

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\
 Data File : VW010808.D
 Acq On : 14 Jun 2019 12:28
 Operator : SY/VA
 Sample : VW0614SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Manual Integrations
 APPROVED

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 6/17/2019 1:23:16 PM

Quant Time: Jun 14 15:59:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152640	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.88	113	118607	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
50) Toluene-d8	10.32	98	502234	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.62	95	181718	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	42823	18.943	ug/l	100
3) Chloromethane	2.21	50	61199	18.401	ug/l	100
4) Vinyl Chloride	2.36	62	56724	18.460	ug/l	98
5) Bromomethane	2.76	94	33995	20.146	ug/l	98
6) Chloroethane	2.91	64	34077	18.475	ug/l	98
7) Trichlorofluoromethane	3.25	101	82673	20.726	ug/l	98
8) Diethyl Ether	3.68	74	26477	18.574	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49949	20.368	ug/l	99
10) Methyl Iodide	4.27	142	33974	16.956	ug/l	97
11) Tert butyl alcohol	5.18	59	29217	124.383	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	46860	19.808	ug/l	96
13) Acrolein	3.90	56	6325	65.895	ug/l	98
14) Allyl chloride	4.67	41	106899	20.494	ug/l	99
15) Acrylonitrile	5.37	53	62193	89.807	ug/l	99
16) Acetone	4.13	43	65295	84.516	ug/l	100
17) Carbon Disulfide	4.37	76	138281	18.414	ug/l	98
18) Methyl Acetate	4.68	43	32277	19.408	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	128021	18.763	ug/l	99
20) Methylene Chloride	4.91	84	54368	20.060	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	53537	19.935	ug/l	98
22) Diisopropyl ether	6.31	45	214213	20.513	ug/l	98
23) Vinyl Acetate	6.25	43	605766	96.119	ug/l	100
24) 1,1-Dichloroethane	6.22	63	106911	20.429	ug/l	98
25) 2-Butanone	7.17	43	97965	91.447	ug/l	99
26) 2,2-Dichloropropane	7.17	77	95636	22.457	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	58933	19.941	ug/l	94
28) Bromochloromethane	7.51	49	46569	19.939	ug/l	94
29) Tetrahydrofuran	7.53	42	59415	88.175	ug/l	98
30) Chloroform	7.67	83	98582	20.595	ug/l	96
31) Cyclohexane	7.95	56	116103	19.957	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	87119	20.835	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83252	20.378	ug/l	100
37) Ethyl Acetate	7.26	43	41731	18.433	ug/l	100
38) Carbon Tetrachloride	8.07	117	73028	20.707	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102950	19.823	ug/l	97
40) Benzene	8.32	78	226038	20.281	ug/l	98
41) Methacrylonitrile	7.48	41	24621	18.296	ug/l	99
42) 1,2-Dichloroethane	8.40	62	70927	20.051	ug/l	100
43) Isopropyl Acetate	8.42	43	80170	18.330	ug/l	99
44) Trichloroethene	9.09	130	54552	19.842	ug/l	100
45) 1,2-Dichloropropane	9.37	63	59770	20.259	ug/l	98
46) Dibromomethane	9.46	93	26118	19.059	ug/l	97
47) Bromodichloromethane	9.65	83	70496	19.846	ug/l	93
48) Methyl methacrylate	9.43	41	38256	18.141	ug/l	96
49) 1,4-Dioxane	9.46	88	6408	299.092	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	201485	90.173	ug/l	99
52) Toluene	10.39	92	137549	20.058	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	72382	19.238	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	88750	20.046	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37666	19.080	ug/l	99
56) Ethyl methacrylate	10.65	69	53782	17.705	ug/l	93
57) 1,3-Dichloropropane	10.93	76	71465	19.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	152636	95.933	ug/l	99
59) 2-Hexanone	10.97	43	141634	87.706	ug/l	98
60) Dibromochloromethane	11.13	129	41335	18.888	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35027	18.727	ug/l	98
64) Tetrachloroethene	10.86	164	45401	19.523	ug/l	97
65) Chlorobenzene	11.66	112	138893	20.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47671	19.994	ug/l	99
67) Ethyl Benzene	11.73	91	269580	20.366	ug/l	100
68) m/p-Xylenes	11.84	106	191465	40.407	ug/l	99
69) o-Xylene	12.16	106	89514	19.918	ug/l	97
70) Styrene	12.18	104	153660	19.683	ug/l	99
71) Bromoform	12.35	173	22289	18.076	ug/l #	99
73) Isopropylbenzene	12.46	105	255080	20.639	ug/l	100
74) N-amyl acetate	12.27	43	73589	18.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	44450	18.892	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	38206m	22.121	ug/l	
77) Bromobenzene	12.75	156	54093	20.051	ug/l	98
78) n-propylbenzene	12.80	91	307321	20.622	ug/l	100
79) 2-Chlorotoluene	12.90	91	175842	20.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	207785	20.540	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12961	17.248	ug/l	92
82) 4-Chlorotoluene	12.99	91	182241	20.742	ug/l	98
83) tert-Butylbenzene	13.21	119	177972	20.730	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	207232	20.357	ug/l	100
85) sec-Butylbenzene	13.38	105	256148	20.492	ug/l	100
86) p-Isopropyltoluene	13.50	119	227100	20.317	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105650	20.307	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	104968	20.352	ug/l	98
89) n-Butylbenzene	13.83	91	230729	20.688	ug/l	99
90) Hexachloroethane	14.10	117	40465	20.214	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91977	19.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7235	17.907	ug/l	93

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ClientSampleId :
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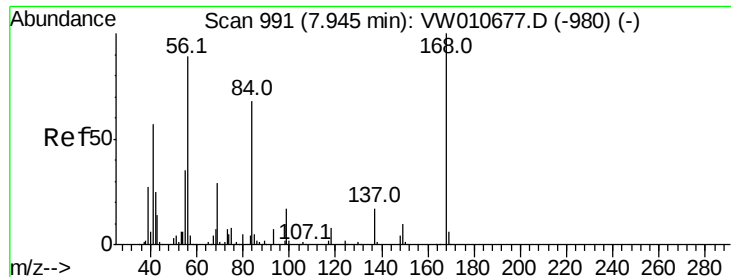
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	63704	19.403	ug/l	99
94) Hexachlorobutadiene	15.24	225	42173	20.467	ug/l	97
95) Naphthalene	15.37	128	103654	17.376	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	53342	19.104	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion:168 Resp: 244623

Ion Ratio Lower Upper

168 100

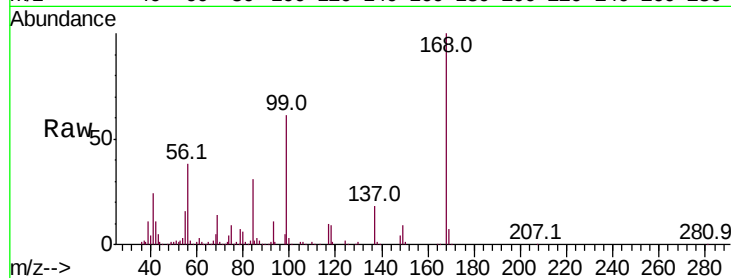
99 61.4 47.7 71.5

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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

120000

100000

80000

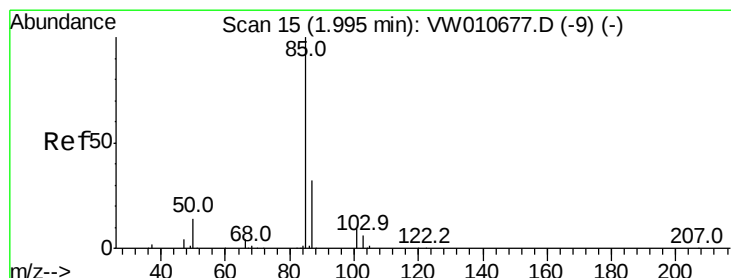
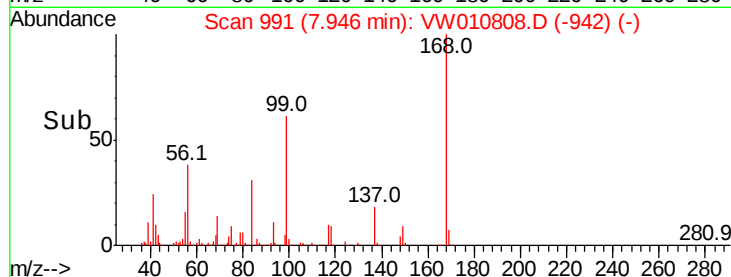
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.943 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010808.D

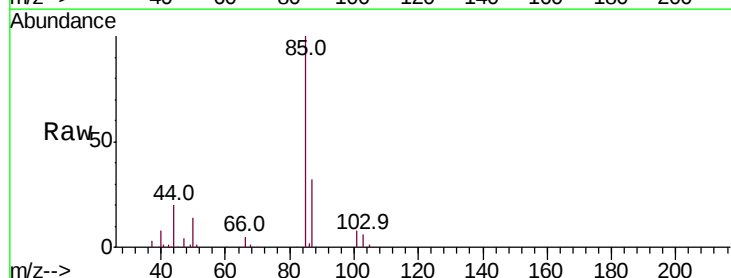
Acq: 14 Jun 2019 12:28

Tgt Ion: 85 Resp: 42823

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

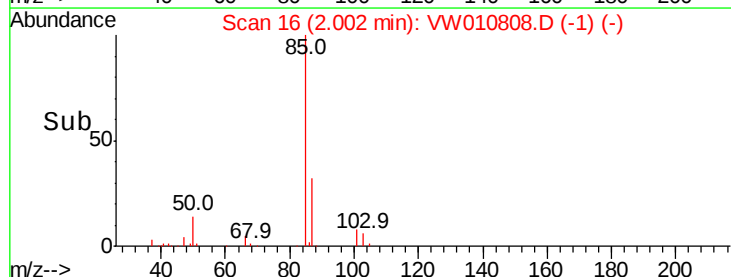
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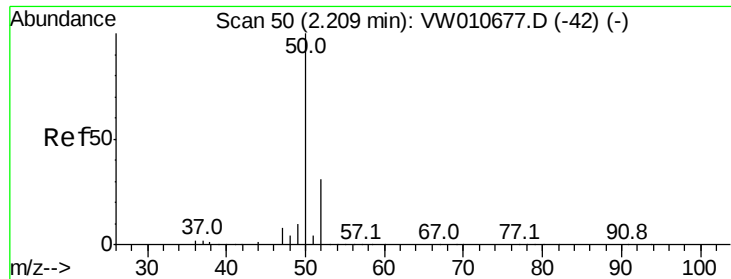
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 18.401 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 50 Resp: 61199

Ion Ratio Lower Upper

50 100

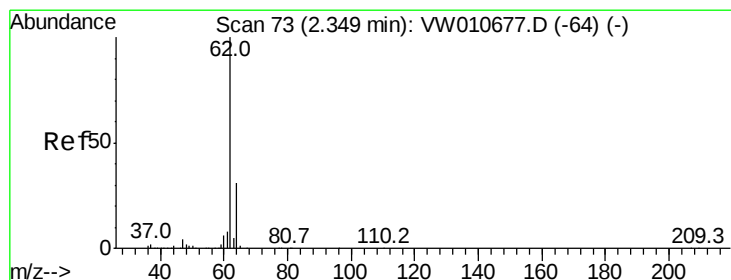
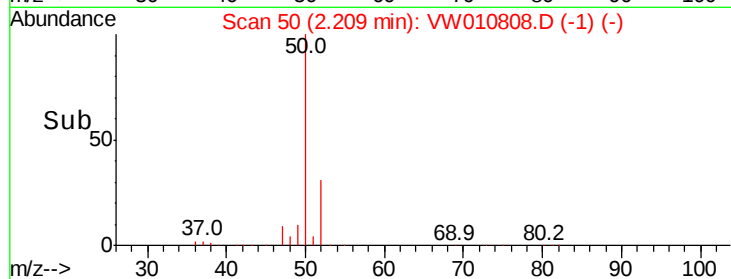
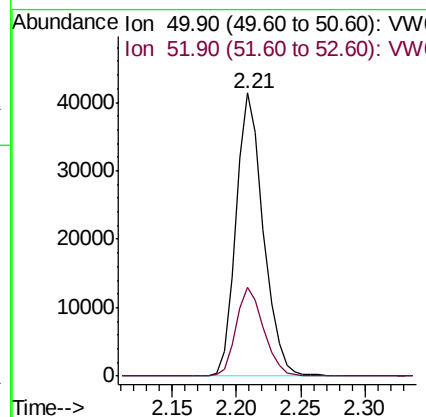
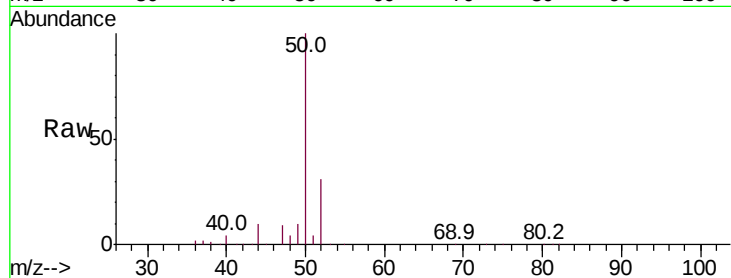
52 31.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 18.460 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010808.D

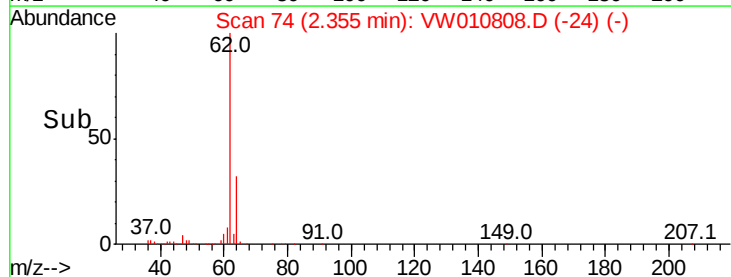
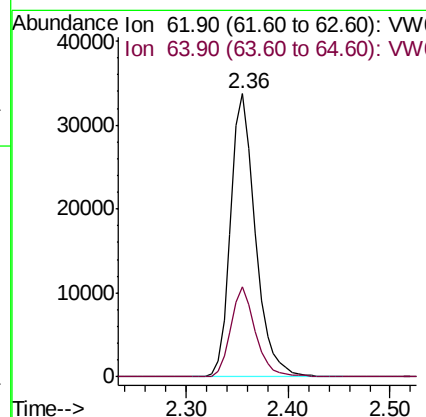
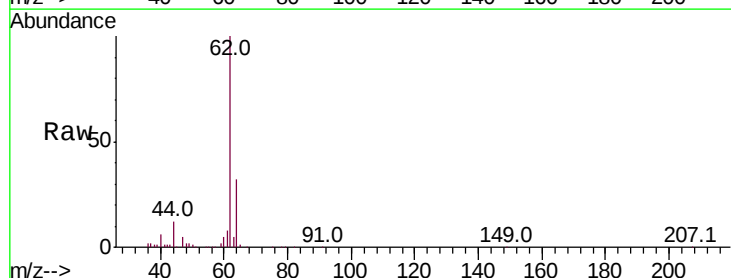
Acq: 14 Jun 2019 12:28

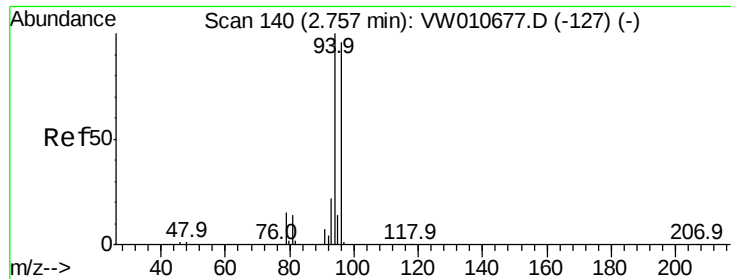
Tgt Ion: 62 Resp: 56724

Ion Ratio Lower Upper

62 100

64 31.8 24.5 36.7





#5

Bromomethane

Concen: 20.146 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 94 Resp: 33995

Ion Ratio Lower Upper

94 100

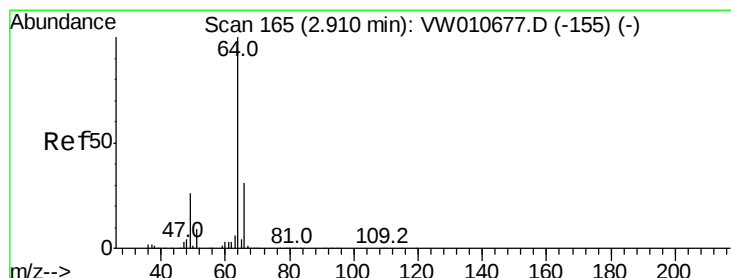
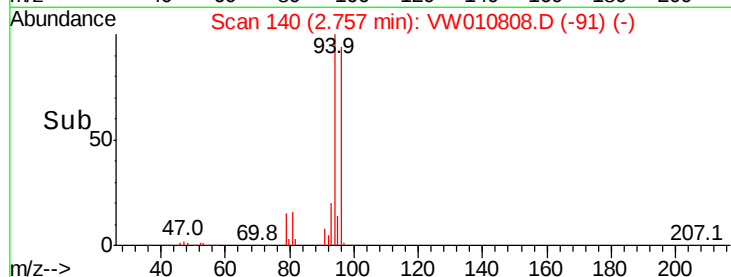
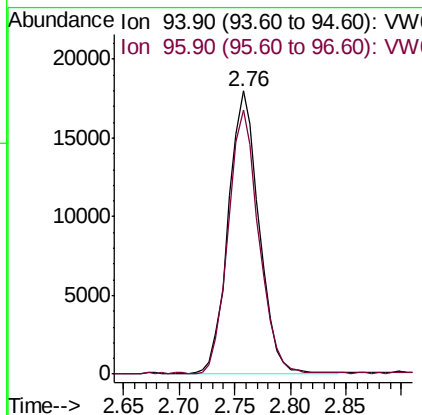
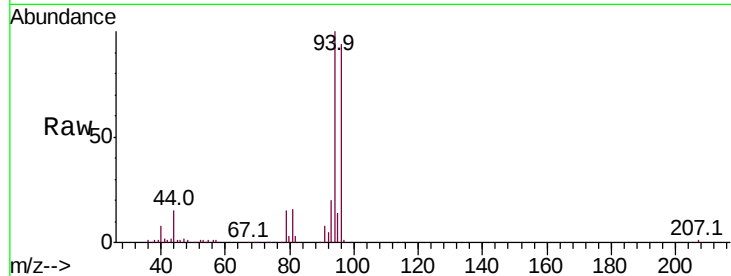
96 93.8 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 18.475 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010808.D

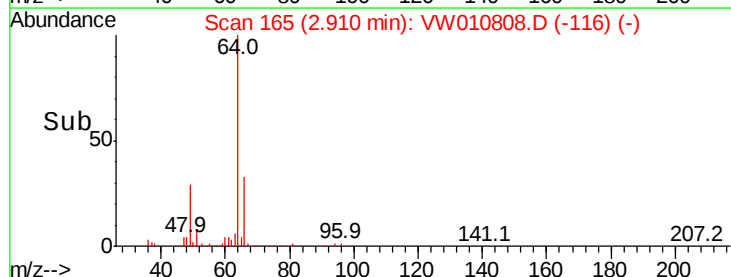
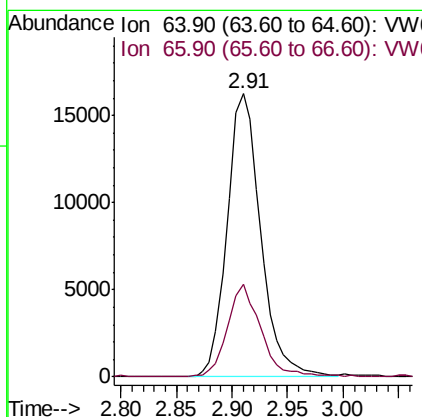
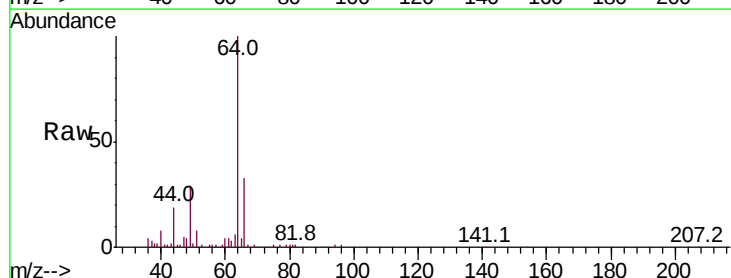
Acq: 14 Jun 2019 12:28

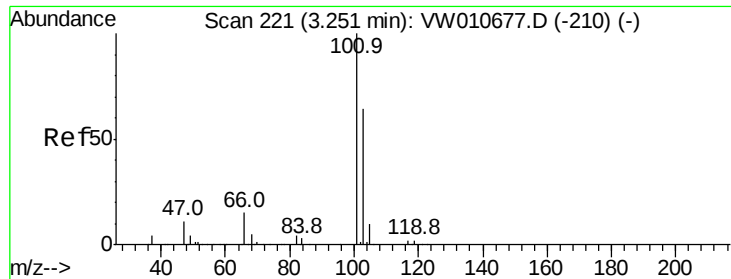
Tgt Ion: 64 Resp: 34077

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

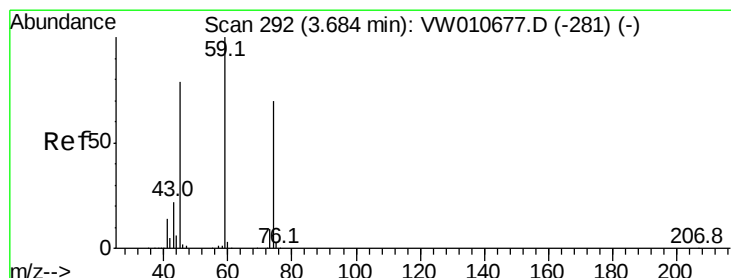
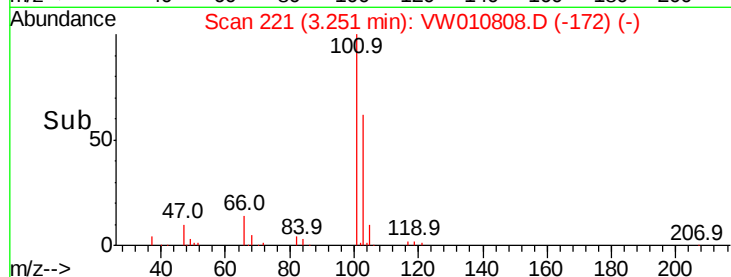
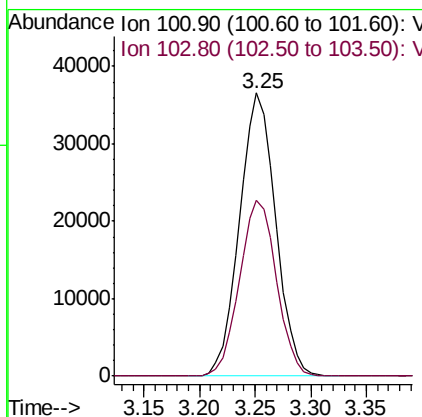
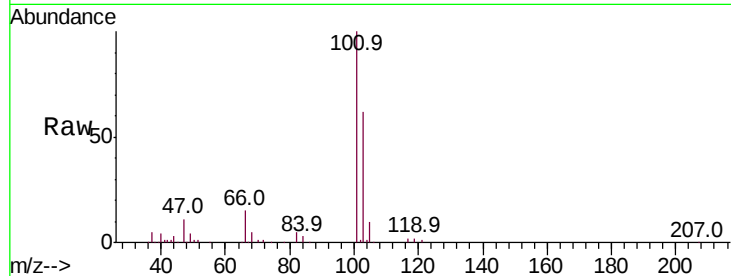
Trichlorofluoromethane
 Concen: 20.726 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
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 ClientSampleId :
 VW0614SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.2	76.8

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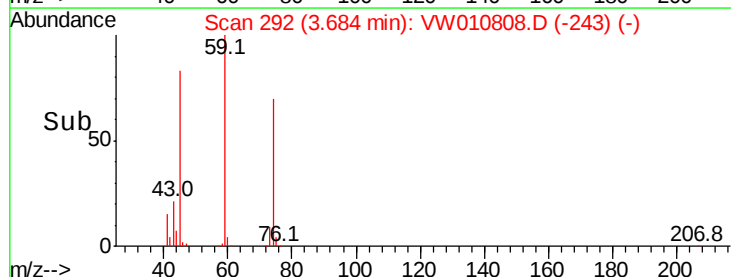
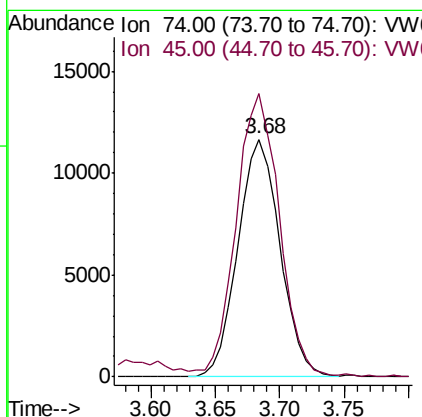
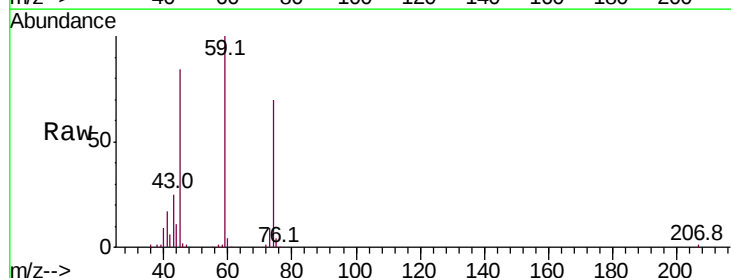
MMDadoda
 6/17/2019 1:23:16 PM

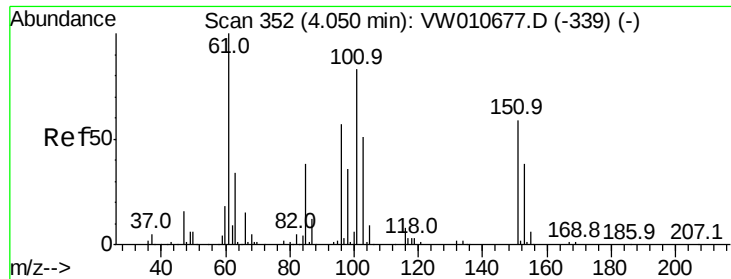


#8

Diethyl Ether
 Concen: 18.574 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.368 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

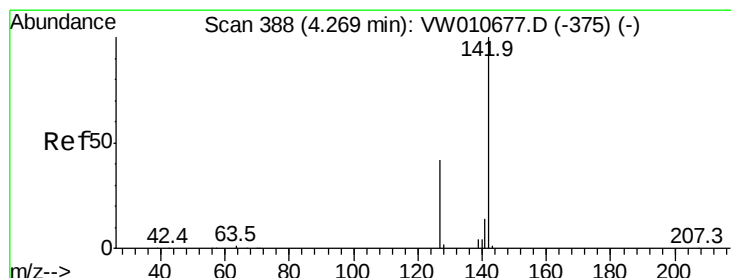
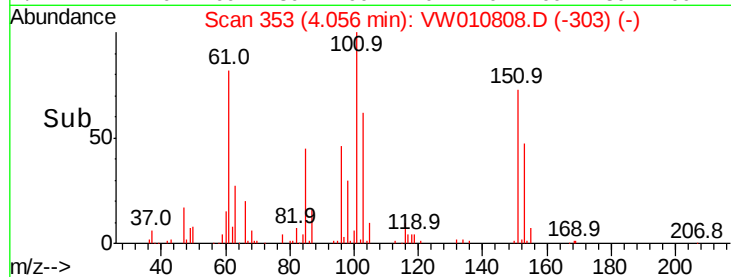
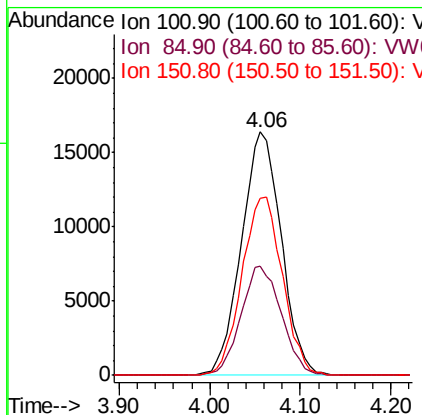
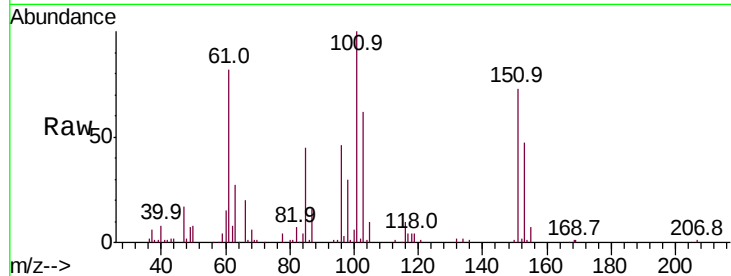
ClientSampleId :

VW0614SBS01

Tot Ion:	101	Resp:	49949
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.8	53.8
151	74.2	58.1	87.1

Manual Integrations
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#10

Methyl Iodide

Concen: 16.956 ug/l

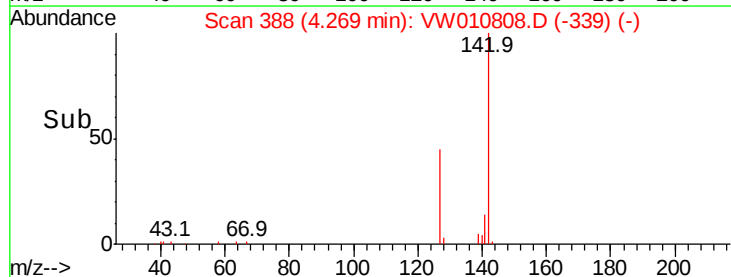
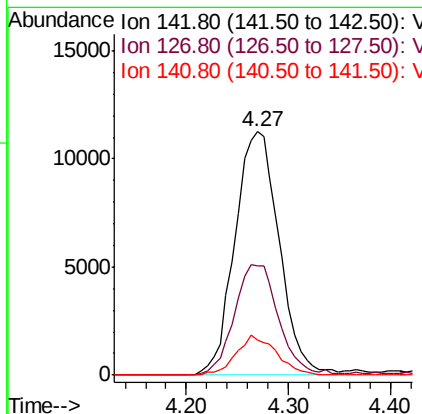
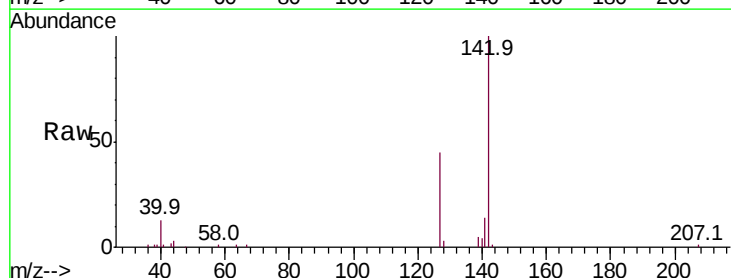
RT: 4.27 min Scan# 388

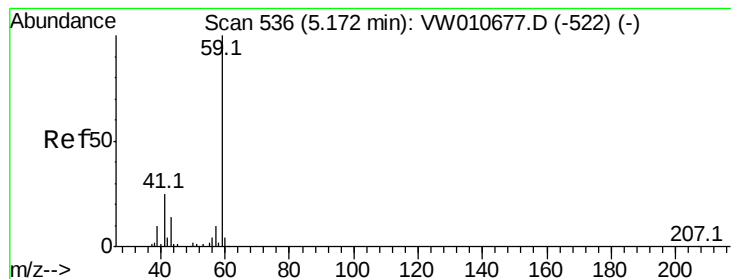
Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	142	Resp:	33974
Ion Ratio	Lower	Upper	
142	100		
127	45.5	34.6	51.8
141	14.8	11.6	17.4





#11

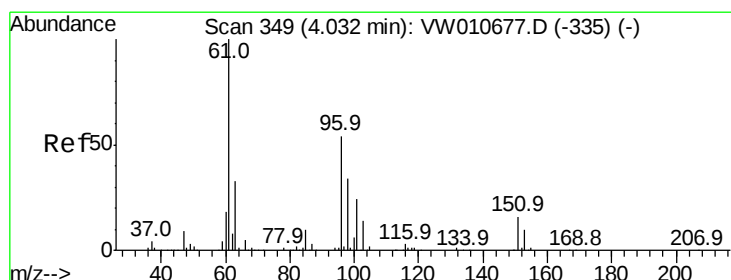
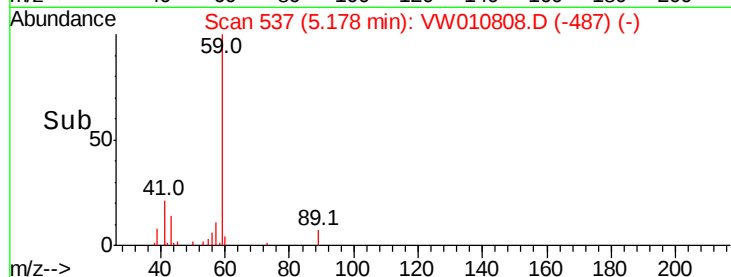
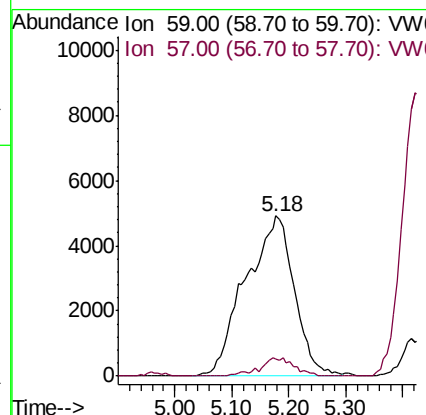
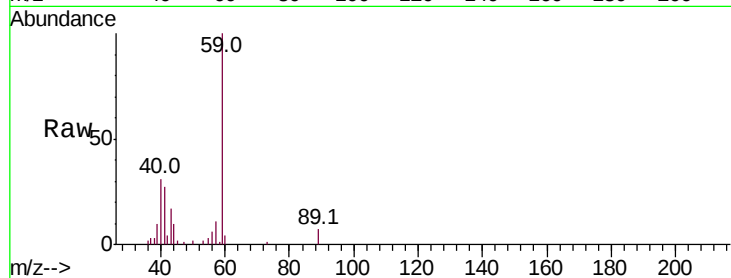
Tert butyl alcohol
Concen: 124.383 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampled :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	8.6	12.8#

Manual Integrations
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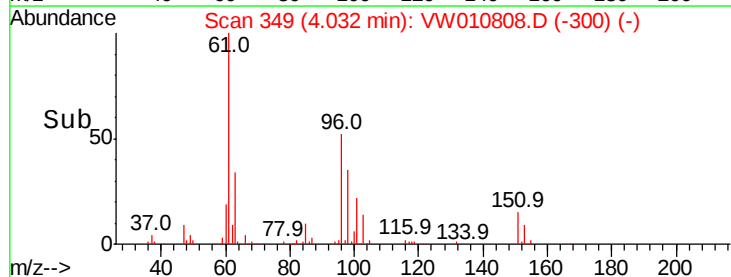
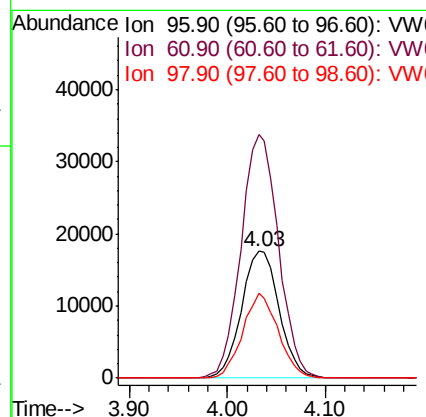
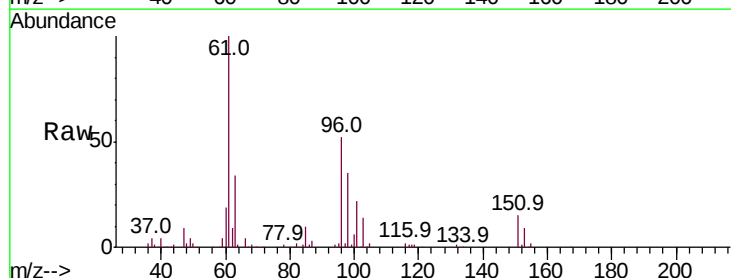
MMDadoda
6/17/2019 1:23:16 PM

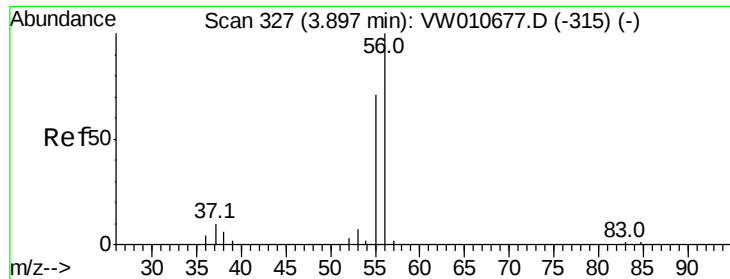


#12

1,1-Dichloroethene
Concen: 19.808 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.6	149.1	223.7
98	66.5	51.1	76.7





#13

Acrolein

Concen: 65.895 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 56 Resp: 6325

Ion Ratio Lower Upper

56 100

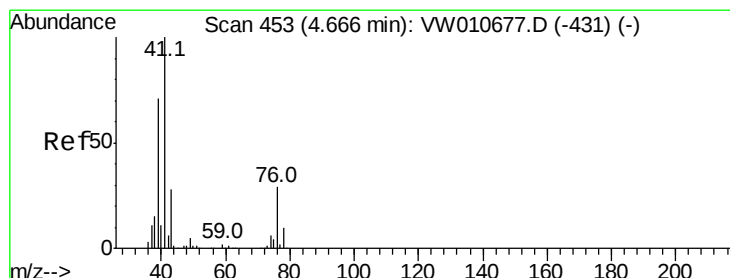
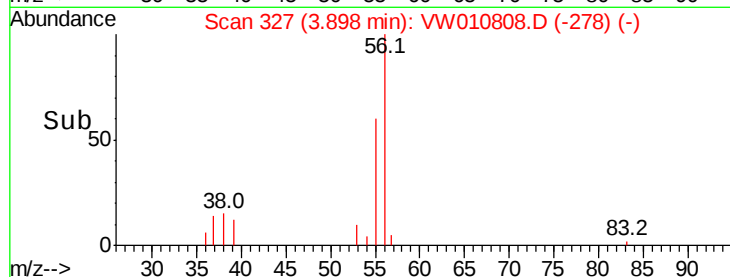
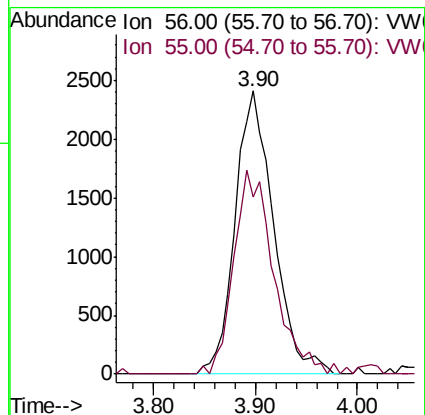
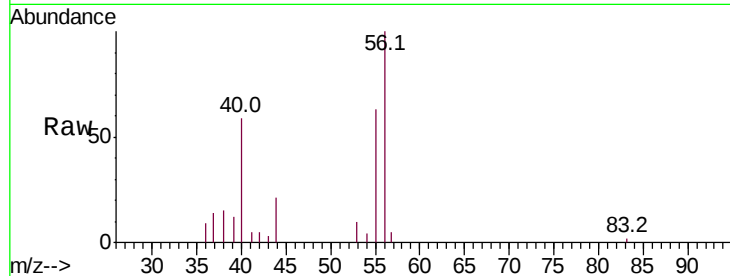
55 74.1 57.6 86.4

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 20.494 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

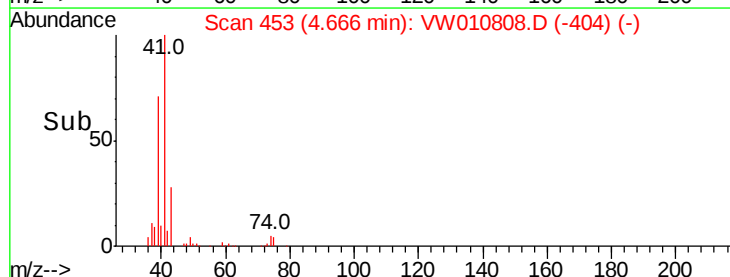
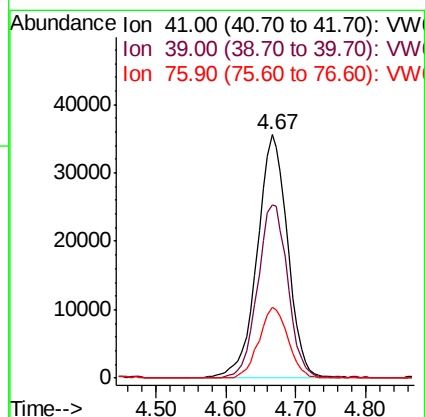
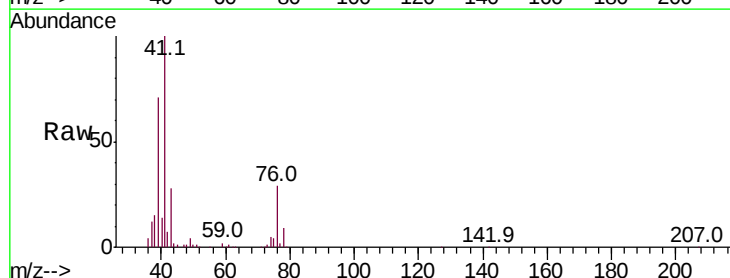
Tgt Ion: 41 Resp: 106899

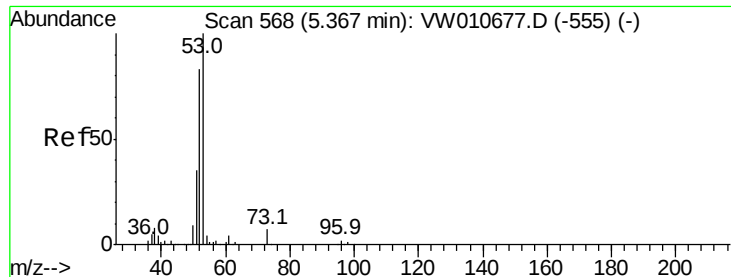
Ion Ratio Lower Upper

41 100

39 70.7 55.8 83.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 89.807 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

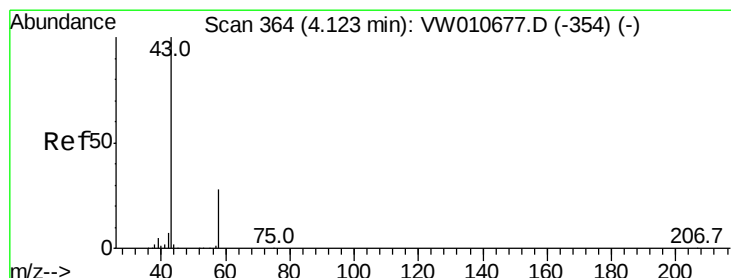
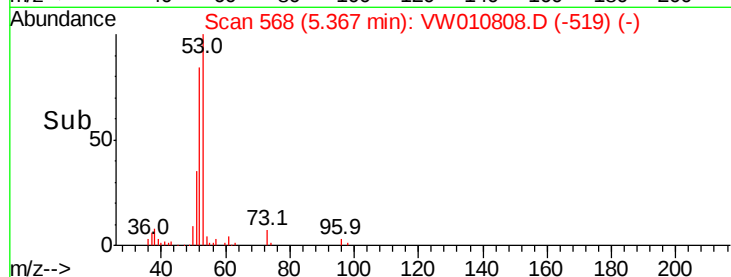
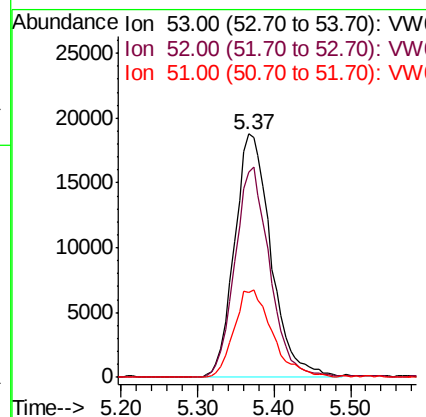
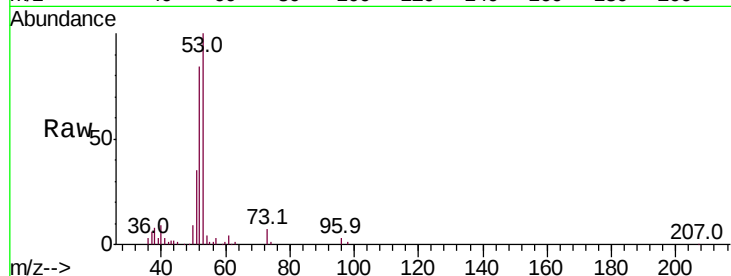
ClientSampleID :

VW0614SBS01

Tot Ion:	53	Resp:	62193
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	37.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 84.516 ug/l

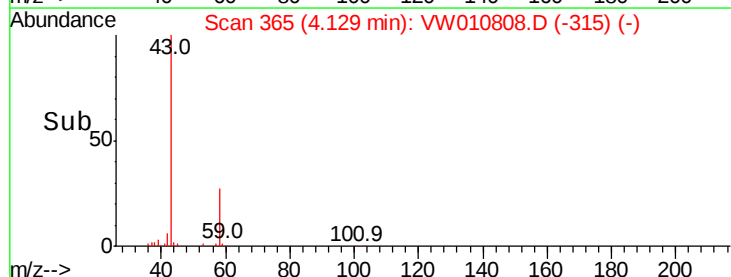
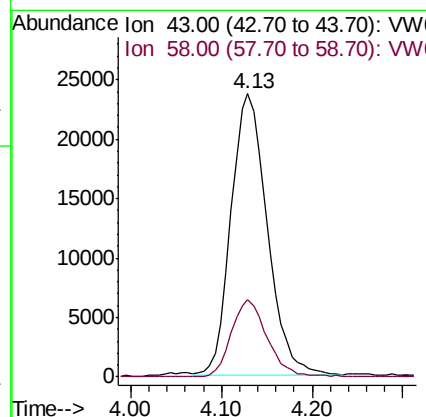
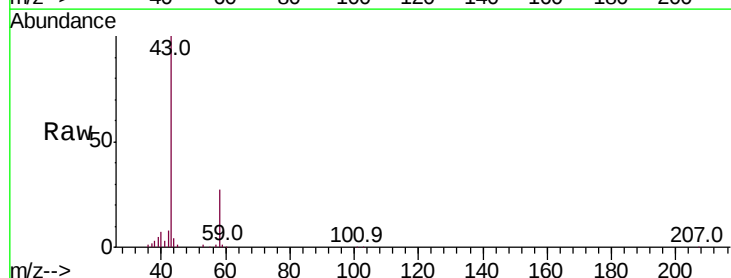
RT: 4.13 min Scan# 365

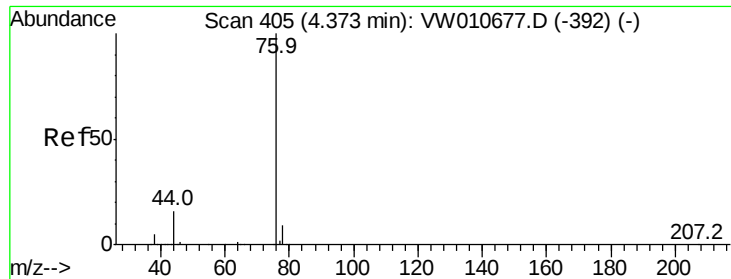
Delta R.T. 0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	43	Resp:	65295
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.1	33.1





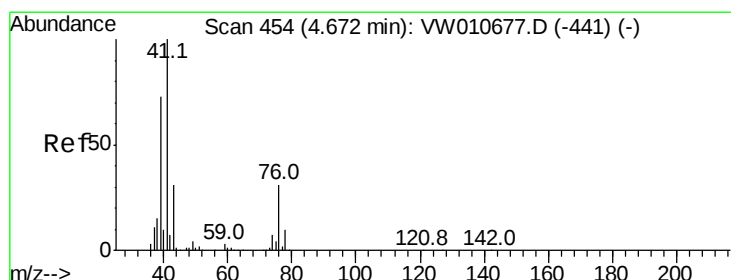
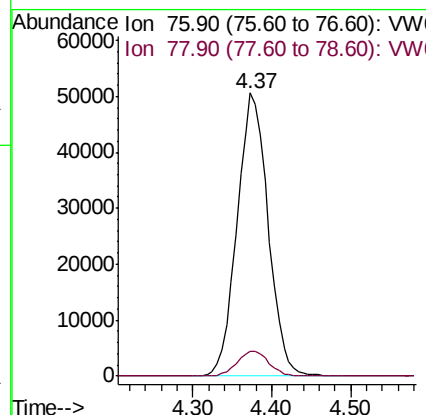
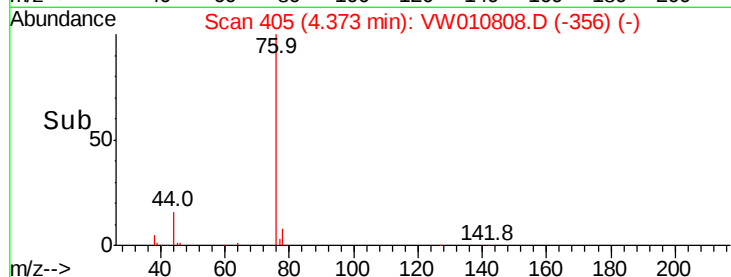
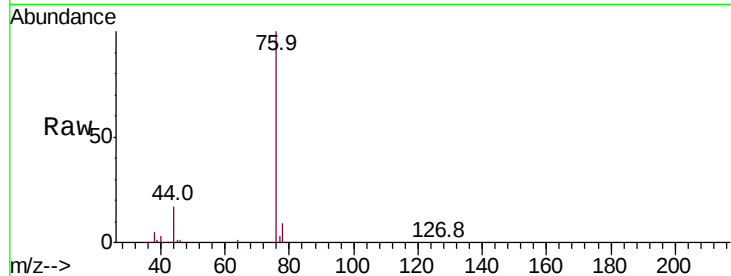
#17
Carbon Disulfide
Concen: 18.414 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

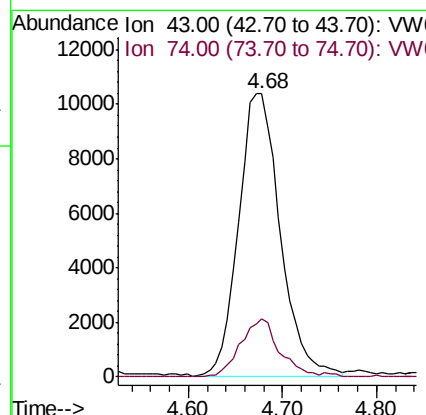
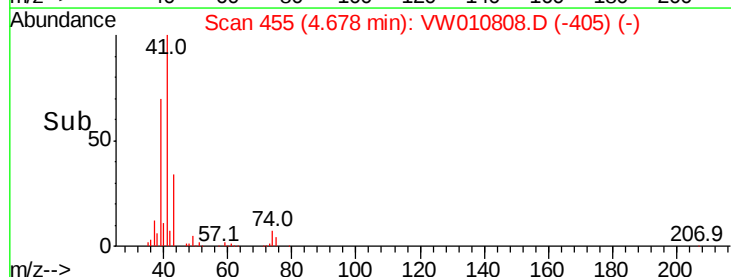
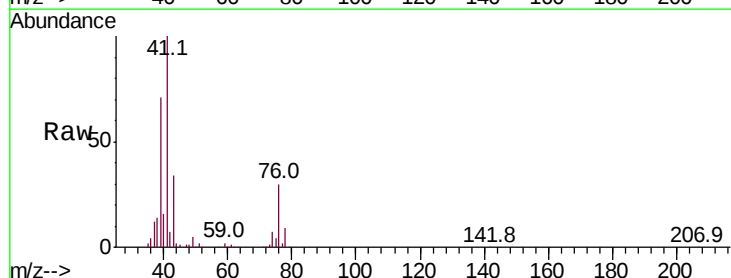
Manual Integrations
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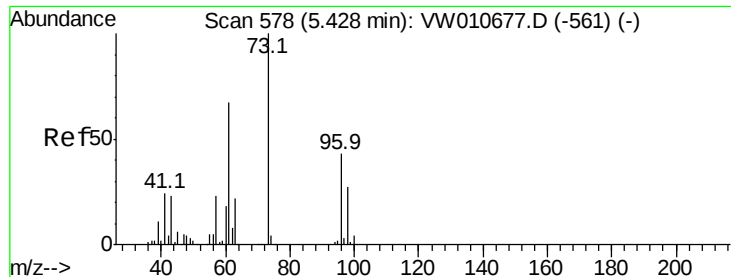
MMDadoda
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#18
Methyl Acetate
Concen: 19.408 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	16.7	25.1





#19

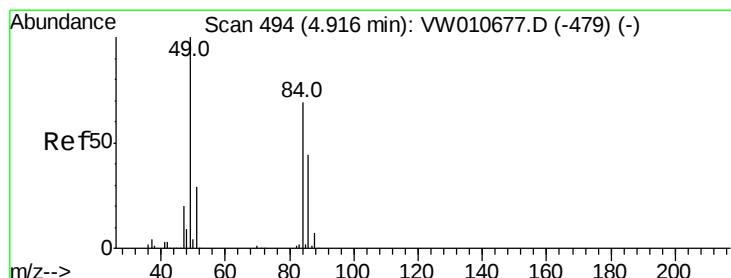
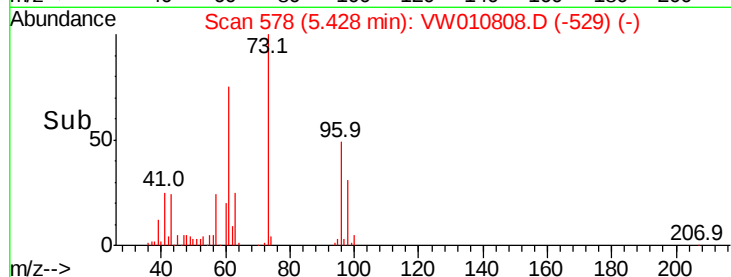
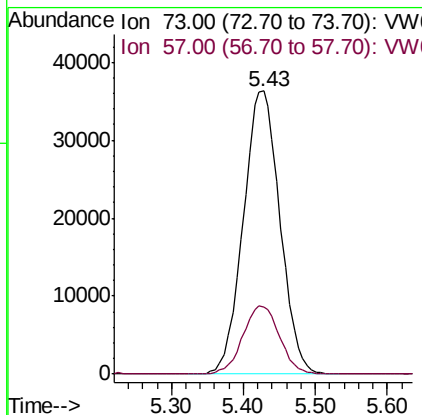
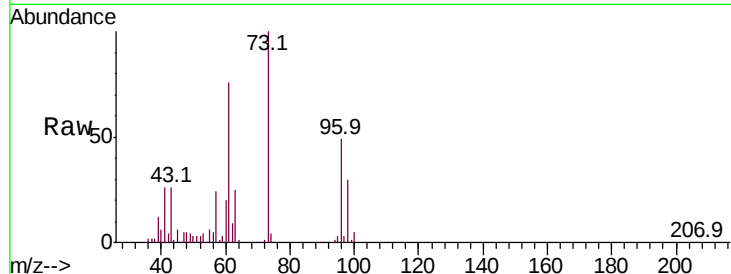
Methyl tert-butyl Ether
 Concen: 18.763 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	27.8

Manual Integrations
 APPROVED

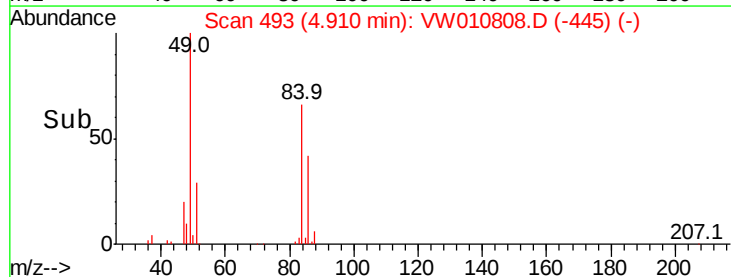
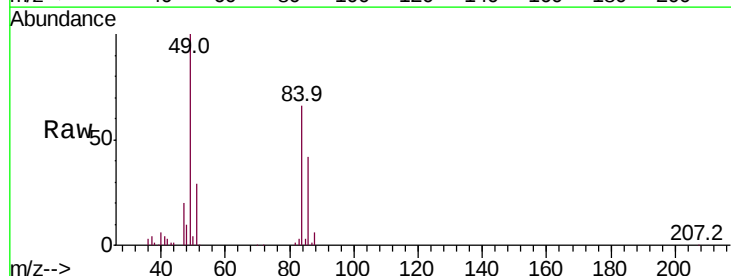
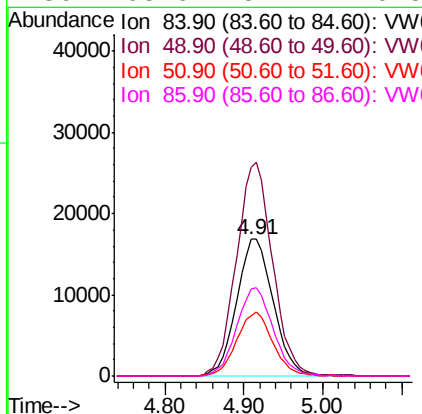
MMDadoda
 6/17/2019 1:23:16 PM

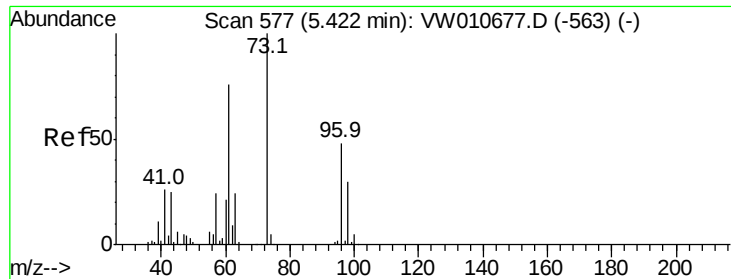


#20

Methylene Chloride
 Concen: 20.060 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.2	116.7	175.1
51	44.2	34.2	51.2
86	63.6	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 19.935 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

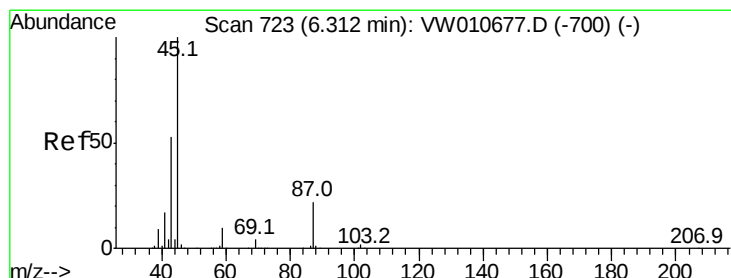
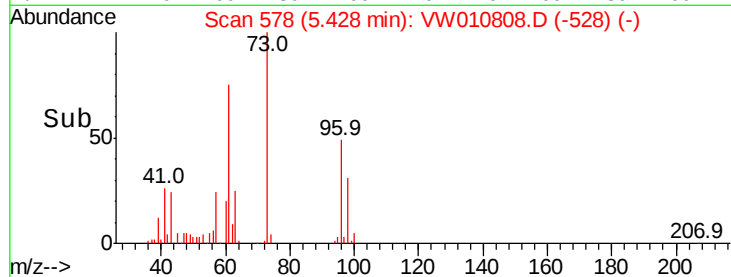
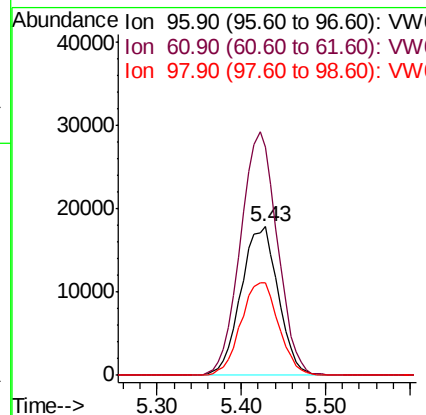
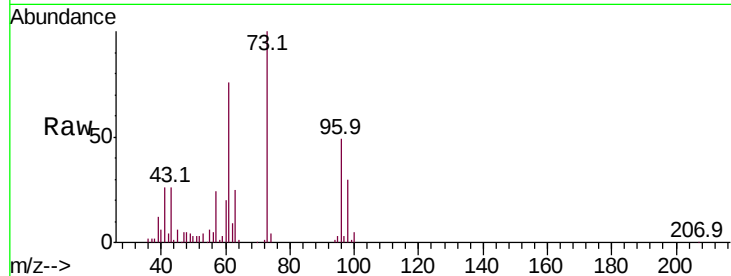
ClientSampleId :

VW0614SBS01

Tot Ion:	96	Resp:	53537
Ion	Ratio	Lower	Upper
96	100		
61	153.9	126.0	189.0
98	62.1	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.513 ug/l

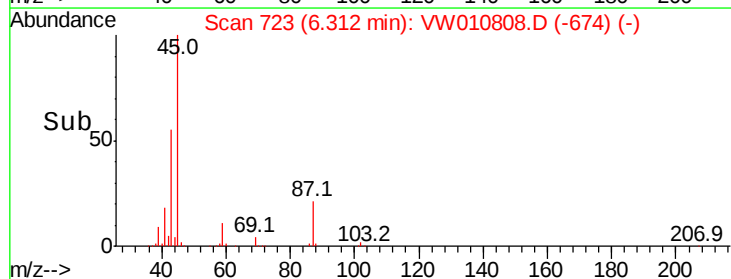
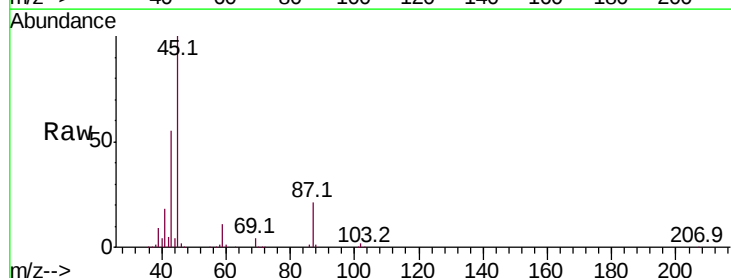
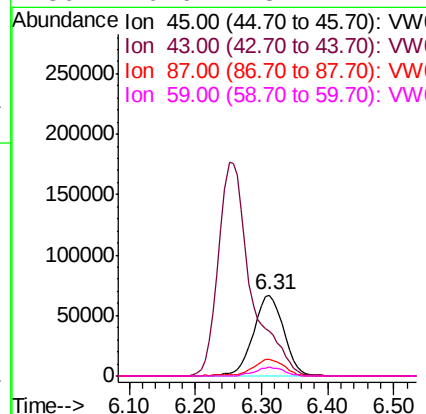
RT: 6.31 min Scan# 723

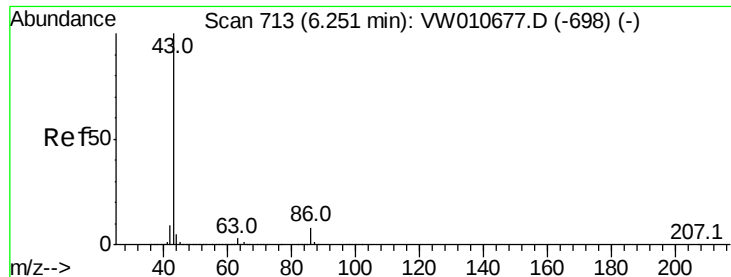
Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	45	Resp:	214213
Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.5	63.7
87	21.2	17.4	26.2
59	10.6	8.1	12.1





#23

Vinyl Acetate

Concen: 96.119 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 43 Resp: 605766

Ion Ratio Lower Upper

43 100

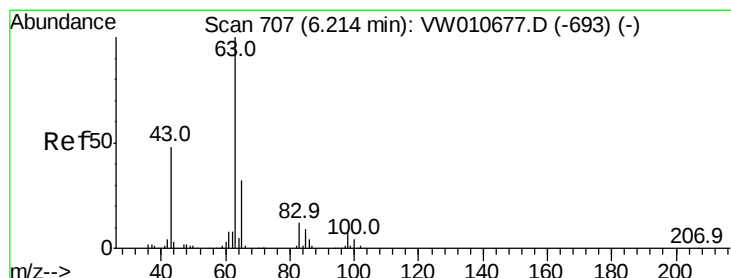
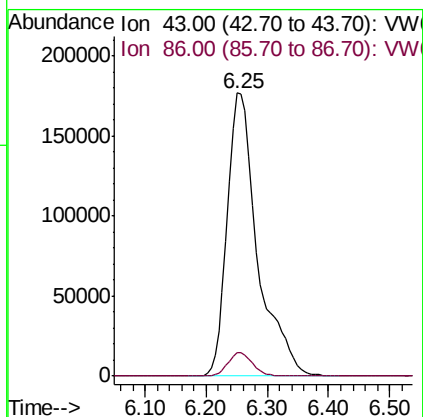
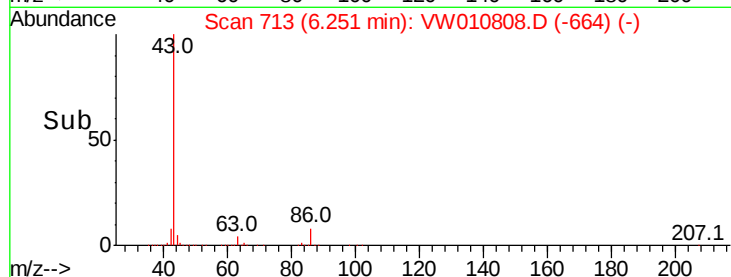
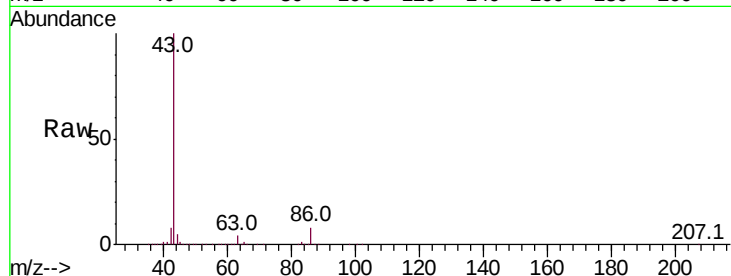
86 8.2 6.6 10.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.429 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

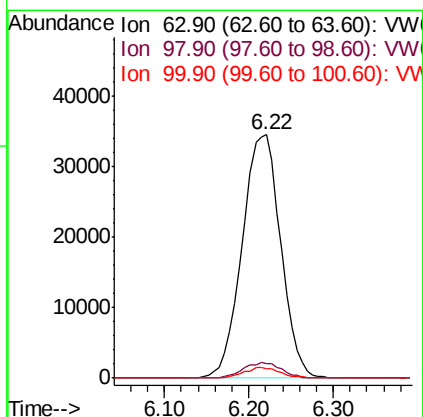
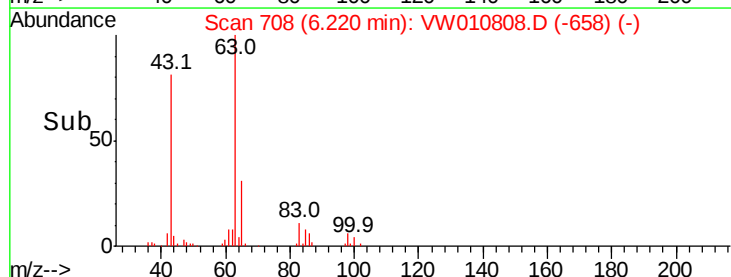
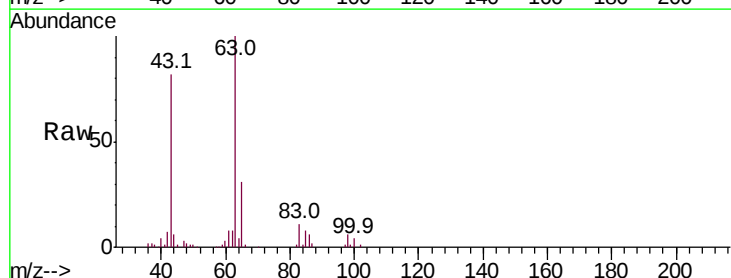
Tgt Ion: 63 Resp: 106911

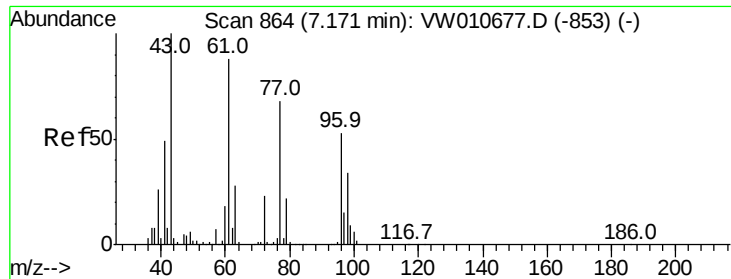
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 91.447 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 43 Resp: 97965

Ion Ratio Lower Upper

43 100

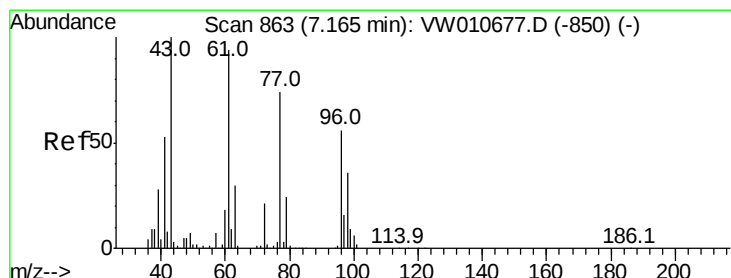
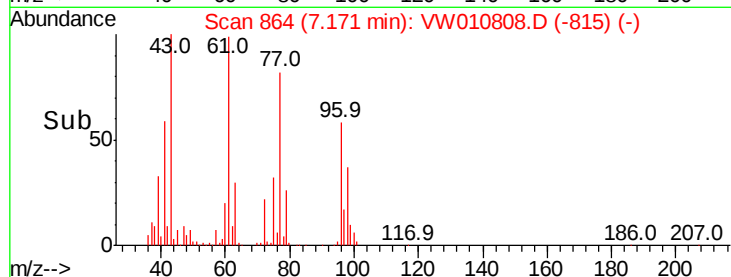
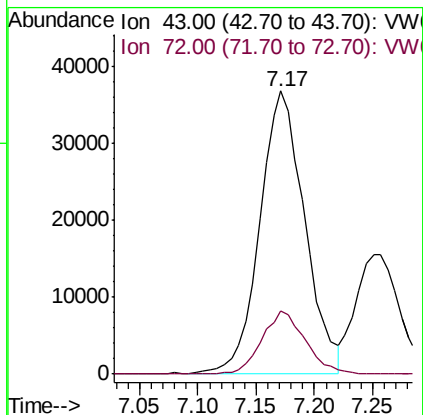
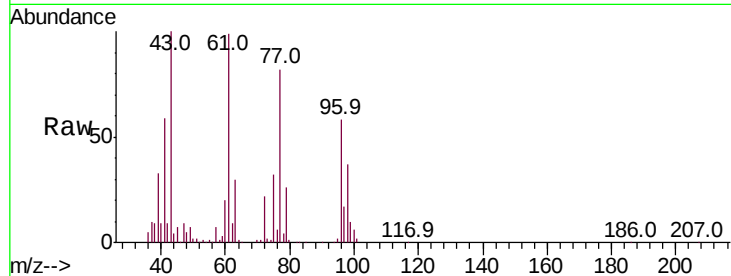
72 22.2 18.1 27.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.457 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010808.D

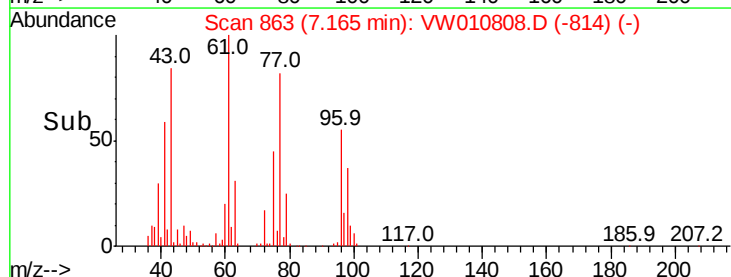
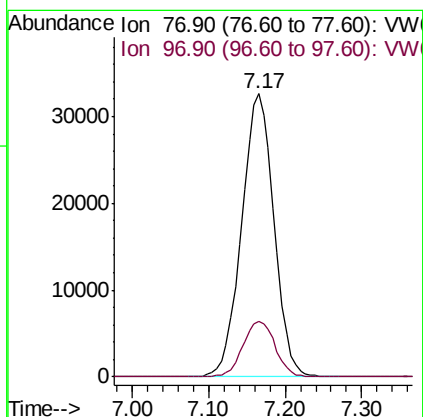
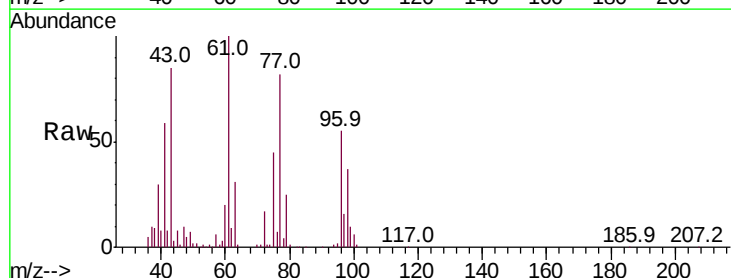
Acq: 14 Jun 2019 12:28

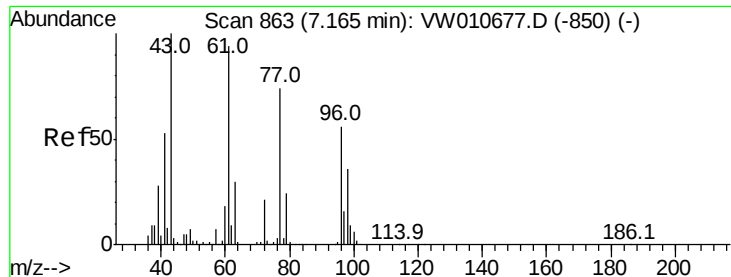
Tgt Ion: 77 Resp: 95636

Ion Ratio Lower Upper

77 100

97 19.6 10.5 31.6





#27

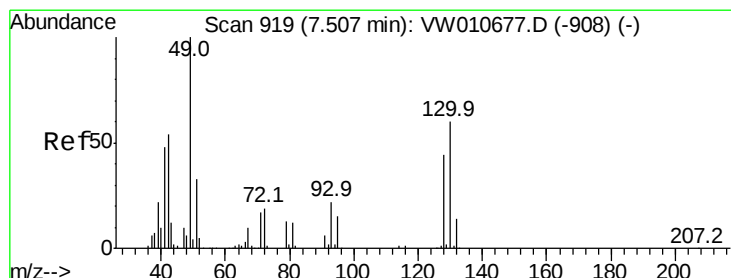
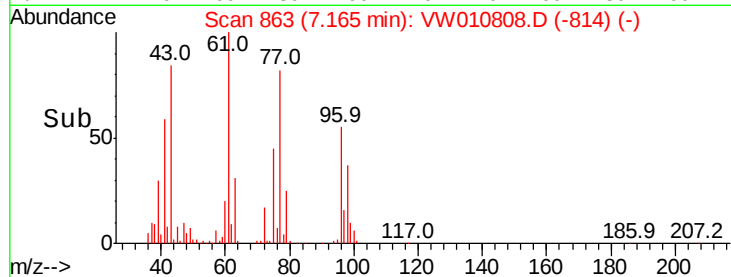
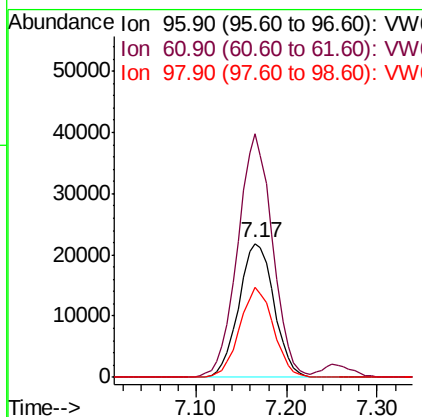
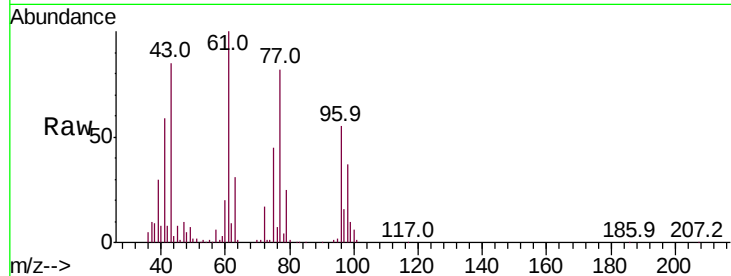
cis-1,2-Dichloroethene
Concen: 19.941 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampled :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.5	0.0	336.4
98	64.2	0.0	128.0

Manual Integrations
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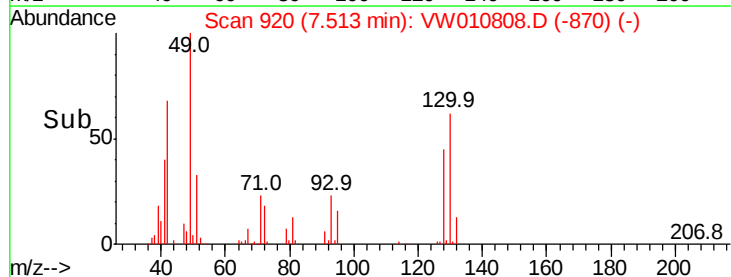
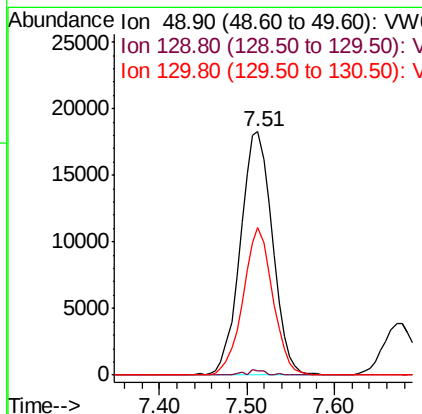
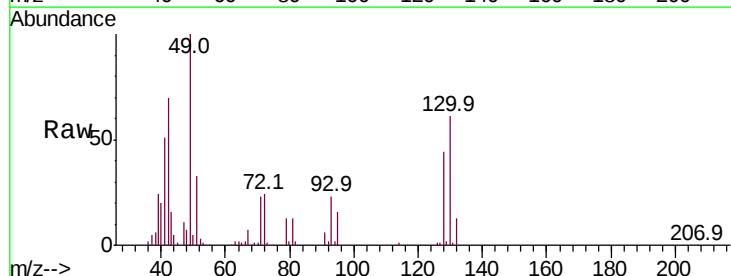
MMDadoda
6/17/2019 1:23:16 PM

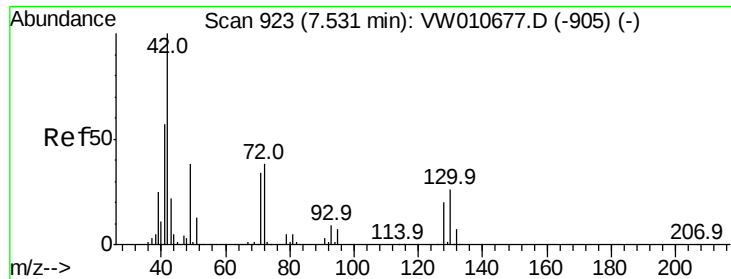


#28

Bromochloromethane
Concen: 19.939 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.2
130	55.7	48.3	72.5





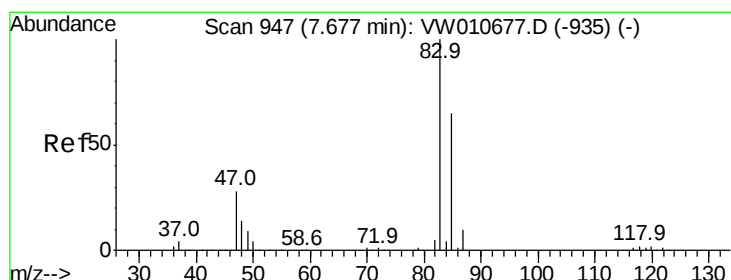
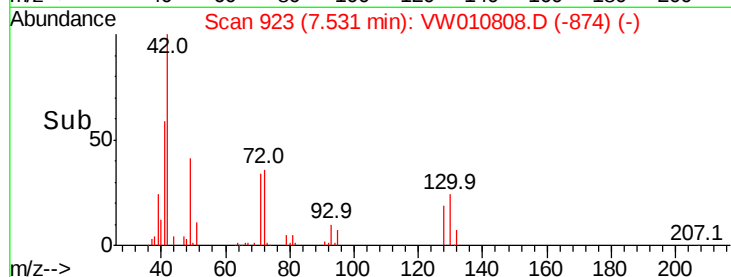
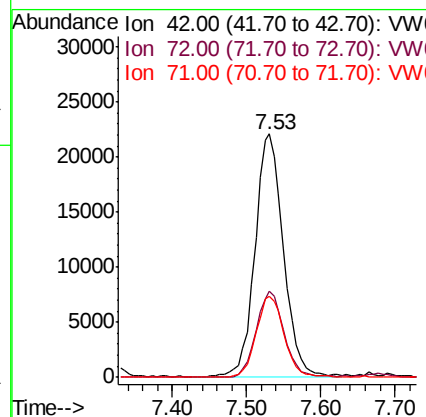
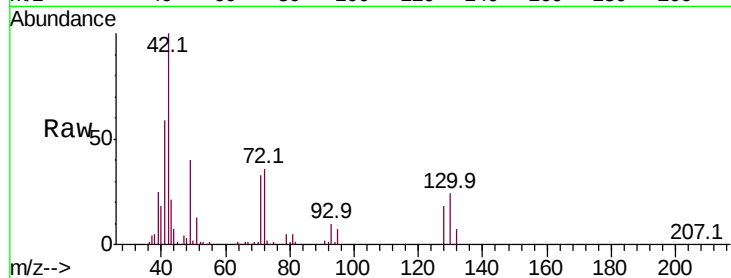
#29
Tetrahydrofuran
Concen: 88.175 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	28.7	43.1
71	32.6	26.6	39.8

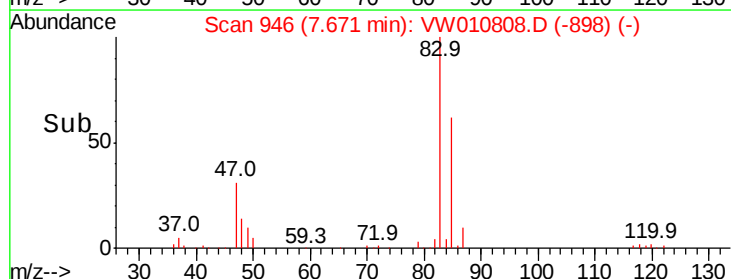
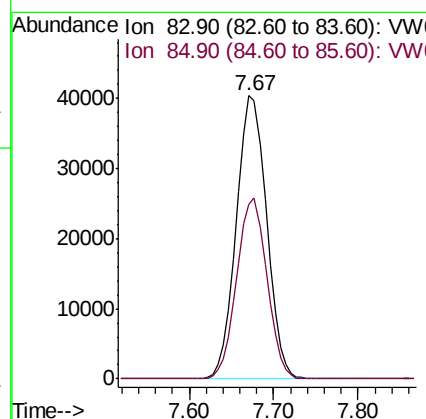
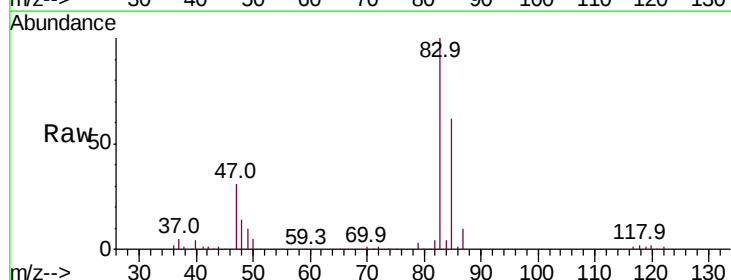
Manual Integrations
APPROVED

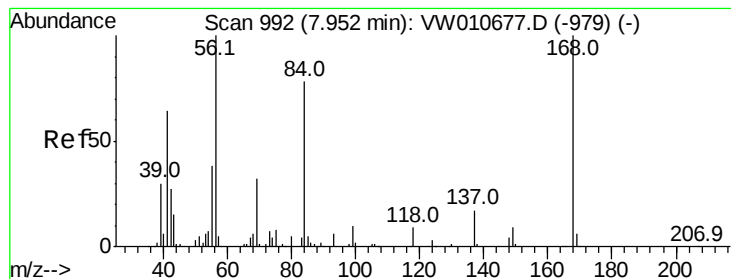
MMDadoda
6/17/2019 1:23:16 PM



#30
Chloroform
Concen: 20.595 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.8	77.8





#31

Cyclohexane

Concen: 19.957 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

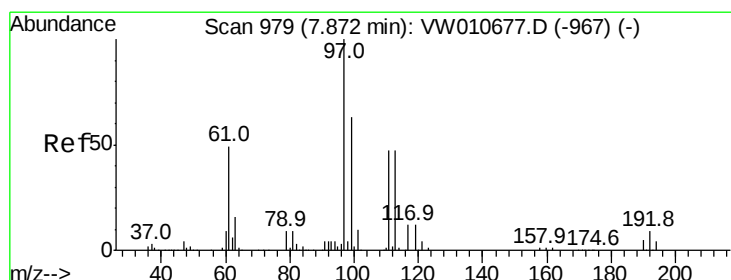
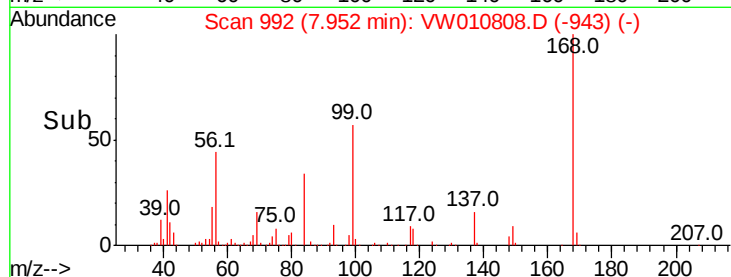
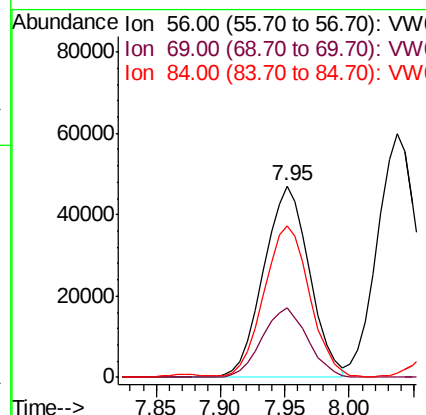
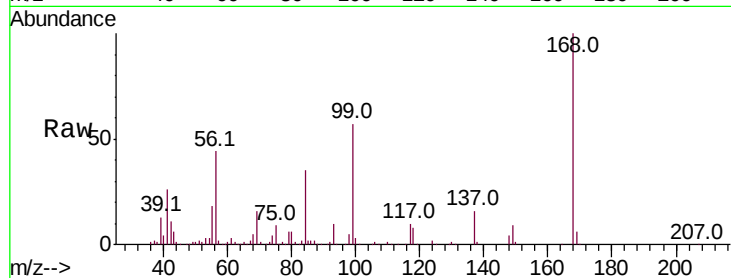
ClientSampleId :

VW0614SBS01

Tot Ion:	56	Resp:	116103
Ion Ratio	Lower	Upper	
56	100		
69	36.1	25.2	37.8
84	77.6	62.2	93.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.835 ug/l

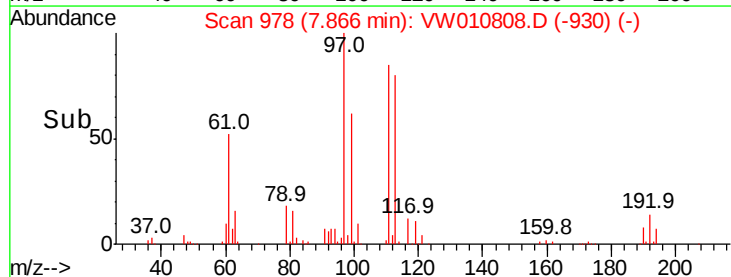
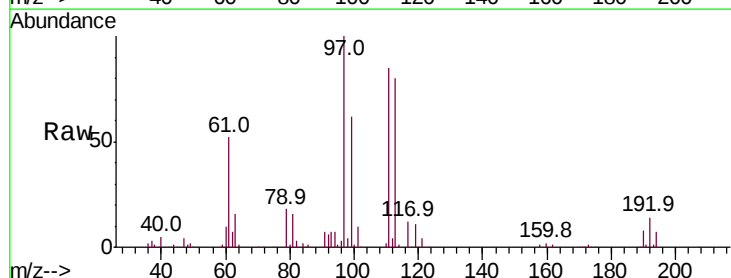
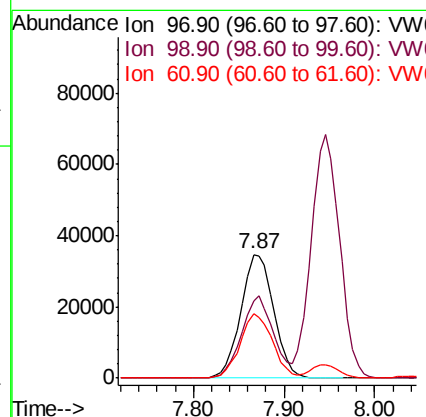
RT: 7.87 min Scan# 978

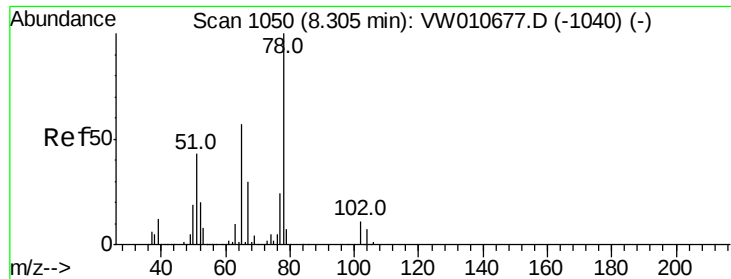
Delta R.T. -0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	97	Resp:	87119
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.3	76.9
61	51.4	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 52.939 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 65 Resp: 152640

Ion Ratio Lower Upper

65 100

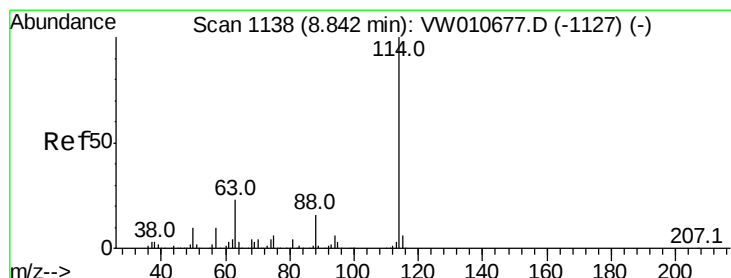
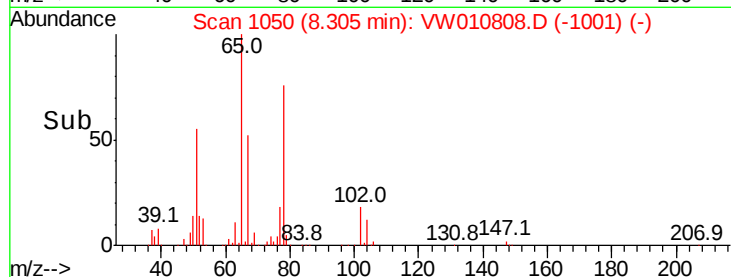
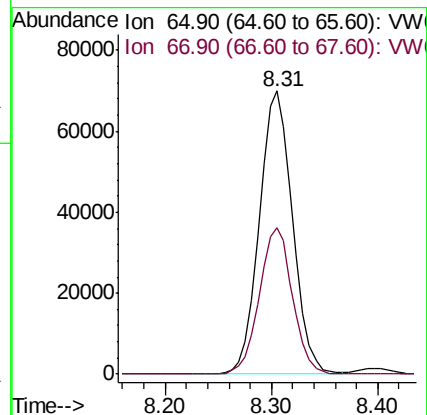
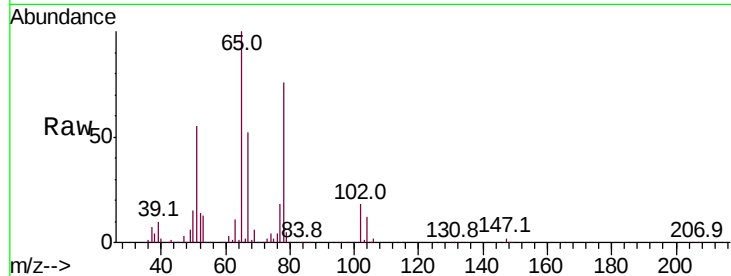
67 51.5 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

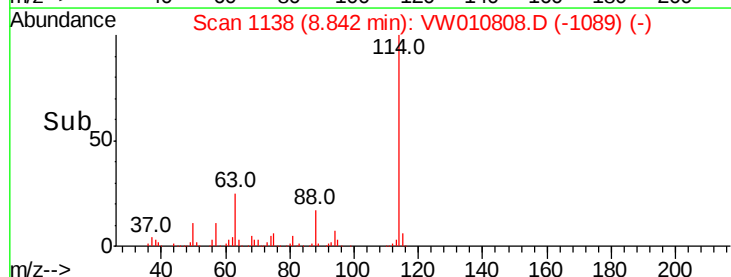
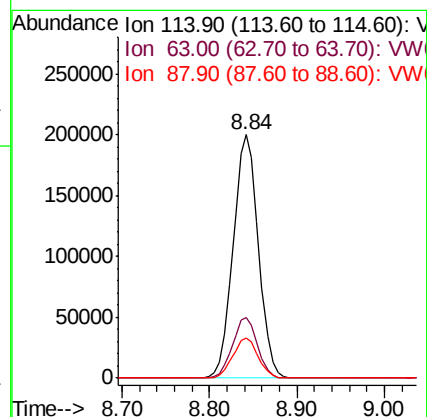
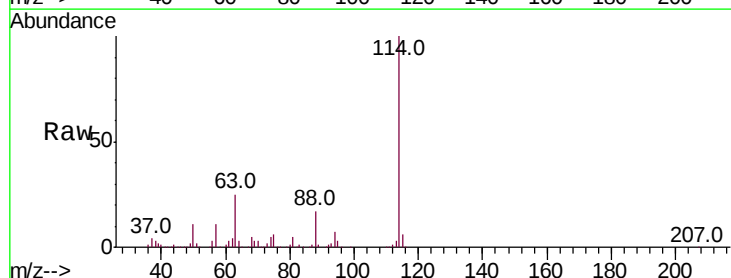
Tgt Ion: 114 Resp: 399122

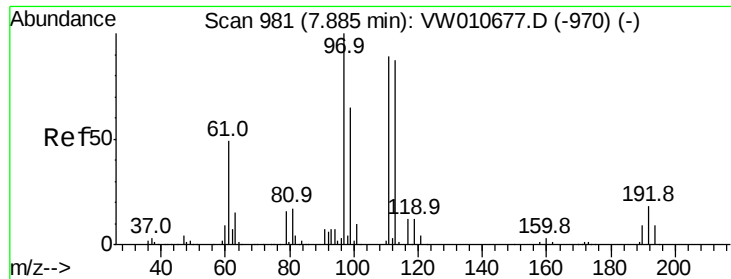
Ion Ratio Lower Upper

114 100

63 25.0 0.0 46.4

88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.750 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

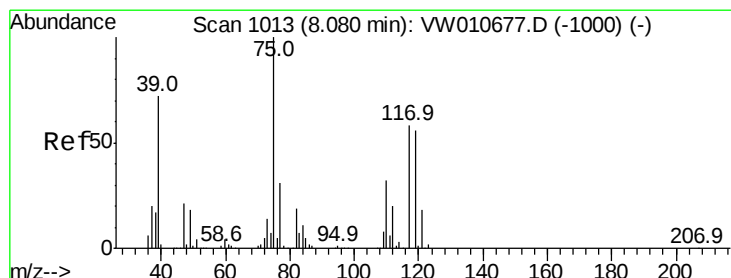
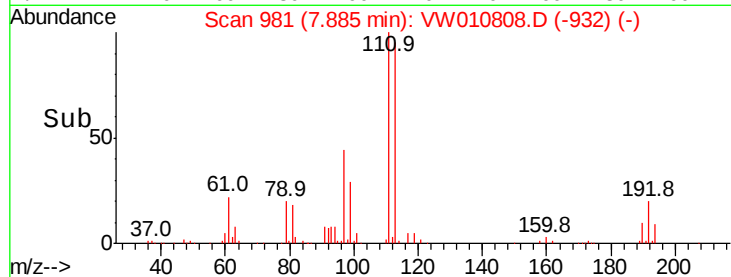
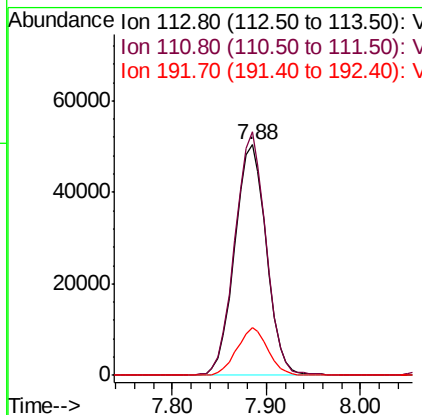
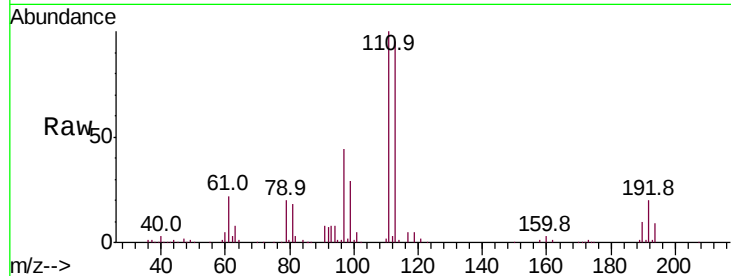
ClientSampleId :

VW0614SBS01

Tot Ion:	113	Resp:	118607
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.6	123.8
192	20.0	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.378 ug/l

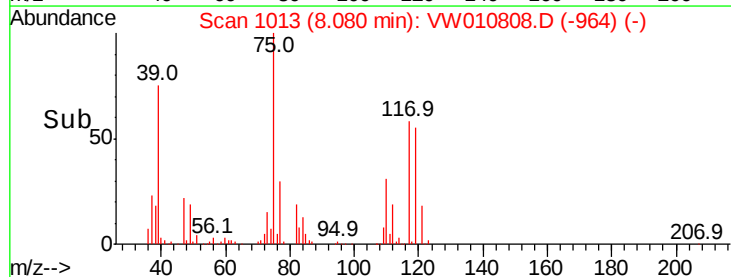
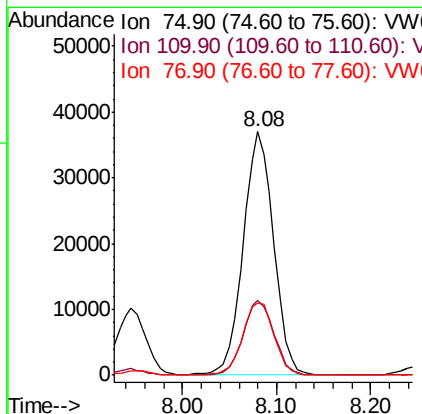
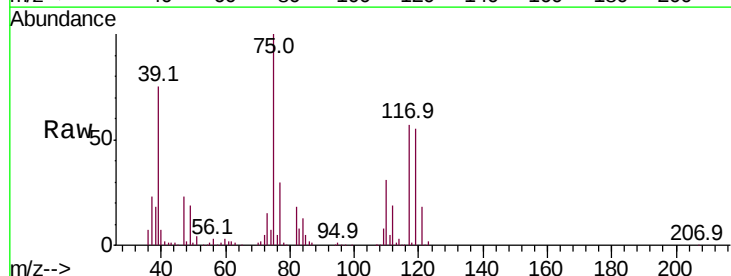
RT: 8.08 min Scan# 1013

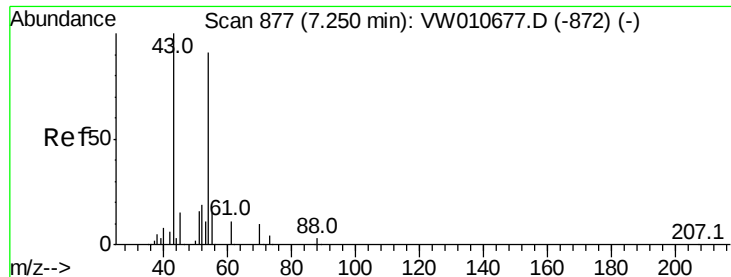
Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	75	Resp:	83252
Ion Ratio	Lower	Upper	
75	100		
110	31.1	15.8	47.3
77	31.0	24.7	37.1





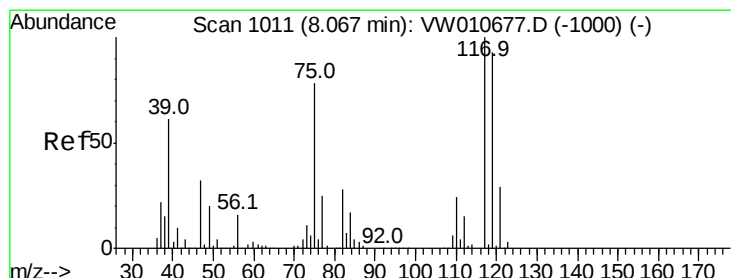
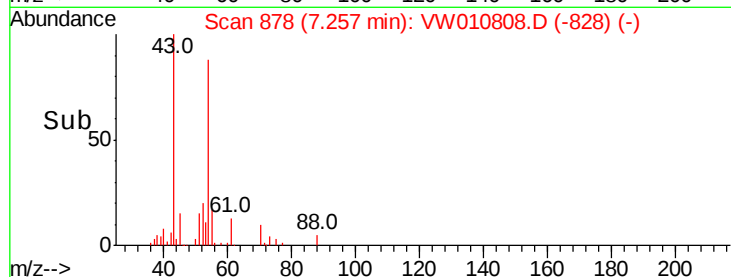
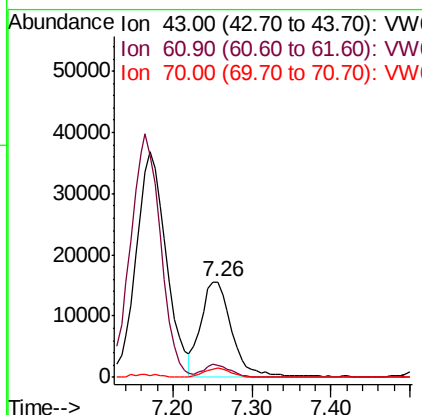
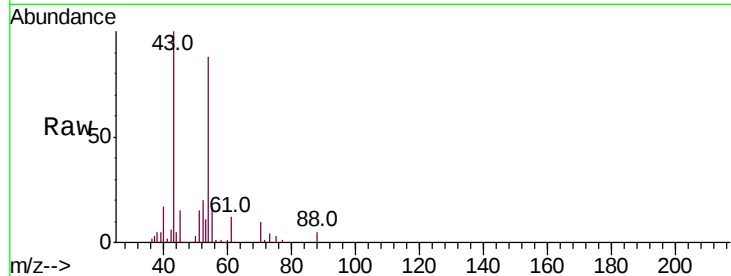
#37
Ethyl Acetate
Concen: 18.433 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampled :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.7	14.5
70	9.0	7.2	10.8

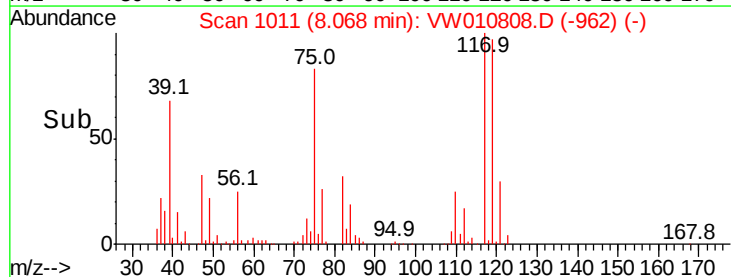
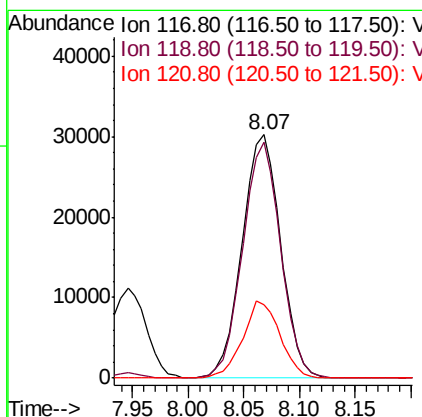
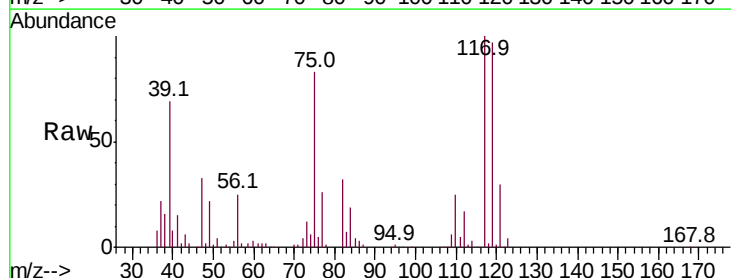
Manual Integrations
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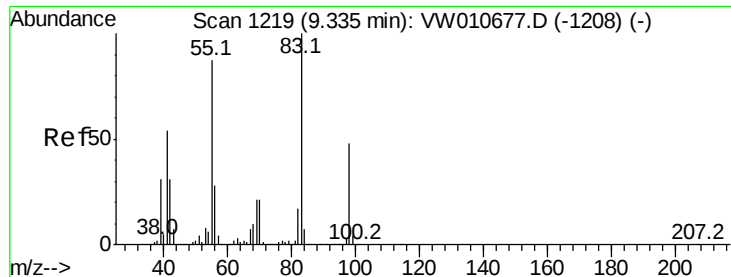
MMDadoda
6/17/2019 1:23:16 PM



#38
Carbon Tetrachloride
Concen: 20.707 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.2	111.4
121	30.1	22.9	34.3





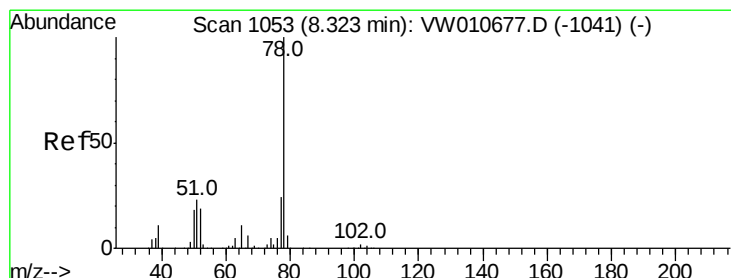
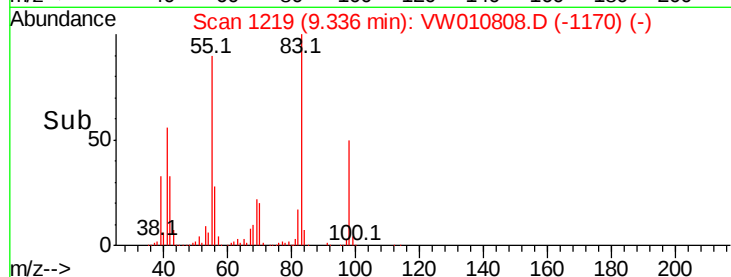
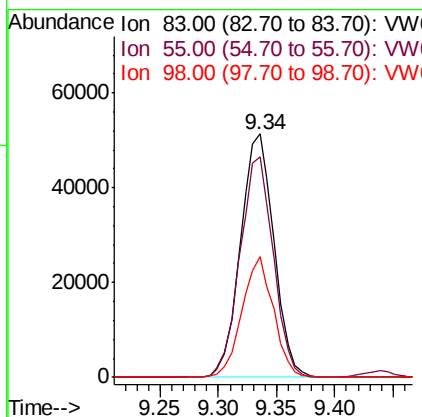
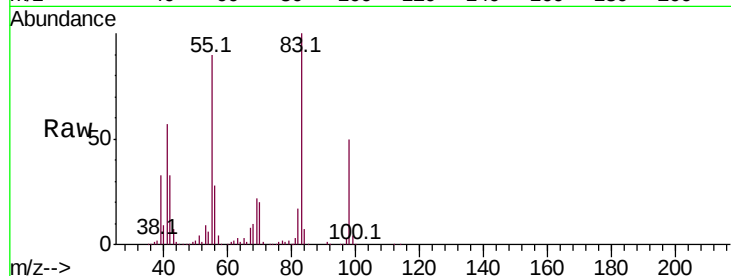
#39
Methvlcvclohexane
Concen: 19.823 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.2	70.0	105.0
98	49.6	38.1	57.1

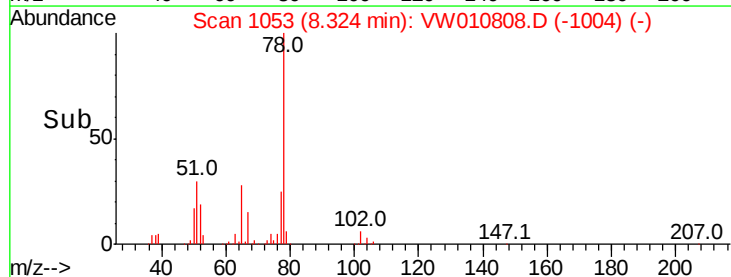
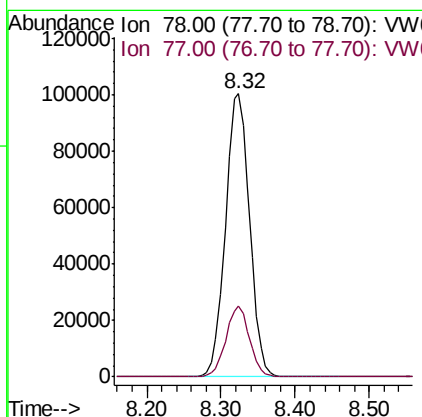
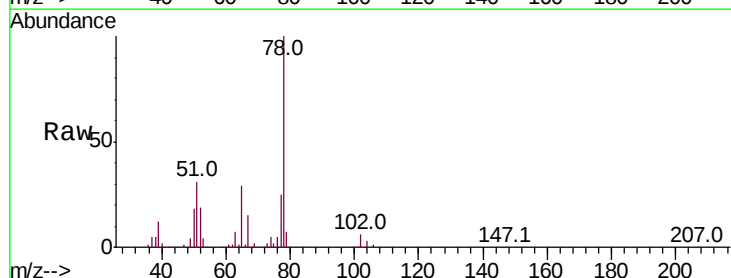
Manual Integrations
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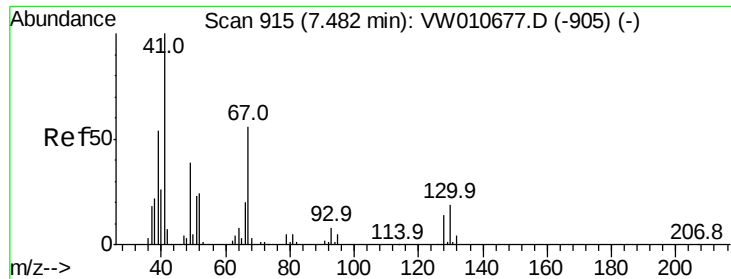
MMDadoda
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#40
Benzene
Concen: 20.281 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.1	28.7





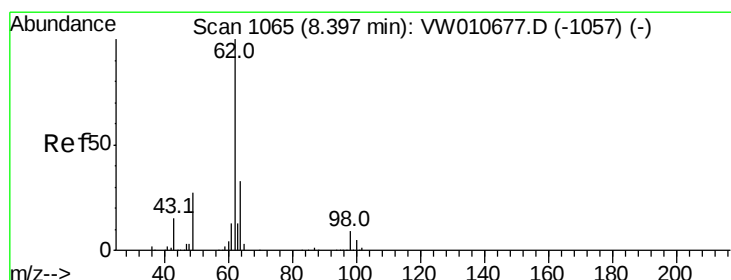
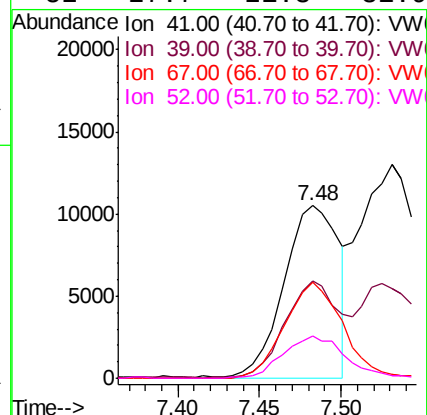
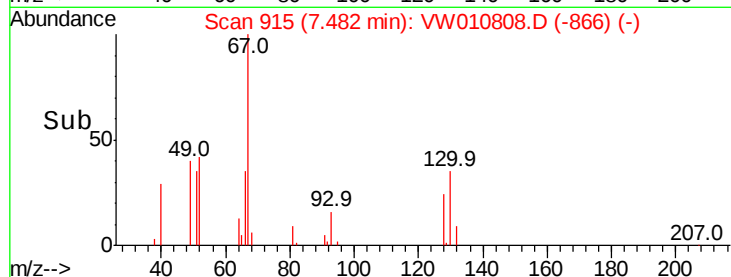
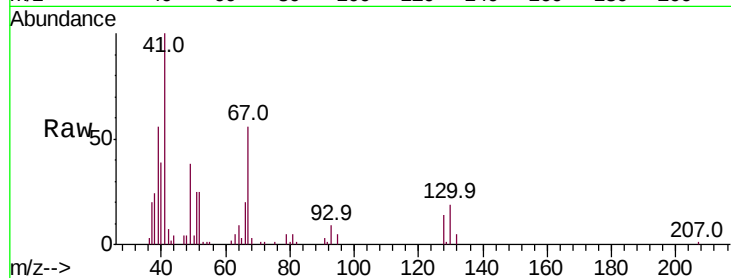
#41
Methacrylonitrile
Concen: 18.296 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.8	47.3	70.9
67	59.5	47.2	70.8
52	27.7	21.3	31.9

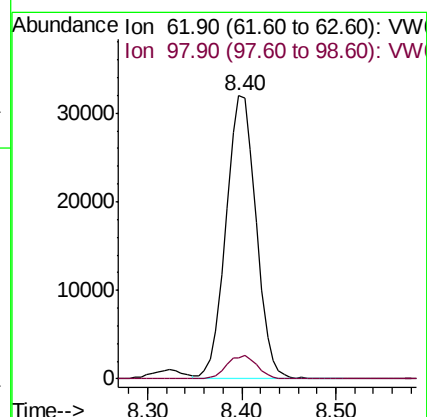
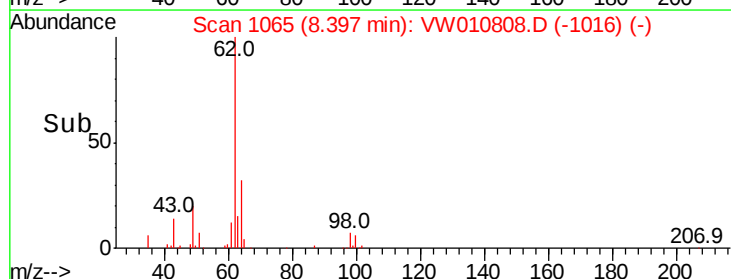
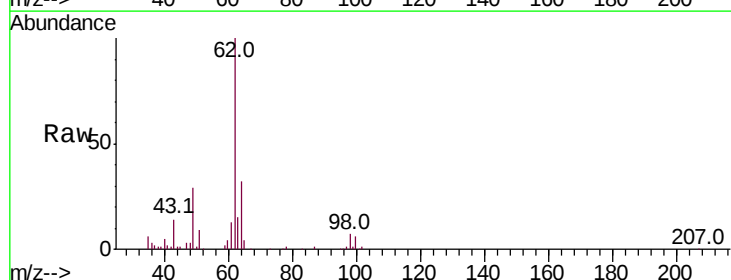
Manual Integrations
APPROVED

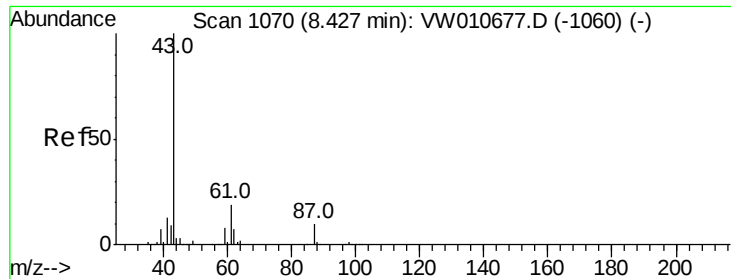
MMDadoda
6/17/2019 1:23:16 PM



#42
1,2-Dichloroethane
Concen: 20.051 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.330 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

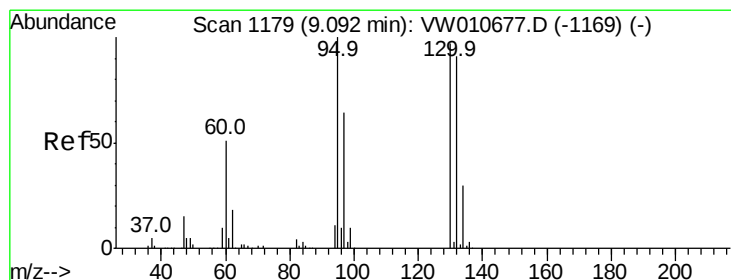
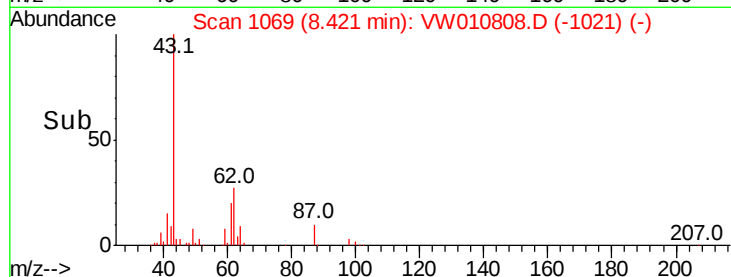
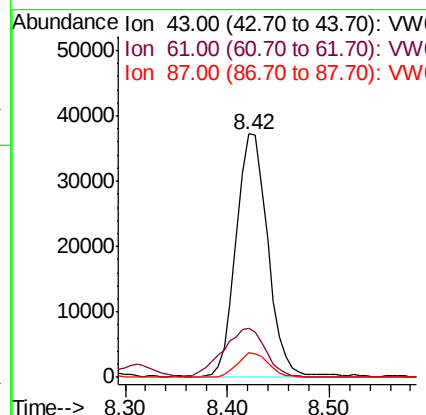
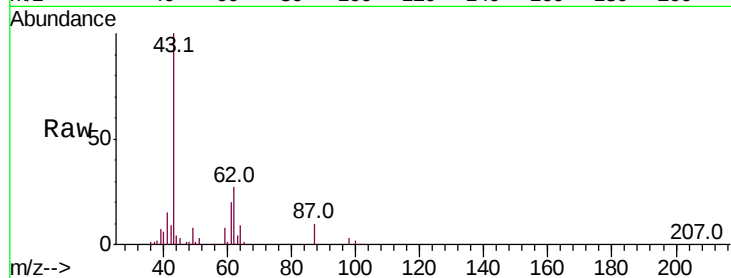
ClientSampled :

VW0614SBS01

Tot Ion:	43	Resp:	80170
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.2	31.8
87	10.1	8.3	12.5

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#44

Trichloroethene

Concen: 19.842 ug/l

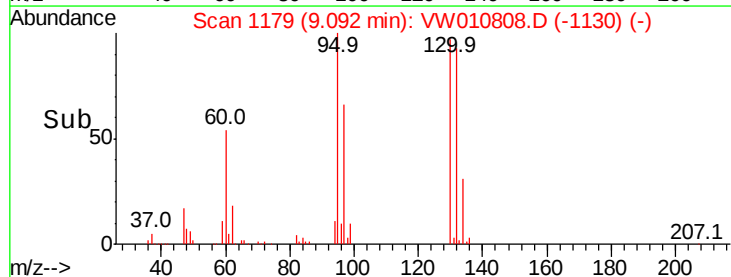
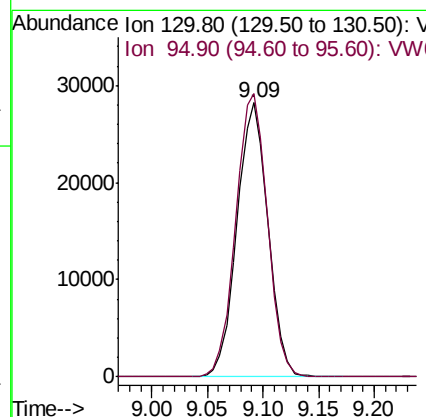
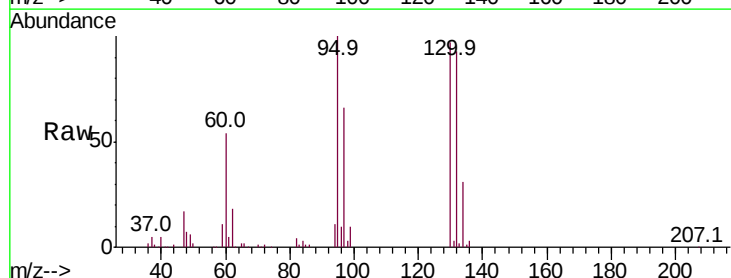
RT: 9.09 min Scan# 1179

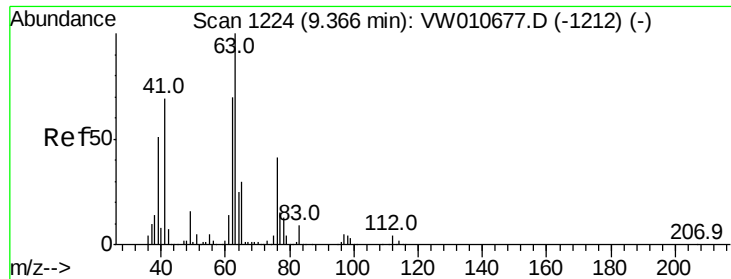
Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	130	Resp:	54552
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.259 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 63 Resp: 59770

Ion Ratio Lower Upper

63 100

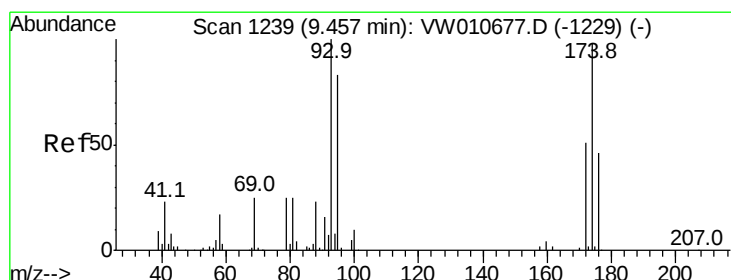
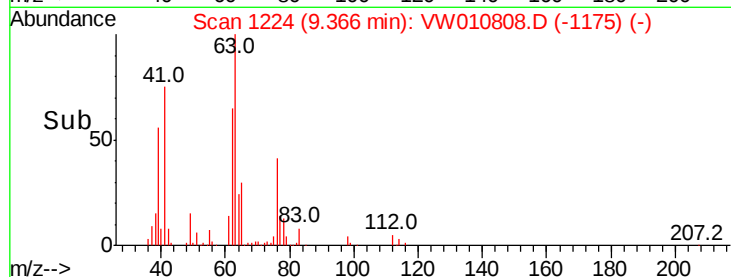
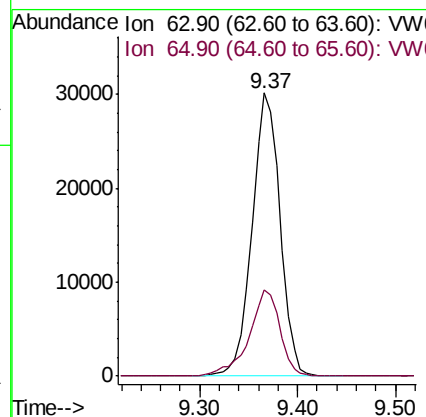
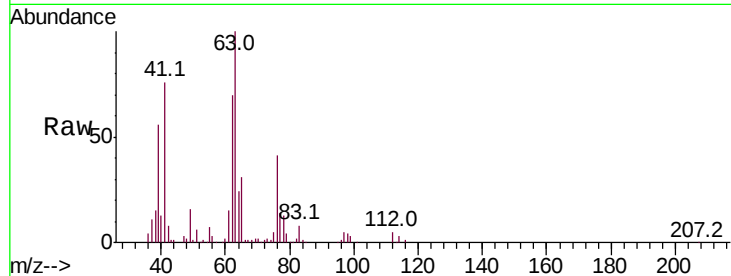
65 30.7 23.8 35.6

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#46

Dibromomethane

Concen: 19.059 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

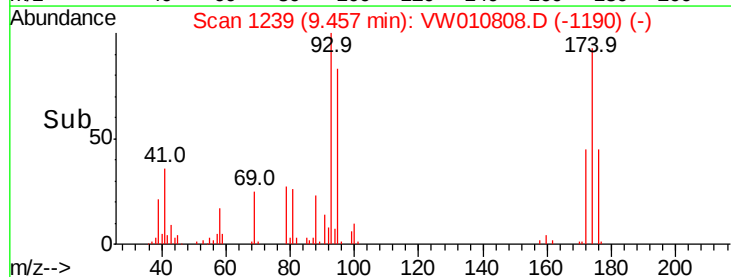
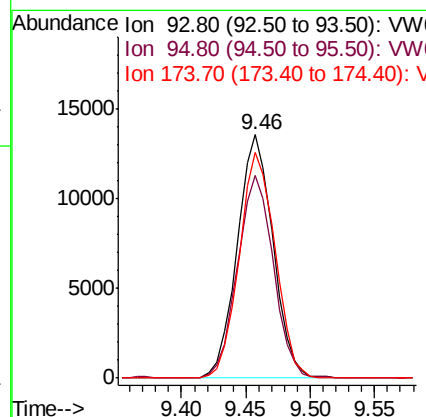
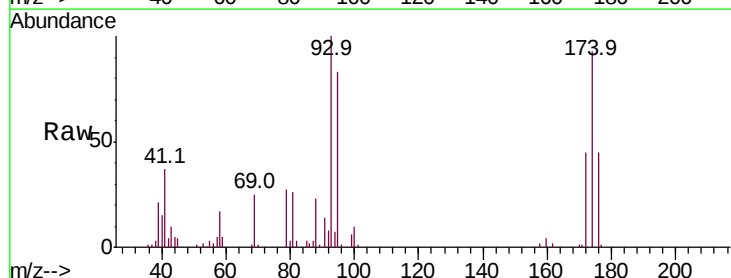
Tgt Ion: 93 Resp: 26118

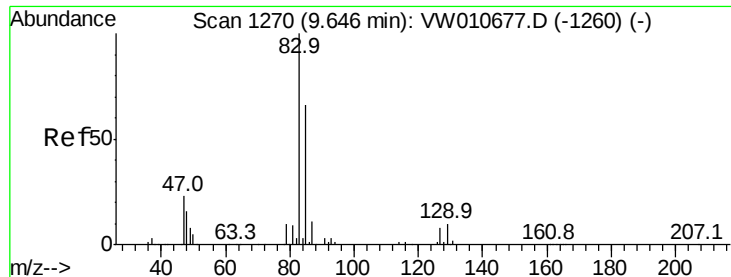
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.8

174 92.9 77.4 116.0





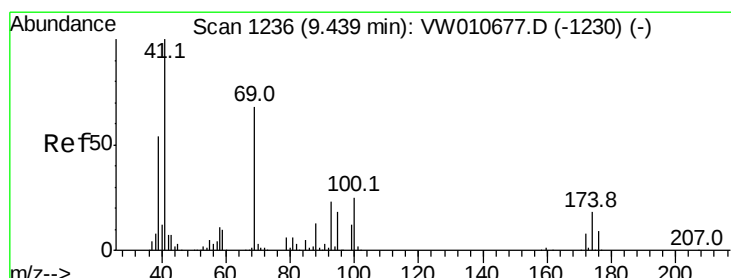
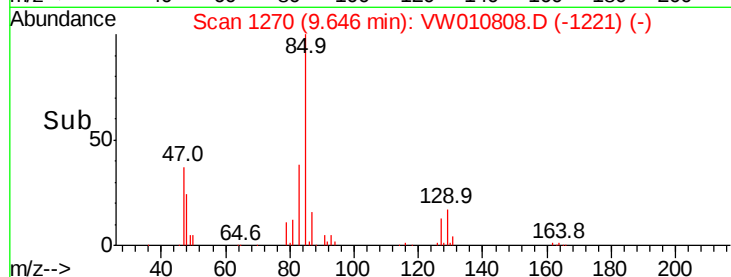
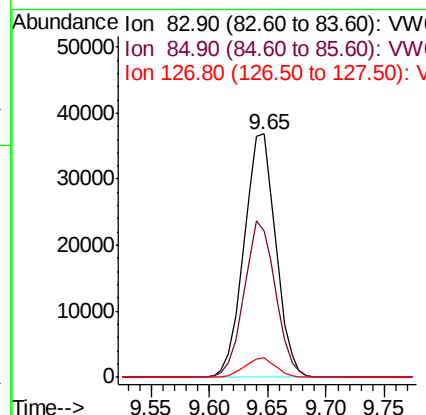
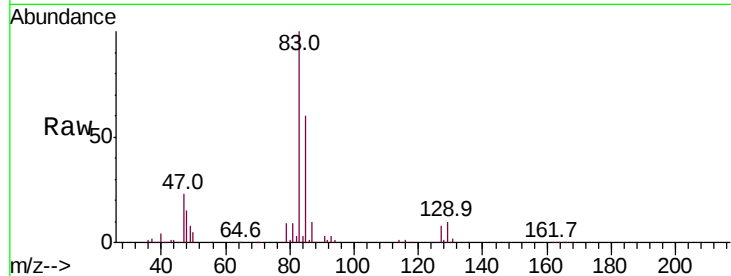
#47
Bromodichloromethane
Concen: 19.846 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampled :
VW0614SBS01

Tot Ion	83	Resp	70496
Ion Ratio	100	Lower	Upper
83	100		
85	60.0	53.0	79.4
127	8.0	6.4	9.6

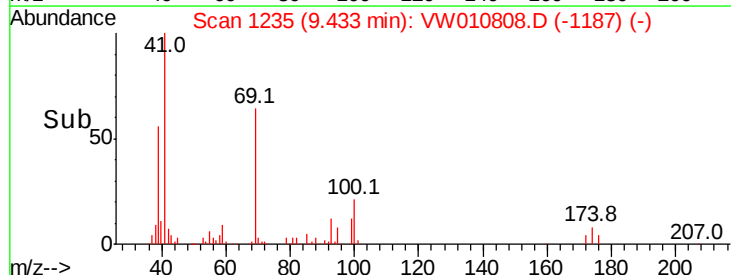
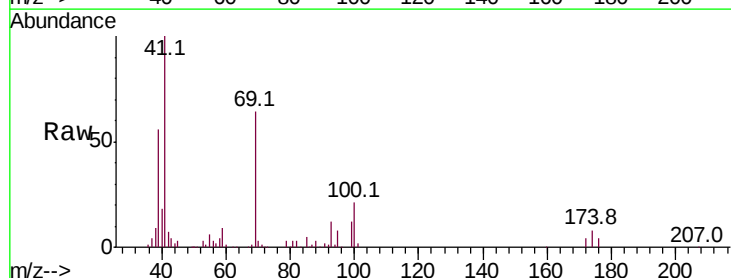
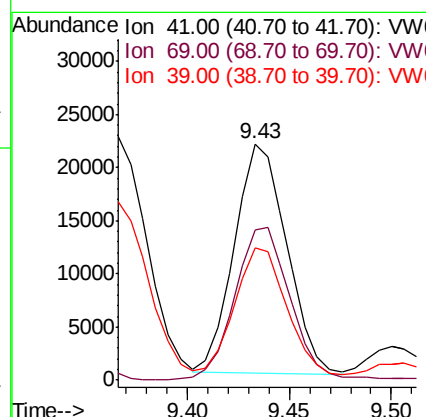
Manual Integrations
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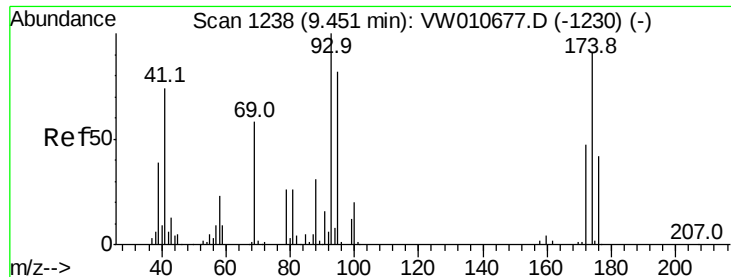
MMDadoda
6/17/2019 1:23:16 PM



#48
Methyl methacrylate
Concen: 18.141 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	41	Resp	38256
Ion Ratio	100	Lower	Upper
41	100		
69	71.5	56.6	85.0
39	60.6	44.4	66.6





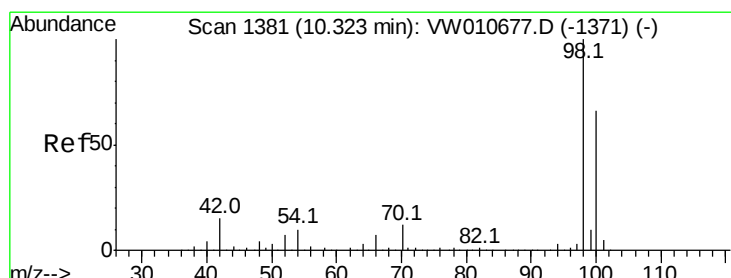
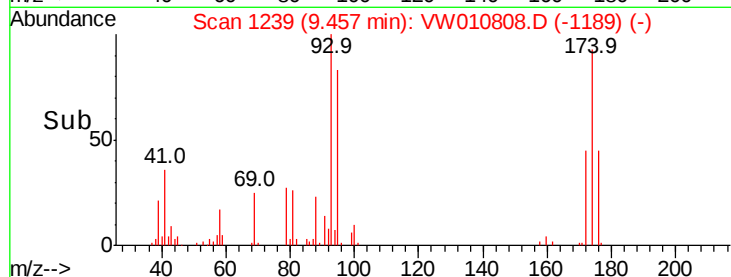
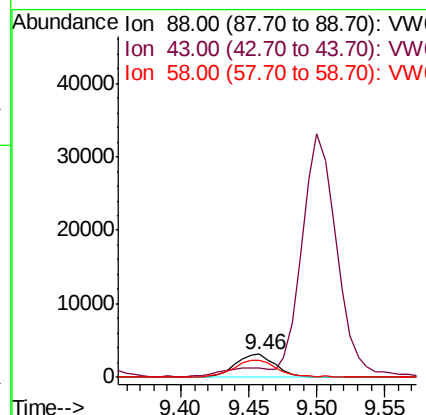
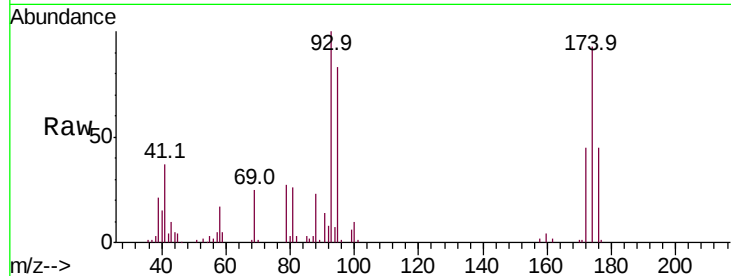
#49
1,4-Dioxane
Concen: 299.092 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	88	Resp	6408
Ion	Ratio	Lower	Upper
88	100		
43	44.3	34.2	51.4
58	84.3	69.0	103.4

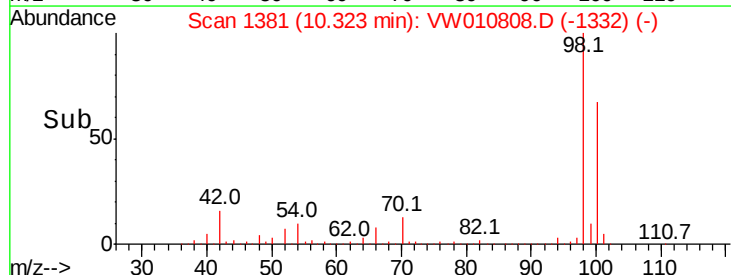
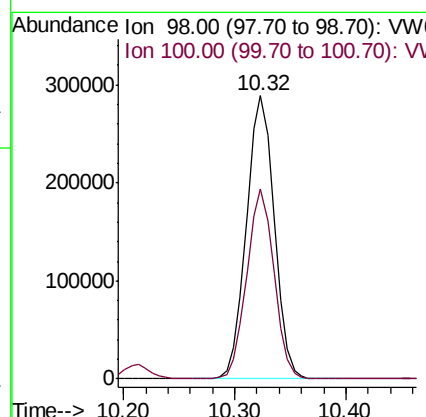
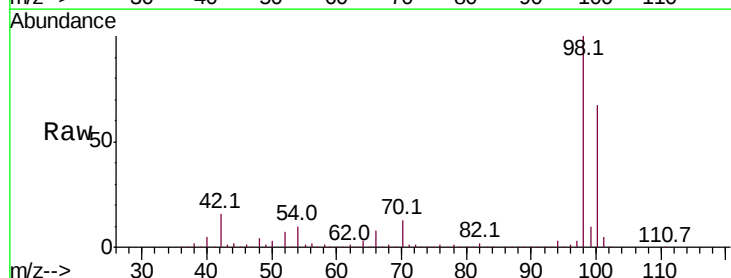
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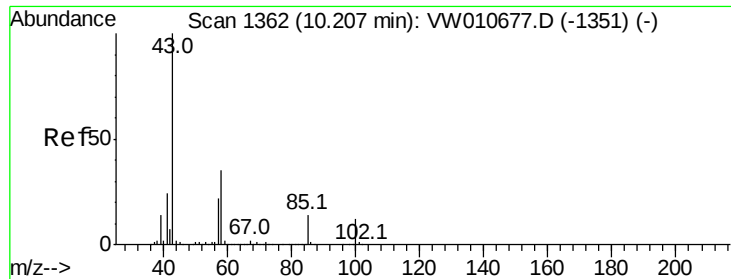
MMDadoda
6/17/2019 1:23:16 PM



#50
Toluene-d8
Concen: 52.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	98	Resp	502234
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 90.173 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 43 Resp: 201485

Ion Ratio Lower Upper

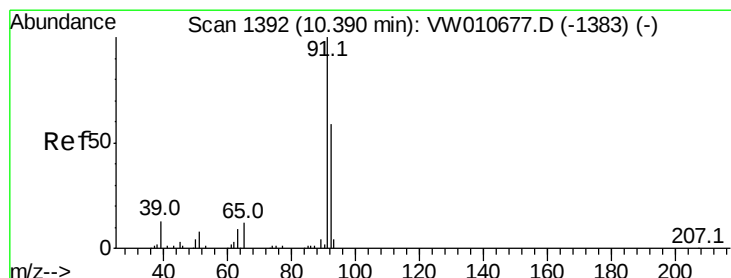
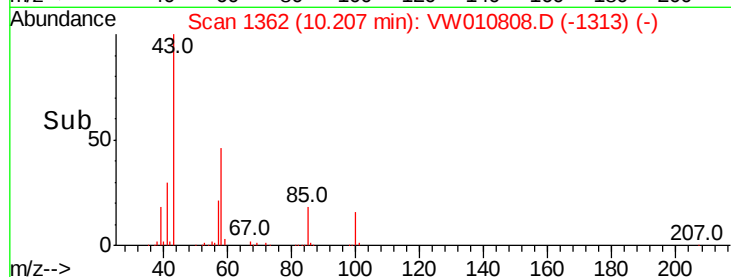
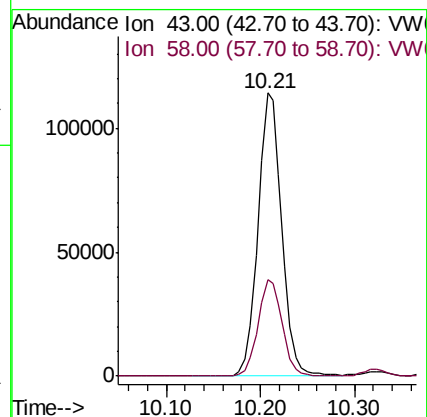
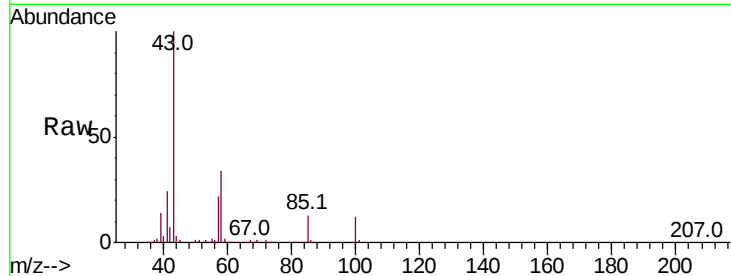
43 100

58 34.7 28.4 42.6

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#52

Toluene

Concen: 20.058 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010808.D

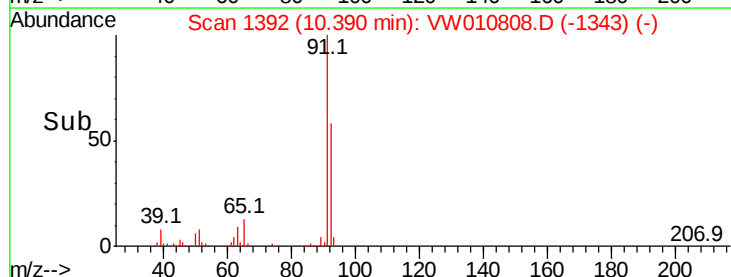
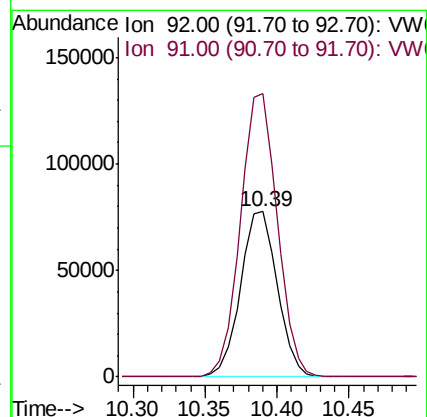
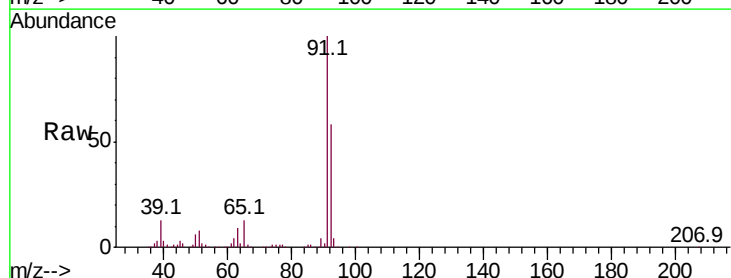
Acq: 14 Jun 2019 12:28

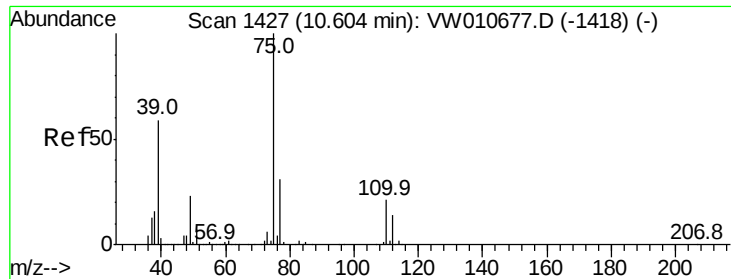
Tgt Ion: 92 Resp: 137549

Ion Ratio Lower Upper

92 100

91 172.1 134.9 202.3





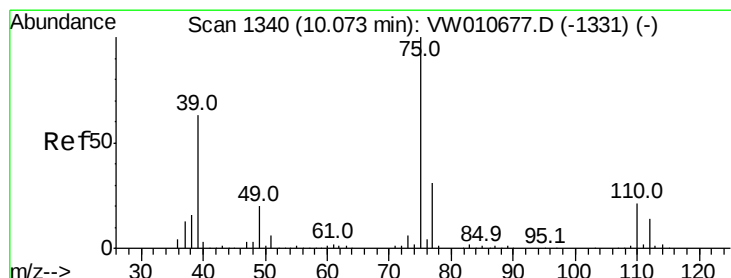
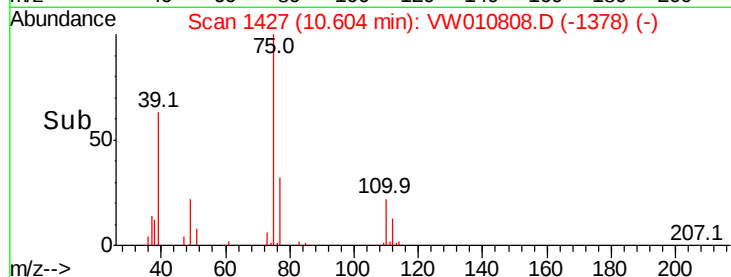
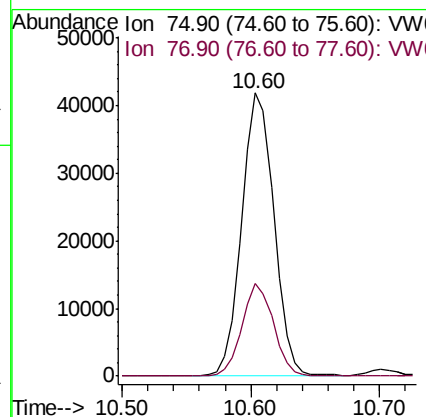
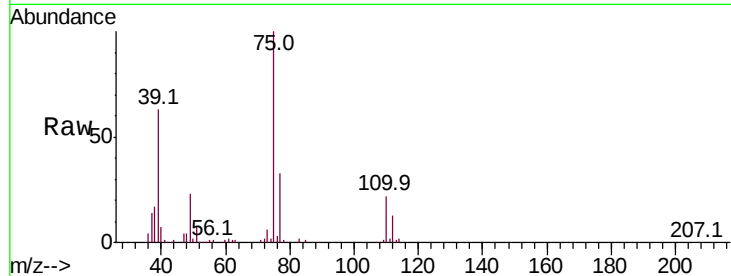
#53
t-1,3-Dichloropropene
Concen: 19.238 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion: 75 Resp: 72382
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8

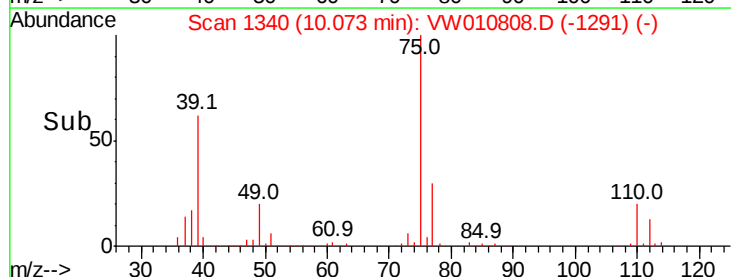
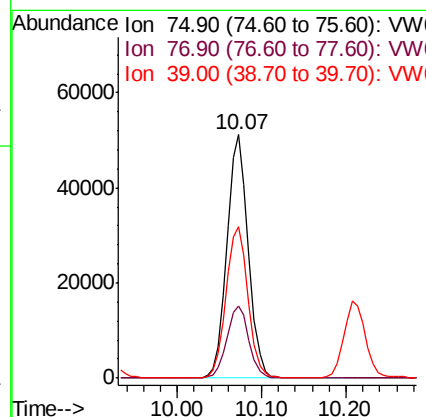
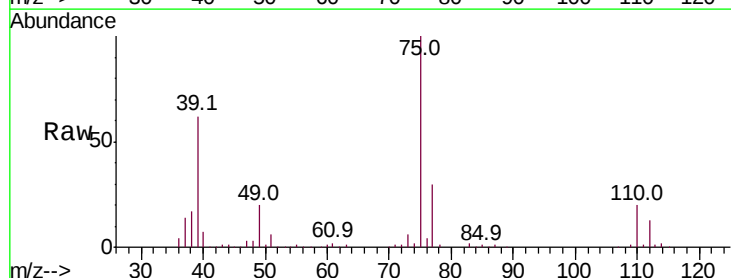
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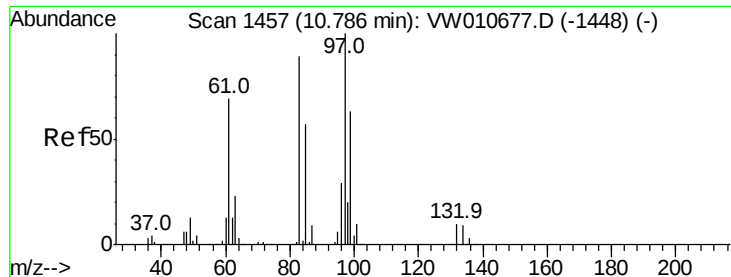
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#54
cis-1,3-Dichloropropene
Concen: 20.046 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion: 75 Resp: 88750
Ion Ratio Lower Upper
75 100
77 29.5 25.2 37.8
39 62.0 50.1 75.1





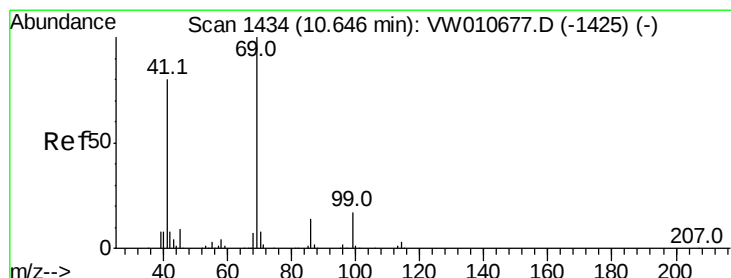
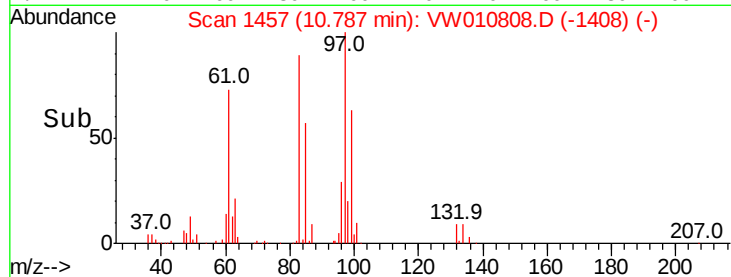
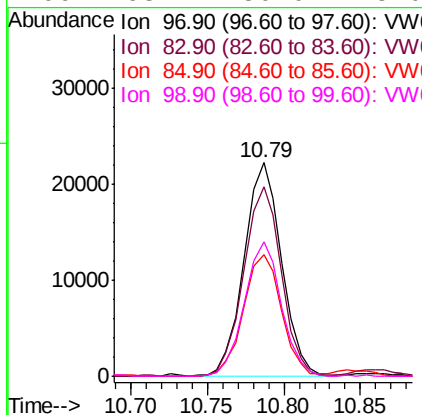
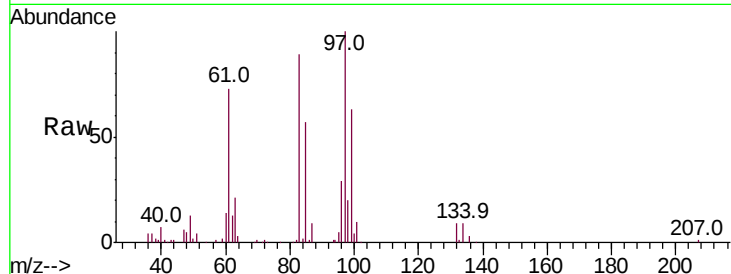
#55
 1,1,2-Trichloroethane
 Concen: 19.080 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Tot Ion:	97	Resp:	37666
Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.1	106.7
85	57.4	45.2	67.8
99	63.1	50.0	75.0

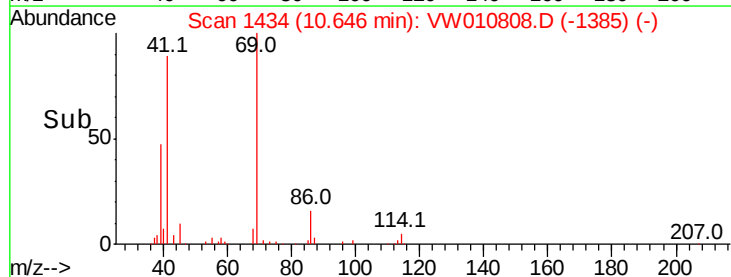
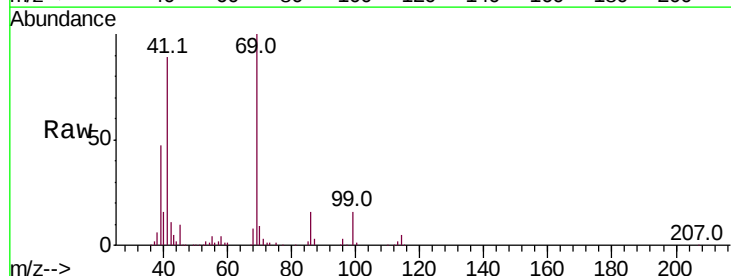
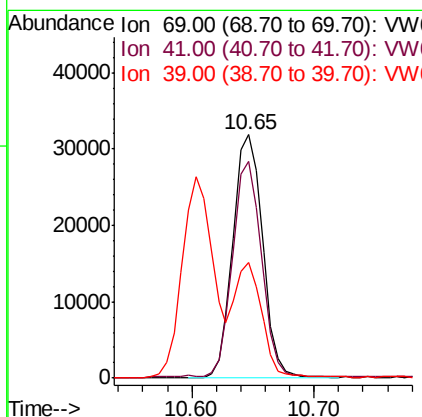
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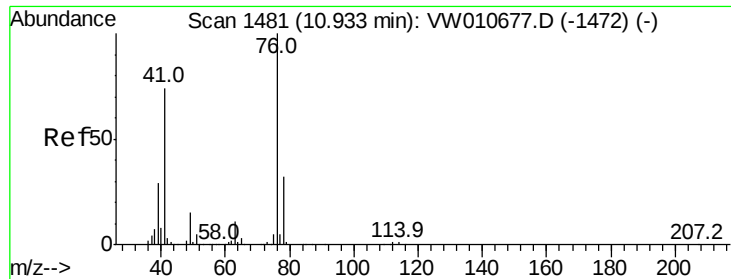
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#56
 Ethyl methacrylate
 Concen: 17.705 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion:	69	Resp:	53782
Ion	Ratio	Lower	Upper
69	100		
41	87.8	64.8	97.2
39	43.3	32.2	48.2





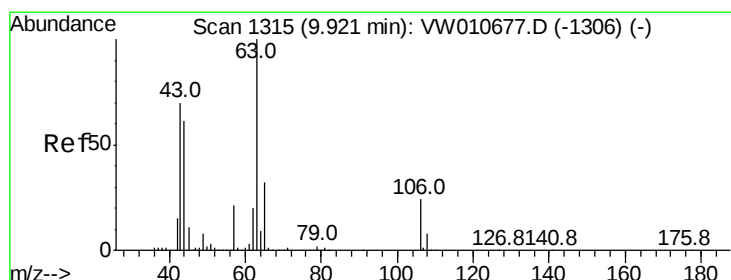
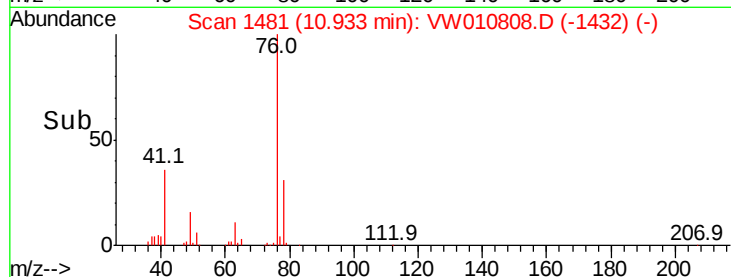
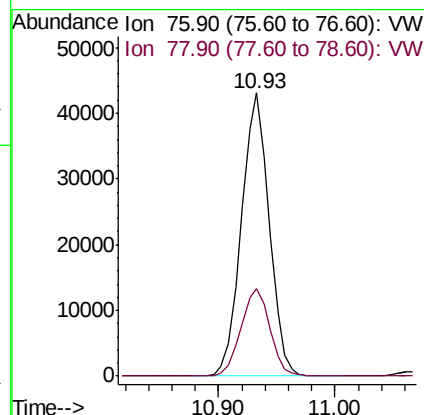
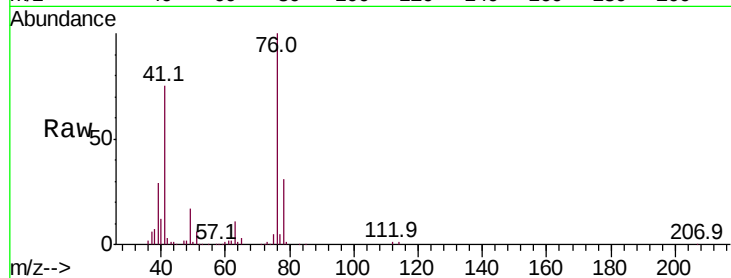
#57
 1,3-Dichloropropane
 Concen: 19.209 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Tot Ion: 76 Resp: 71465
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

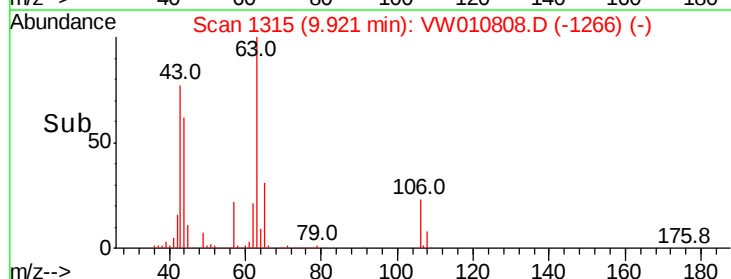
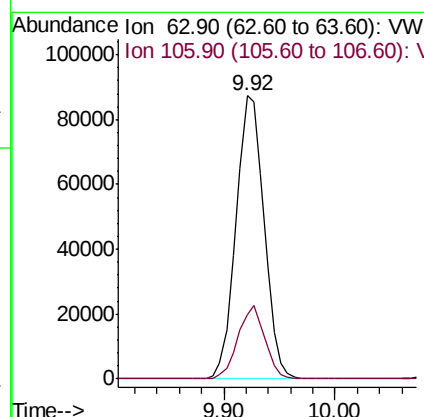
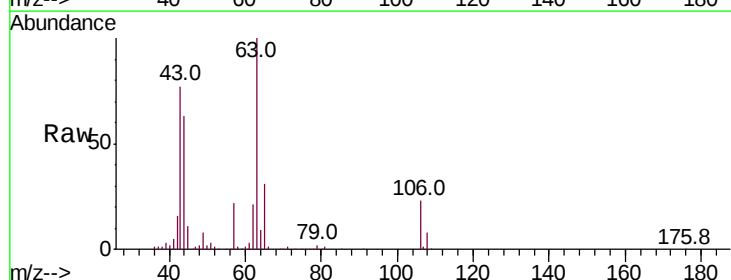
Manual Integrations
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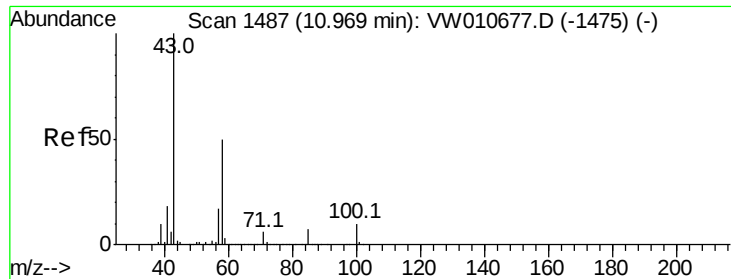
MMDadoda
 6/17/2019 1:23:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.933 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion: 63 Resp: 152636
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.1 30.1





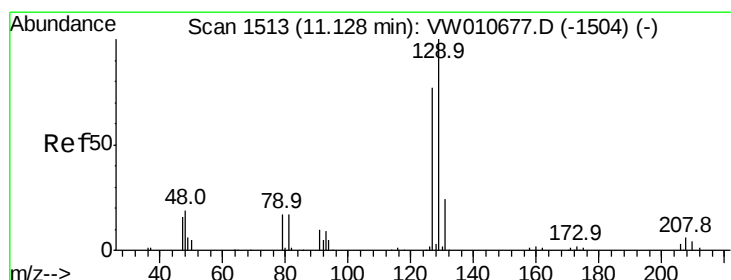
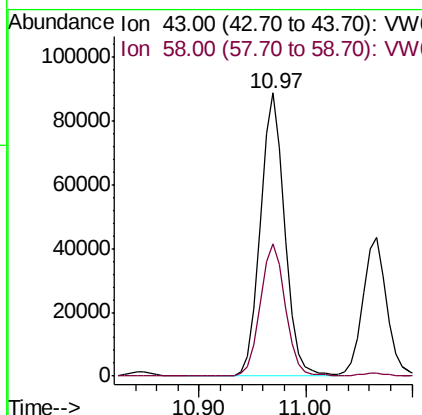
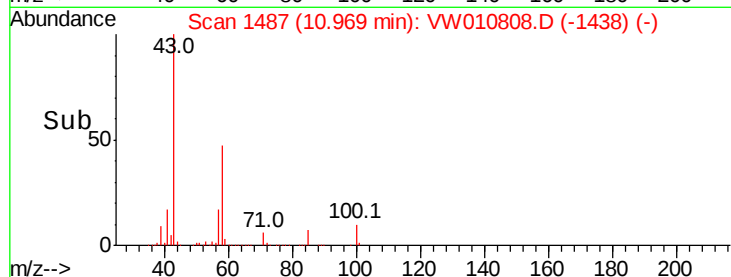
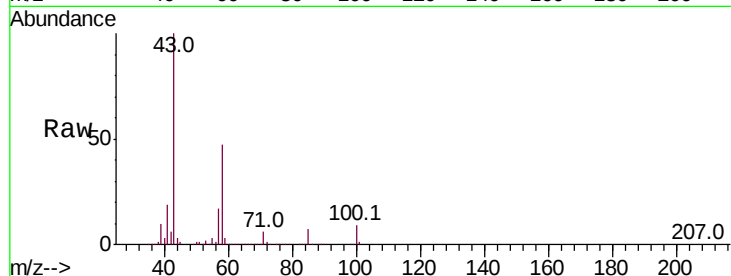
#59
2-Hexanone
Concen: 87.706 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion: 43 Resp: 141634
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.6

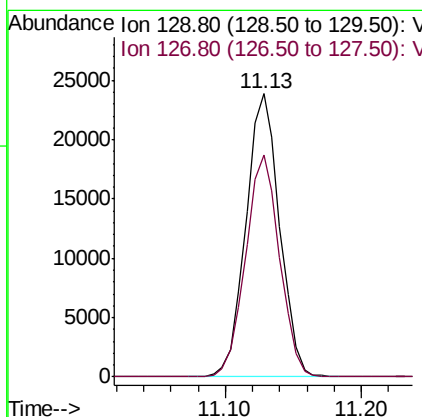
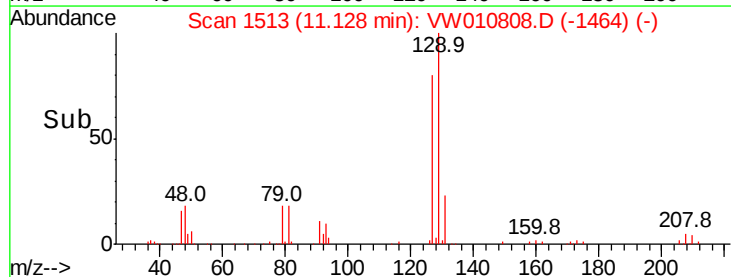
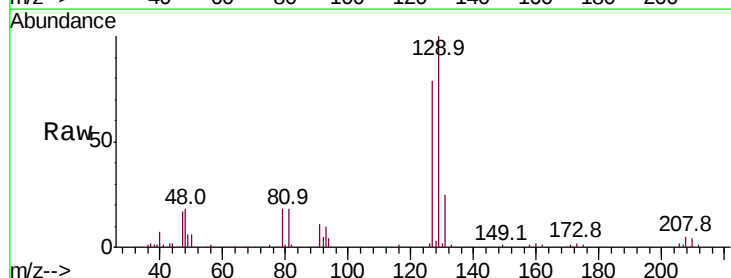
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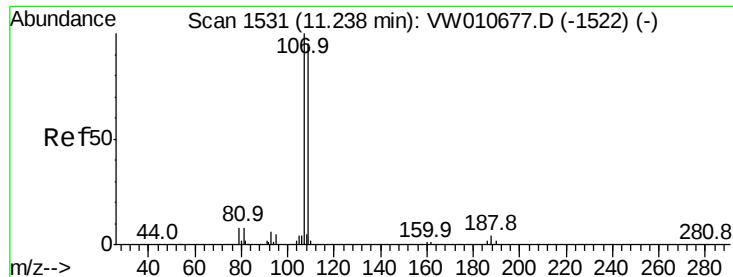
MMDadoda
6/17/2019 1:23:16 PM



#60
Dibromochloromethane
Concen: 18.888 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion: 129 Resp: 41335
Ion Ratio Lower Upper
129 100
127 79.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.727 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion:107 Resp: 35027

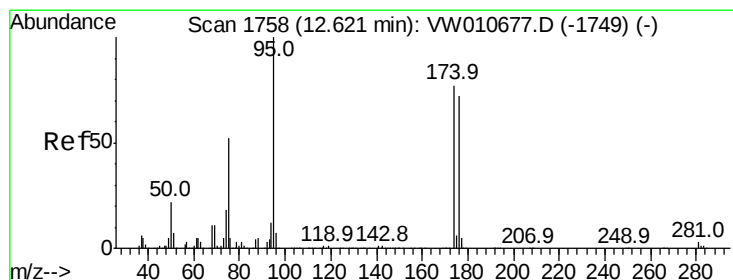
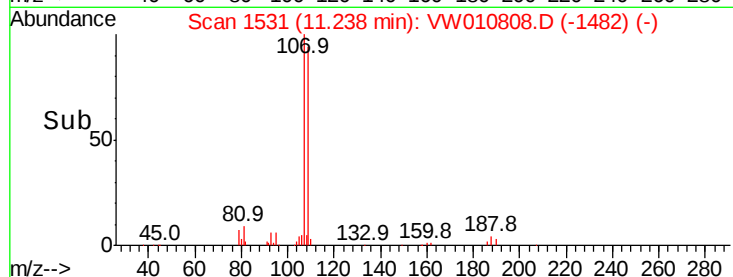
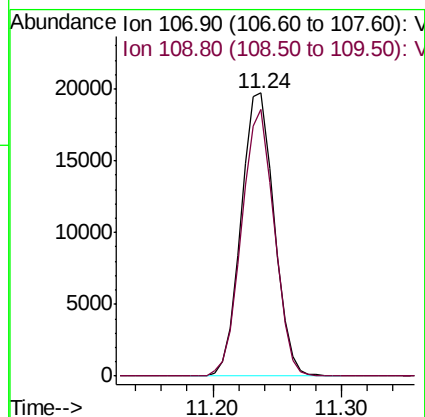
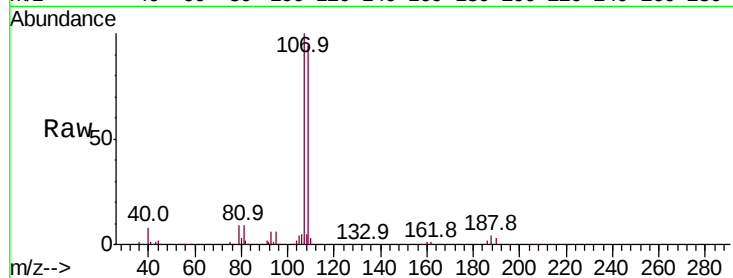
Ion Ratio Lower Upper

107 100

109 92.9 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 52.568 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

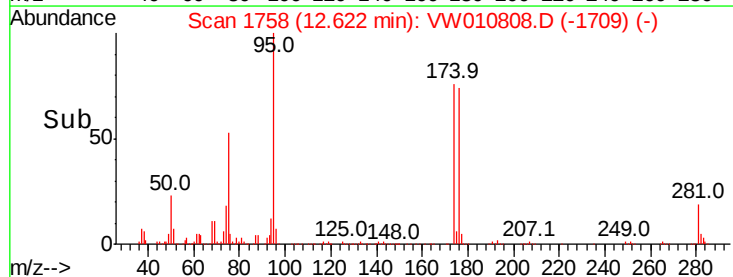
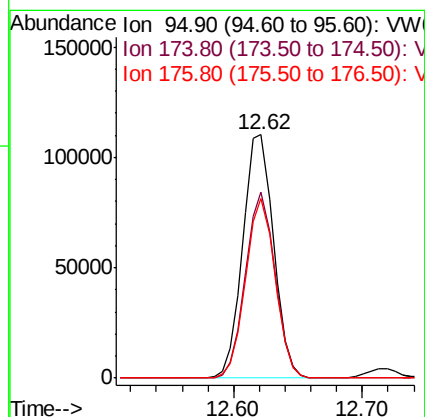
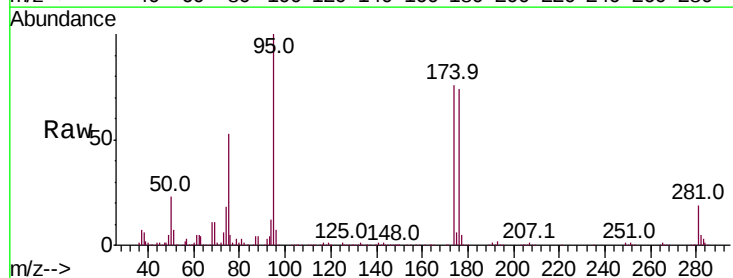
Tgt Ion: 95 Resp: 181718

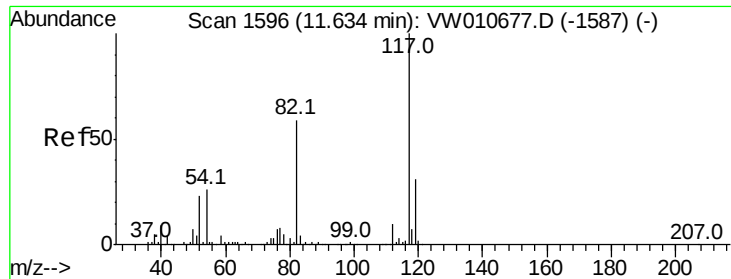
Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.4

176 70.7 0.0 144.8





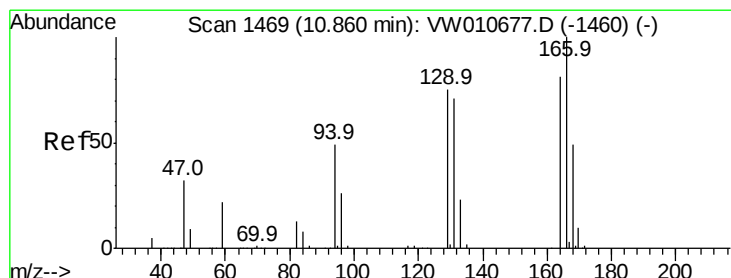
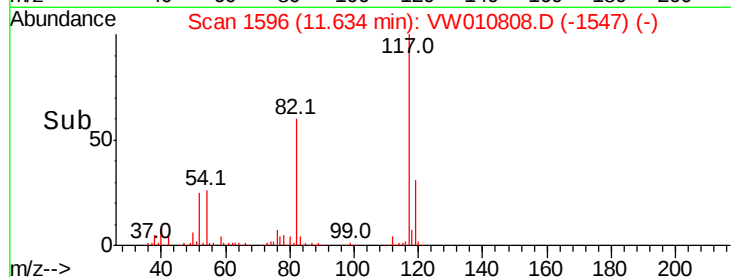
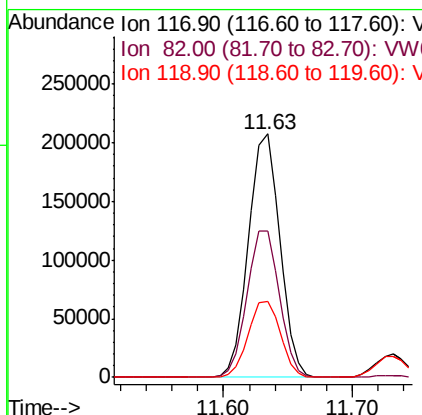
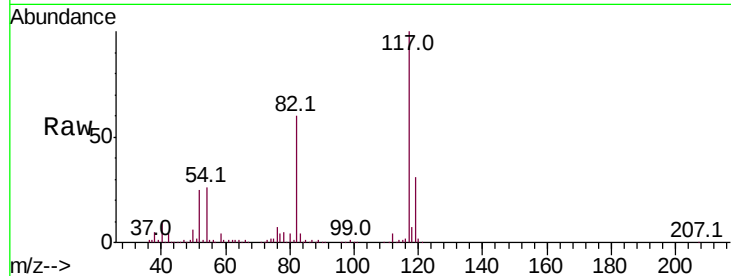
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.0	70.4
119	31.2	25.1	37.7

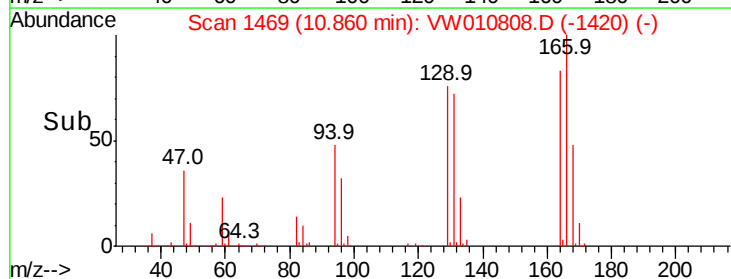
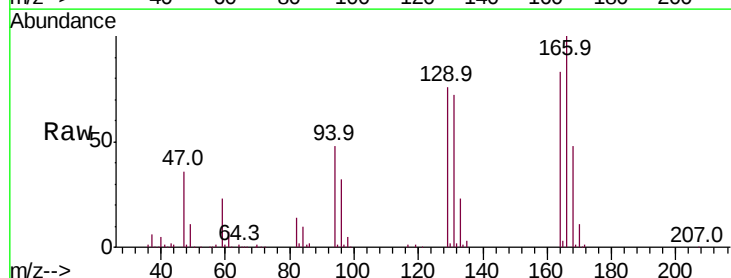
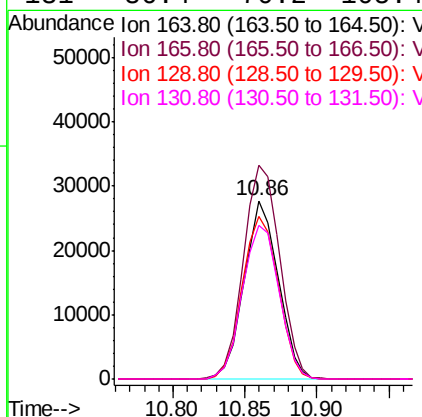
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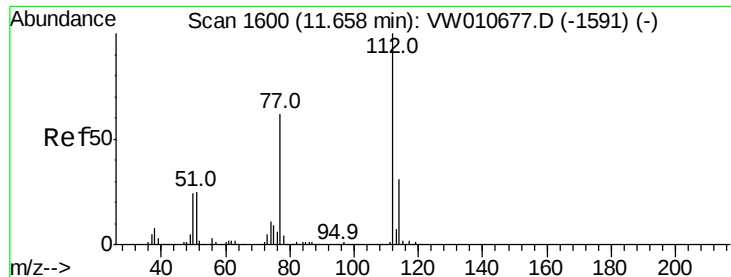
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#64
Tetrachloroethene
Concen: 19.523 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.9	99.2	148.8
129	91.5	74.6	112.0
131	86.4	70.2	105.4





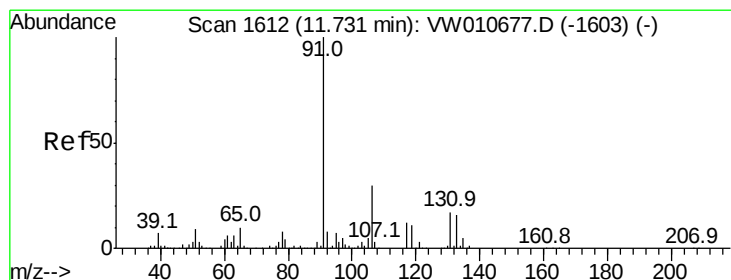
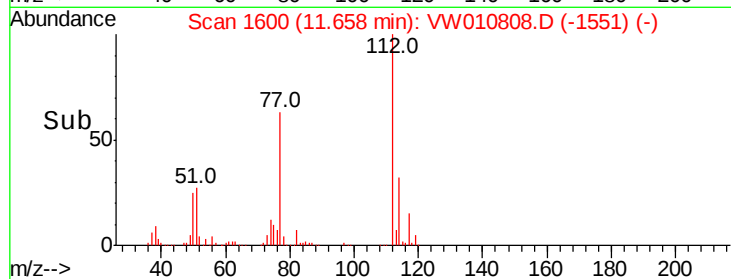
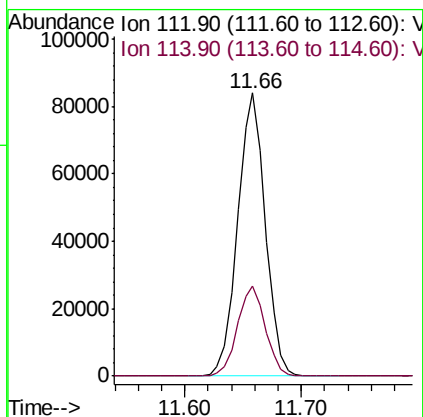
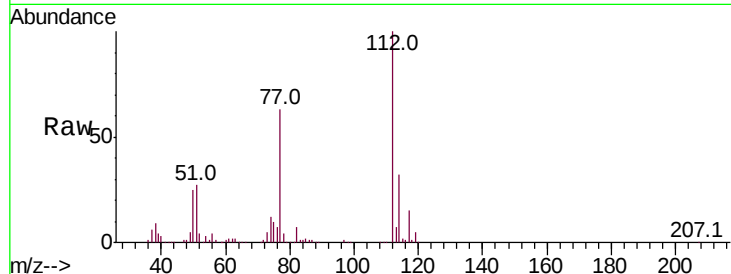
#65
Chlorobenzene
Concen: 20.166 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion:112 Resp: 138893
Ion Ratio Lower Upper
112 100
114 32.0 24.8 37.2

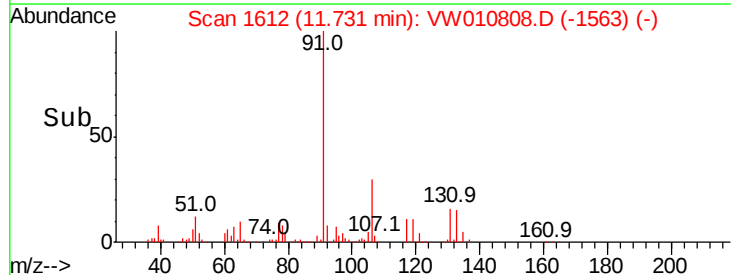
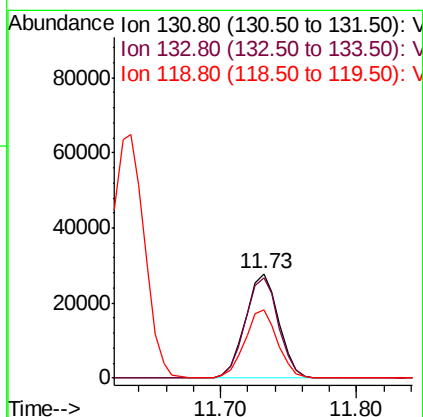
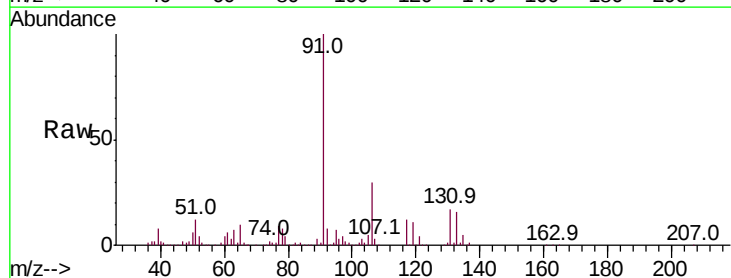
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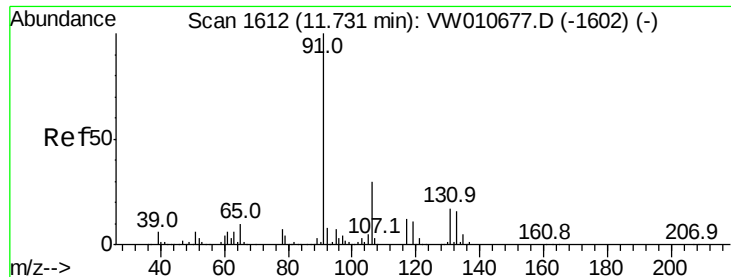
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.994 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion:131 Resp: 47671
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 64.5 32.4 97.0





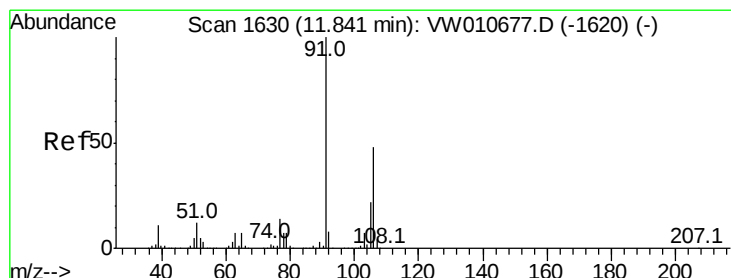
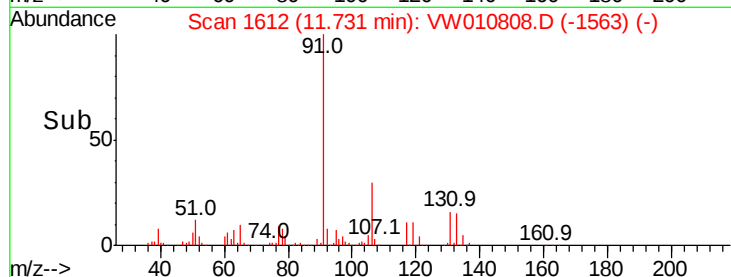
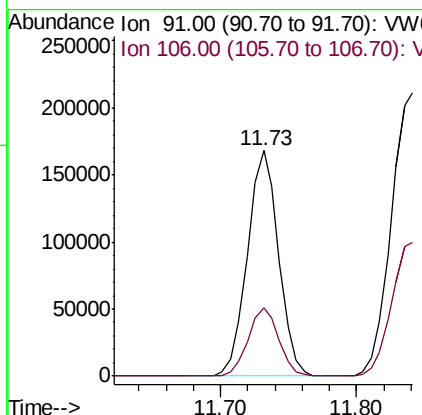
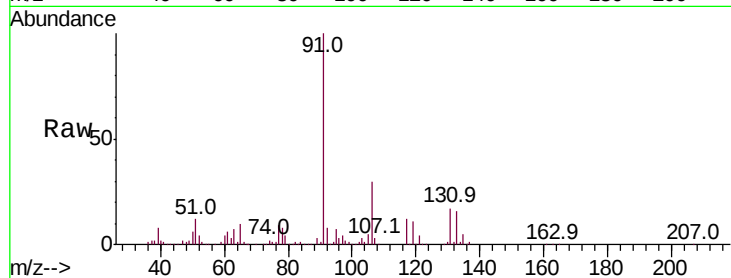
#67
Ethyl Benzene
Concen: 20.366 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion: 91 Resp: 269580
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4

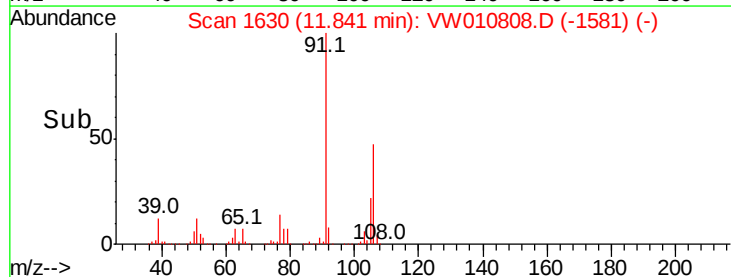
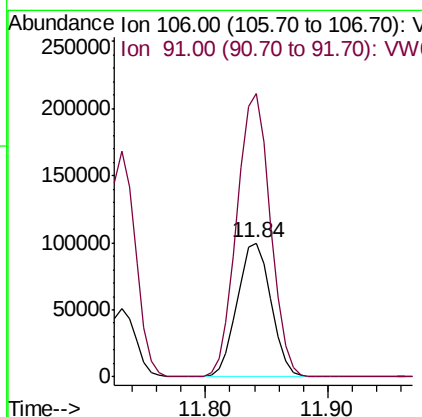
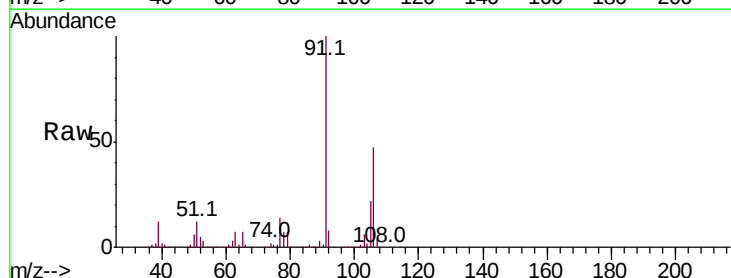
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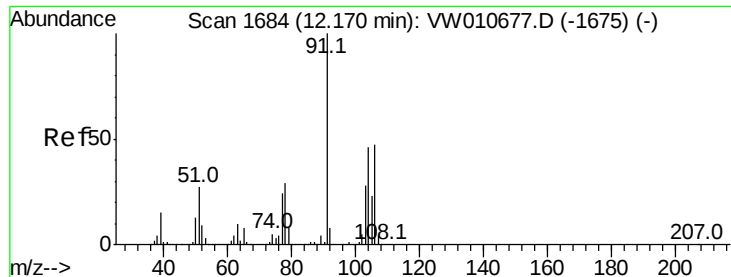
MMDadoda
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#68
m/p-Xylenes
Concen: 40.407 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion: 106 Resp: 191465
Ion Ratio Lower Upper
106 100
91 209.3 166.5 249.7





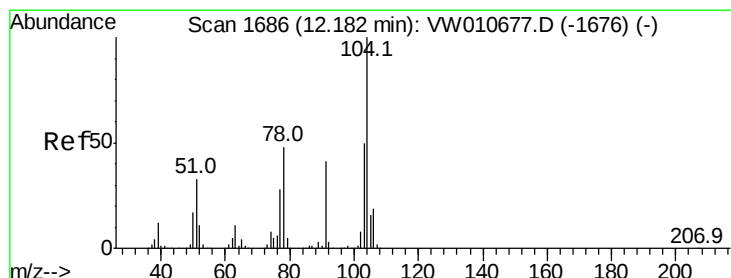
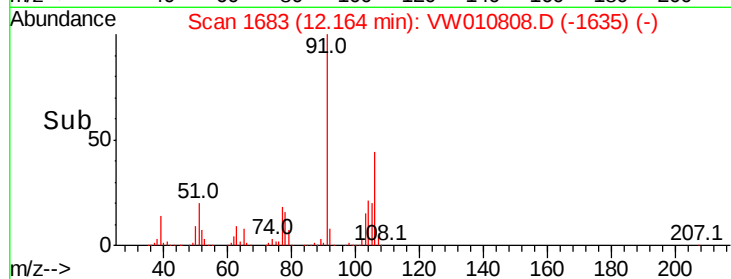
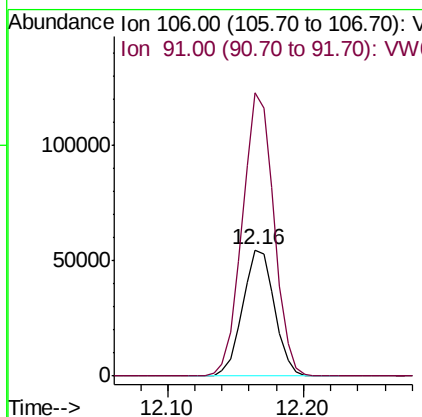
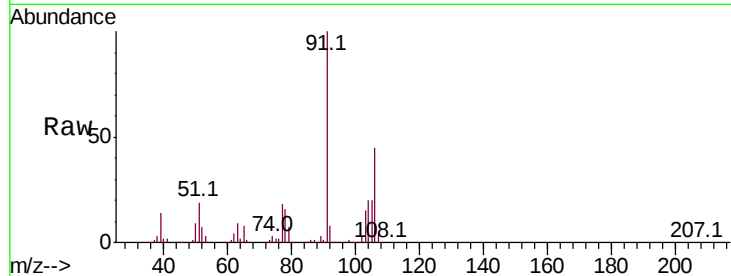
#69
o-Xylene
Concen: 19.918 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion:106 Resp: 89514
Ion Ratio Lower Upper
106 100
91 222.7 108.9 326.6

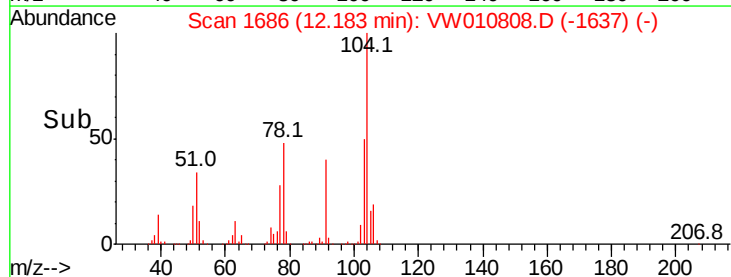
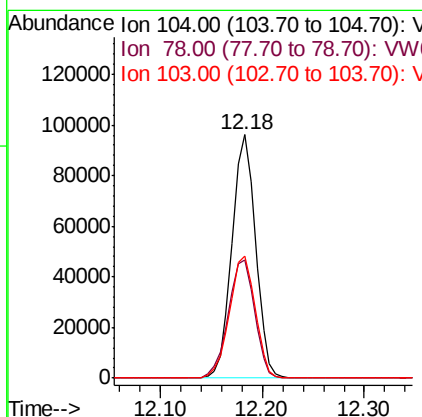
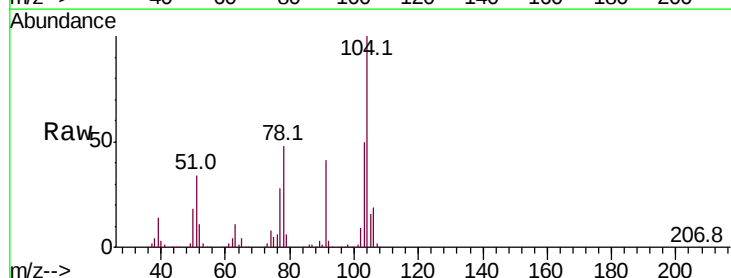
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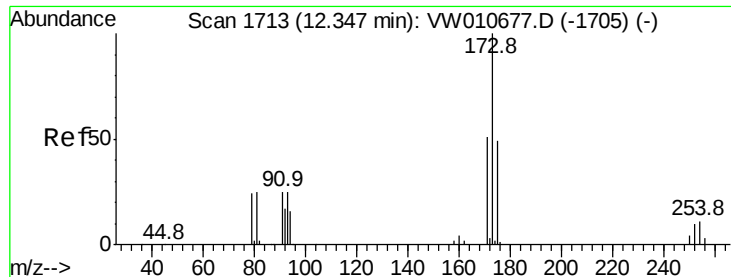
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#70
Styrene
Concen: 19.683 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion:104 Resp: 153660
Ion Ratio Lower Upper
104 100
78 54.4 42.7 64.1
103 54.9 43.6 65.4





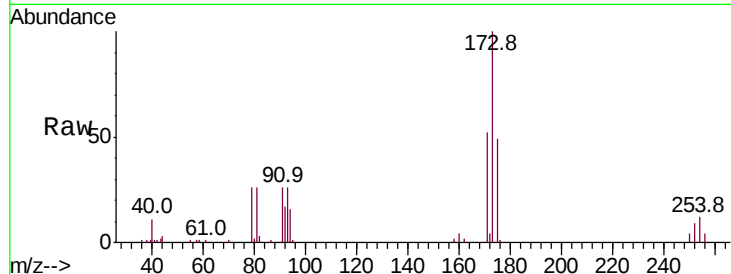
#71
Bromoform
Concen: 18.076 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

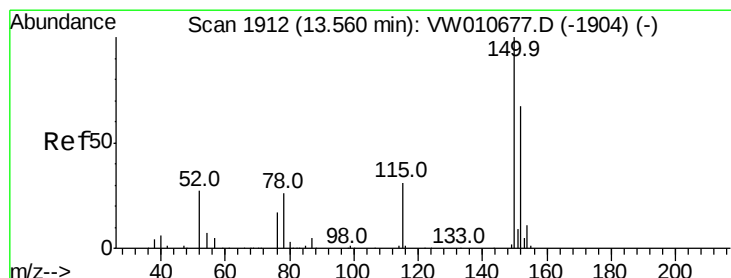
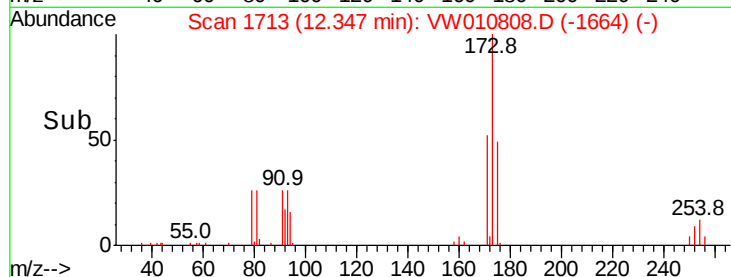
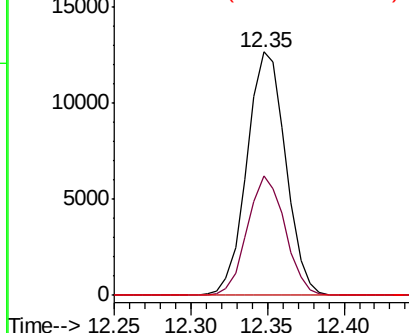
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.1	0.1#

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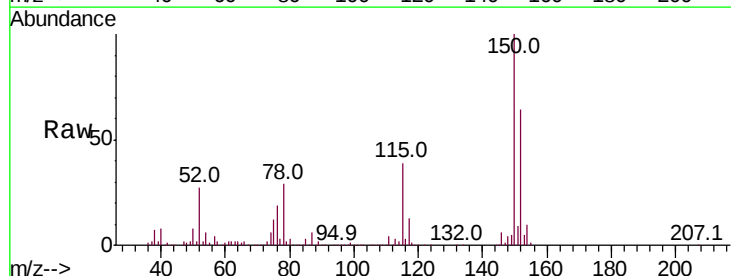


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

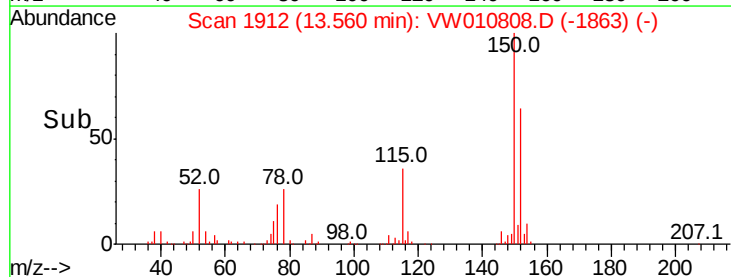
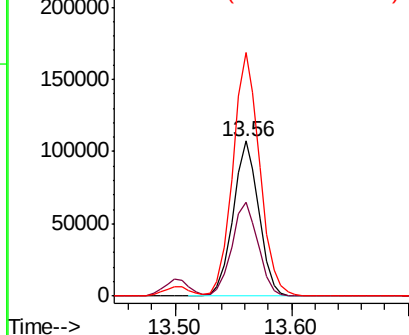


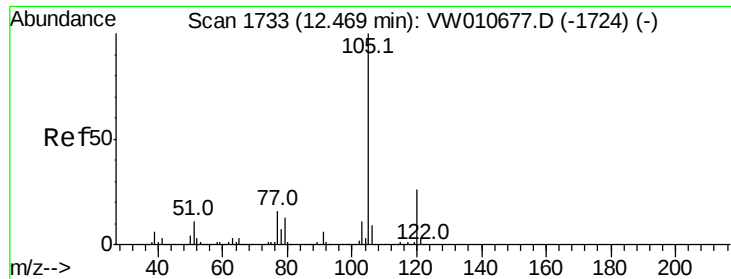
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.8	89.3
150	163.8	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.639 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion:105 Resp: 255080

Ion Ratio Lower Upper

105 100

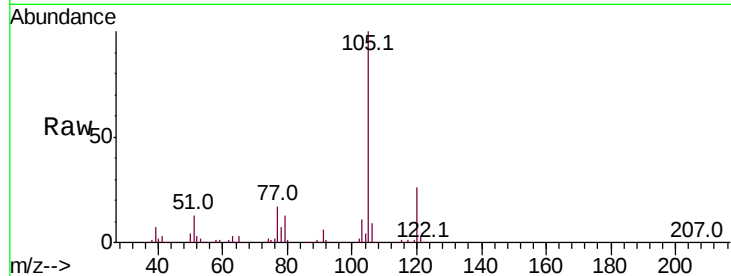
120 26.1 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

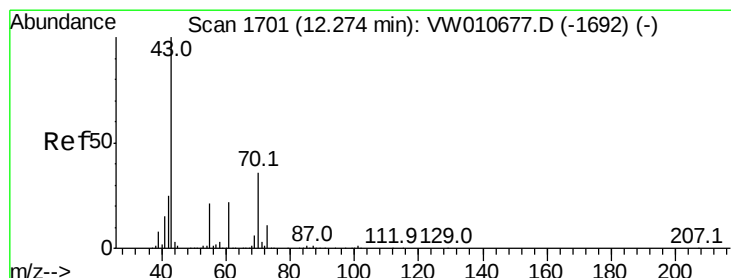
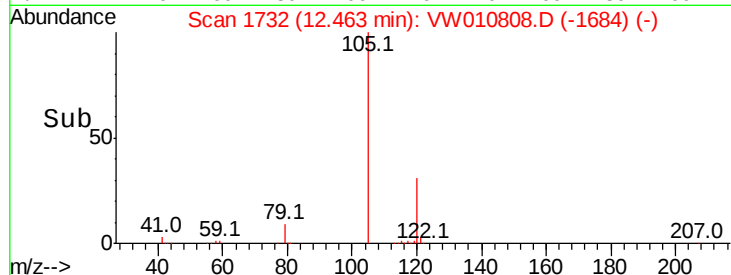
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.424 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion: 43 Resp: 73589

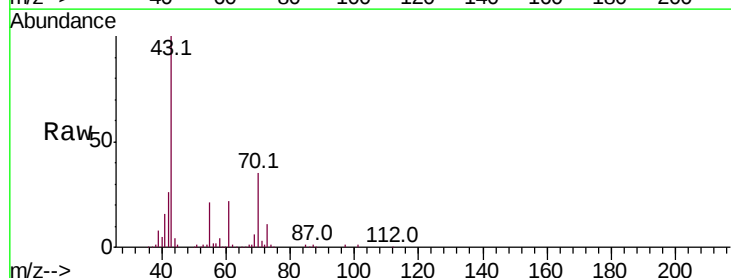
Ion Ratio Lower Upper

43 100

70 35.2 29.2 43.8

55 21.8 17.5 26.3

61 21.3 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

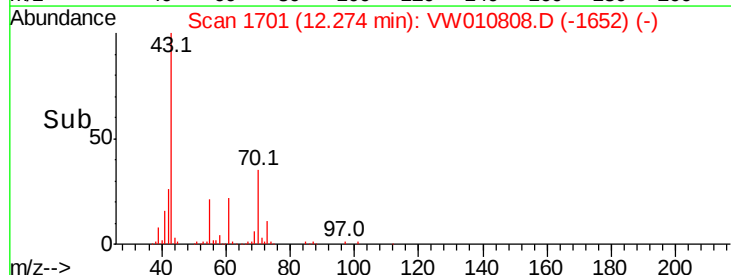
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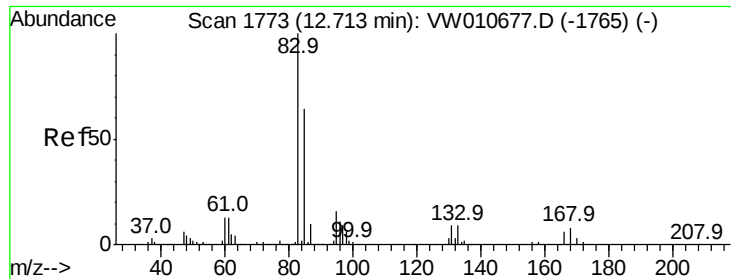
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.892 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

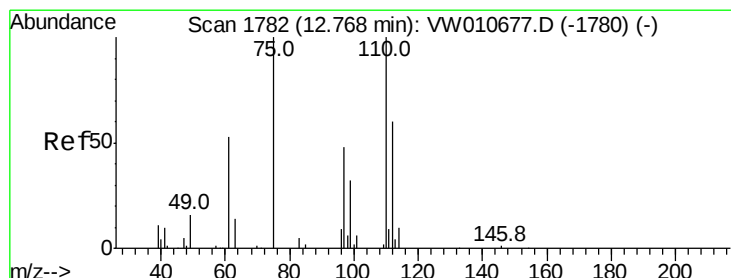
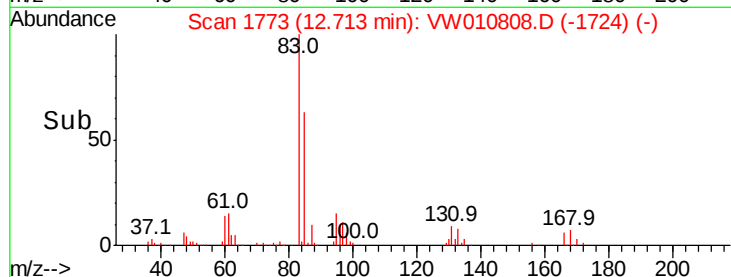
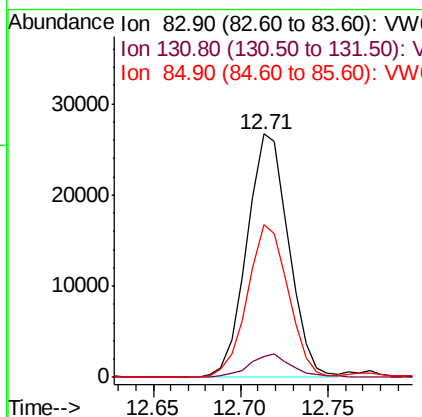
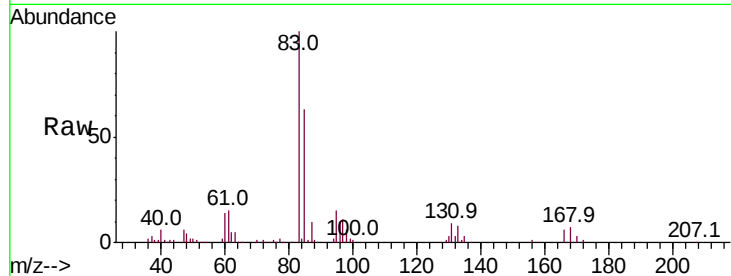
ClientSampleId :

VW0614SBS01

Tot Ion:	83	Resp:	44450
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	61.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.121 ug/l m

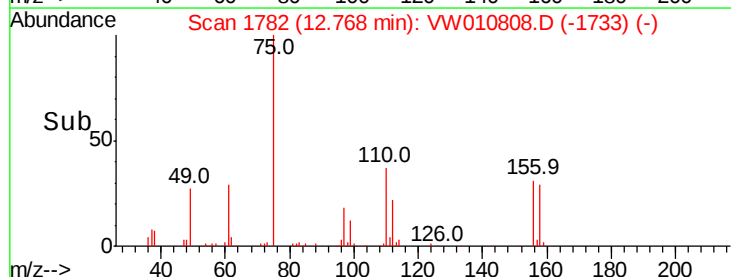
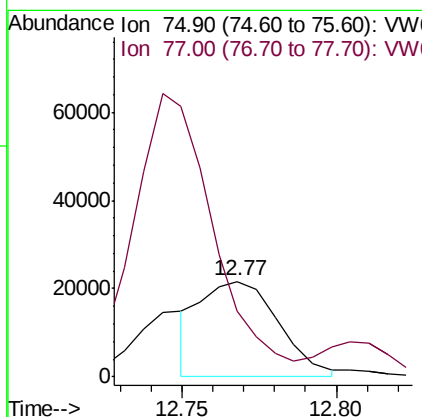
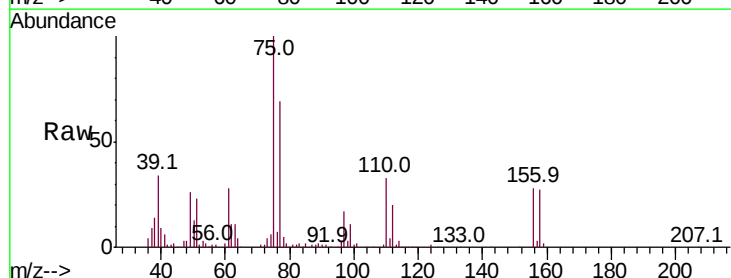
RT: 12.77 min Scan# 1782

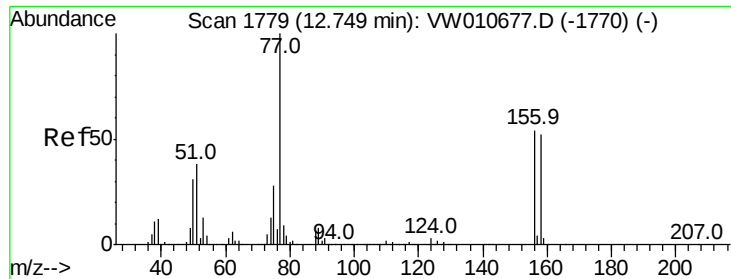
Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	75	Resp:	38206
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





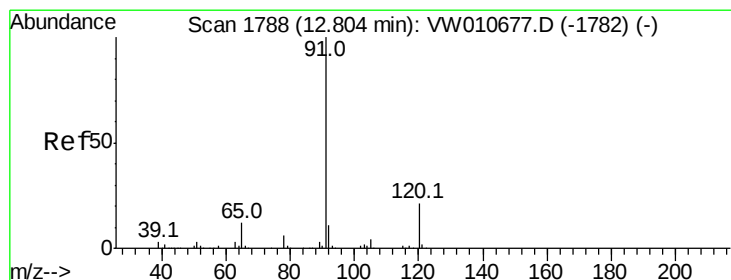
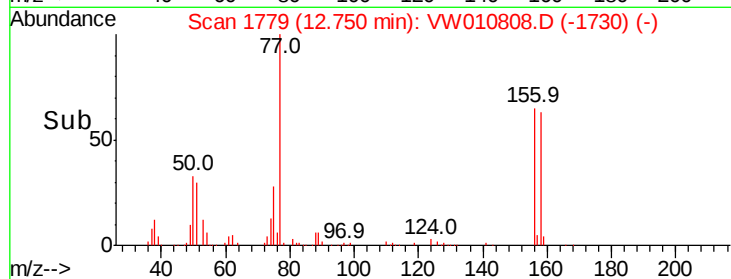
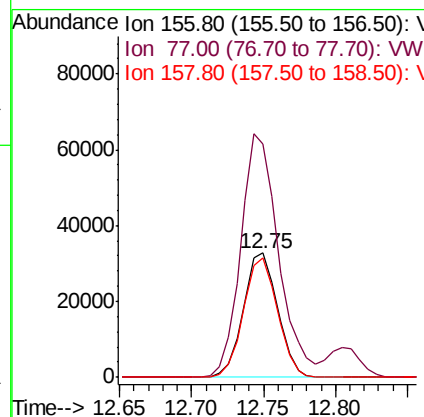
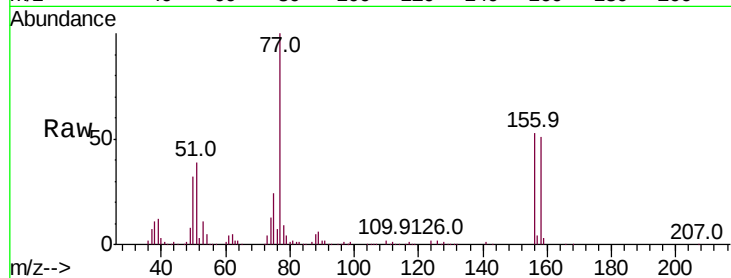
#77
Bromobenzene
Concen: 20.051 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.5	106.5	319.4
158	95.3	48.3	144.9

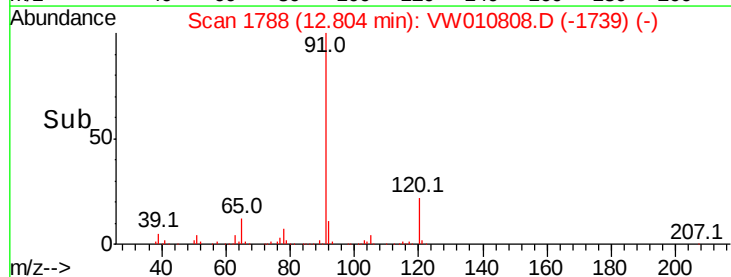
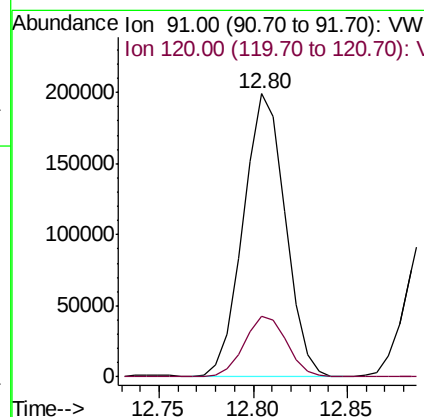
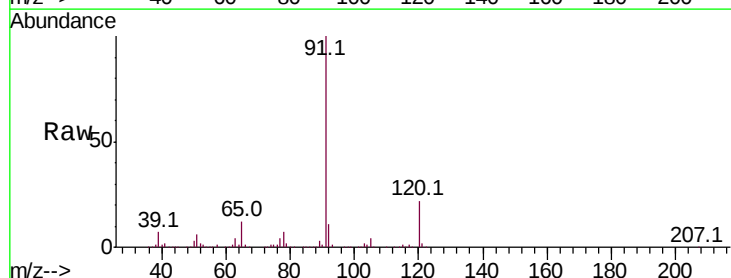
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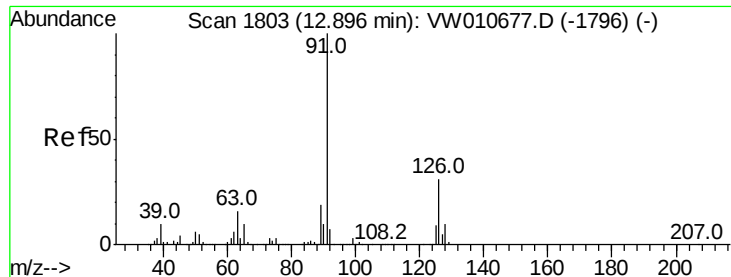
MMDadoda
6/17/2019 1:23:16 PM



#78
n-propylbenzene
Concen: 20.622 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79

2-Chlorotoluene

Concen: 20.653 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion: 91 Resp: 175842

Ion Ratio Lower Upper

91 100

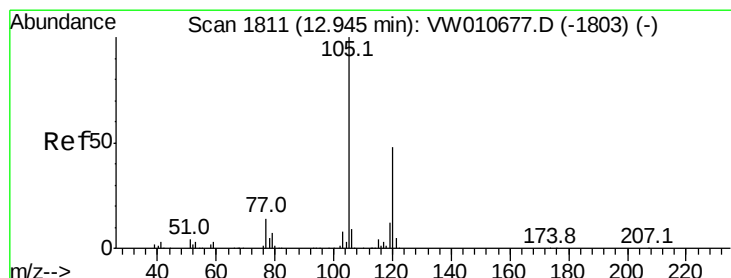
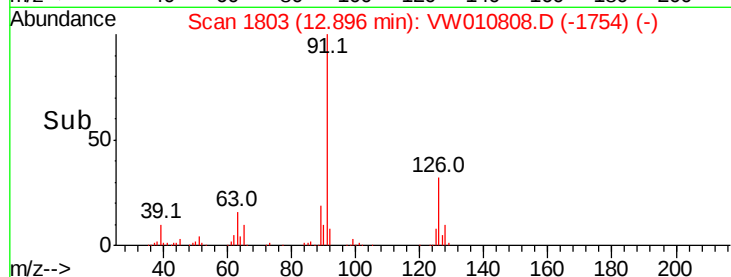
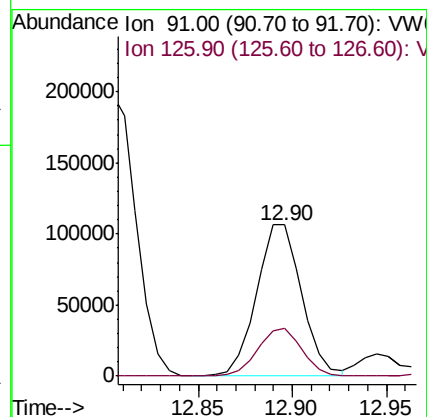
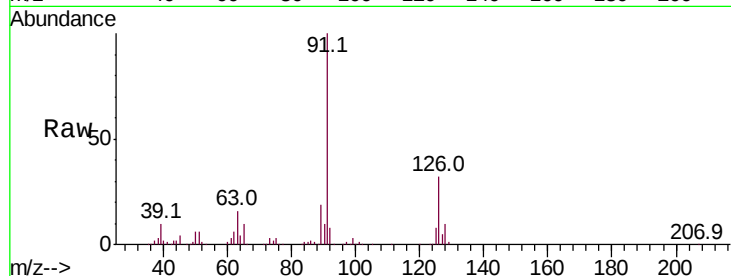
126 31.3 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.540 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010808.D

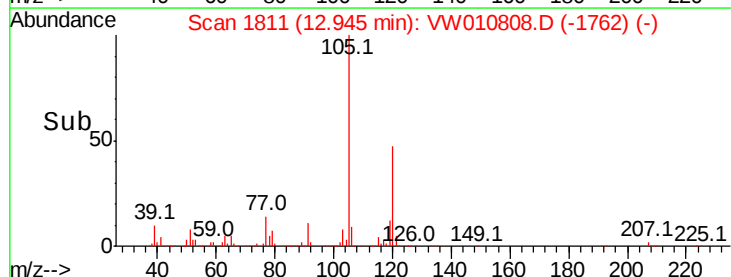
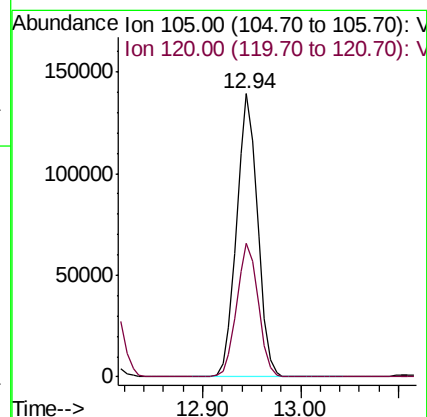
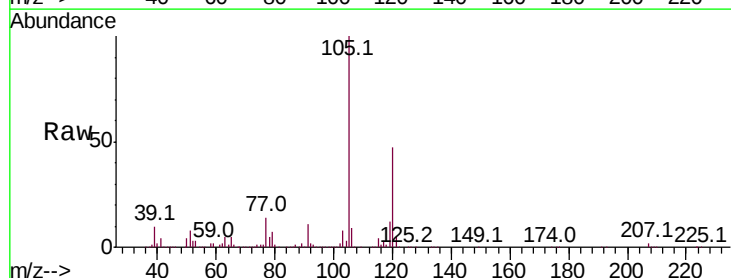
Acq: 14 Jun 2019 12:28

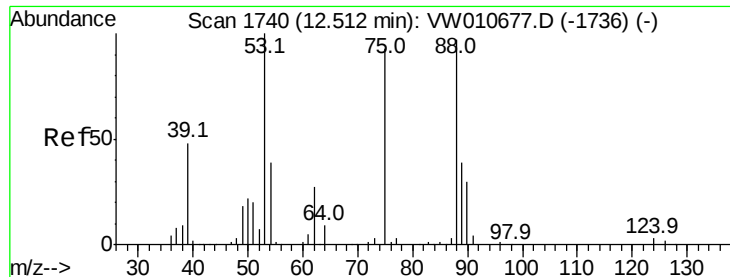
Tgt Ion:105 Resp: 207785

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





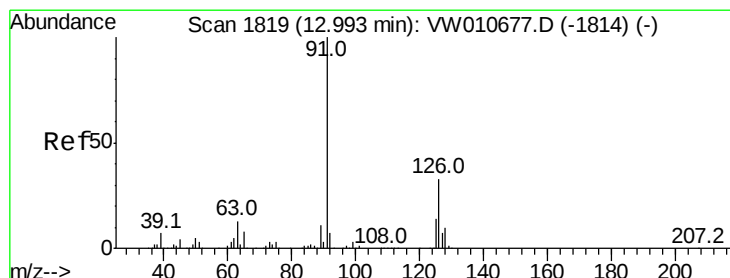
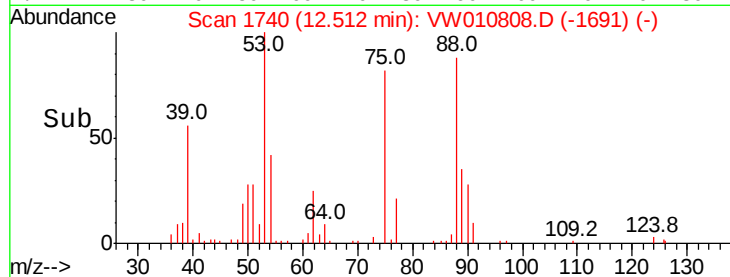
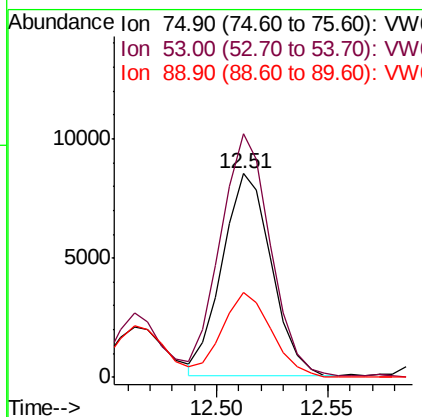
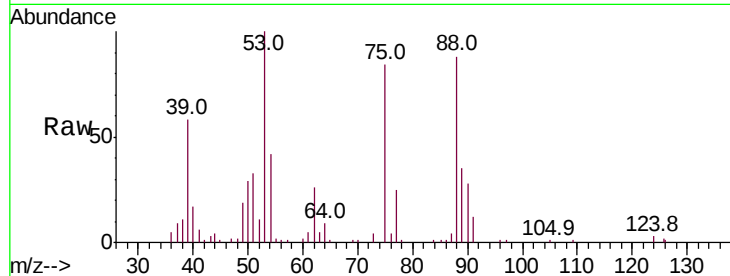
#81
trans-1,4-Dichloro-2-butene
Concen: 17.248 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.9	90.1	135.1
89	42.9	34.6	52.0

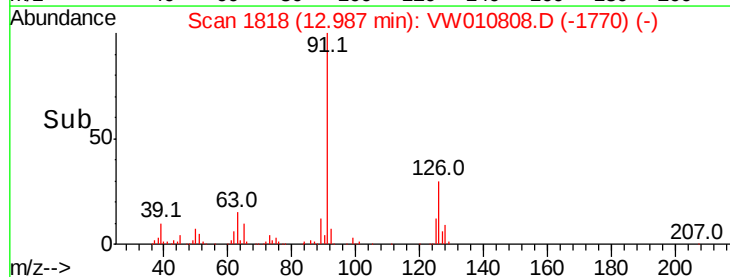
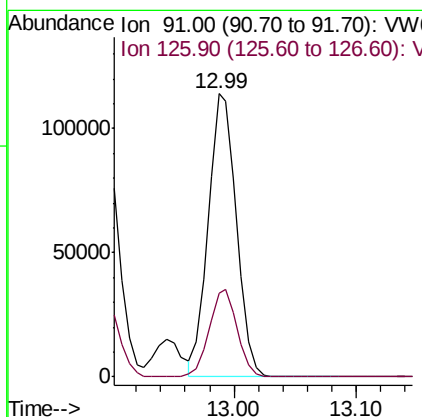
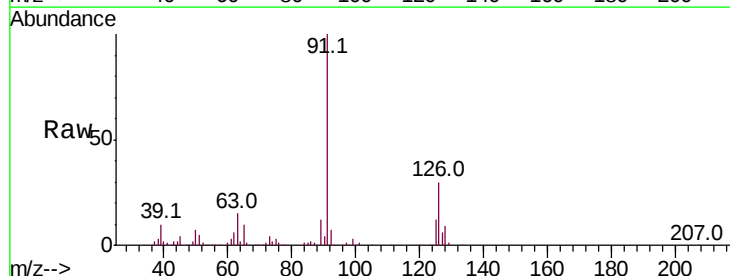
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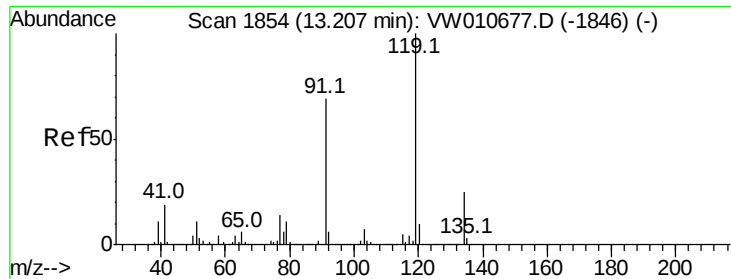
MMDadoda
6/17/2019 1:23:16 PM



#82
4-Chlorotoluene
Concen: 20.742 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.9	47.7





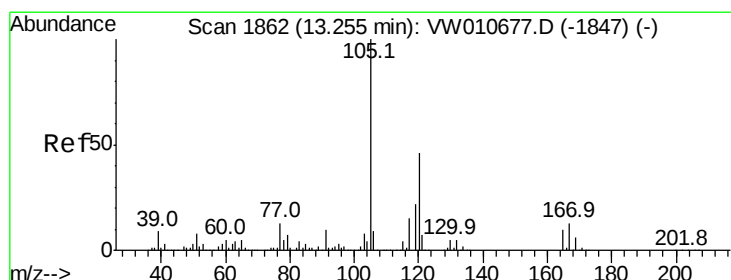
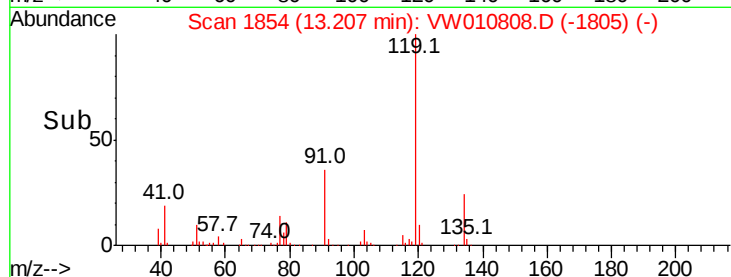
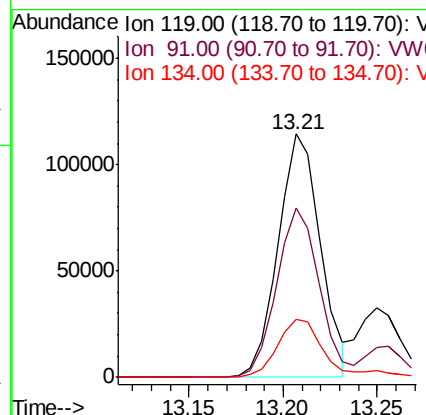
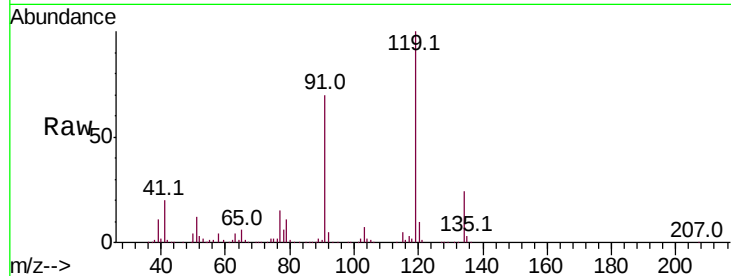
#83
tert-Butylbenzene
Concen: 20.730 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	177972		
91	70.5	35.1	105.3	
134	26.5	13.6	40.7	

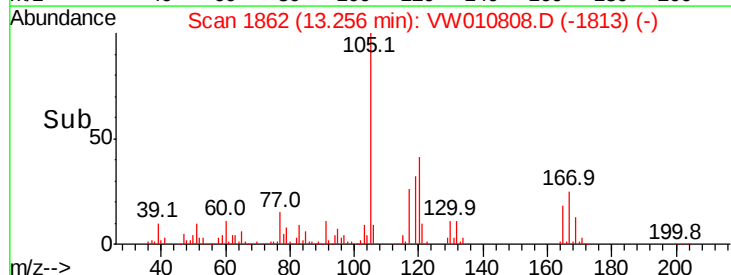
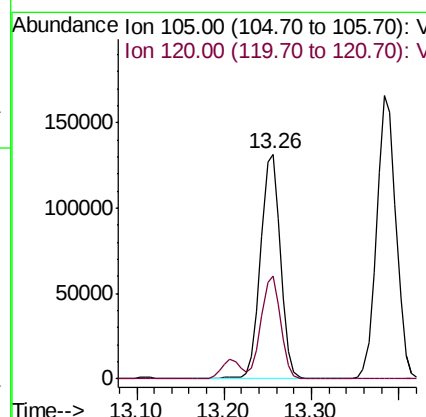
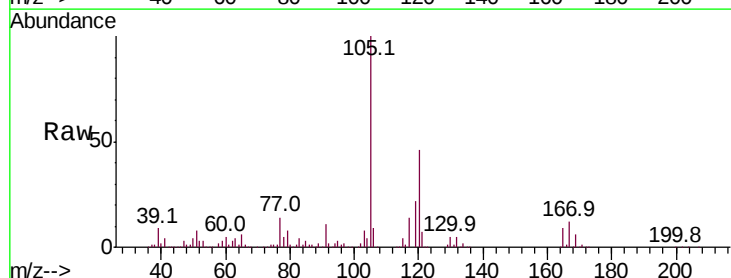
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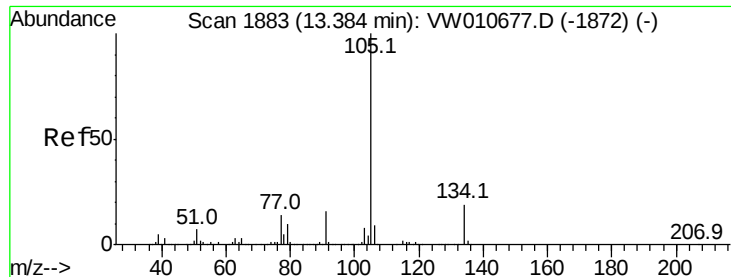
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#84
1,2,4-Trimethylbenzene
Concen: 20.357 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207232		
120	44.7	22.5	67.5	





#85

sec-Butylbenzene

Concen: 20.492 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0614SBS01

Tot Ion:105 Resp: 256148

Ion Ratio Lower Upper

105 100

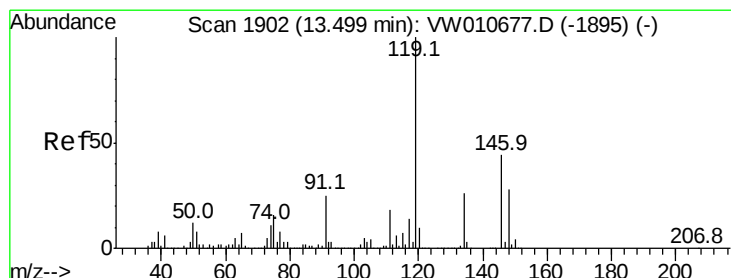
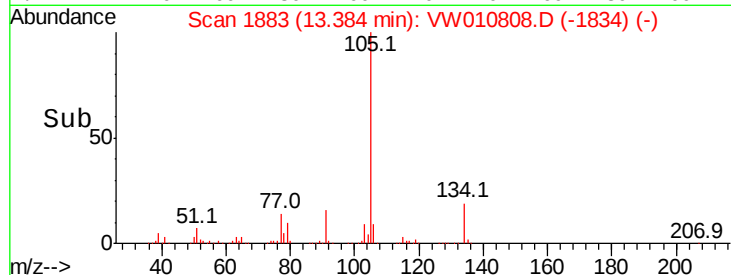
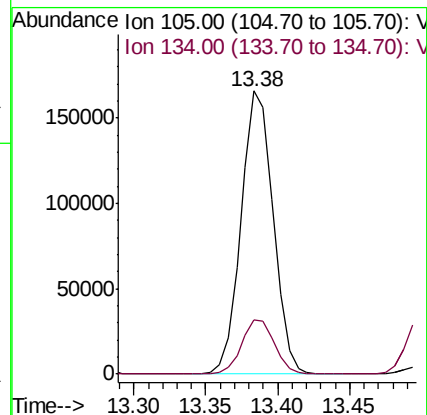
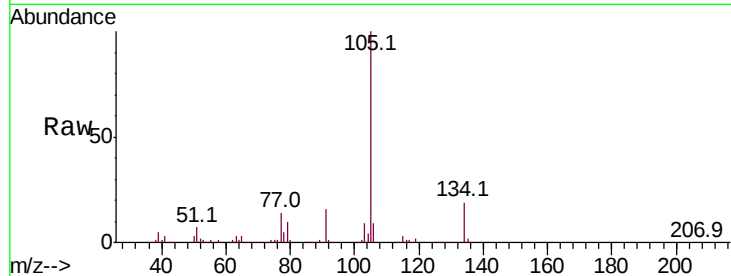
134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 20.317 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

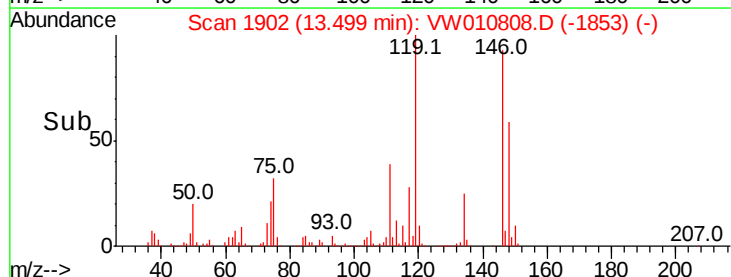
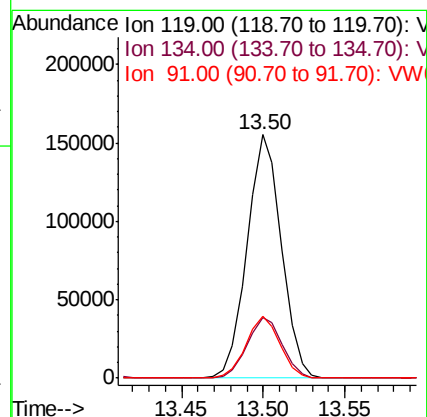
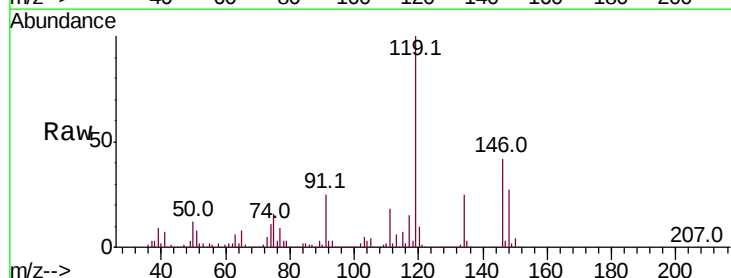
Tgt Ion:119 Resp: 227100

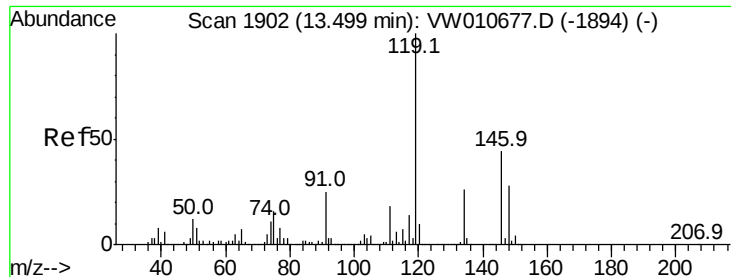
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 25.0 12.2 36.4





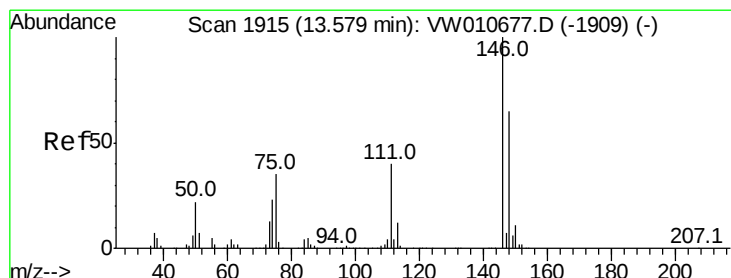
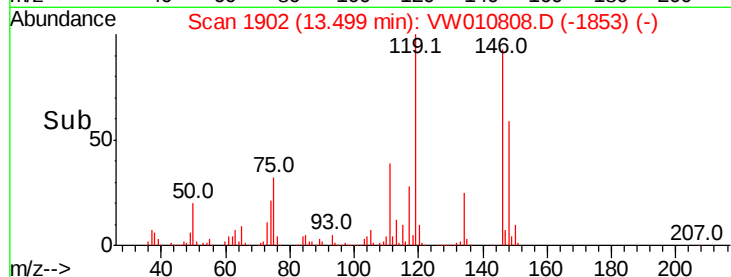
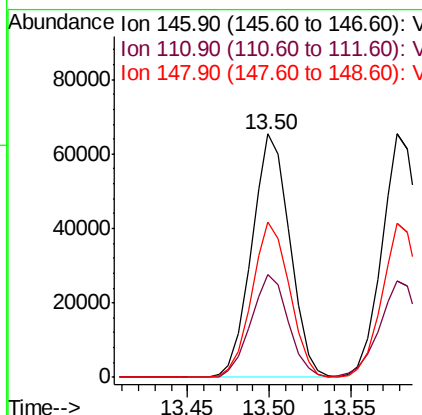
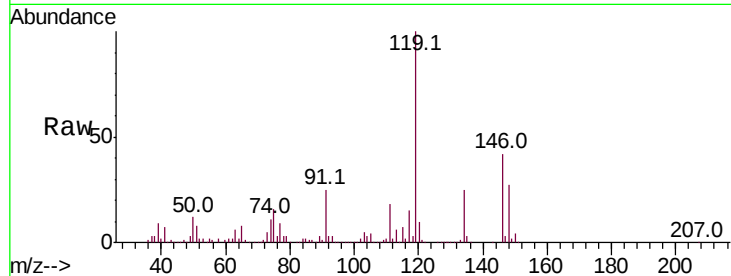
#87
 1,3-Dichlorobenzene
 Concen: 20.307 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105650		
111	41.5	20.4	61.3	
148	63.1	31.5	94.5	

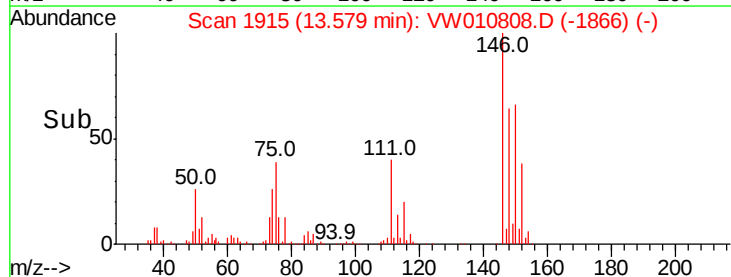
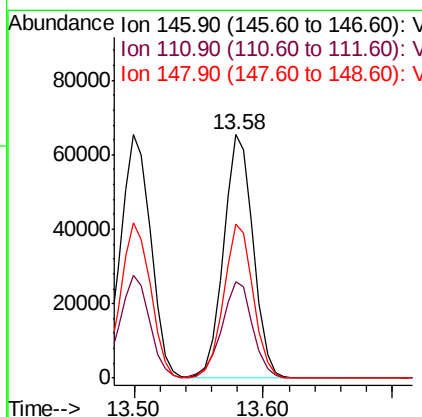
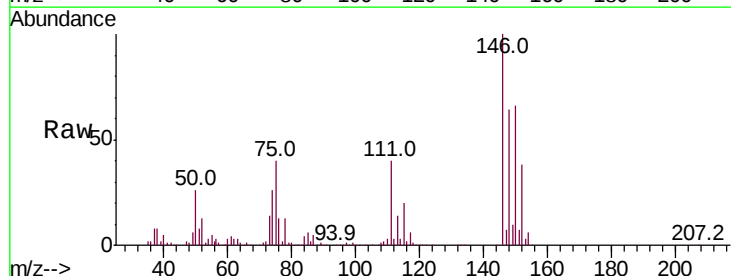
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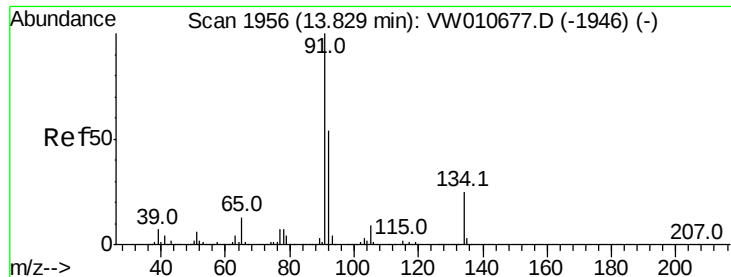
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.352 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	104968		
111	41.6	20.3	60.9	
148	63.2	32.4	97.2	





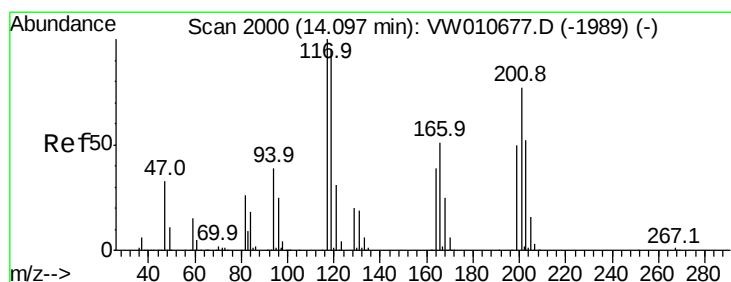
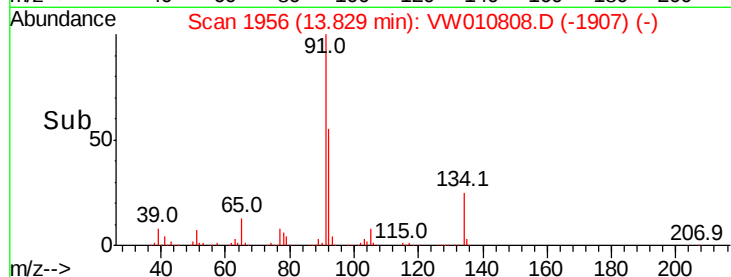
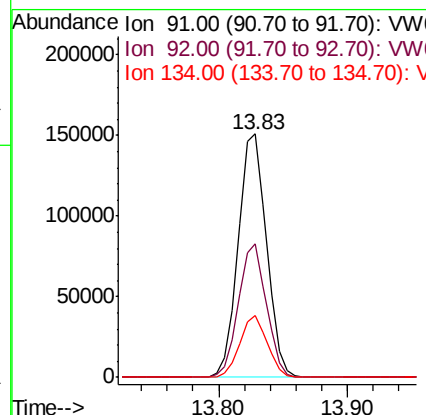
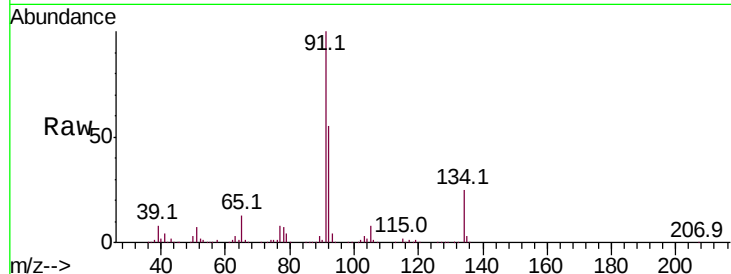
#89
n-Butylbenzene
Concen: 20.688 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0614SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	24.6	12.3	36.9

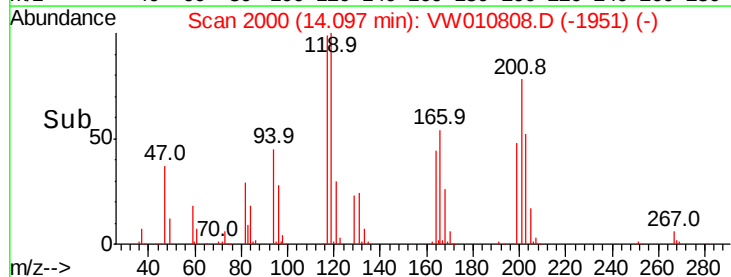
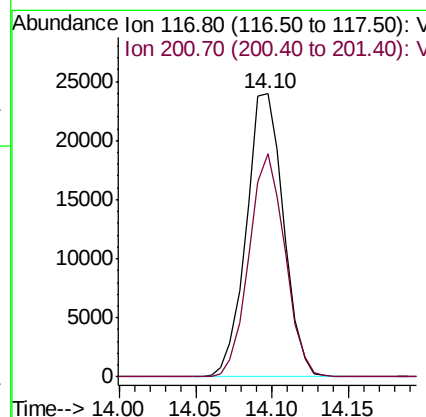
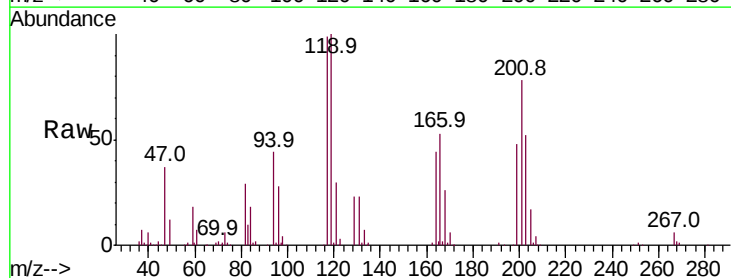
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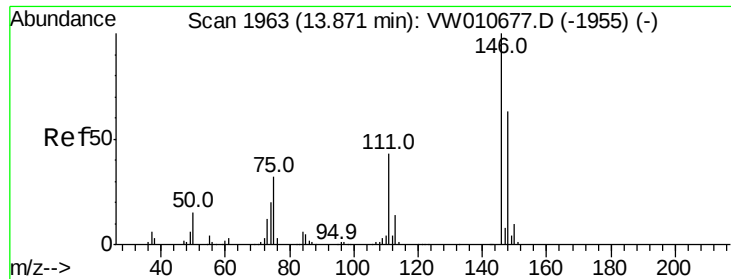
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#90
Hexachloroethane
Concen: 20.214 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010808.D
Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.8	116.4





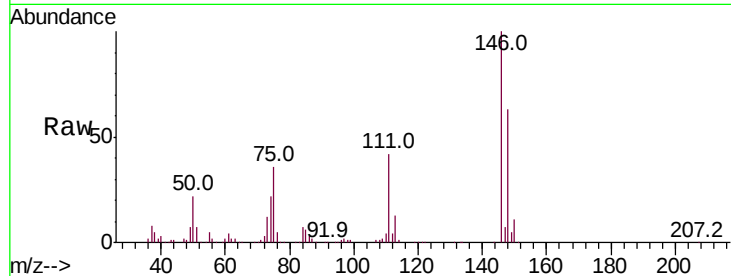
#91
 1,2-Dichlorobenzene
 Concen: 19.659 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.5	64.5
148	64.0	31.9	95.5

Manual Integrations
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MMDadoda
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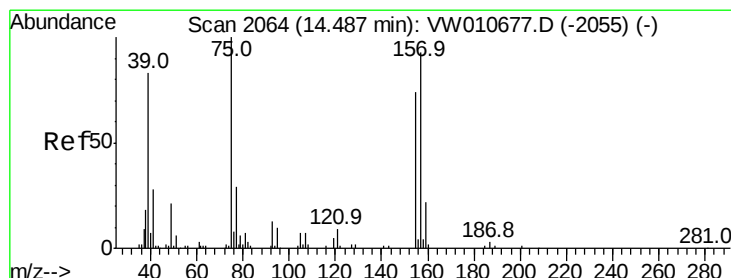
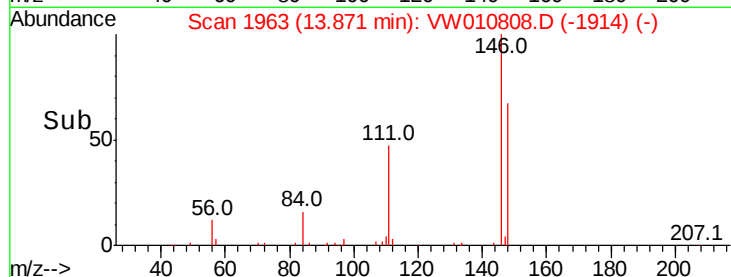
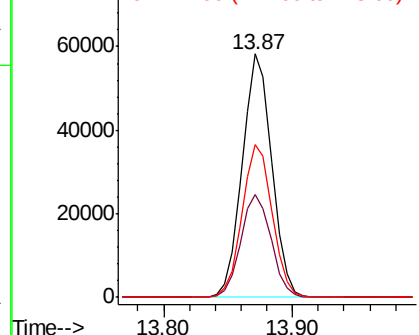


Abundance

Ion 145.90 (145.60 to 146.60): V

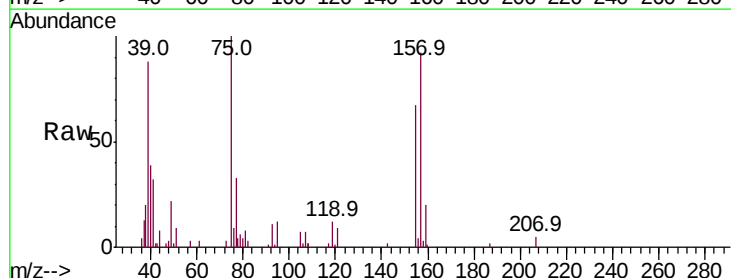
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.907 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	38.8	116.4
157	91.5	48.4	145.0

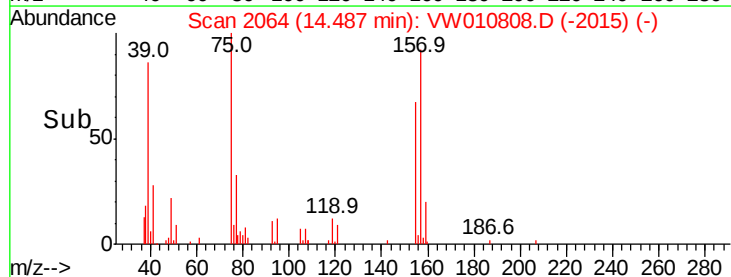
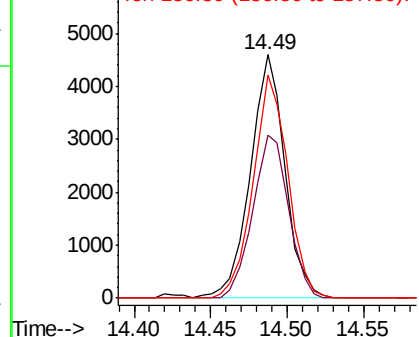


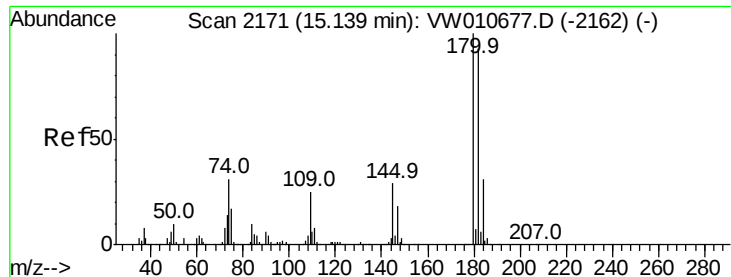
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





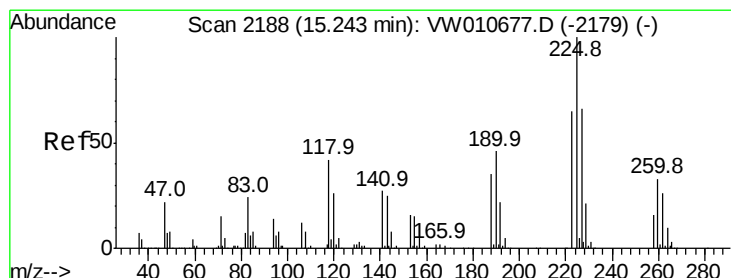
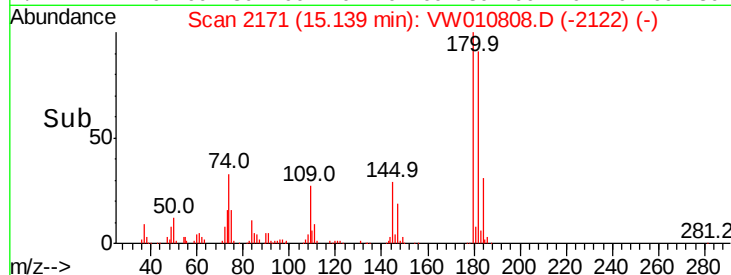
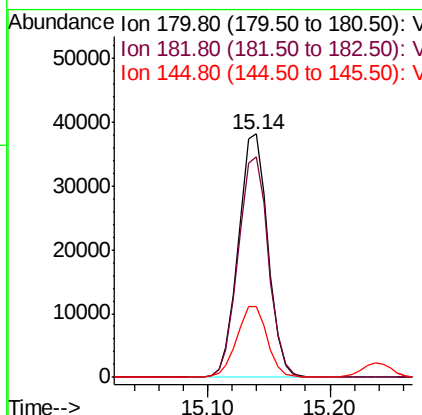
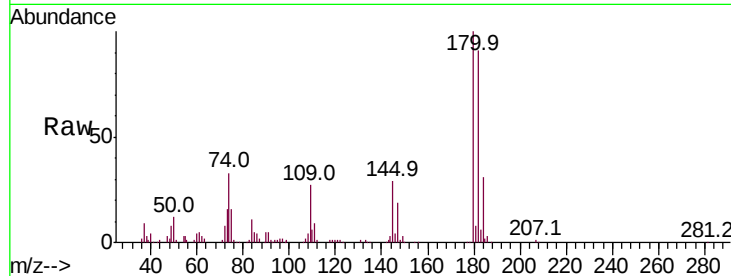
#93
 1,2,4-Trichlorobenzene
 Concen: 19.403 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0614SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.1	47.1	141.4	
145	30.0	15.2	45.5	

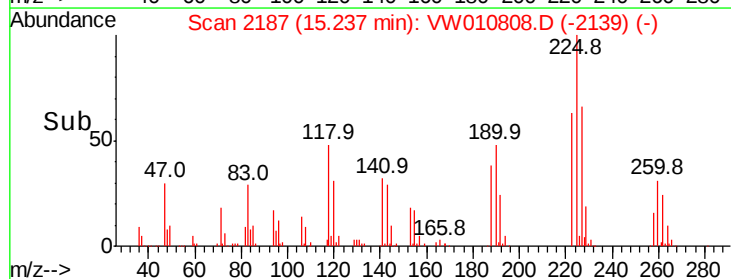
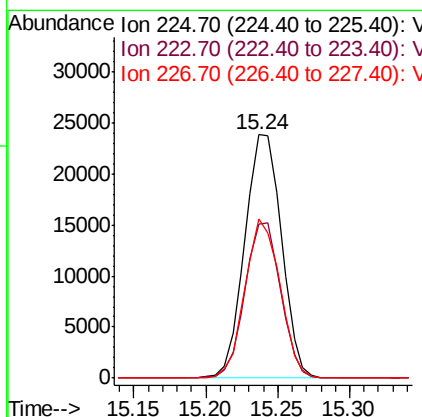
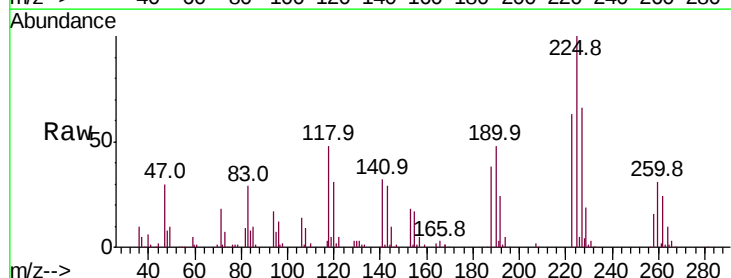
Manual Integrations
 APPROVED

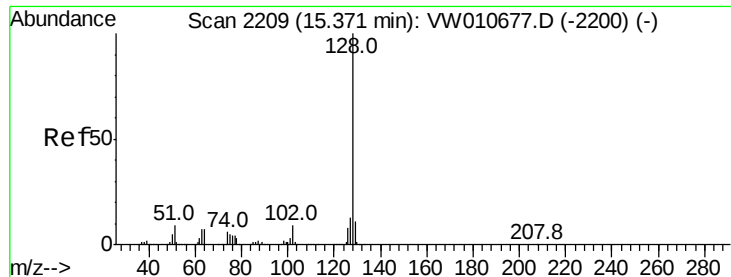
MMDadoda
 6/17/2019 1:23:16 PM



#94
 Hexachlorobutadiene
 Concen: 20.467 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010808.D
 Acq: 14 Jun 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	32.2	96.6	
227	62.4	32.0	96.0	





#95

Naphthalene

Concen: 17.376 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Instrument :

MSVOA_W

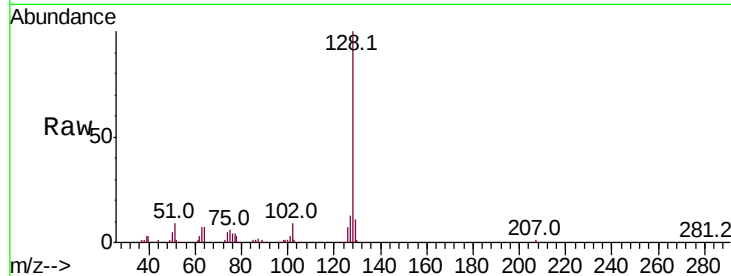
ClientSampleId :

VW0614SBS01

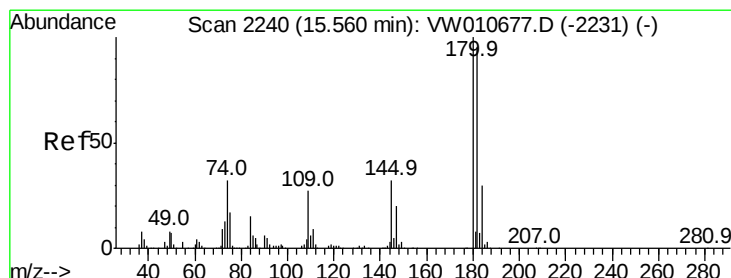
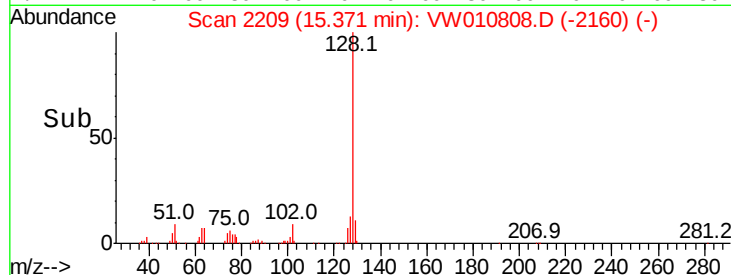
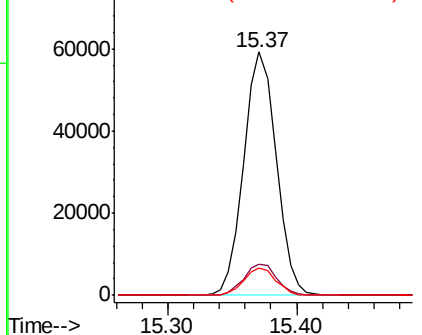
Tot Ion:	128	Resp:	103654
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/17/2019 1:23:16 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: 19.104 ug/l

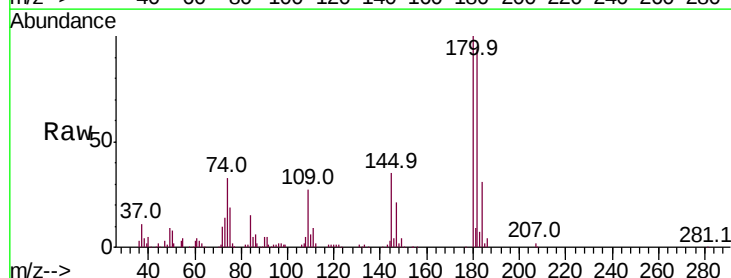
RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010808.D

Acq: 14 Jun 2019 12:28

Tgt Ion:	180	Resp:	53342
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.0	141.0
145	34.1	16.1	48.3



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

