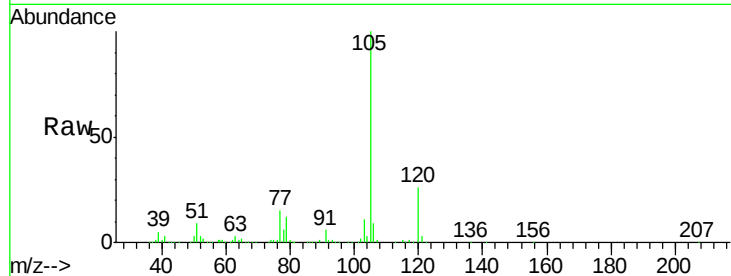
120 26.8 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.801 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion: 43 Resp: 72776

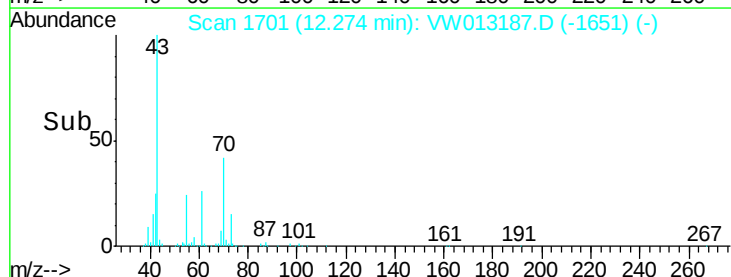
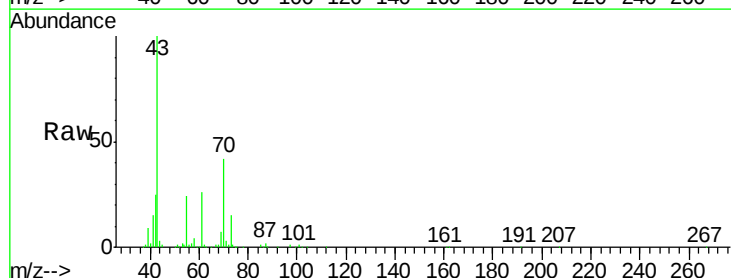
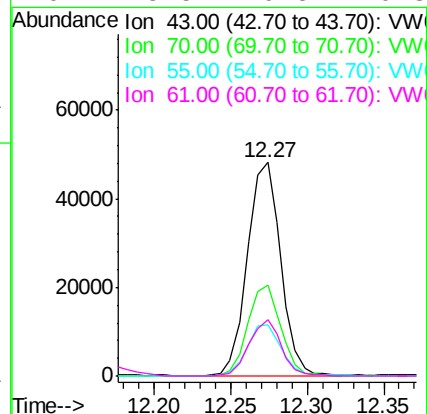
Ion Ratio Lower Upper

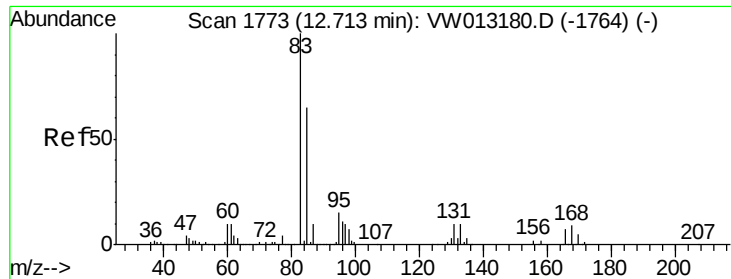
43 100

70 42.5 35.1 52.7

55 24.8 19.9 29.9

61 25.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.226 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

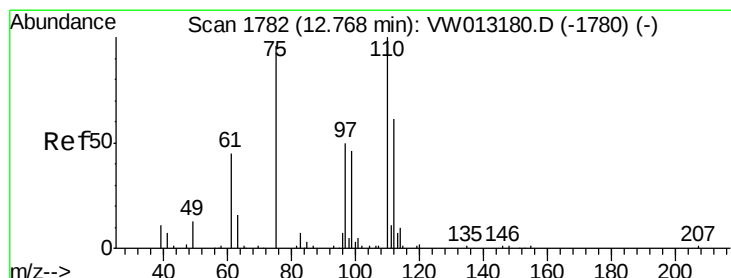
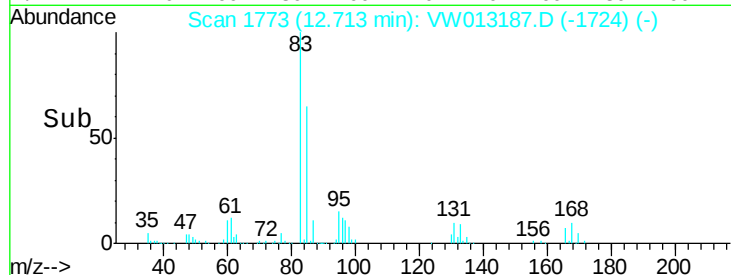
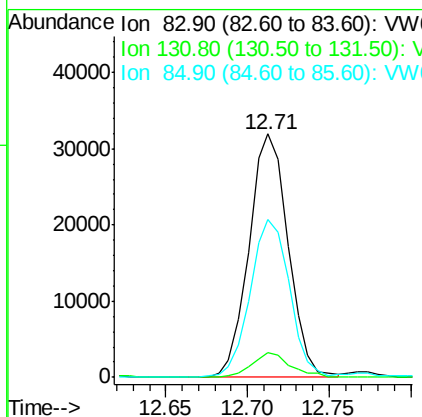
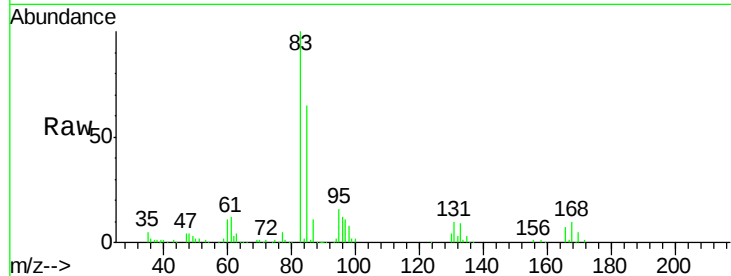
ClientSampleId :

VW0920SBS01

Tot Ion:	83	Resp:	53467
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.4	16.2
85	65.2	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:53 AM



#76

1,2,3-Trichloropropane

Concen: 24.091 ug/l m

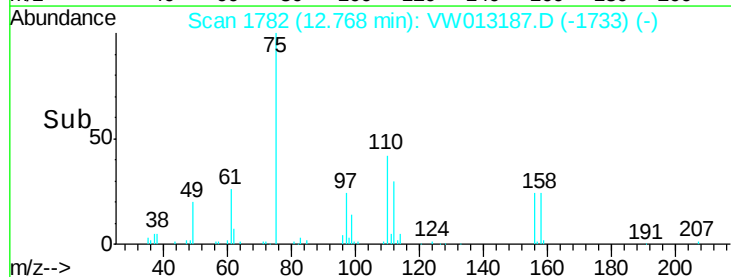
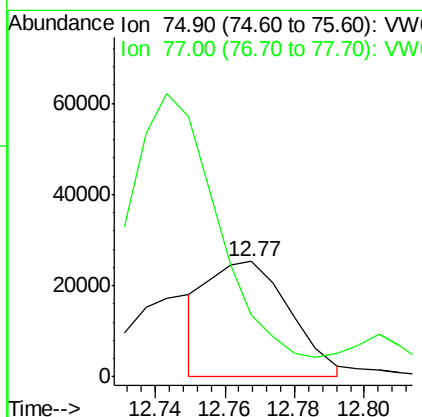
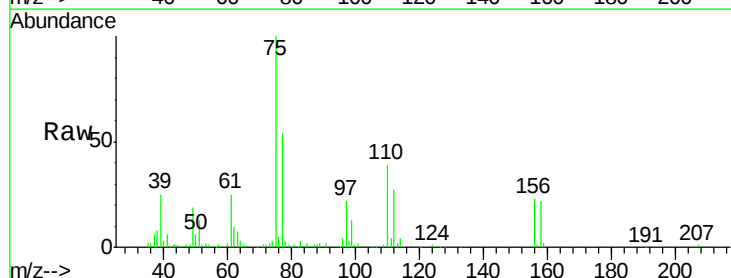
RT: 12.77 min Scan# 1782

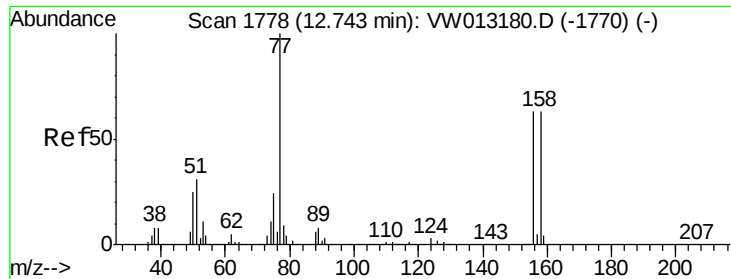
Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion:	75	Resp:	41427
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





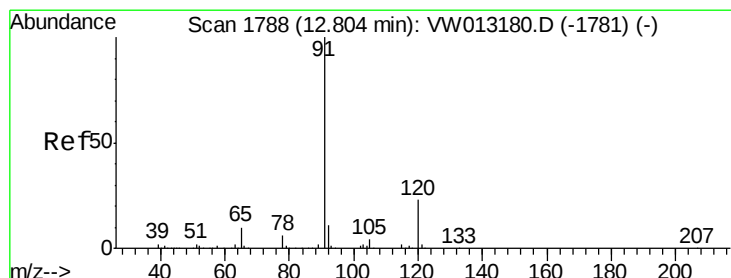
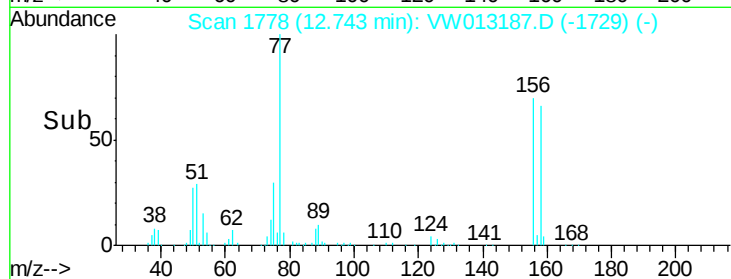
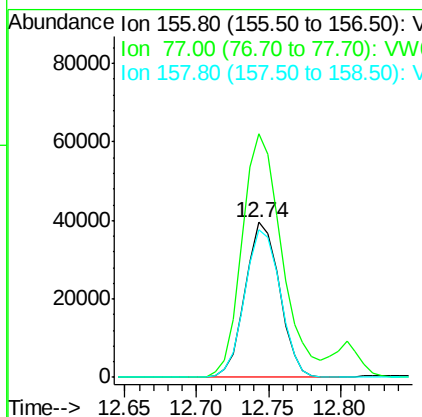
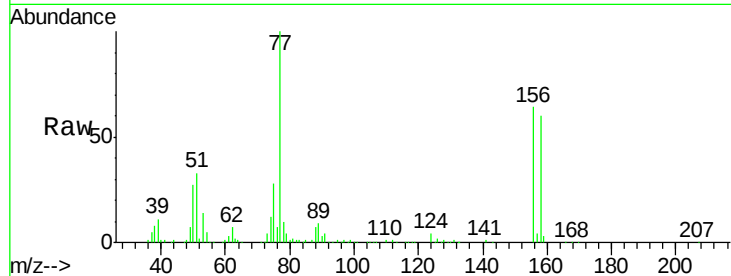
#77
Bromobenzene
Concen: 19.225 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.9	85.7	257.1
158	98.0	48.1	144.4

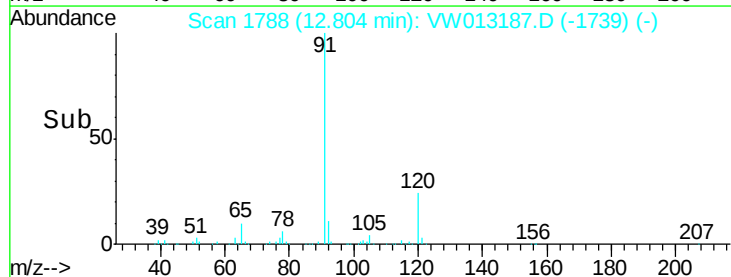
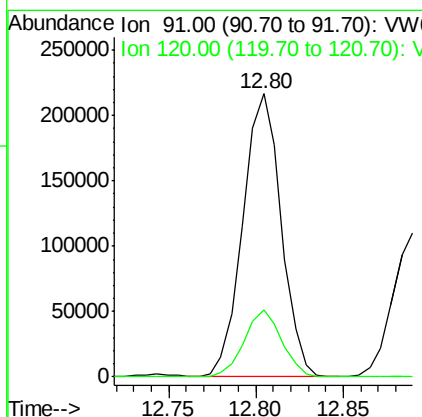
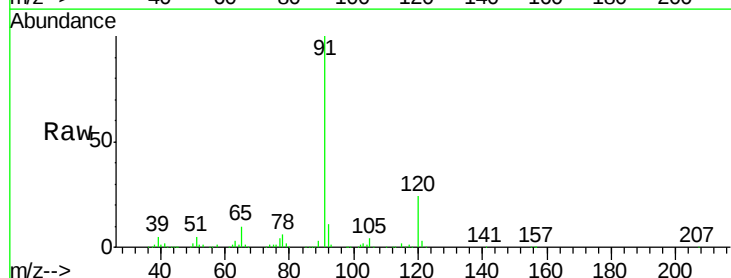
Manual Integrations
APPROVED

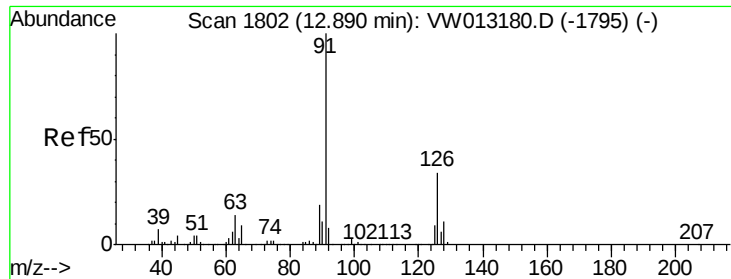
MMDadoda
9/24/2019 5:28:53 AM



#78
n-propylbenzene
Concen: 19.562 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 19.513 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion: 91 Resp: 184057

Ion Ratio Lower Upper

91 100

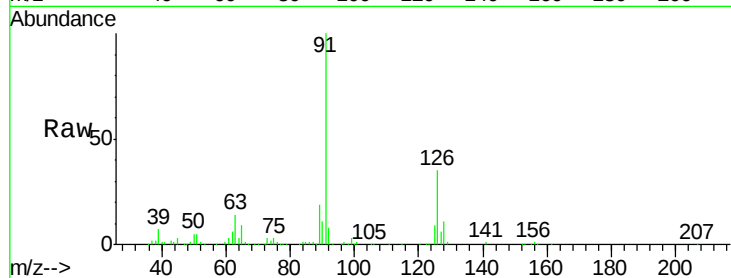
126 34.7 17.2 51.5

Manual Integrations

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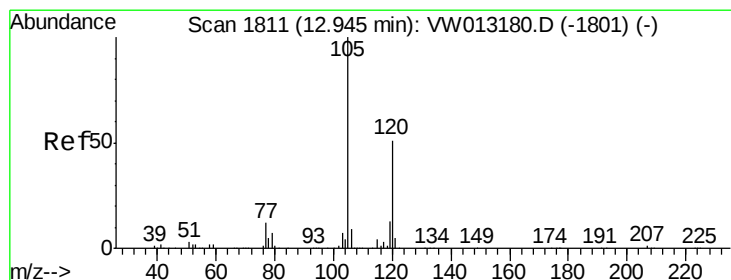
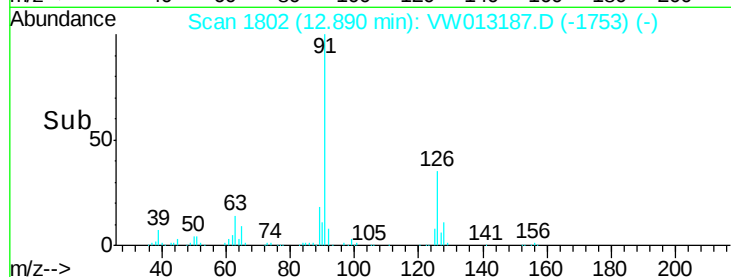
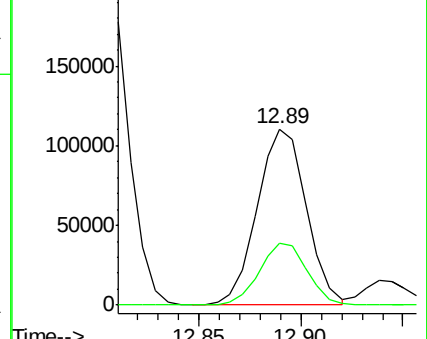
MMDadoda

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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: 19.637 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013187.D

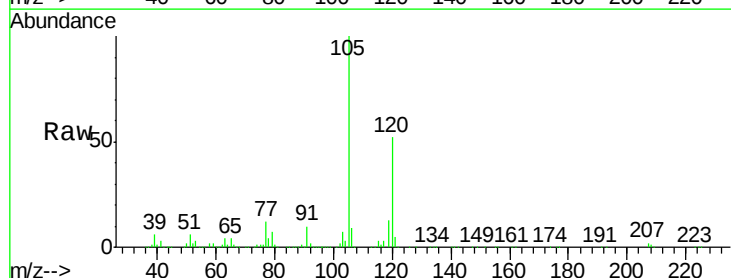
Acq: 20 Sep 2019 17:33

Tgt Ion:105 Resp: 237434

Ion Ratio Lower Upper

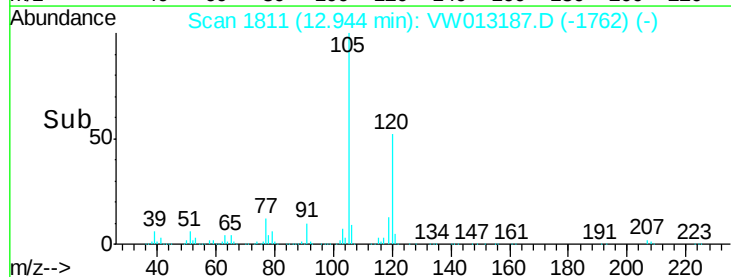
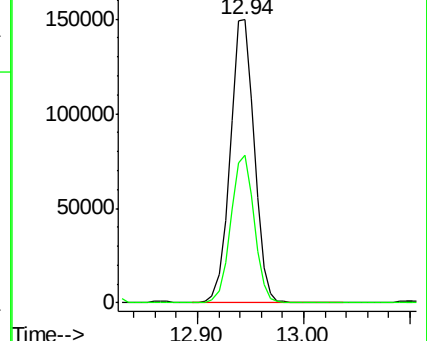
105 100

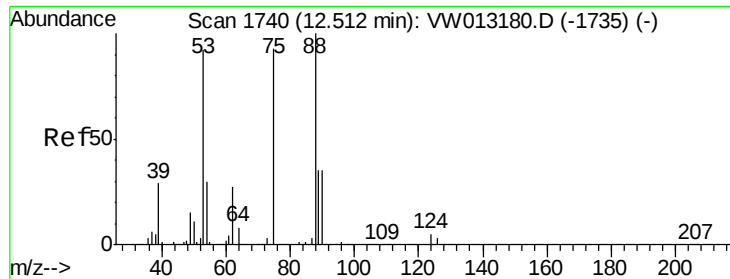
120 50.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





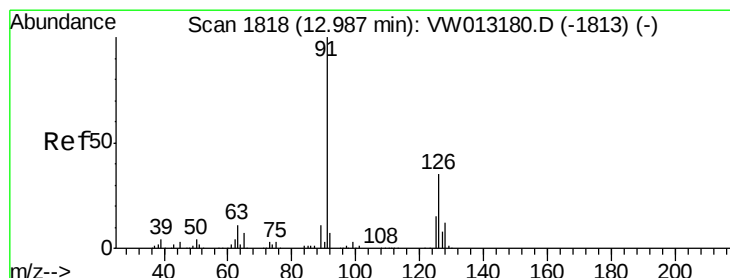
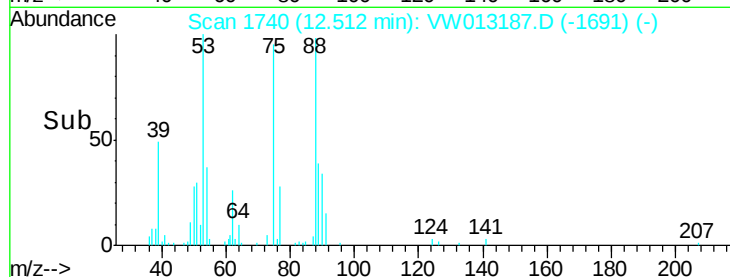
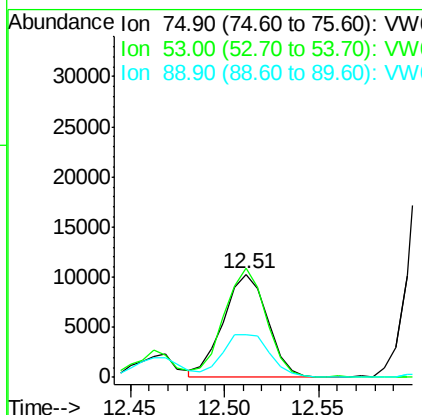
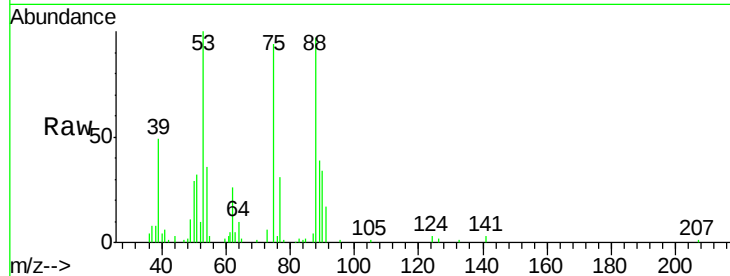
#81
trans-1,4-Dichloro-2-butene
Concen: 21.997 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	76.6	114.8
89	43.5	33.5	50.3

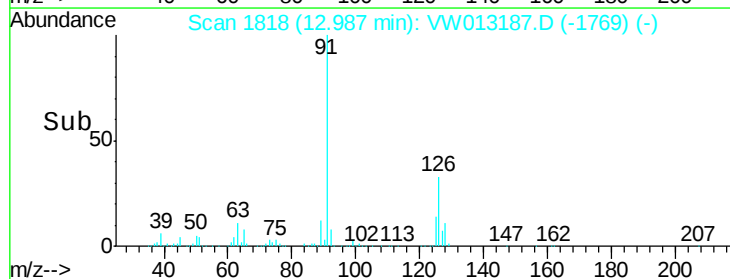
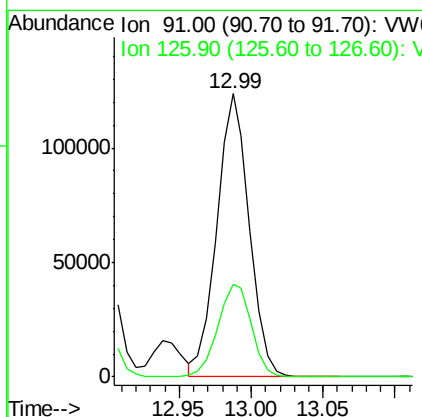
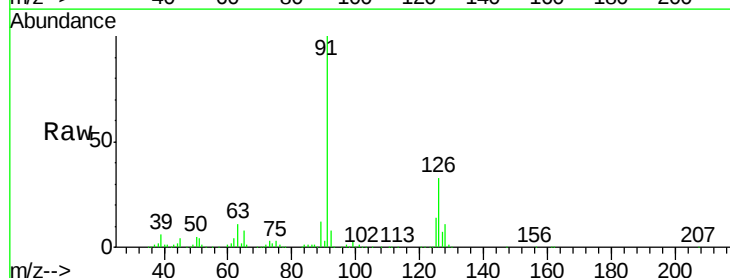
Manual Integrations
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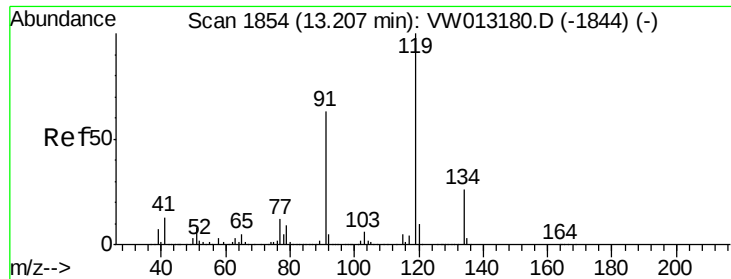
MMDadoda
9/24/2019 5:28:53 AM



#82
4-Chlorotoluene
Concen: 19.440 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	51.7





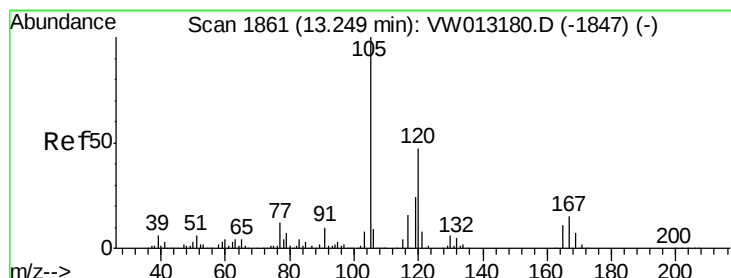
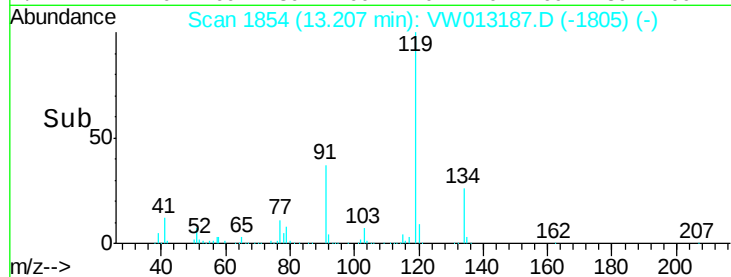
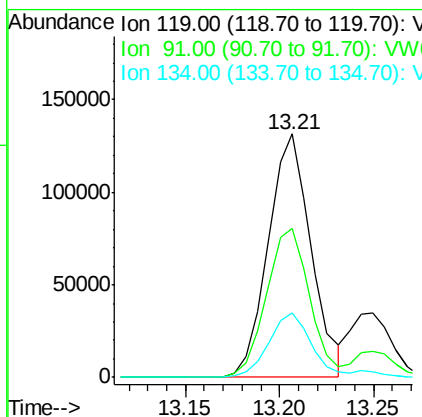
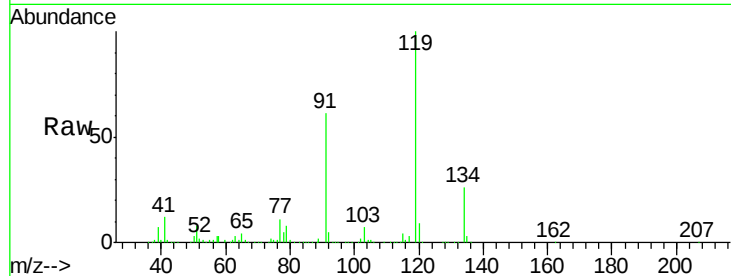
#83
 tert-Butylbenzene
 Concen: 19.598 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207985		
91	61.4		30.7	92.1
134	26.0		12.6	37.6

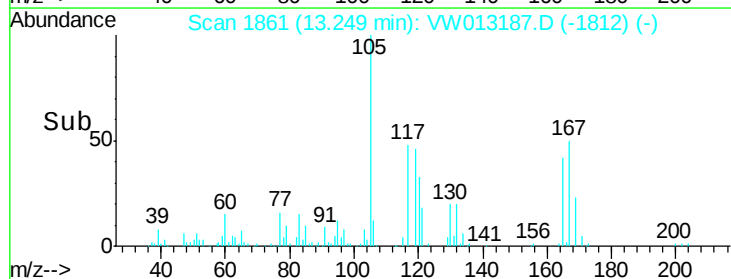
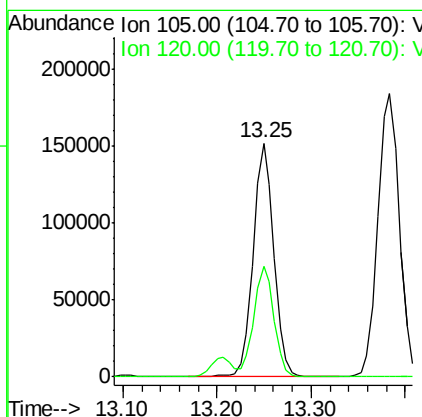
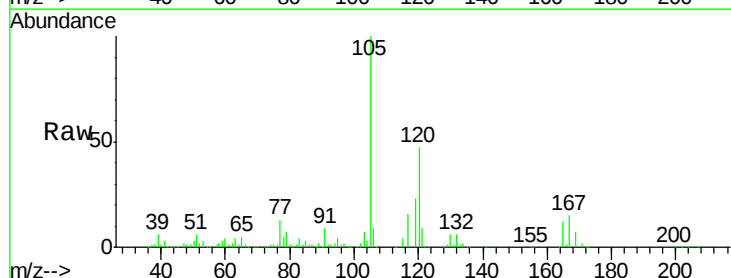
Manual Integrations
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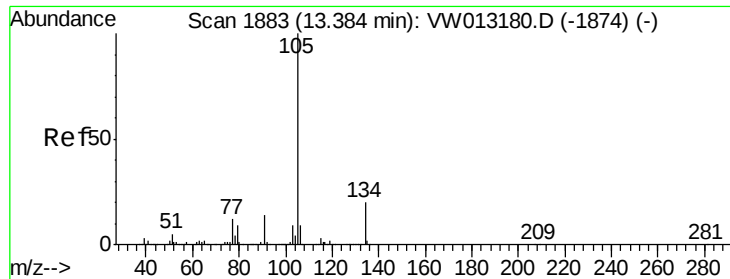
MMDadoda
 9/24/2019 5:28:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.550 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235228		
120	46.7		23.4	70.3





#85

sec-Butylbenzene

Concen: 19.877 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

VW0920SBS01

Tot Ion:105 Resp: 290834

Ion Ratio Lower Upper

105 100

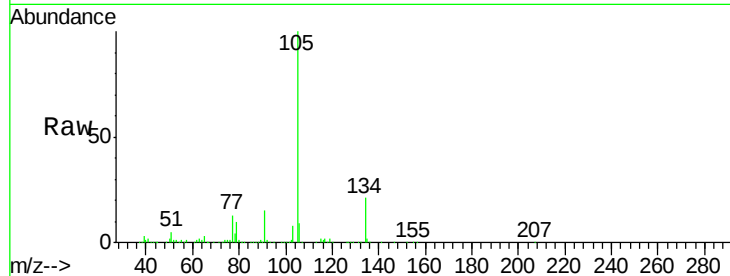
134 19.9 10.3 30.8

Manual Integrations

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MMDadoda

9/24/2019 5:28:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

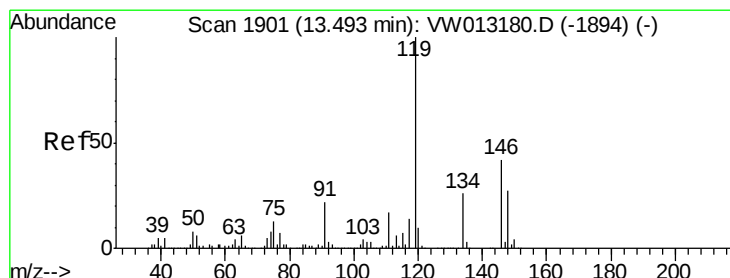
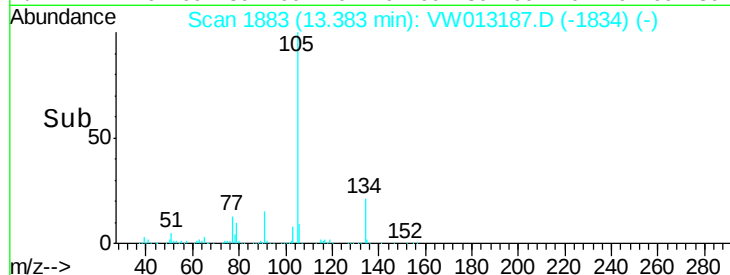
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.738 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

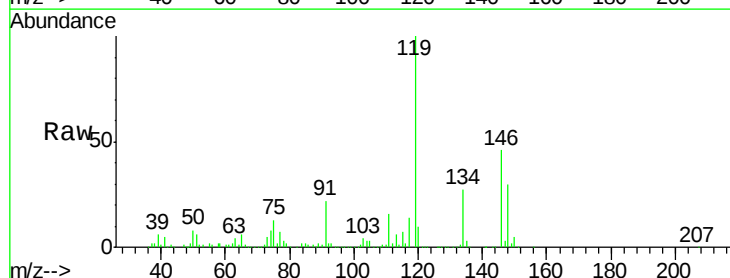
Tgt Ion:119 Resp: 267857

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.0 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

13.50

200000

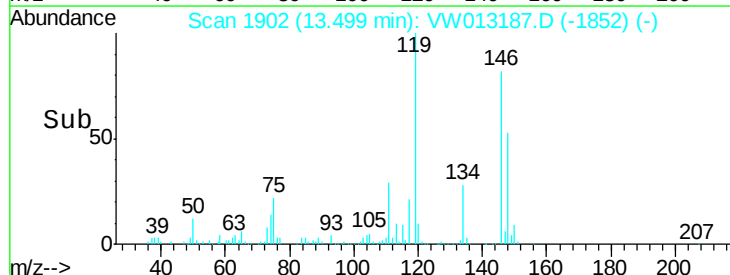
150000

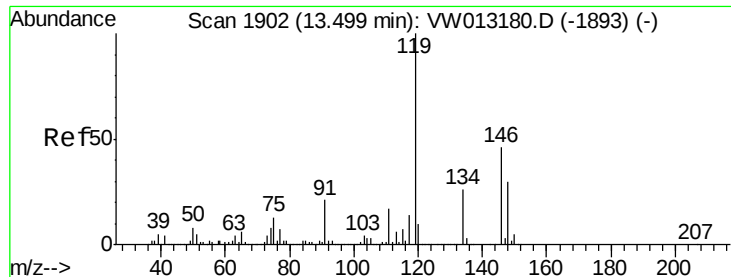
100000

50000

0

Time-->





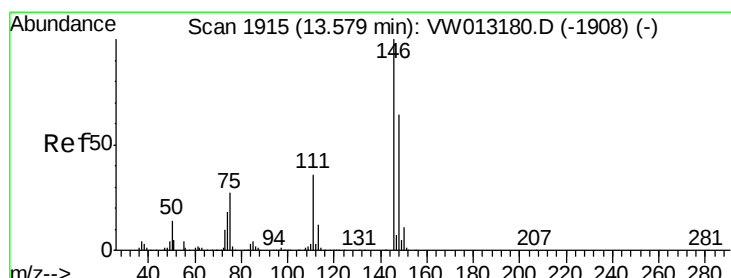
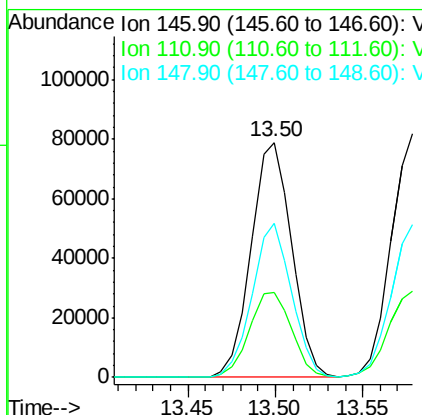
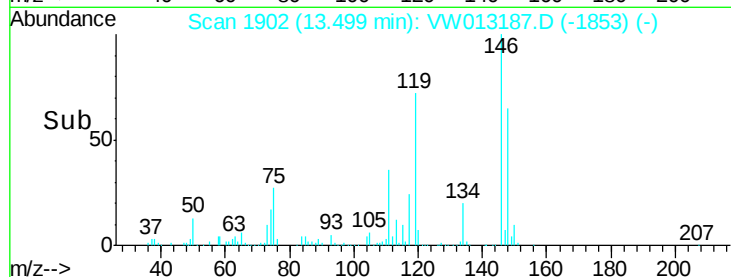
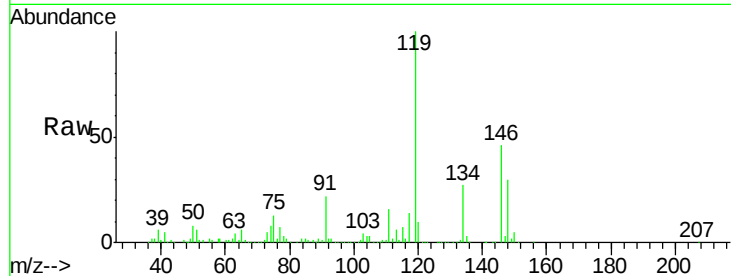
#87
 1,3-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.8	31.9	95.5

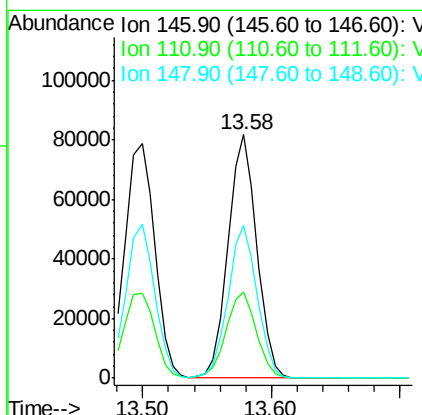
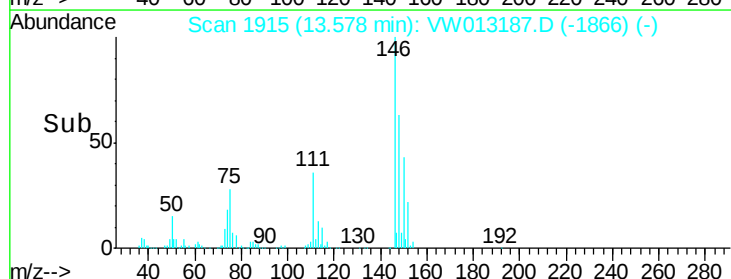
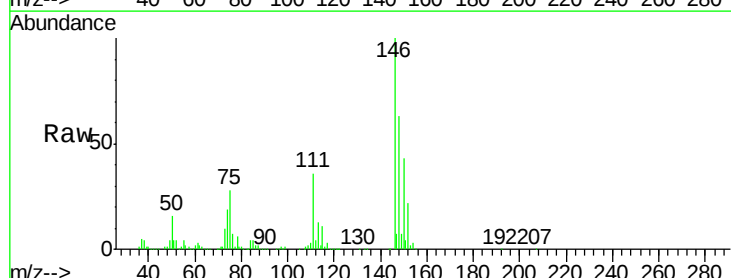
Manual Integrations
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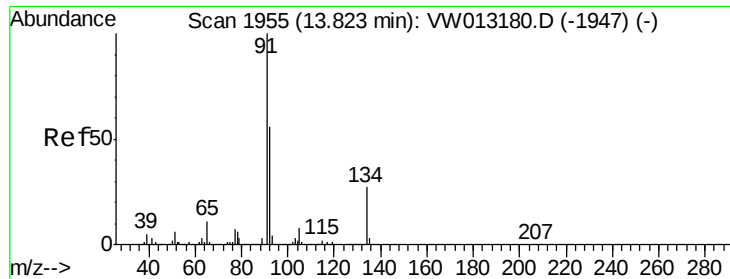
MMDadoda
 9/24/2019 5:28:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	63.8	32.1	96.3





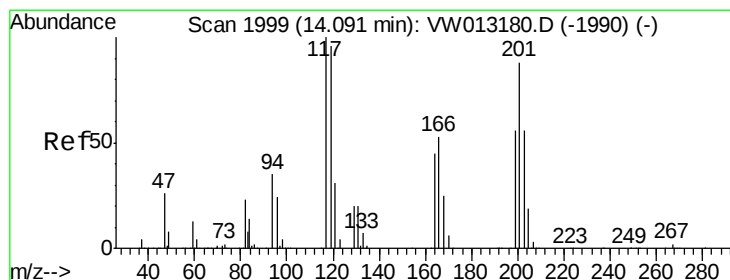
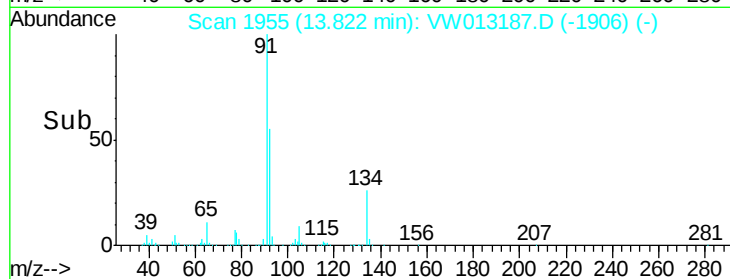
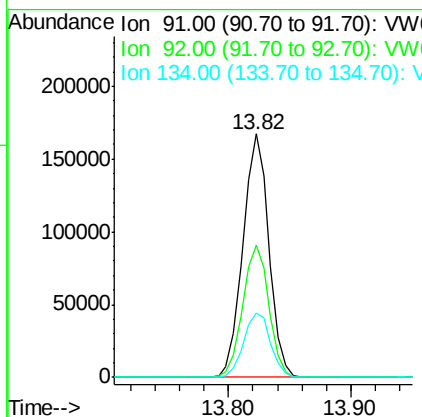
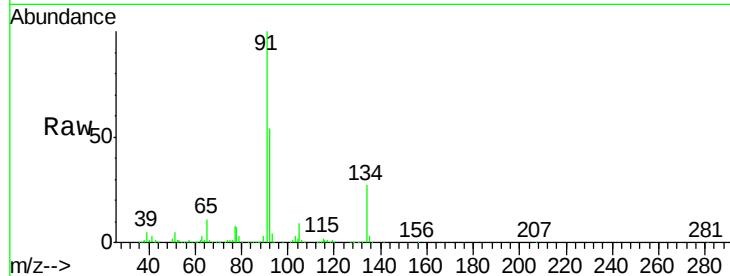
#89
n-Butylbenzene
Concen: 19.829 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	245717		
92	54.4	27.6	82.8	
134	27.4	13.7	41.1	

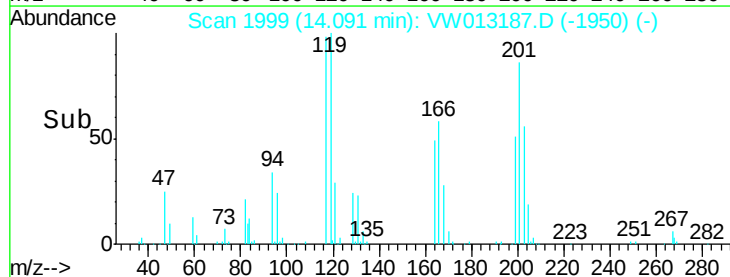
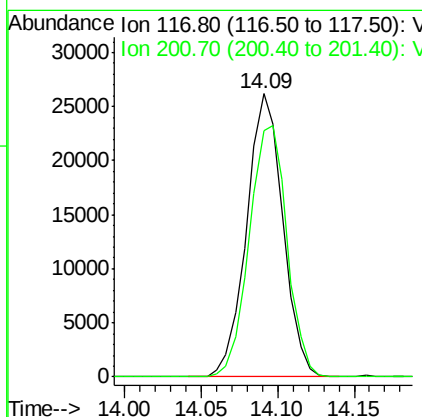
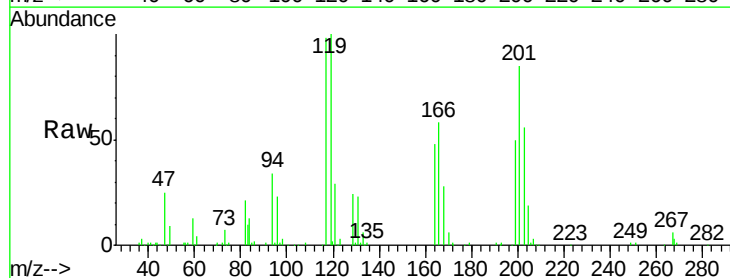
Manual Integrations
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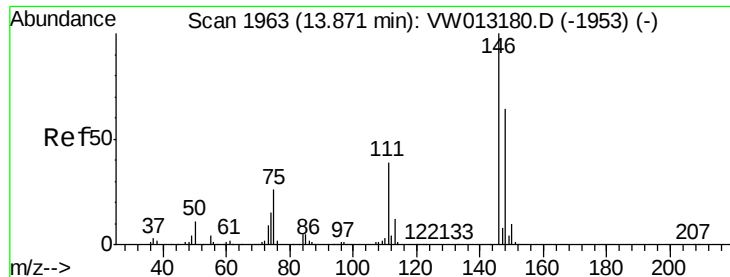
MMDadoda
9/24/2019 5:28:53 AM



#90
Hexachloroethane
Concen: 18.968 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013187.D
Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43242		
201	92.2	44.5	133.5	





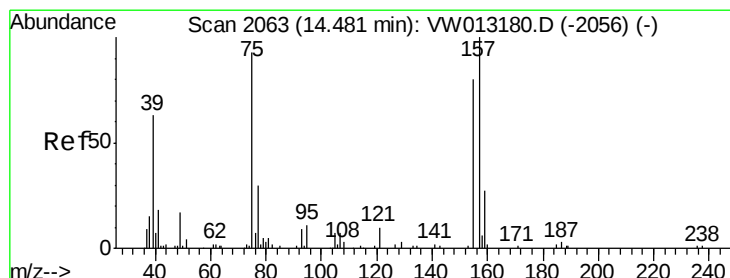
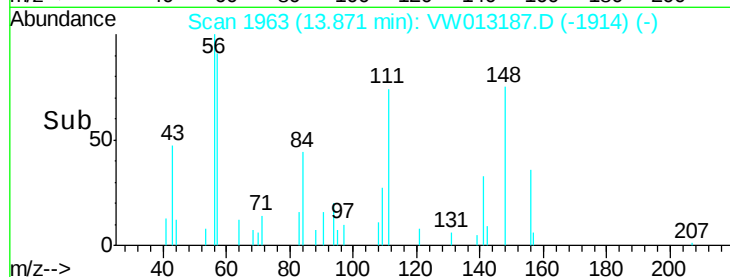
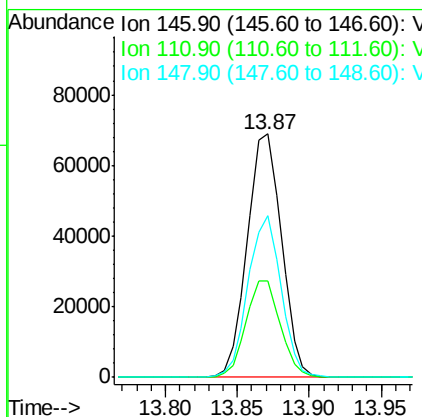
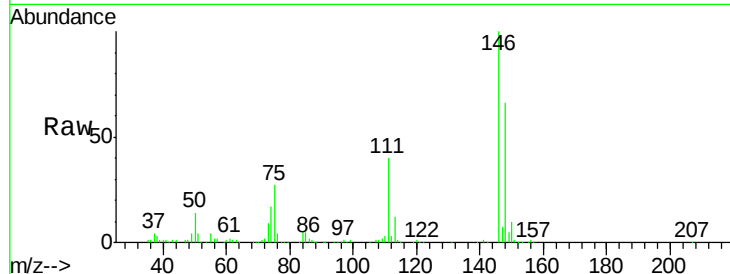
#91
 1,2-Dichlorobenzene
 Concen: 20.069 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	113897		
111	39.8	20.1	60.3	
148	63.6	32.0	96.0	

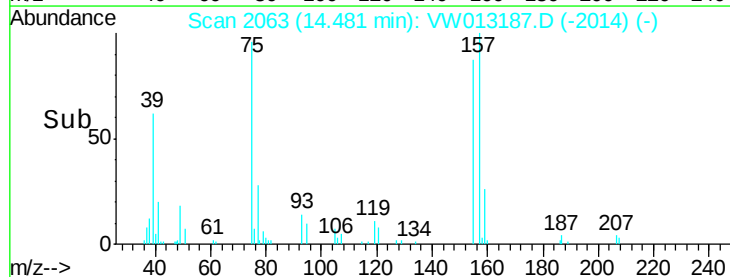
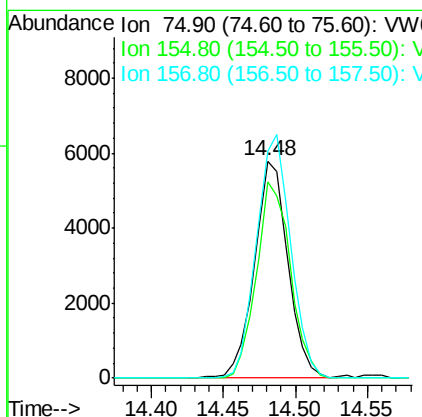
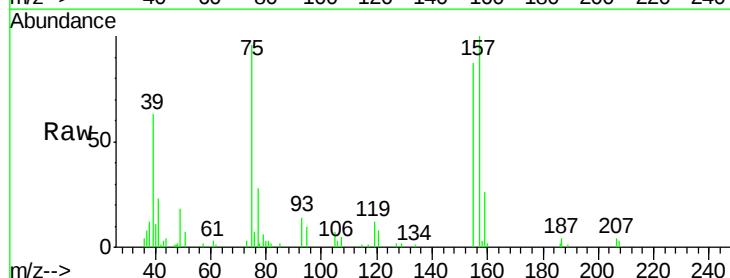
Manual Integrations
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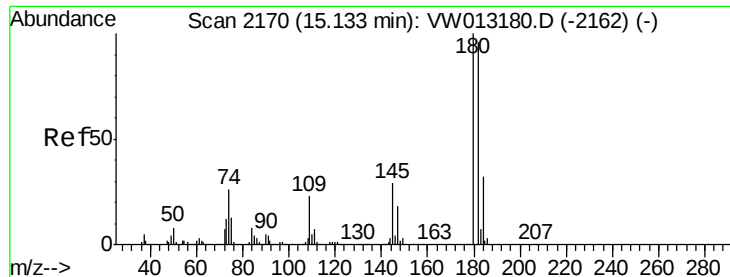
MMDadoda
 9/24/2019 5:28:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.272 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9299		
155	91.6	46.1	138.3	
157	114.1	60.4	181.2	





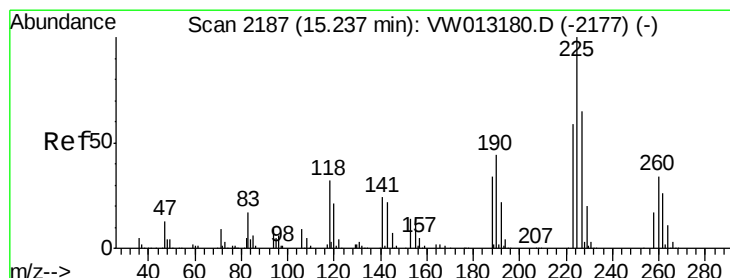
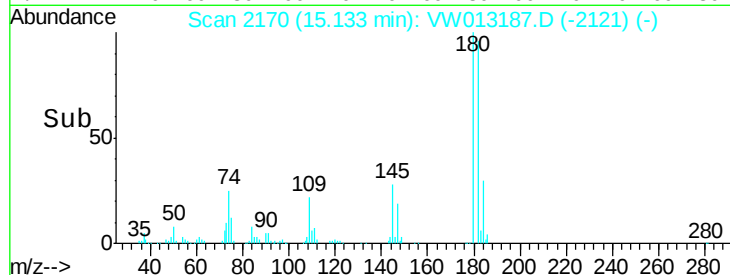
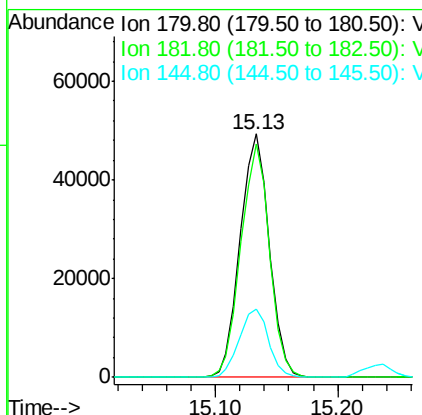
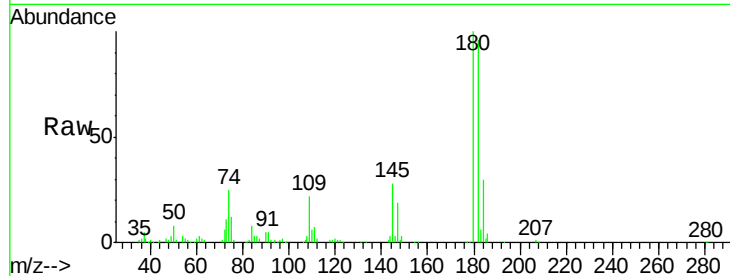
#93
 1,2,4-Trichlorobenzene
 Concen: 20.067 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.3	142.0	
145	28.3	14.2	42.8	

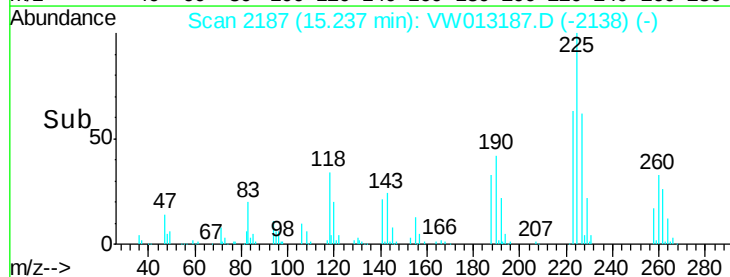
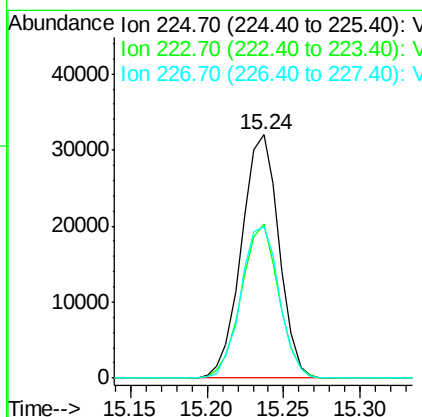
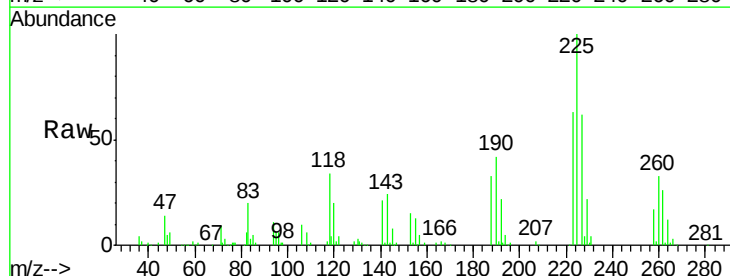
Manual Integrations
 APPROVED

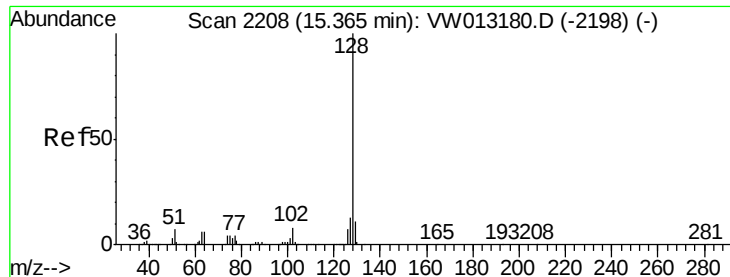
MMDadoda
 9/24/2019 5:28:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.503 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013187.D
 Acq: 20 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.6	91.8	
227	64.1	31.9	95.9	





#95

Naphthalene

Concen: 22.699 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Instrument :

MSVOA_W

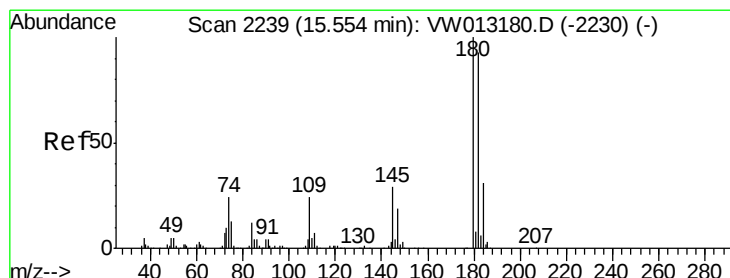
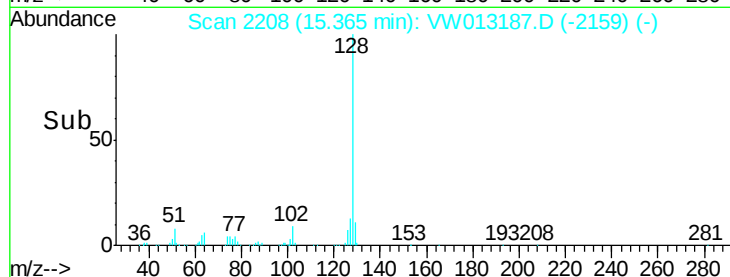
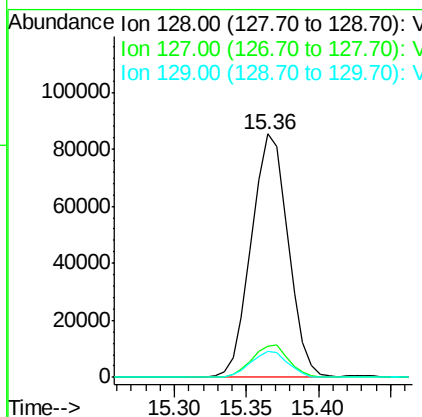
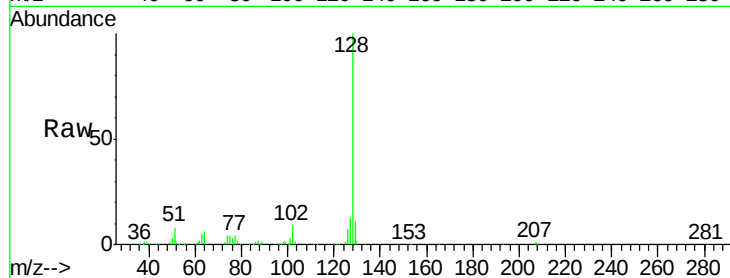
ClientSampleId :

VW0920SBS01

Tot Ion:	128	Resp:	150976
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/24/2019 5:28:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.413 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013187.D

Acq: 20 Sep 2019 17:33

Tgt Ion:	180	Resp:	71730
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	30.5	15.0	45.0

