

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052119\
 Data File : VW010480.D
 Acq On : 21 May 2019 11:59
 Operator : SY/VA
 Sample : VW0521SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:55:04 AM

Quant Time: May 22 06:56:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	139751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	221826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	80066	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
35) Dibromofluoromethane	7.88	113	80555	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	10.32	98	310138	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.62	95	119901	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23573	18.759	ug/l	99
3) Chloromethane	2.21	50	26289	17.904	ug/l	99
4) Vinyl Chloride	2.36	62	31051	18.257	ug/l	98
5) Bromomethane	2.74	94	23982	20.496	ug/l	100
6) Chloroethane	2.90	64	21189	19.407	ug/l	98
7) Trichlorofluoromethane	3.25	101	52548	20.927	ug/l	99
8) Diethyl Ether	3.68	74	16582	20.832	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32919	21.288	ug/l	100
10) Methyl Iodide	4.27	142	30582	17.302	ug/l	99
11) Tert butyl alcohol	5.16	59	12718	98.020	ug/l	96
12) 1,1-Dichloroethene	4.03	96	30786	20.856	ug/l	97
13) Acrolein	3.89	56	9885	119.062	ug/l	99
14) Allyl chloride	4.67	41	45003	21.062	ug/l	98
15) Acrylonitrile	5.37	53	33752	101.251	ug/l	99
16) Acetone	4.12	43	29787	101.165	ug/l	97
17) Carbon Disulfide	4.38	76	87466	19.865	ug/l	100
18) Methyl Acetate	4.68	43	14760	20.497	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	80374	21.358	ug/l	97
20) Methylene Chloride	4.92	84	33200	15.742	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	35505	20.970	ug/l	97
22) Diisopropyl ether	6.31	45	91555	20.897	ug/l	98
23) Vinyl Acetate	6.26	43	264850	101.200	ug/l	100
24) 1,1-Dichloroethane	6.21	63	55435	21.203	ug/l	98
25) 2-Butanone	7.17	43	42556	100.994	ug/l	98
26) 2,2-Dichloropropane	7.17	77	53321	21.410	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	38901	21.133	ug/l	99
28) Bromochloromethane	7.51	49	19873	21.230	ug/l	96
29) Tetrahydrofuran	7.53	42	28261	99.116	ug/l	99
30) Chloroform	7.68	83	60049	21.293	ug/l	100
31) Cyclohexane	7.95	56	55691	20.335	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	56707	21.038	ug/l	98
36) 1,1-Dichloropropene	8.08	75	48658	21.243	ug/l	99
37) Ethyl Acetate	7.26	43	19767	20.294	ug/l	99
38) Carbon Tetrachloride	8.07	117	51115	20.687	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63392	20.657	ug/l	99
40) Benzene	8.32	78	133626	20.989	ug/l	99
41) Methacrylonitrile	7.49	41	10917	18.863	ug/l	95
42) 1,2-Dichloroethane	8.40	62	38490	21.153	ug/l	99
43) Isopropyl Acetate	8.43	43	38491	19.781	ug/l	99
44) Trichloroethene	9.09	130	39402	20.847	ug/l	98
45) 1,2-Dichloropropane	9.37	63	31531	20.854	ug/l	96
46) Dibromomethane	9.46	93	18610	21.046	ug/l	97
47) Bromodichloromethane	9.65	83	45881	20.648	ug/l	96
48) Methyl methacrylate	9.43	41	17377	19.520	ug/l	97
49) 1,4-Dioxane	9.45	88	5537	383.325	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	98059	99.448	ug/l	98
52) Toluene	10.39	92	91150	21.319	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	46243	20.548	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	54324	21.136	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	26879	21.139	ug/l	94
56) Ethyl methacrylate	10.65	69	34912	19.908	ug/l	99
57) 1,3-Dichloropropane	10.93	76	44736	21.003	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	72028	92.729	ug/l	100
59) 2-Hexanone	10.97	43	69074	98.202	ug/l	99
60) Dibromochloromethane	11.13	129	32979	20.493	ug/l	99
61) 1,2-Dibromoethane	11.24	107	26868	20.859	ug/l	98
64) Tetrachloroethene	10.87	164	31428	20.324	ug/l	94
65) Chlorobenzene	11.66	112	99376	21.020	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	35358	20.878	ug/l	99
67) Ethyl Benzene	11.73	91	174734	20.934	ug/l	98
68) m/p-Xylenes	11.84	106	136714	41.759	ug/l	99
69) o-Xylene	12.16	106	64509	20.797	ug/l	98
70) Styrene	12.18	104	111166	21.122	ug/l	99
71) Bromoform	12.35	173	17259	18.506	ug/l #	99
73) Isopropylbenzene	12.47	105	178184	21.018	ug/l	99
74) N-amyl acetate	12.27	43	37779	19.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	30900	20.039	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	21587m	19.906	ug/l	
77) Bromobenzene	12.75	156	39195	20.660	ug/l	98
78) n-propylbenzene	12.80	91	204457	20.695	ug/l	100
79) 2-Chlorotoluene	12.90	91	119345	20.830	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	149819	20.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9682	18.634	ug/l	98
82) 4-Chlorotoluene	12.99	91	125937	21.177	ug/l	98
83) tert-Butylbenzene	13.21	119	133452	21.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	149850	20.955	ug/l	99
85) sec-Butylbenzene	13.38	105	181574	20.688	ug/l	100
86) p-Isopropyltoluene	13.50	119	164444	20.700	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	76844	20.646	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	77483	20.749	ug/l	98
89) n-Butylbenzene	13.83	91	156476	20.708	ug/l	100
90) Hexachloroethane	14.10	117	31231	20.310	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	69479	20.487	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5431	18.942	ug/l	96

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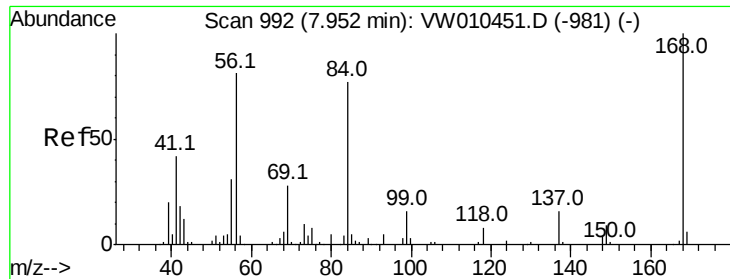
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	45541	19.737	ug/l	97
94) Hexachlorobutadiene	15.24	225	24669	20.012	ug/l	99
95) Naphthalene	15.37	128	92376	19.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38415	19.348	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion:168 Resp: 139751

Ion Ratio Lower Upper

168 100

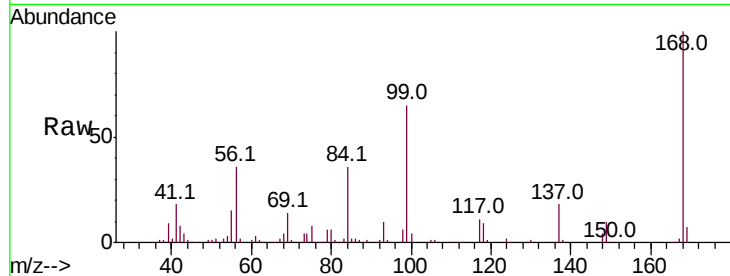
99 65.2 46.1 69.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

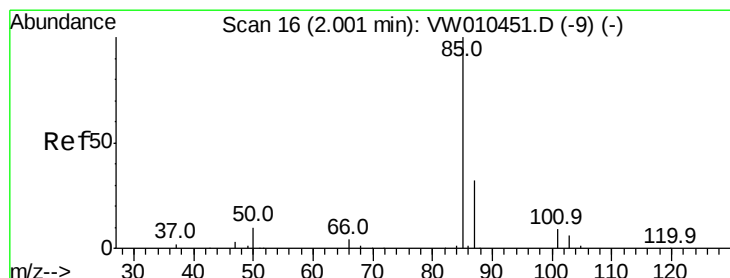
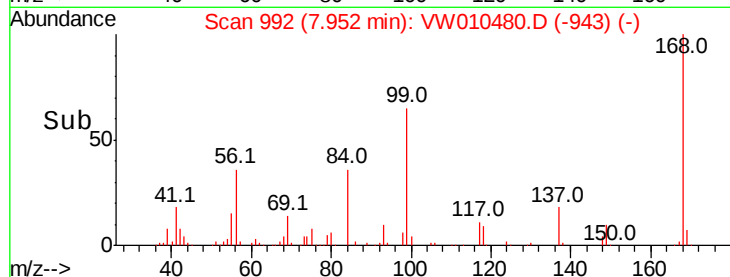
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.759 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010480.D

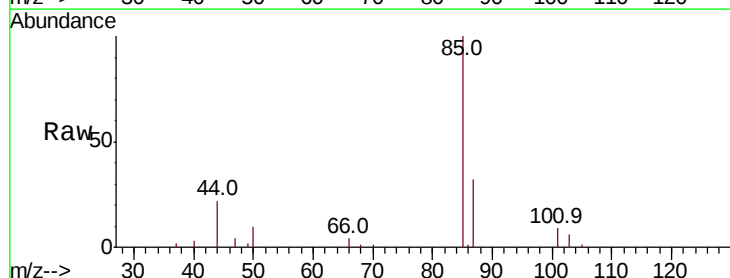
Acq: 21 May 2019 11:59

Tgt Ion: 85 Resp: 23573

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

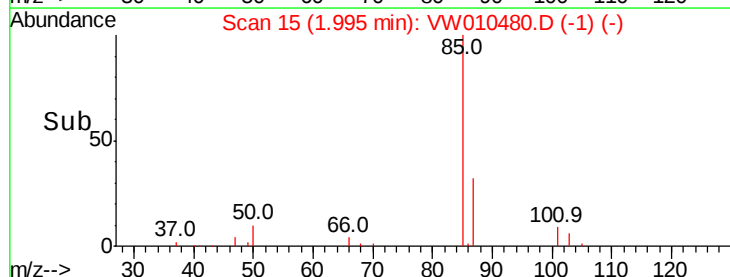
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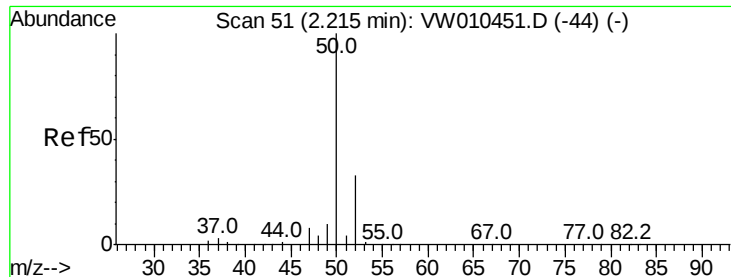
5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 17.904 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 50 Resp: 26289

Ion Ratio Lower Upper

50 100

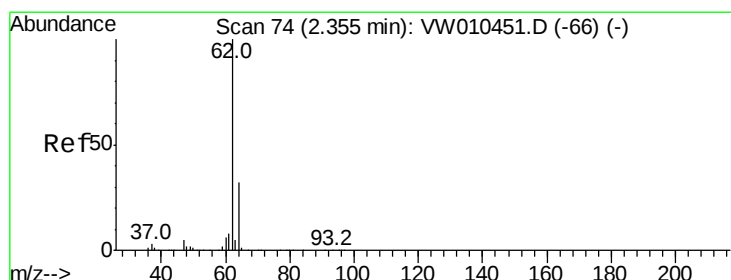
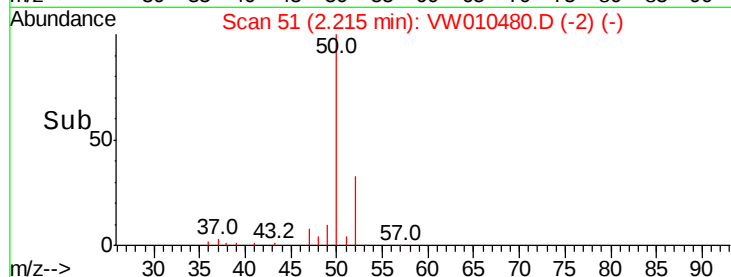
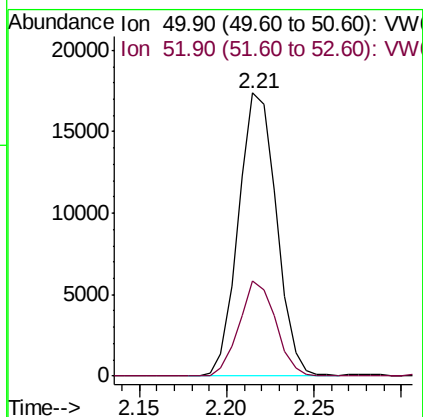
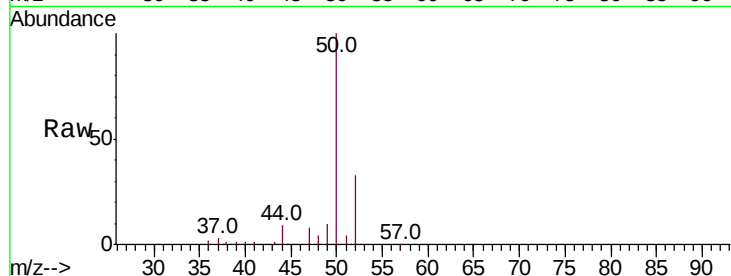
52 33.5 26.3 39.5

Manual Integrations

APPROVED

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5/22/2019 11:55:04 AM



#4

Vinyl Chloride

Concen: 18.257 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010480.D

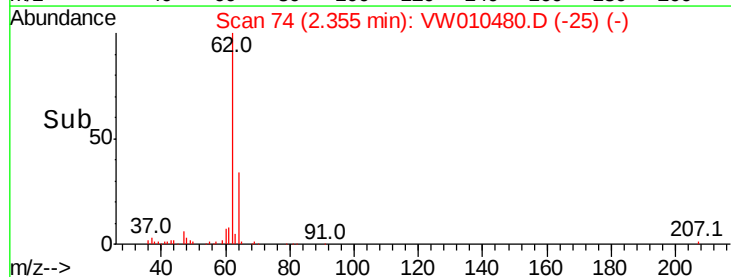
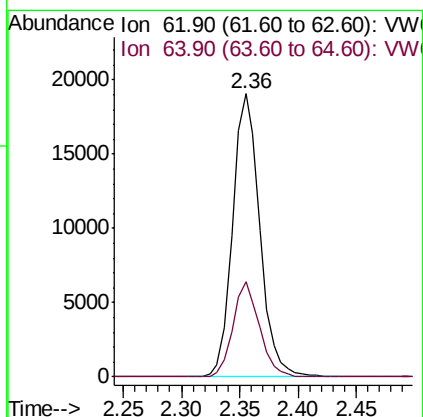
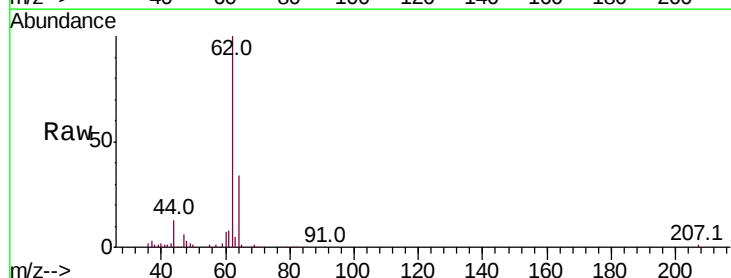
Acq: 21 May 2019 11:59

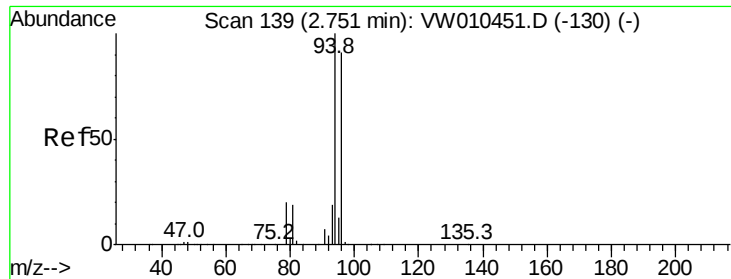
Tgt Ion: 62 Resp: 31051

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.8





#5

Bromomethane

Concen: 20.496 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 94 Resp: 23982

Ion Ratio Lower Upper

94 100

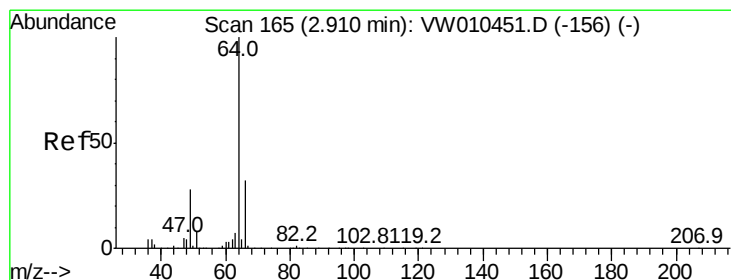
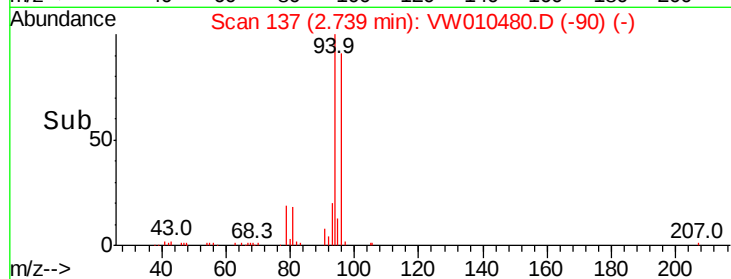
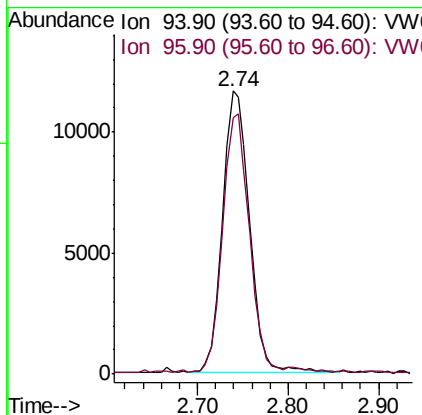
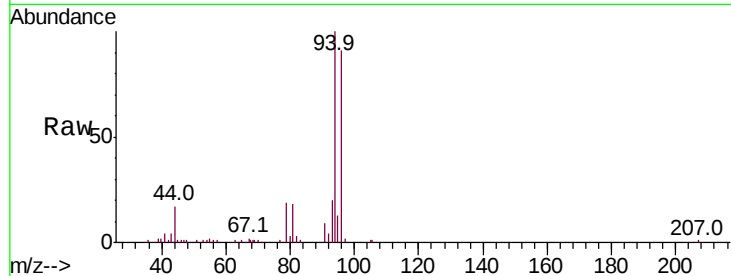
96 90.7 72.9 109.3

Manual Integrations

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5/22/2019 11:55:04 AM



#6

Chloroethane

Concen: 19.407 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010480.D

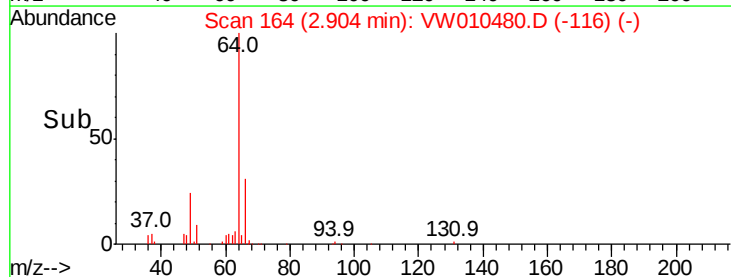
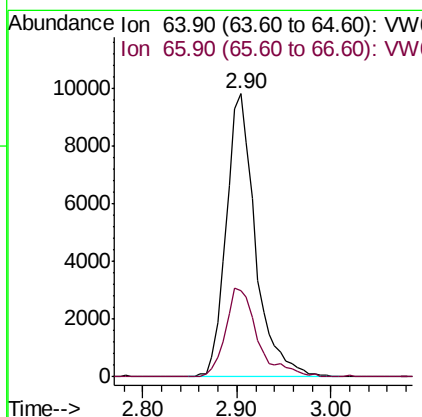
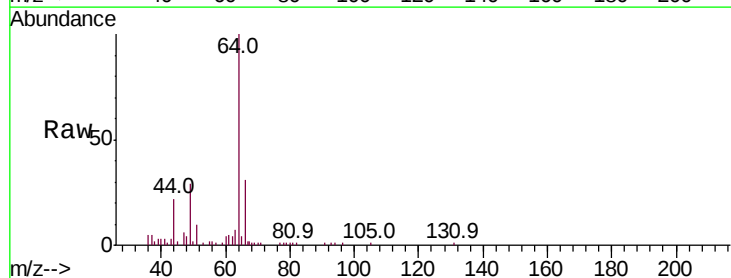
Acq: 21 May 2019 11:59

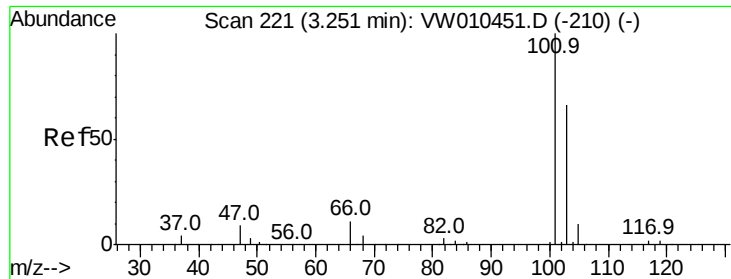
Tgt Ion: 64 Resp: 21189

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3





#7

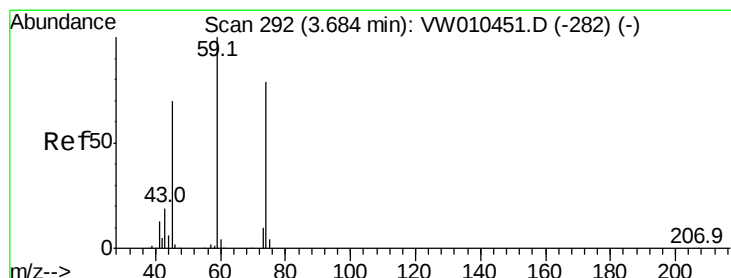
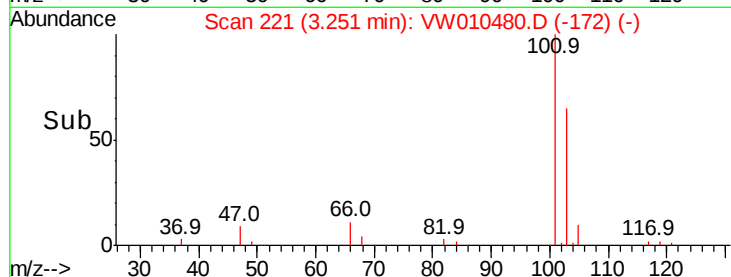
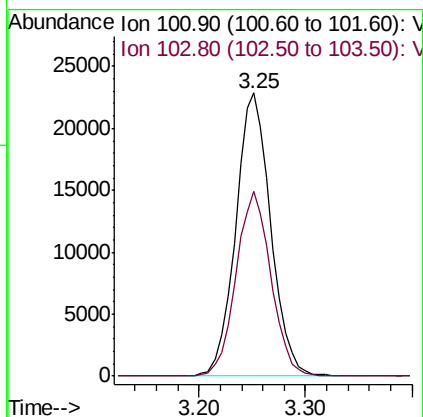
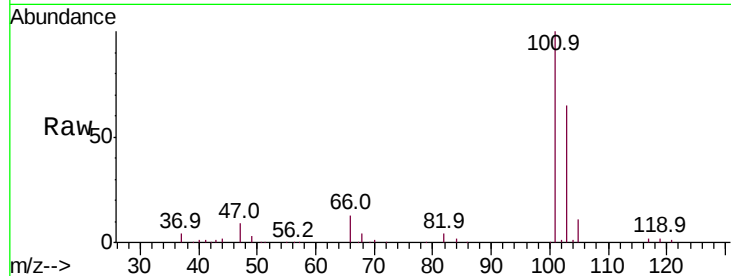
Trichlorofluoromethane
 Concen: 20.927 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
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 ClientSampleId :
 VW0521SBS01

Tot Ion:101 Resp: 52548
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.0 79.4

Manual Integrations
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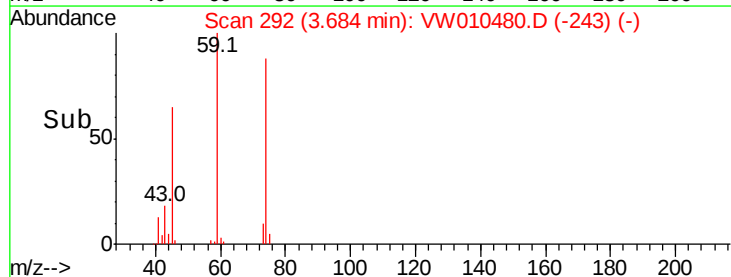
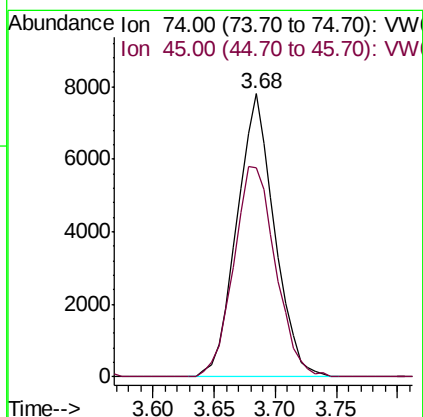
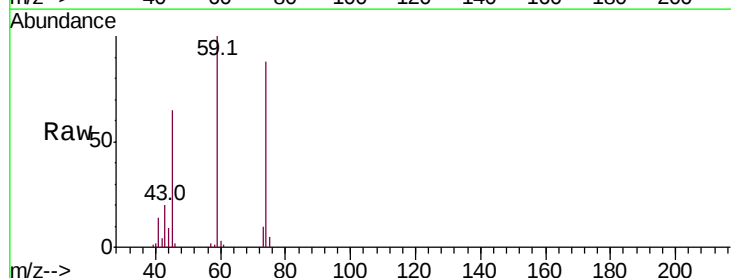
MMDadoda
 5/22/2019 11:55:04 AM

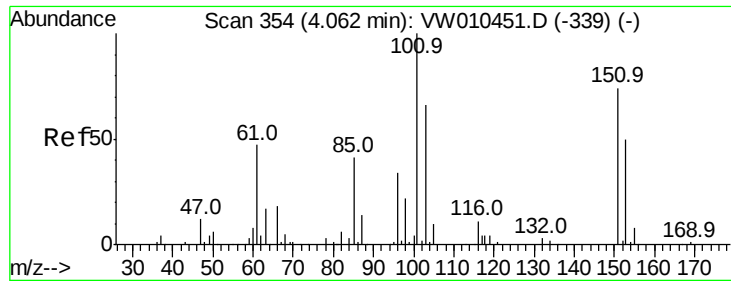


#8

Diethyl Ether
 Concen: 20.832 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion: 74 Resp: 16582
 Ion Ratio Lower Upper
 74 100
 45 83.0 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.288 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

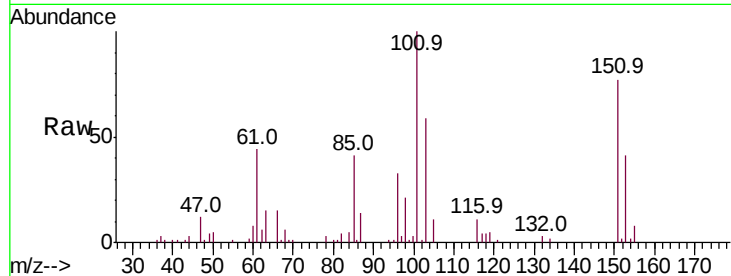
ClientSampled :

VW0521SBS01

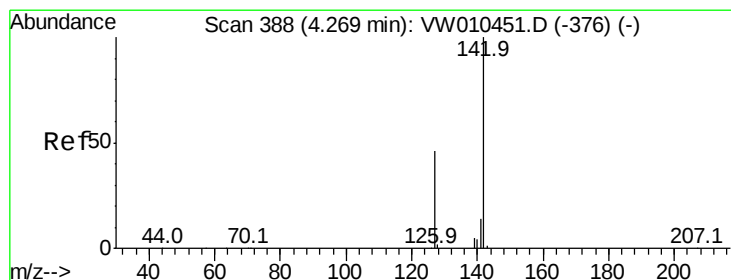
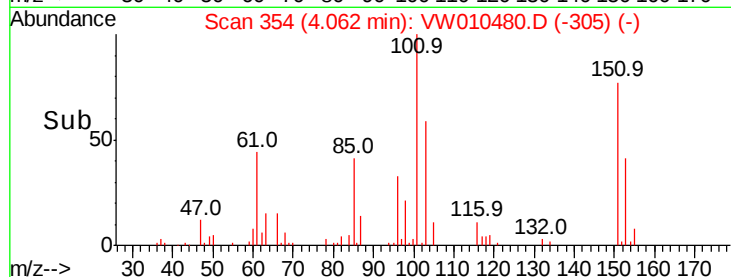
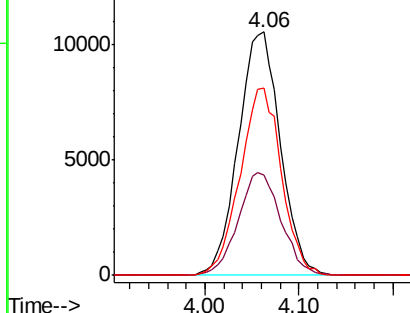
Tot Ion:	101	Resp:	32919
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	75.9	60.3	90.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.302 ug/l

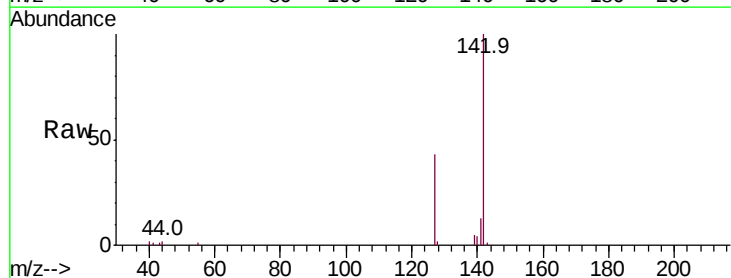
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

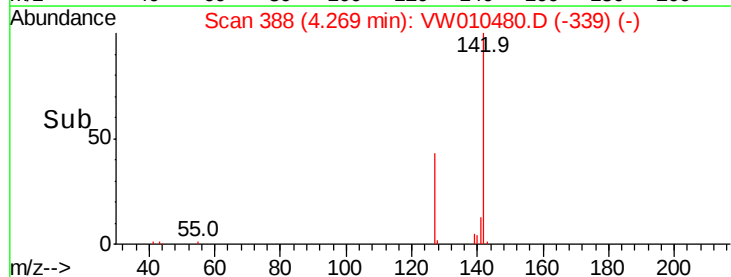
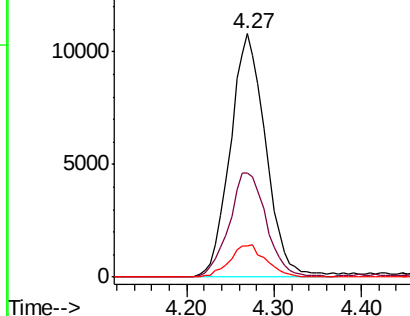
Lab File: VW010480.D

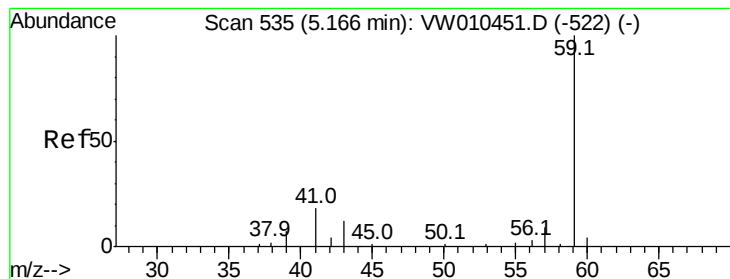
Acq: 21 May 2019 11:59

Tgt Ion:	142	Resp:	30582
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.1	54.1
141	13.3	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

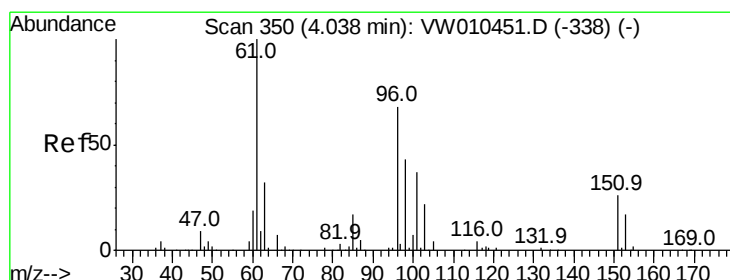
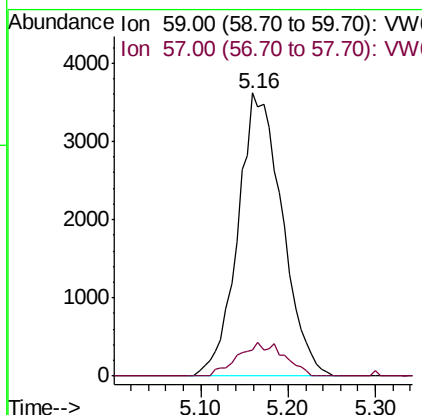
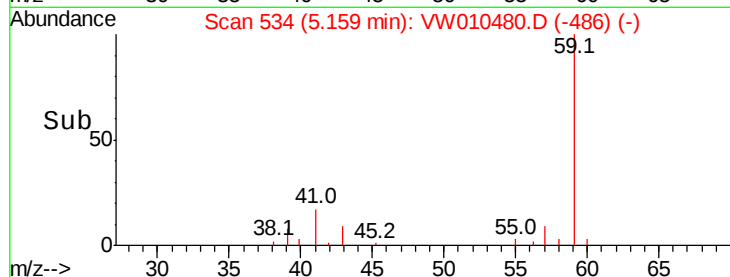
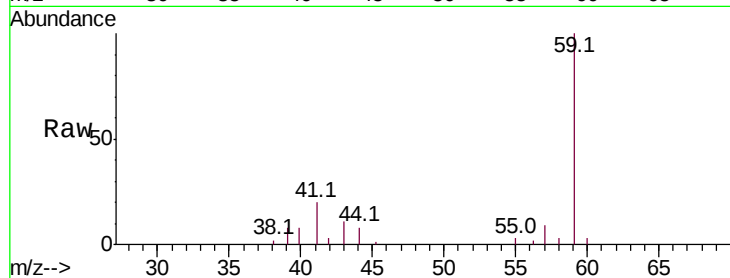
Tert butyl alcohol
 Concen: 98.020 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		12718		
57	12.4			8.8	13.2

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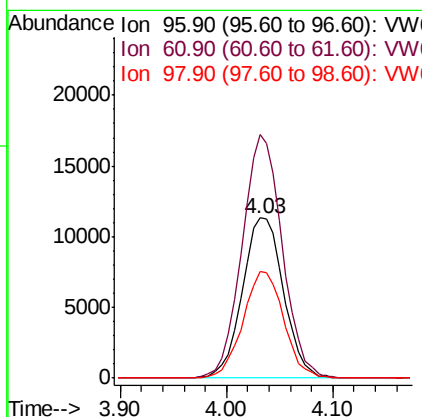
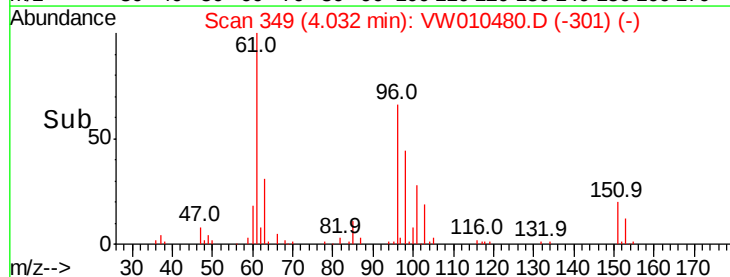
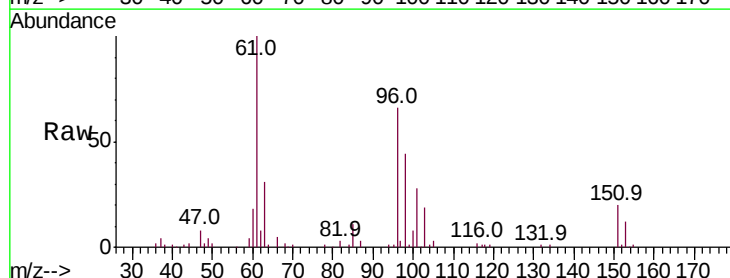
MMDadoda
 5/22/2019 11:55:04 AM

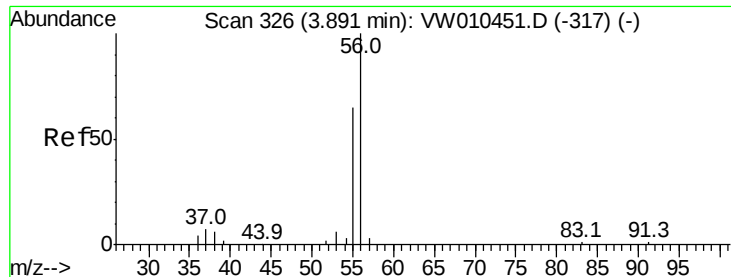


#12

1,1-Dichloroethene
 Concen: 20.856 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		30786		
61	152.0			118.3	177.5
98	66.2			51.0	76.6





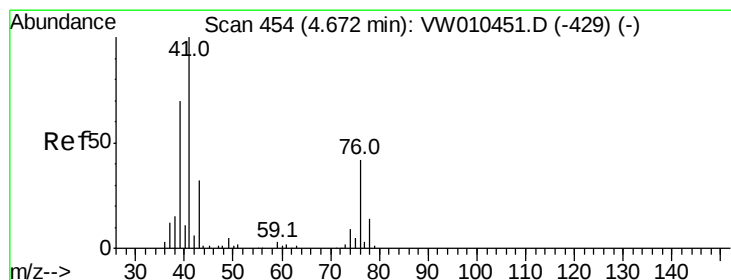
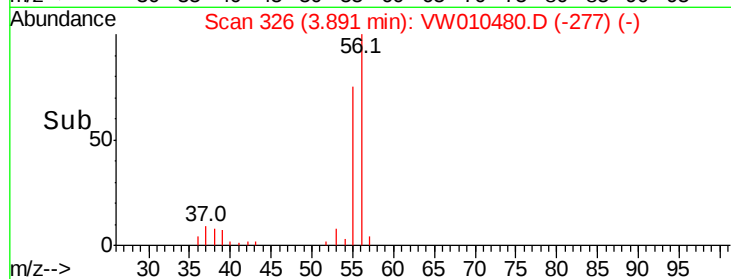
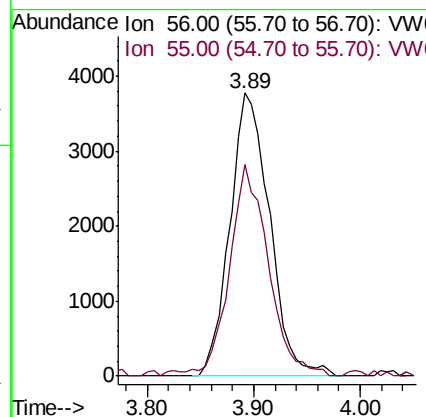
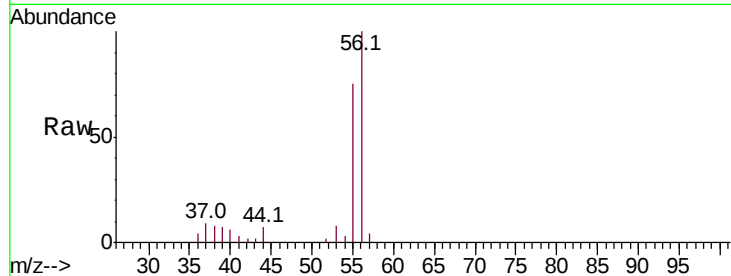
#13
Acrolein
Concen: 119.062 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	56	Resp	9885
Ion Ratio	Lower	Upper	
56	100		
55	73.6	57.9	86.9

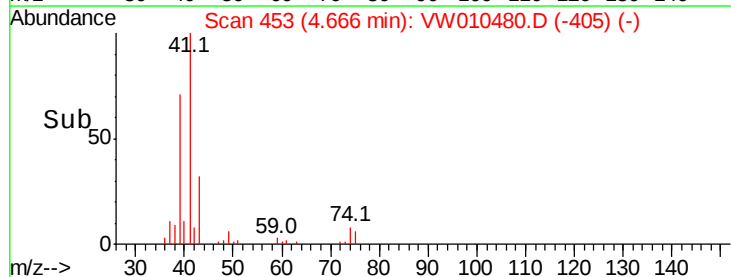
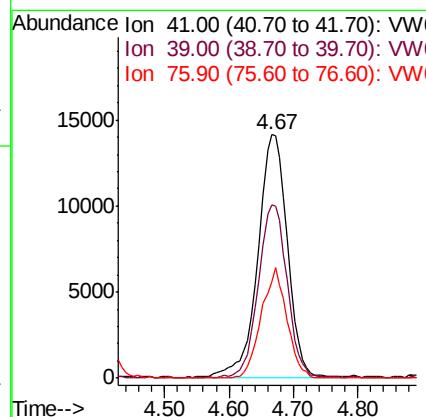
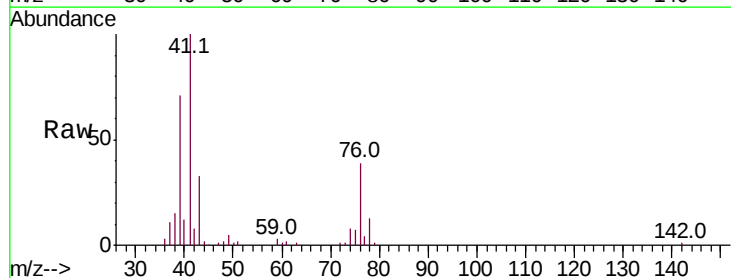
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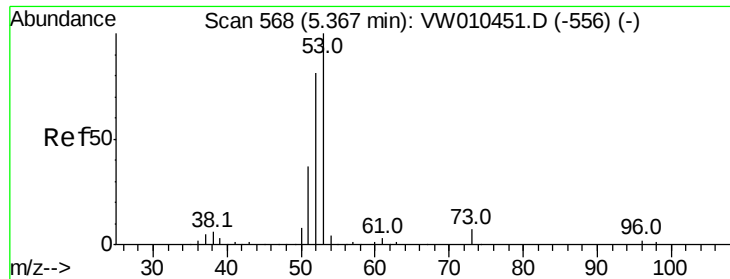
MMDadoda
5/22/2019 11:55:04 AM



#14
Allyl chloride
Concen: 21.062 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	41	Resp	45003
Ion Ratio	Lower	Upper	
41	100		
39	69.3	55.0	82.4
76	39.0	32.8	49.2





#15

Acrylonitrile

Concen: 101.251 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

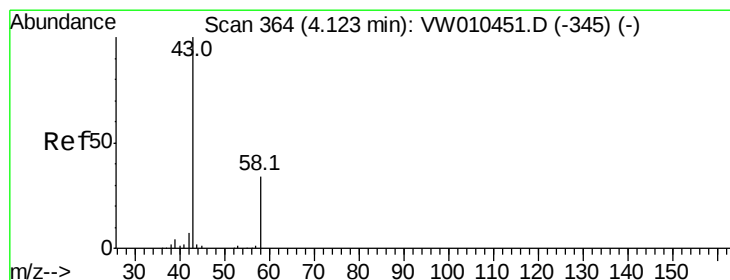
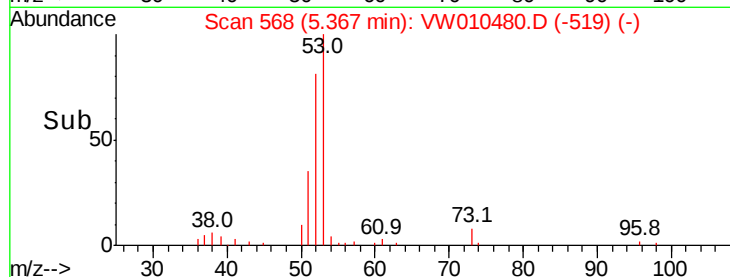
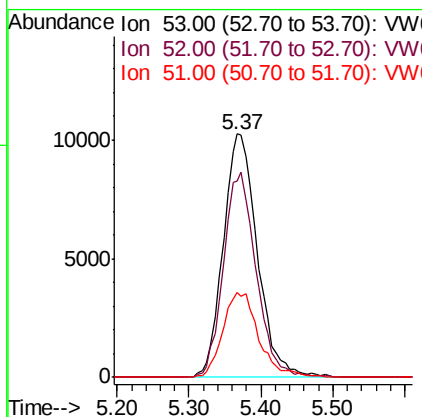
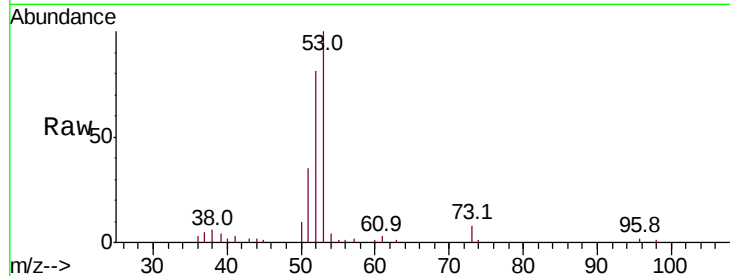
ClientSampled :

VW0521SBS01

Tot Ion:	53	Resp:	33752
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.6	98.4
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 101.165 ug/l

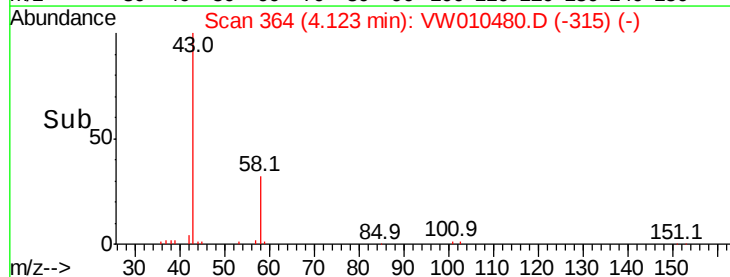
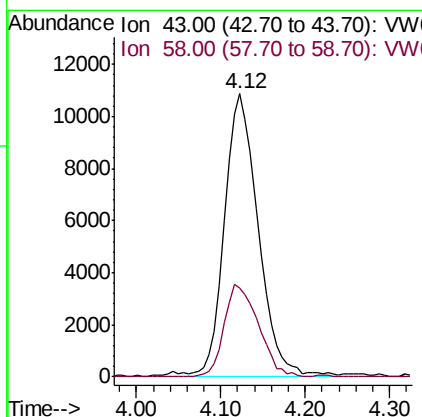
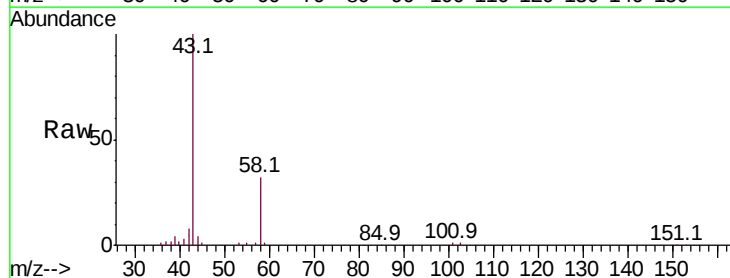
RT: 4.12 min Scan# 364

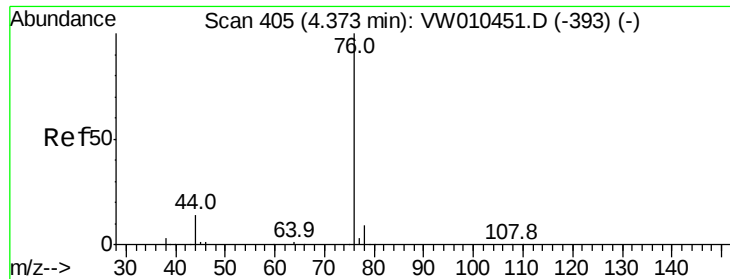
Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Tgt Ion:	43	Resp:	29787
Ion	Ratio	Lower	Upper
43	100		
58	31.8	27.0	40.4





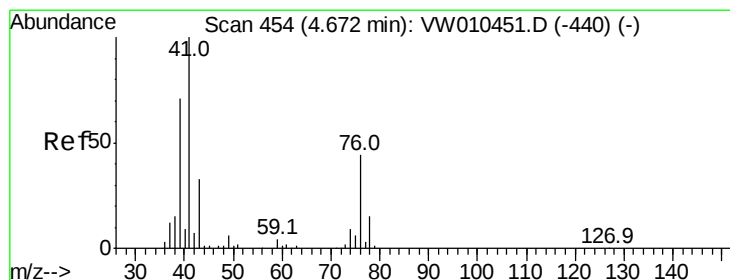
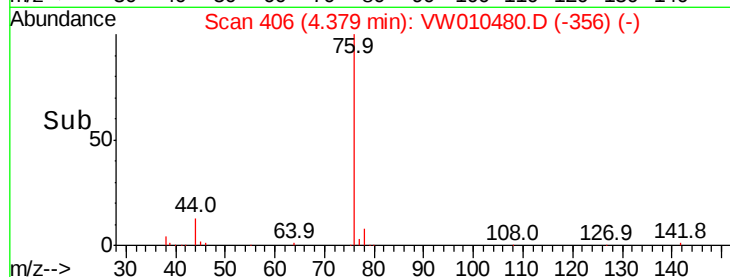
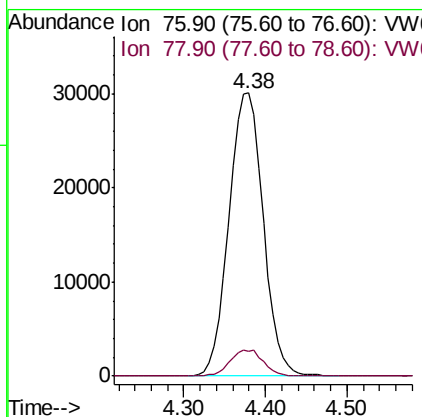
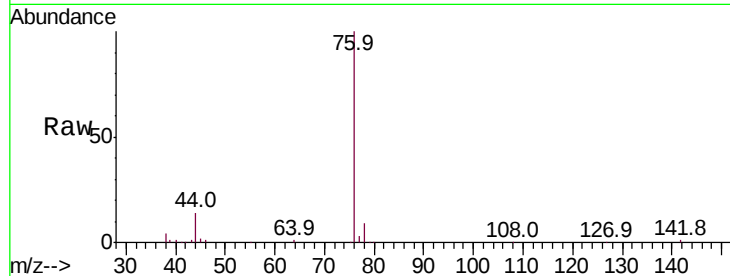
#17
Carbon Disulfide
Concen: 19.865 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion: 76 Resp: 87466
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

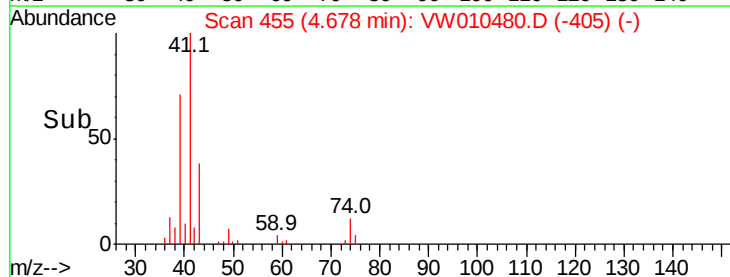
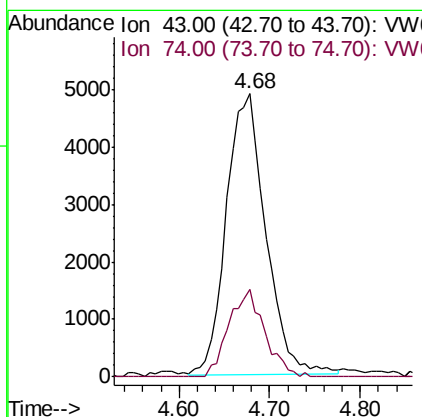
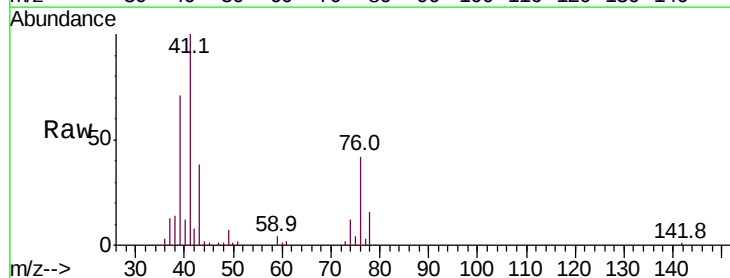
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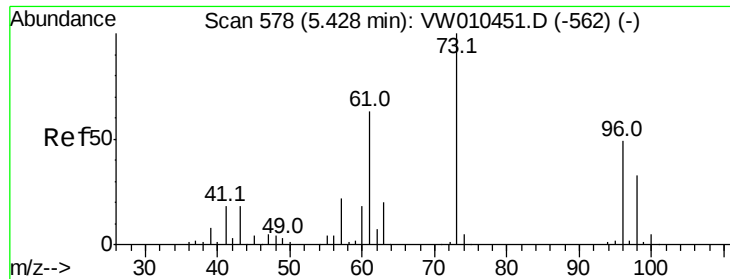
MMDadoda
5/22/2019 11:55:04 AM



#18
Methyl Acetate
Concen: 20.497 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion: 43 Resp: 14760
Ion Ratio Lower Upper
43 100
74 28.1 21.6 32.4





#19

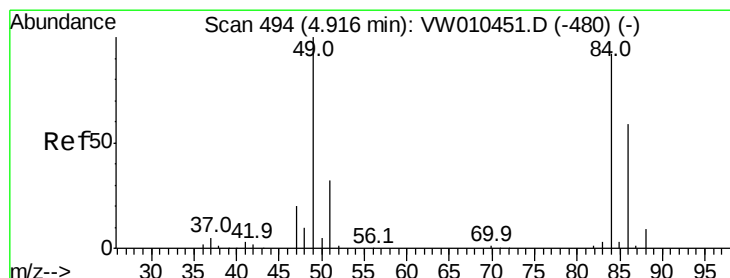
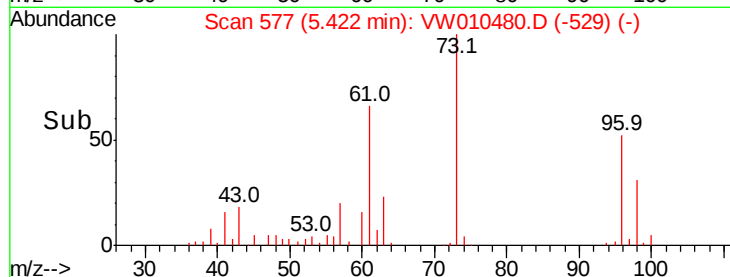
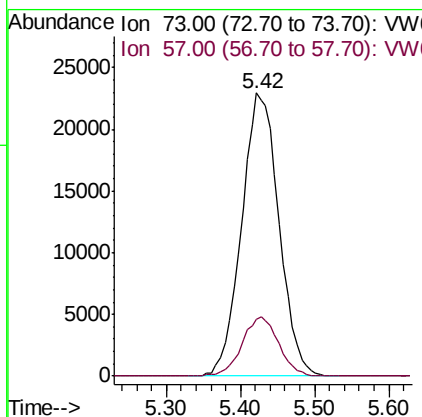
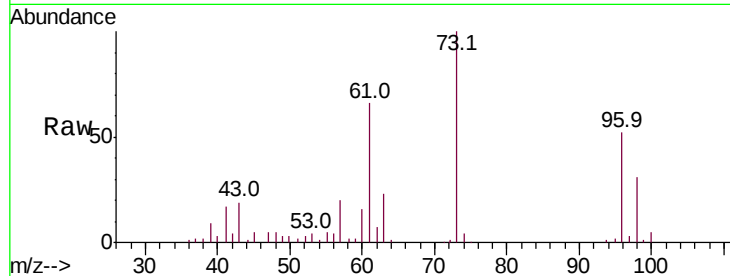
Methyl tert-butyl Ether
 Concen: 21.358 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0

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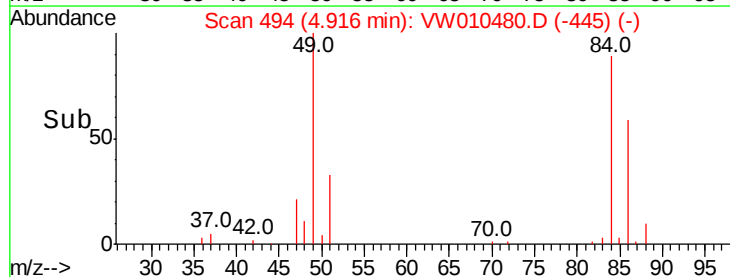
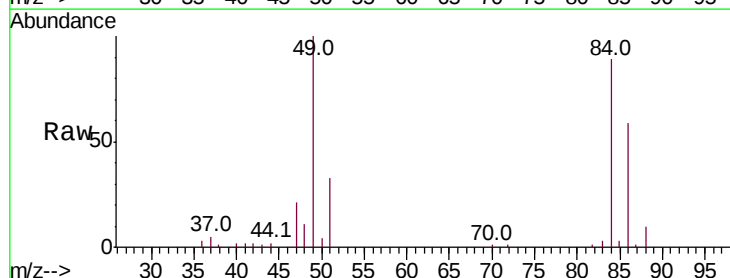
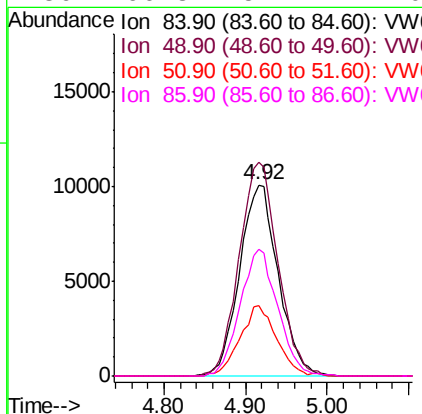
MMDadoda
 5/22/2019 11:55:04 AM

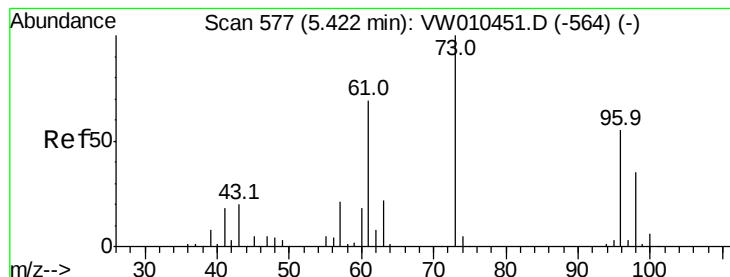


#20

Methylene Chloride
 Concen: 15.742 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.9	87.2	130.8
51	37.0	27.7	41.5
86	66.3	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 20.970 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 96 Resp: 35505

Ion Ratio Lower Upper

96 100

61 125.4 101.4 152.0

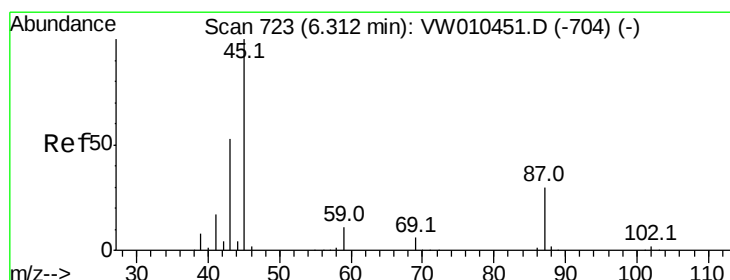
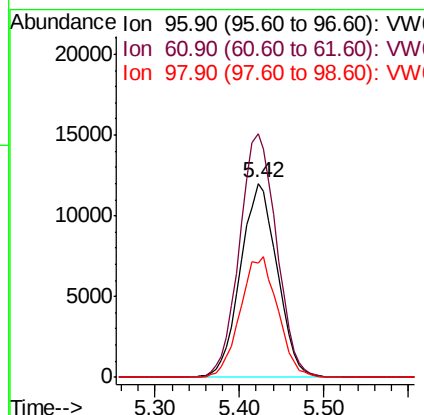
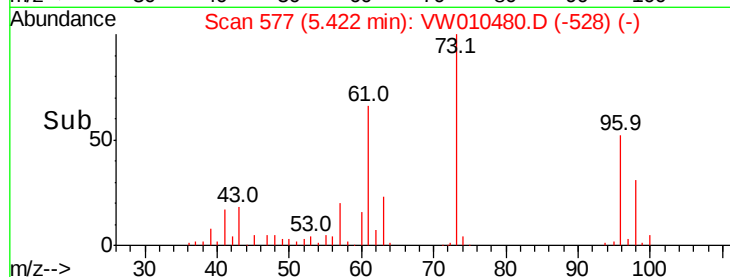
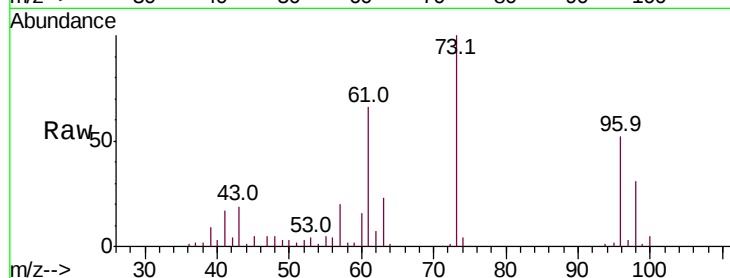
98 59.0 50.6 76.0

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#22

Diisopropyl ether

Concen: 20.897 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Tgt Ion: 45 Resp: 91555

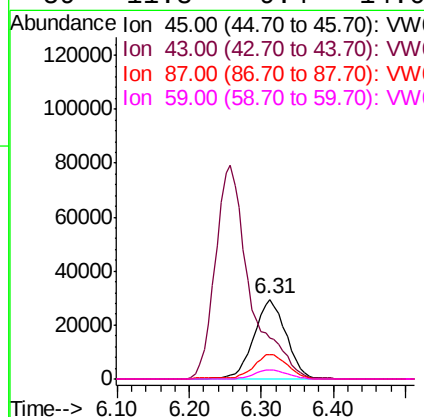
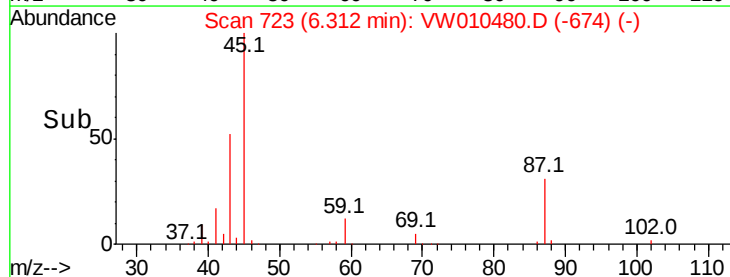
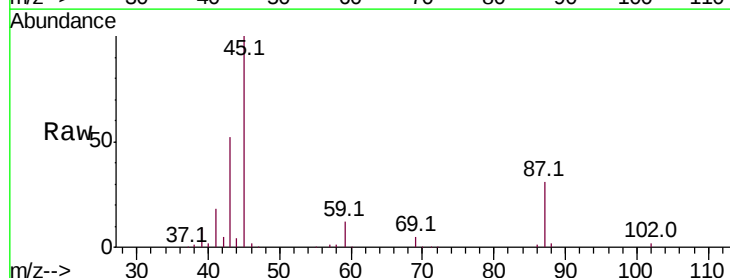
Ion Ratio Lower Upper

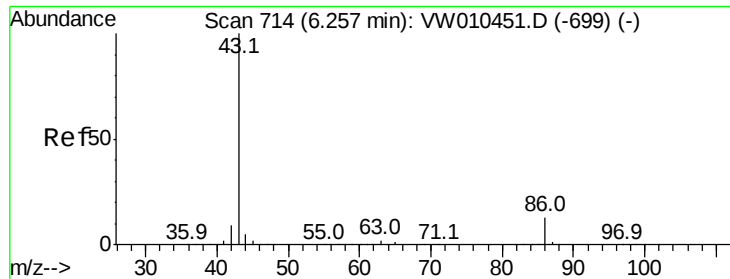
45 100

43 51.4 42.9 64.3

87 31.2 24.6 36.8

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 101.200 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 43 Resp: 264850

Ion Ratio Lower Upper

43 100

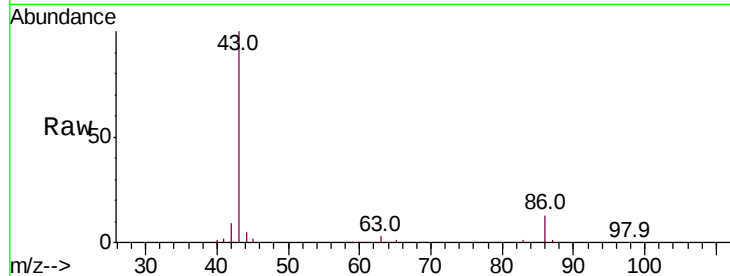
86 12.7 10.3 15.5

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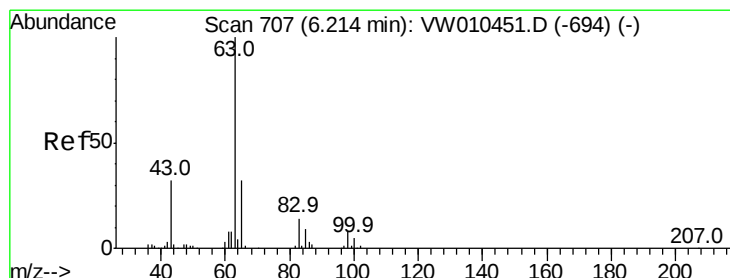
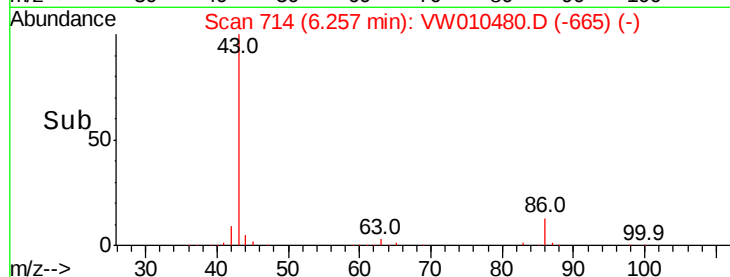
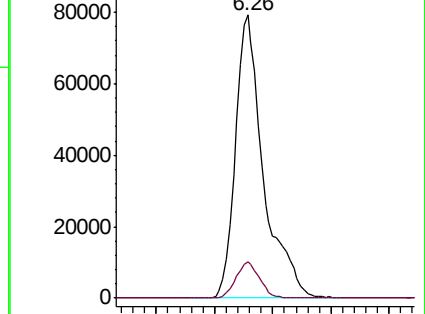
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.203 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

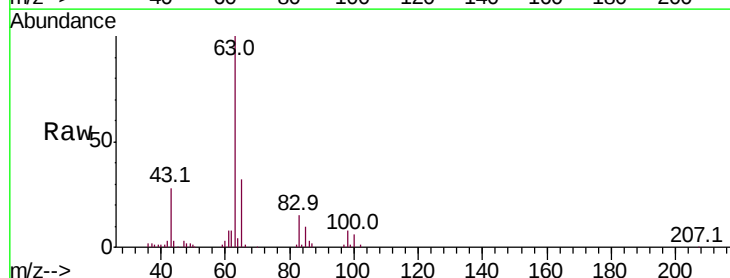
Tgt Ion: 63 Resp: 55435

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

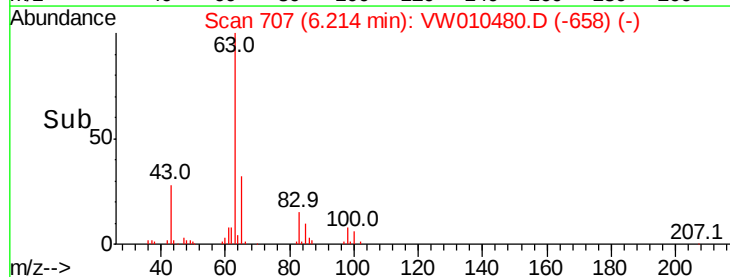
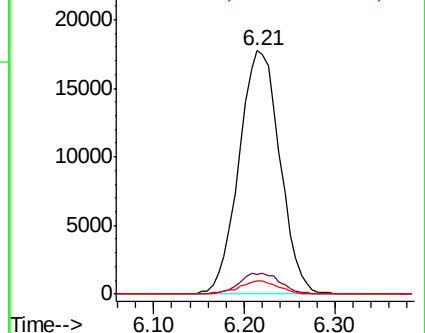
100 5.6 2.5 7.4

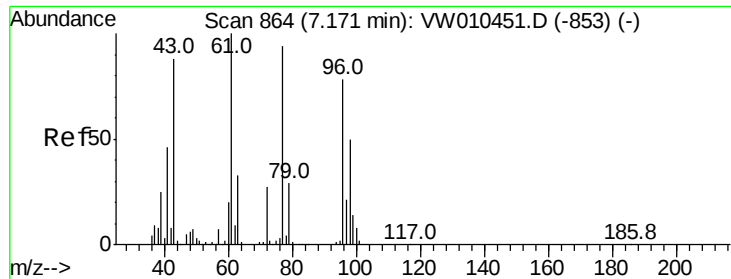


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.994 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampled :

VW0521SBS01

Tot Ion: 43 Resp: 42556

Ion Ratio Lower Upper

43 100

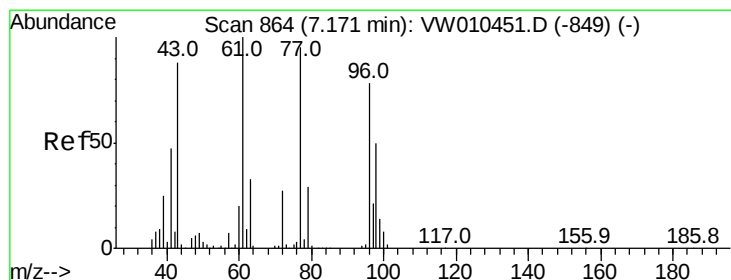
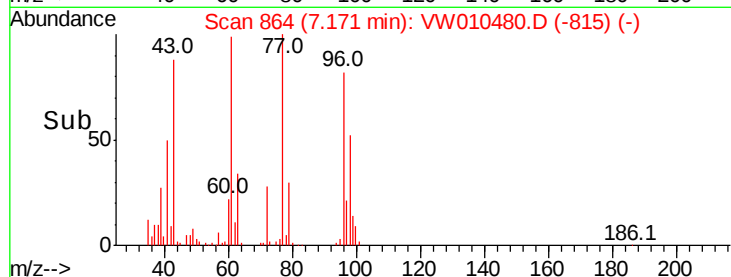
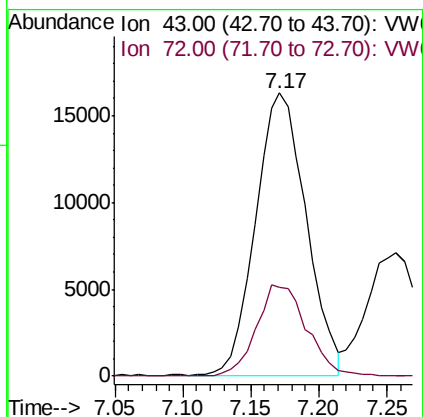
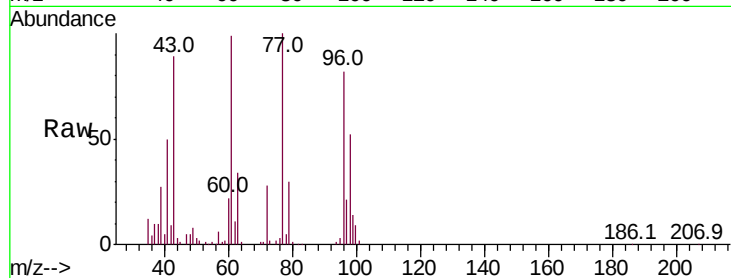
72 31.4 24.1 36.1

Manual Integrations

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MMDadoda

5/22/2019 11:55:04 AM



#26

2,2-Dichloropropane

Concen: 21.410 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010480.D

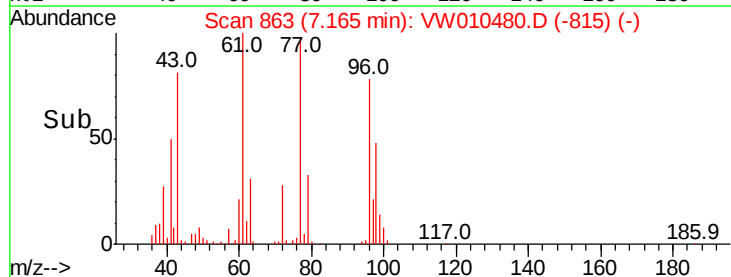
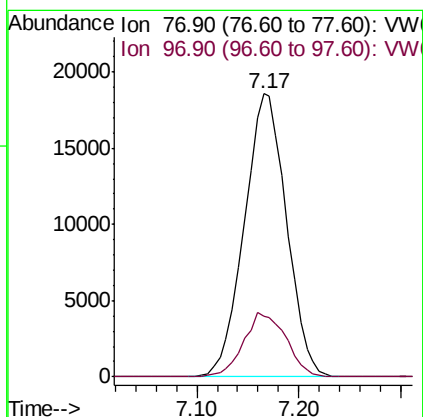
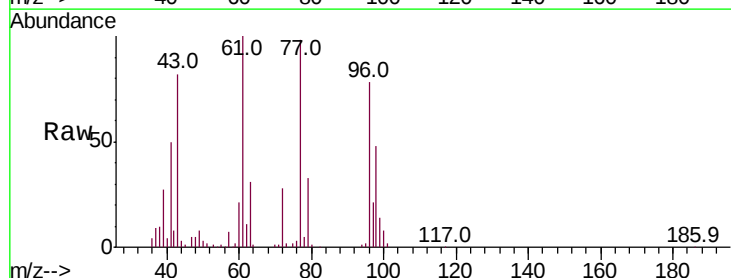
Acq: 21 May 2019 11:59

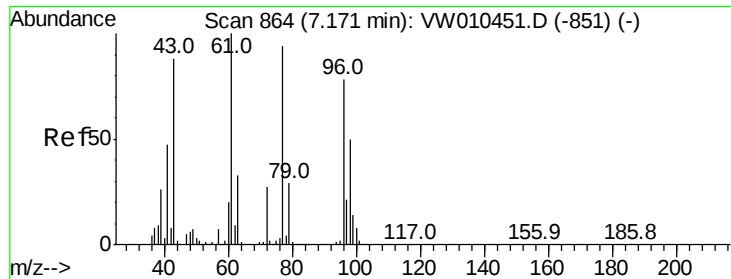
Tgt Ion: 77 Resp: 53321

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





#27

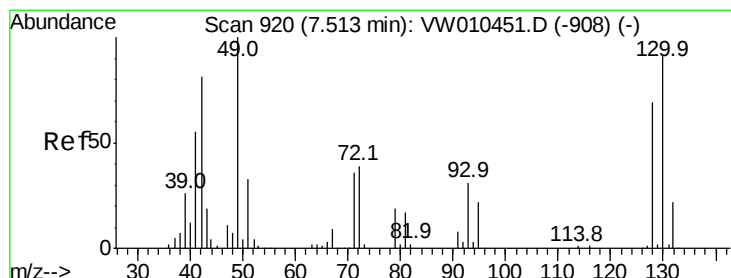
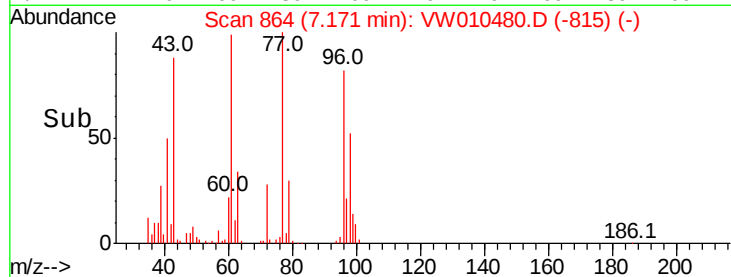
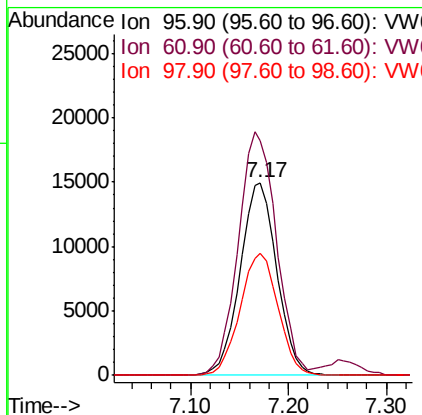
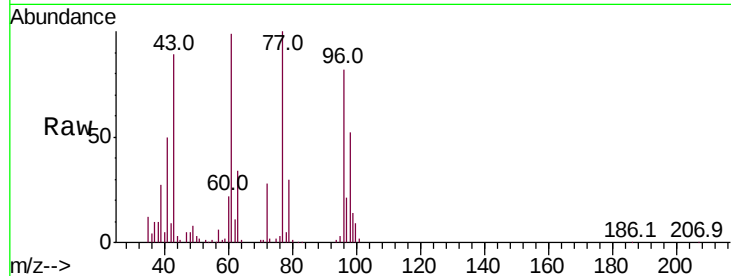
cis-1,2-Dichloroethene
Concen: 21.133 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	265.4
98	65.6	0.0	129.4

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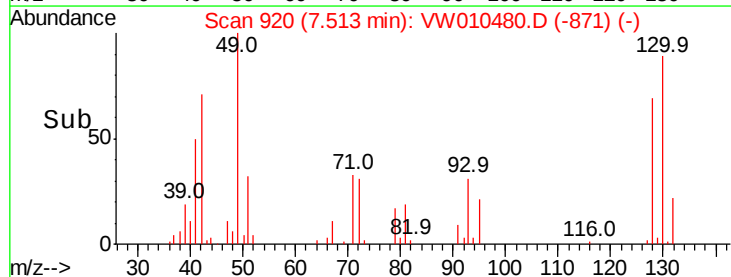
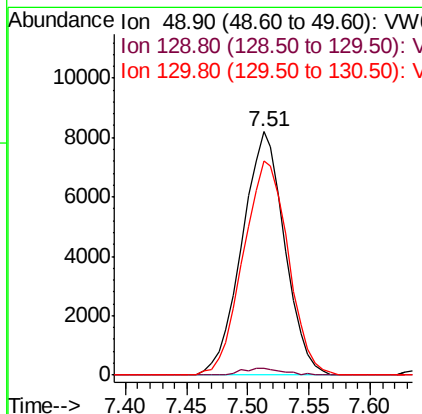
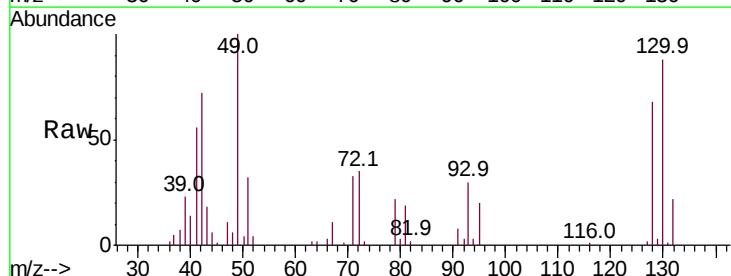
MMDadoda
5/22/2019 11:55:04 AM

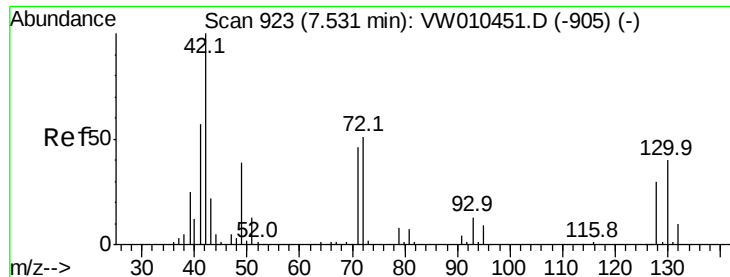


#28

Bromochloromethane
Concen: 21.230 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	92.8	71.2	106.8





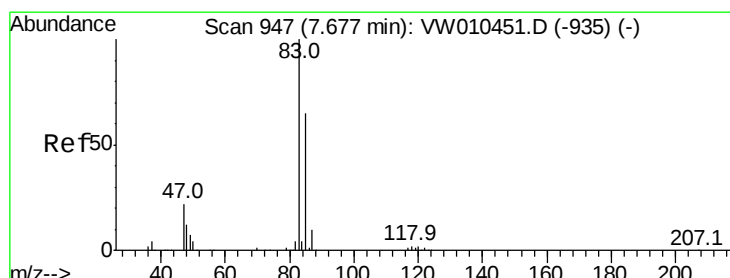
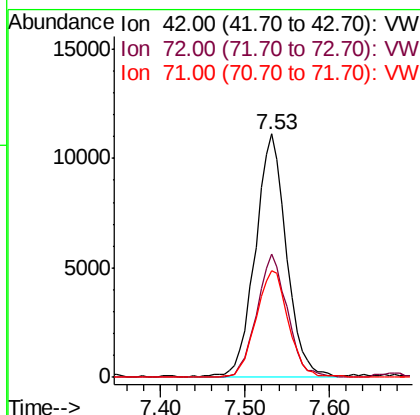
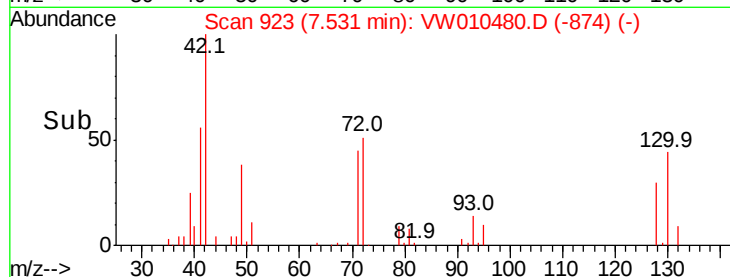
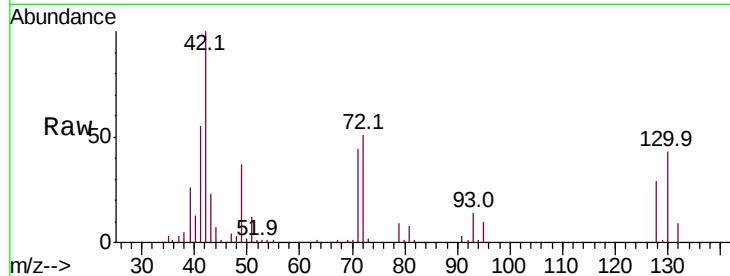
#29
Tetrahydrofuran
Concen: 99.116 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion:	42	Resp:	28261
Ion Ratio	Lower	Upper	
42	100		
72	49.4	38.5	57.7
71	45.4	36.5	54.7

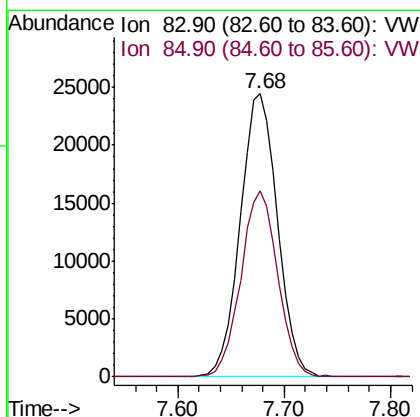
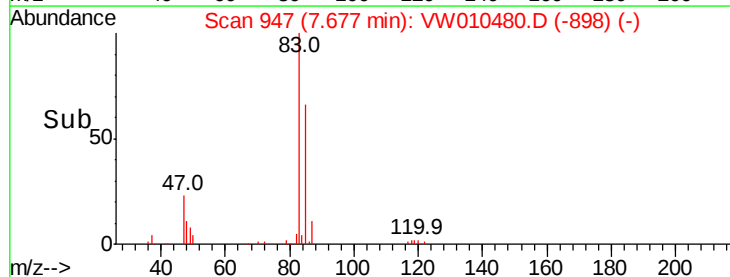
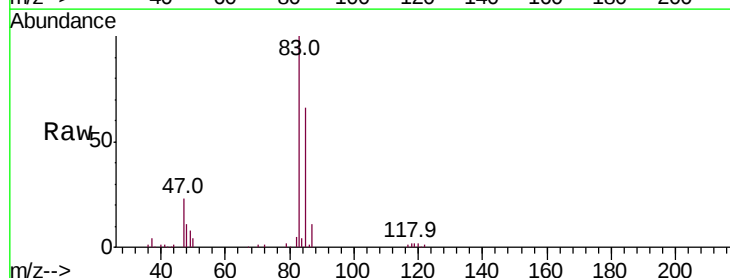
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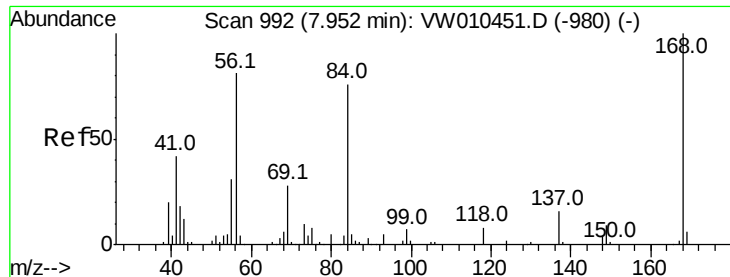
MMDadoda
5/22/2019 11:55:04 AM



#30
Chloroform
Concen: 21.293 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion:	83	Resp:	60049
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.4





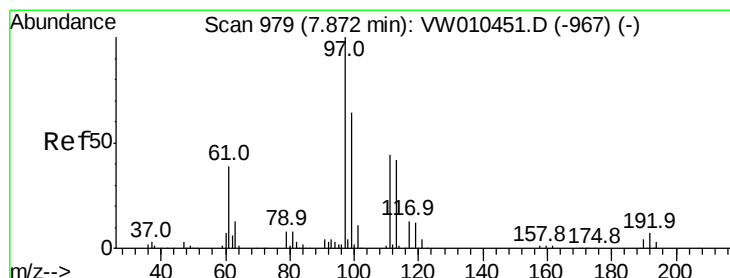
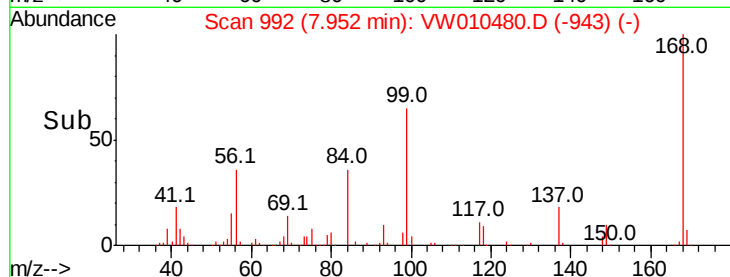
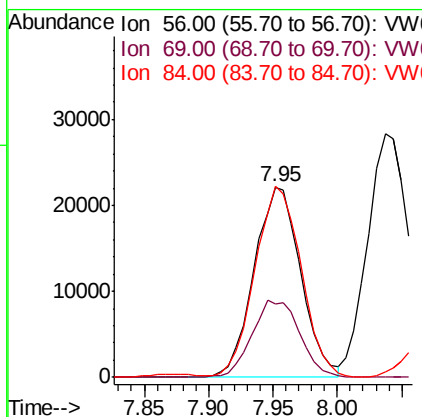
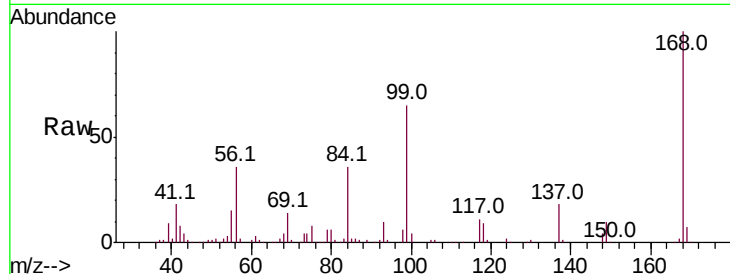
#31
Cyclohexane
Concen: 20.335 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	28.2	42.2
84	99.1	75.8	113.8

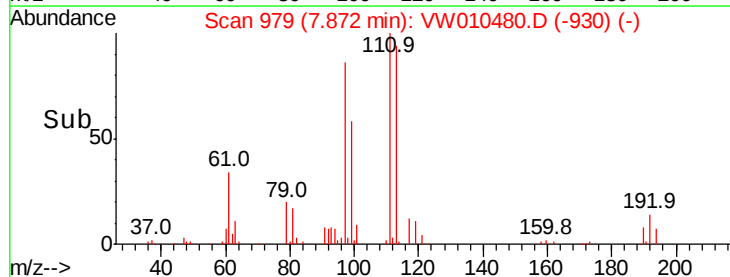
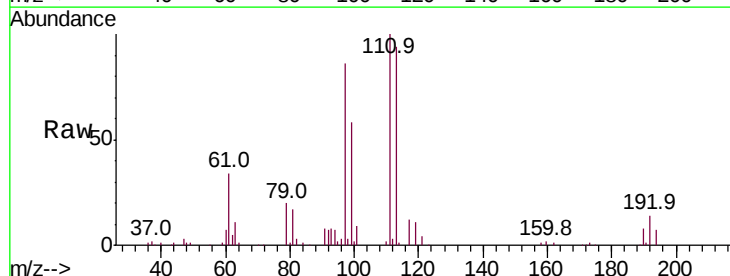
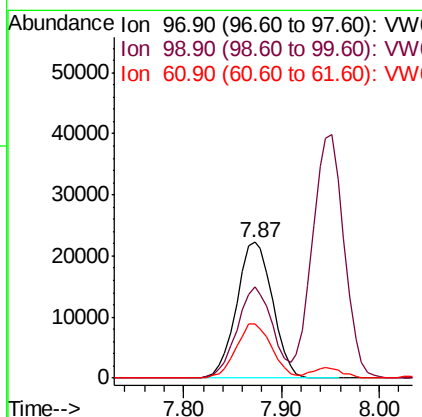
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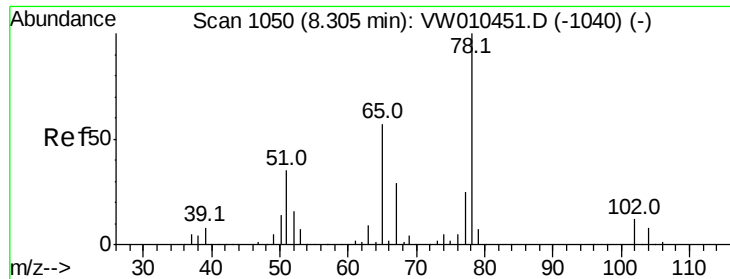
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#32
1,1,1-Trichloroethane
Concen: 21.038 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.8	76.2
61	39.9	32.1	48.1





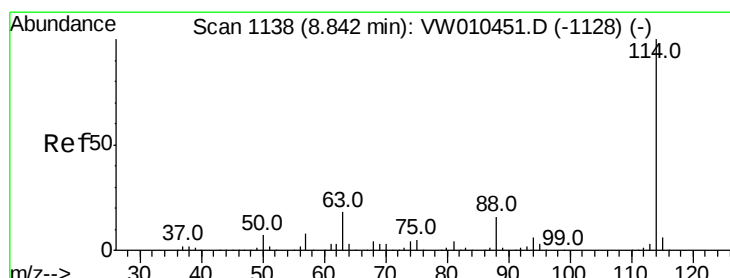
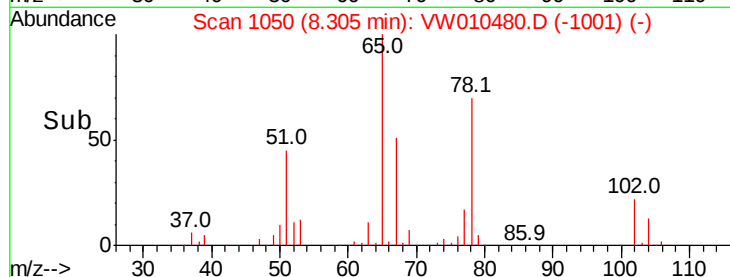
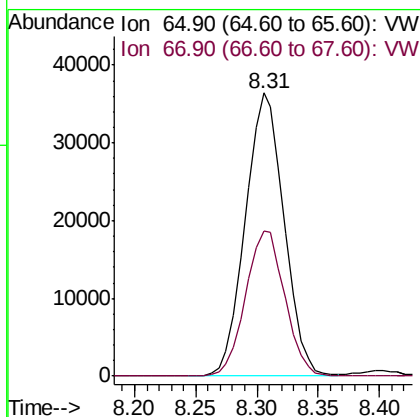
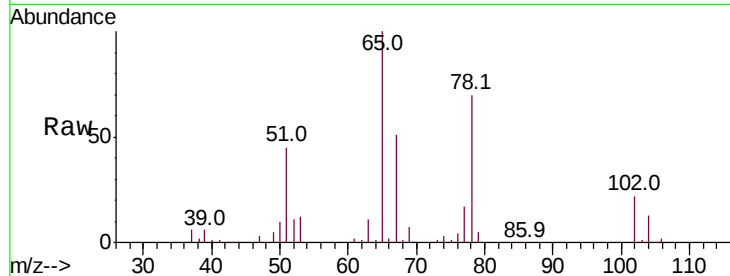
#33
 1,2-Dichloroethane-d4
 Concen: 55.506 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.6	

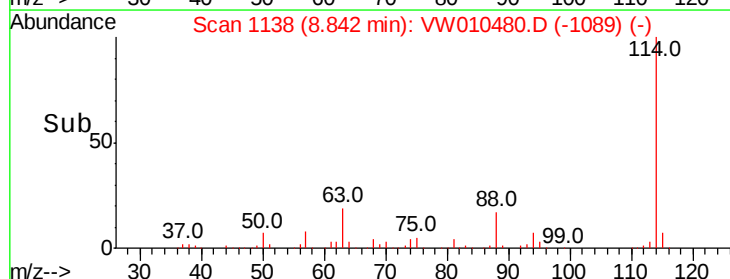
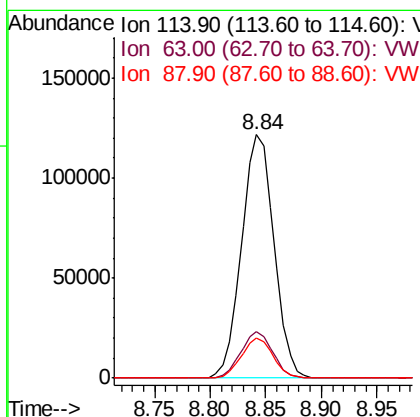
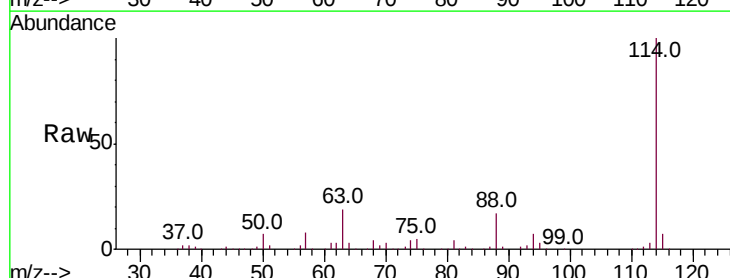
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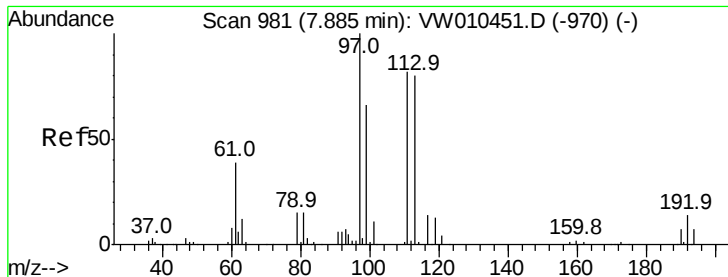
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 5/22/2019 11:55:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	36.0	
88	16.5	0.0	32.0	





#35

Dibromofluoromethane

Concen: 53.993 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

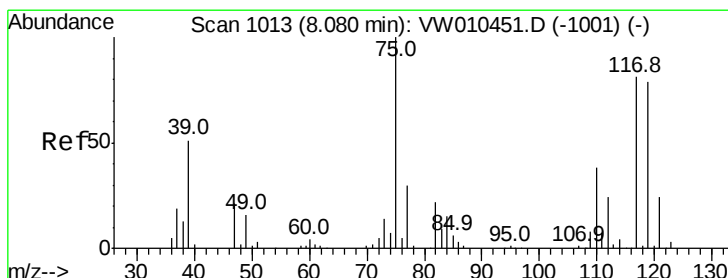
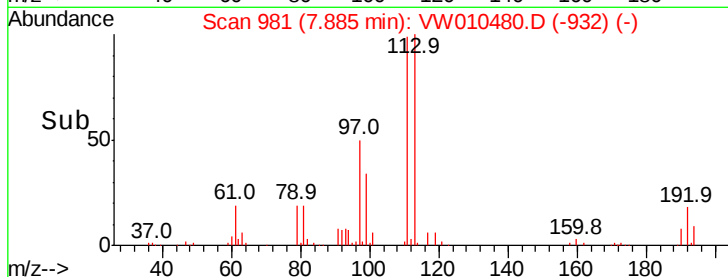
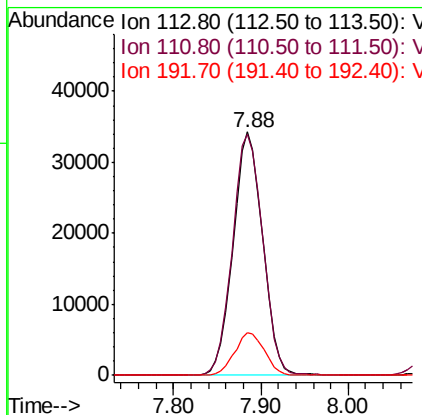
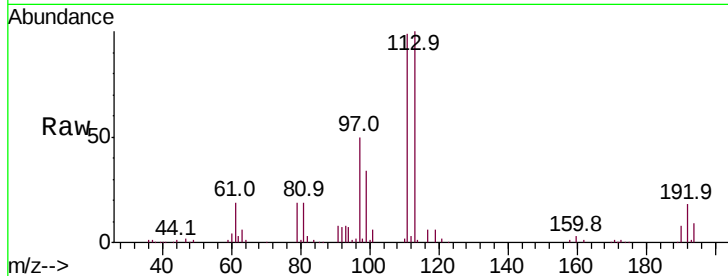
ClientSampleId :

VW0521SBS01

Tot Ion:	113	Resp:	80555
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.2	123.4
192	17.5	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 21.243 ug/l

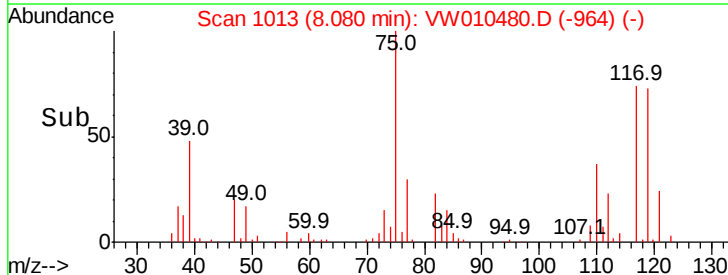
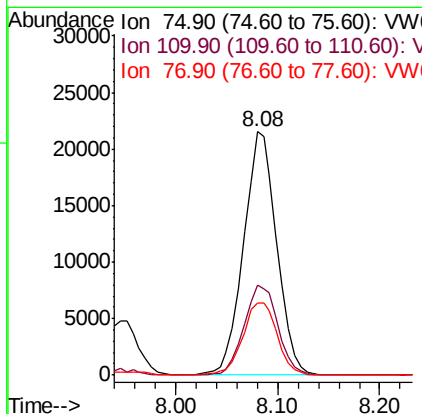
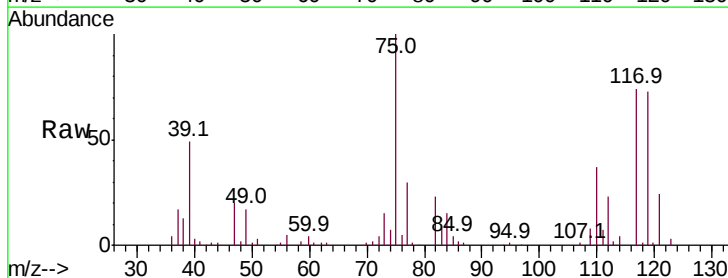
RT: 8.08 min Scan# 1013

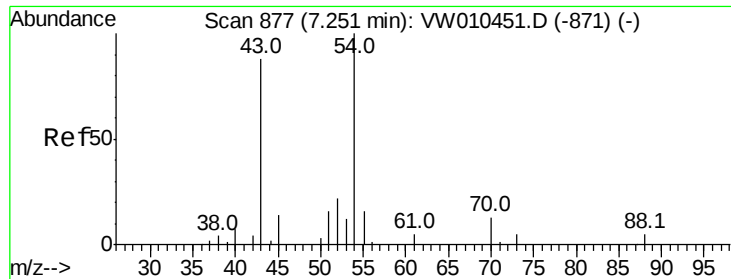
Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Tgt Ion:	75	Resp:	48658
Ion Ratio	Lower	Upper	
75	100		
110	37.6	19.2	57.6
77	31.0	25.2	37.8





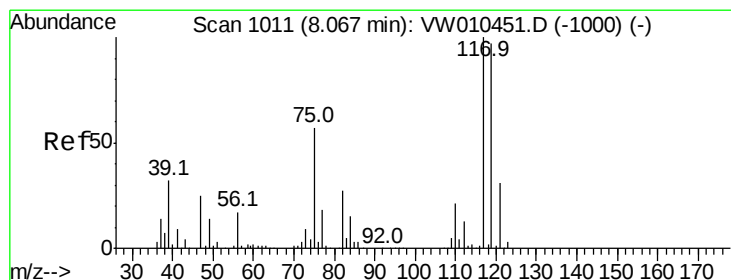
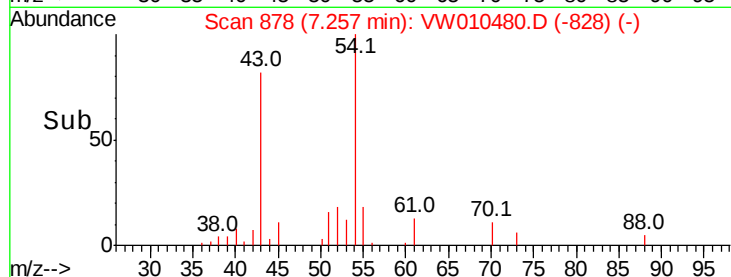
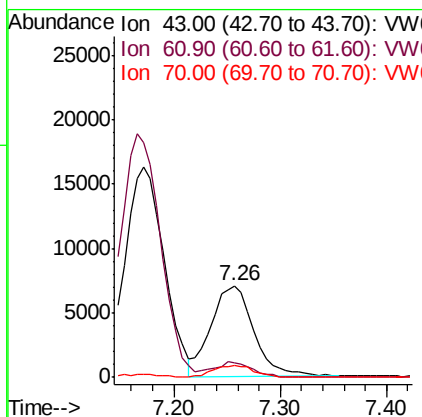
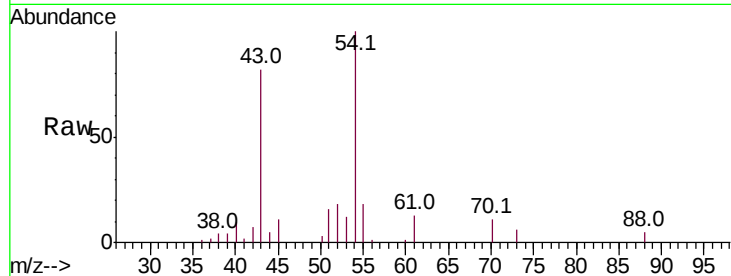
#37
Ethyl Acetate
Concen: 20.294 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	12.4	9.9	14.9

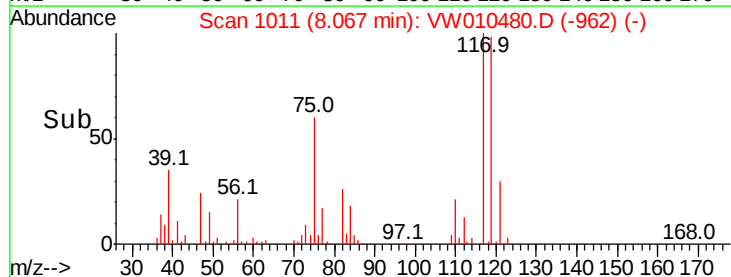
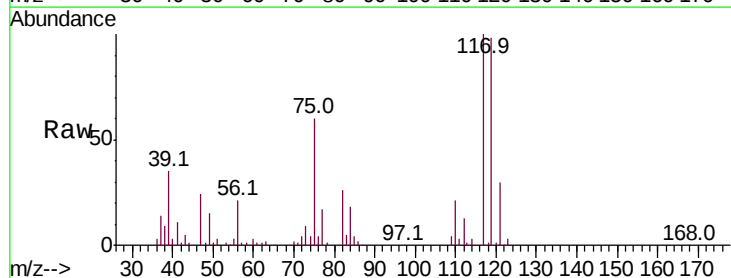
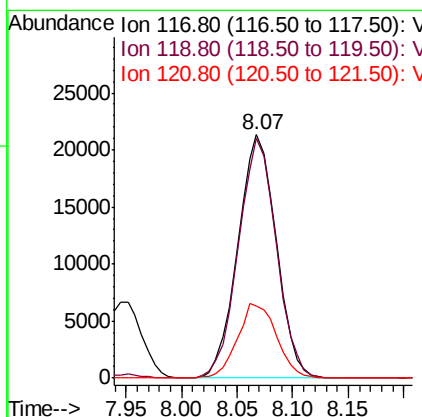
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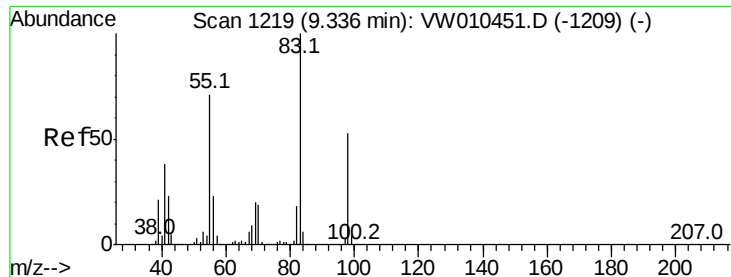
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5/22/2019 11:55:04 AM



#38
Carbon Tetrachloride
Concen: 20.687 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.4	116.0
121	29.8	25.0	37.6





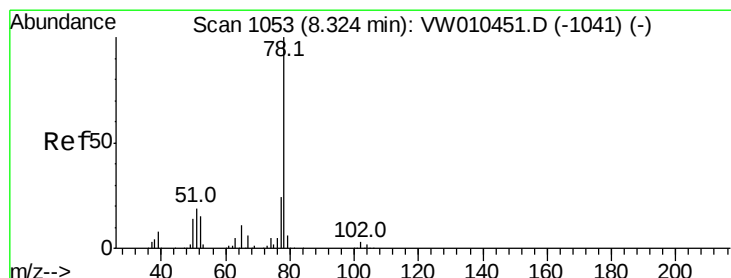
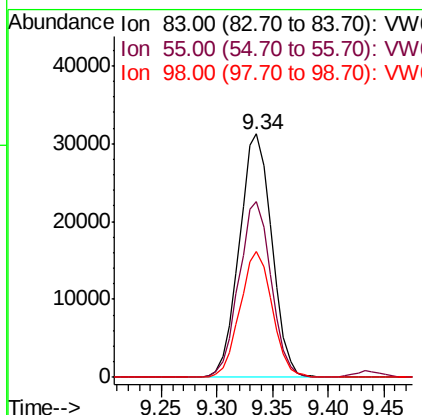
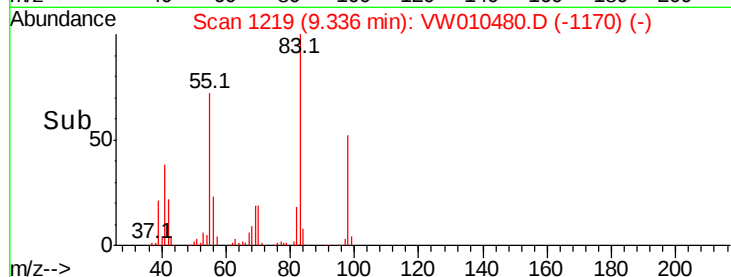
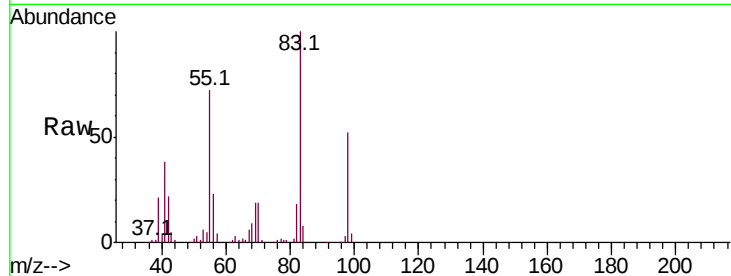
#39
Methvlcvclohexane
Concen: 20.657 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	63392		
55	72.0		57.0	85.6
98	51.7		42.0	63.0

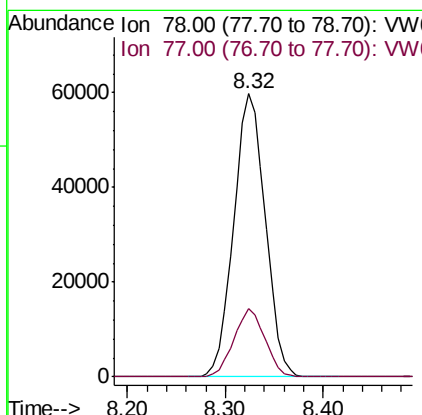
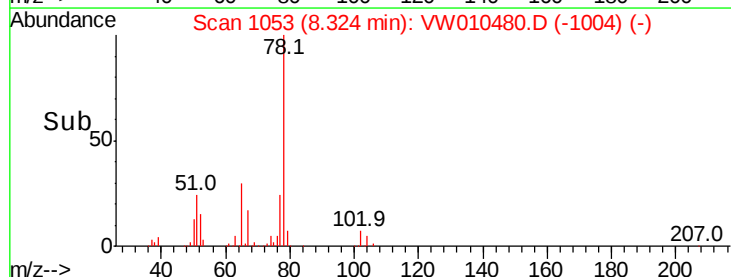
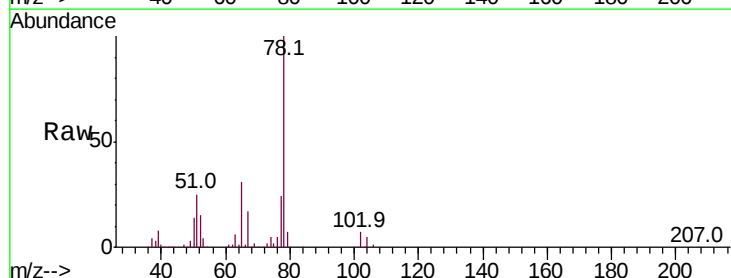
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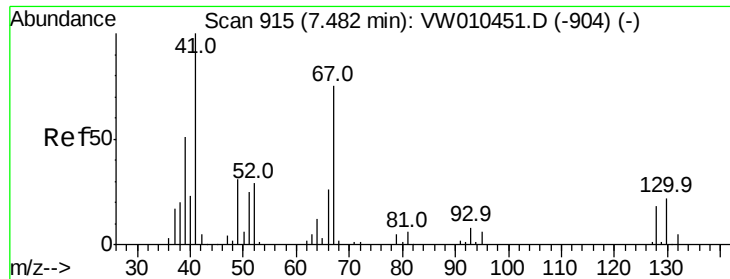
MMDadoda
5/22/2019 11:55:04 AM



#40
Benzene
Concen: 20.989 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	133626		
77	24.2		18.9	28.3





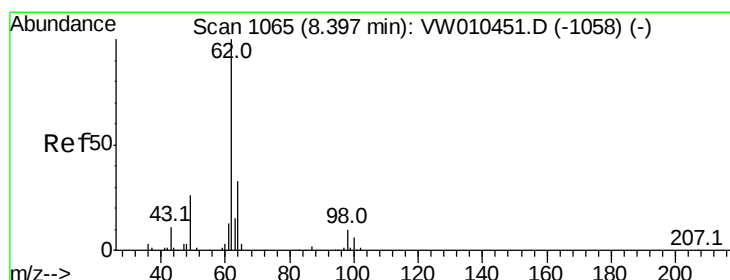
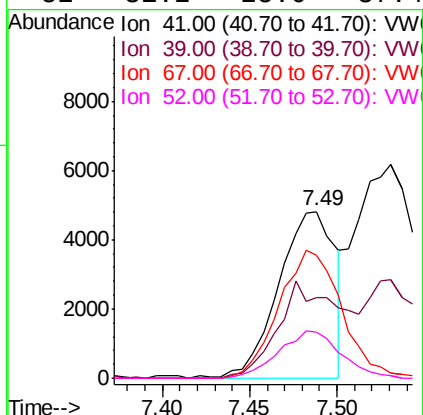
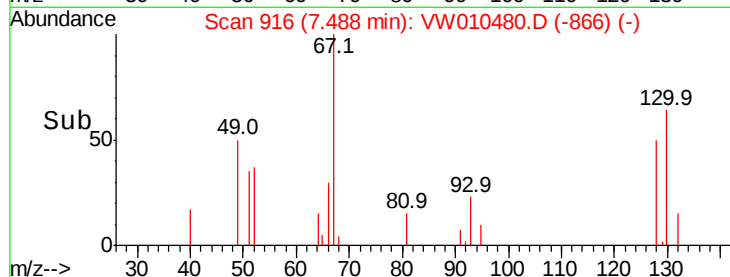
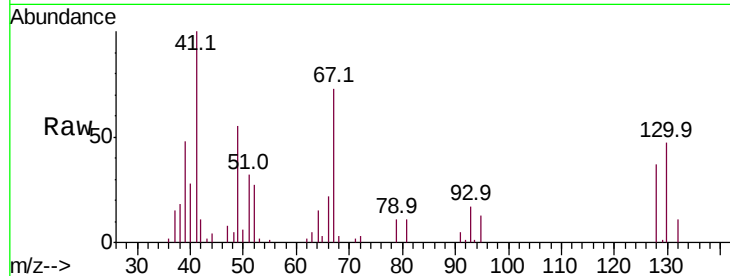
#41
Methacrylonitrile
Concen: 18.863 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	41	Resp	10917
Ion	Ratio	Lower	Upper
41	100		
39	66.7	47.4	71.2
67	85.0	65.5	98.3
52	31.2	25.0	37.4

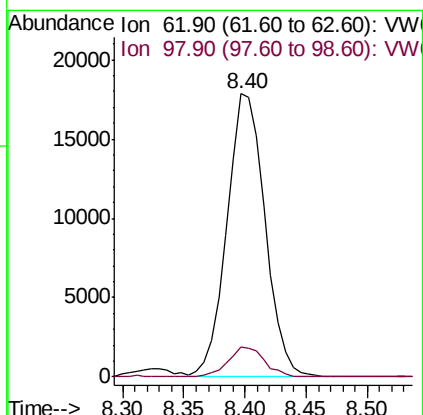
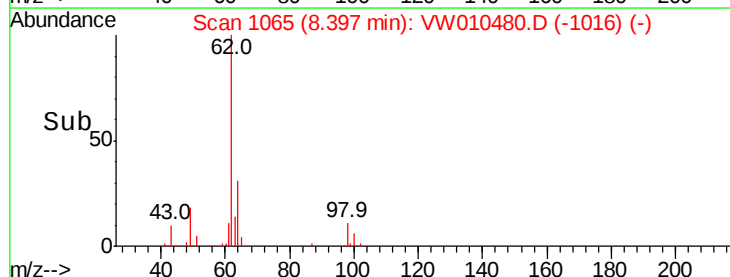
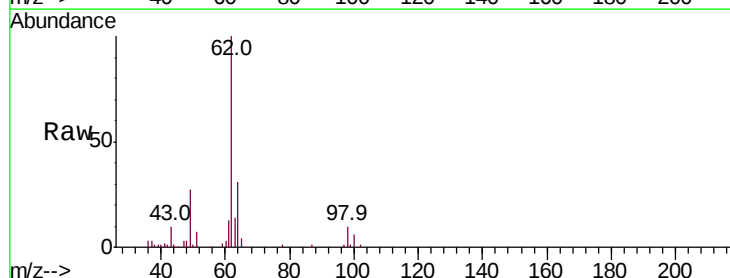
Manual Integrations
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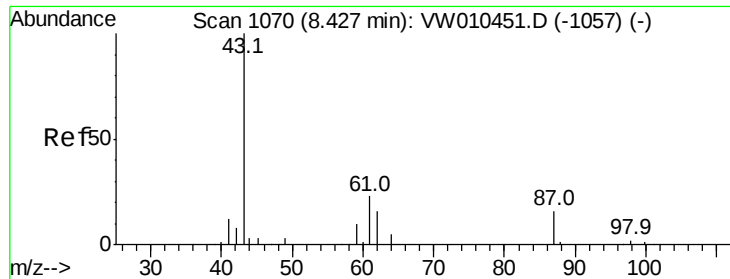
MMDadoda
5/22/2019 11:55:04 AM



#42
1,2-Dichloroethane
Concen: 21.153 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	62	Resp	38490
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.781 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

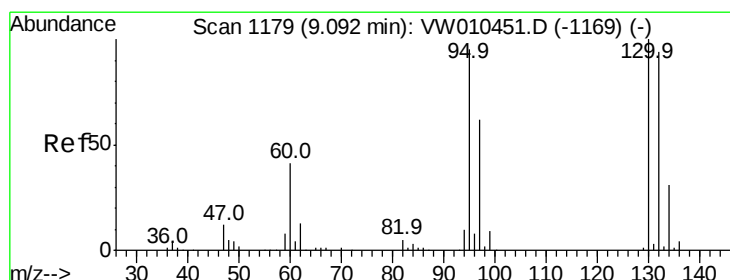
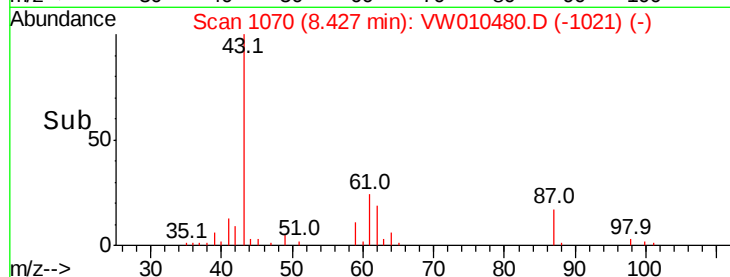
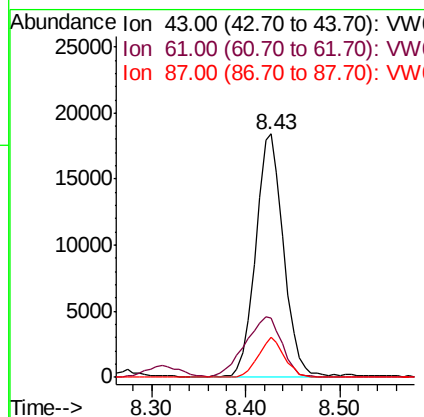
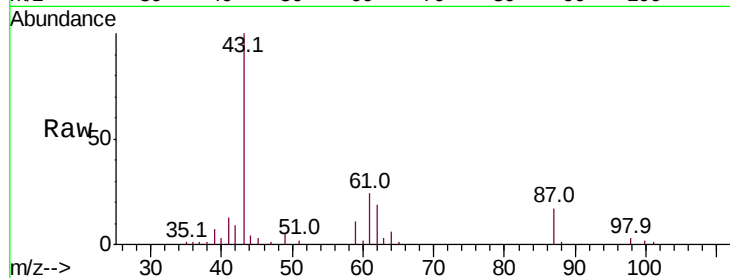
ClientSampleID :

VW0521SBS01

Tot Ion:	43	Resp:	38491
Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.4	38.2
87	15.3	12.7	19.1

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5/22/2019 11:55:04 AM



#44

Trichloroethene

Concen: 20.847 ug/l

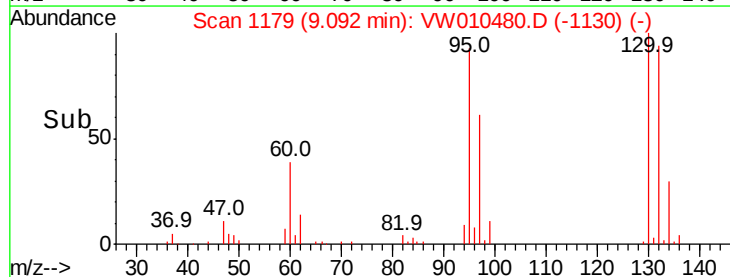
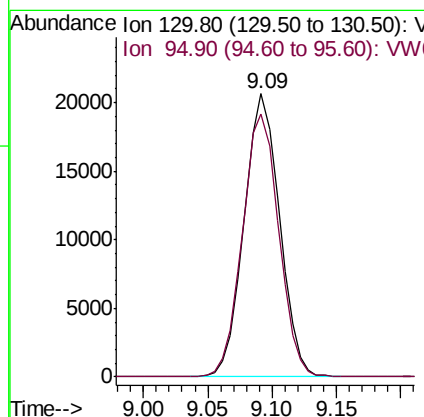
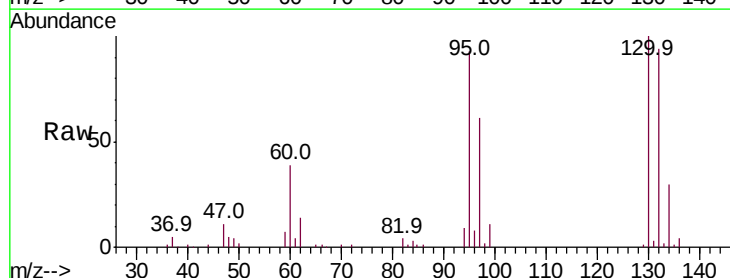
RT: 9.09 min Scan# 1179

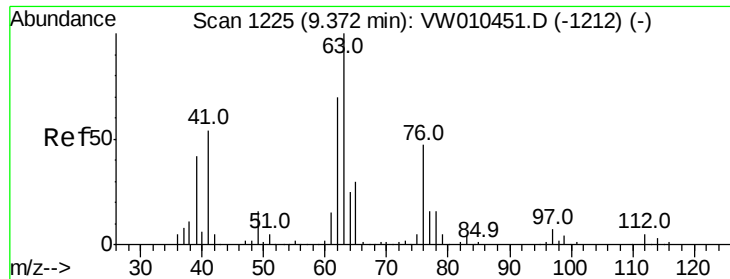
Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Tgt Ion:	130	Resp:	39402
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	189.6





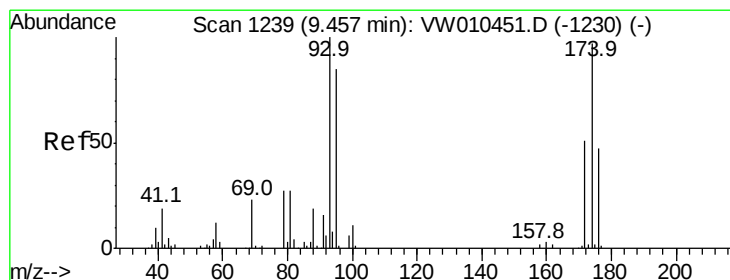
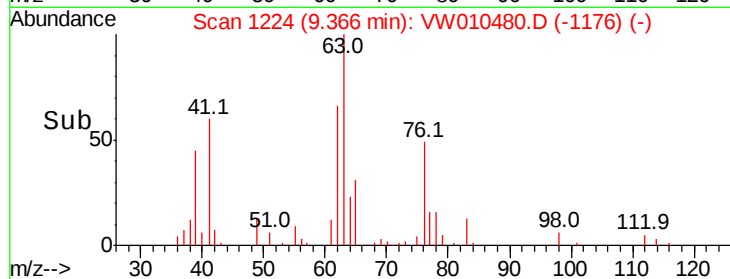
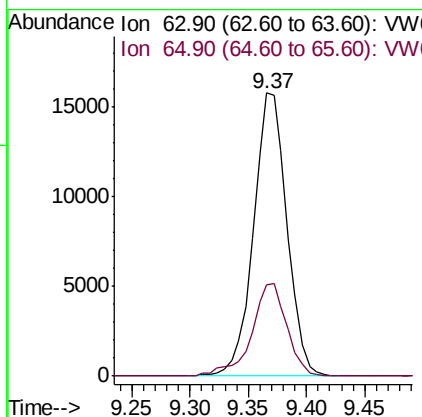
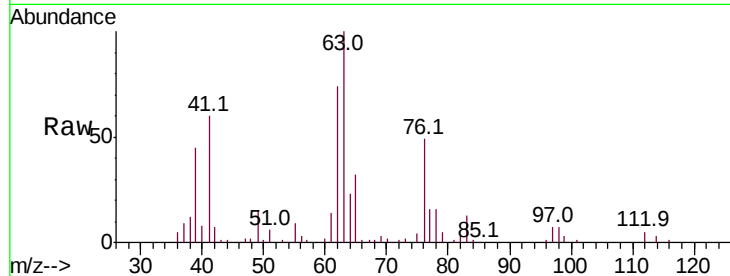
#45
 1,2-Dichloropropane
 Concen: 20.854 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion: 63 Resp: 31531
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.3 36.5

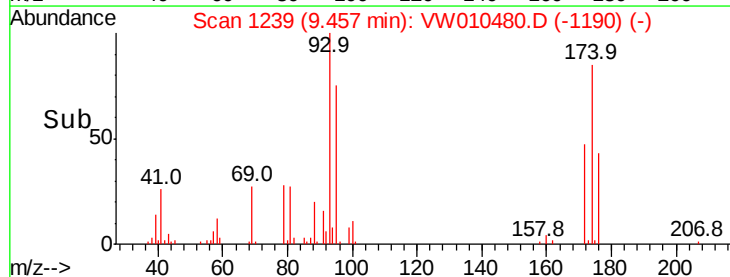
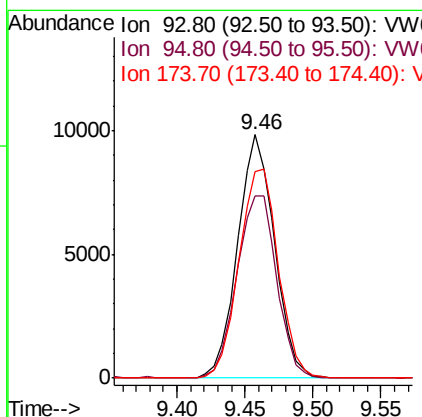
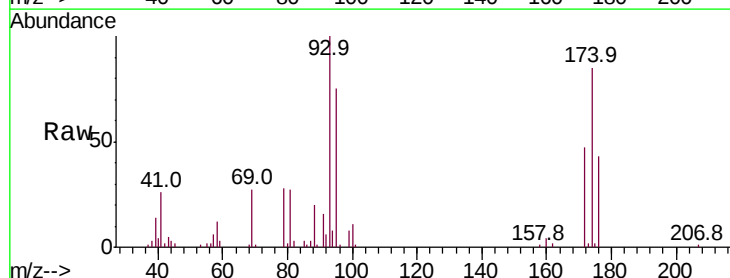
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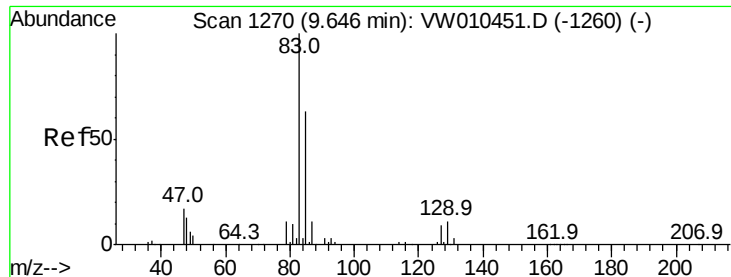
MMDadoda
 5/22/2019 11:55:04 AM



#46
 Dibromomethane
 Concen: 21.046 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion: 93 Resp: 18610
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.1 99.1
 174 92.0 77.1 115.7





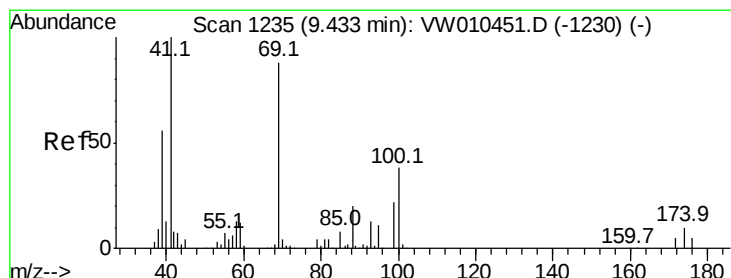
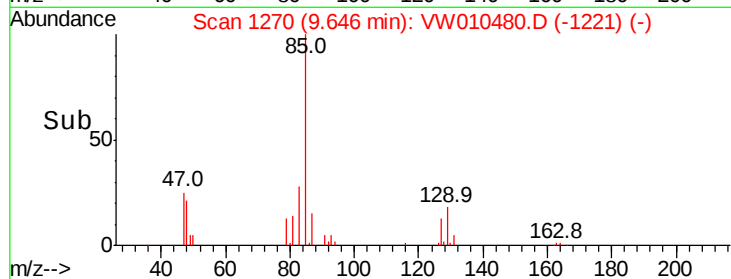
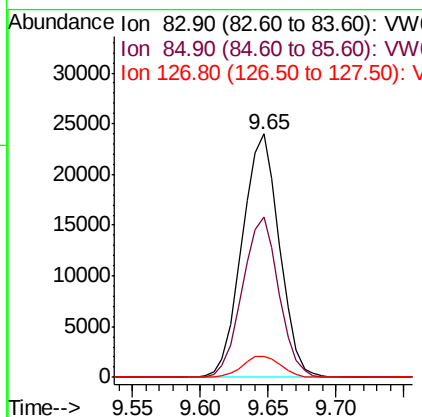
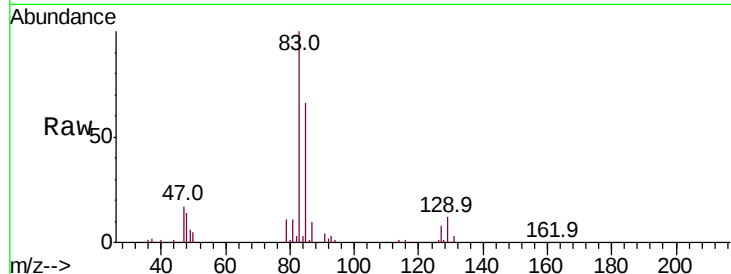
#47
Bromodichloromethane
Concen: 20.648 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	45881		
85	66.0		50.4	75.6
127	8.4		7.4	11.0

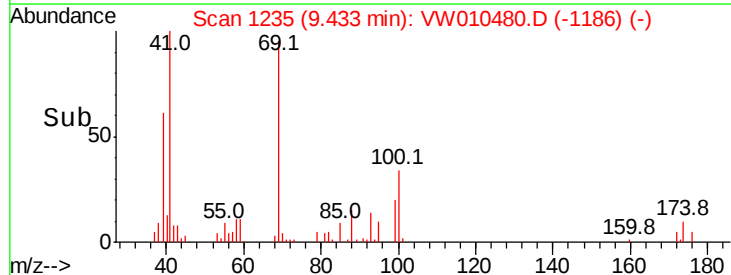
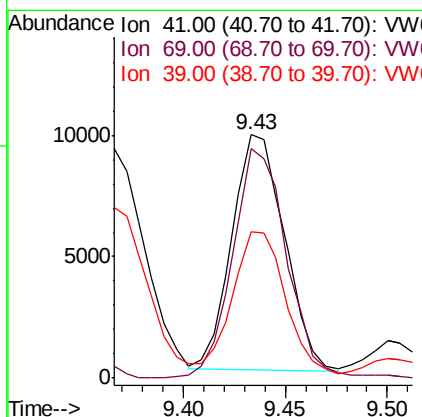
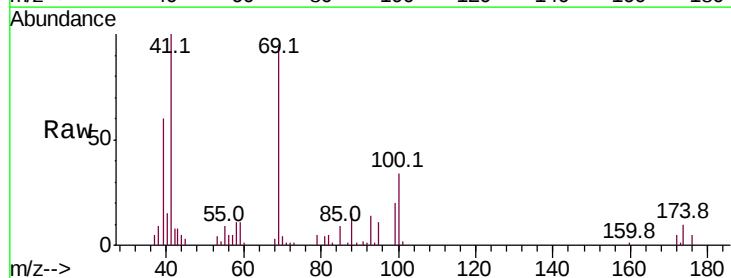
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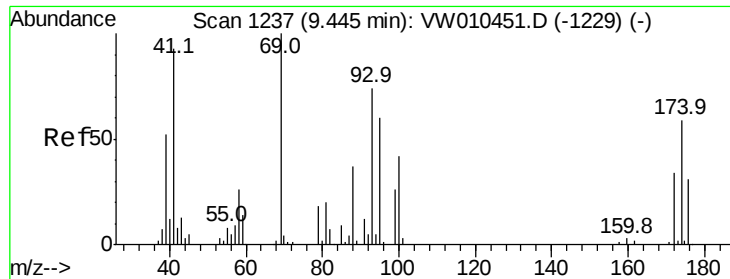
MMDadoda
5/22/2019 11:55:04 AM



#48
Methyl methacrylate
Concen: 19.520 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	17377		
69	100.4		77.6	116.4
39	64.0		49.8	74.8





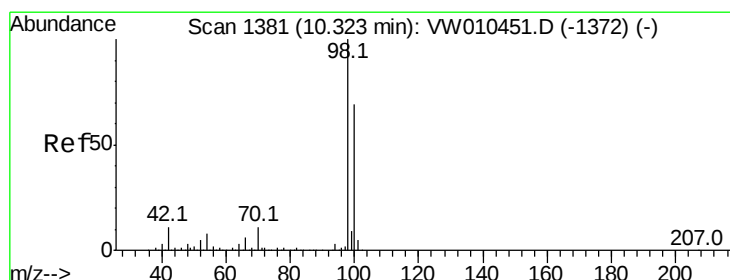
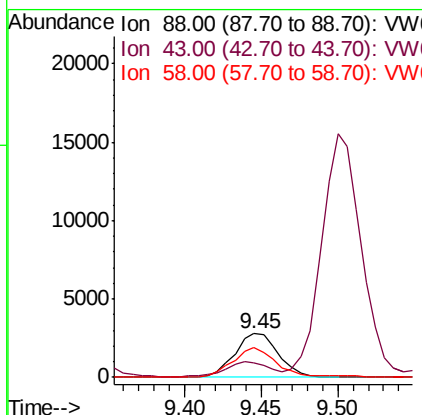
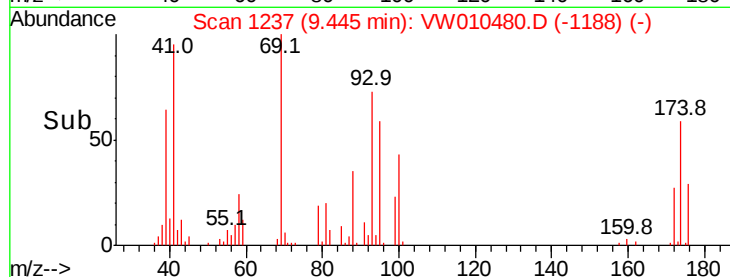
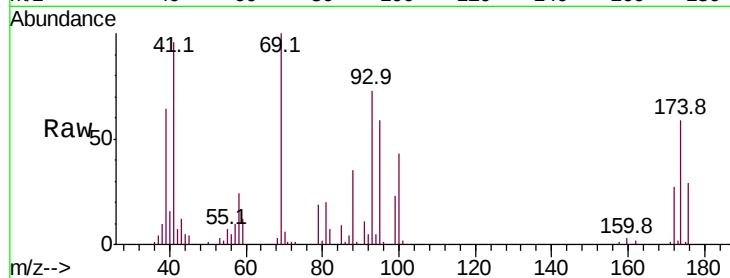
#49
1,4-Dioxane
Concen: 383.325 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.9	38.9
58	65.8	52.7	79.1

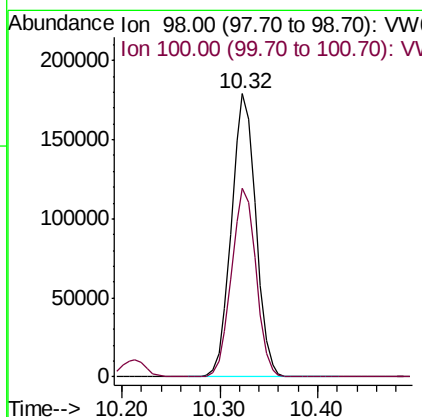
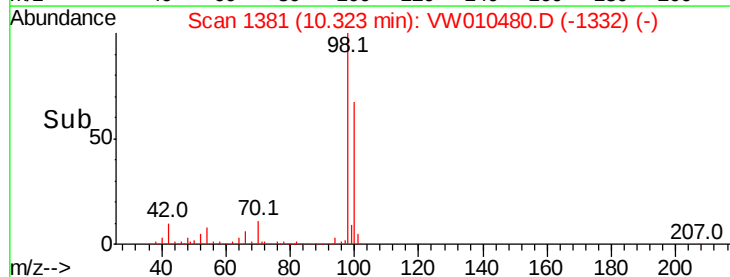
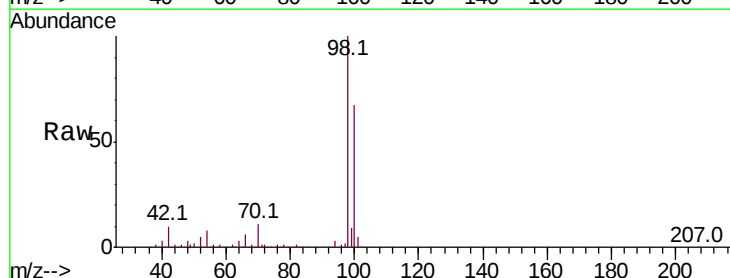
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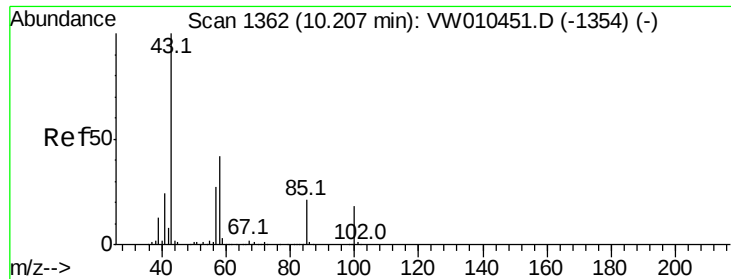
MMDadoda
5/22/2019 11:55:04 AM



#50
Toluene-d8
Concen: 54.414 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 99.448 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 43 Resp: 98059

Ion Ratio Lower Upper

43 100

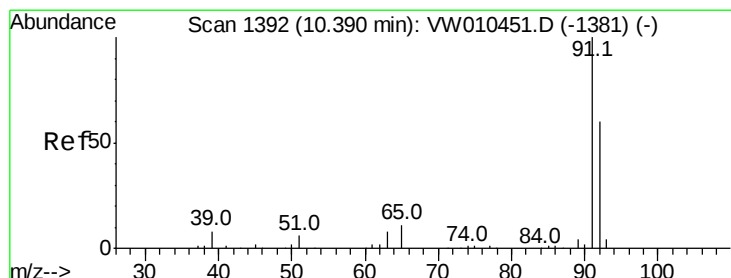
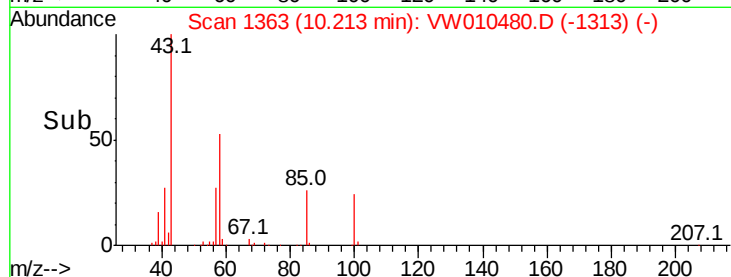
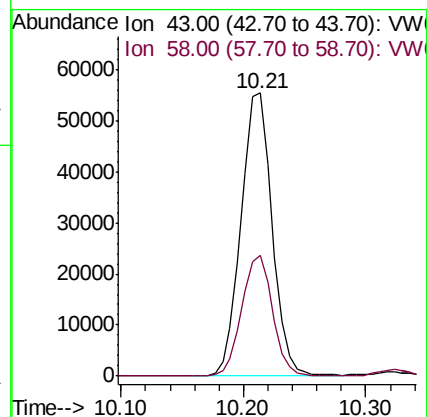
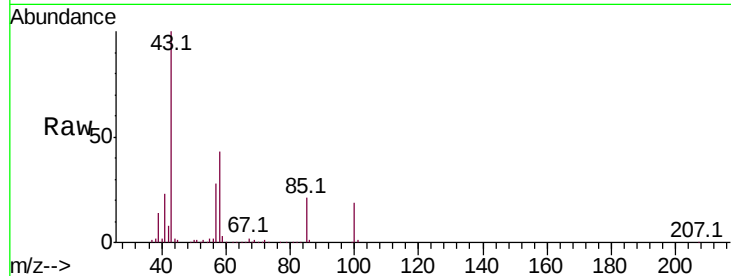
58 42.5 33.2 49.8

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MMDadoda

5/22/2019 11:55:04 AM



#52

Toluene

Concen: 21.319 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010480.D

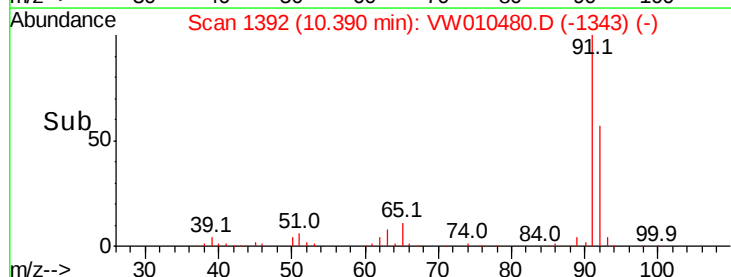
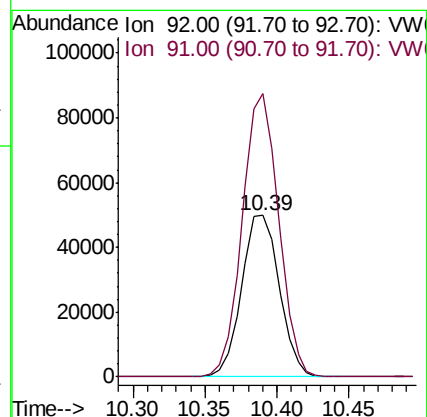
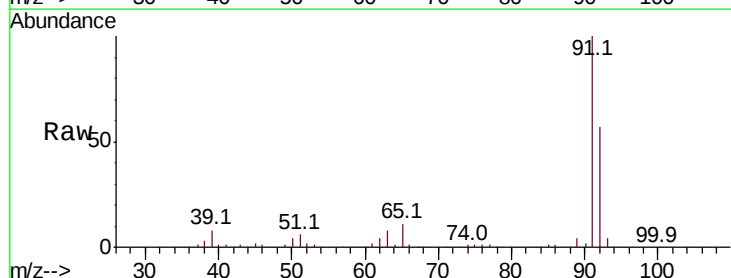
Acq: 21 May 2019 11:59

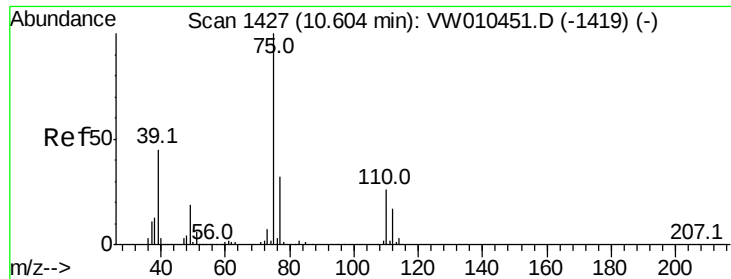
Tgt Ion: 92 Resp: 91150

Ion Ratio Lower Upper

92 100

91 168.7 135.4 203.0





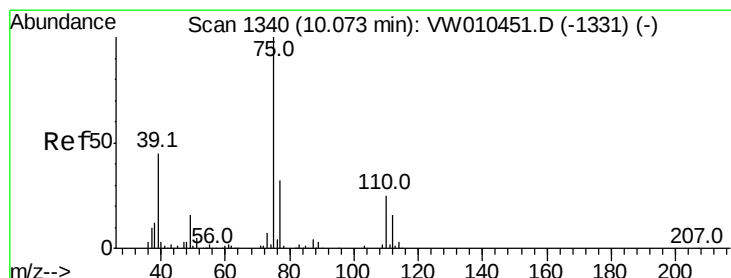
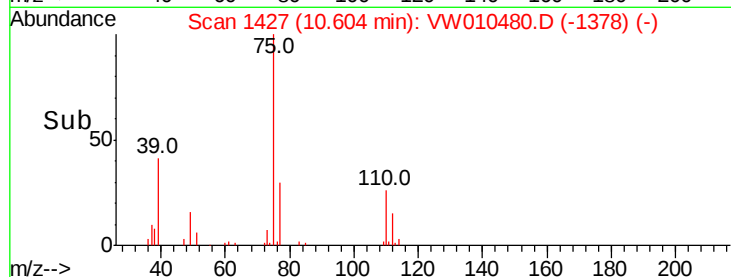
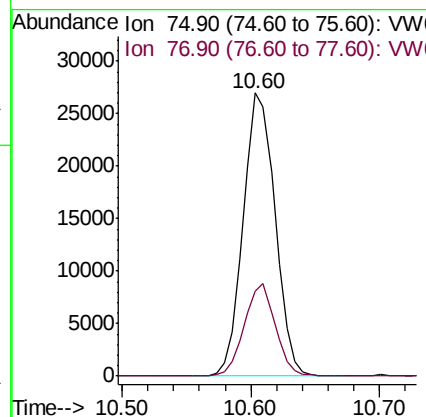
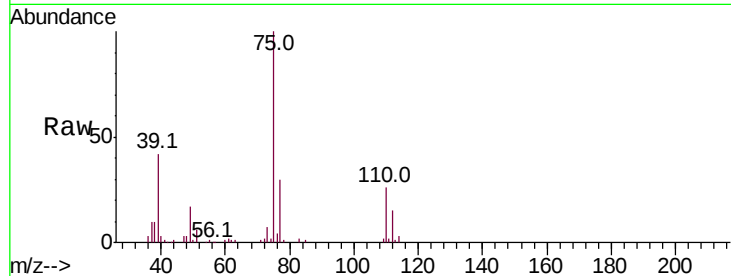
#53
 t-1,3-Dichloropropene
 Concen: 20.548 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion: 75 Resp: 46243
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.4 38.0

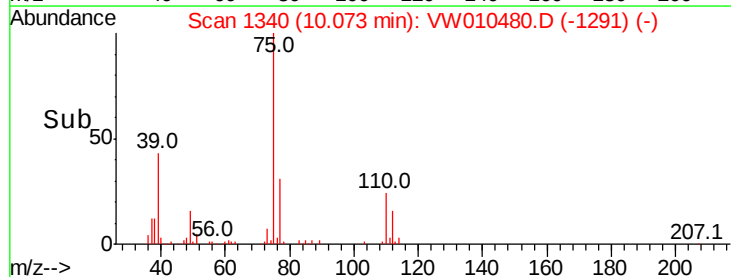
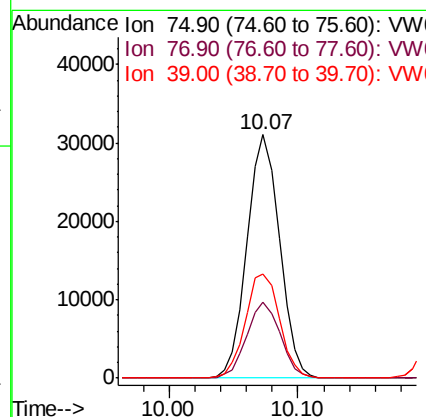
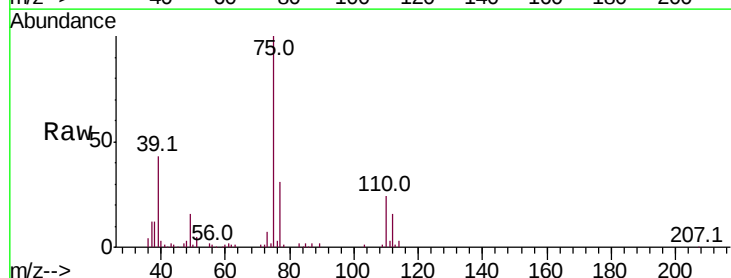
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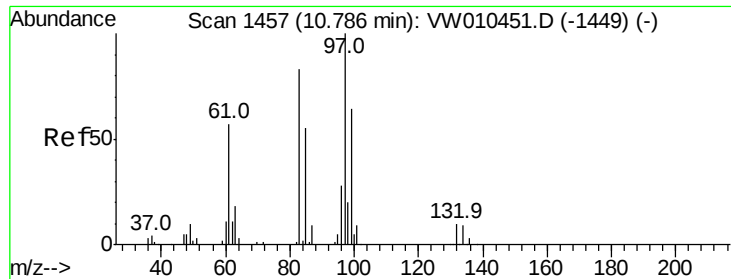
MMDadoda
 5/22/2019 11:55:04 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.136 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion: 75 Resp: 54324
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5
 39 42.9 36.2 54.4





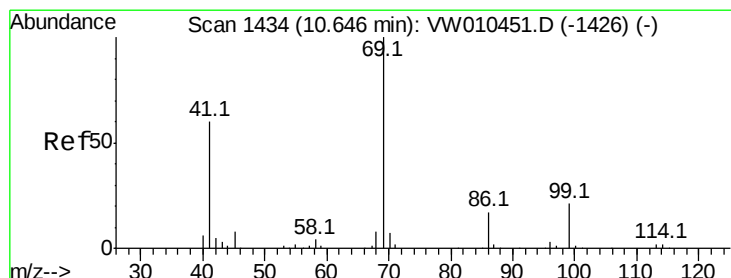
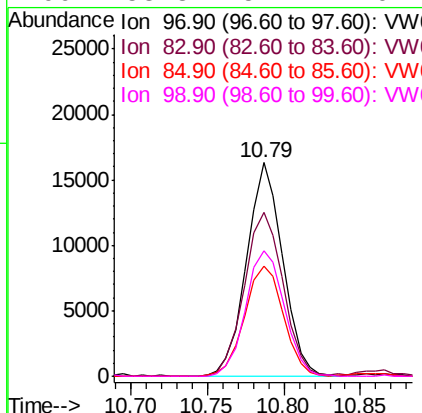
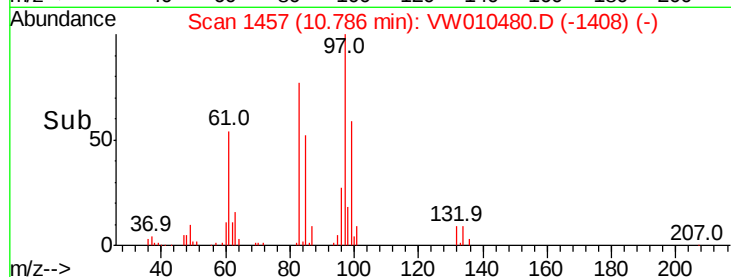
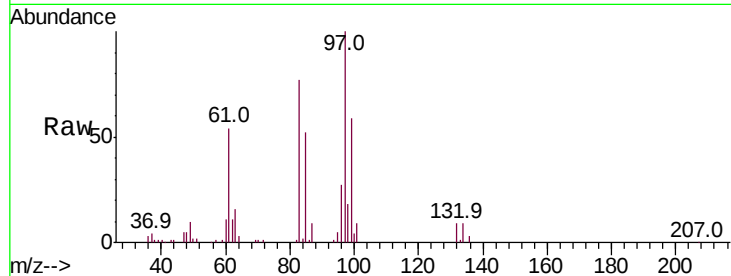
#55
 1,1,2-Trichloroethane
 Concen: 21.139 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		26879		
83	76.8	66.1	99.1		
85	51.7	44.2	66.4		
99	58.8	51.1	76.7		

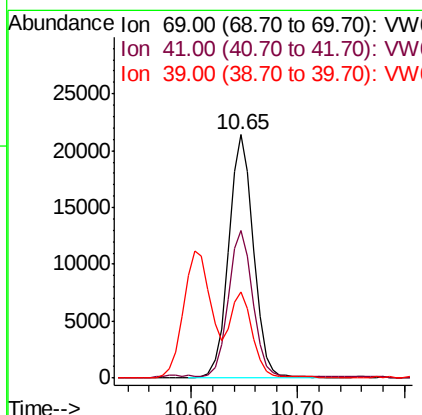
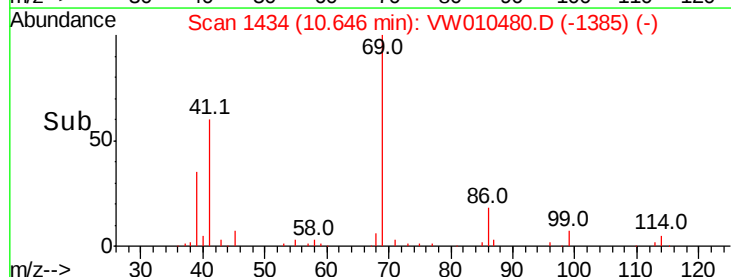
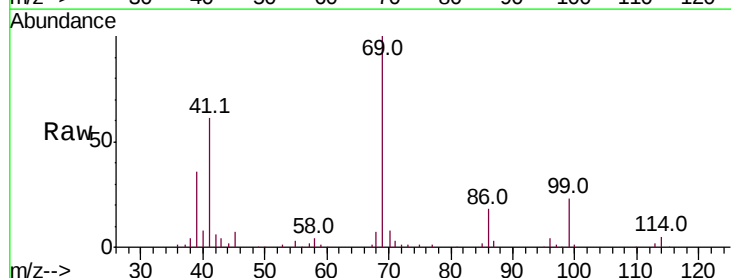
Manual Integrations
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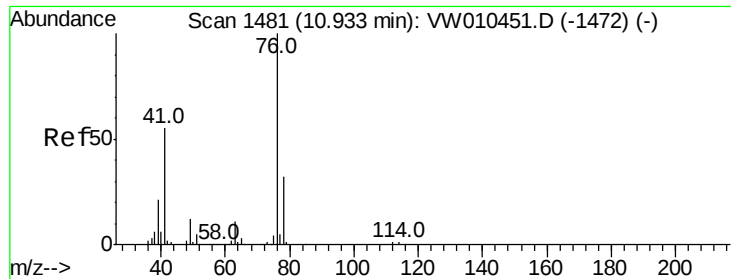
MMDadoda
 5/22/2019 11:55:04 AM



#56
 Ethyl methacrylate
 Concen: 19.908 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34912		
41	59.8	47.7	71.5		
39	32.4	25.3	37.9		





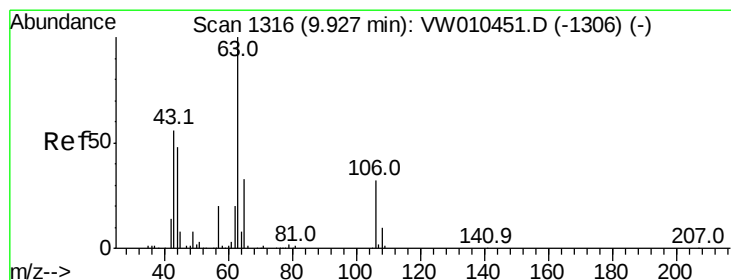
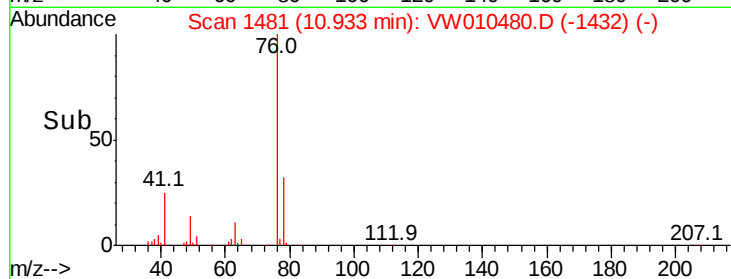
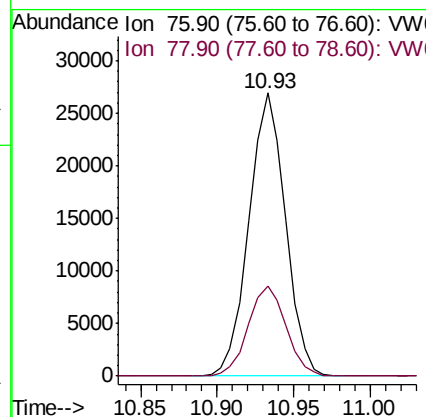
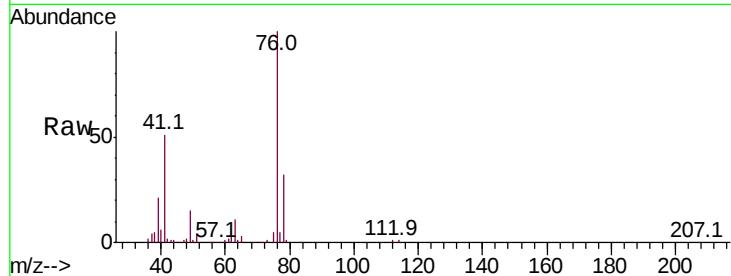
#57
 1,3-Dichloropropane
 Concen: 21.003 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion: 76 Resp: 44736
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

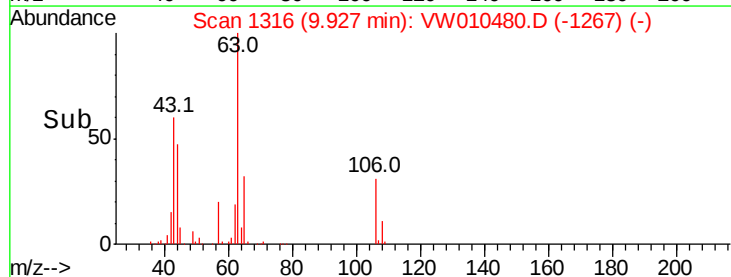
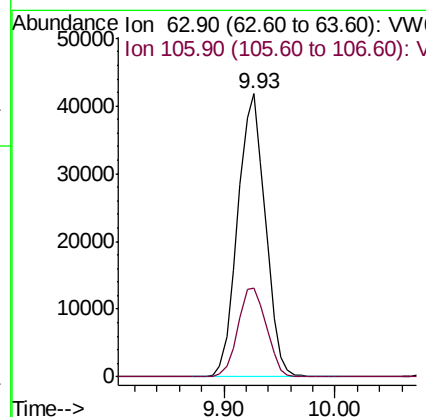
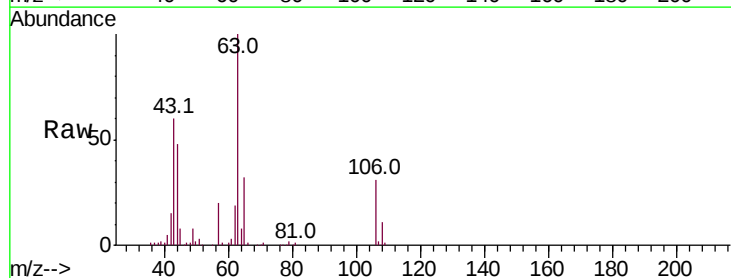
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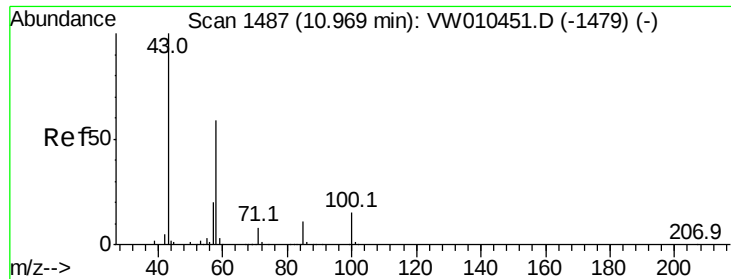
MMDadoda
 5/22/2019 11:55:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.729 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion: 63 Resp: 72028
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.8 38.6





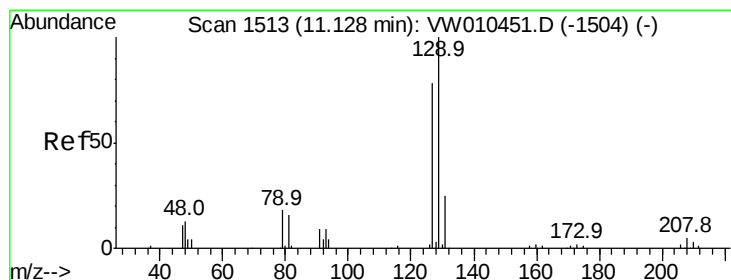
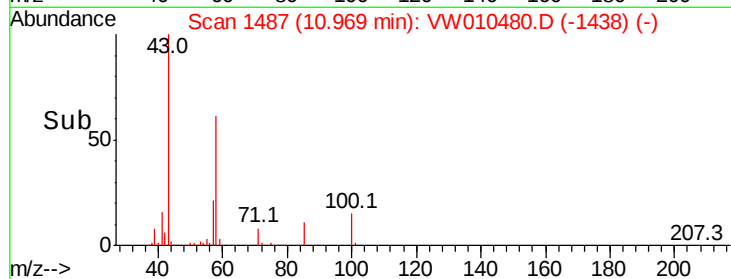
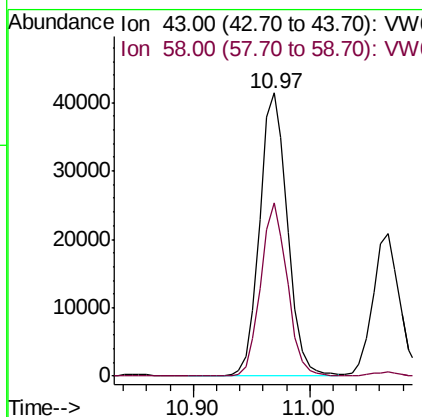
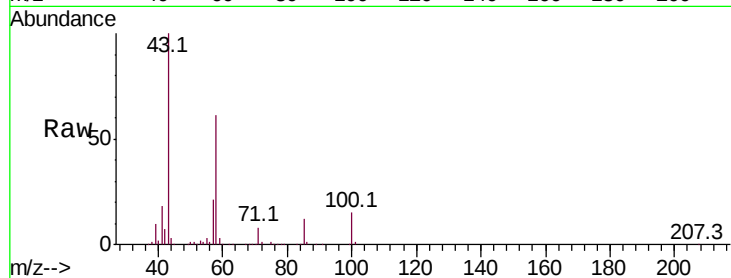
#59
2-Hexanone
Concen: 98.202 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion: 43 Resp: 69074
Ion Ratio Lower Upper
43 100
58 58.5 28.9 86.8

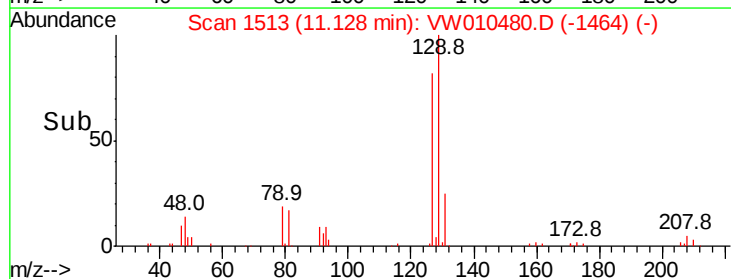
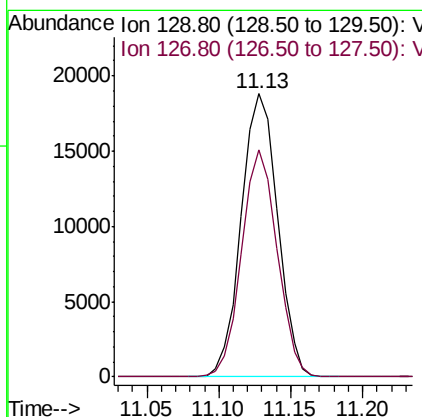
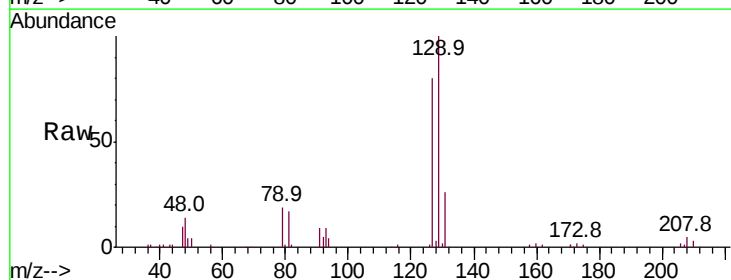
Manual Integrations
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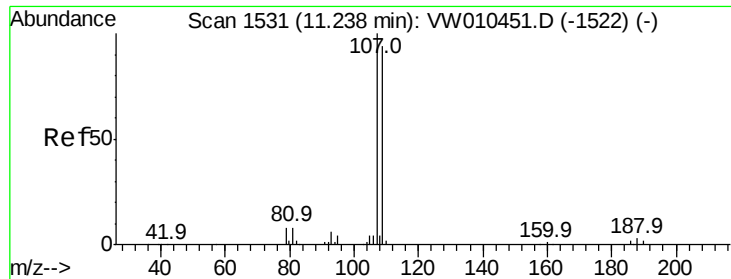
MMDadoda
5/22/2019 11:55:04 AM



#60
Dibromochloromethane
Concen: 20.493 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion: 129 Resp: 32979
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7





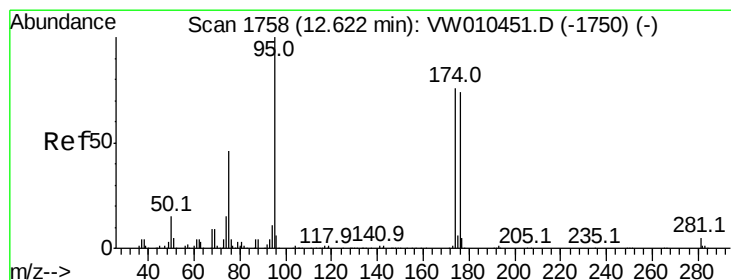
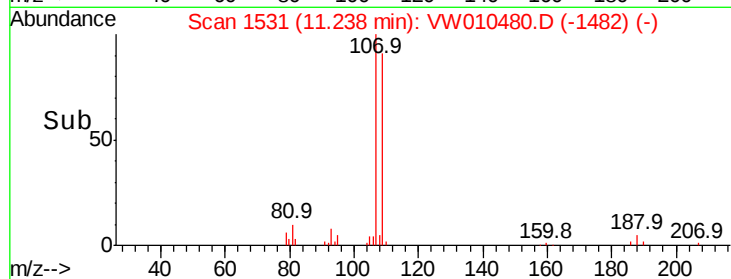
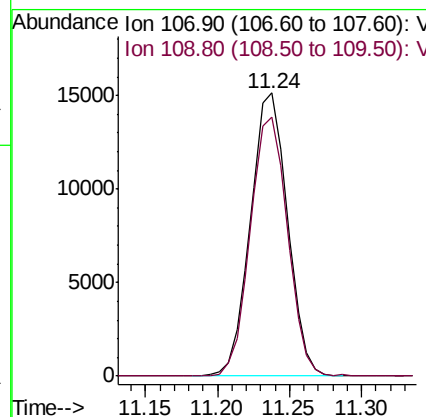
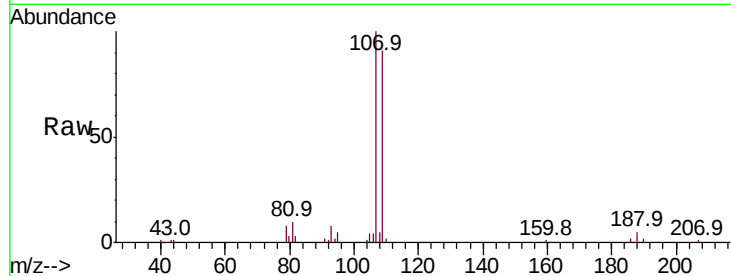
#61
 1,2-Dibromoethane
 Concen: 20.859 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.0	112.4

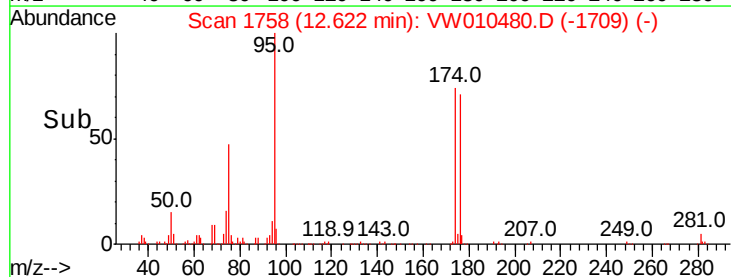
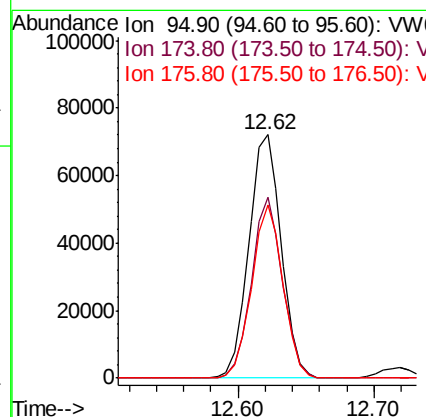
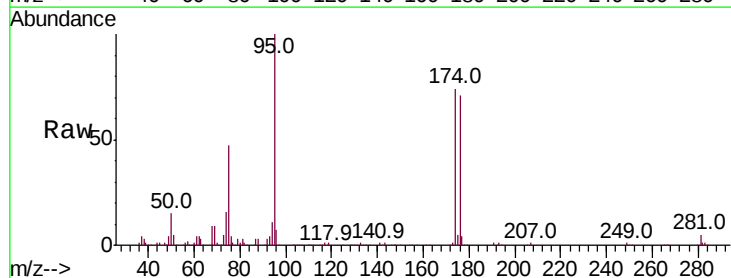
Manual Integrations
 APPROVED

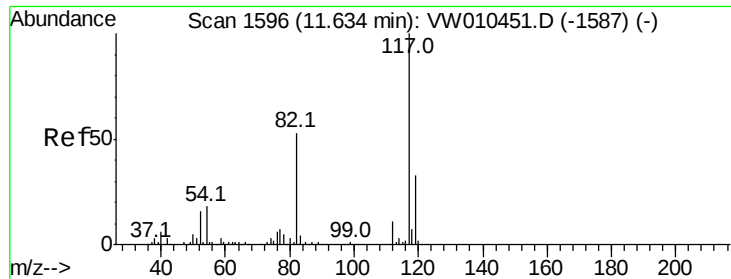
MMDadoda
 5/22/2019 11:55:04 AM



#62
 4-Bromofluorobenzene
 Concen: 52.814 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	148.6
176	68.8	0.0	144.2





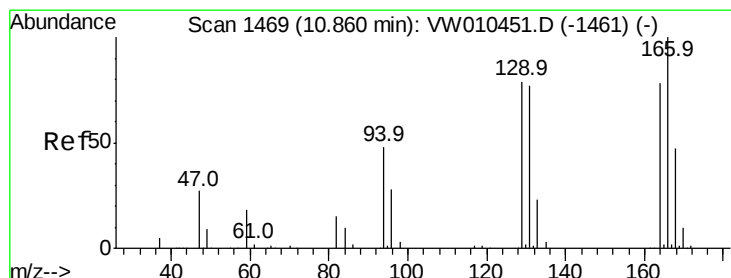
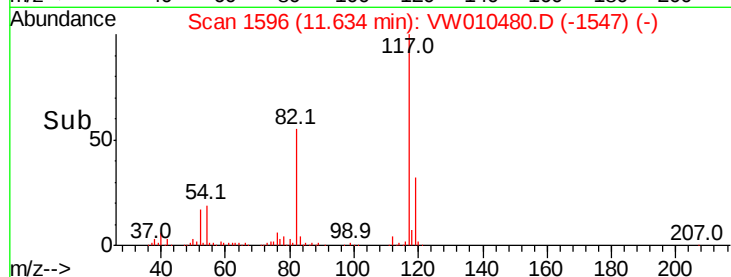
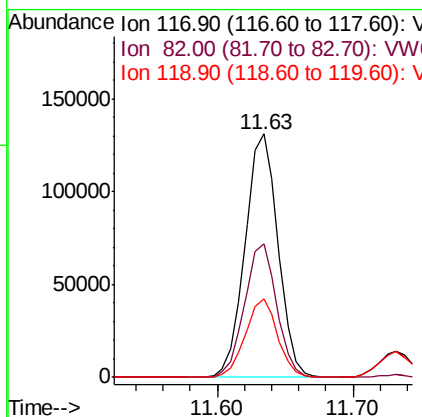
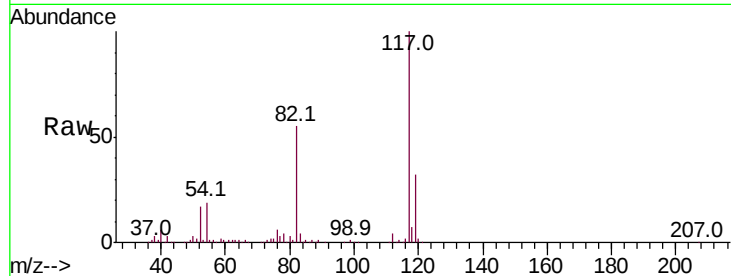
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	221826		
82	55.0		42.8	64.2
119	32.1		26.3	39.5

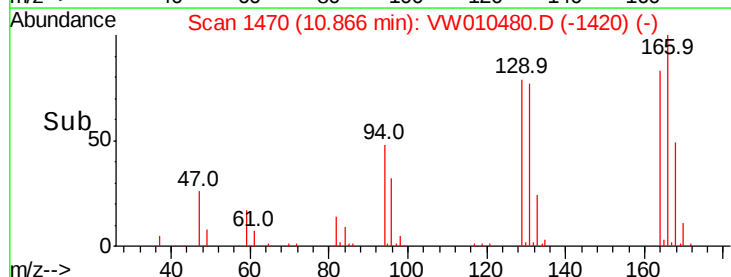
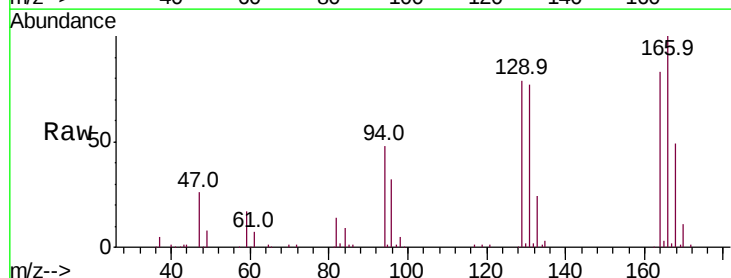
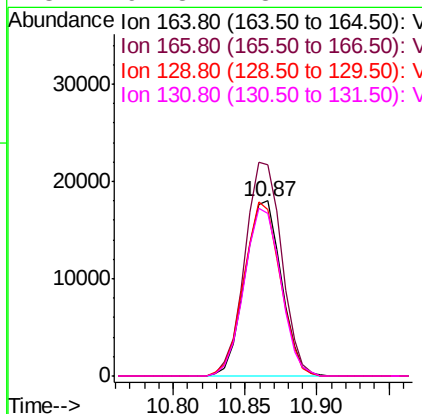
Manual Integrations
APPROVED

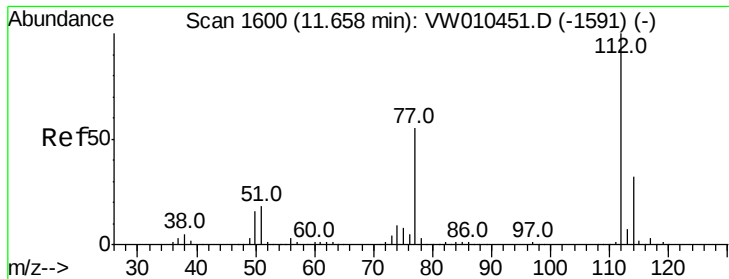
MMDadoda
5/22/2019 11:55:04 AM



#64
Tetrachloroethene
Concen: 20.324 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31428		
166	120.8		101.9	152.9
129	94.9		80.6	121.0
131	92.8		78.2	117.2





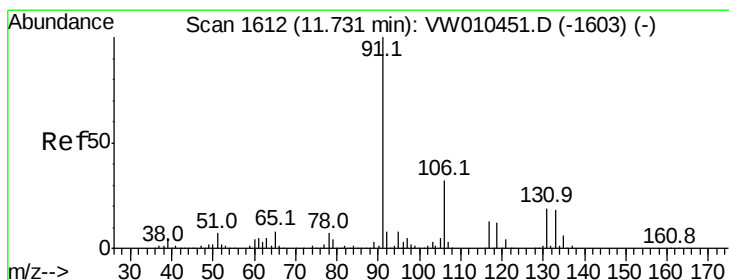
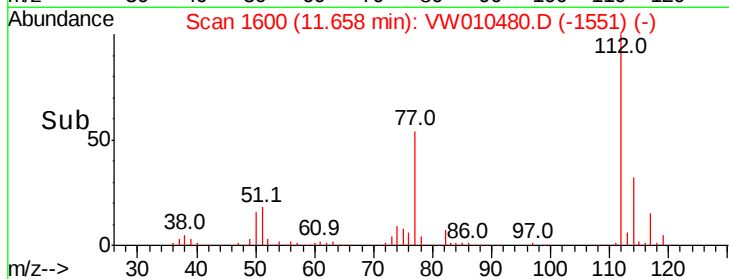
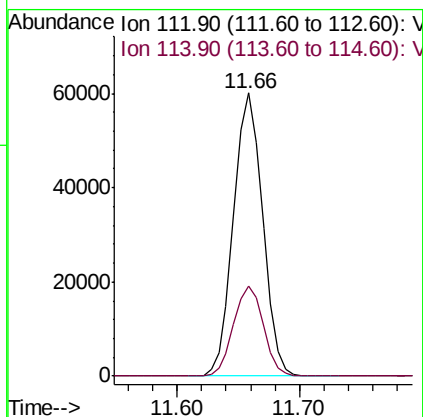
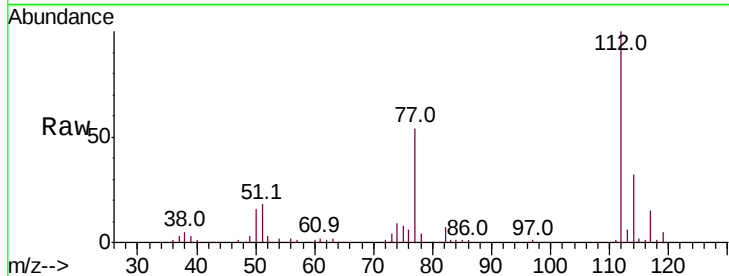
#65
Chlorobenzene
Concen: 21.020 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion:112 Resp: 99376
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

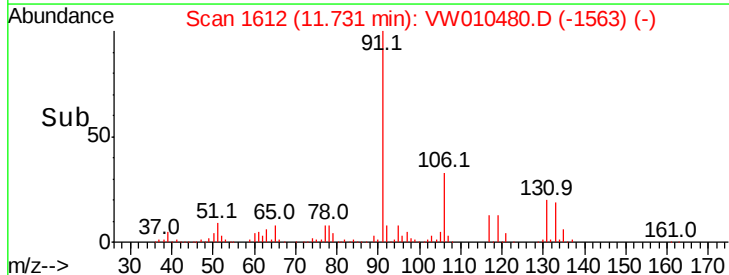
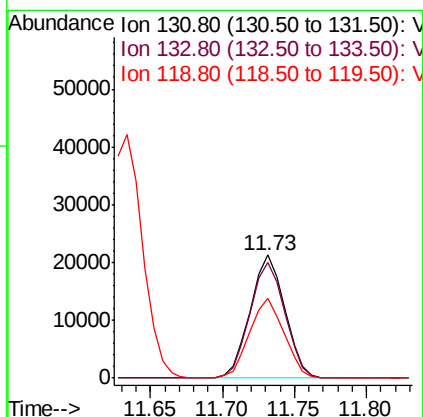
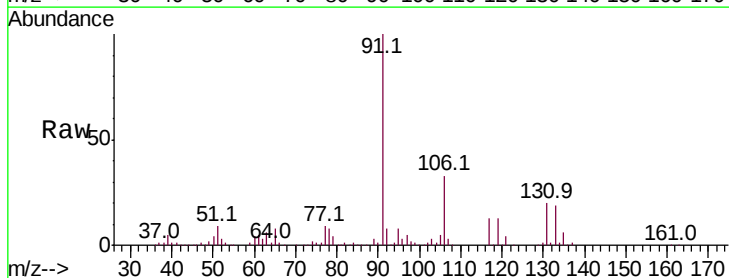
Manual Integrations
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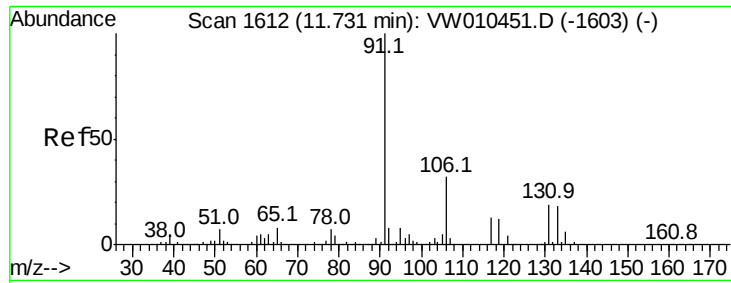
MMDadoda
5/22/2019 11:55:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.878 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion:131 Resp: 35358
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 65.0 32.1 96.5





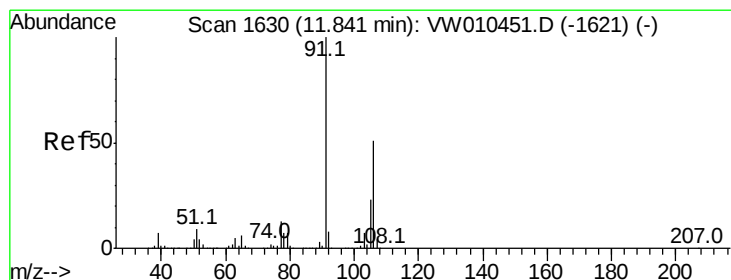
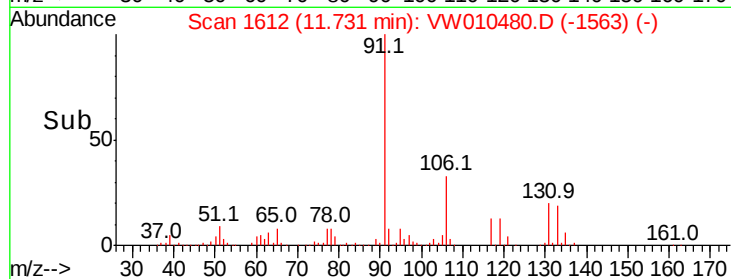
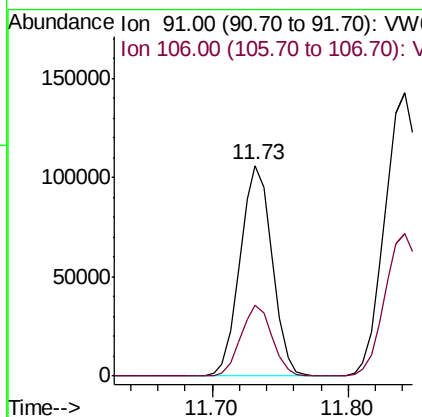
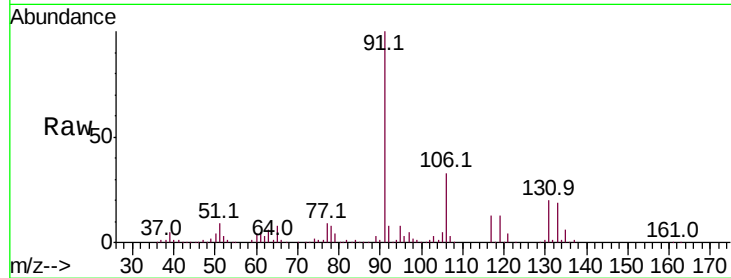
#67
Ethyl Benzene
Concen: 20.934 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.4	25.9	38.9

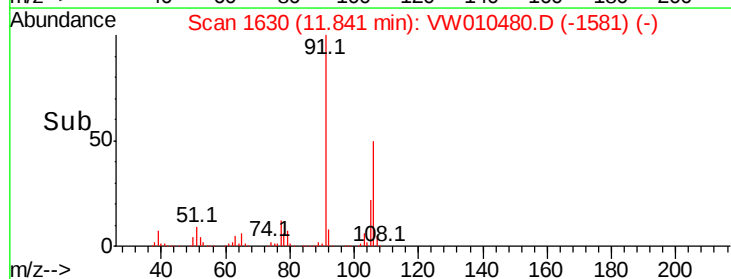
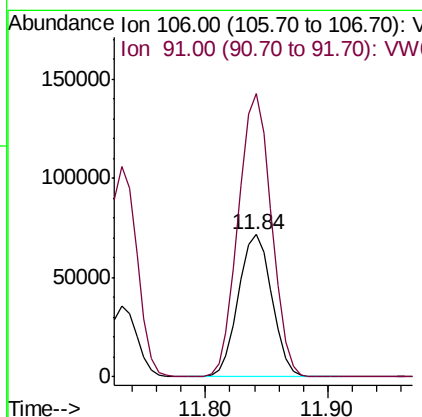
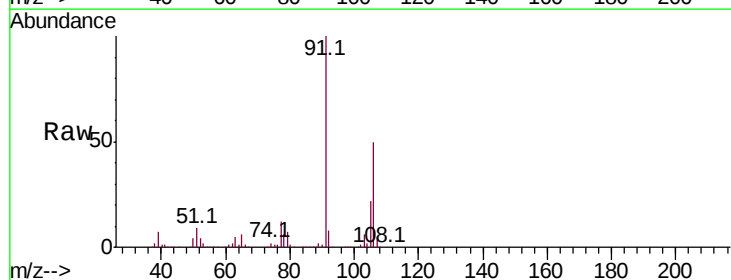
Manual Integrations
APPROVED

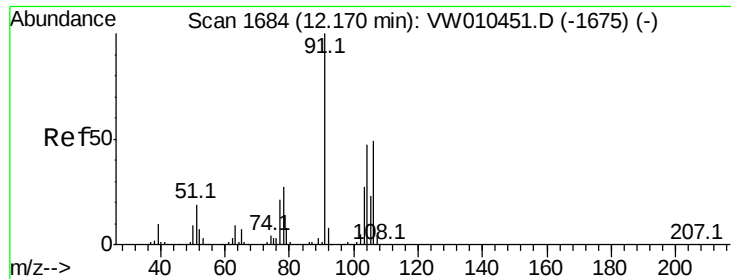
MMDadoda
5/22/2019 11:55:04 AM



#68
m/p-Xylenes
Concen: 41.759 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.8	156.0	234.0





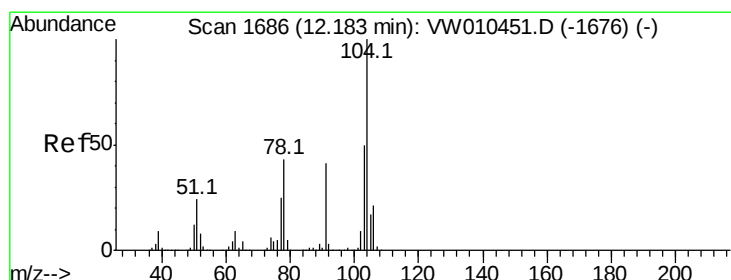
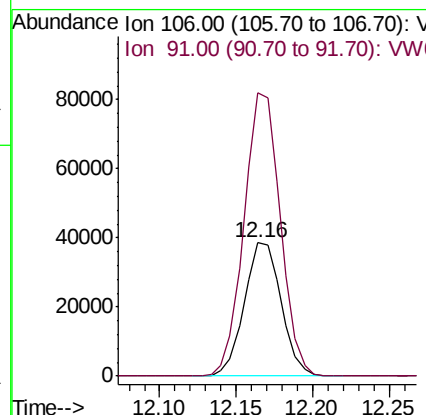
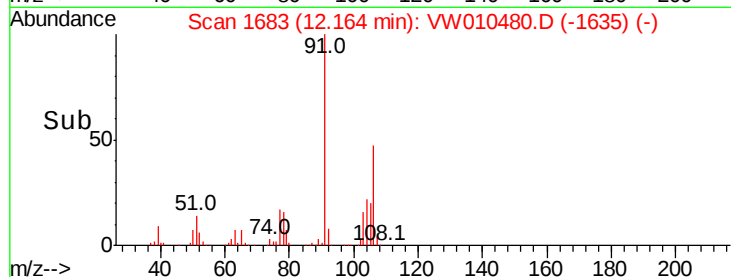
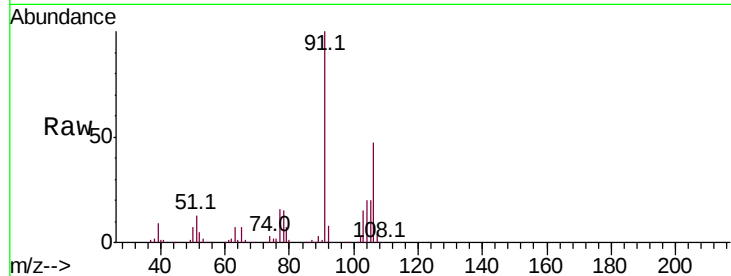
#69
o-Xylene
Concen: 20.797 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion:106 Resp: 64509
Ion Ratio Lower Upper
106 100
91 210.0 103.2 309.4

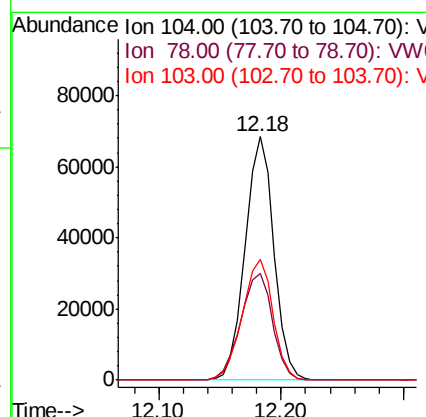
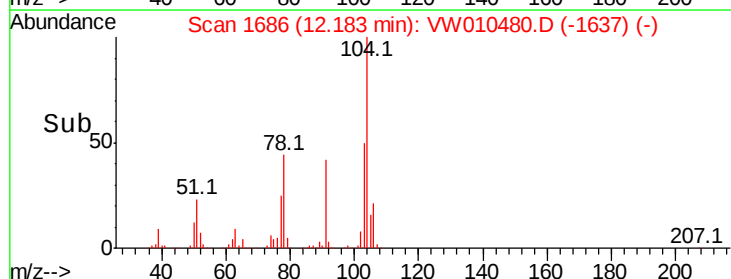
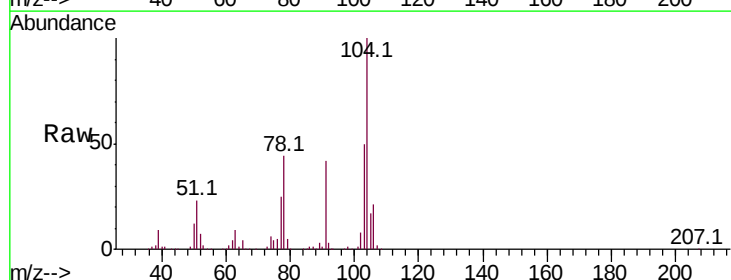
Manual Integrations
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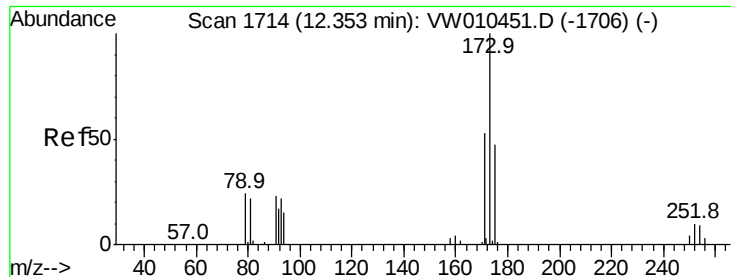
MMDadoda
5/22/2019 11:55:04 AM



#70
Styrene
Concen: 21.122 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion:104 Resp: 111166
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 53.2 43.0 64.6





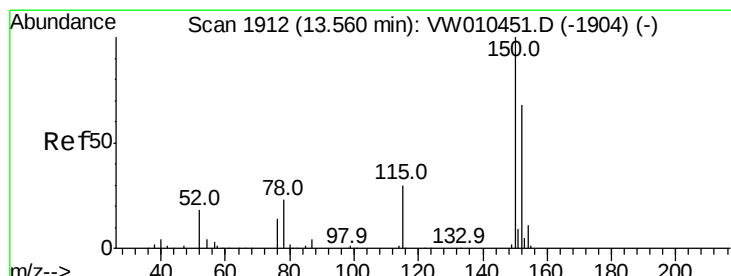
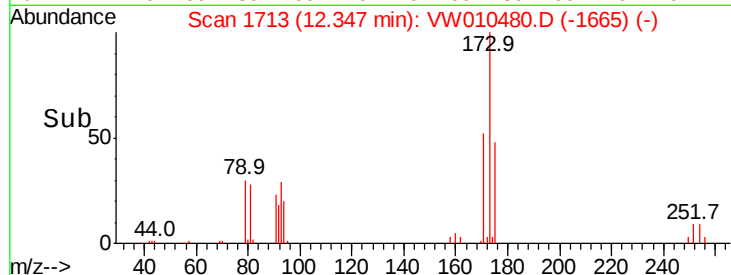
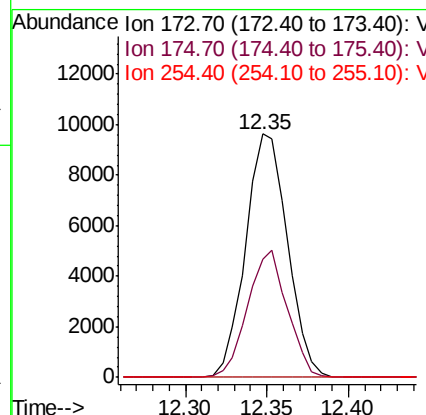
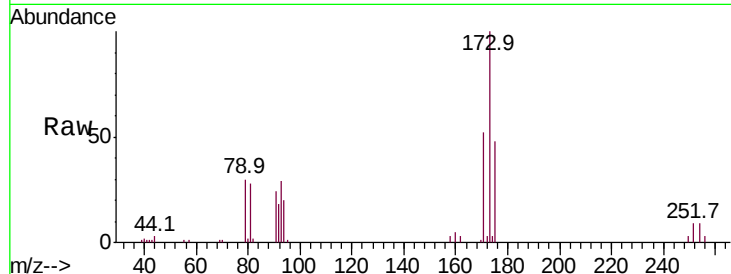
#71
Bromoform
Concen: 18.506 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.0	0.0

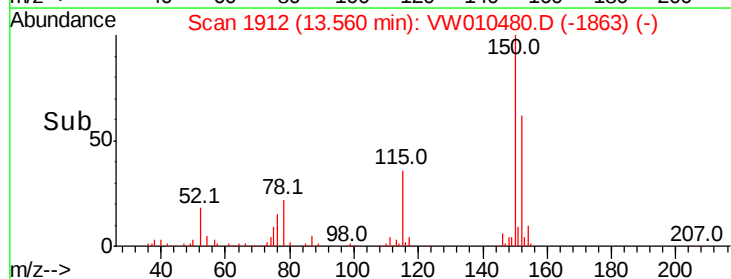
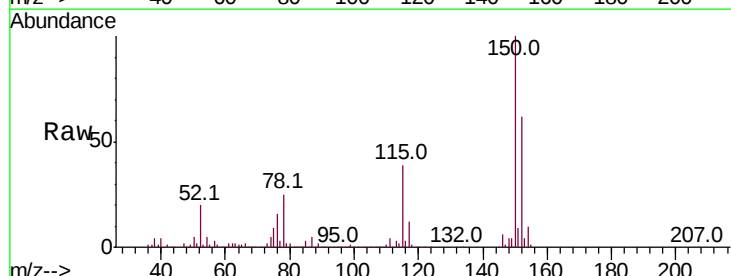
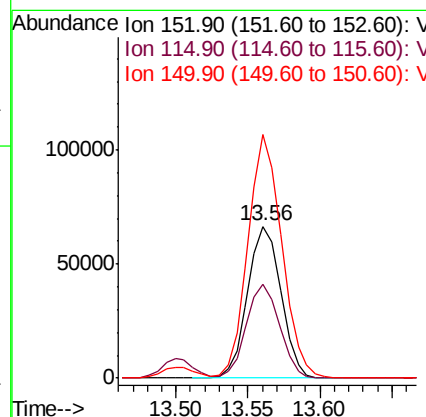
Manual Integrations
APPROVED

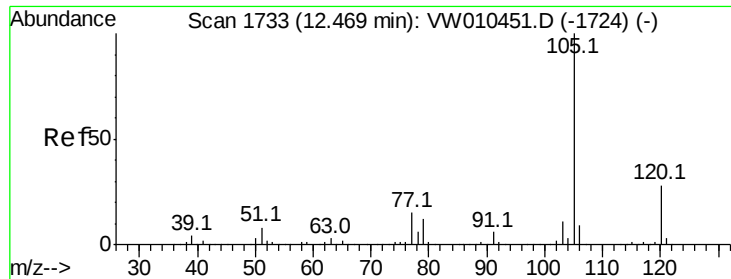
MMDadoda
5/22/2019 11:55:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.3	91.0
150	162.6	0.0	349.8





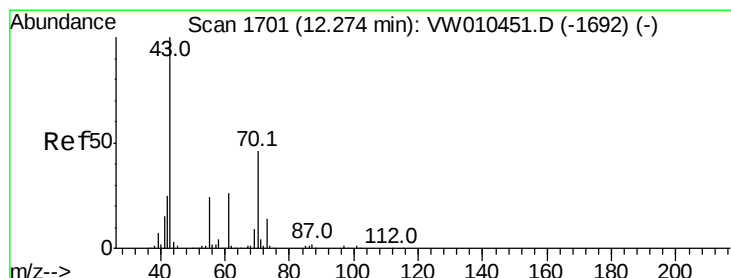
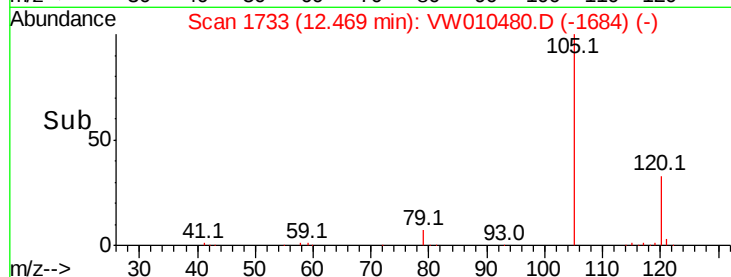
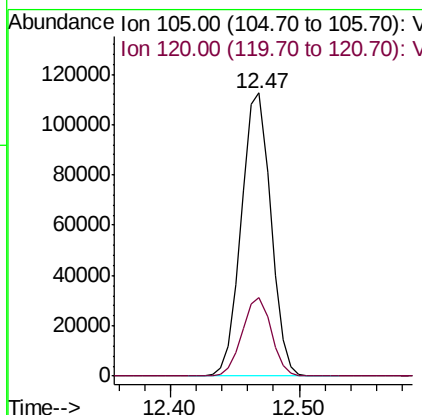
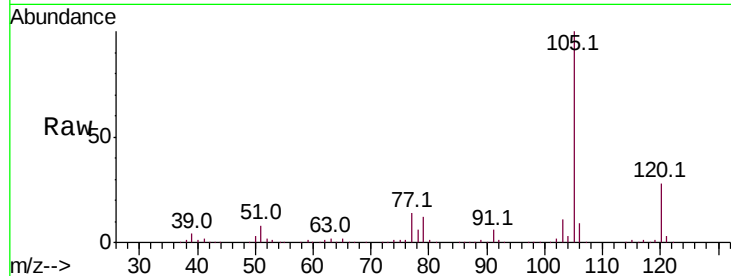
#73
Isopropylbenzene
Concen: 21.018 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion:105 Resp: 178184
Ion Ratio Lower Upper
105 100
120 27.3 13.9 41.7

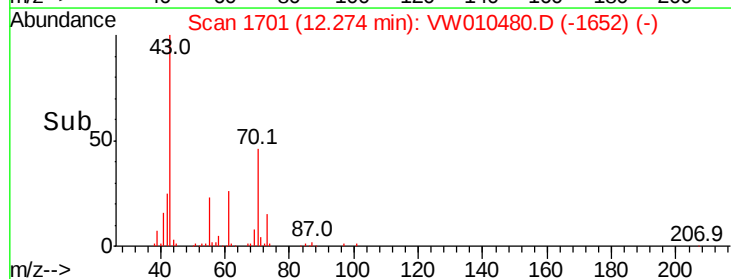
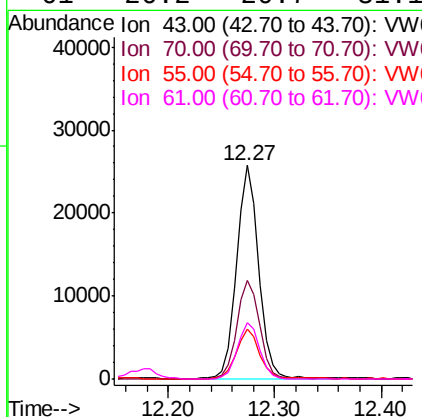
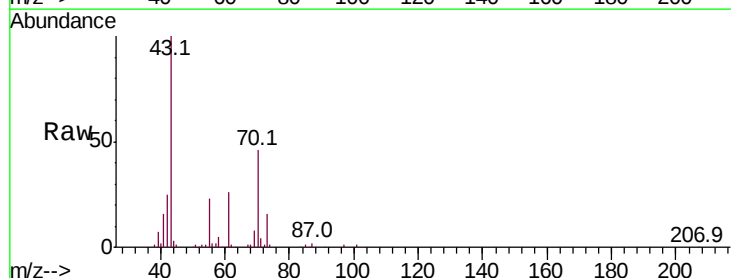
Manual Integrations
APPROVED

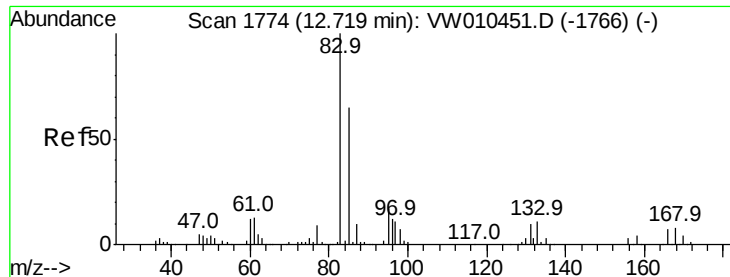
MMDadoda
5/22/2019 11:55:04 AM



#74
N-ethyl acetate
Concen: 19.447 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion: 43 Resp: 37779
Ion Ratio Lower Upper
43 100
70 47.5 37.1 55.7
55 24.5 19.6 29.4
61 26.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.039 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

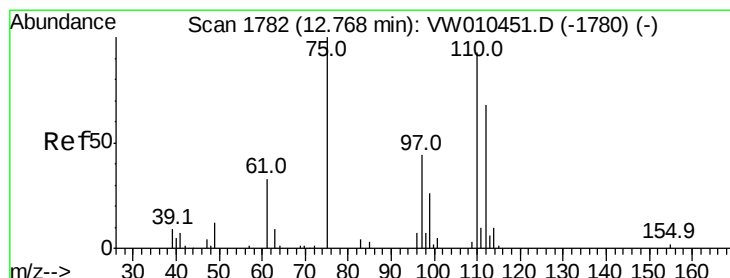
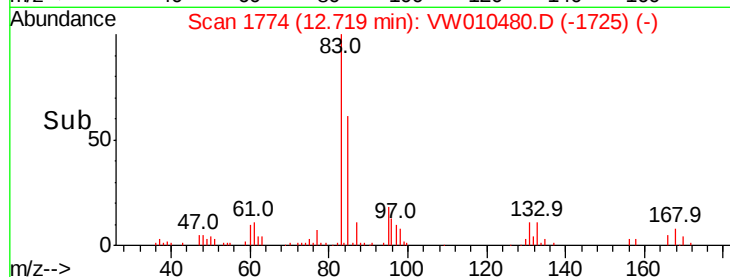
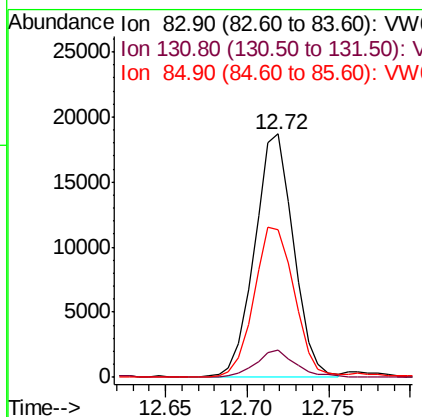
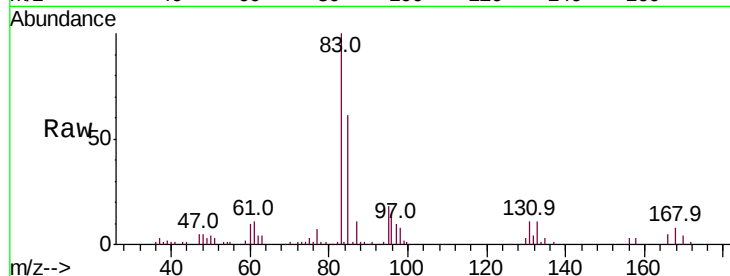
ClientSampleId :

VW0521SBS01

Tot Ion:	83	Resp:	30900
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.4	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.906 ug/l m

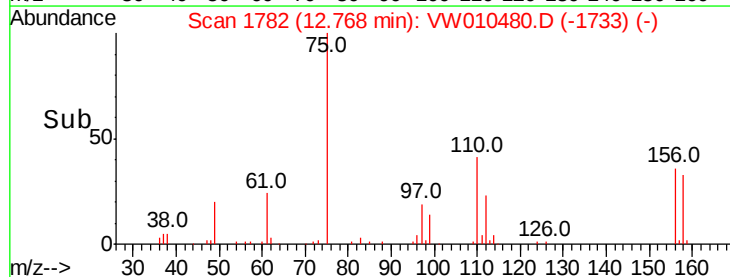
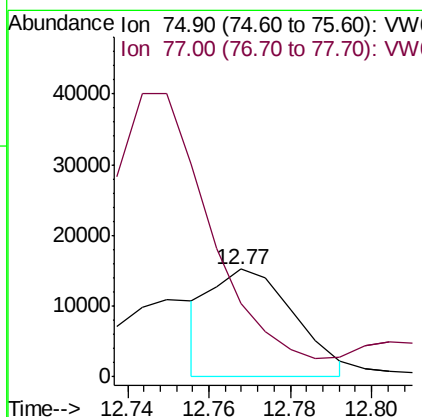
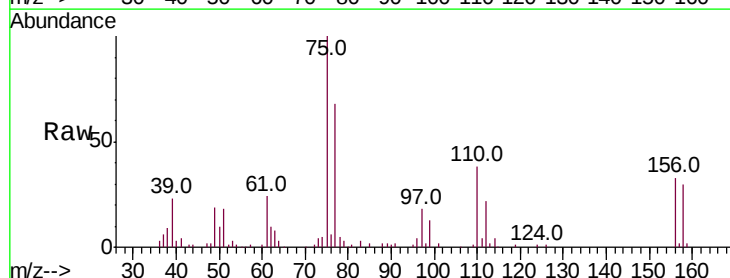
RT: 12.77 min Scan# 1782

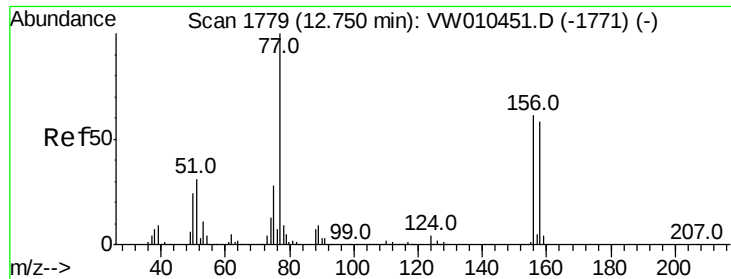
Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Tgt Ion:	75	Resp:	21587
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





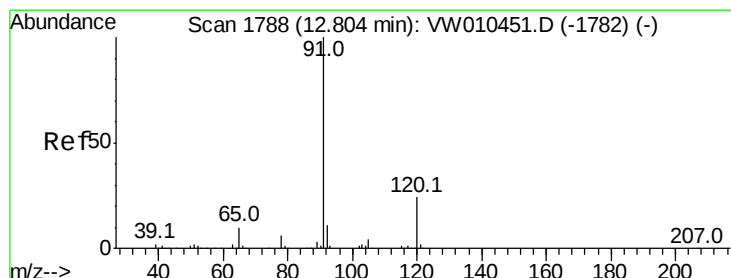
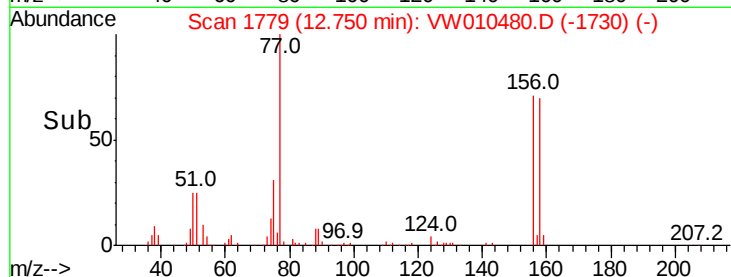
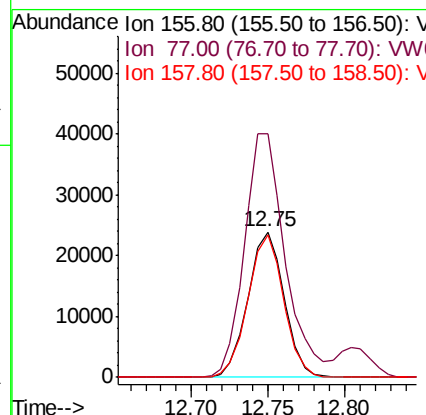
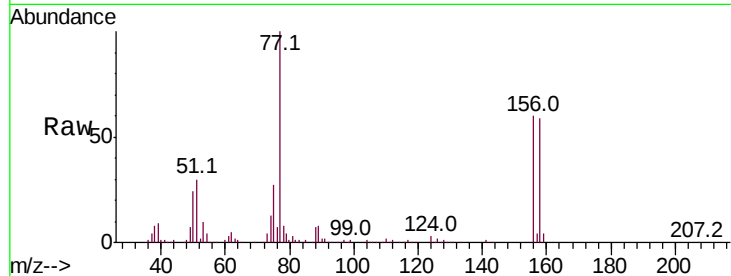
#77
Bromobenzene
Concen: 20.660 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.7	92.4	277.2
158	97.0	48.3	144.8

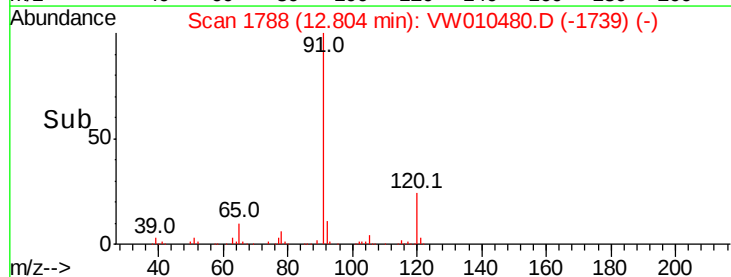
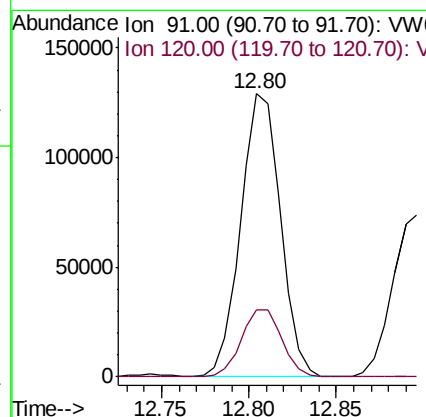
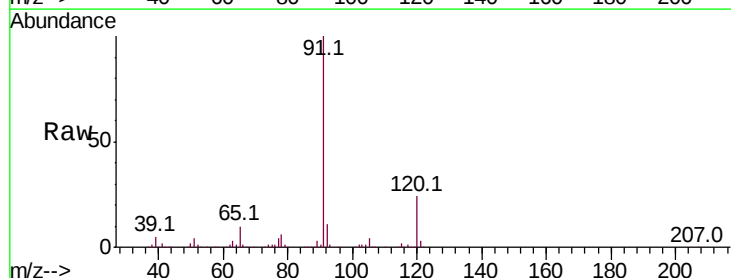
Manual Integrations
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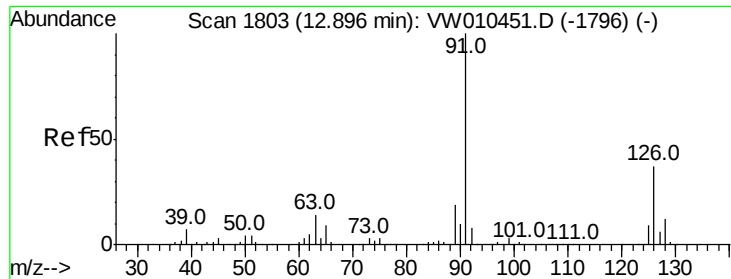
MMDadoda
5/22/2019 11:55:04 AM



#78
n-propylbenzene
Concen: 20.695 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.8





#79

2-Chlorotoluene

Concen: 20.830 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 91 Resp: 119345

Ion Ratio Lower Upper

91 100

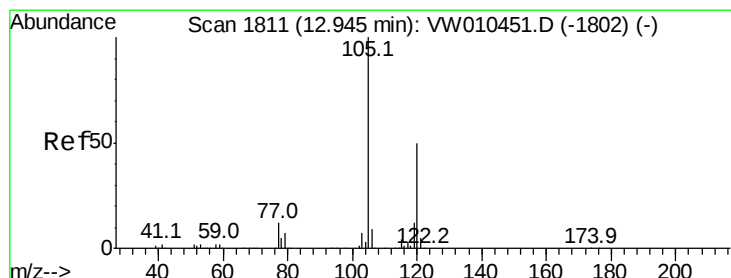
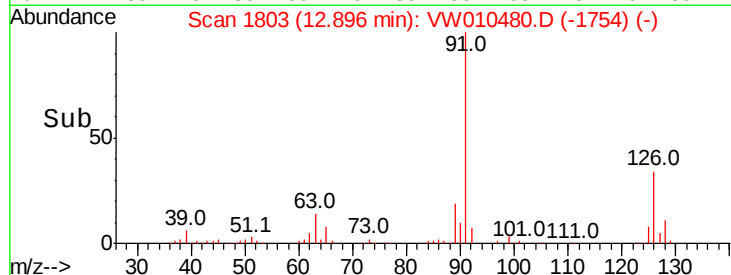
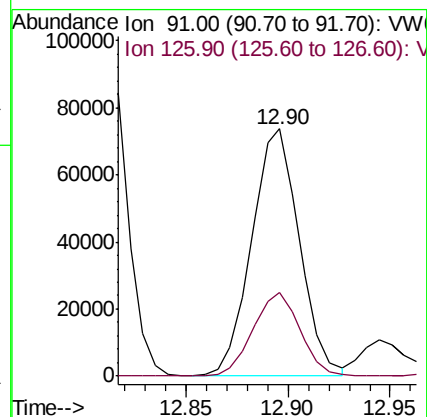
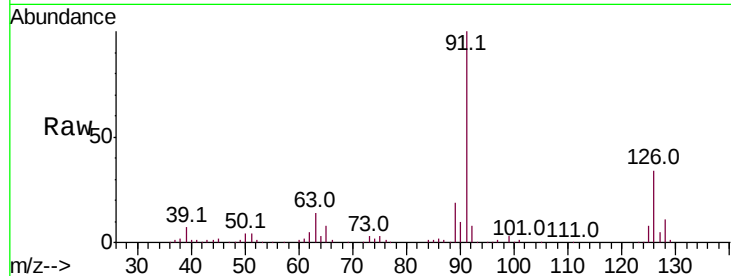
126 33.7 17.4 52.3

Manual Integrations

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MMDadoda

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#80

1,3,5-Trimethylbenzene

Concen: 20.866 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010480.D

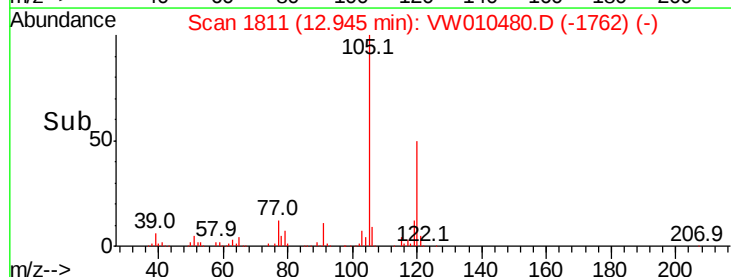
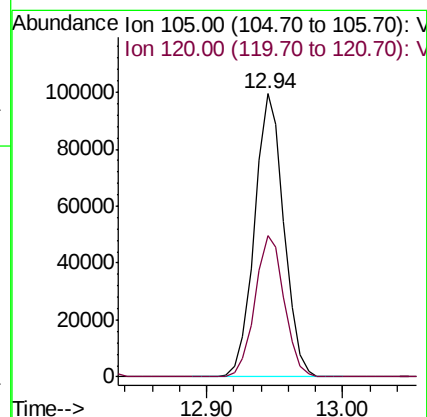
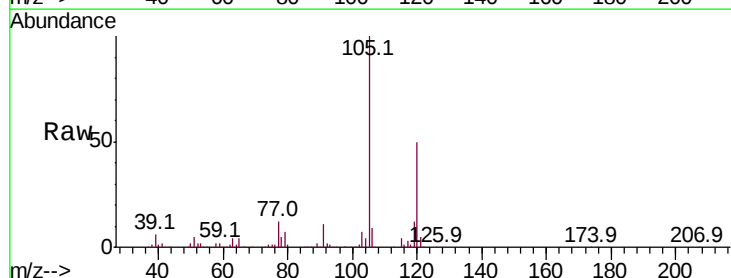
Acq: 21 May 2019 11:59

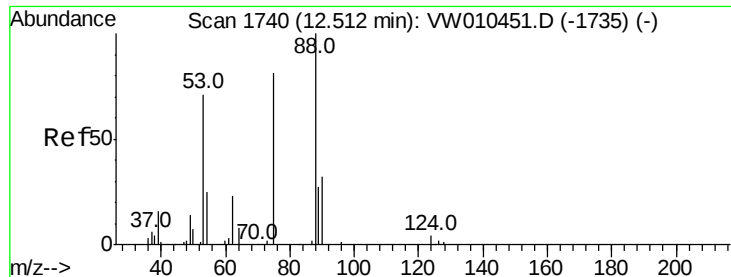
Tgt Ion: 105 Resp: 149819

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6





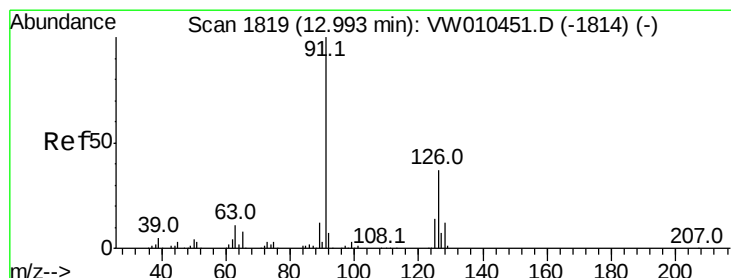
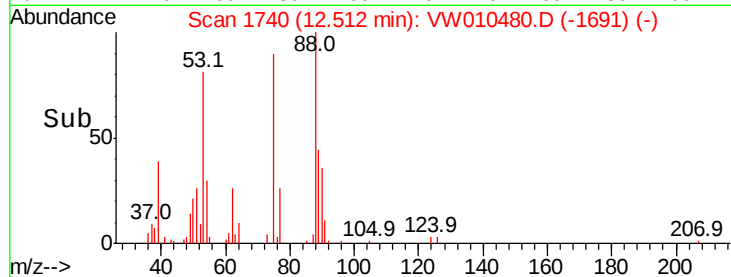
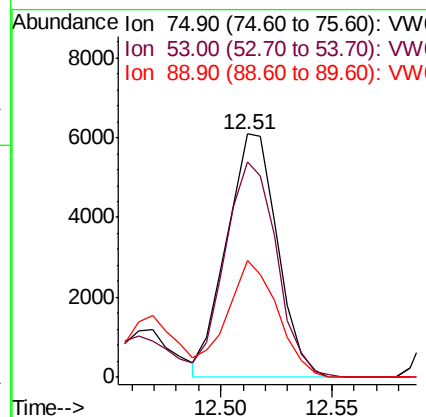
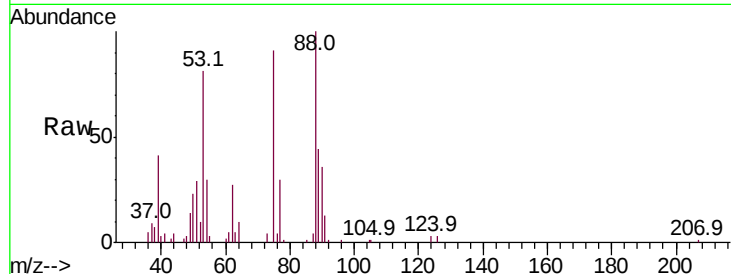
#81
trans-1,4-Dichloro-2-butene
Concen: 18.634 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	69.8	104.8
89	48.0	39.5	59.3

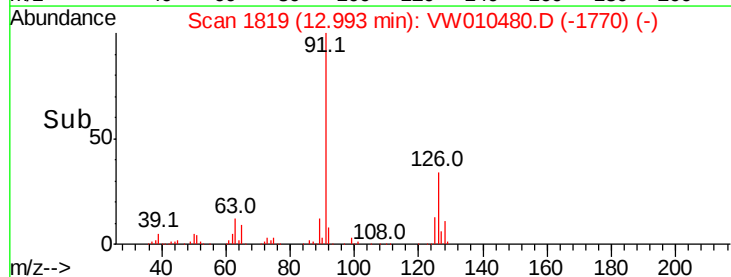
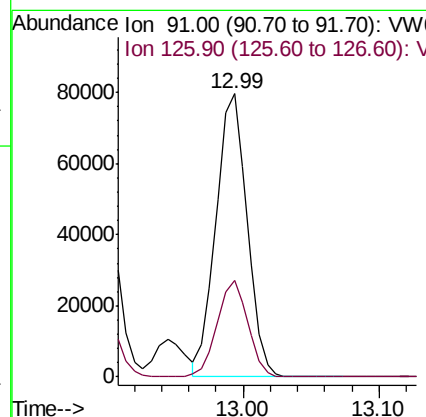
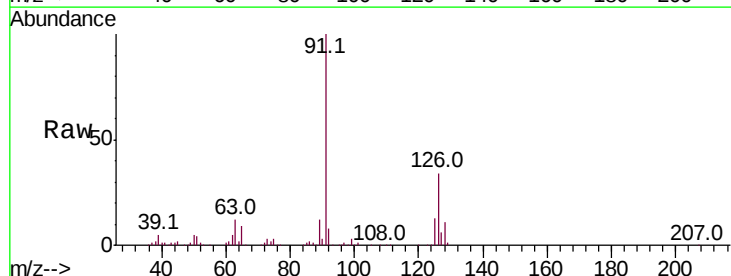
Manual Integrations
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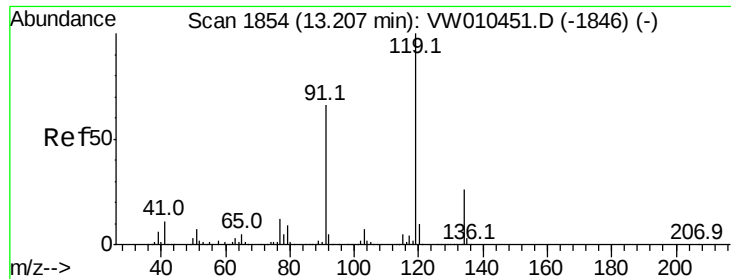
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.177 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.5	52.6





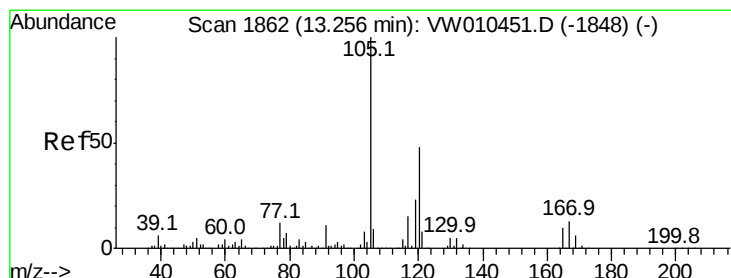
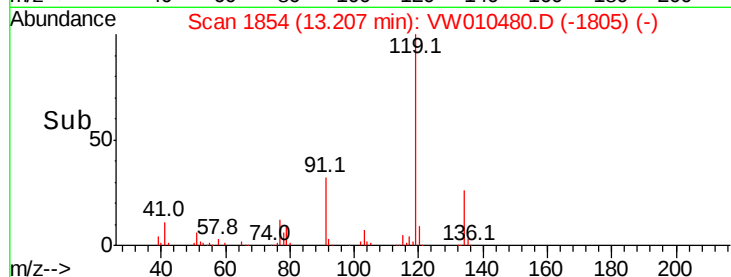
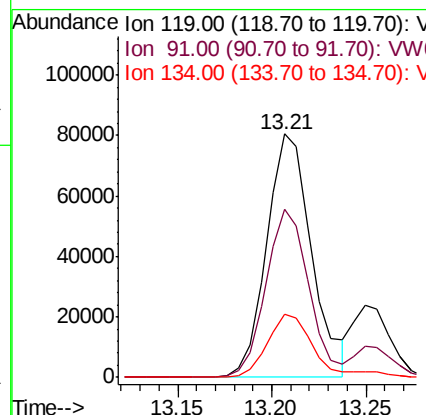
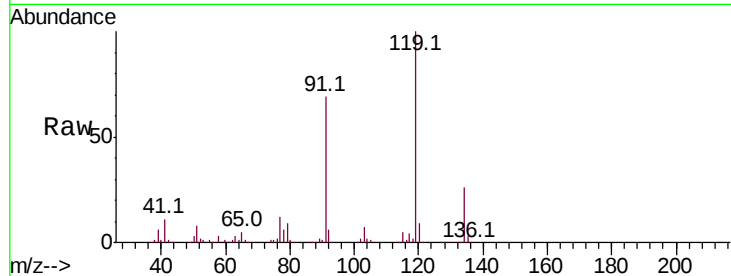
#83
tert-Butylbenzene
Concen: 21.278 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133452		
91	65.9	33.1	99.5	
134	27.1	13.9	41.6	

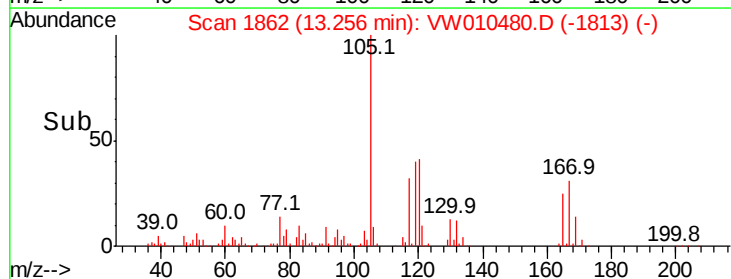
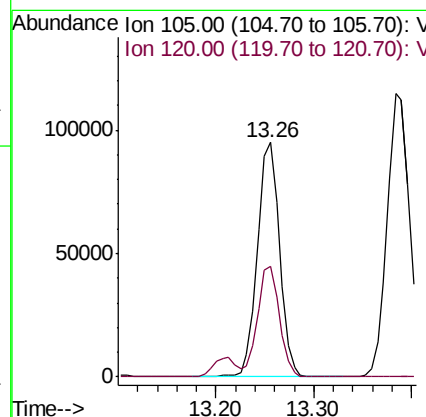
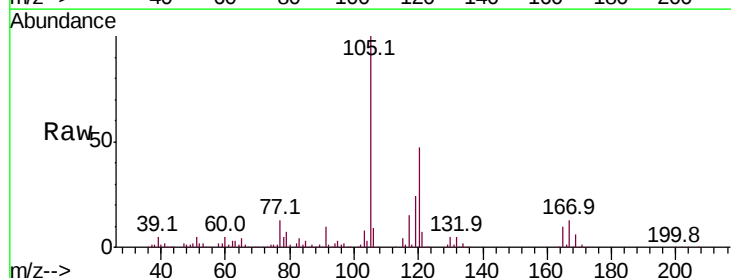
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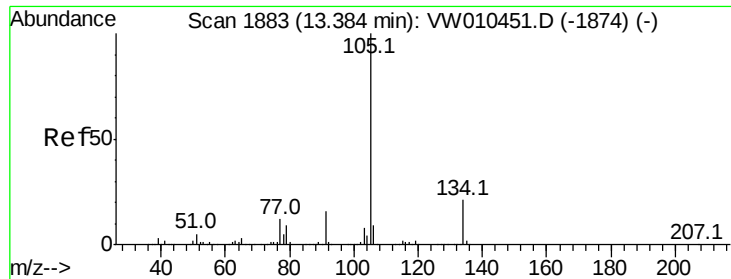
MMDadoda
5/22/2019 11:55:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.955 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149850		
120	46.3	23.4	70.2	





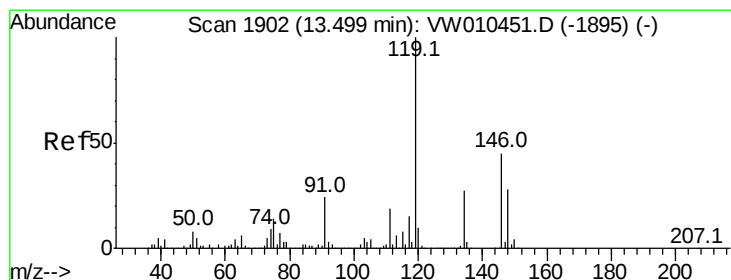
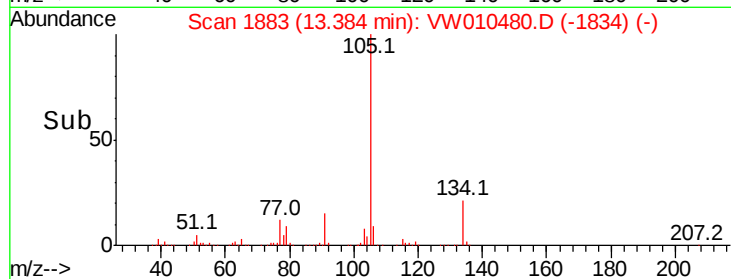
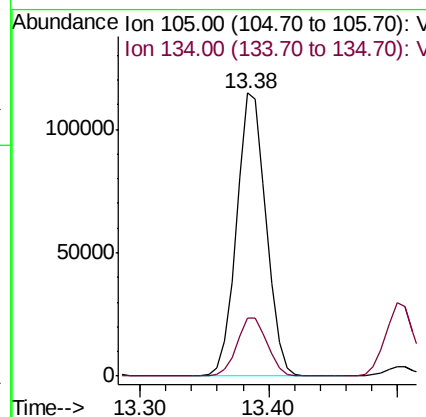
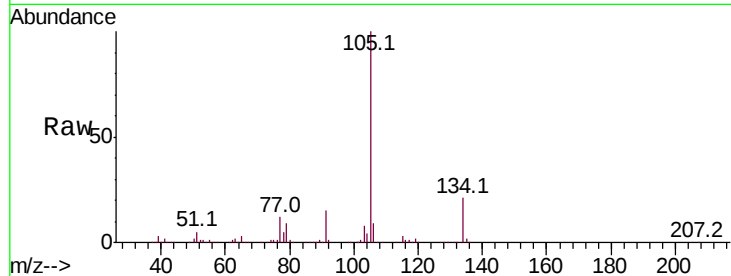
#85
 sec-Butylbenzene
 Concen: 20.688 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampled :
 VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	181574		
134	21.1	10.5	31.6	

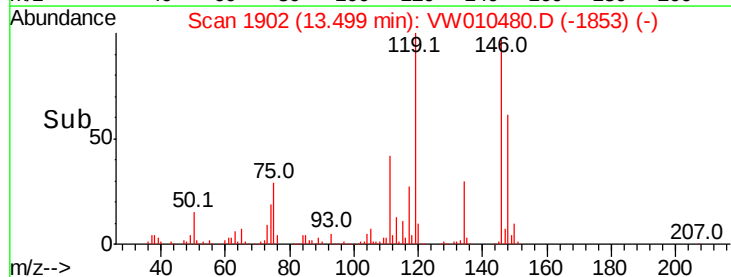
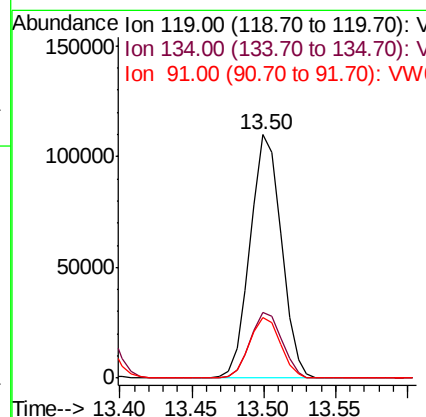
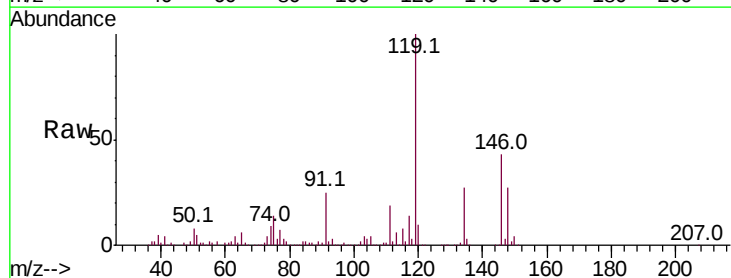
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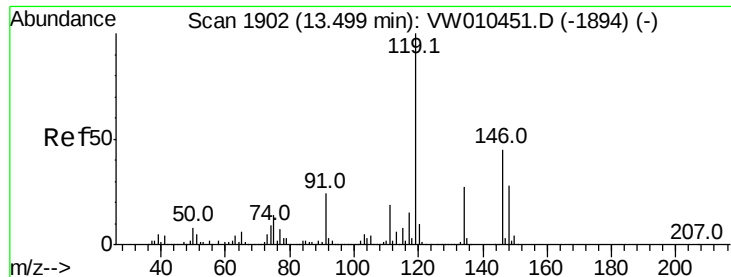
MMDadoda
 5/22/2019 11:55:04 AM



#86
 p-Isopropyltoluene
 Concen: 20.700 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	164444		
134	27.6	13.6	40.7	
91	24.9	11.9	35.7	





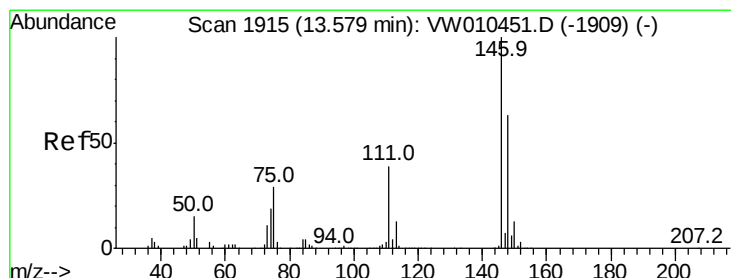
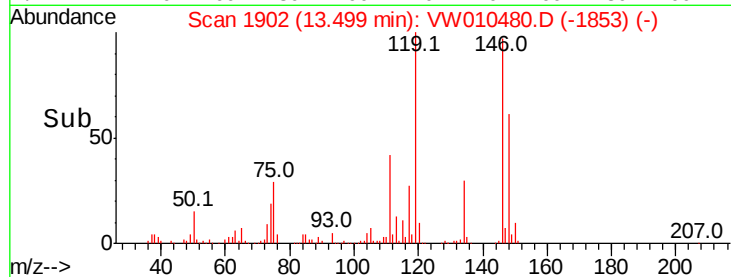
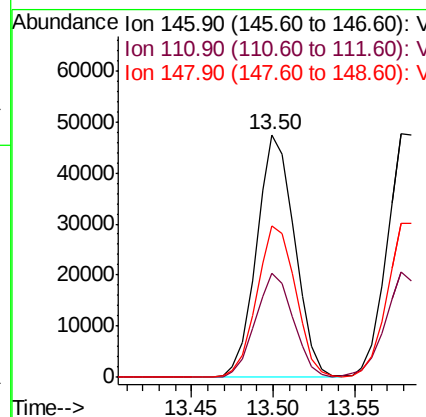
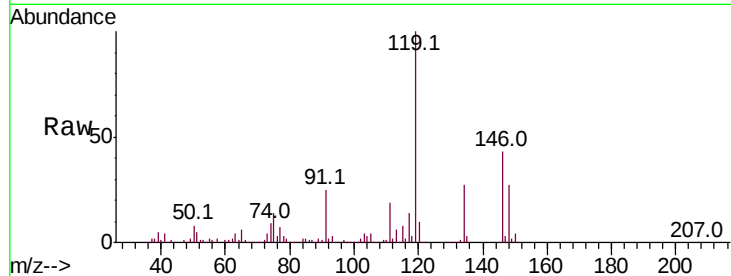
#87
 1,3-Dichlorobenzene
 Concen: 20.646 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.9
148	63.8	31.6	94.8

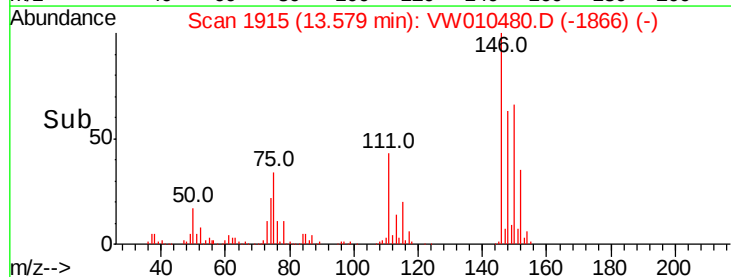
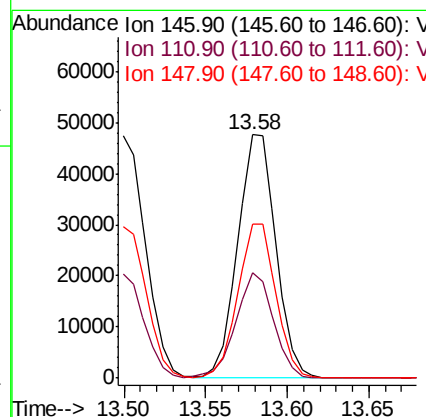
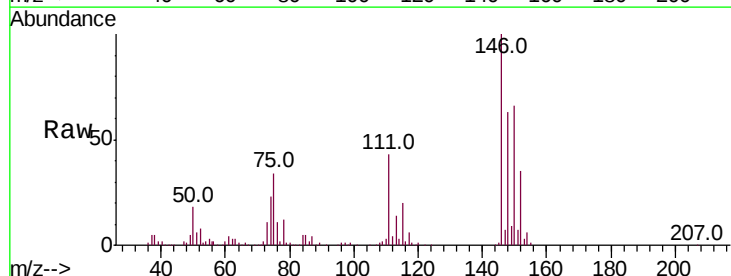
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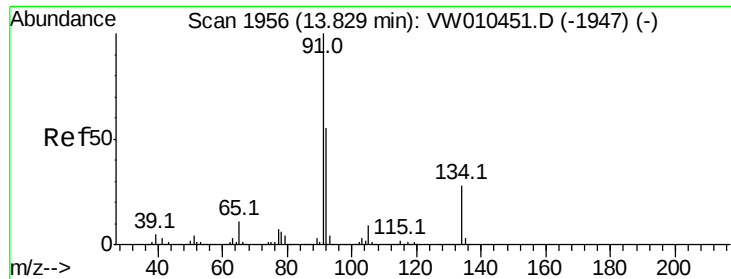
MMDadoda
 5/22/2019 11:55:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.749 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.9	59.6
148	63.3	31.6	94.8





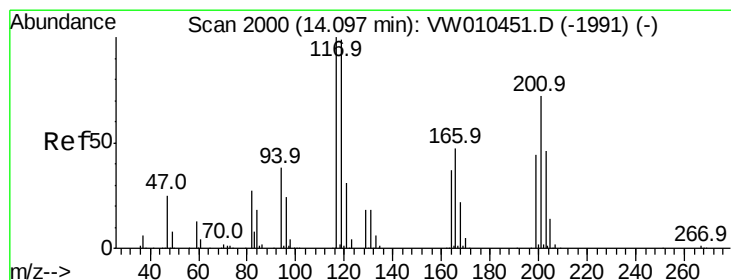
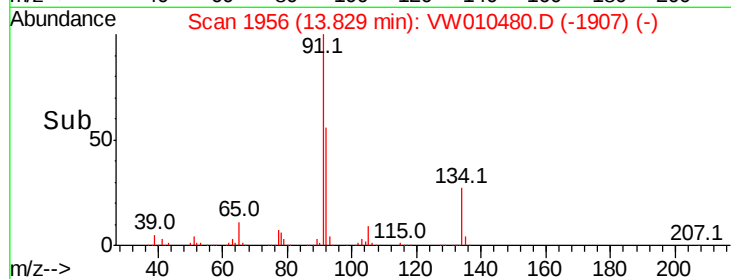
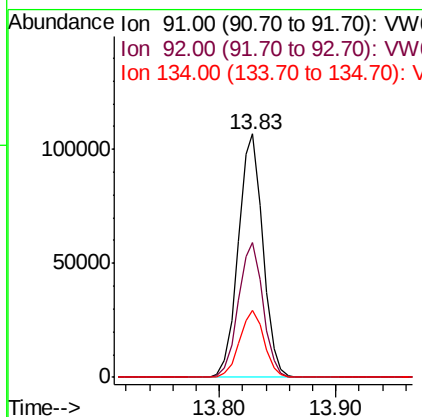
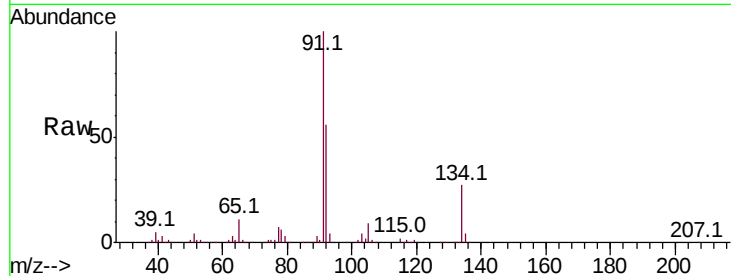
#89
n-Butylbenzene
Concen: 20.708 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.5	27.7	83.1	
134	27.4	13.9	41.6	

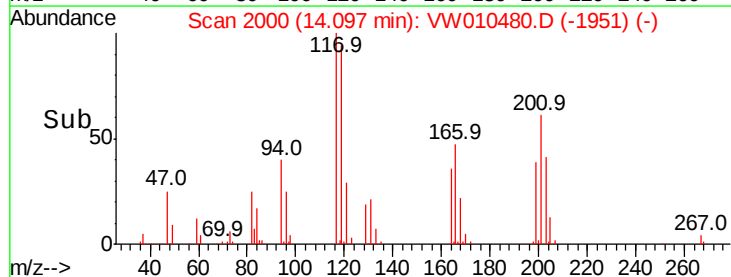
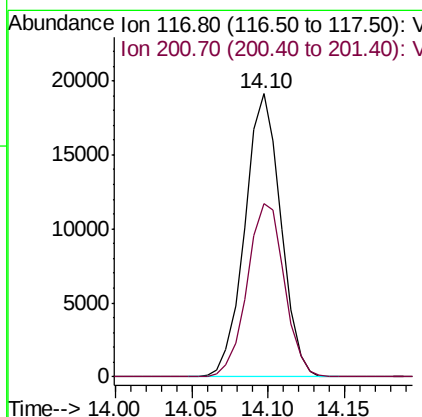
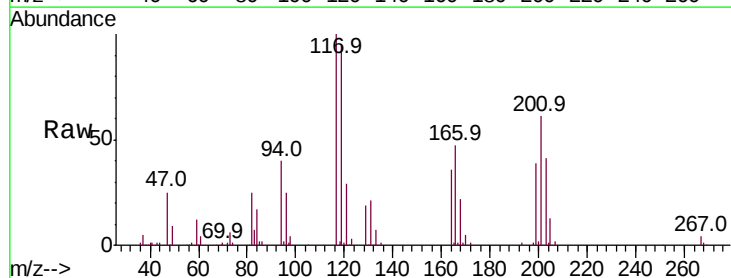
Manual Integrations
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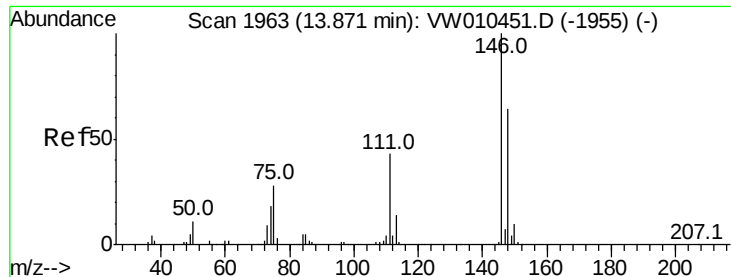
MMDadoda
5/22/2019 11:55:04 AM



#90
Hexachloroethane
Concen: 20.310 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	63.3	34.6	103.8	





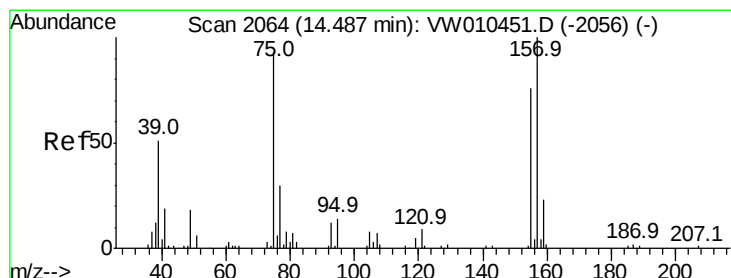
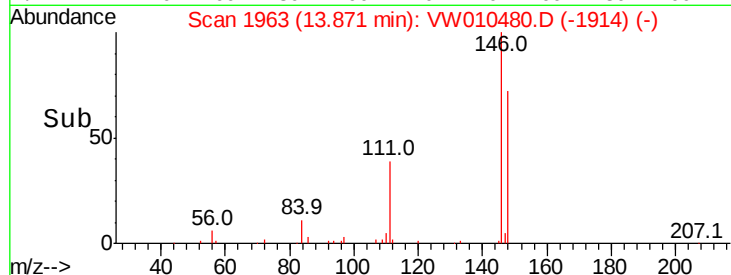
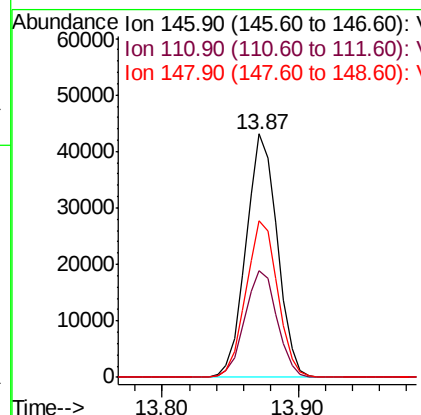
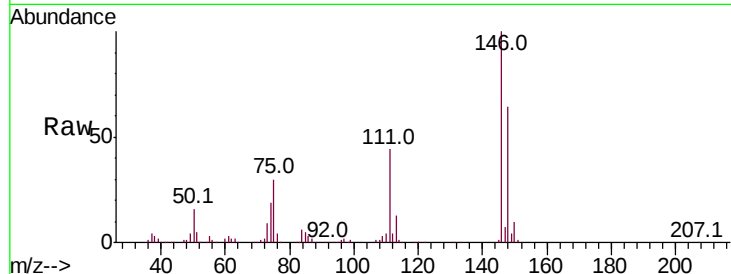
#91
 1,2-Dichlorobenzene
 Concen: 20.487 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.3	64.0
148	65.2	32.0	96.0

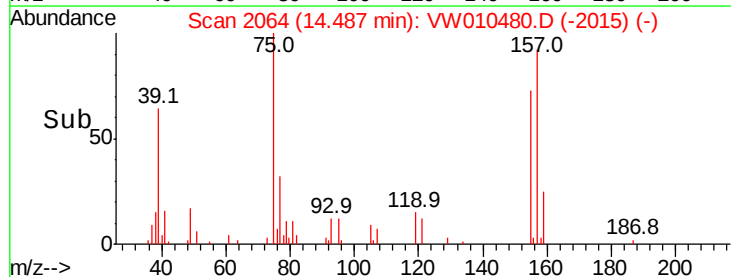
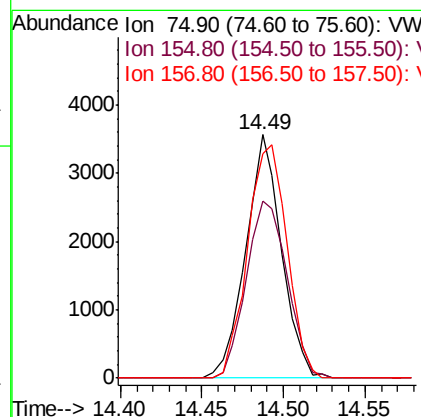
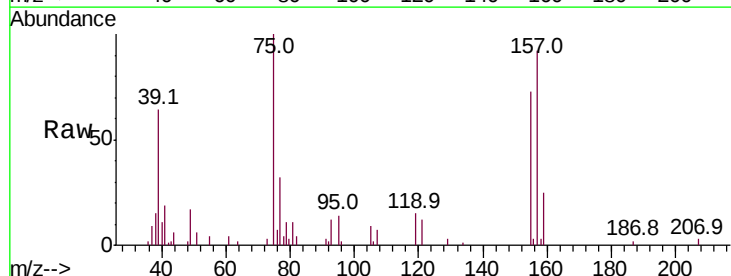
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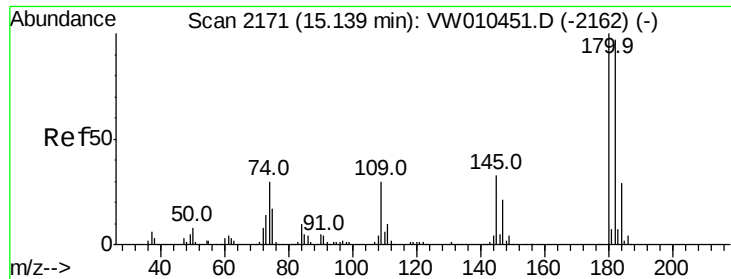
MMDadoda
 5/22/2019 11:55:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.942 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010480.D
 Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	43.0	129.0
157	105.8	55.7	167.1





#93

1,2,4-Trichlorobenzene

Concen: 19.737 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010480.D

Acq: 21 May 2019 11:59

Instrument :

MSVOA_W

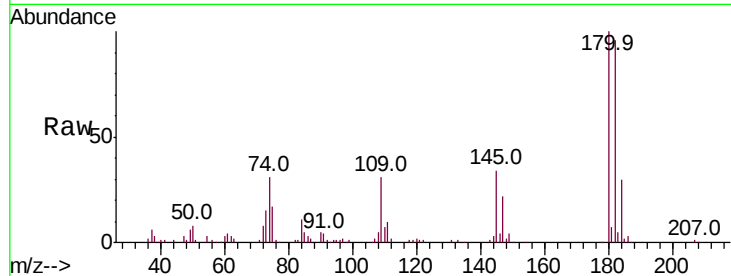
ClientSampleId :

VW0521SBS01

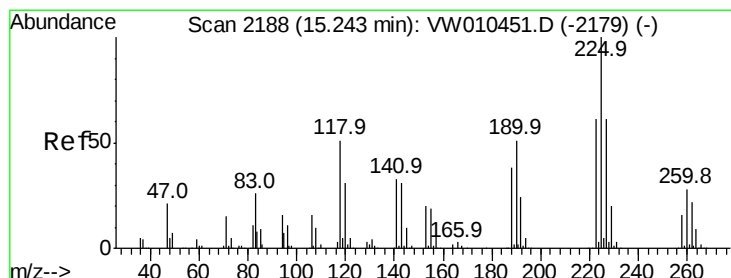
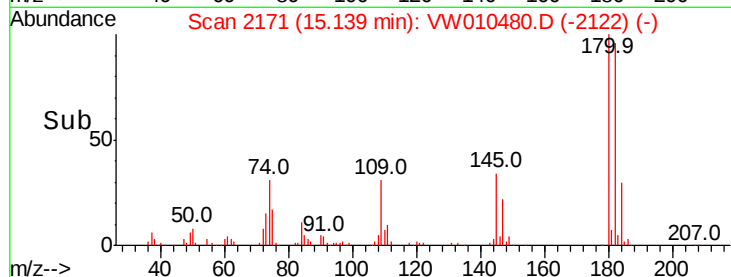
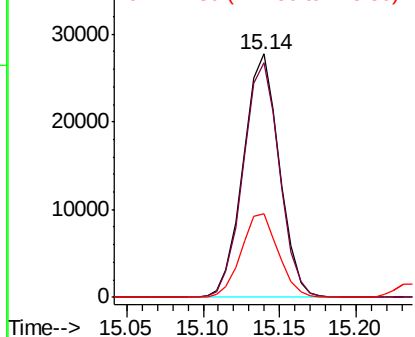
Tot Ion:	180	Resp:	45541
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.0	141.2
145	35.3	16.7	50.0

Manual Integrations
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5/22/2019 11:55:04 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.012 ug/l

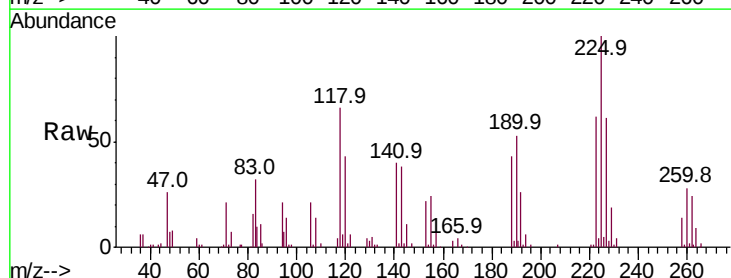
RT: 15.24 min Scan# 2187

Delta R.T. -0.01 min

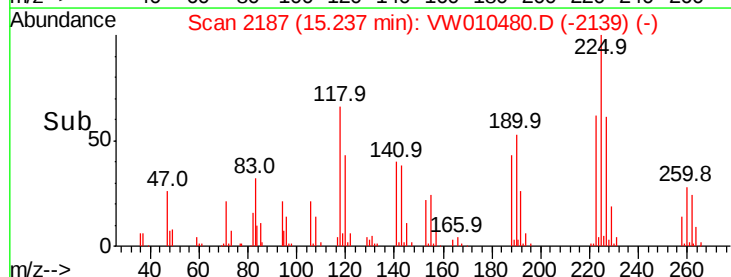
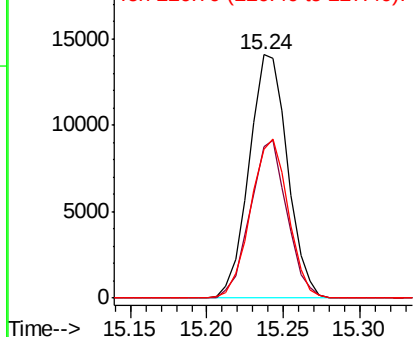
Lab File: VW010480.D

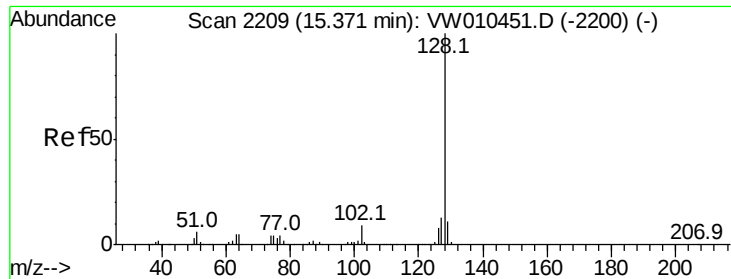
Acq: 21 May 2019 11:59

Tgt Ion:	225	Resp:	24669
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.1	93.2
227	63.7	31.1	93.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





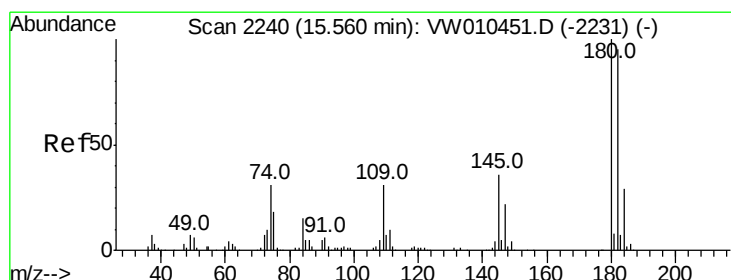
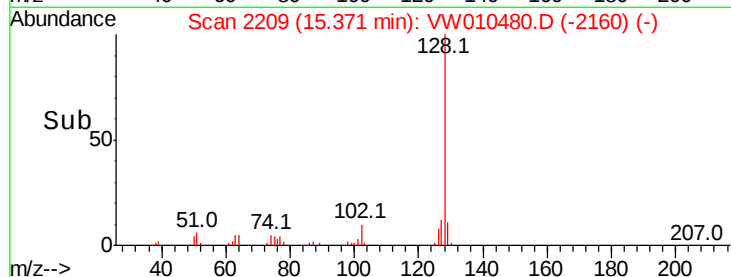
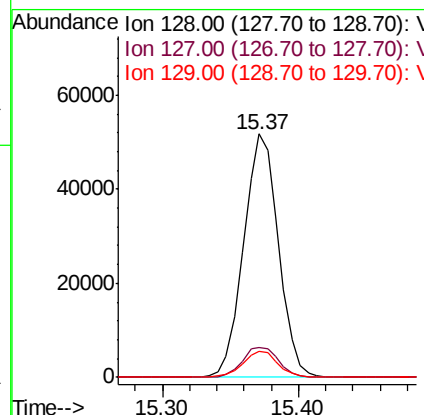
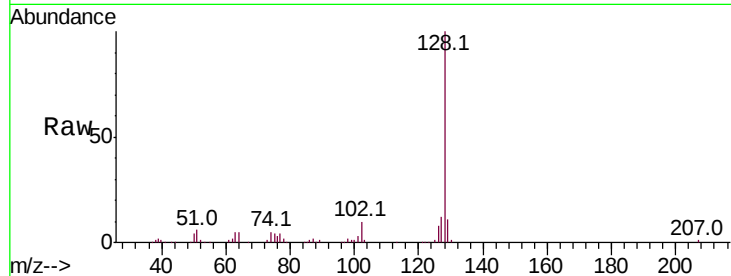
#95
Naphthalene
Concen: 19.072 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	92376		
127	12.9		10.6	15.8
129	10.9		8.9	13.3

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5/22/2019 11:55:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.348 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010480.D
Acq: 21 May 2019 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	38415		
182	96.7		47.1	141.3
145	37.0		17.4	52.3

