

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013059.D
 Acq On : 17 Sep 2019 00:36
 Operator : SY/VA
 Sample : VW0916SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:22 PM

Quant Time: Sep 17 08:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	167545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121249	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.88	113	101128	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.32	98	415004	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.62	95	148043	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	25804	23.728	ug/l	87
3) Chloromethane	2.20	50	30492	21.774	ug/l	97
4) Vinyl Chloride	2.35	62	38607	20.867	ug/l	96
5) Bromomethane	2.76	94	22526	19.937	ug/l	93
6) Chloroethane	2.91	64	23459	20.674	ug/l	92
7) Trichlorofluoromethane	3.25	101	21131	16.333	ug/l	99
8) Diethyl Ether	3.68	74	22643	22.413	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40769	20.776	ug/l	99
10) Methyl Iodide	4.26	142	51231	20.861	ug/l	98
11) Tert butyl alcohol	5.19	59	25191m	147.539	ug/l	
12) 1,1-Dichloroethene	4.04	96	36828	20.641	ug/l	99
13) Acrolein	3.89	56	21540	118.713	ug/l	99
14) Allyl chloride	4.66	41	69535	20.529	ug/l	96
15) Acrylonitrile	5.36	53	68628	133.006	ug/l	99
16) Acetone	4.12	43	58955	102.257	ug/l	96
17) Carbon Disulfide	4.38	76	74114	20.844	ug/l	100
18) Methyl Acetate	4.67	43	43499	31.982	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	82619	23.458	ug/l	94
20) Methylene Chloride	4.92	84	45571	20.576	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	38878	20.345	ug/l	94
22) Diisopropyl ether	6.31	45	154701	21.985	ug/l	97
23) Vinyl Acetate	6.25	43	480045	113.902	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82533	20.343	ug/l	99
25) 2-Butanone	7.17	43	101654	133.913	ug/l	98
26) 2,2-Dichloropropane	7.16	77	53007	17.794	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	48707	21.290	ug/l	99
28) Bromochloromethane	7.51	49	36265	21.237	ug/l	100
29) Tetrahydrofuran	7.52	42	63239	146.210	ug/l	99
30) Chloroform	7.67	83	84383	20.470	ug/l	99
31) Cyclohexane	7.95	56	76302	22.735	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	68875	20.288	ug/l	98
36) 1,1-Dichloropropene	8.08	75	63935	20.977	ug/l	99
37) Ethyl Acetate	7.25	43	42410	26.215	ug/l	98
38) Carbon Tetrachloride	8.06	117	62844	20.120	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	75522	22.612	ug/l	98
40) Benzene	8.32	78	179411	21.085	ug/l	100
41) Methacrylonitrile	7.48	41	26472	24.847	ug/l	92
42) 1,2-Dichloroethane	8.40	62	60868	21.340	ug/l	97
43) Isopropyl Acetate	8.42	43	77330	24.895	ug/l	99
44) Trichloroethene	9.09	130	47149	20.230	ug/l	88
45) 1,2-Dichloropropane	9.37	63	48651	21.521	ug/l	98
46) Dibromomethane	9.46	93	24939	23.026	ug/l	99
47) Bromodichloromethane	9.64	83	62599	20.605	ug/l	99
48) Methyl methacrylate	9.43	41	37379	25.641	ug/l	96
49) 1,4-Dioxane	9.46	88	10227	563.525	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	220703	137.623	ug/l	100
52) Toluene	10.38	92	116763	21.596	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64344	21.059	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	75378	21.562	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	38326	23.229	ug/l	98
56) Ethyl methacrylate	10.65	69	55876	25.159	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69332	23.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	145723	122.318	ug/l	99
59) 2-Hexanone	10.97	43	152262	136.355	ug/l	100
60) Dibromochloromethane	11.13	129	42729	21.420	ug/l	96
61) 1,2-Dibromoethane	11.23	107	37173	24.697	ug/l	99
64) Tetrachloroethene	10.86	164	44317	22.211	ug/l	95
65) Chlorobenzene	11.65	112	123958	20.749	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	46366	20.252	ug/l	98
67) Ethyl Benzene	11.73	91	230524	20.893	ug/l	99
68) m/p-Xylenes	11.83	106	170103	42.202	ug/l	99
69) o-Xylene	12.16	106	80457	21.291	ug/l	100
70) Styrene	12.18	104	140561	20.910	ug/l	99
71) Bromoform	12.35	173	26905	22.373	ug/l #	98
73) Isopropylbenzene	12.46	105	236437	21.290	ug/l	99
74) N-amyl acetate	12.27	43	68730	24.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49862	25.564	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	39715m	27.062	ug/l	
77) Bromobenzene	12.74	156	54400	21.263	ug/l	98
78) n-propylbenzene	12.80	91	270351	20.696	ug/l	99
79) 2-Chlorotoluene	12.89	91	154731	20.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	197826	21.056	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15044	23.254	ug/l	98
82) 4-Chlorotoluene	12.99	91	164044	20.704	ug/l	99
83) tert-Butylbenzene	13.21	119	179003	21.301	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	192634	20.749	ug/l	98
85) sec-Butylbenzene	13.38	105	244212	21.330	ug/l	99
86) p-Isopropyltoluene	13.49	119	218884	20.823	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	103423	20.421	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	104876	21.072	ug/l	99
89) n-Butylbenzene	13.82	91	203547	20.532	ug/l	99
90) Hexachloroethane	14.09	117	38665	20.525	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	94247	21.161	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8712	24.401	ug/l	96

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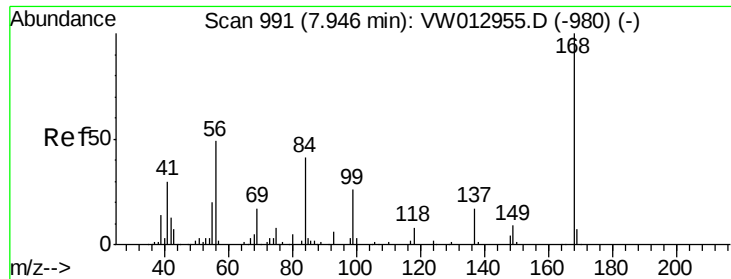
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65181	20.521	ug/l	99
94) Hexachlorobutadiene	15.24	225	45899	20.413	ug/l	98
95) Naphthalene	15.36	128	133306	25.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59567	21.215	ug/l	100

(#) = 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: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion:168 Resp: 258485

Ion Ratio Lower Upper

168 100

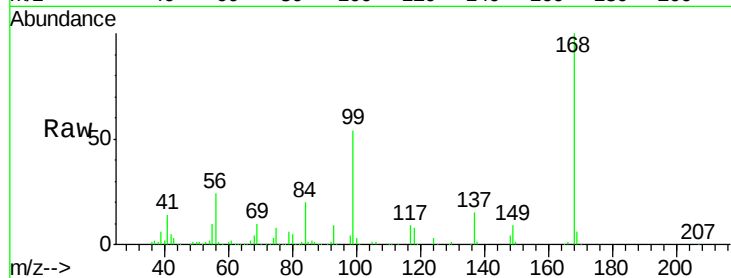
99 53.8 46.2 69.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

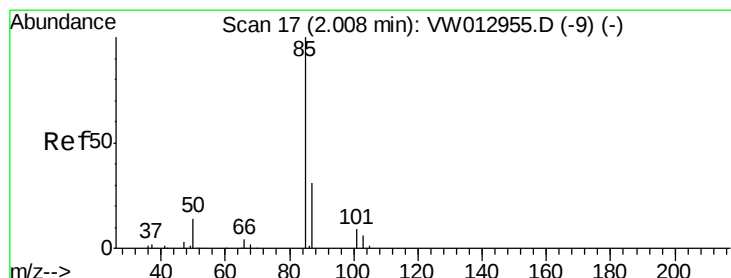
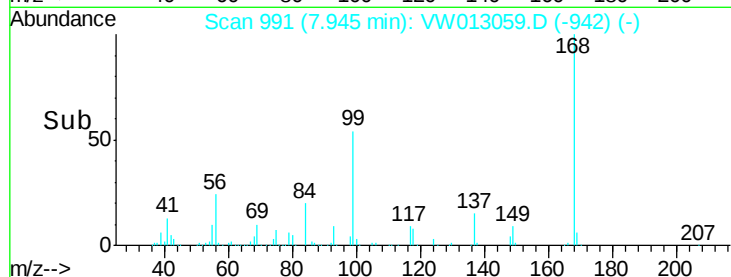
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.728 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013059.D

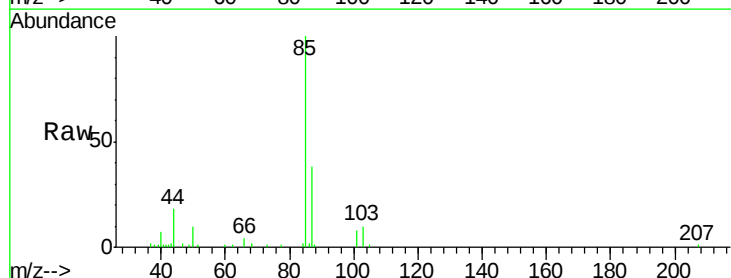
Acq: 17 Sep 2019 00:36

Tgt Ion: 85 Resp: 25804

Ion Ratio Lower Upper

85 100

87 38.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

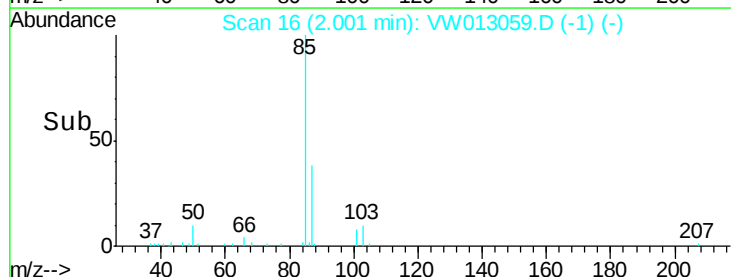
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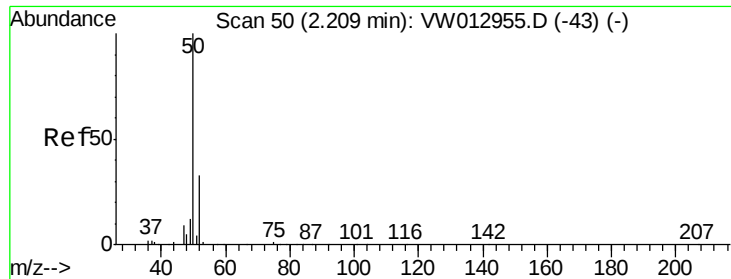
4000

2000

0

Time-->





#3

Chloromethane

Concen: 21.774 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 50 Resp: 30492

Ion Ratio Lower Upper

50 100

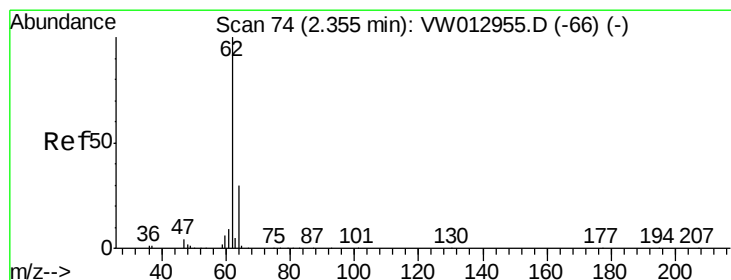
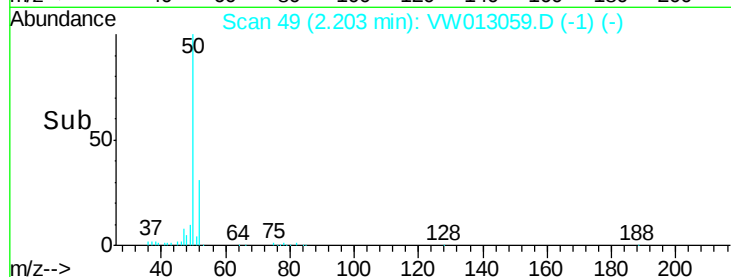
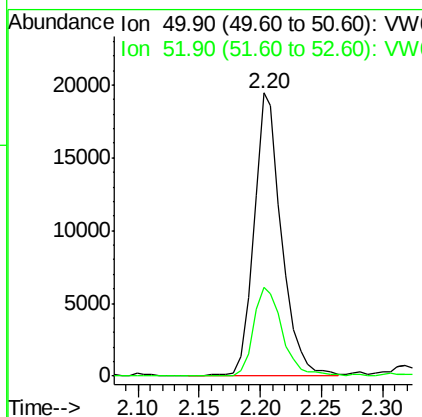
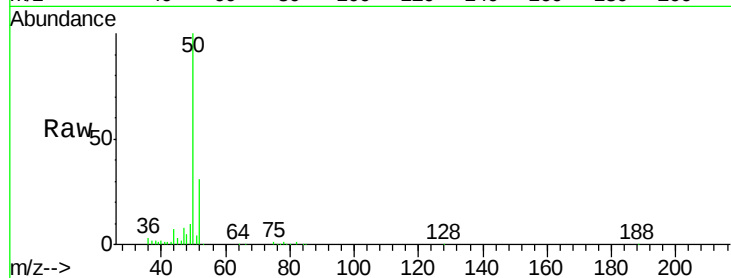
52 31.5 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.867 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013059.D

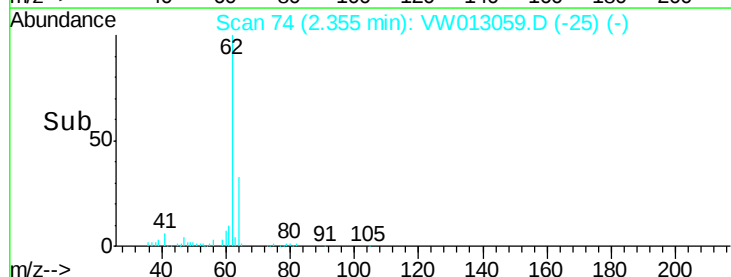
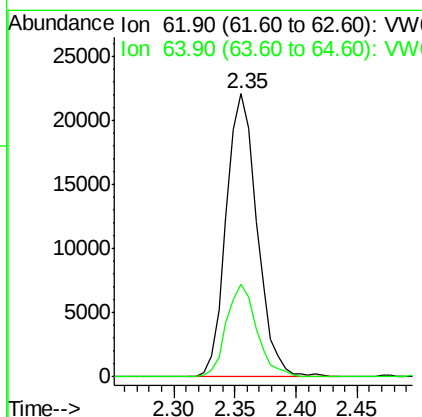
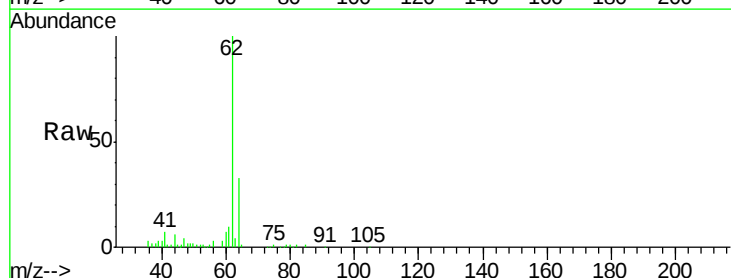
Acq: 17 Sep 2019 00:36

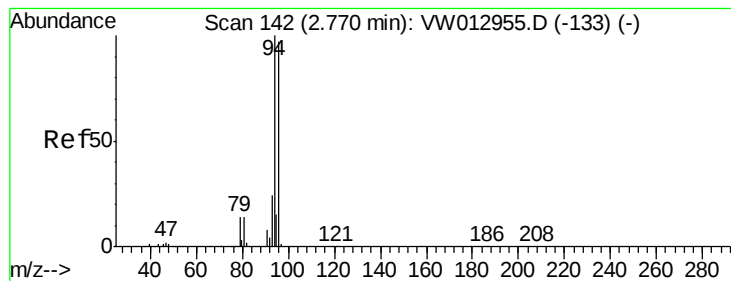
Tgt Ion: 62 Resp: 38607

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 19.937 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion: 94 Resp: 22526

Ion Ratio Lower Upper

94 100

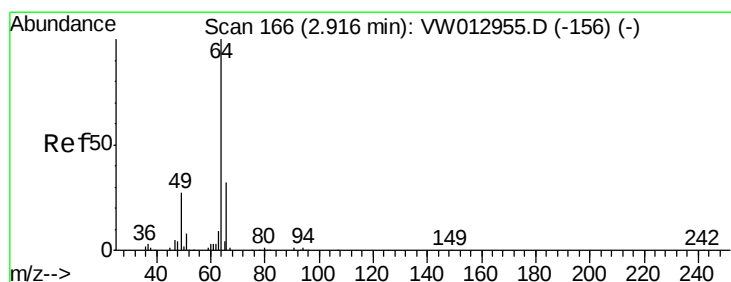
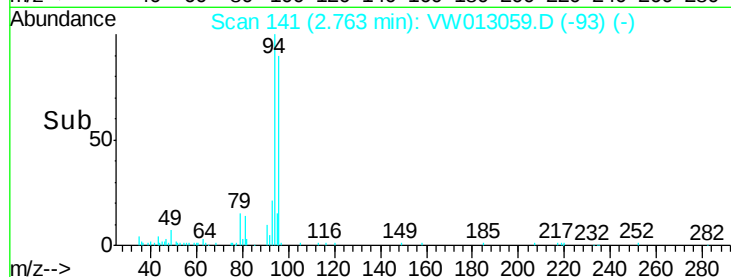
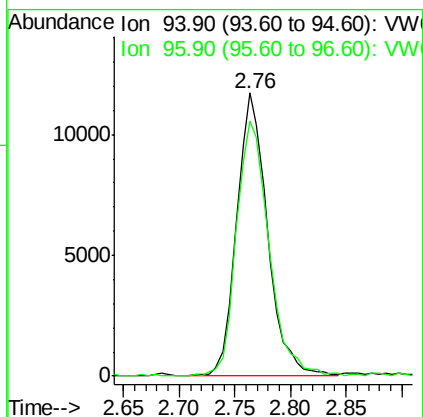
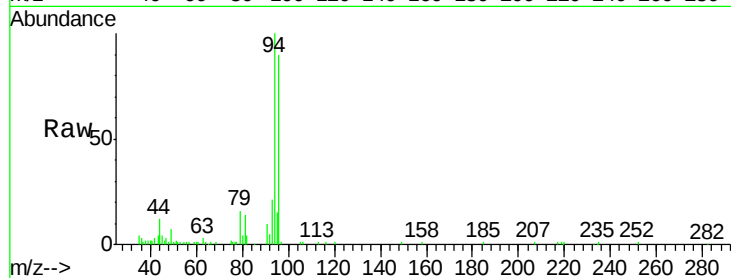
96 90.1 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 20.674 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013059.D

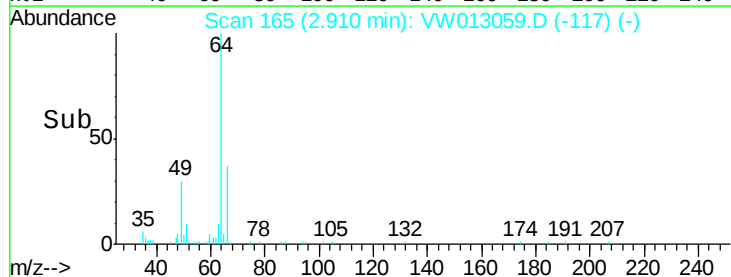
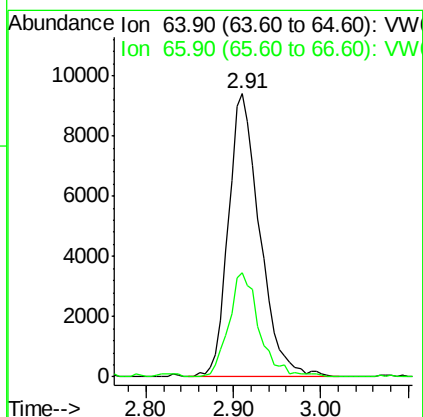
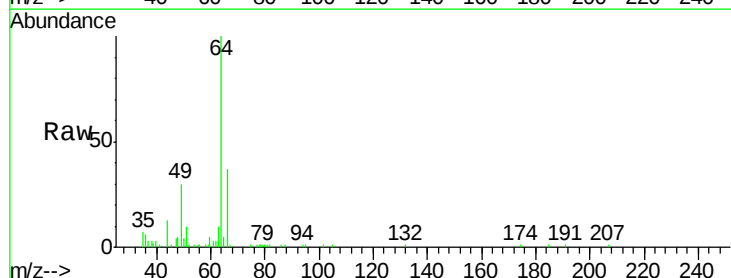
Acq: 17 Sep 2019 00:36

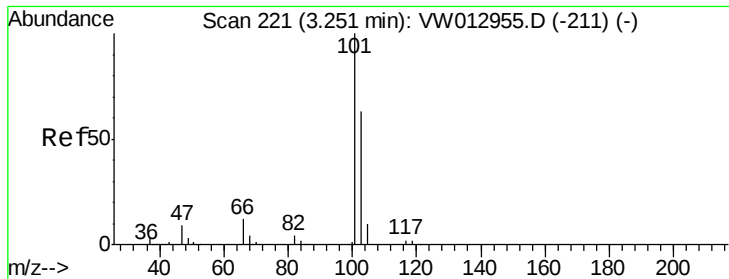
Tgt Ion: 64 Resp: 23459

Ion Ratio Lower Upper

64 100

66 37.0 25.9 38.9





#7

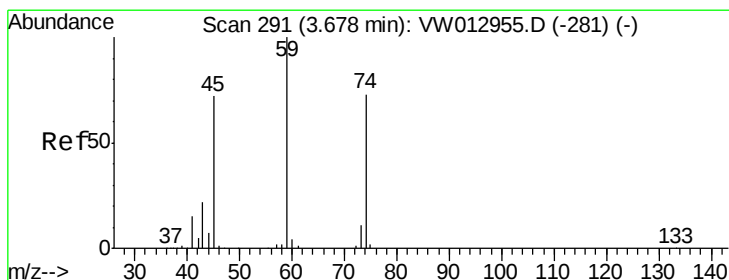
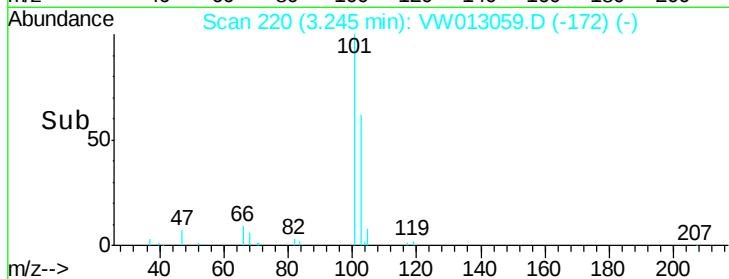
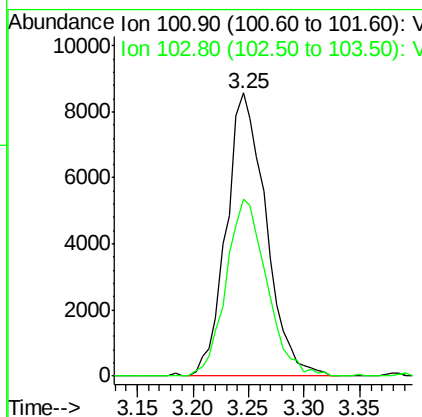
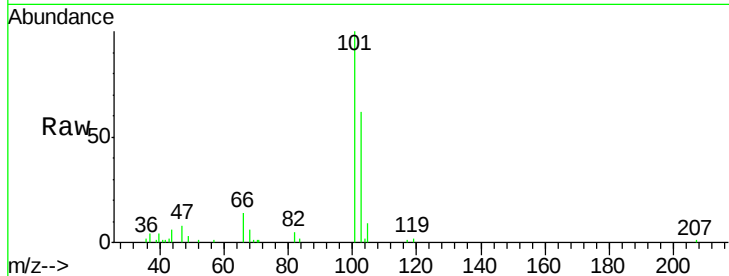
Trichlorofluoromethane
 Concen: 16.333 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
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 VW0916SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
21131	101	100			
	103	62.5	50.7	76.1	

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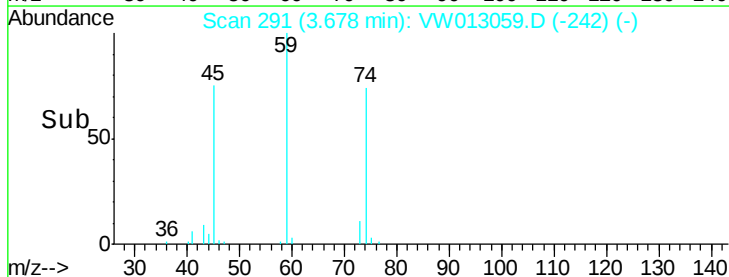
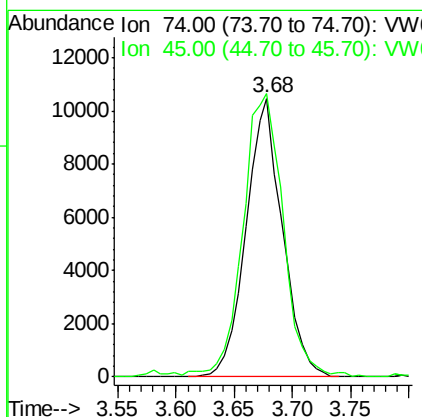
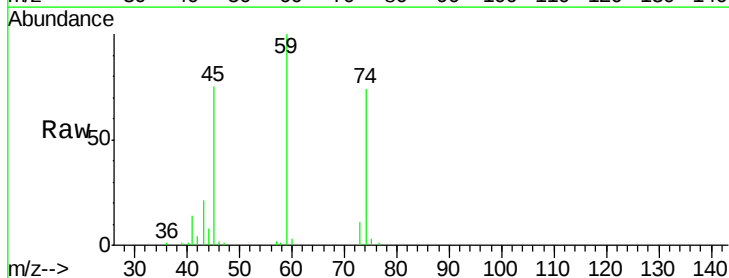
MMDadoda
 9/18/2019 2:01:22 PM

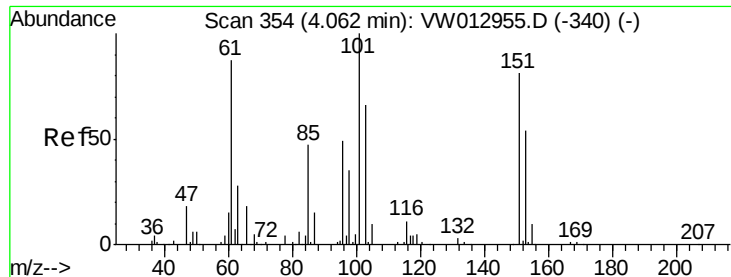


#8

Diethyl Ether
 Concen: 22.413 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
22643	74	100			
	45	113.6	53.8	161.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.776 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

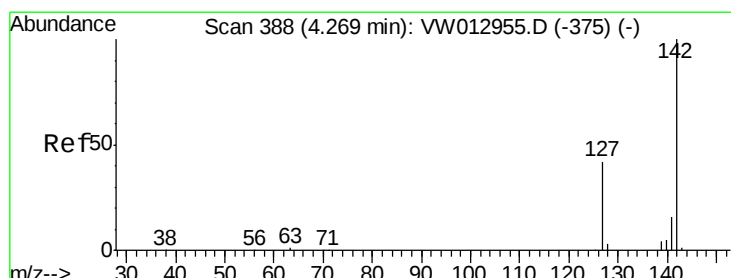
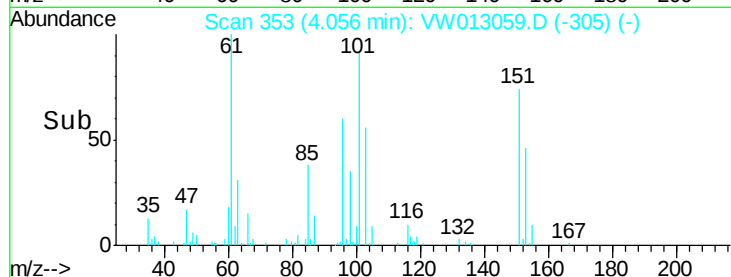
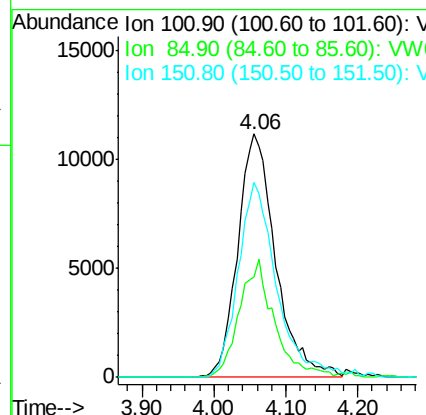
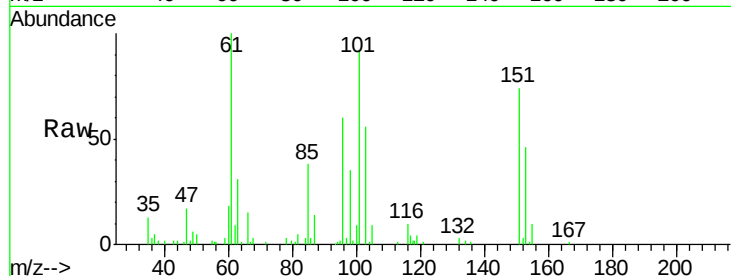
ClientSampleId :

VW0916SBS02

Tot Ion:	101	Resp:	40769
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.9	52.3
151	81.7	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.861 ug/l

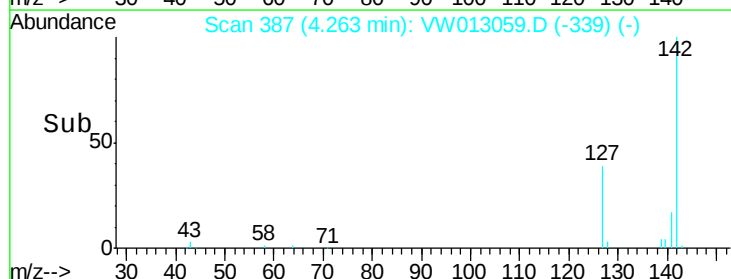
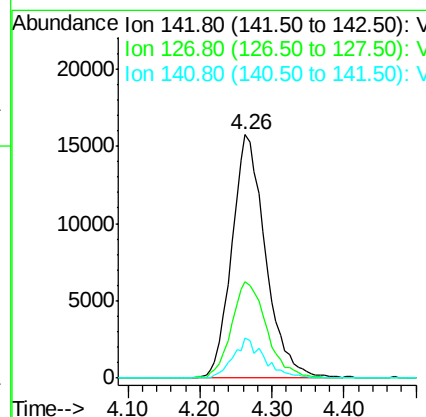
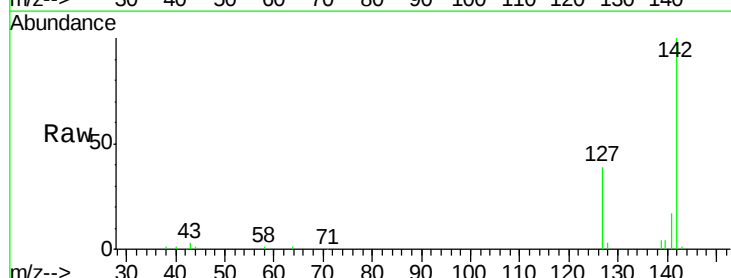
RT: 4.26 min Scan# 387

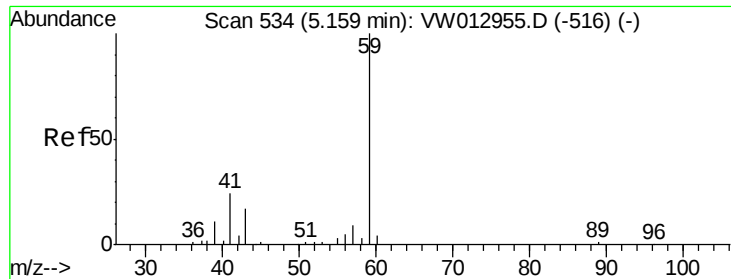
Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	142	Resp:	51231
Ion Ratio	Lower	Upper	
142	100		
127	41.3	34.7	52.1
141	15.2	12.2	18.2





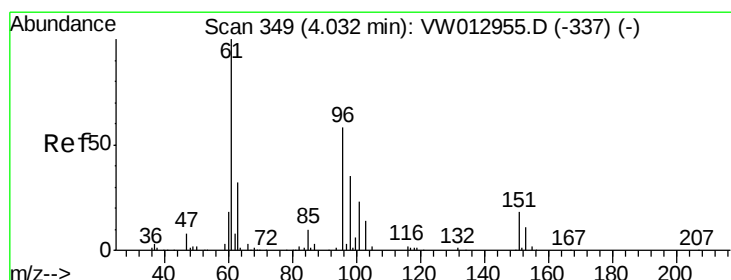
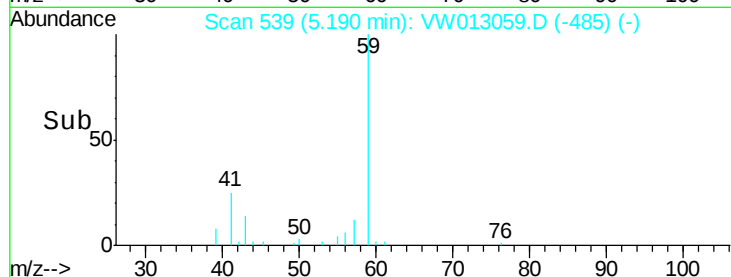
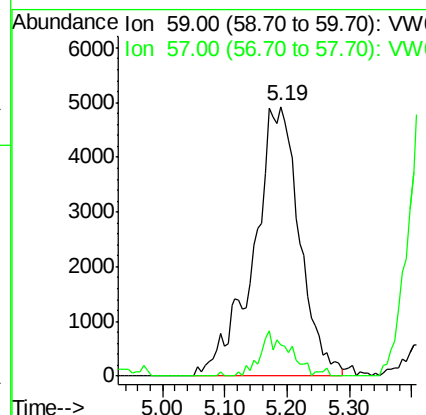
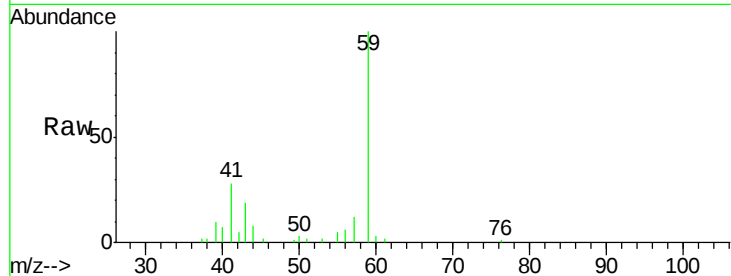
#11
Tert butyl alcohol
Concen: 147.539 ug/l m
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	25191		
57	57	10.5		8.5	12.7

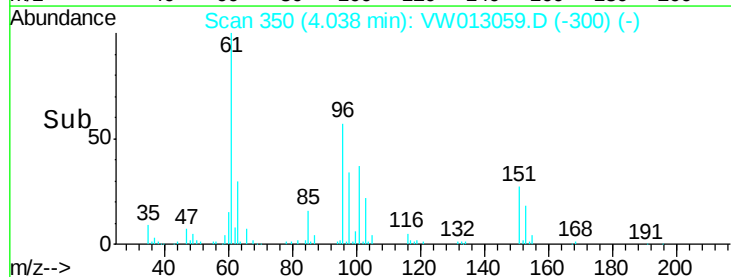
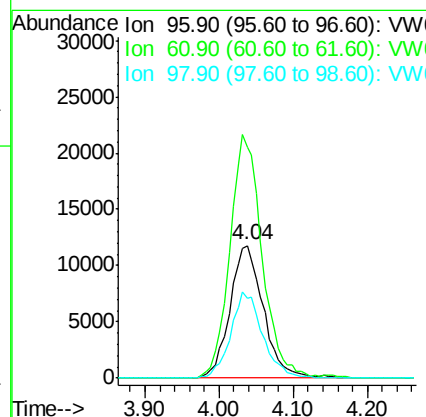
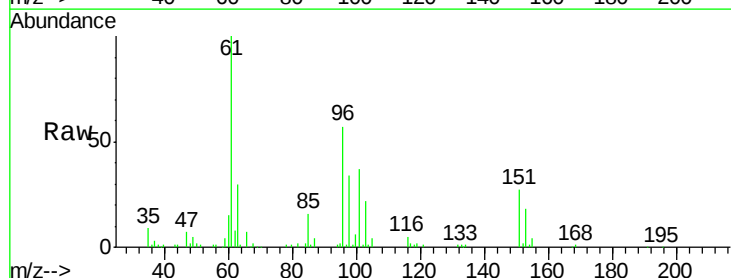
Manual Integrations
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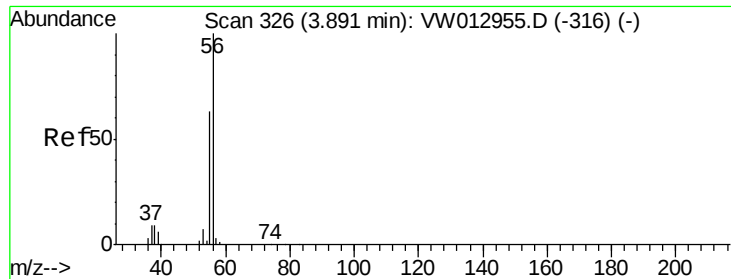
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.641 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	36828		
61	61	174.2		137.9	206.9
98	98	59.8		48.9	73.3





#13

Acrolein

Concen: 118.713 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion: 56 Resp: 21540

Ion Ratio Lower Upper

56 100

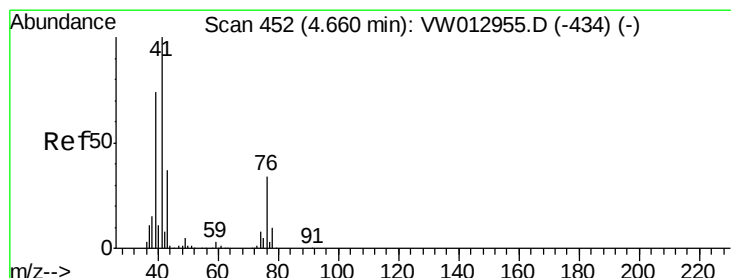
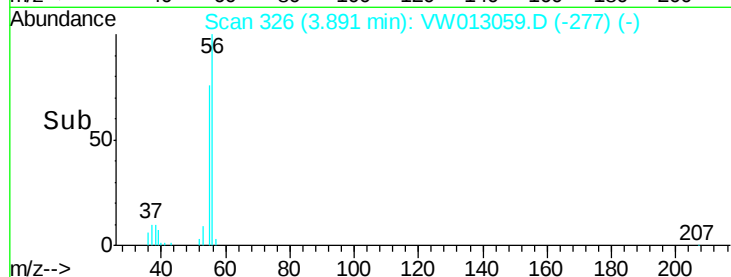
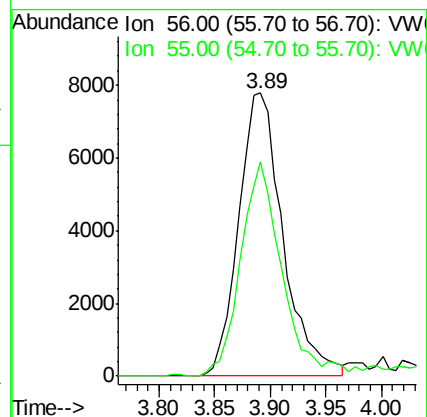
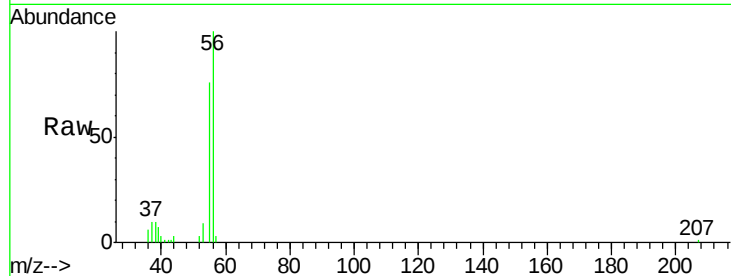
55 70.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.529 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

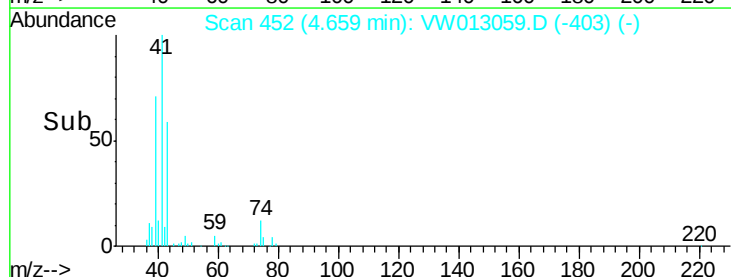
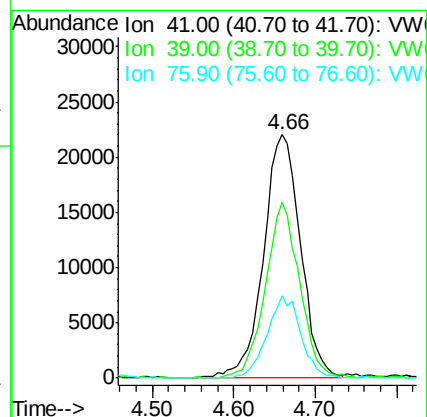
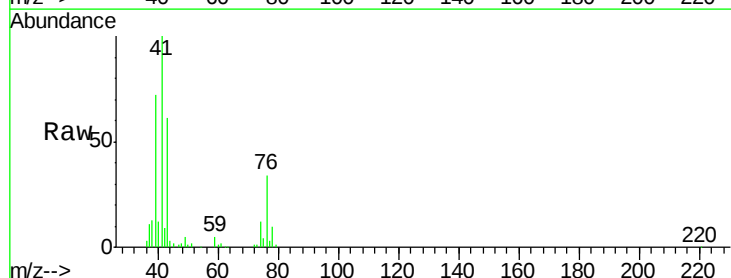
Tgt Ion: 41 Resp: 69535

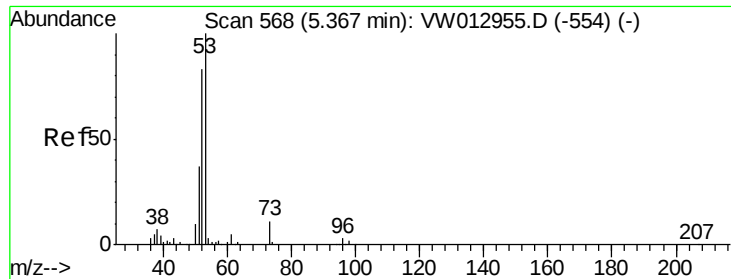
Ion Ratio Lower Upper

41 100

39 67.0 56.7 85.1

76 30.8 25.1 37.7





#15

Acrylonitrile

Concen: 133.006 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

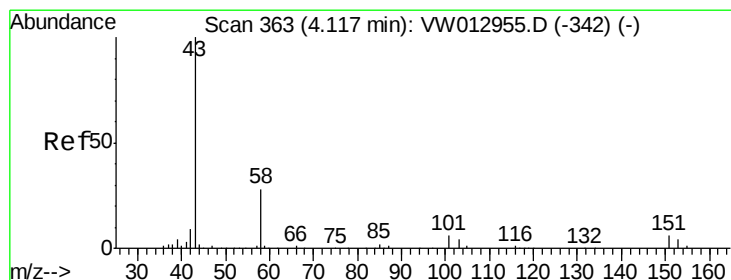
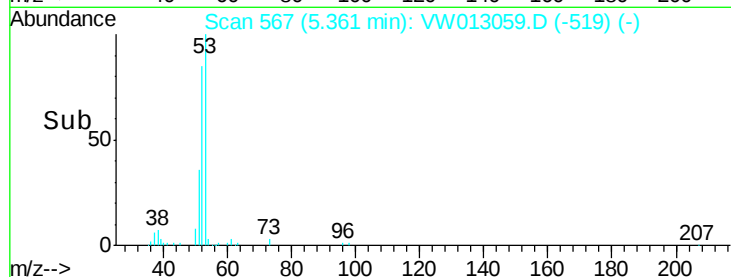
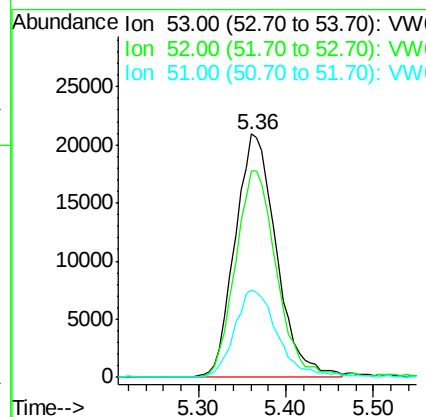
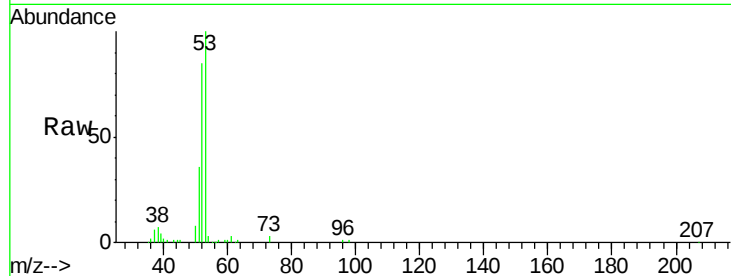
ClientSampleId :

VW0916SBSD02

Tot Ion:	53	Resp:	68628
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.6	100.0
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 102.257 ug/l

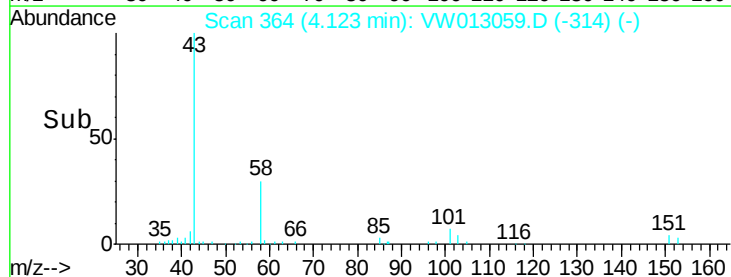
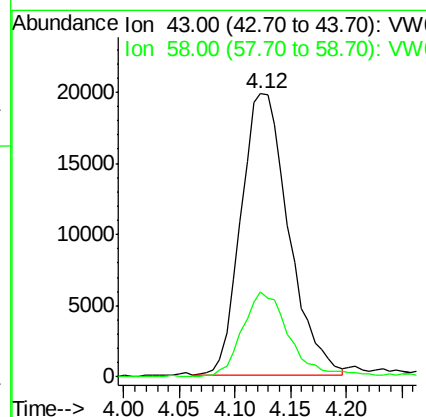
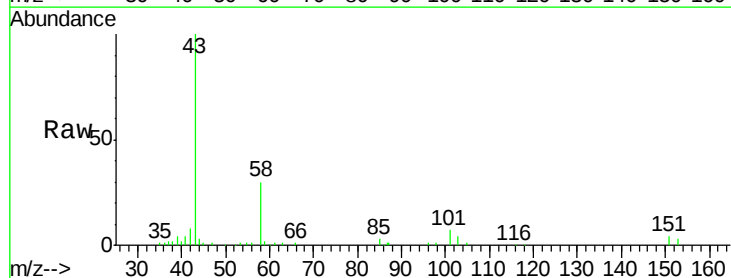
RT: 4.12 min Scan# 364

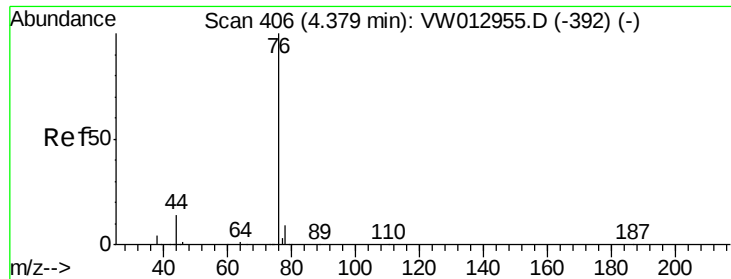
Delta R.T. 0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	43	Resp:	58955
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.3	33.5





#17

Carbon Disulfide

Concen: 20.844 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion: 76 Resp: 74114

Ion Ratio Lower Upper

76 100

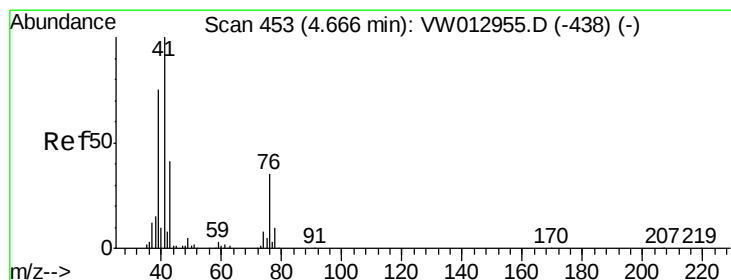
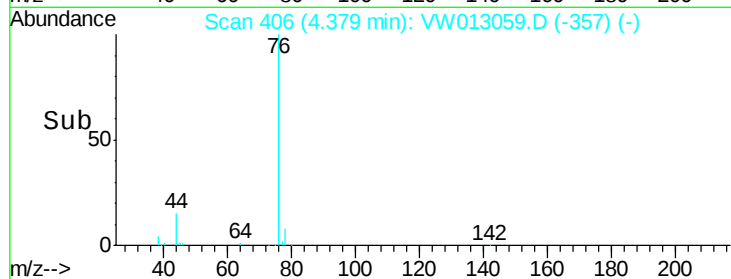
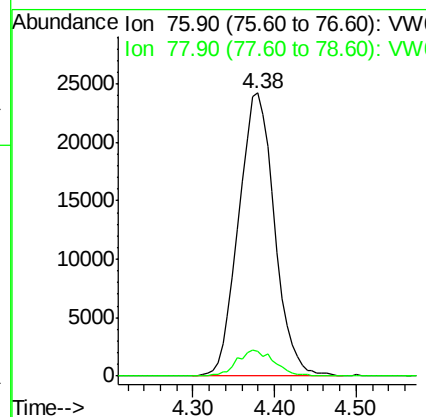
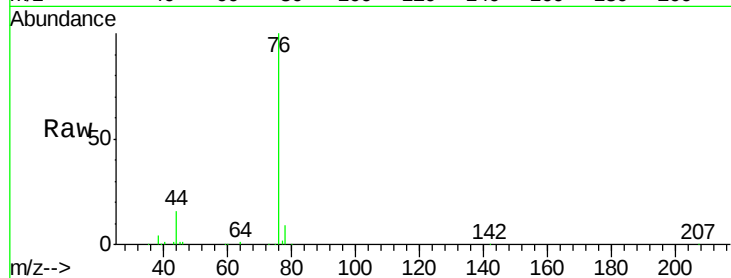
78 8.5 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 31.982 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013059.D

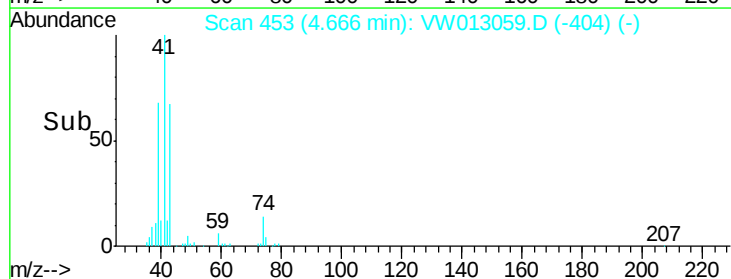
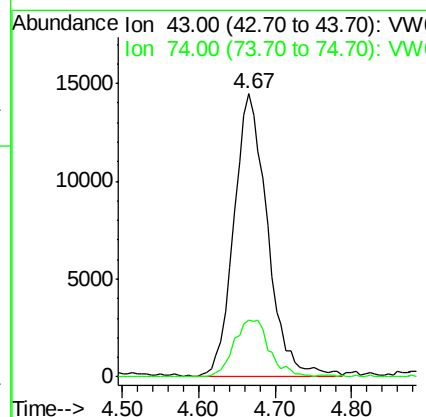
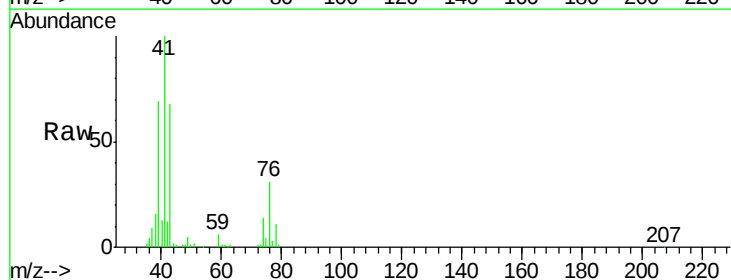
Acq: 17 Sep 2019 00:36

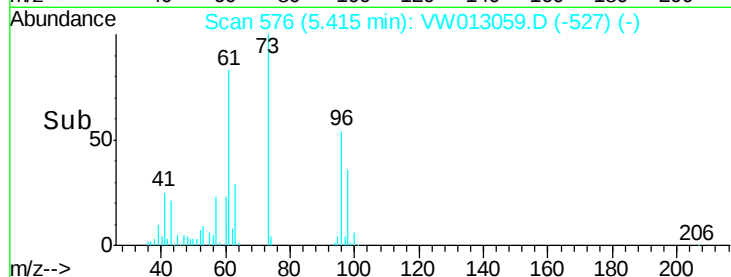
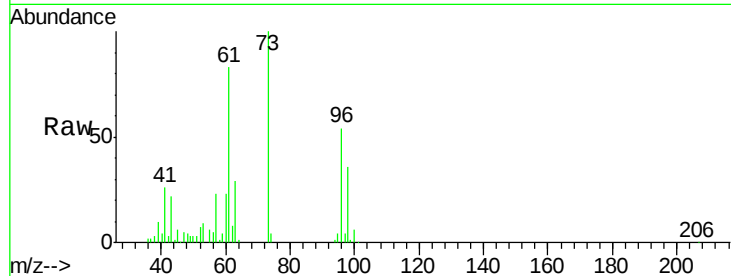
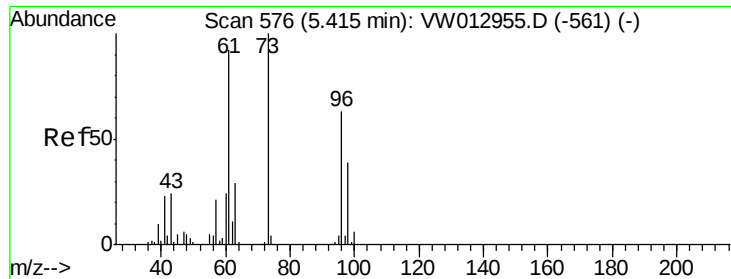
Tgt Ion: 43 Resp: 43499

Ion Ratio Lower Upper

43 100

74 21.5 17.8 26.8





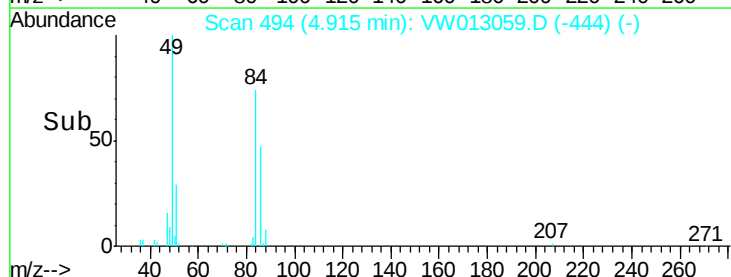
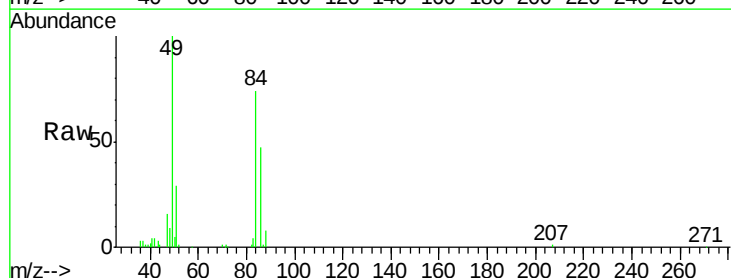
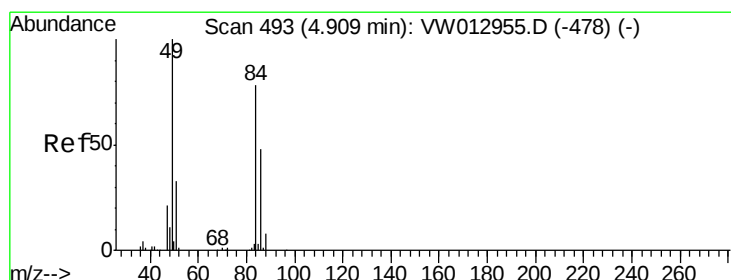
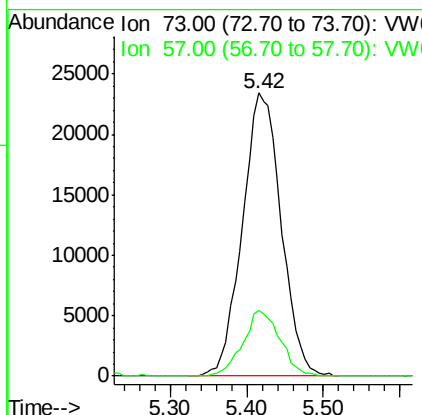
#19
Methvl tert-butvl Ether
Concen: 23.458 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tot Ion: 73 Resp: 82619
Ion Ratio Lower Upper
73 100
57 23.1 16.4 24.6

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

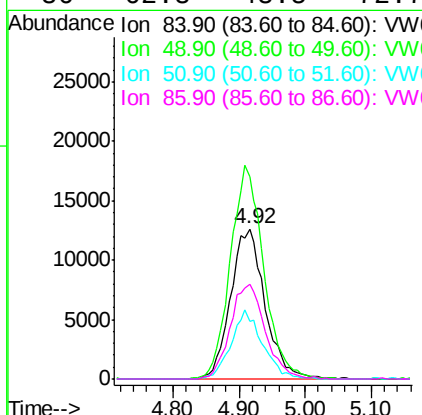
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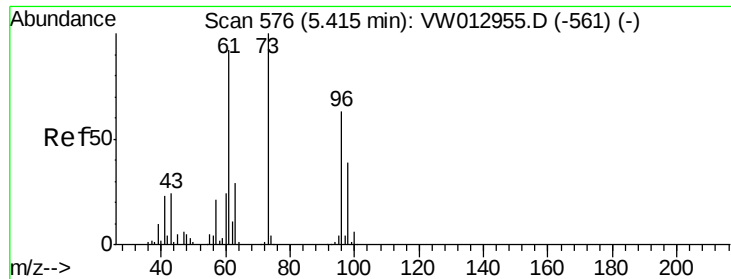
MMDadoda
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#20
Methylene Chloride
Concen: 20.576 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion: 84 Resp: 45571
Ion Ratio Lower Upper
84 100
49 134.5 102.0 153.0
51 38.6 34.0 51.0
86 62.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.345 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 96 Resp: 38878

Ion Ratio Lower Upper

96 100

61 152.5 116.2 174.2

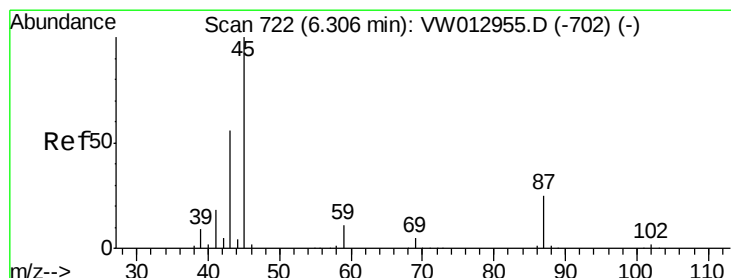
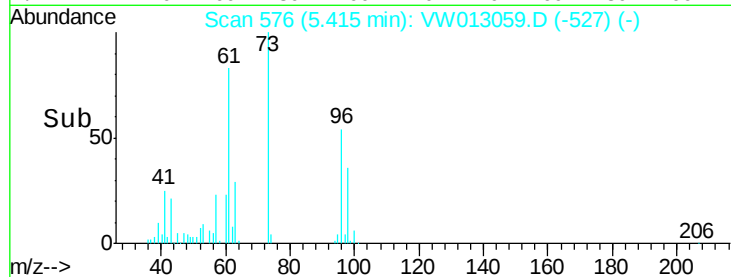
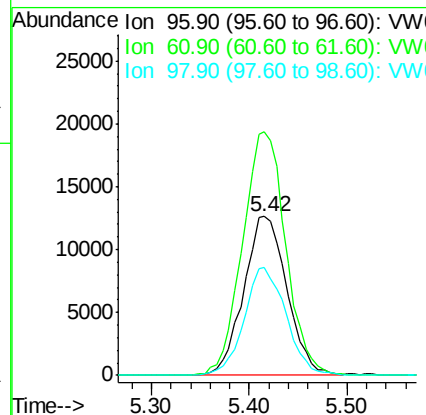
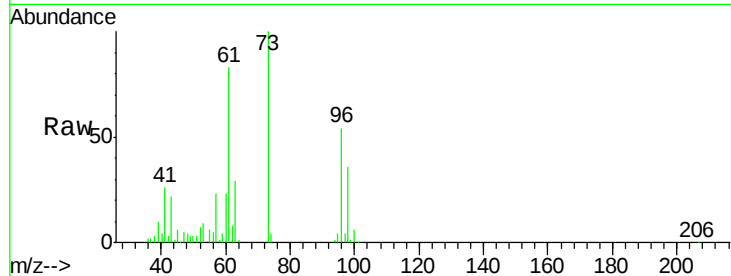
98 67.5 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.985 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion: 45 Resp: 154701

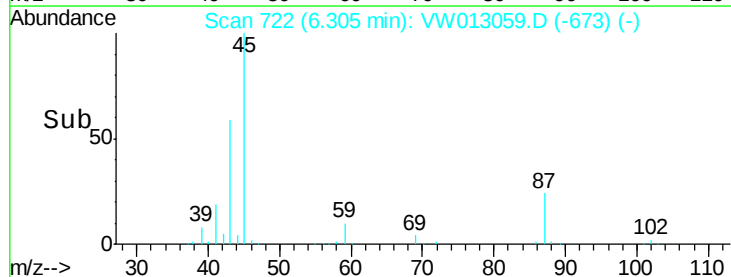
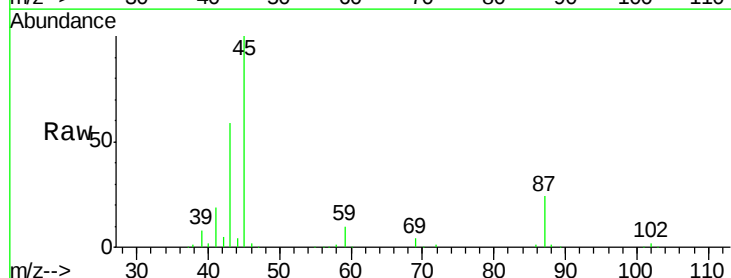
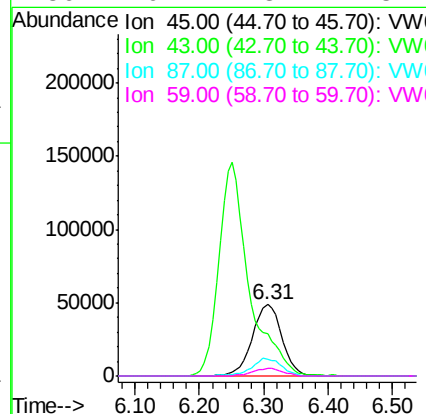
Ion Ratio Lower Upper

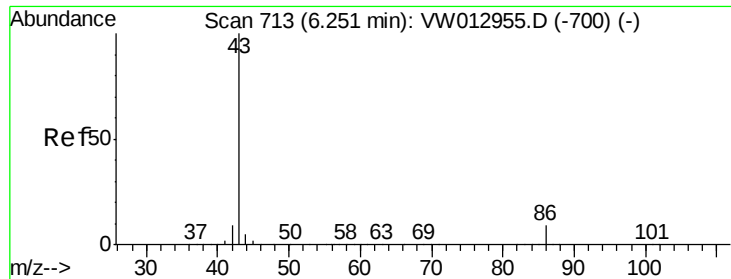
45 100

43 58.4 44.6 67.0

87 23.9 20.0 30.0

59 10.4 8.7 13.1





#23

Vinyl Acetate

Concen: 113.902 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 43 Resp: 480045

Ion Ratio Lower Upper

43 100

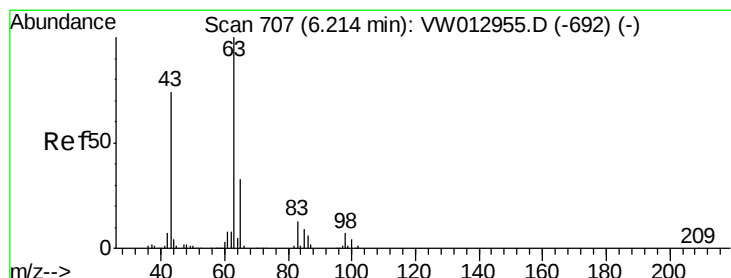
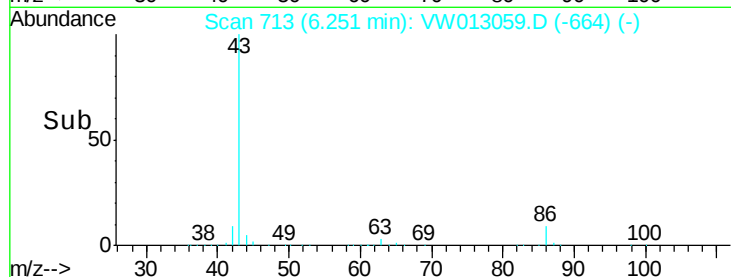
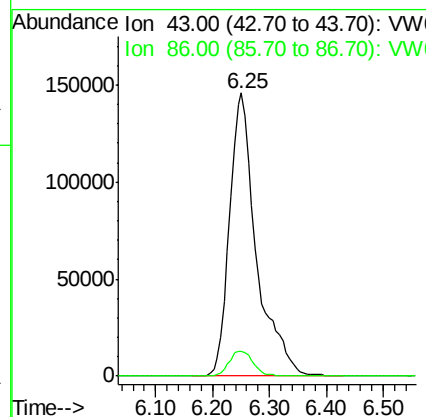
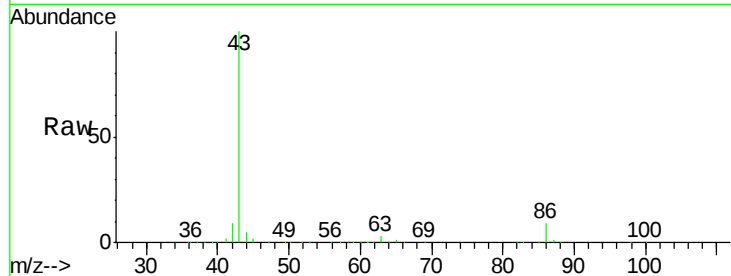
86 8.7 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 20.343 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

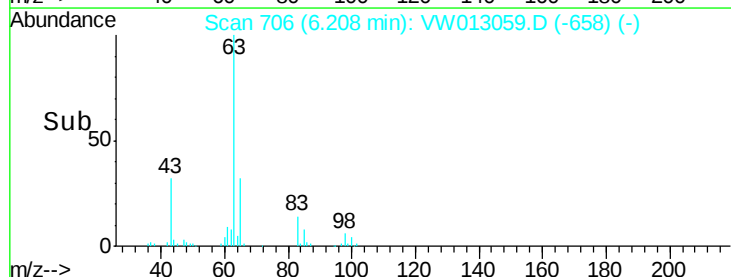
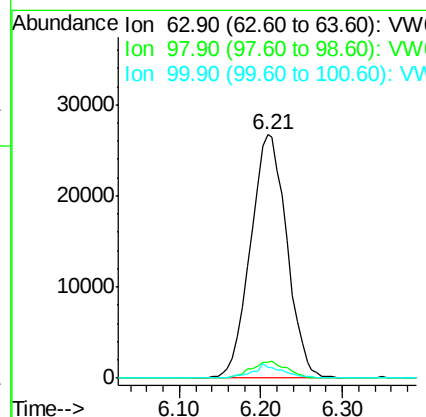
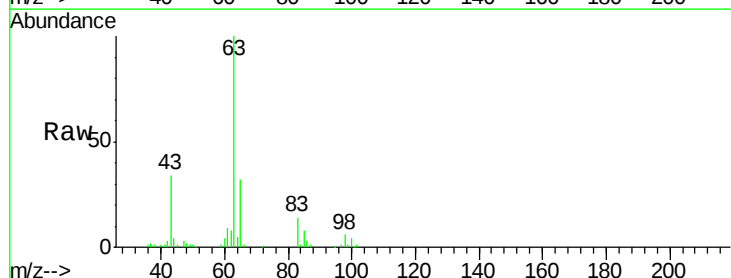
Tgt Ion: 63 Resp: 82533

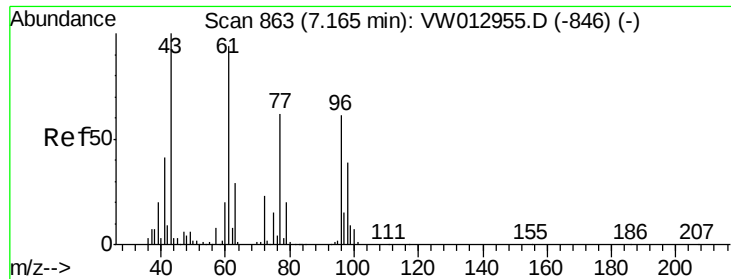
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 133.913 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 43 Resp: 101654

Ion Ratio Lower Upper

43 100

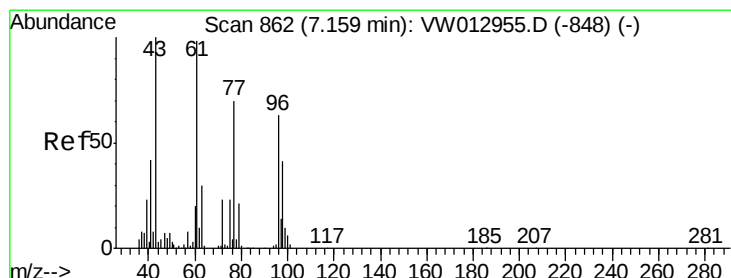
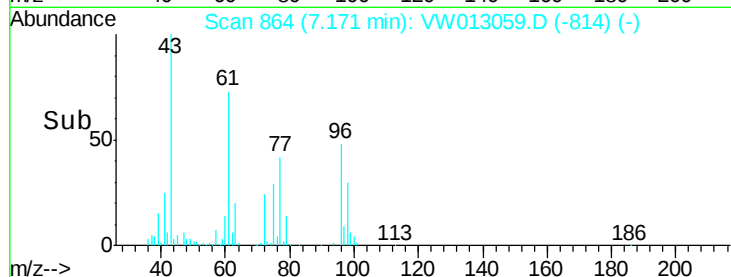
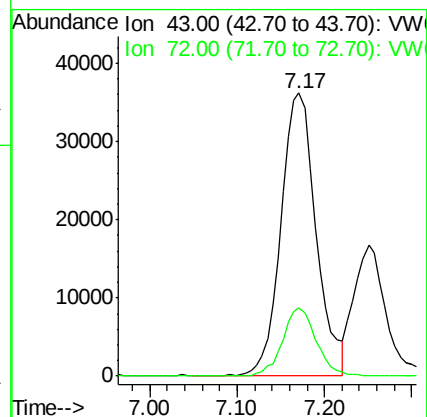
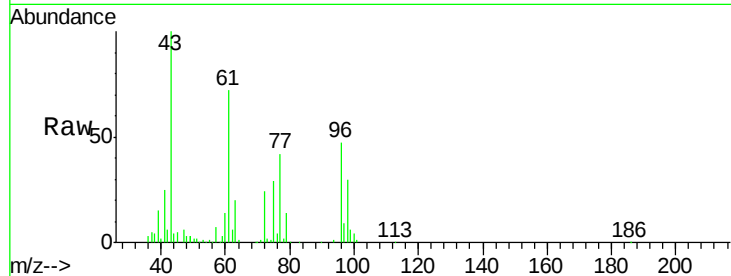
72 24.0 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.794 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013059.D

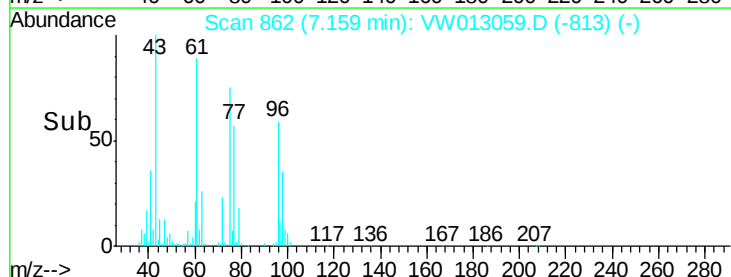
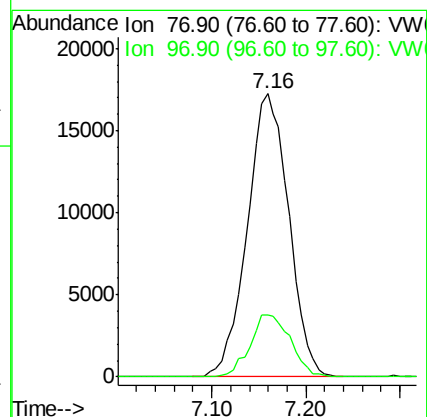
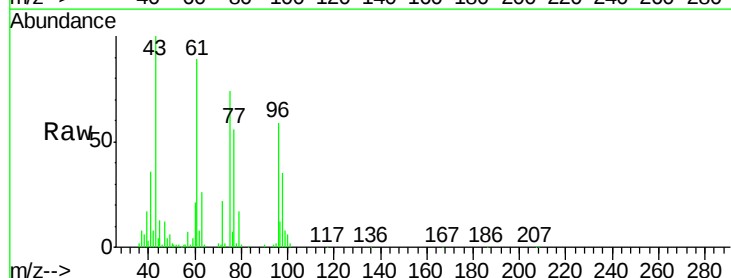
Acq: 17 Sep 2019 00:36

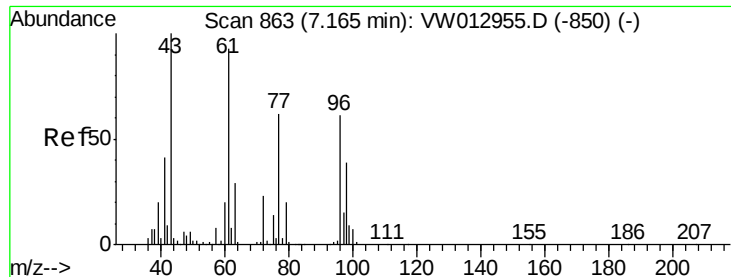
Tgt Ion: 77 Resp: 53007

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

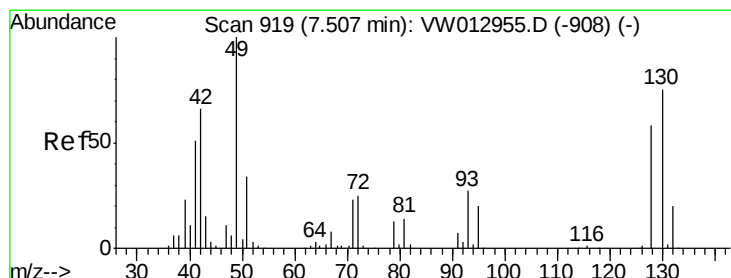
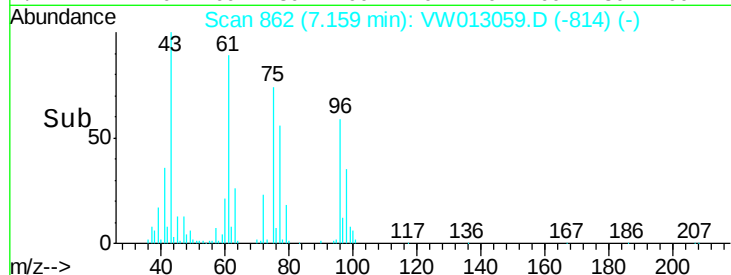
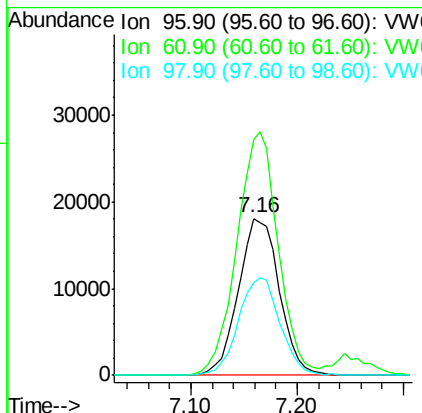
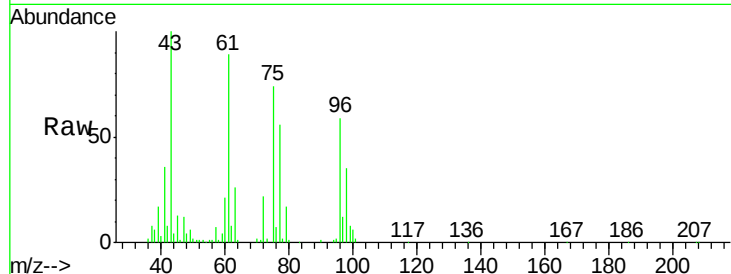
cis-1,2-Dichloroethene
 Concen: 21.290 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	315.4
98	63.6	0.0	131.0

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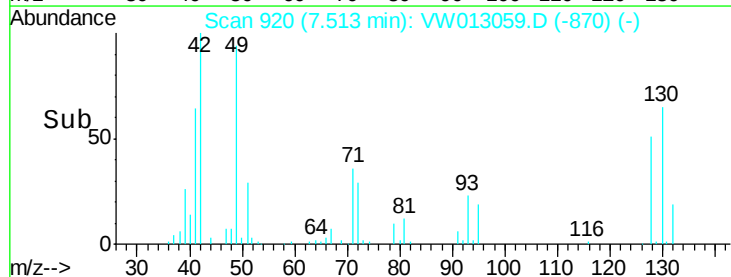
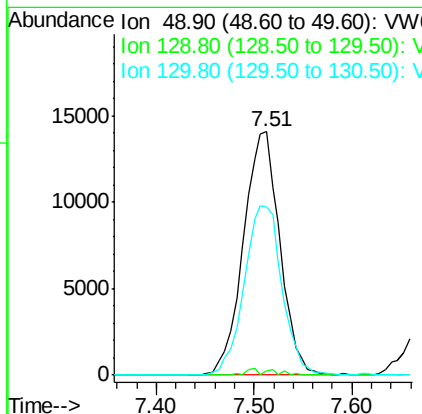
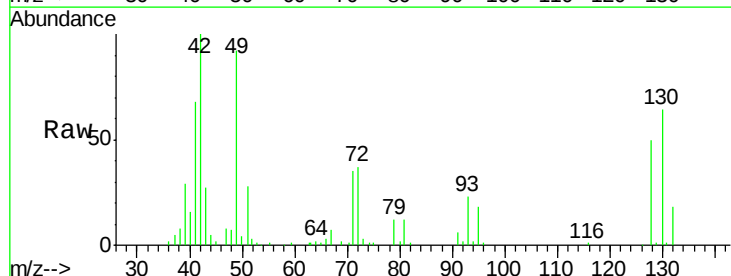
MMDadoda
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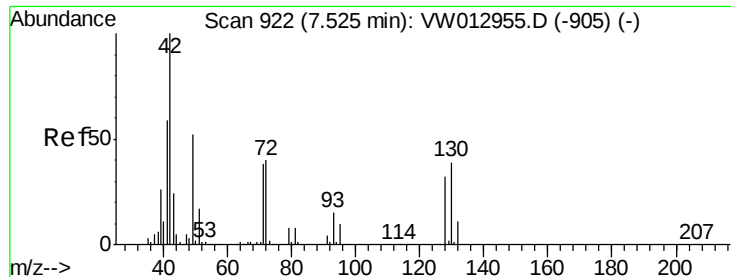


#28

Bromochloromethane
 Concen: 21.237 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.4
130	72.2	57.8	86.6





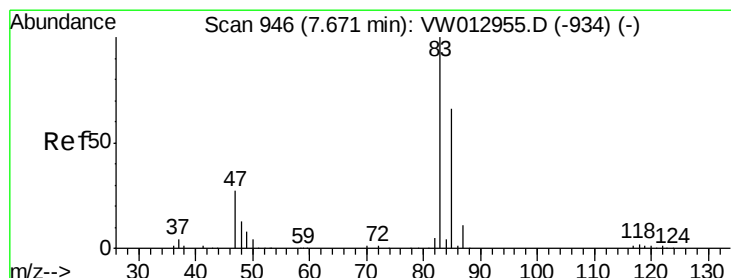
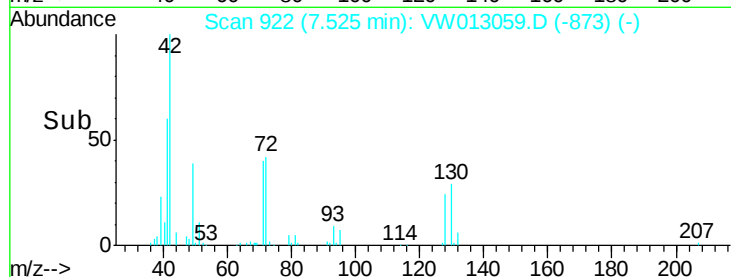
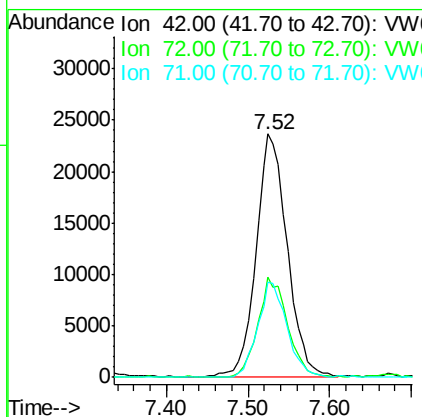
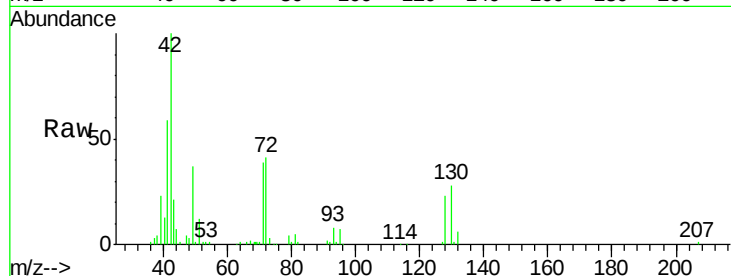
#29
Tetrahydrofuran
Concen: 146.210 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	36.8	29.8	44.8

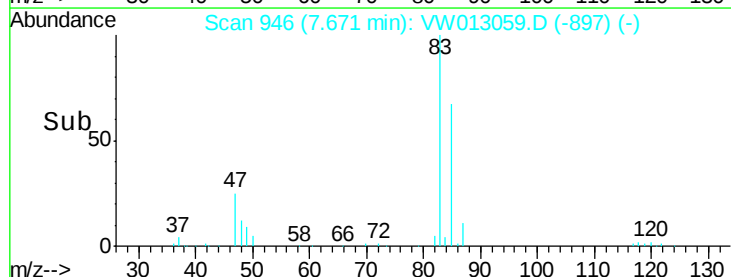
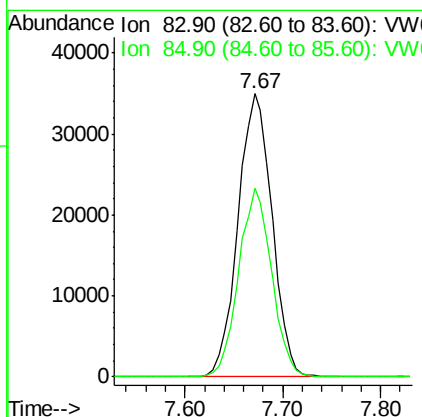
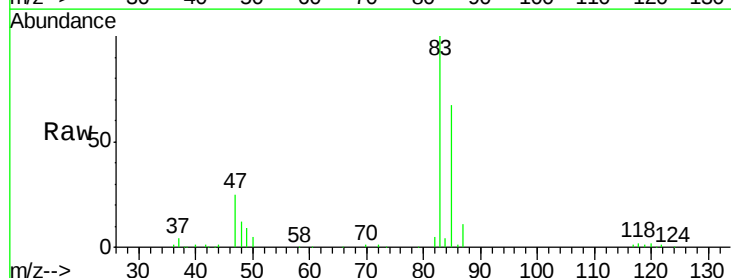
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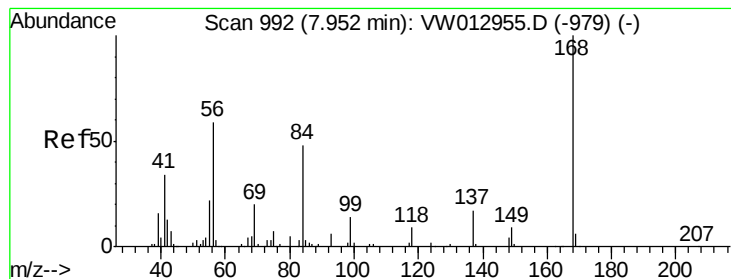
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#30
Chloroform
Concen: 20.470 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.8	79.2





#31

Cyclohexane

Concen: 22.735 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

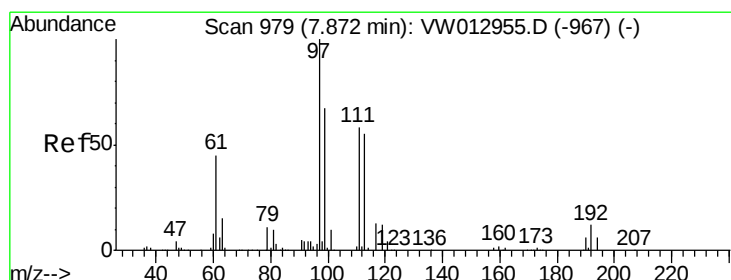
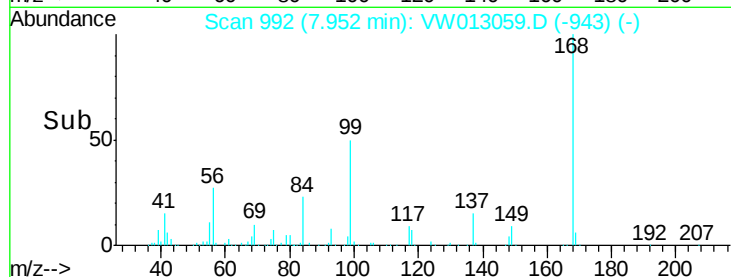
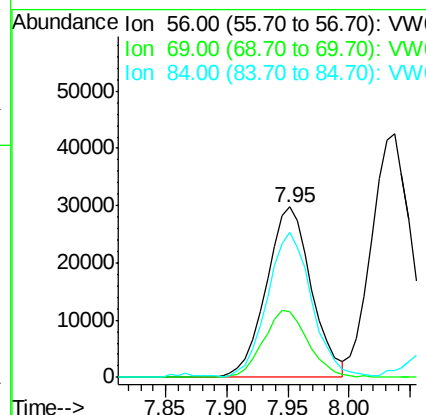
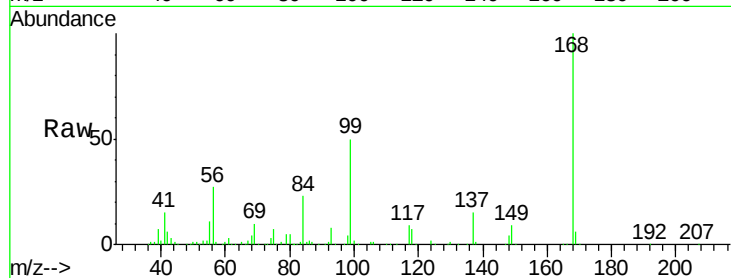
ClientSampleId :

VW0916SBS02

Tot Ion:	56	Resp:	76302
Ion Ratio	Lower	Upper	
56	100		
69	38.4	27.0	40.6
84	84.5	66.2	99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.288 ug/l

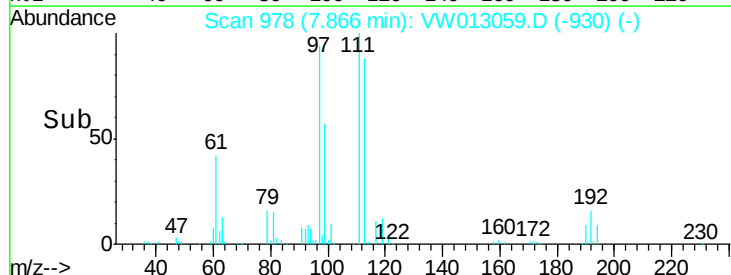
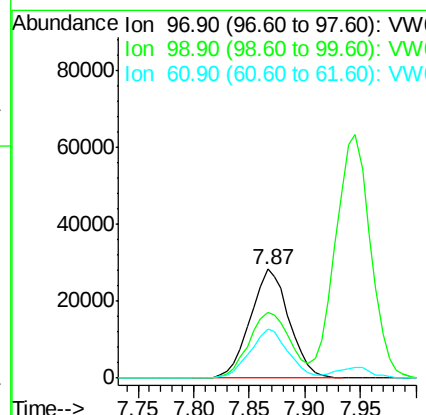
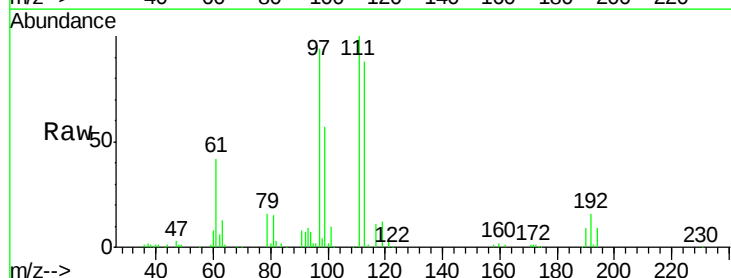
RT: 7.87 min Scan# 978

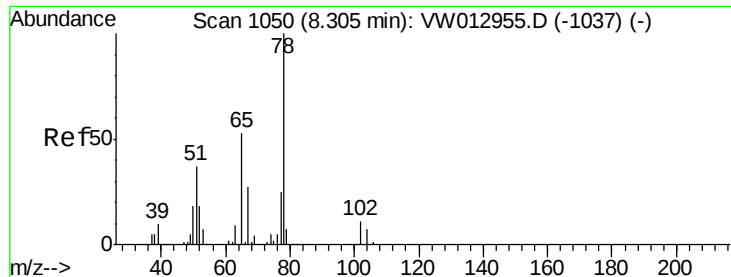
Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	97	Resp:	68875
Ion Ratio	Lower	Upper	
97	100		
99	64.2	53.0	79.4
61	44.5	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 50.789 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 65 Resp: 121249

Ion Ratio Lower Upper

65 100

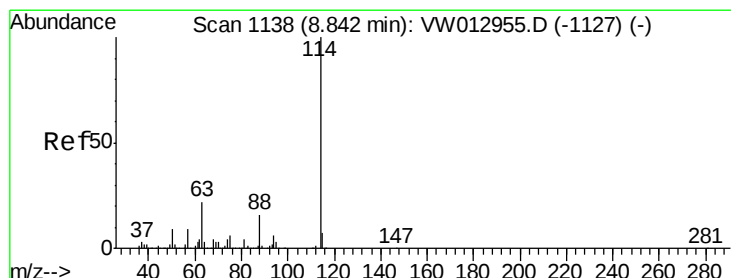
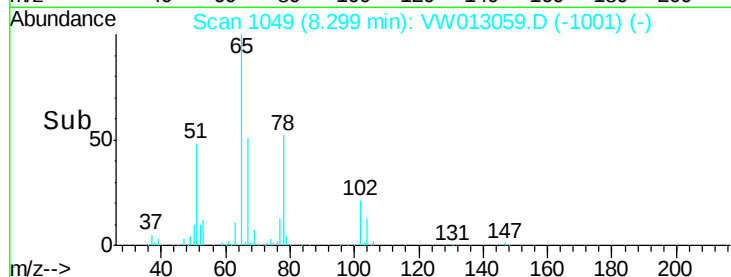
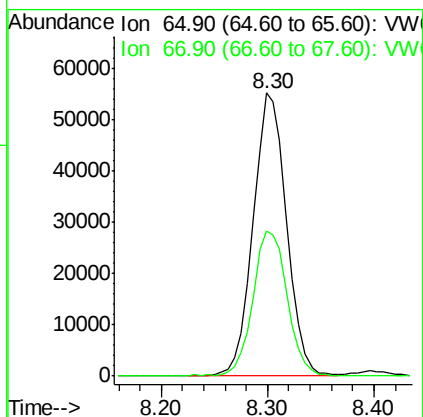
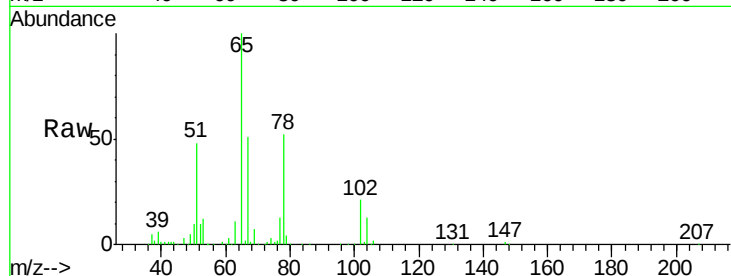
67 52.7 0.0 101.2

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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: VW013059.D

Acq: 17 Sep 2019 00:36

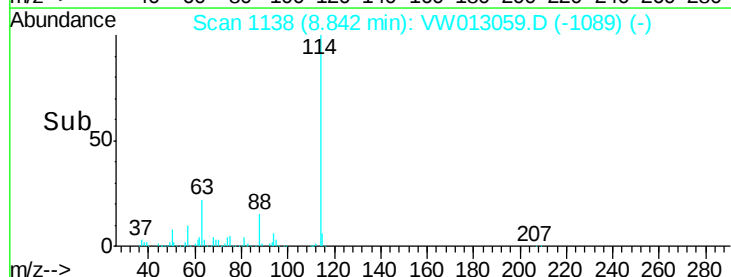
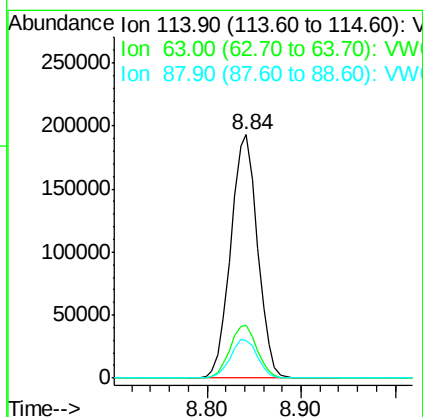
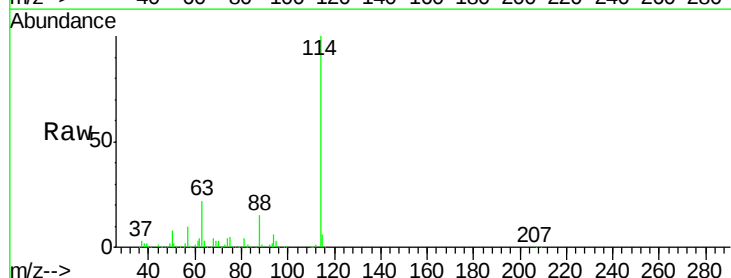
Tgt Ion: 114 Resp: 381425

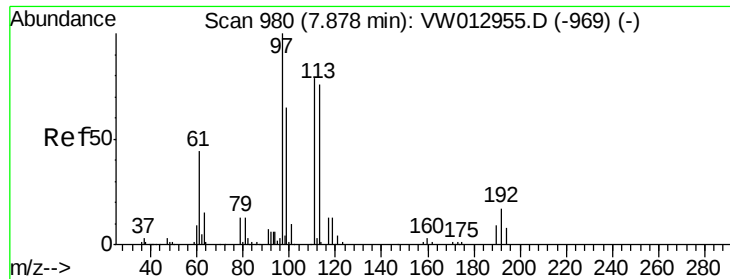
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.862 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

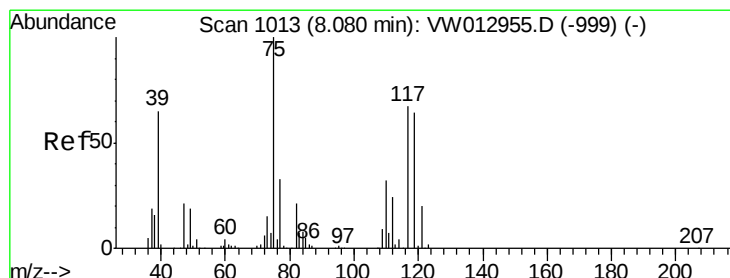
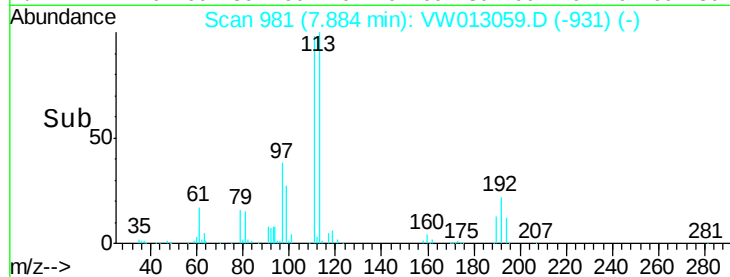
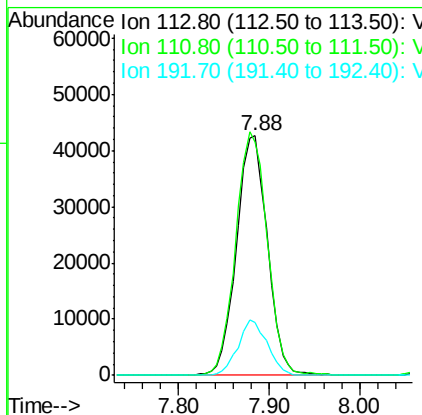
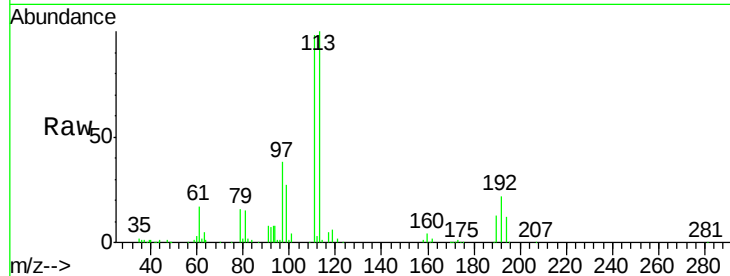
ClientSampleId :

VW0916SBS02

Tot Ion:	113	Resp:	101128
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.8	124.2
192	21.9	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 20.977 ug/l

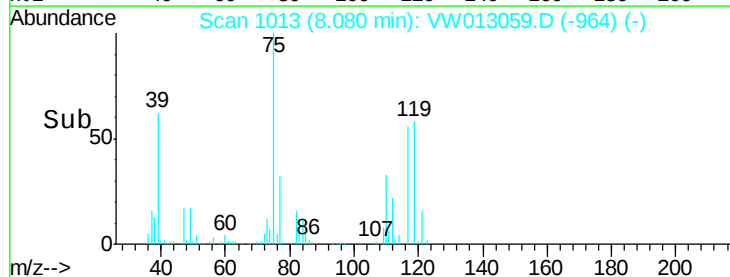
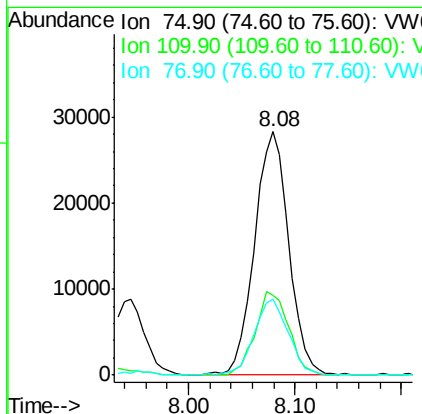
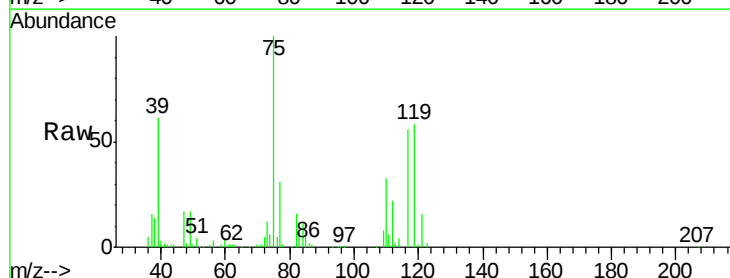
RT: 8.08 min Scan# 1013

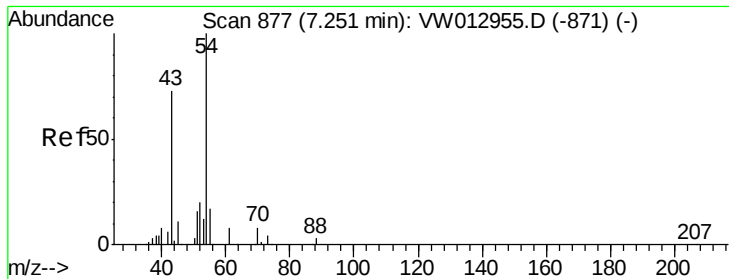
Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	75	Resp:	63935
Ion Ratio	Lower	Upper	
75	100		
110	33.4	16.4	49.1
77	31.2	25.1	37.7





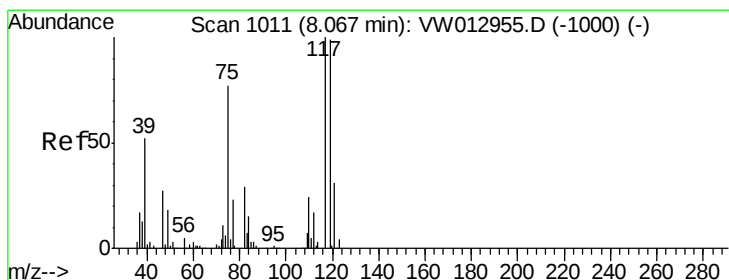
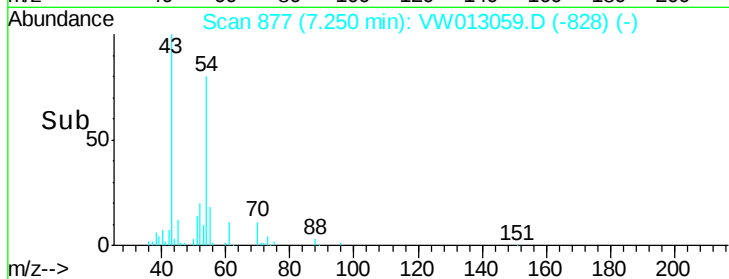
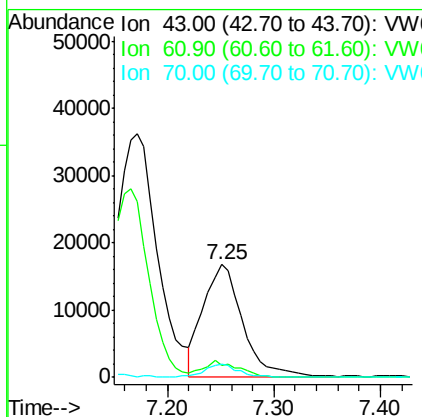
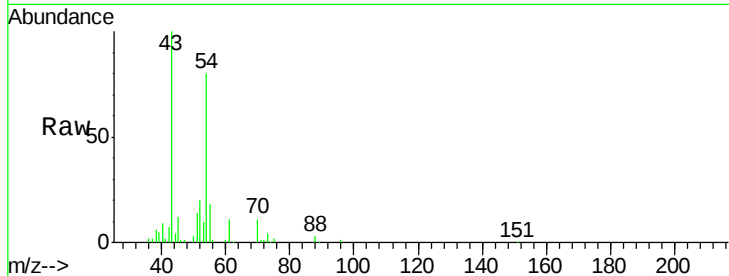
#37
Ethyl Acetate
Concen: 26.215 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleID :
VW0916SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.6	14.4
70	10.2	7.6	11.4

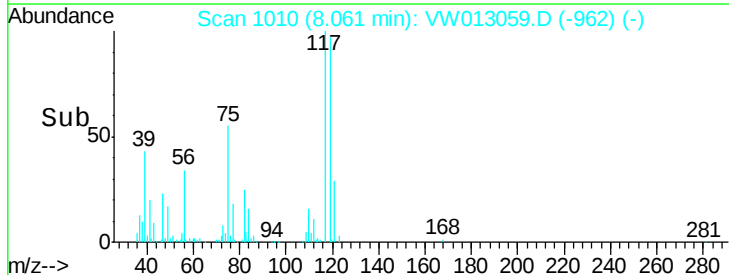
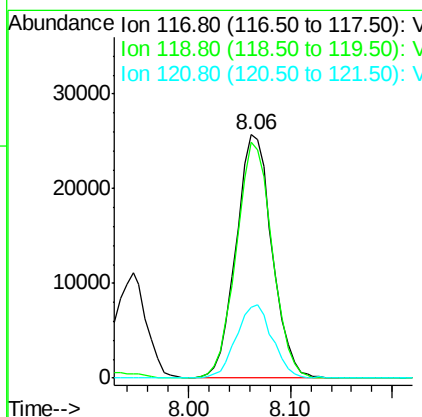
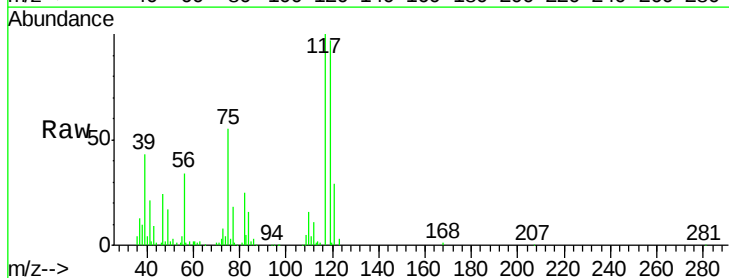
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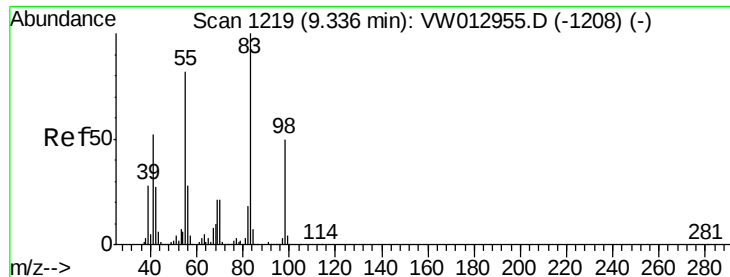
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#38
Carbon Tetrachloride
Concen: 20.120 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.4	119.0
121	28.9	24.6	36.8





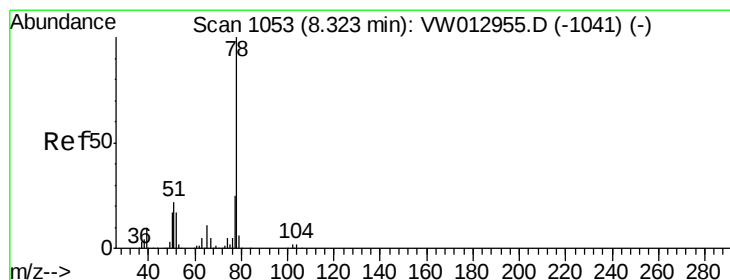
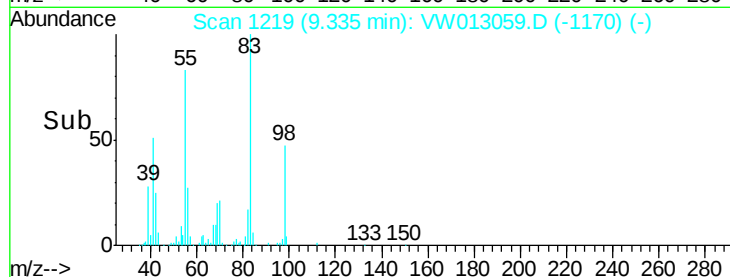
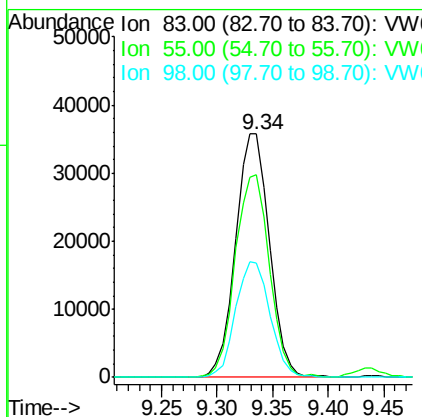
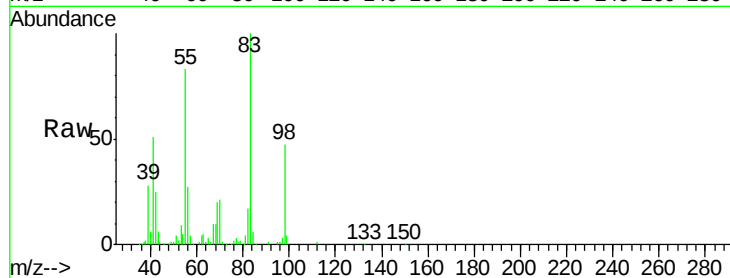
#39
Methvlcvclohexane
Concen: 22.612 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	65.9	98.9
98	47.1	39.6	59.4

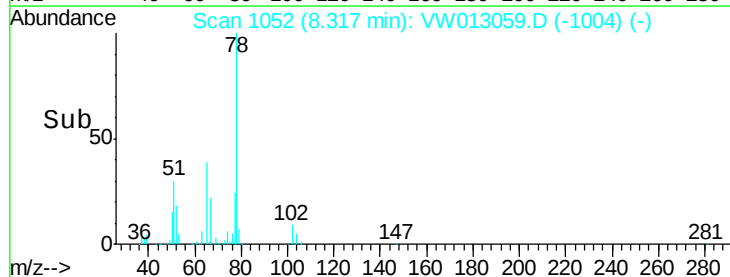
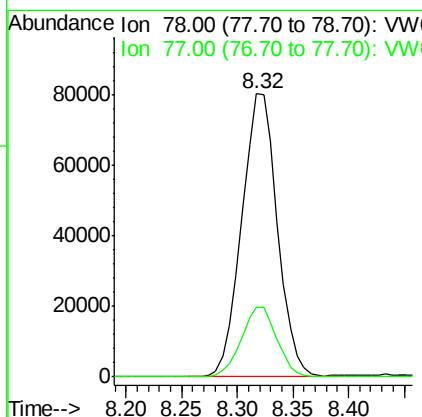
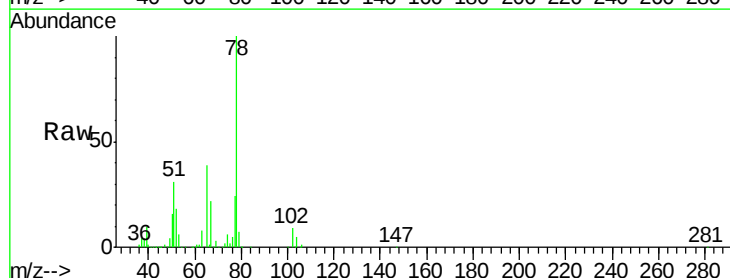
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#40
Benzene
Concen: 21.085 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





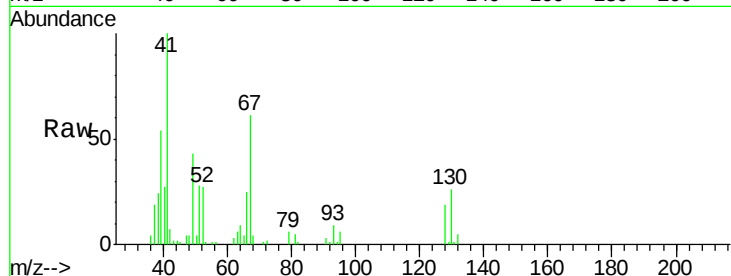
#41
Methacrylonitrile
Concen: 24.847 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

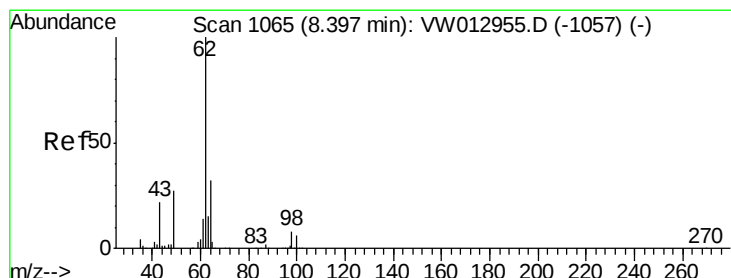
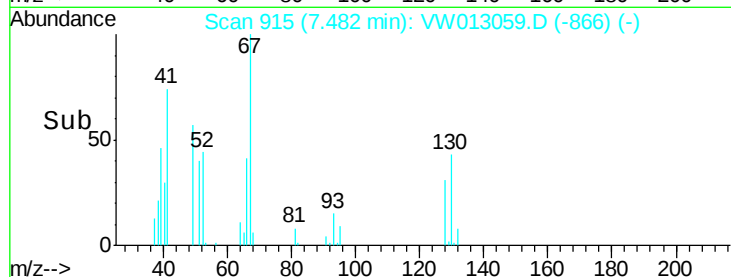
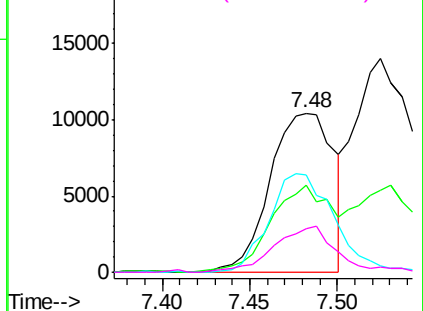
Tot Ion:	41	Resp:	26472
Ion	Ratio	Lower	Upper
41	100		
39	52.1	48.2	72.4
67	63.4	47.5	71.3
52	28.8	21.0	31.4

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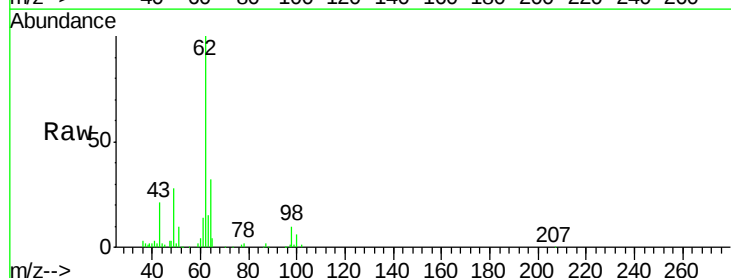


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

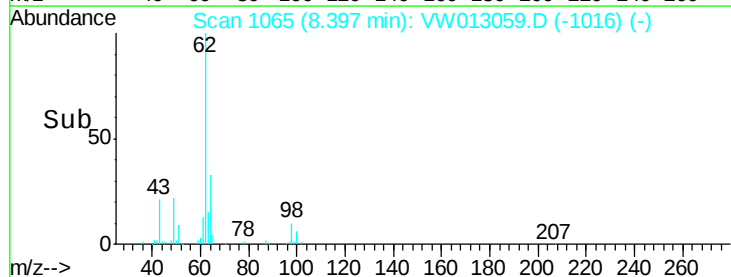
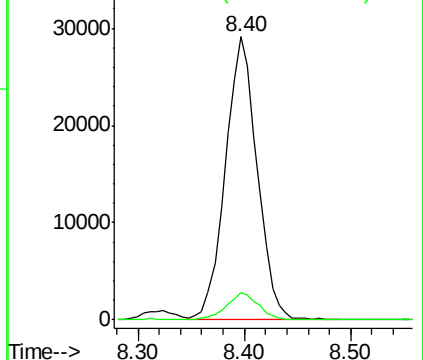


#42
1,2-Dichloroethane
Concen: 21.340 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion:	62	Resp:	60868
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





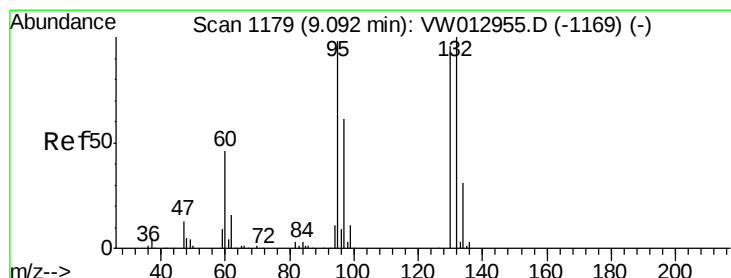
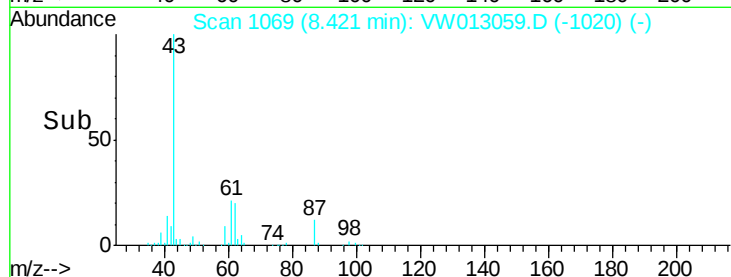
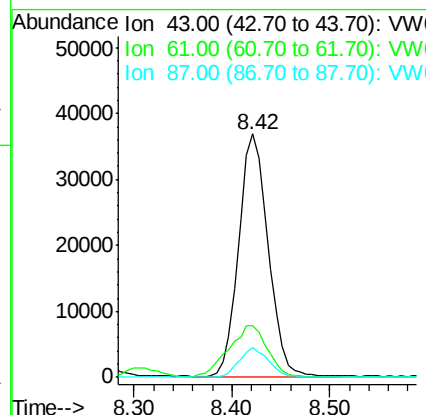
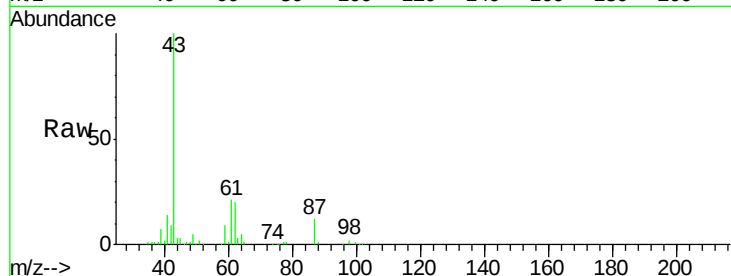
#43
Isopropyl Acetate
Concen: 24.895 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.7	34.1
87	12.2	9.4	14.2

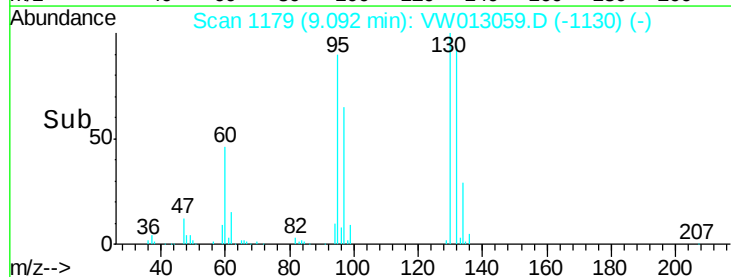
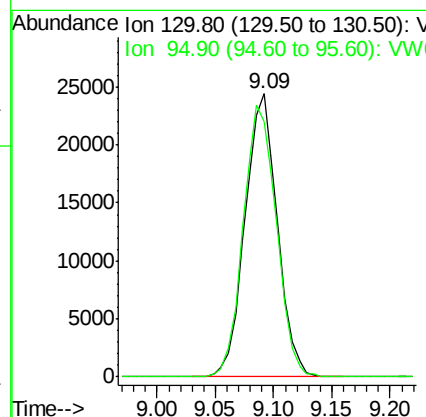
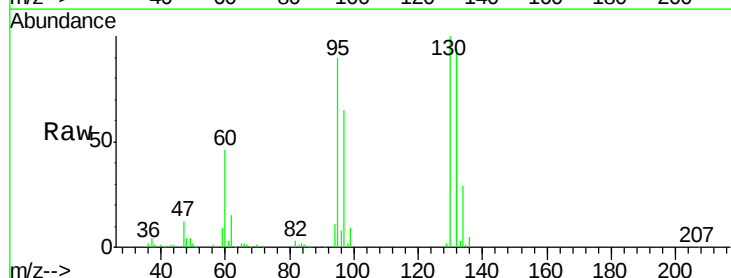
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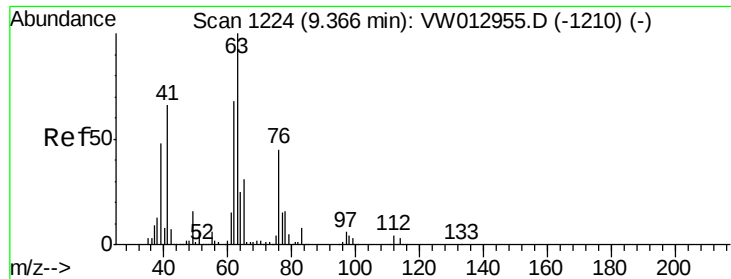
MMDadoda
9/18/2019 2:01:22 PM



#44
Trichloroethene
Concen: 20.230 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	204.4





#45

1,2-Dichloropropane

Concen: 21.521 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 63 Resp: 48651

Ion Ratio Lower Upper

63 100

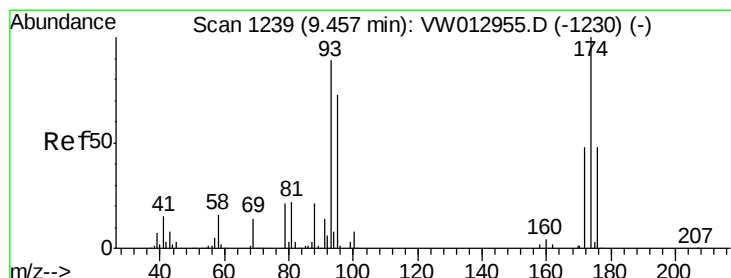
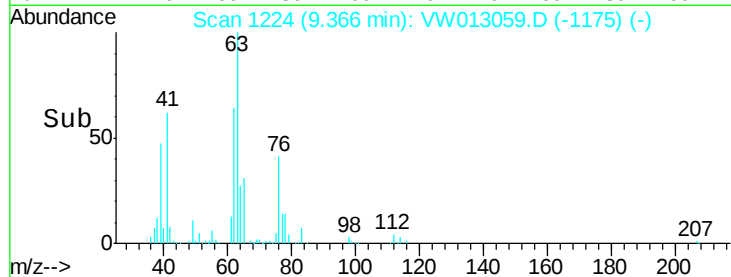
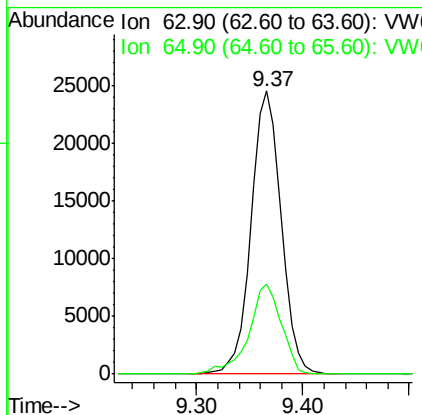
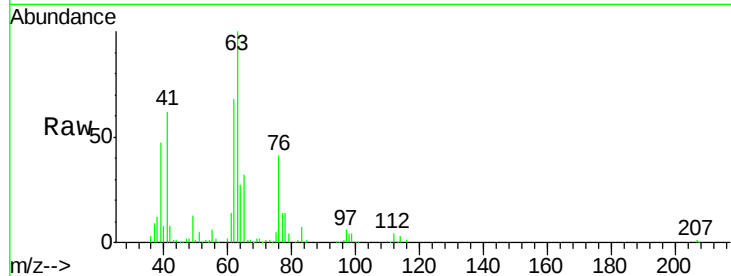
65 31.7 24.6 37.0

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#46

Dibromomethane

Concen: 23.026 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

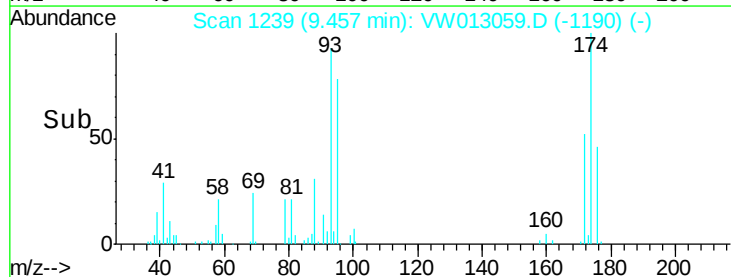
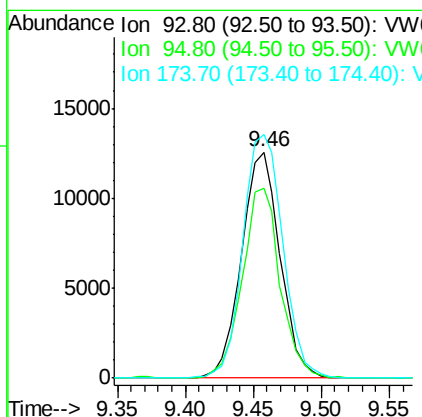
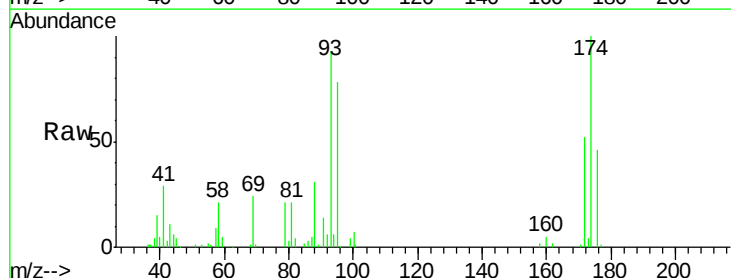
Tgt Ion: 93 Resp: 24939

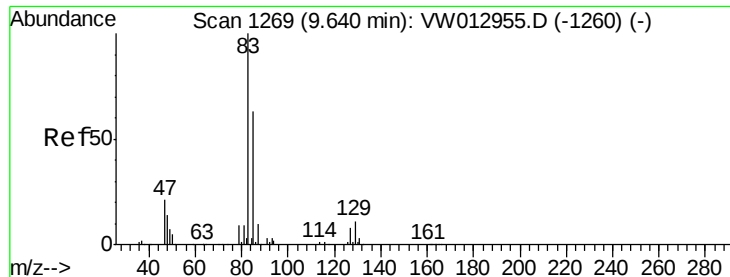
Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 112.0 90.5 135.7





#47

Bromodichloromethane

Concen: 20.605 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

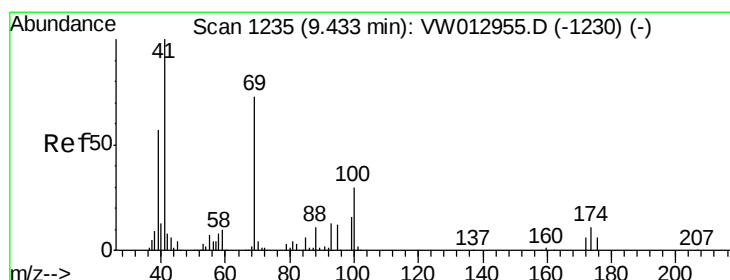
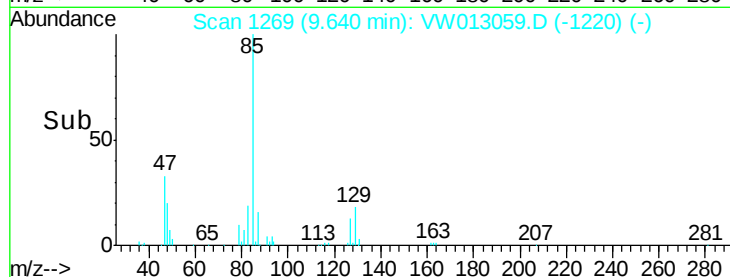
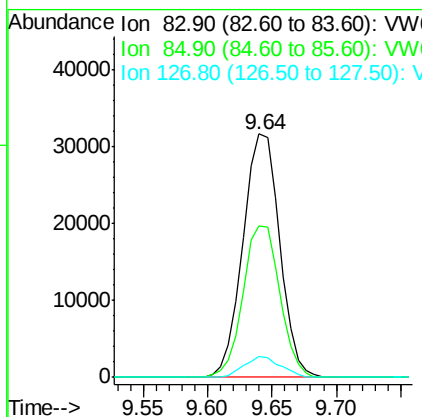
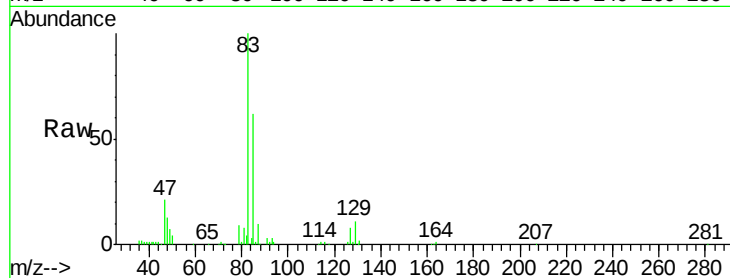
ClientSampleId :

VW0916SBS02

Tot Ion:	83	Resp:	62599
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	75.8
127	8.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 25.641 ug/l

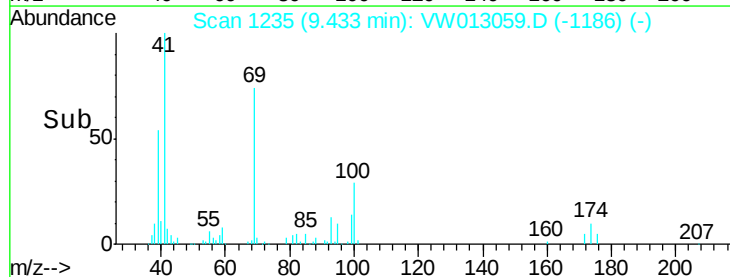
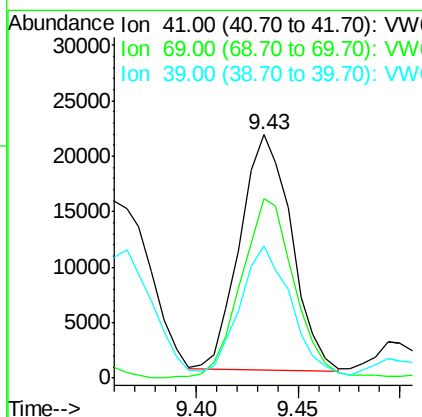
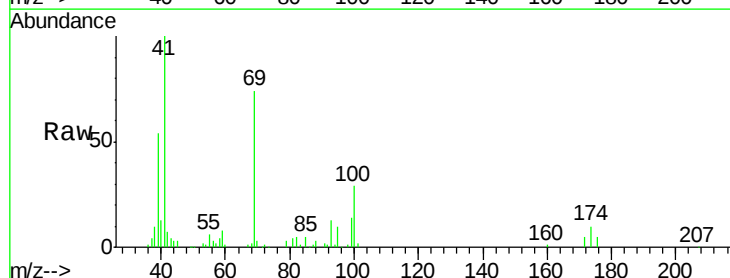
RT: 9.43 min Scan# 1235

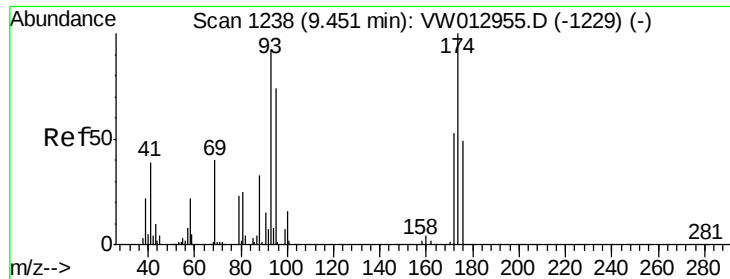
Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	41	Resp:	37379
Ion	Ratio	Lower	Upper
41	100		
69	78.9	62.8	94.2
39	53.5	48.5	72.7





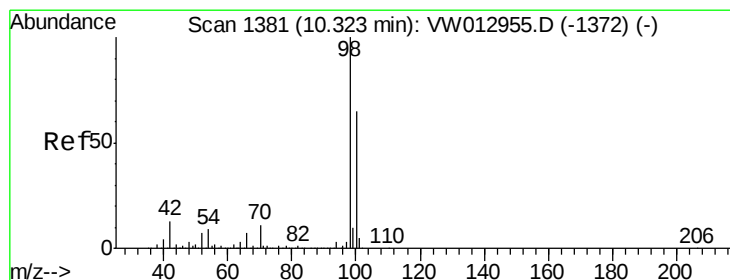
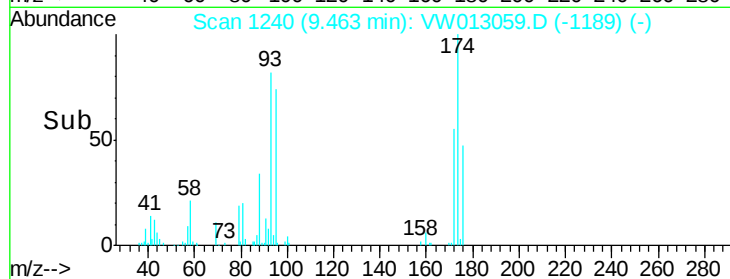
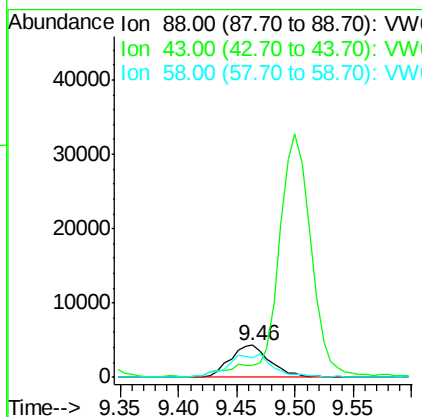
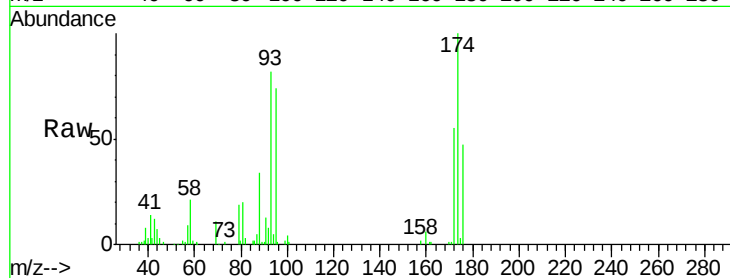
#49
1,4-Dioxane
Concen: 563.525 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	81.6	60.2	90.2

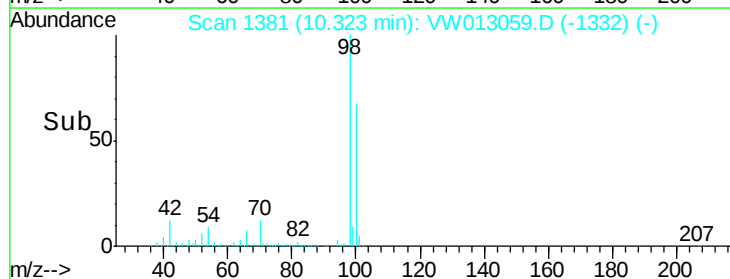
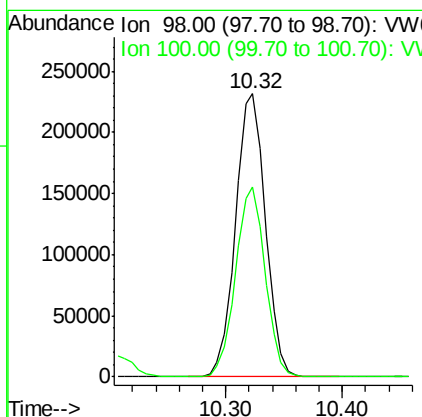
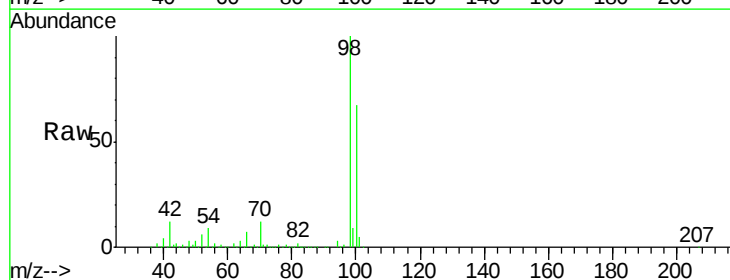
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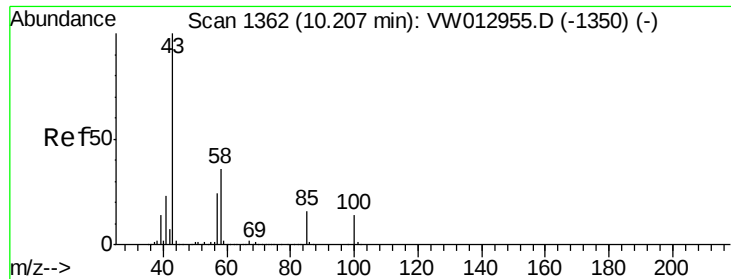
MMDadoda
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#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 137.623 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion: 43 Resp: 220703

Ion Ratio Lower Upper

43 100

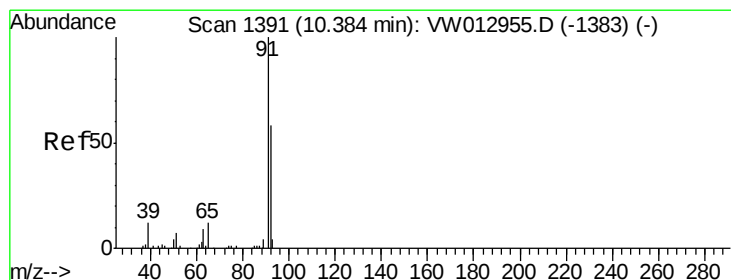
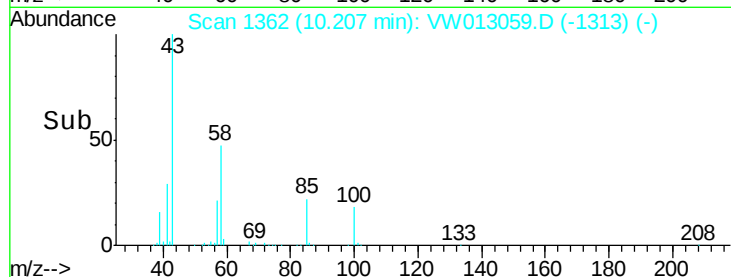
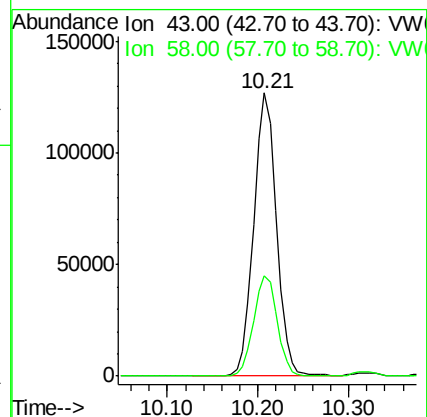
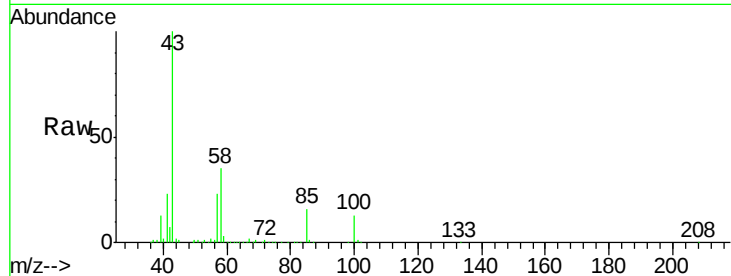
58 36.7 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 21.596 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013059.D

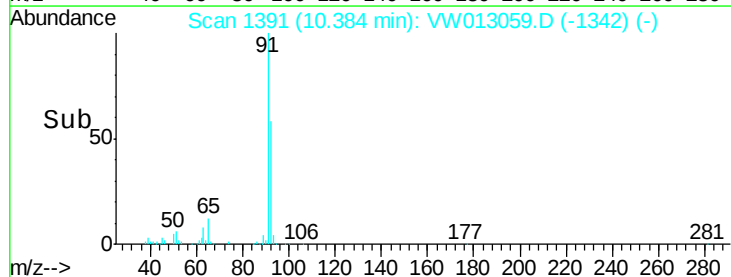
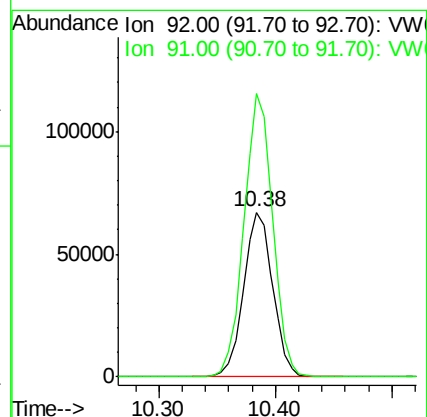
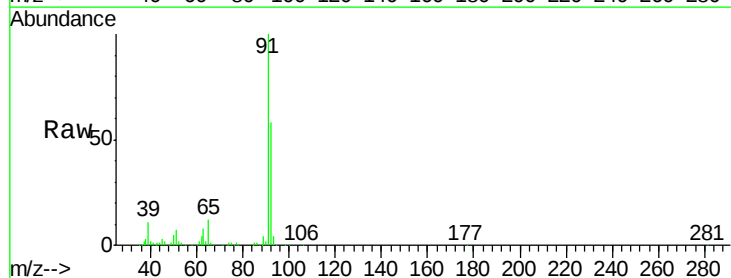
Acq: 17 Sep 2019 00:36

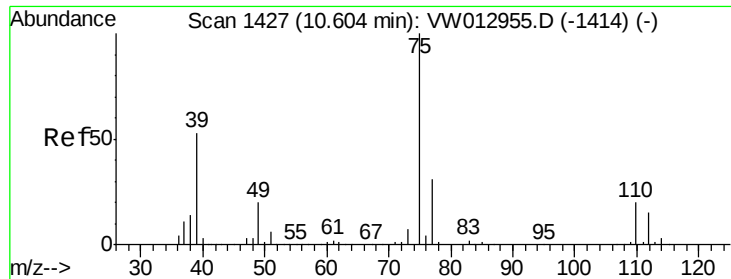
Tgt Ion: 92 Resp: 116763

Ion Ratio Lower Upper

92 100

91 170.5 137.5 206.3





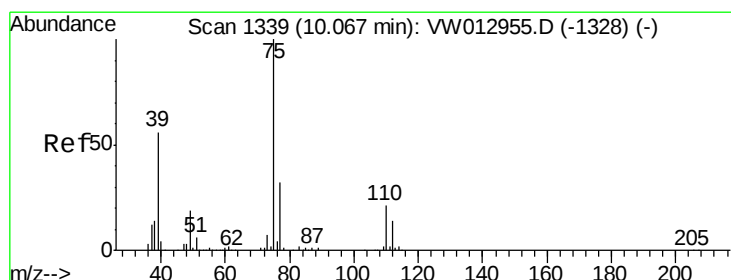
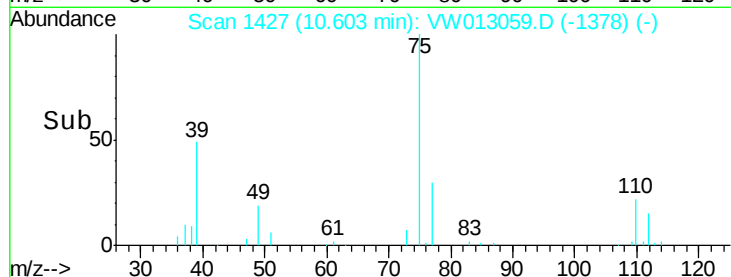
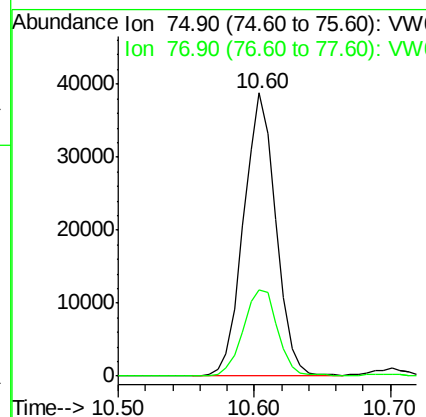
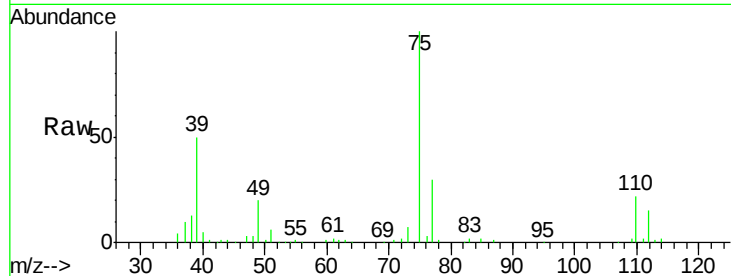
#53
 t-1,3-Dichloropropene
 Concen: 21.059 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Tot Ion: 75 Resp: 64344
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.6 37.0

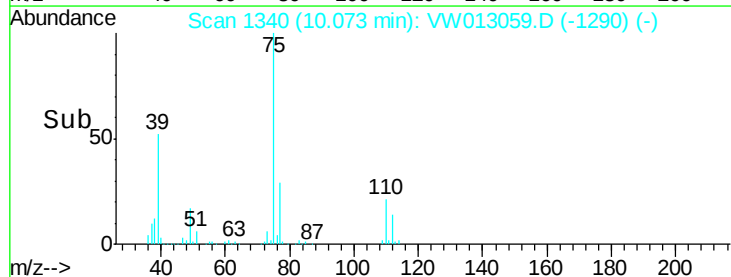
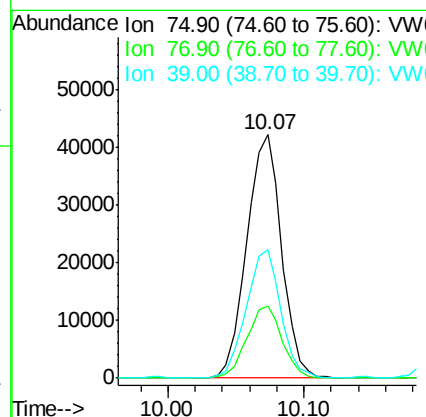
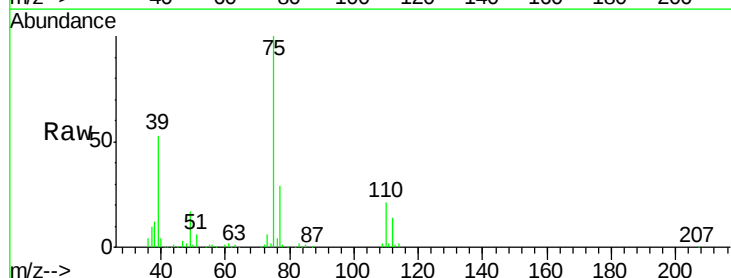
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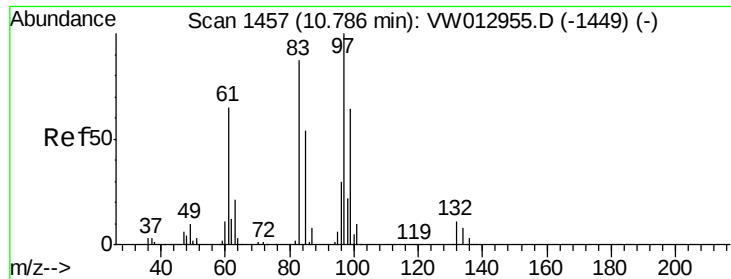
MMDadoda
 9/18/2019 2:01:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.562 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion: 75 Resp: 75378
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.5 38.3
 39 52.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 23.229 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

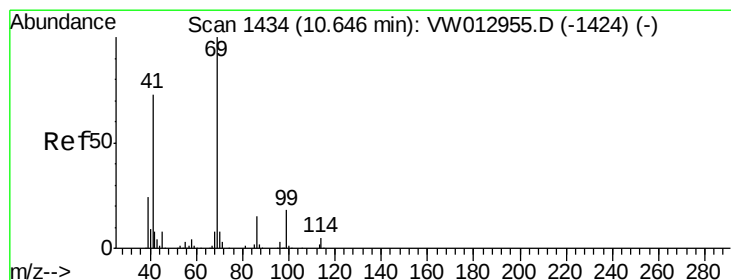
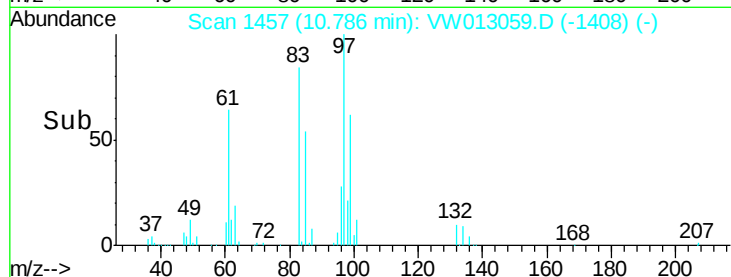
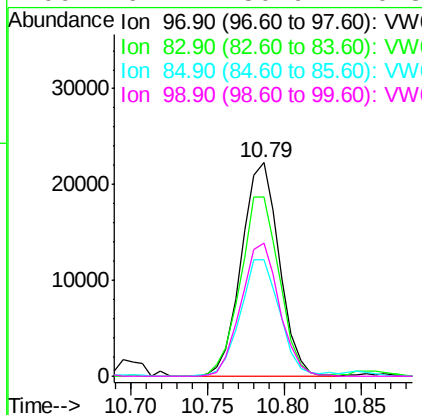
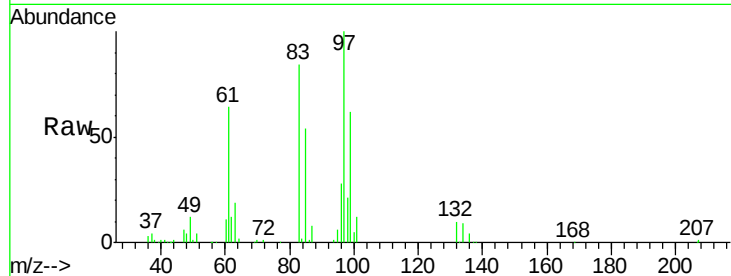
ClientSampleId :

VW0916SBSD02

Tot Ion:	97	Resp:	38326
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.4	104.0
85	54.5	43.3	64.9
99	62.1	50.9	76.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 25.159 ug/l

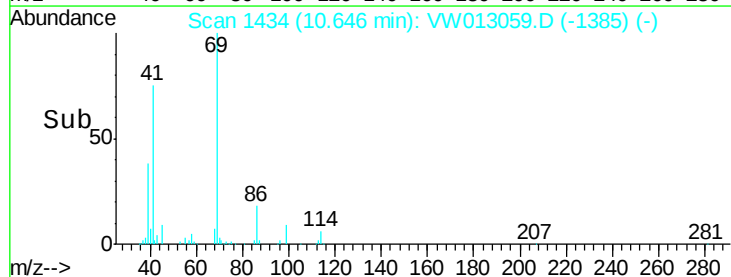
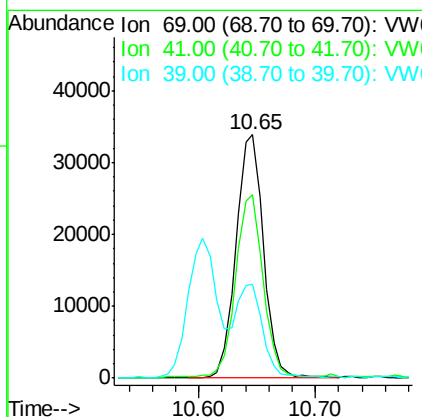
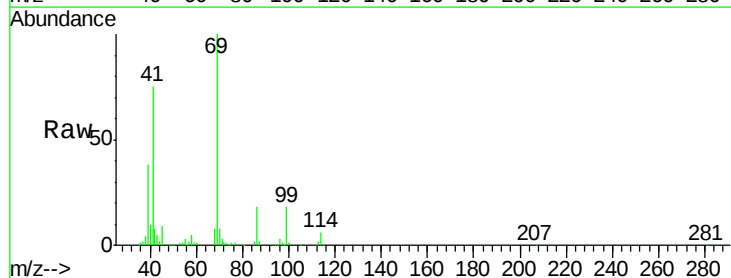
RT: 10.65 min Scan# 1434

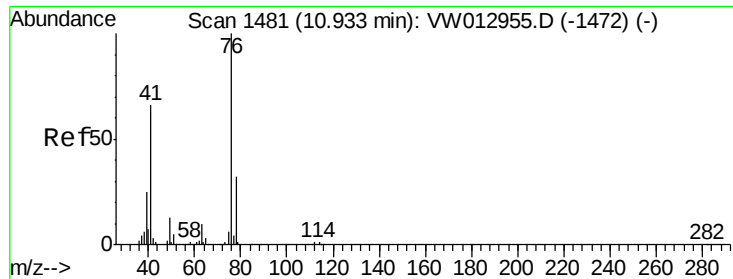
Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	69	Resp:	55876
Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.8	91.2
39	34.7	29.4	44.0





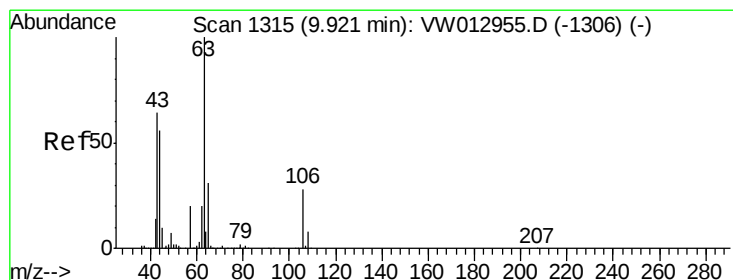
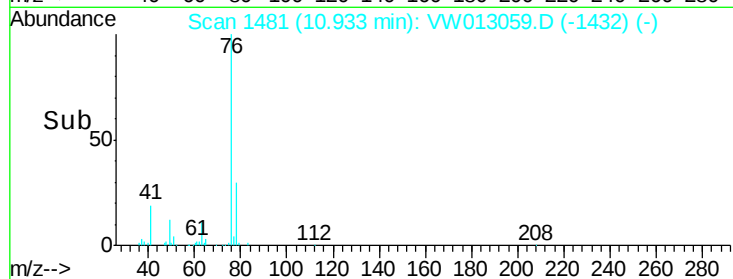
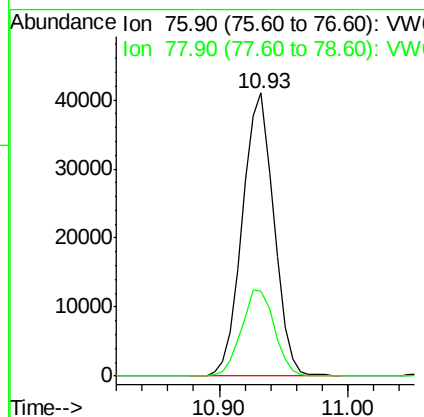
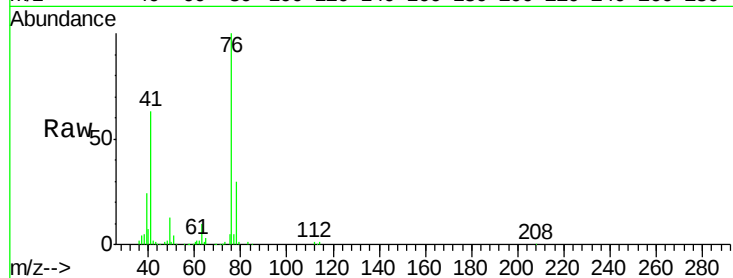
#57
 1,3-Dichloropropane
 Concen: 23.688 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

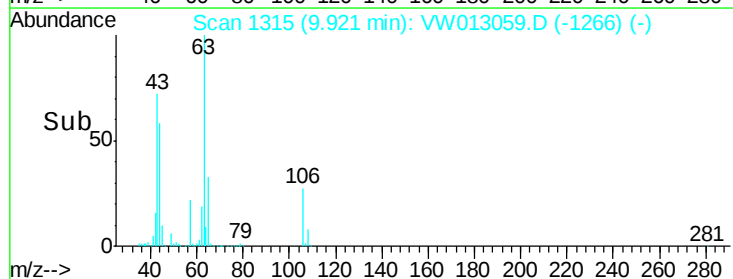
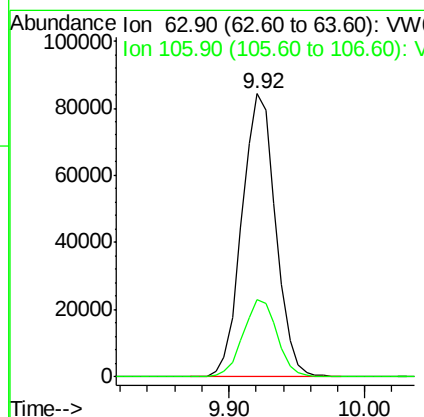
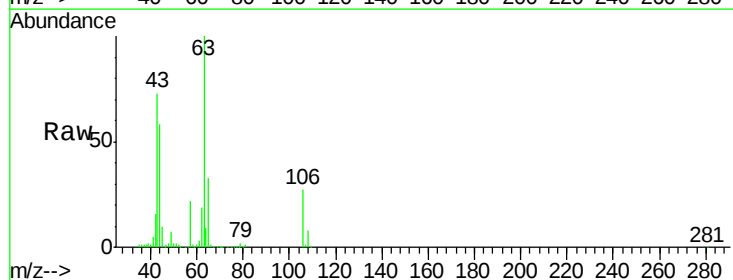
Manual Integrations
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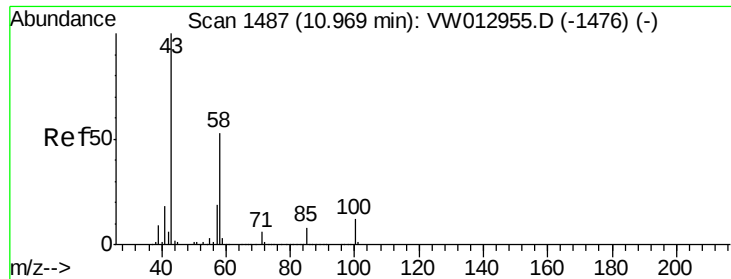
MMDadoda
 9/18/2019 2:01:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.318 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	22.2	33.2





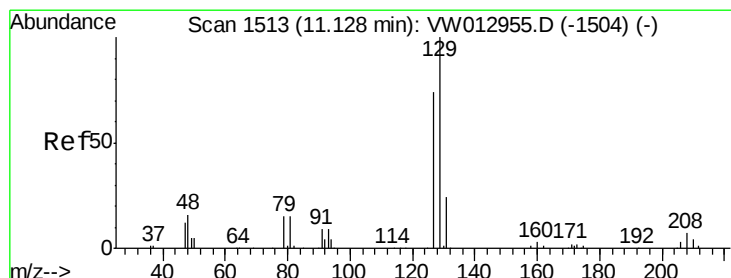
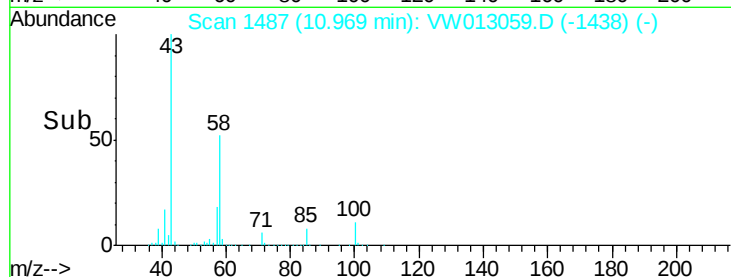
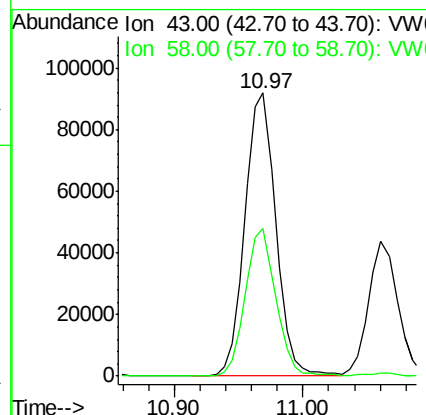
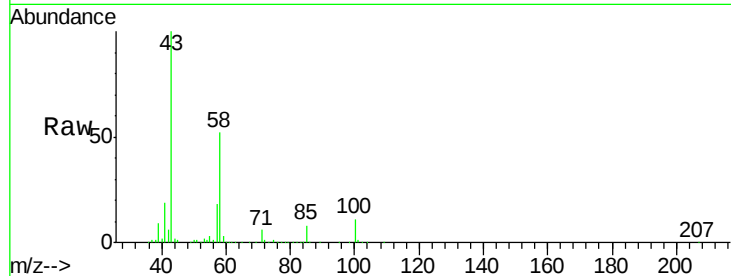
#59
2-Hexanone
Concen: 136.355 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampled :
VW0916SBS02

Tot Ion: 43 Resp: 152262
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3

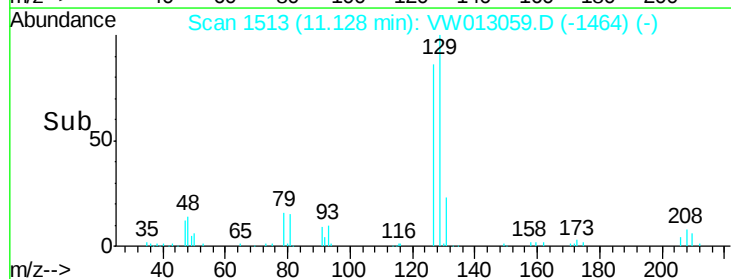
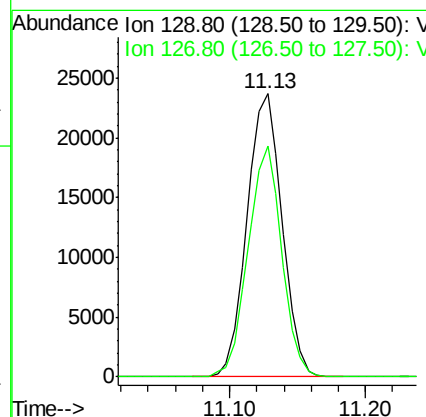
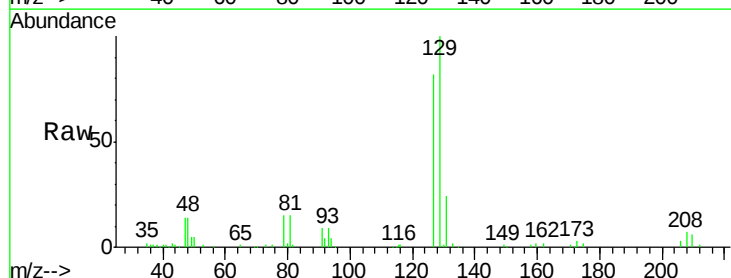
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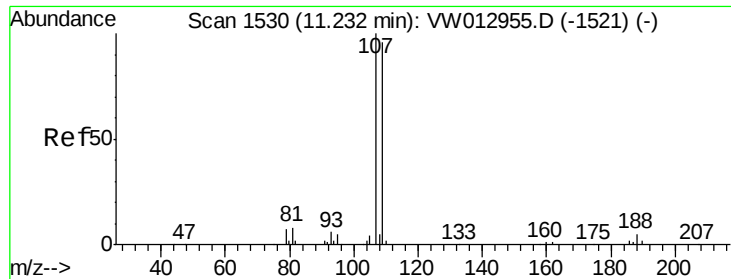
MMDadoda
9/18/2019 2:01:22 PM



#60
Dibromochloromethane
Concen: 21.420 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion: 129 Resp: 42729
Ion Ratio Lower Upper
129 100
127 78.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 24.697 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion: 107 Resp: 37173

Ion Ratio Lower Upper

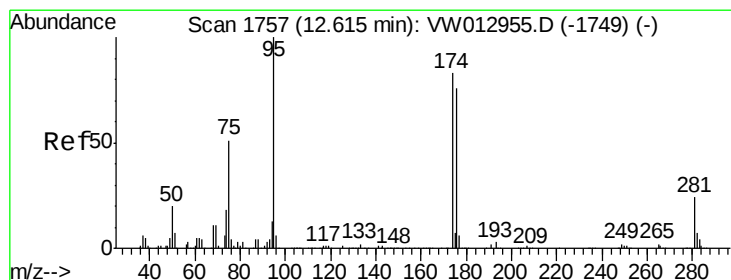
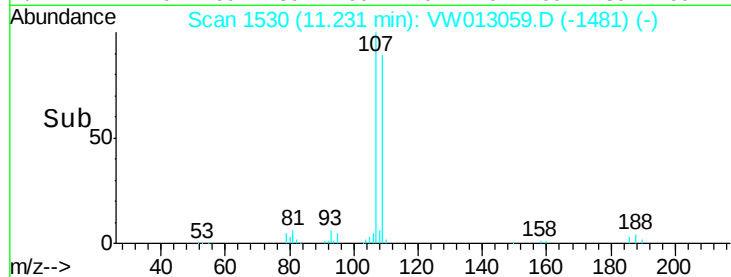
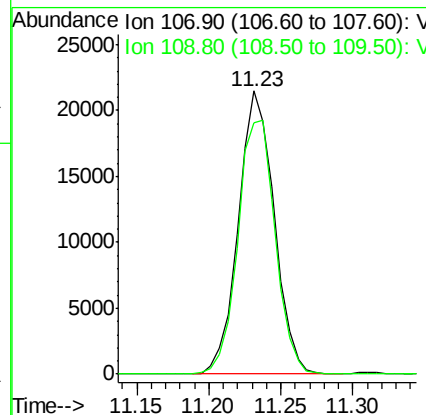
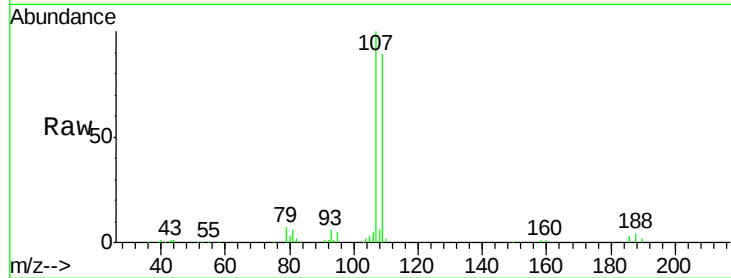
107 100

109 93.2 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 50.836 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

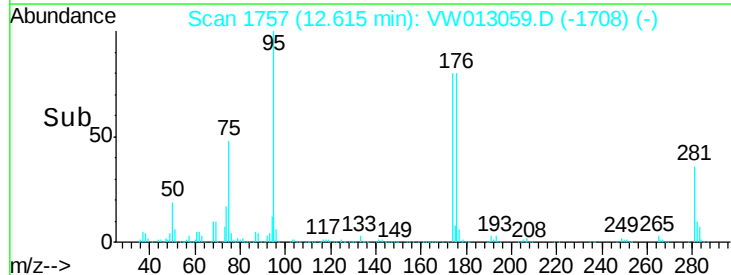
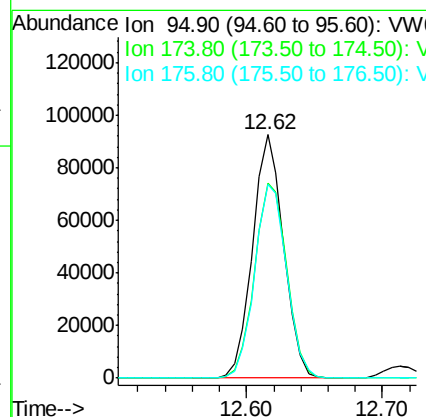
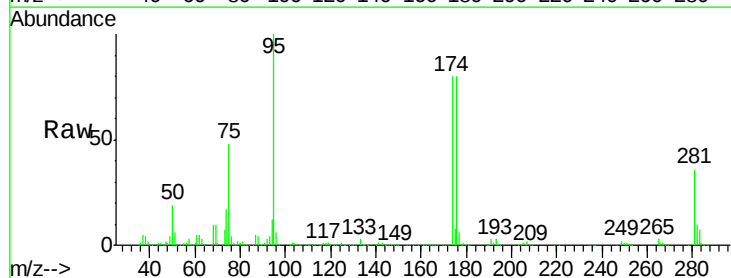
Tgt Ion: 95 Resp: 148043

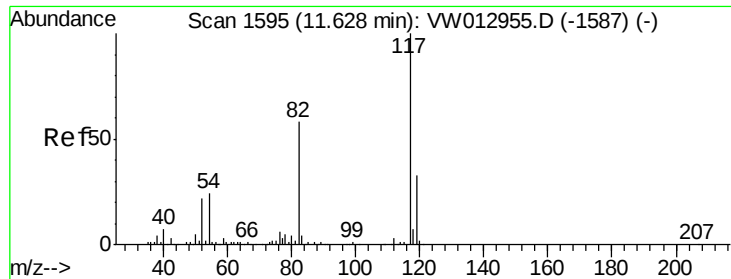
Ion Ratio Lower Upper

95 100

174 83.3 0.0 170.4

176 82.1 0.0 164.6





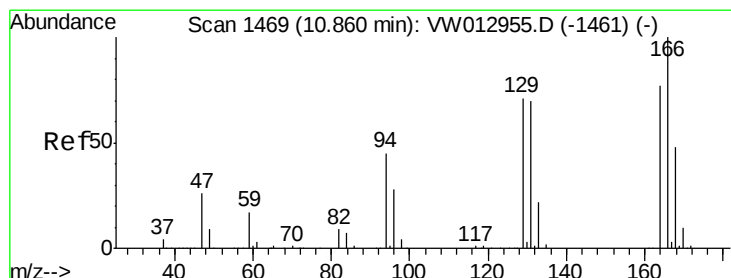
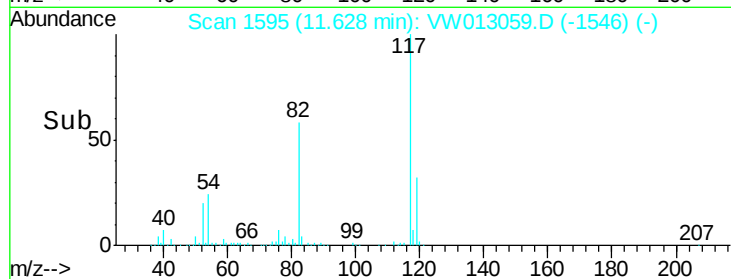
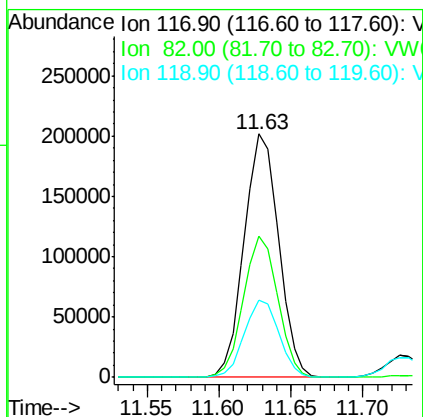
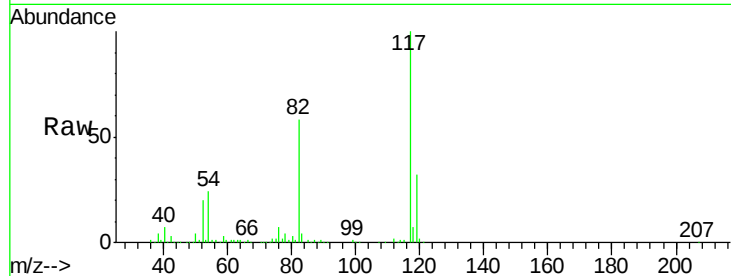
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	335395		
82	57.9	46.3	69.5	
119	31.7	26.2	39.4	

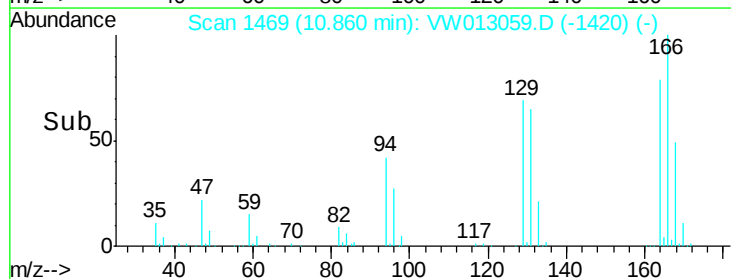
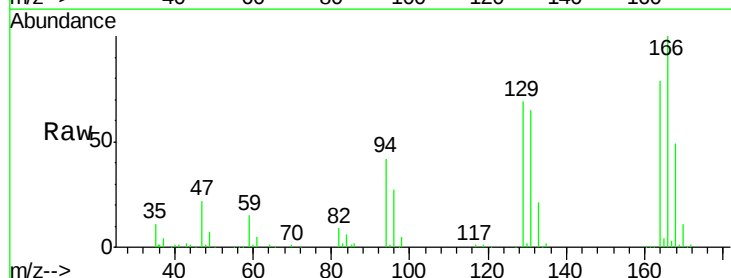
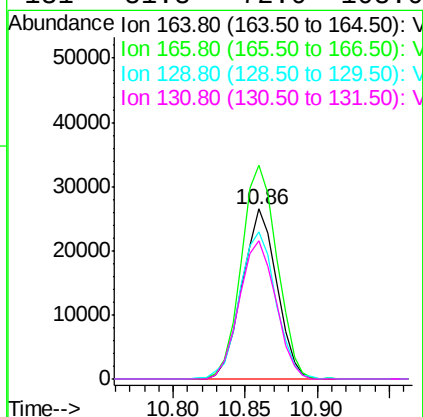
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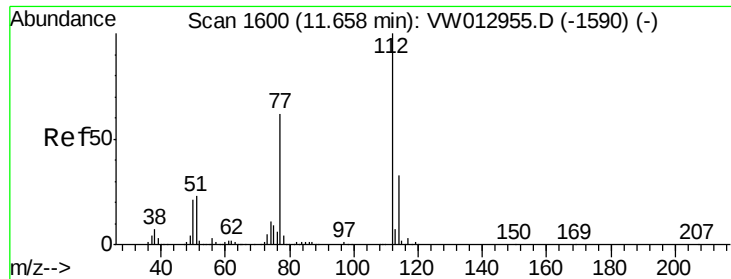
MMDadoda
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#64
Tetrachloroethene
Concen: 22.211 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44317		
166	125.8	103.3	154.9	
129	87.0	73.8	110.8	
131	81.8	72.0	108.0	





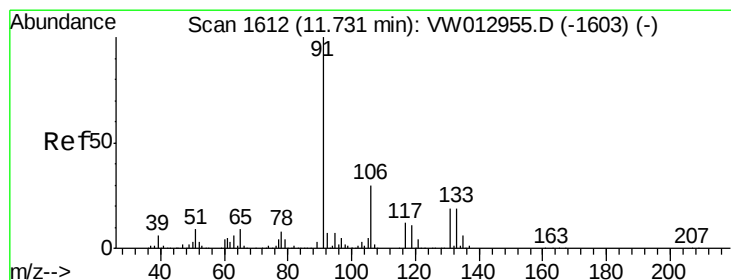
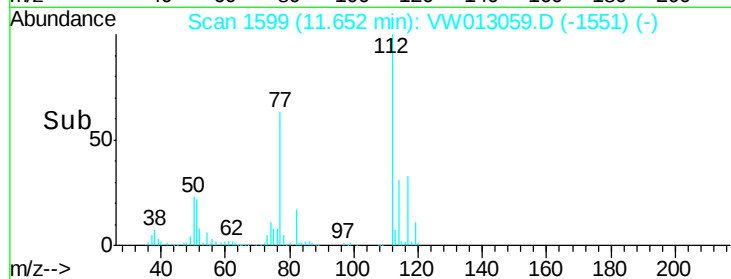
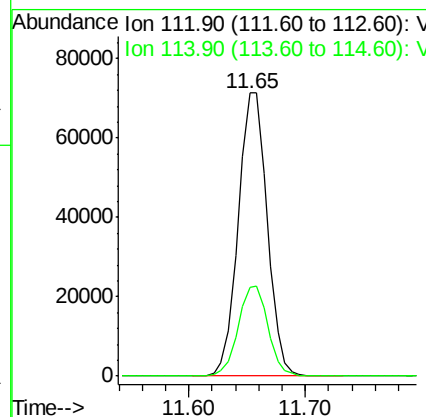
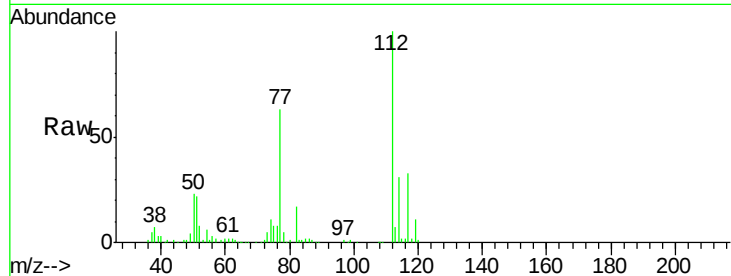
#65
Chlorobenzene
Concen: 20.749 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	123958		
114	31.3	26.4	39.6	

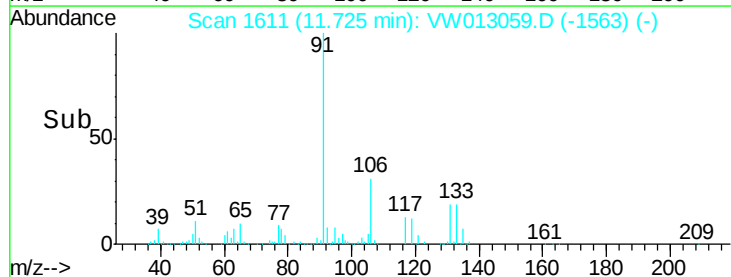
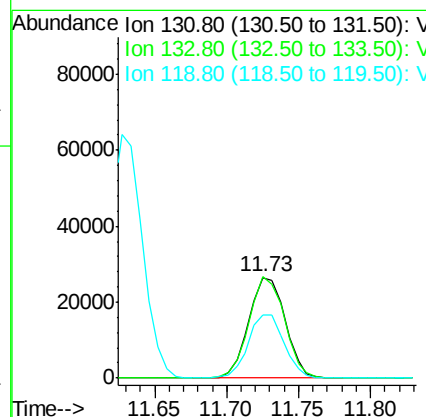
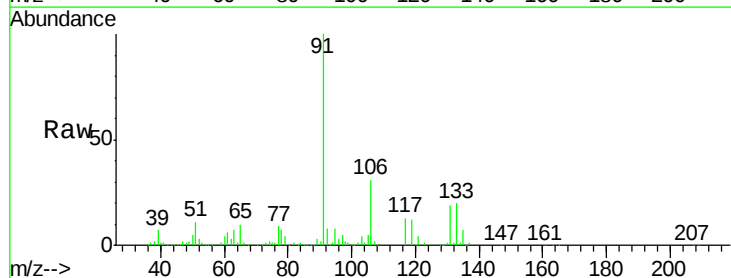
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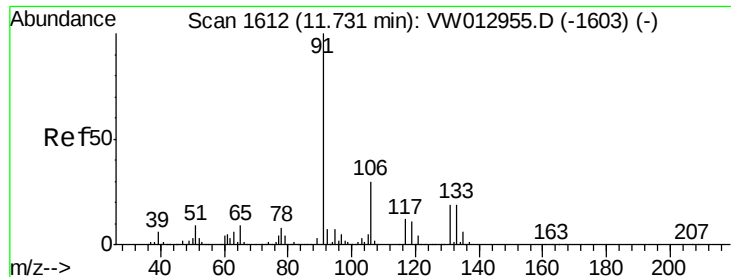
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.252 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	46366		
133	98.1	47.9	143.8	
119	62.2	30.9	92.7	





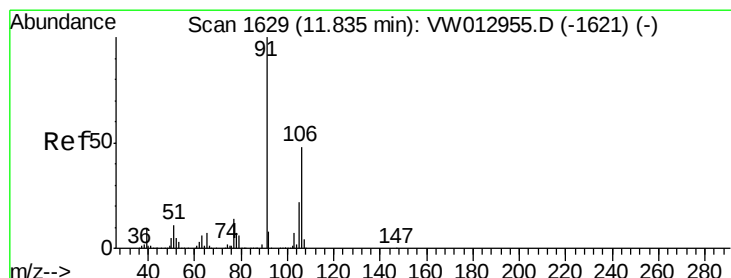
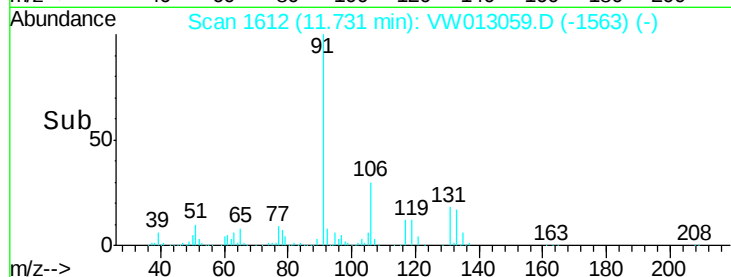
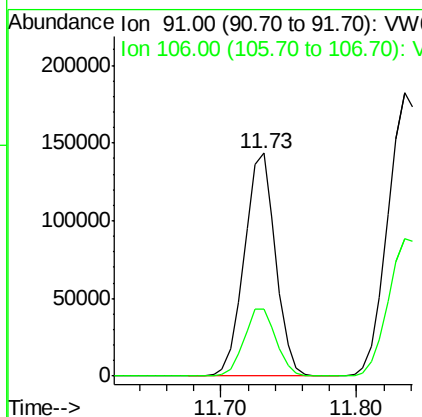
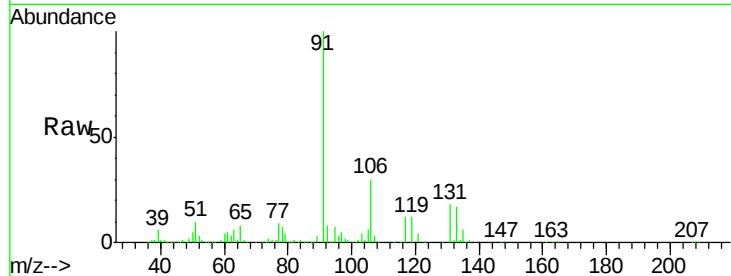
#67
Ethyl Benzene
Concen: 20.893 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

Tot Ion: 91 Resp: 230524
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

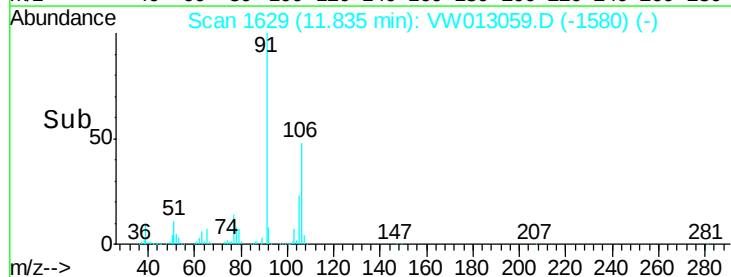
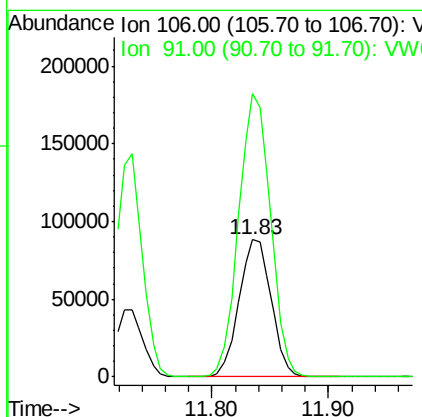
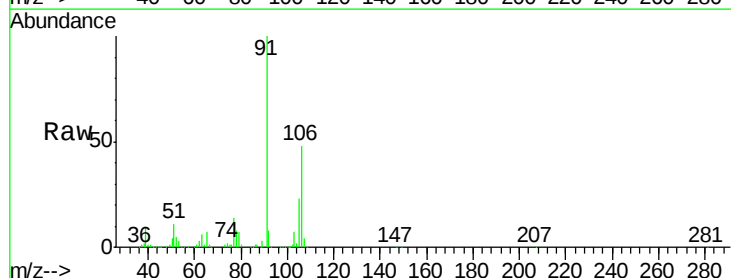
Manual Integrations
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#68
m/p-Xylenes
Concen: 42.202 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion: 106 Resp: 170103
Ion Ratio Lower Upper
106 100
91 205.3 165.8 248.8





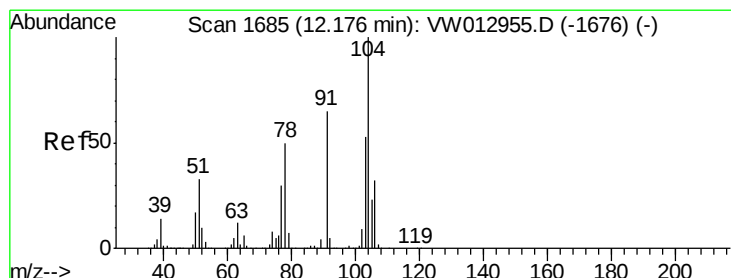
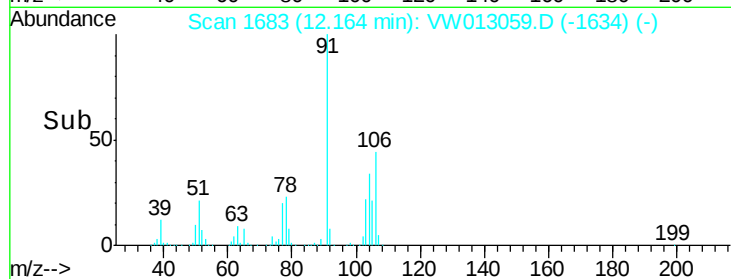
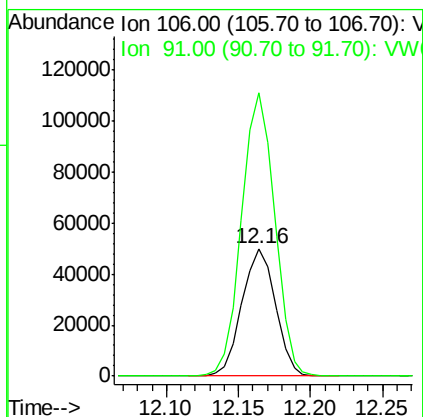
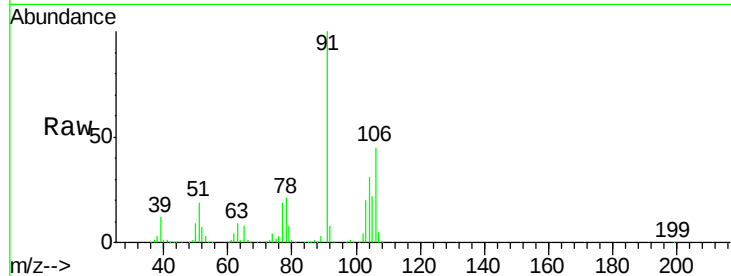
#69
o-Xylene
Concen: 21.291 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

Tot Ion:106 Resp: 80457
Ion Ratio Lower Upper
106 100
91 219.8 109.7 329.0

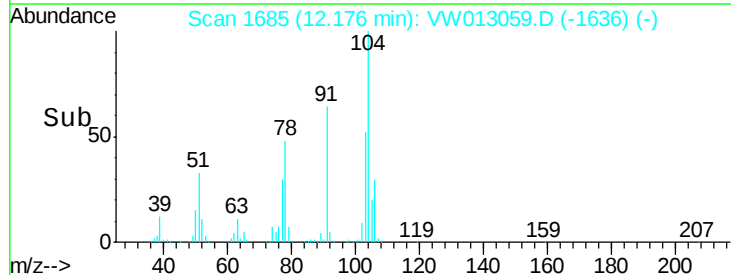
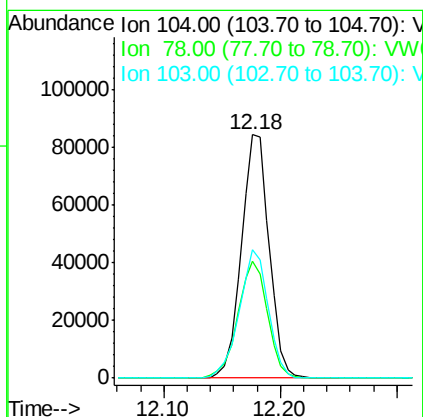
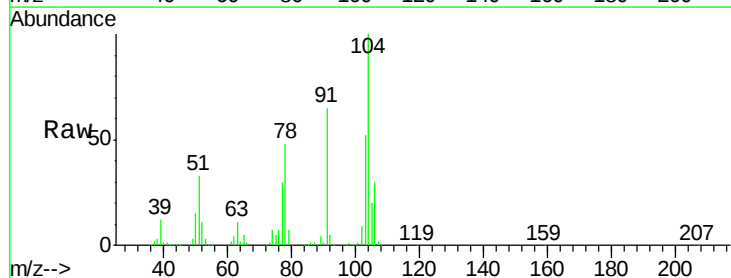
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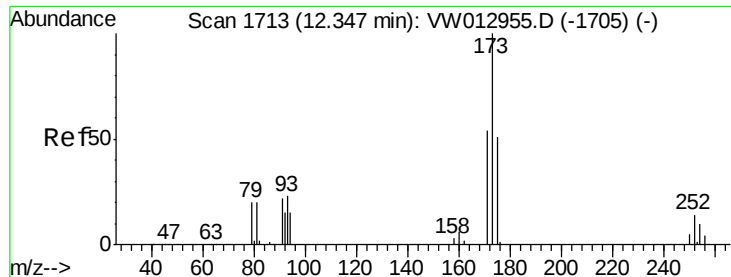
MMDadoda
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#70
Styrene
Concen: 20.910 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion:104 Resp: 140561
Ion Ratio Lower Upper
104 100
78 51.0 42.1 63.1
103 55.1 44.2 66.4





#71

Bromoform

Concen: 22.373 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

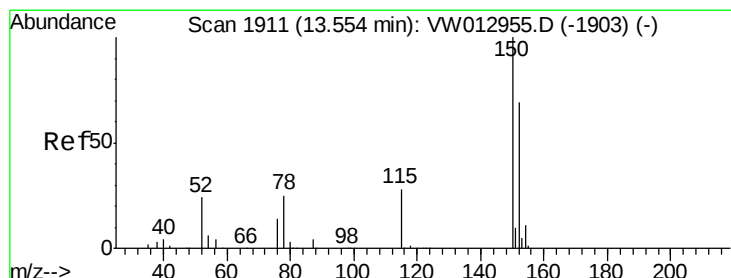
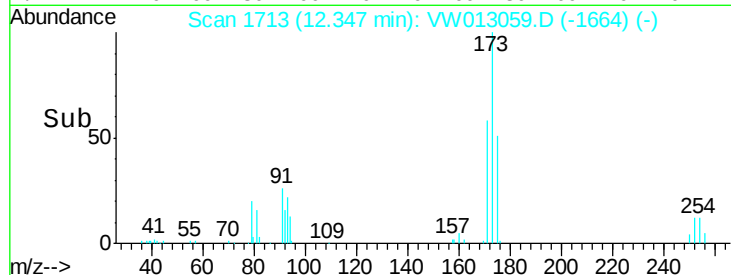
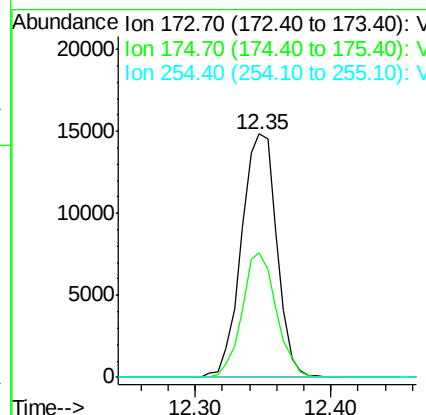
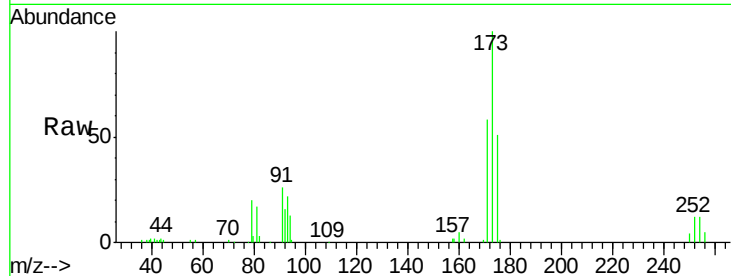
ClientSampleId :

VW0916SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

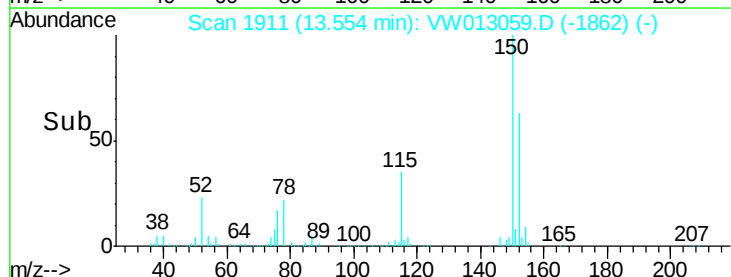
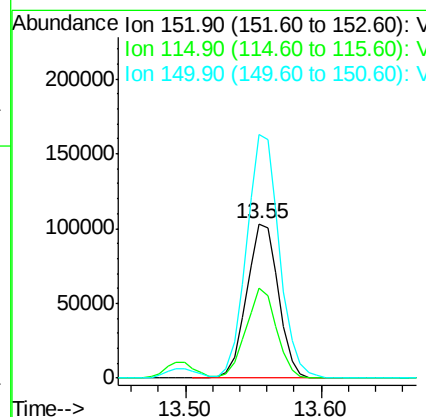
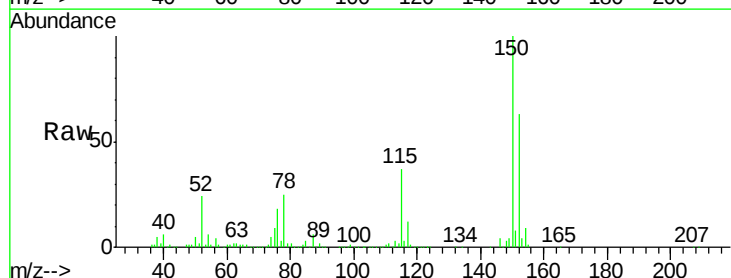
RT: 13.55 min Scan# 1911

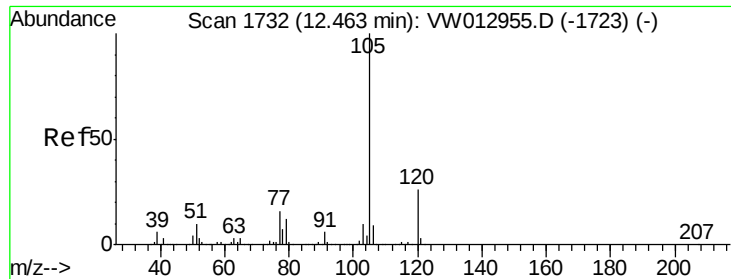
Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.8	86.4
150	163.2	0.0	340.2





#73

Isopropylbenzene

Concen: 21.290 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion:105 Resp: 236437

Ion Ratio Lower Upper

105 100

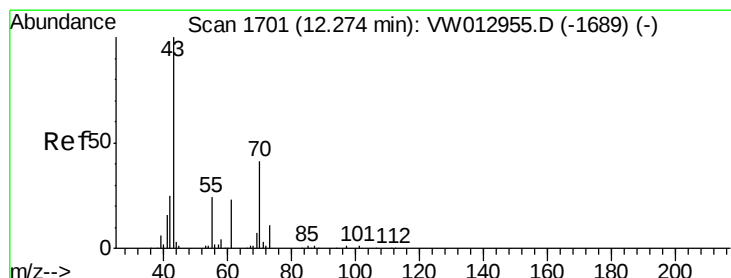
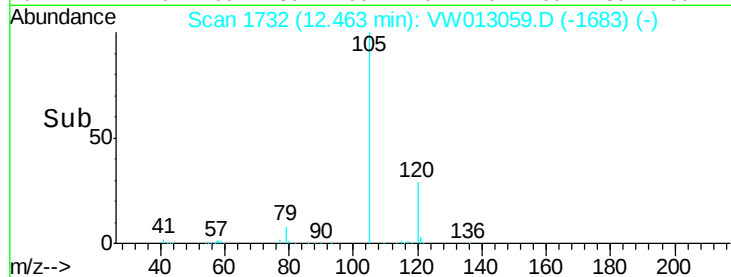
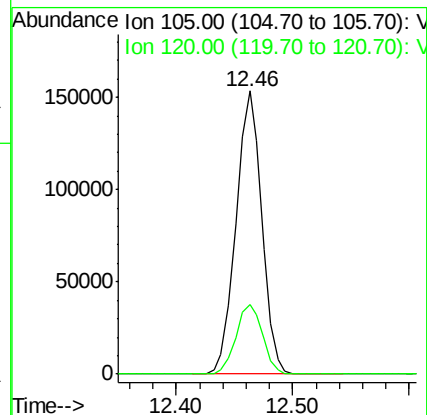
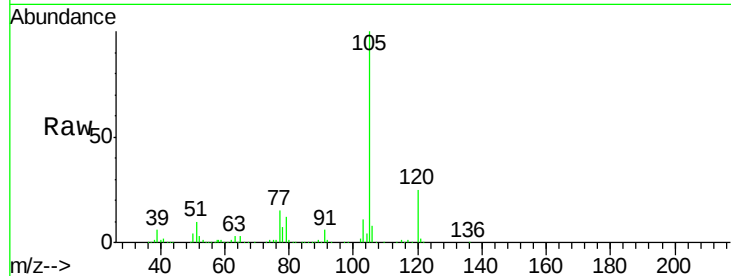
120 25.4 13.0 39.0

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#74

N-ethyl acetate

Concen: 24.059 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion: 43 Resp: 68730

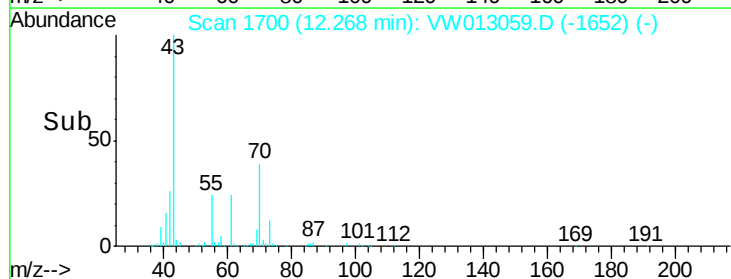
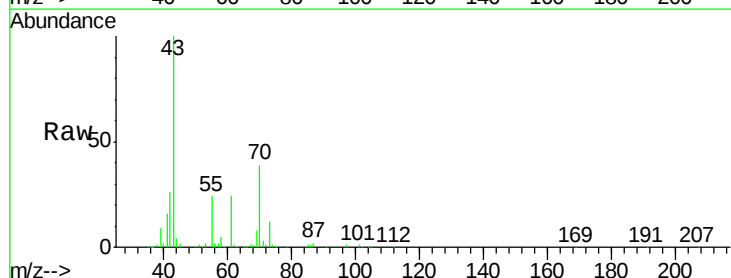
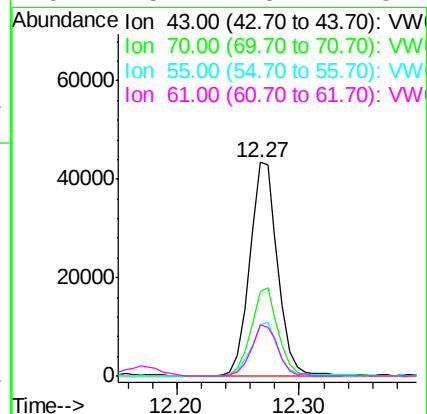
Ion Ratio Lower Upper

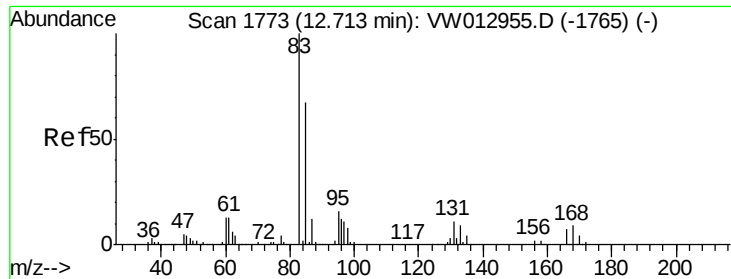
43 100

70 39.9 31.7 47.5

55 23.8 19.4 29.2

61 23.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 25.564 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

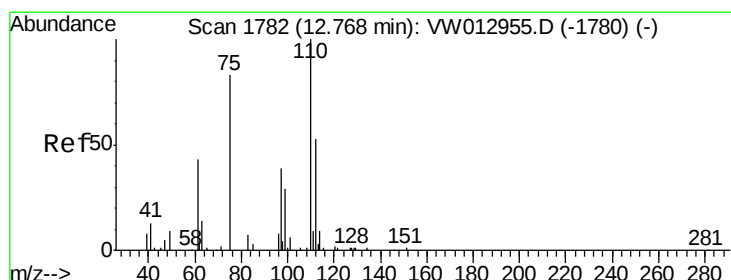
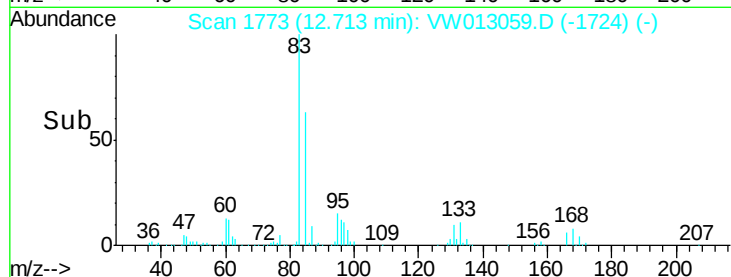
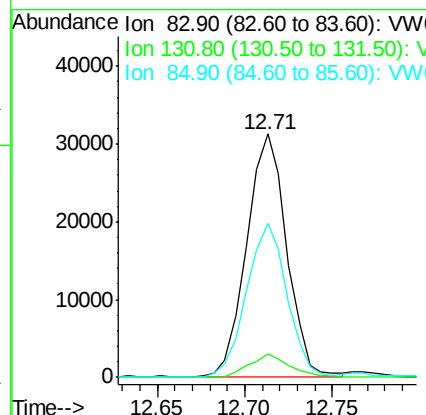
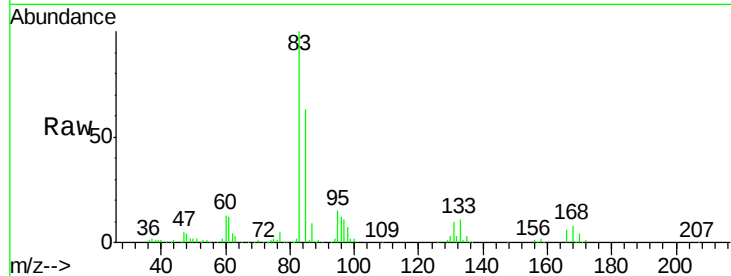
ClientSampleId :

VW0916SBSD02

Tot Ion:	83	Resp:	49862
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.7	17.1
85	63.7	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 27.062 ug/l m

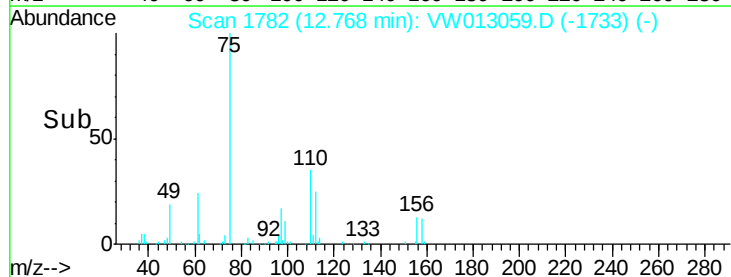
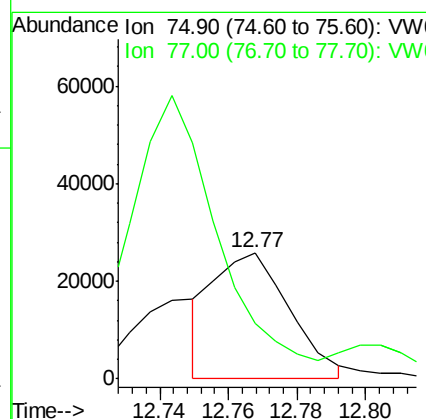
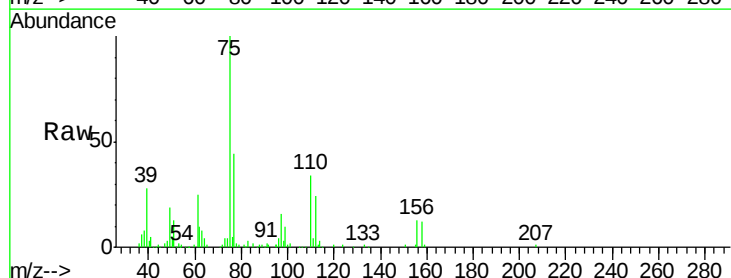
RT: 12.77 min Scan# 1782

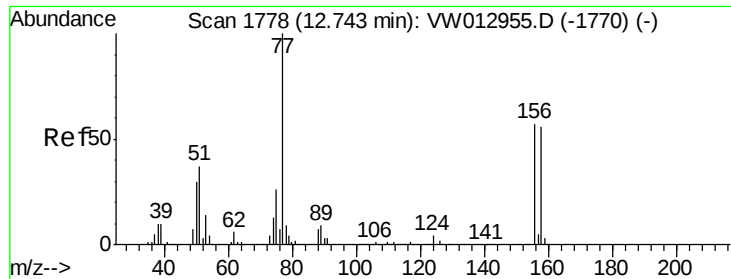
Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	75	Resp:	39715
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.263 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

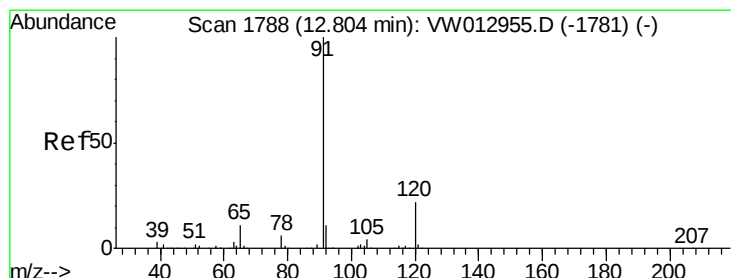
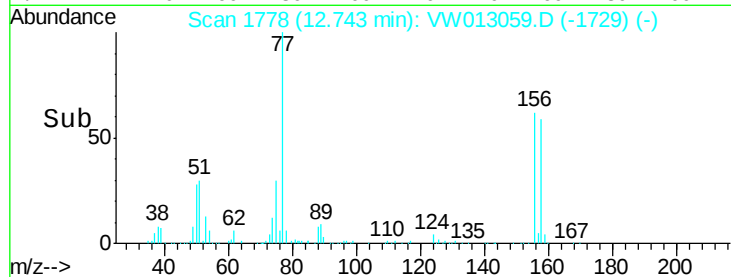
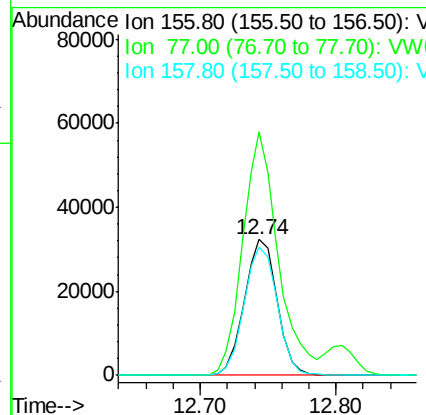
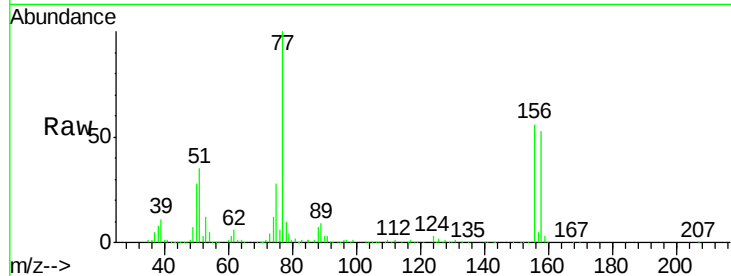
ClientSampleId :

VW0916SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.5	95.2	285.6
158	96.1	49.0	147.2

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#78

n-propylbenzene

Concen: 20.696 ug/l

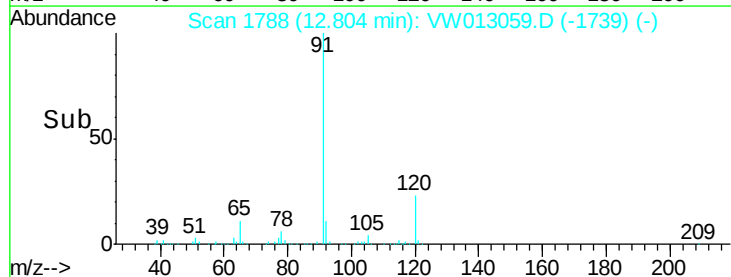
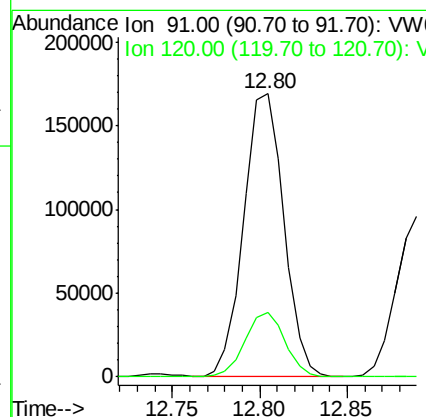
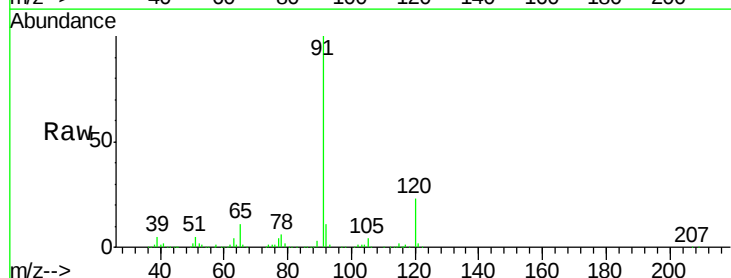
RT: 12.80 min Scan# 1788

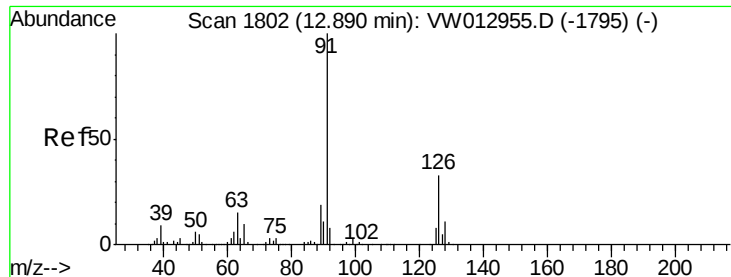
Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.605 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBSD02

Tot Ion: 91 Resp: 154731

Ion Ratio Lower Upper

91 100

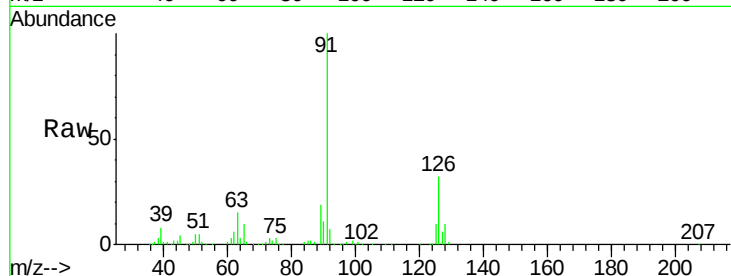
126 32.9 16.5 49.5

Manual Integrations

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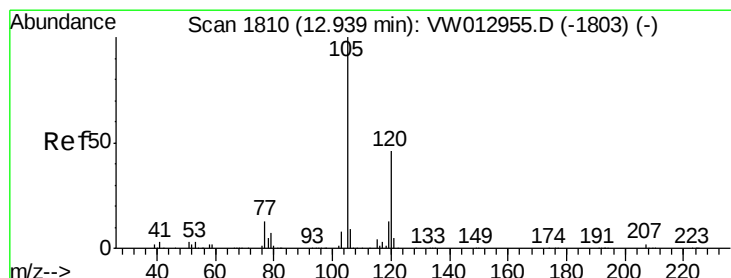
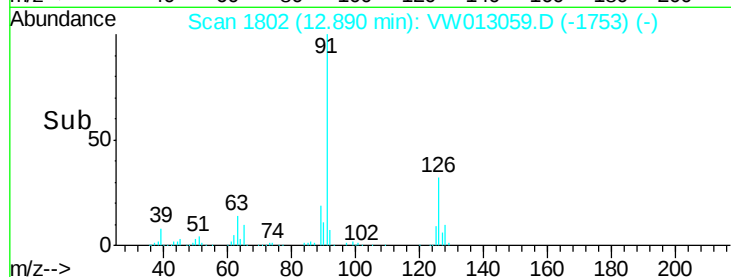
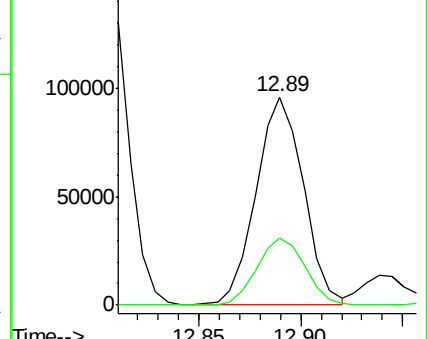
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.056 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013059.D

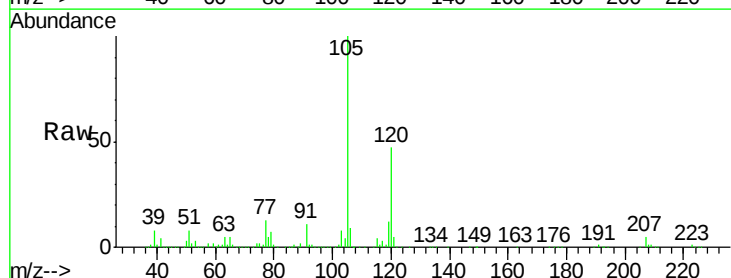
Acq: 17 Sep 2019 00:36

Tgt Ion:105 Resp: 197826

Ion Ratio Lower Upper

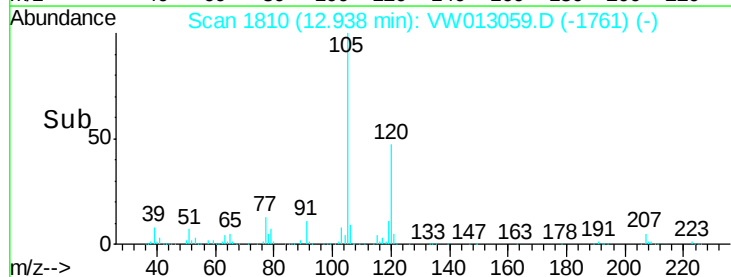
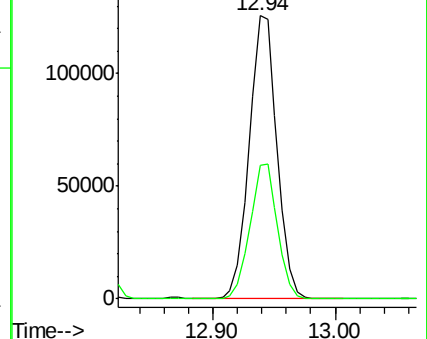
105 100

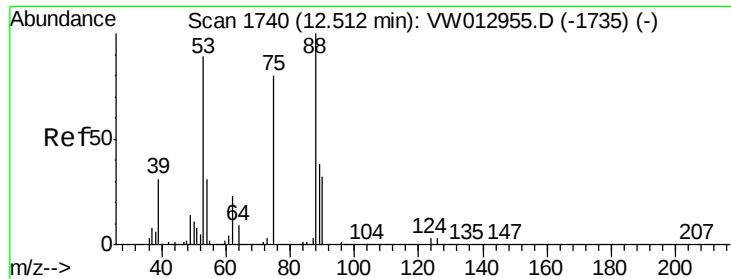
120 47.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





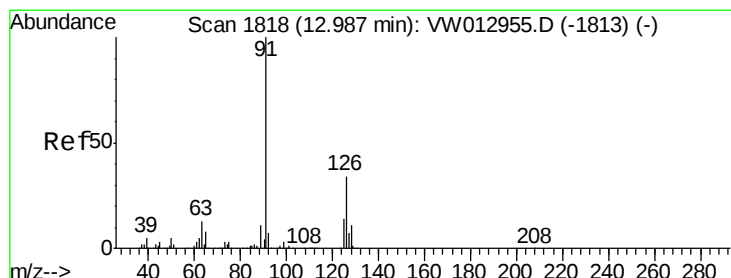
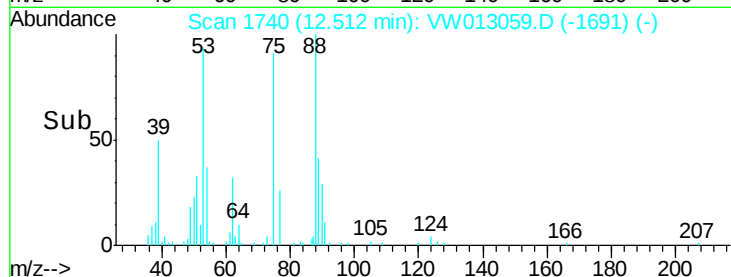
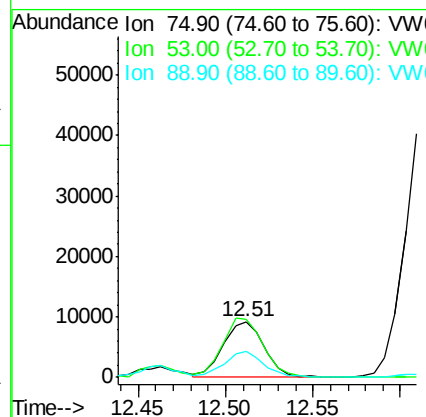
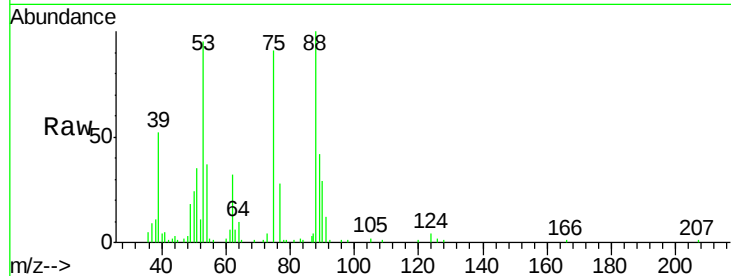
#81
trans-1,4-Dichloro-2-butene
Concen: 23.254 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	85.6	128.4
89	44.6	37.2	55.8

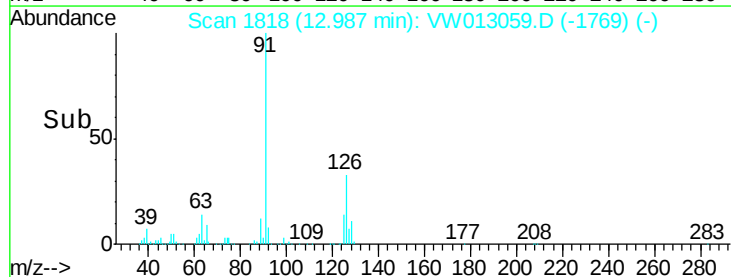
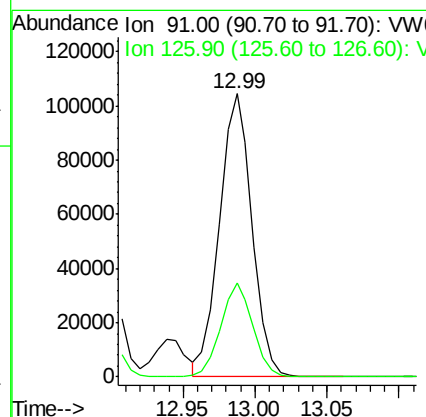
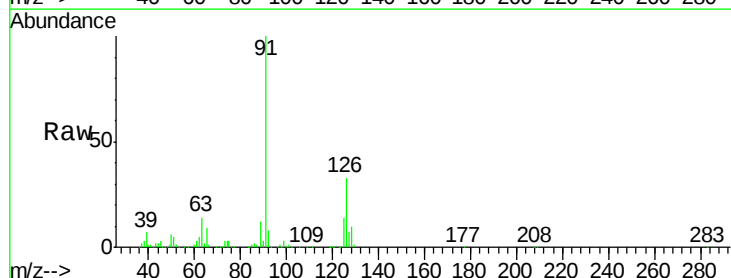
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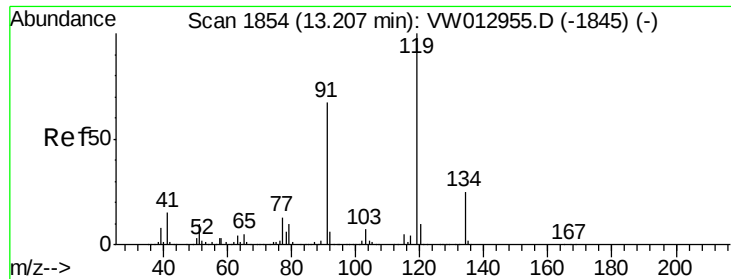
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#82
4-Chlorotoluene
Concen: 20.704 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3





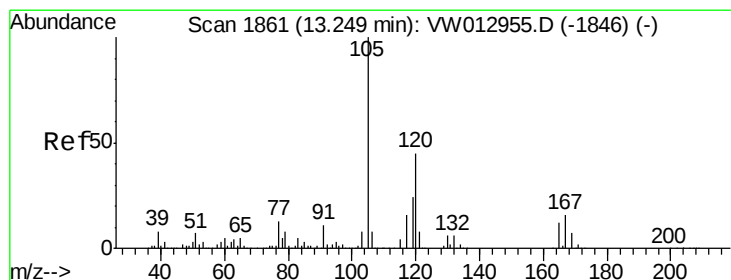
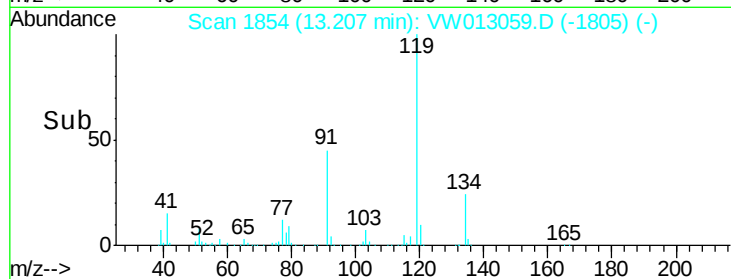
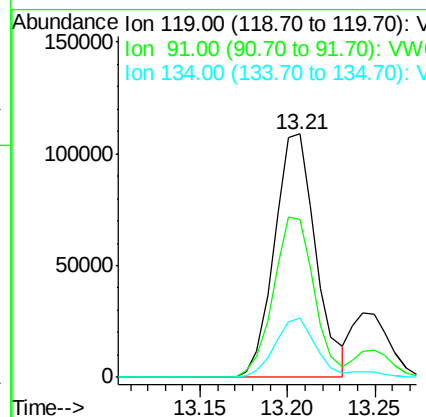
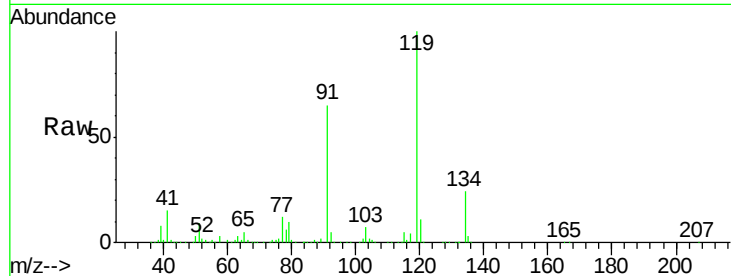
#83
tert-Butylbenzene
Concen: 21.301 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.6	98.0
134	24.1	12.4	37.4

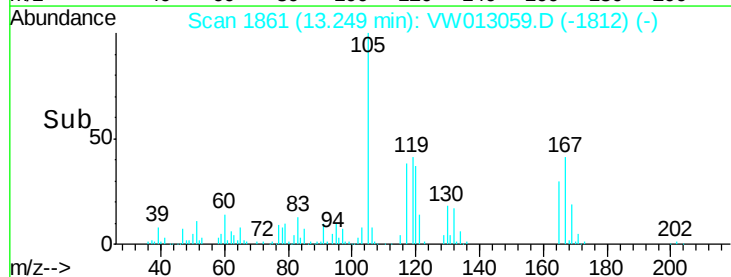
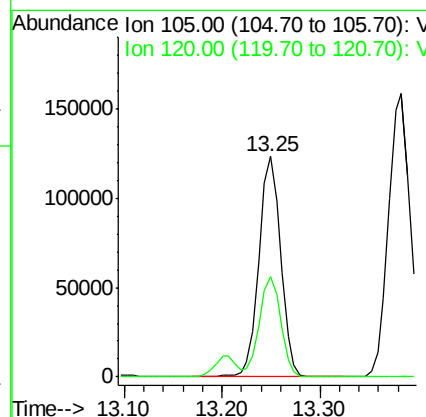
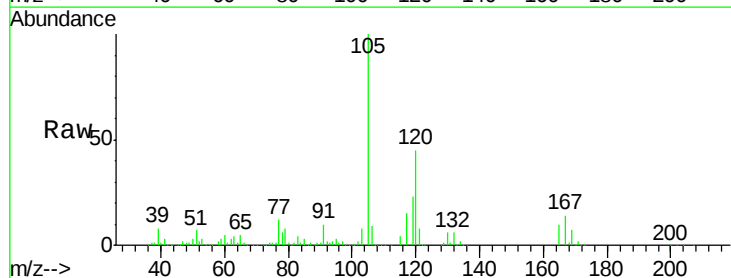
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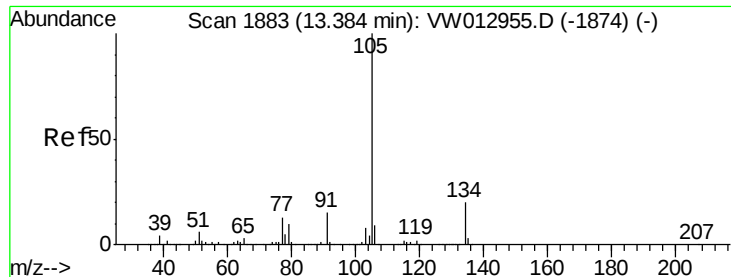
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.749 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 21.330 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBS02

Tot Ion:105 Resp: 244212

Ion Ratio Lower Upper

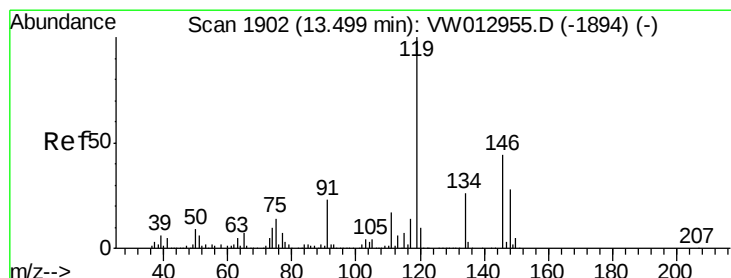
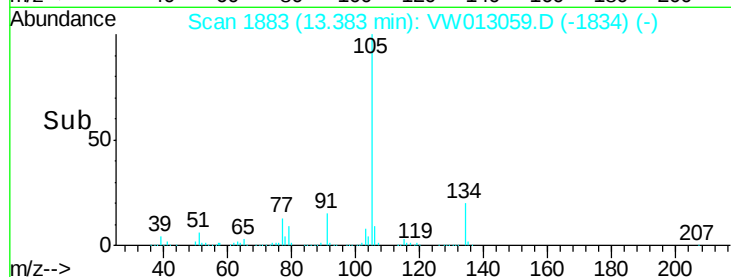
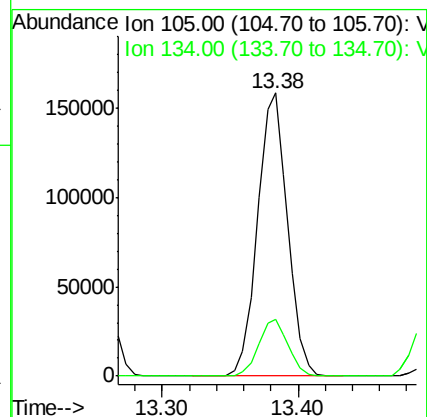
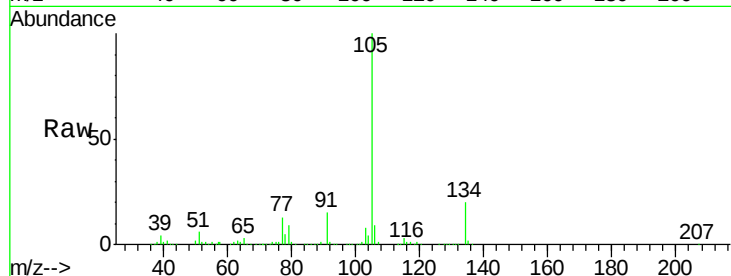
105 100

134 19.8 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 20.823 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

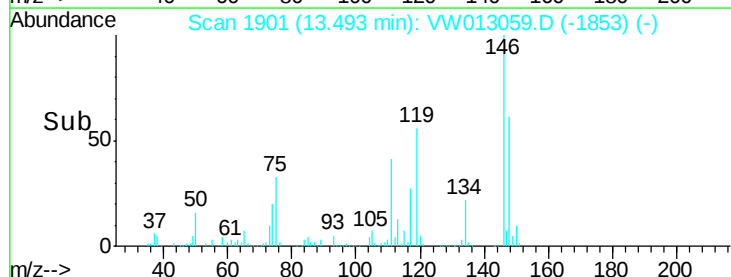
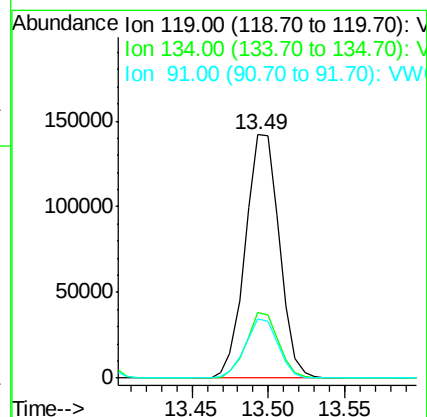
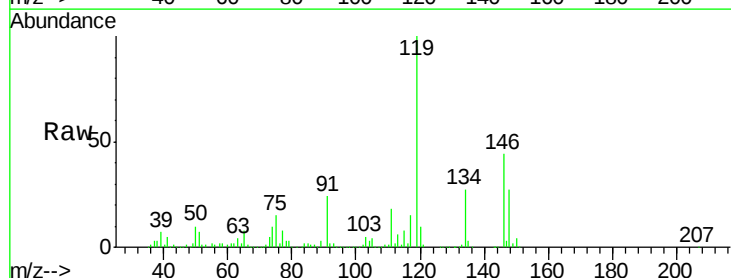
Tgt Ion:119 Resp: 218884

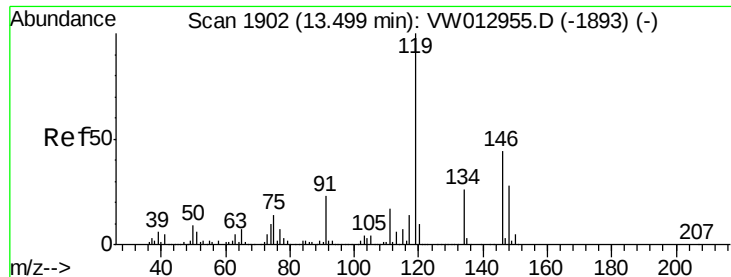
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 23.6 11.8 35.4





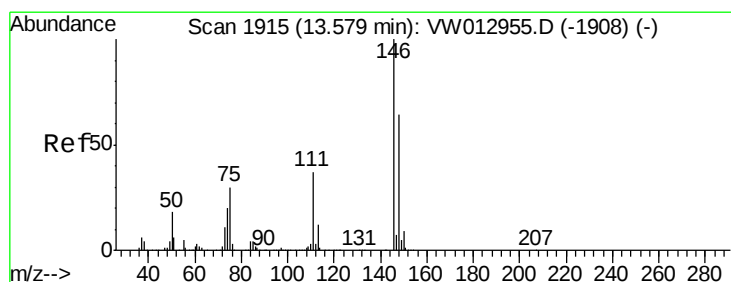
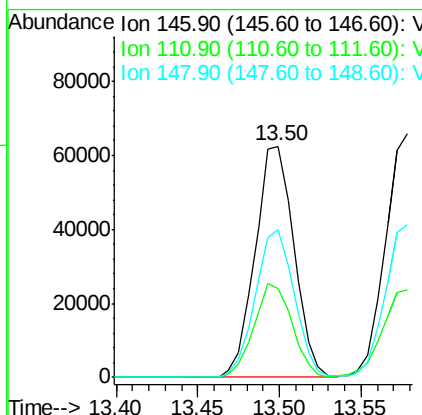
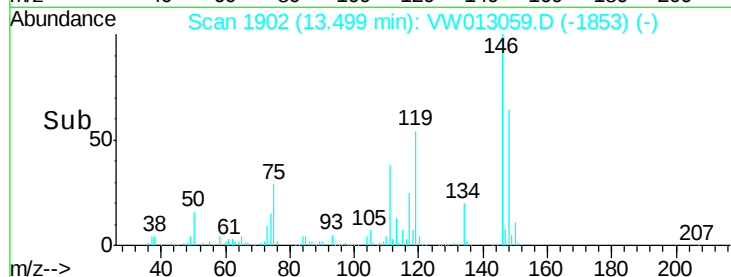
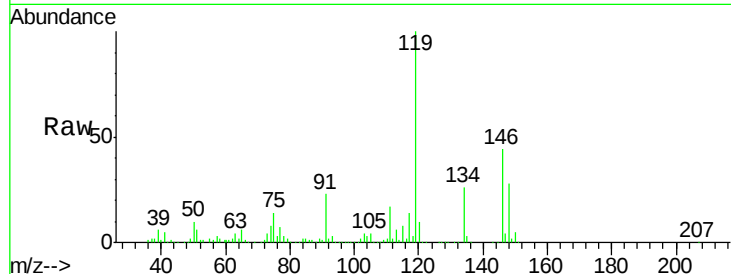
#87
 1,3-Dichlorobenzene
 Concen: 20.421 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	103423		
111	39.8	19.8	59.4	
148	63.8	31.9	95.7	

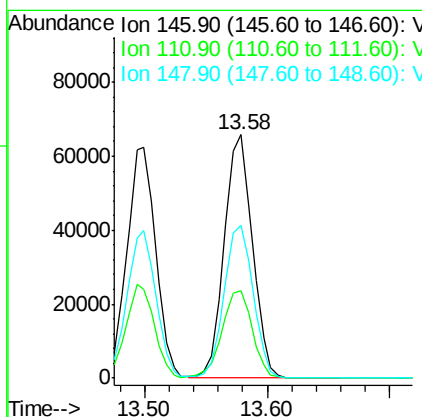
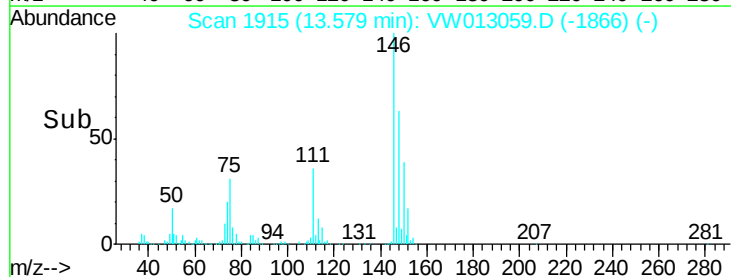
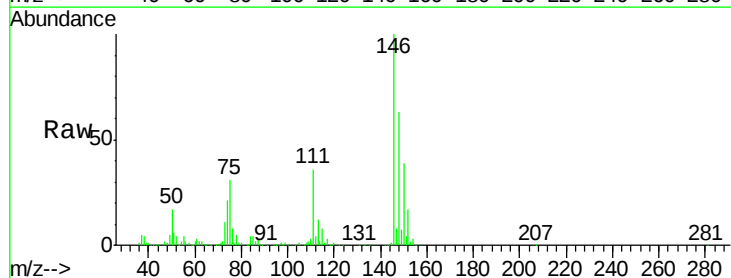
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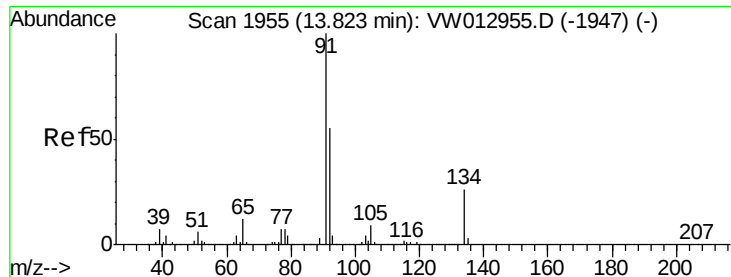
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#88
 1,4-Dichlorobenzene
 Concen: 21.072 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	104876		
111	38.5	19.4	58.2	
148	64.8	31.9	95.5	





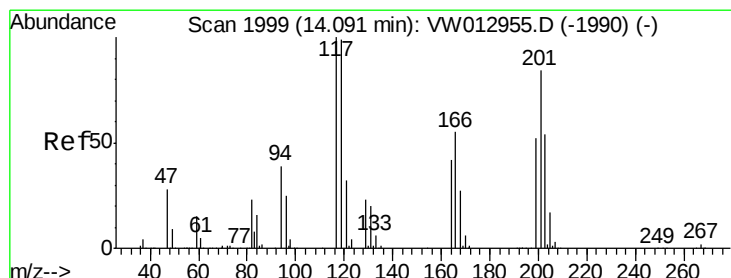
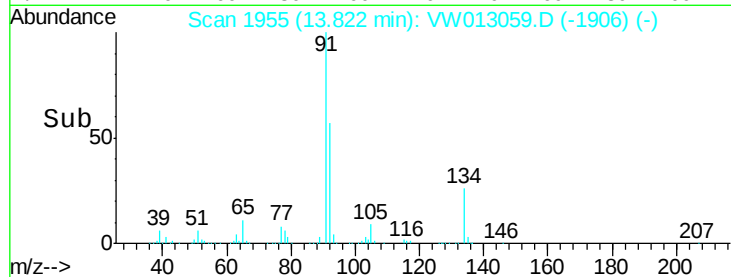
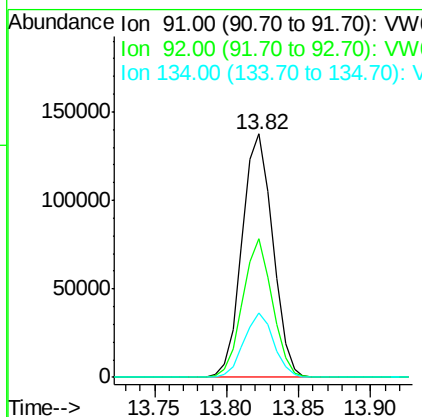
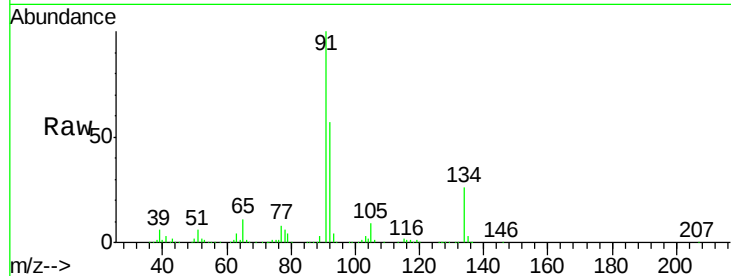
#89
n-Butylbenzene
Concen: 20.532 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.1	27.2	81.5	
134	25.8	13.1	39.1	

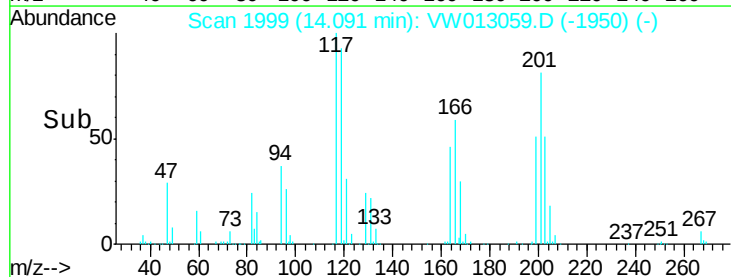
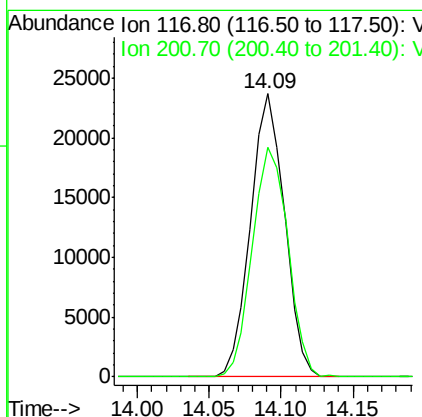
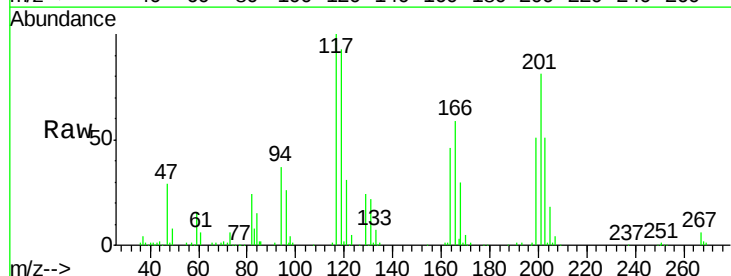
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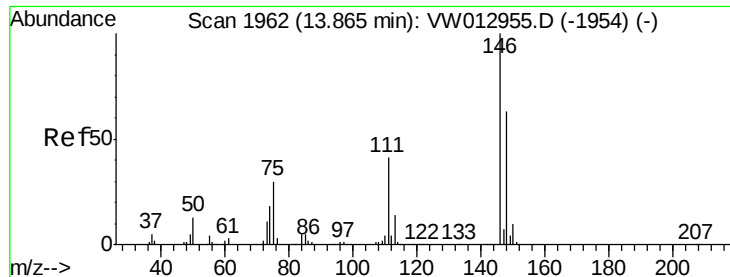
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#90
Hexachloroethane
Concen: 20.525 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013059.D
Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.1	45.3	135.9	





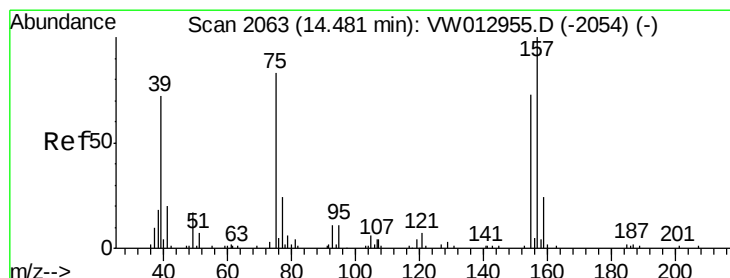
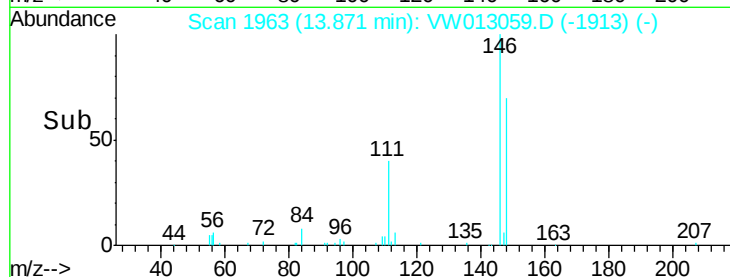
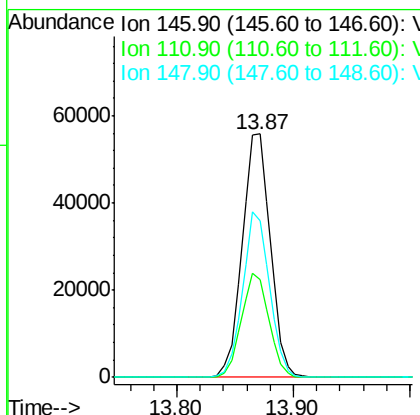
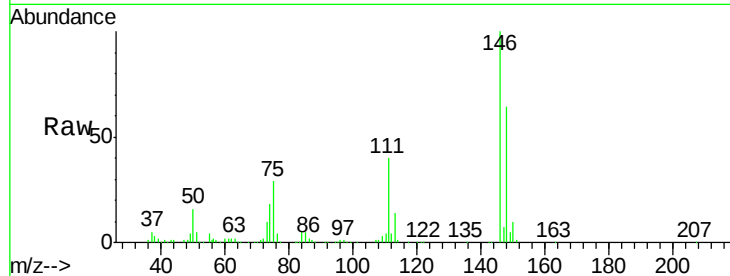
#91
 1,2-Dichlorobenzene
 Concen: 21.161 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	65.2	32.7	98.1

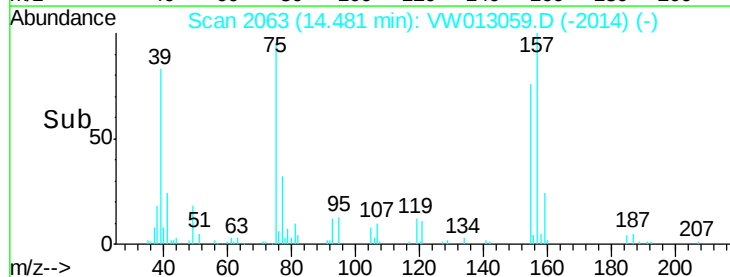
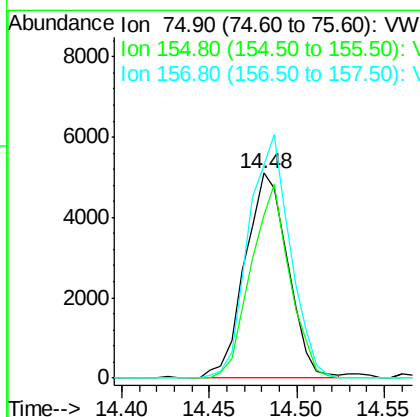
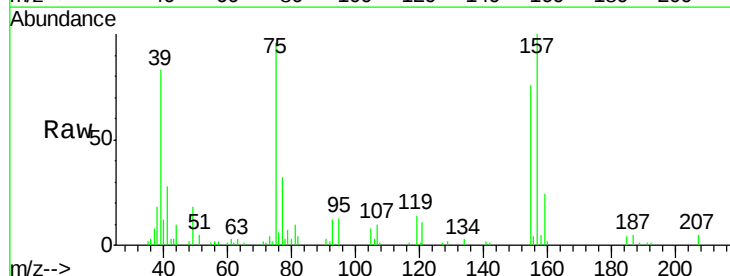
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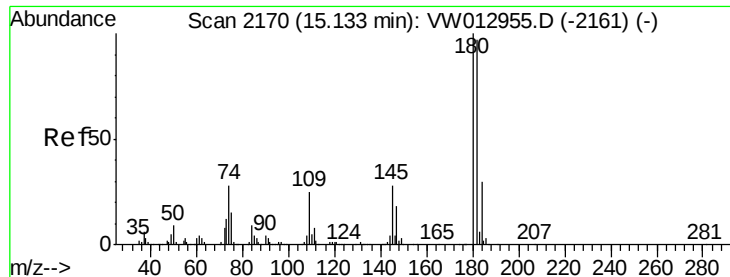
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.401 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.3	129.9
157	115.0	54.7	164.1





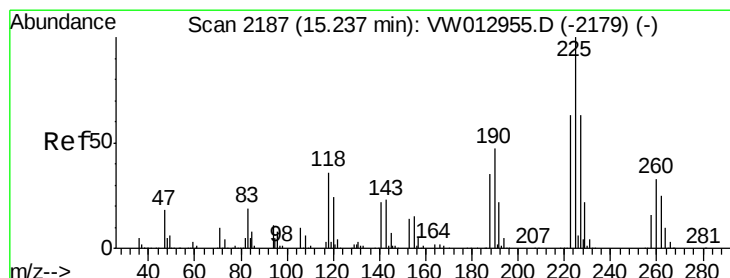
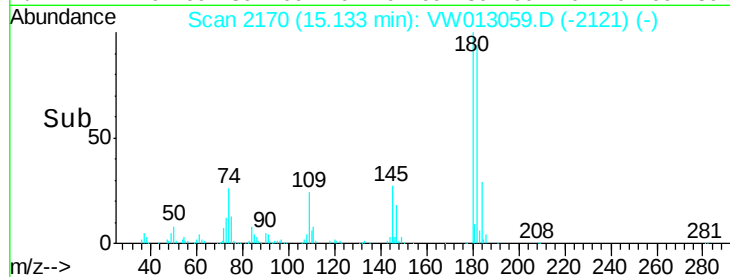
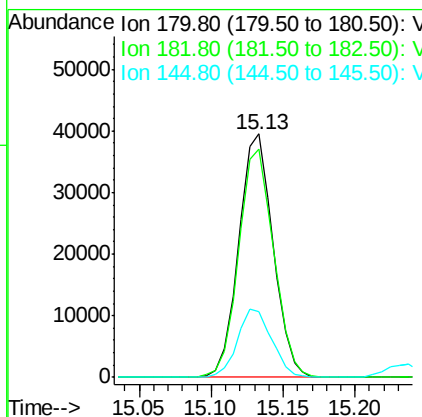
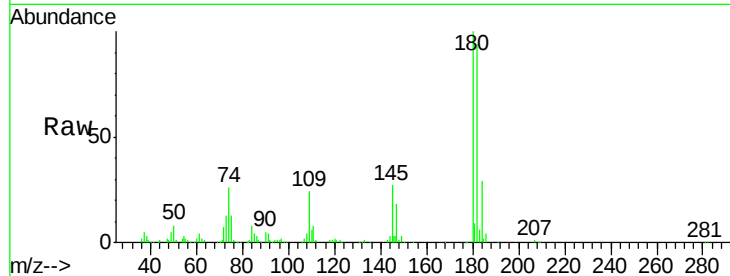
#93
 1,2,4-Trichlorobenzene
 Concen: 20.521 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65181		
182	95.6	47.4	142.2	
145	28.2	14.9	44.7	

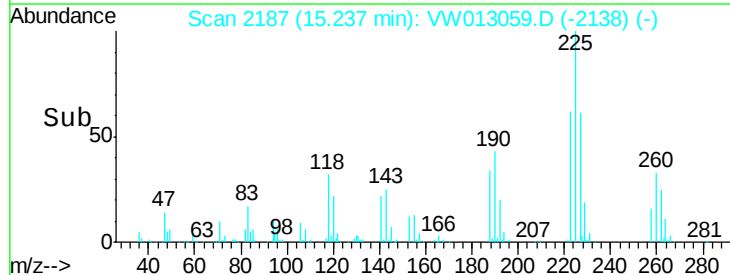
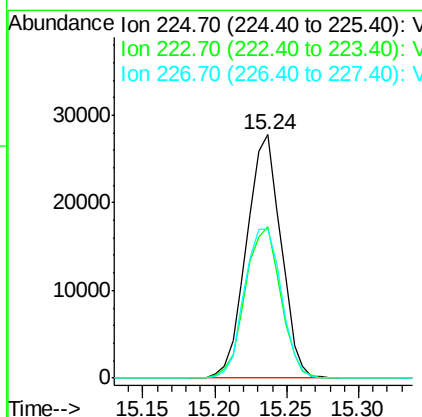
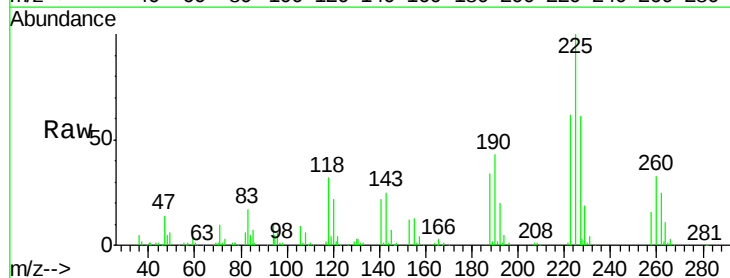
Manual Integrations
 APPROVED

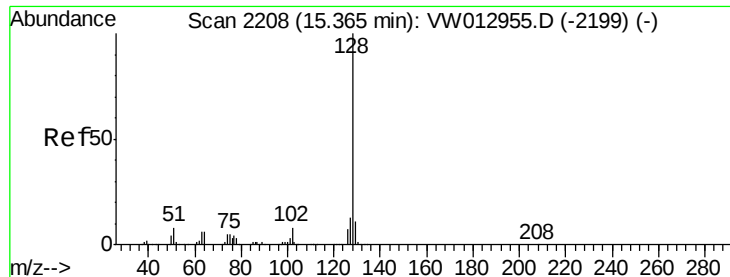
MMDadoda
 9/18/2019 2:01:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.413 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013059.D
 Acq: 17 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45899		
223	63.9	31.8	95.3	
227	65.9	31.3	93.8	





#95

Naphthalene

Concen: 25.118 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Instrument :

MSVOA_W

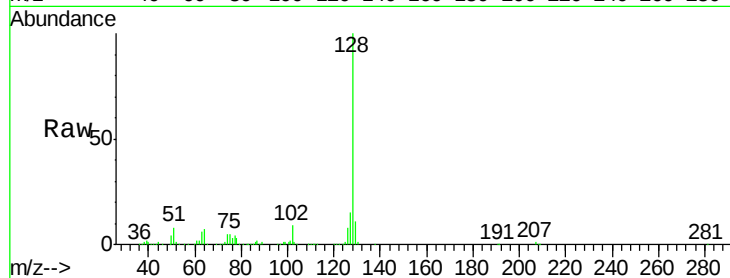
ClientSampleId :

VW0916SBSD02

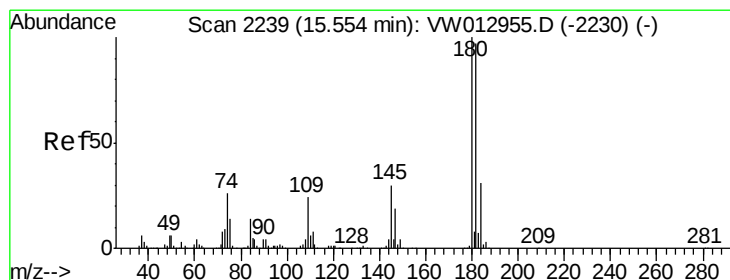
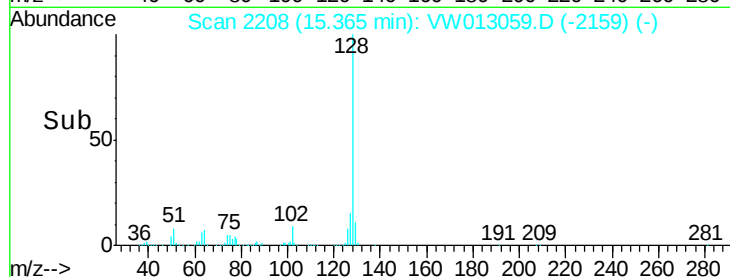
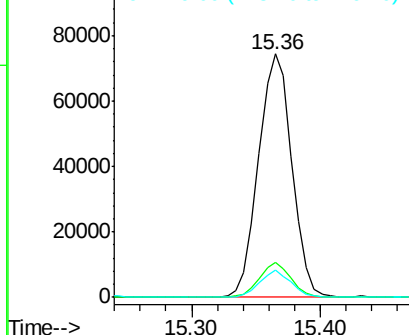
Tot Ion:	128	Resp:	133306
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.6
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2019 2:01:22 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.215 ug/l

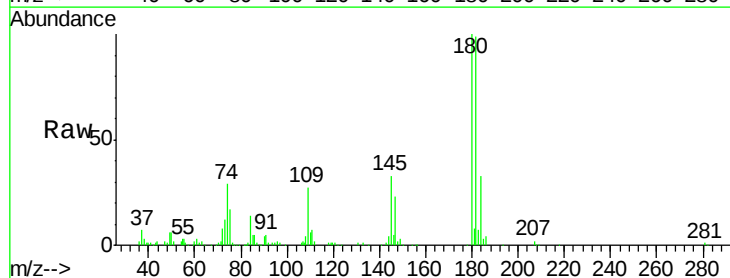
RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013059.D

Acq: 17 Sep 2019 00:36

Tgt Ion:	180	Resp:	59567
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.6	142.8
145	30.7	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

