

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010868.D
 Acq On : 20 Jun 2019 01:21
 Operator : SY/VA
 Sample : VW0619SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 12:00:27 PM

Quant Time: Jun 20 07:09:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	177555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	159947	58.67	ug/l	0.00
Spiked Amount						
			Recovery	=	117.34%	
35) Dibromofluoromethane	7.88	113	120059	55.78	ug/l	0.00
Spiked Amount						
			Recovery	=	111.56%	
50) Toluene-d8	10.32	98	492301	52.16	ug/l	0.00
Spiked Amount						
			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.62	95	187804	54.68	ug/l	0.00
Spiked Amount						
			Recovery	=	109.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	41035	19.197	ug/l	98
3) Chloromethane	2.21	50	67893	21.588	ug/l	99
4) Vinyl Chloride	2.36	62	57089	19.648	ug/l	99
5) Bromomethane	2.74	94	35208	22.065	ug/l	96
6) Chloroethane	2.90	64	35887	20.576	ug/l	95
7) Trichlorofluoromethane	3.25	101	77127	20.448	ug/l	98
8) Diethyl Ether	3.68	74	30261	22.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	45873	19.782	ug/l	98
10) Methyl Iodide	4.26	142	32915	17.255	ug/l	97
11) Tert butyl alcohol	5.17	59	47300	212.952	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	46091	20.604	ug/l	99
13) Acrolein	3.90	56	4623	50.934	ug/l	86
14) Allyl chloride	4.66	41	106297	21.551	ug/l	98
15) Acrylonitrile	5.37	53	77496	118.343	ug/l	99
16) Acetone	4.12	43	77980	106.743	ug/l	99
17) Carbon Disulfide	4.37	76	130415	18.365	ug/l	99
18) Methyl Acetate	4.67	43	48534	30.863	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	149411	23.158	ug/l	95
20) Methylene Chloride	4.91	84	56788	22.158	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	54117	21.311	ug/l	98
22) Diisopropyl ether	6.31	45	233479	23.644	ug/l	98
23) Vinyl Acetate	6.26	43	612352	102.755	ug/l	100
24) 1,1-Dichloroethane	6.21	63	113468	22.929	ug/l	99
25) 2-Butanone	7.17	43	122983	121.405	ug/l	96
26) 2,2-Dichloropropane	7.17	77	82644	20.523	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	63055	22.563	ug/l	95
28) Bromochloromethane	7.51	49	52902	23.954	ug/l	94
29) Tetrahydrofuran	7.53	42	75503	118.498	ug/l	99
30) Chloroform	7.68	83	103622	22.893	ug/l	98
31) Cyclohexane	7.95	56	108802	19.778	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	85237	21.557	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81565	20.093	ug/l	99
37) Ethyl Acetate	7.26	43	51044	22.691	ug/l	100
38) Carbon Tetrachloride	8.07	117	69731	19.899	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	94643	18.340	ug/l	96
40) Benzene	8.32	78	237727	21.467	ug/l	100
41) Methacrylonitrile	7.48	41	33311	24.913	ug/l	89
42) 1,2-Dichloroethane	8.40	62	80598	22.931	ug/l	98
43) Isopropyl Acetate	8.43	43	97935	22.535	ug/l	98
44) Trichloroethene	9.09	130	57104	20.904	ug/l	97
45) 1,2-Dichloropropane	9.37	63	65299	22.275	ug/l	97
46) Dibromomethane	9.46	93	30067	22.082	ug/l	99
47) Bromodichloromethane	9.65	83	75273	21.327	ug/l	96
48) Methyl methacrylate	9.44	41	46234	22.065	ug/l	96
49) 1,4-Dioxane	9.45	88	9969	468.289	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	260361	117.271	ug/l	98
52) Toluene	10.38	92	144301	21.178	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	75893	20.301	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	90630	20.602	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43196	22.022	ug/l	99
56) Ethyl methacrylate	10.65	69	67358	22.317	ug/l	97
57) 1,3-Dichloropropane	10.93	76	83795	22.668	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	174067	110.106	ug/l	99
59) 2-Hexanone	10.97	43	177336	110.519	ug/l	97
60) Dibromochloromethane	11.13	129	44824	20.614	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40672	21.884	ug/l	97
64) Tetrachloroethene	10.86	164	58810	24.506	ug/l	99
65) Chlorobenzene	11.66	112	148683	20.918	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	51519	20.938	ug/l	100
67) Ethyl Benzene	11.73	91	279577	20.466	ug/l	98
68) m/p-Xylenes	11.84	106	201339	41.174	ug/l	98
69) o-Xylene	12.16	106	95407	20.572	ug/l	95
70) Styrene	12.18	104	167820	20.830	ug/l	98
71) Bromoform	12.35	173	25134	19.751	ug/l #	100
73) Isopropylbenzene	12.46	105	261864	19.626	ug/l	99
74) N-amyl acetate	12.27	43	90624	21.016	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	52497	20.667	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	39005m	20.919	ug/l	
77) Bromobenzene	12.75	156	59567	20.452	ug/l	97
78) n-propylbenzene	12.80	91	319396	19.852	ug/l	100
79) 2-Chlorotoluene	12.90	91	190766	20.754	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	223183	20.436	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13549	16.701	ug/l	92
82) 4-Chlorotoluene	12.99	91	196113	20.675	ug/l	99
83) tert-Butylbenzene	13.21	119	186750	20.149	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	225588	20.527	ug/l	99
85) sec-Butylbenzene	13.38	105	260782	19.325	ug/l	100
86) p-Isopropyltoluene	13.50	119	233201	19.324	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	116657	20.770	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	115329	20.712	ug/l	99
89) n-Butylbenzene	13.83	91	233984	19.433	ug/l	100
90) Hexachloroethane	14.10	117	40852	18.903	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	105961	20.978	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9070	20.794	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	72386	20.422	ug/l	100
94) Hexachlorobutadiene	15.24	225	43819	19.698	ug/l	98
95) Naphthalene	15.37	128	128726	19.989	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	62739	20.813	ug/l	98

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

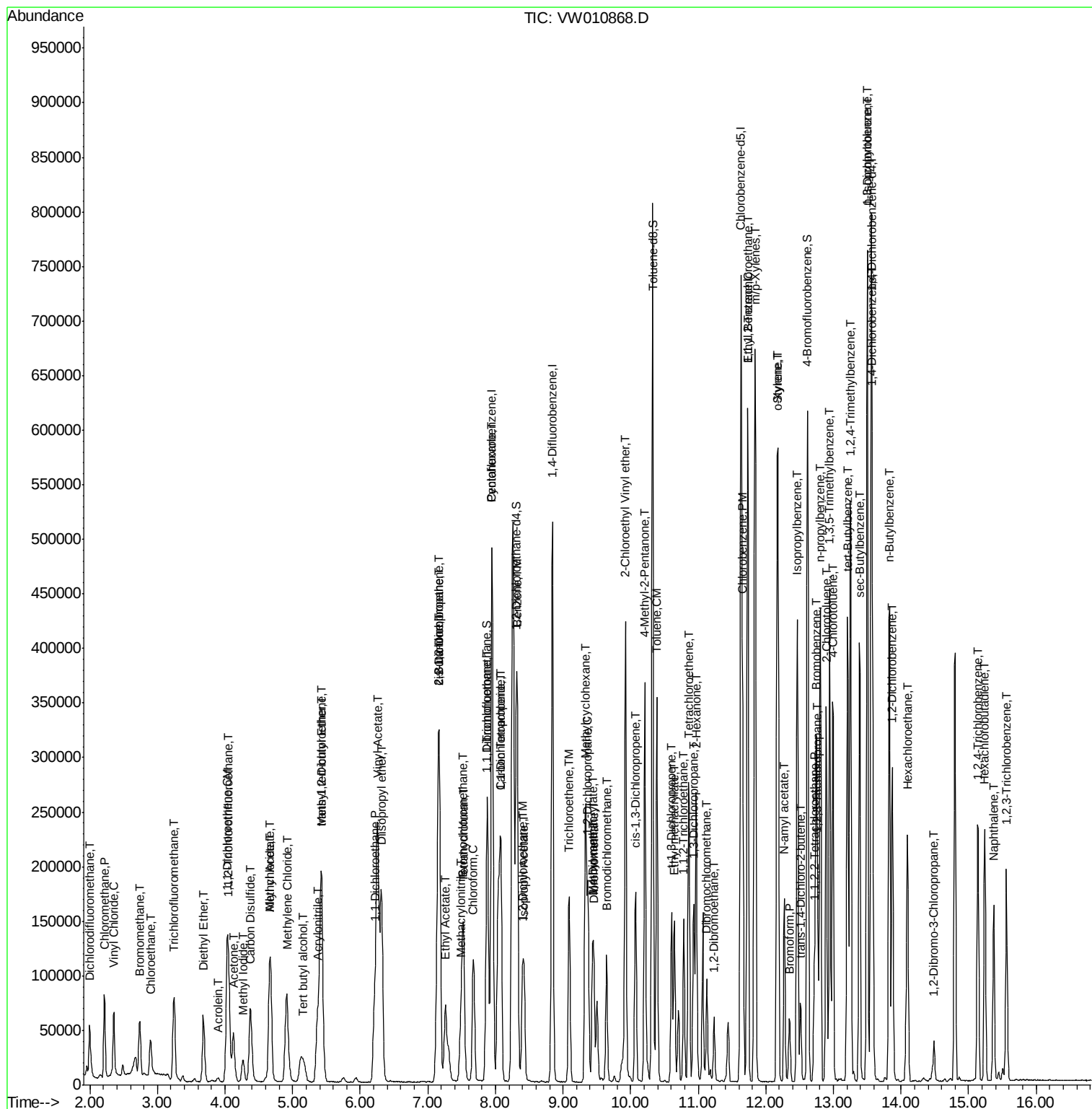
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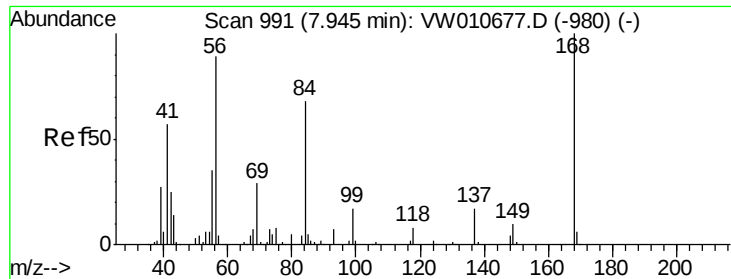
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:168 Resp: 231314

Ion Ratio Lower Upper

168 100

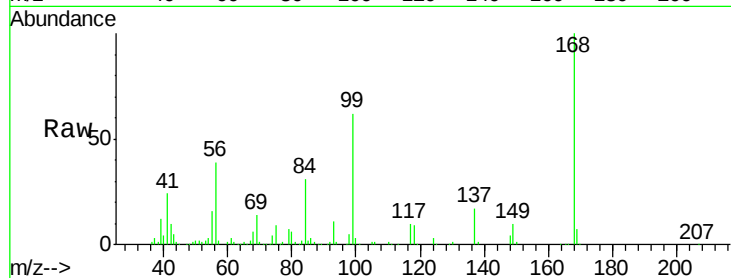
99 61.5 47.7 71.5

Manual Integrations

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6/20/2019 12:00:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

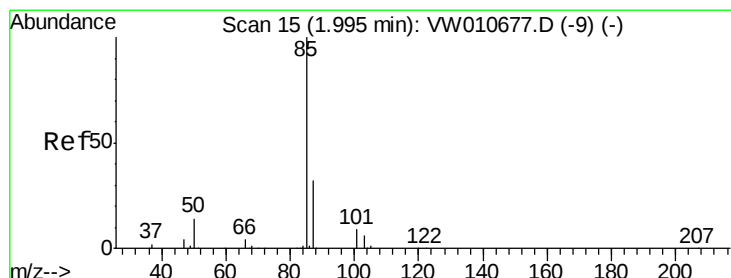
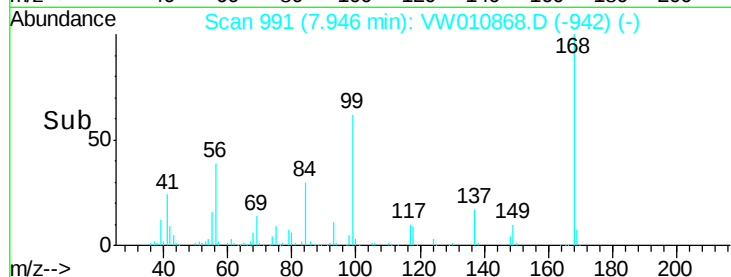
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.197 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010868.D

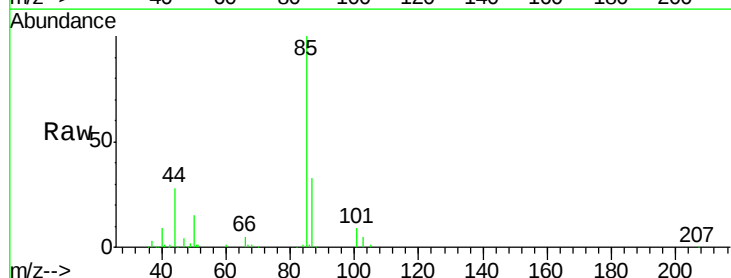
Acq: 20 Jun 2019 01:21

Tgt Ion: 85 Resp: 41035

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

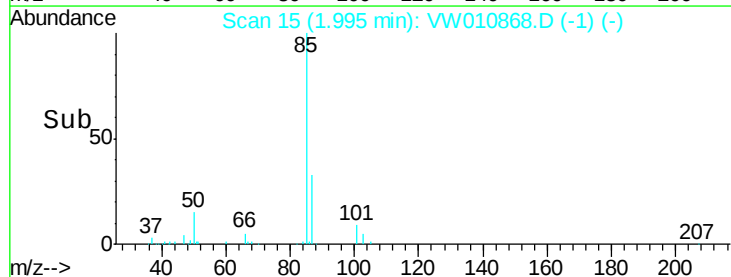
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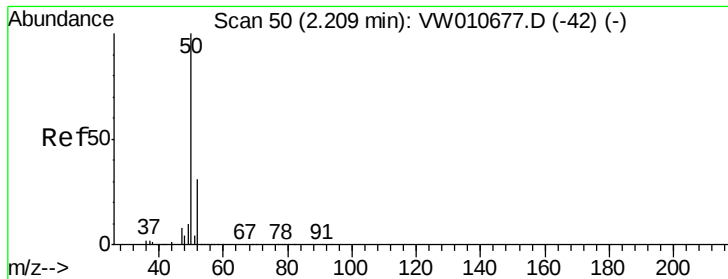
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.588 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 50 Resp: 67893

Ion Ratio Lower Upper

50 100

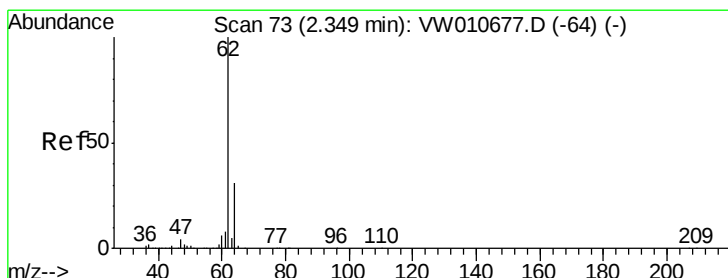
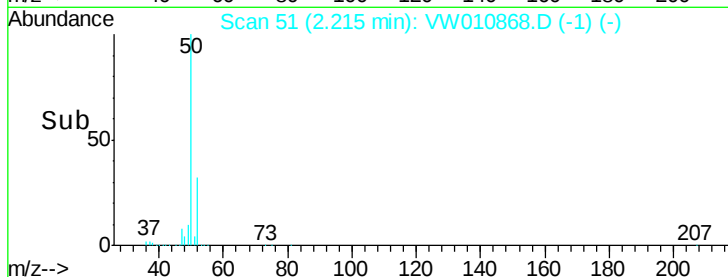
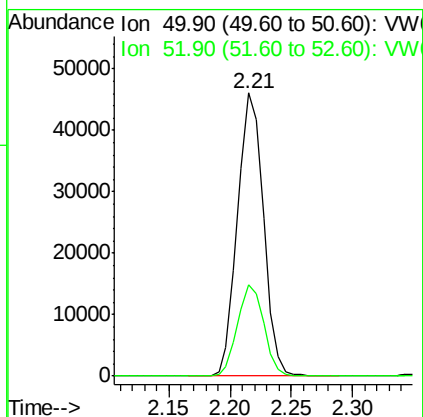
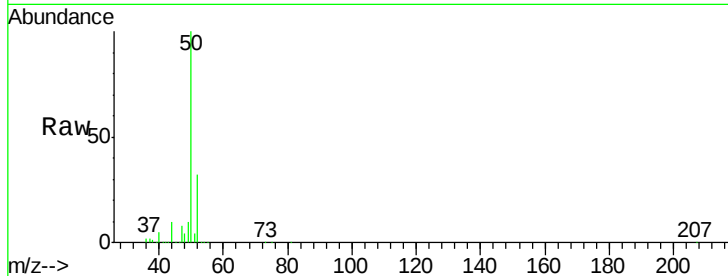
52 32.2 25.2 37.8

Manual Integrations

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6/20/2019 12:00:27 PM



#4

Vinyl Chloride

Concen: 19.648 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010868.D

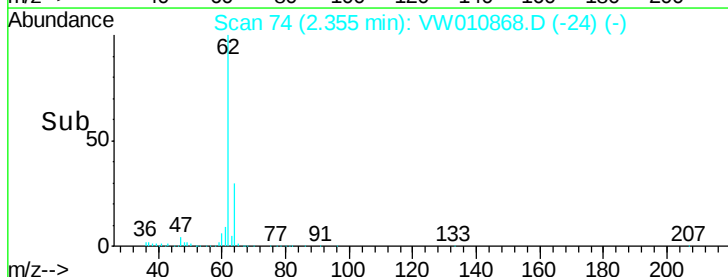
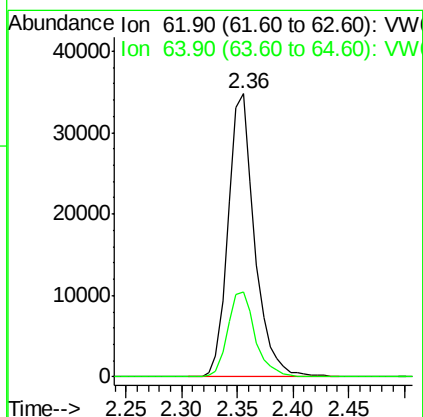
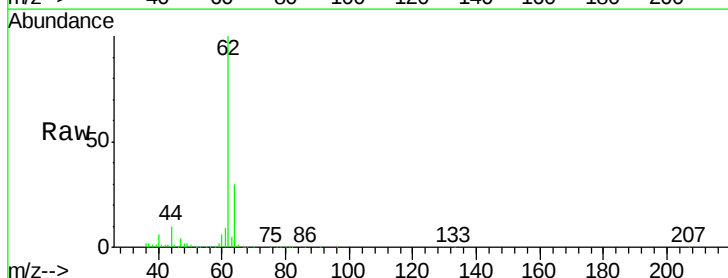
Acq: 20 Jun 2019 01:21

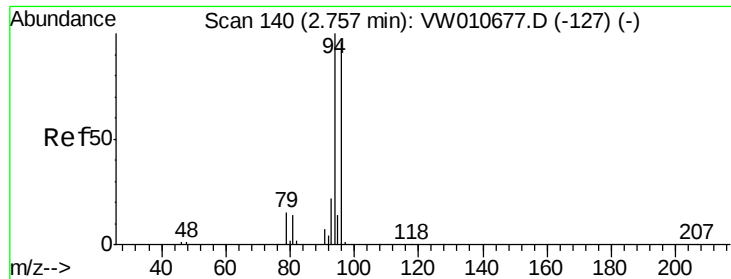
Tgt Ion: 62 Resp: 57089

Ion Ratio Lower Upper

62 100

64 29.9 24.5 36.7





#5

Bromomethane

Concen: 22.065 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 35208

Ion Ratio Lower Upper

94 100

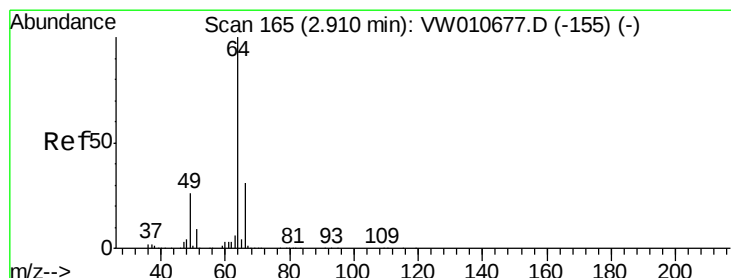
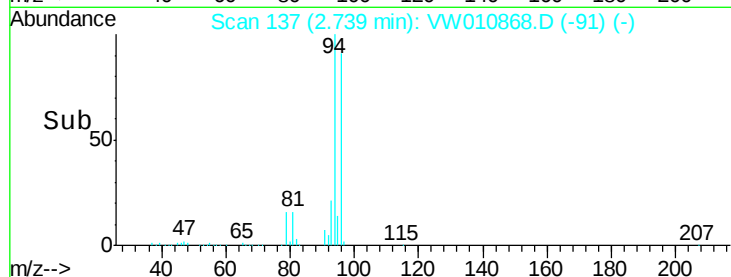
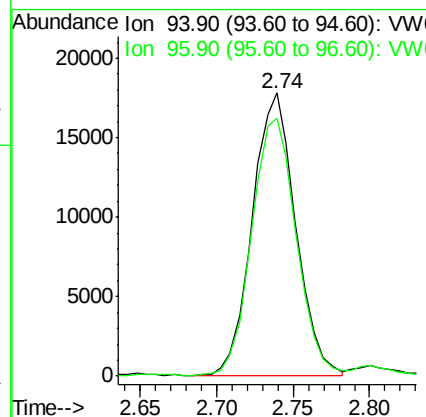
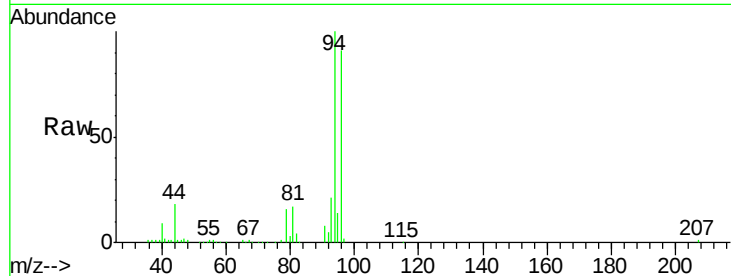
96 91.2 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 20.576 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010868.D

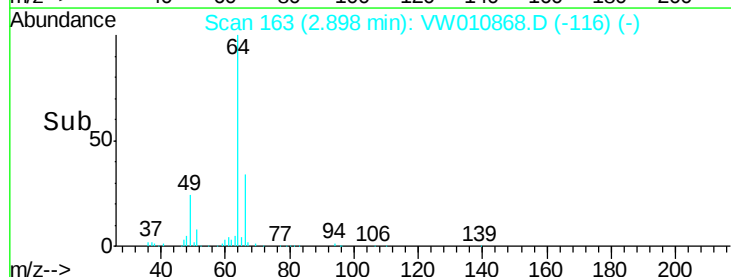
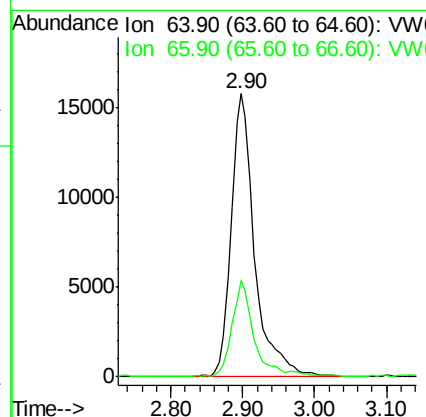
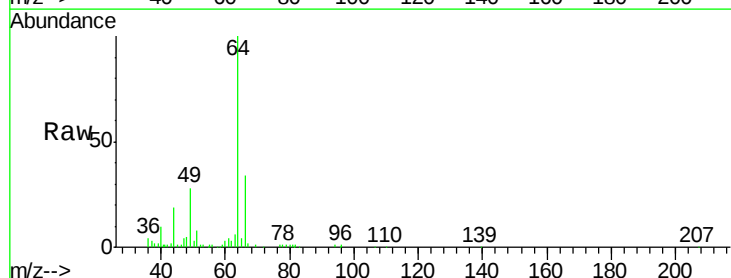
Acq: 20 Jun 2019 01:21

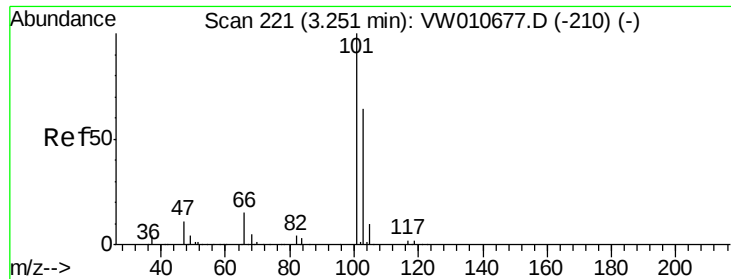
Tgt Ion: 64 Resp: 35887

Ion Ratio Lower Upper

64 100

66 33.9 25.1 37.7





#7

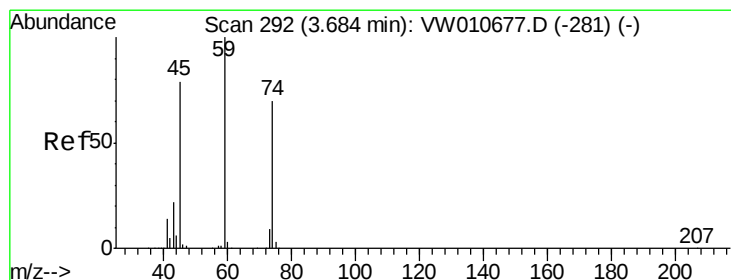
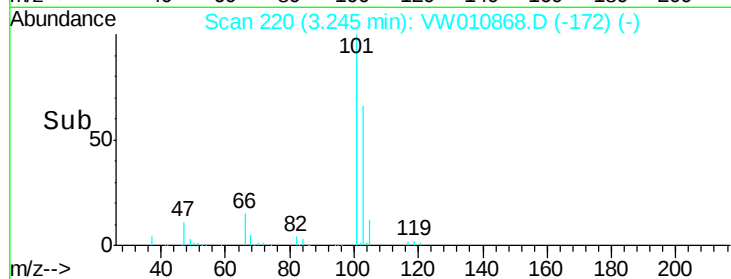
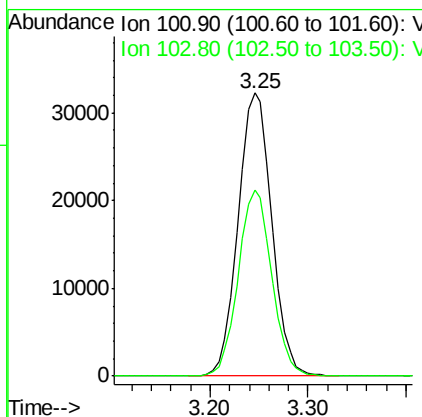
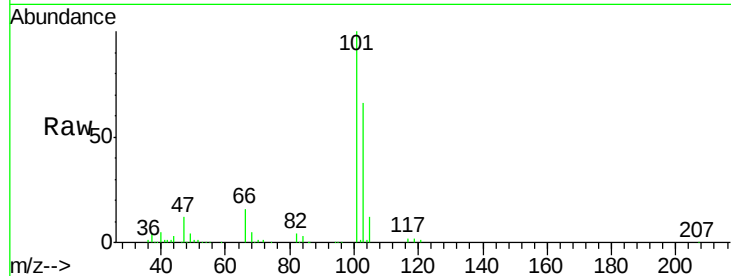
Trichlorofluoromethane
 Concen: 20.448 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010868.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.2	76.8

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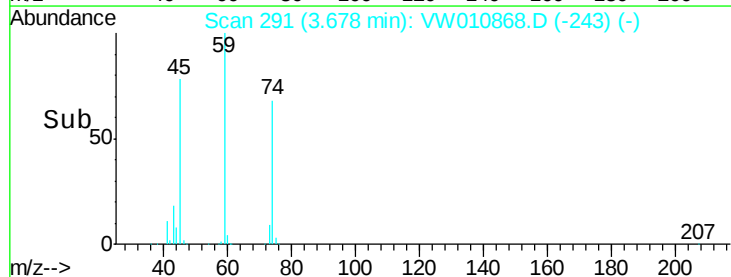
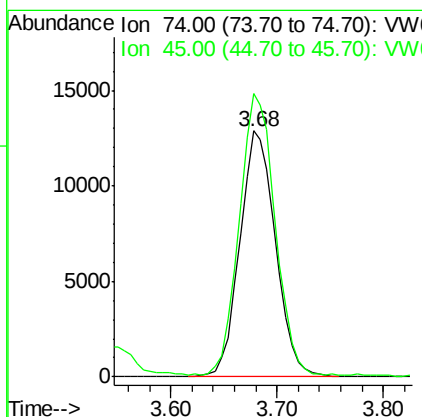
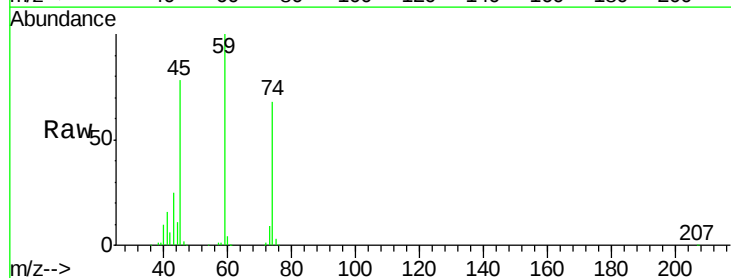
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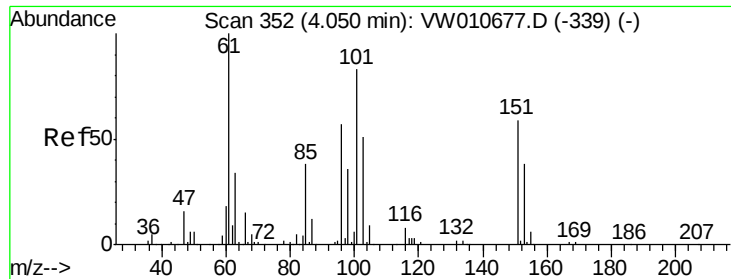


#8

Diethyl Ether
 Concen: 22.450 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.2	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.782 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

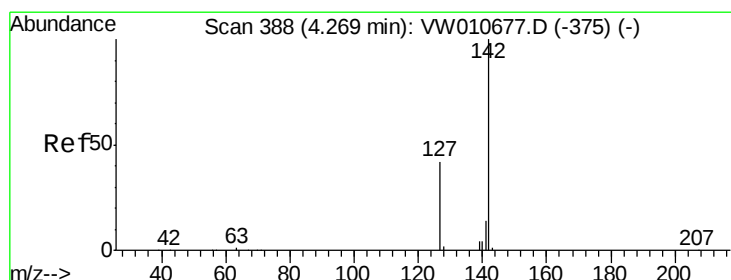
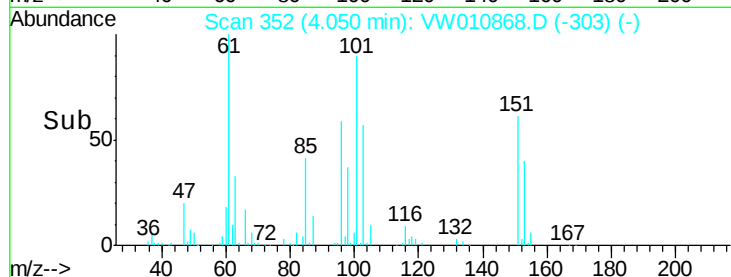
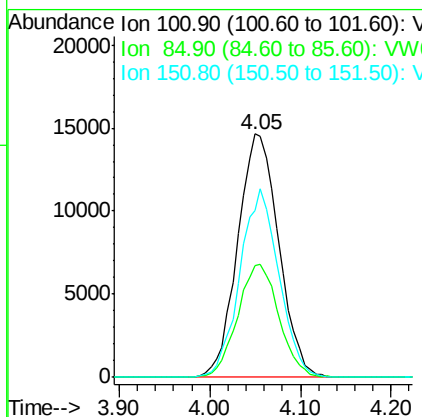
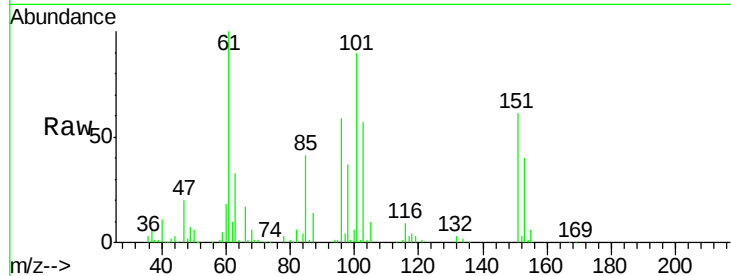
ClientSampleId :

VW0619SBS02

Tot Ion:	101	Resp:	45873
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.8	53.8
151	73.5	58.1	87.1

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#10

Methyl Iodide

Concen: 17.255 ug/l

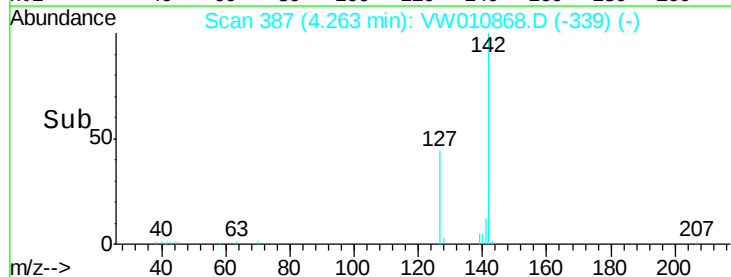
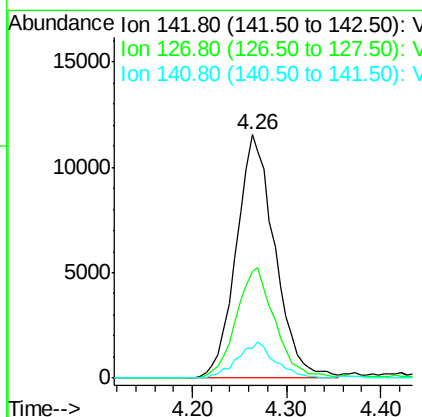
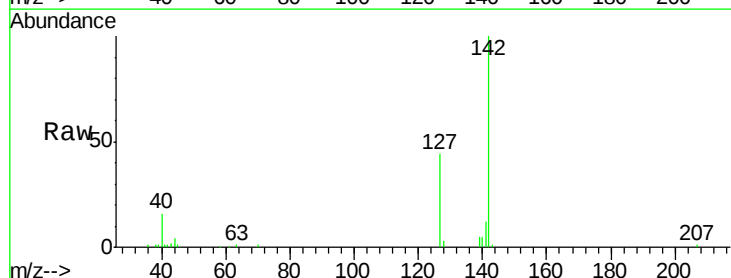
RT: 4.26 min Scan# 387

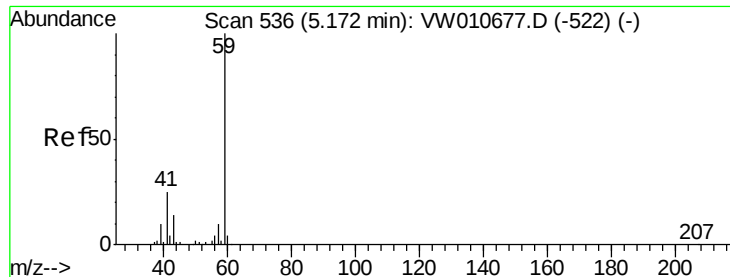
Delta R.T. -0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion:	142	Resp:	32915
Ion Ratio	Lower	Upper	
142	100		
127	45.4	34.6	51.8
141	14.3	11.6	17.4





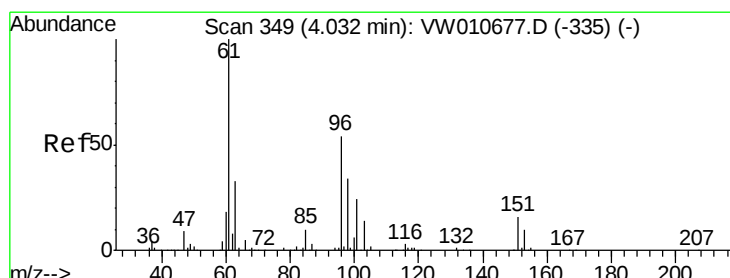
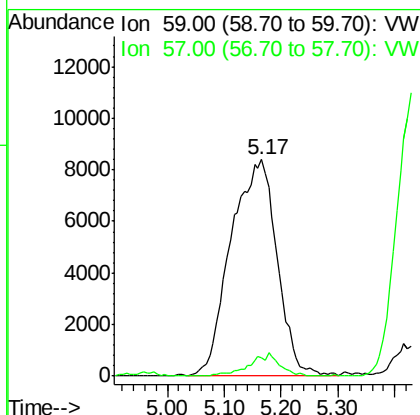
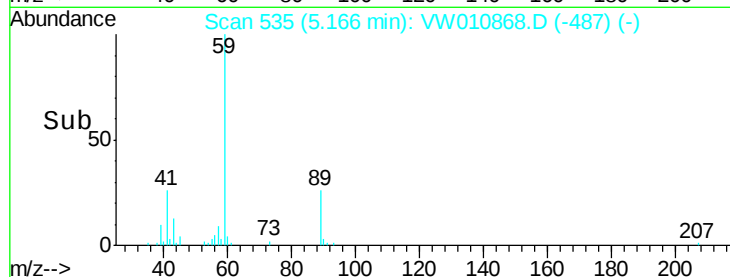
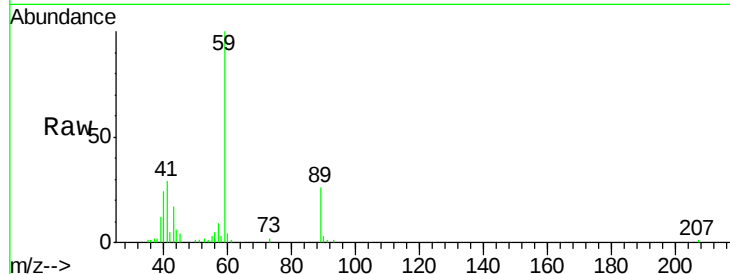
#11
Tert butyl alcohol
Concen: 212.952 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 59 Resp: 47300
Ion Ratio Lower Upper
59 100
57 7.1 8.6 12.8#

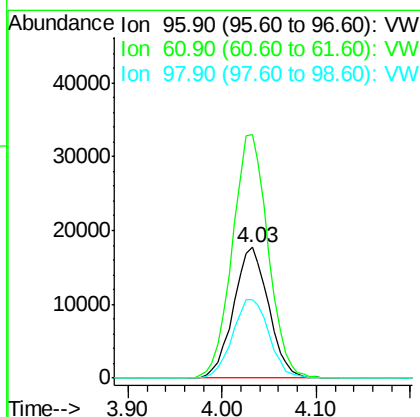
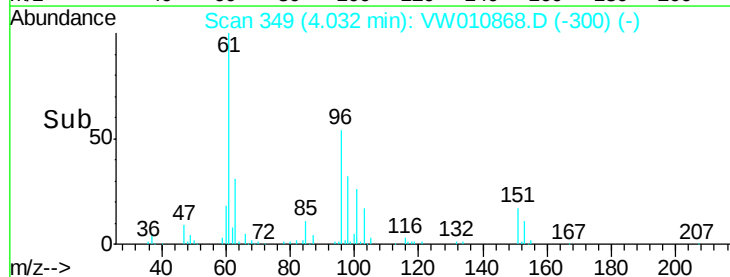
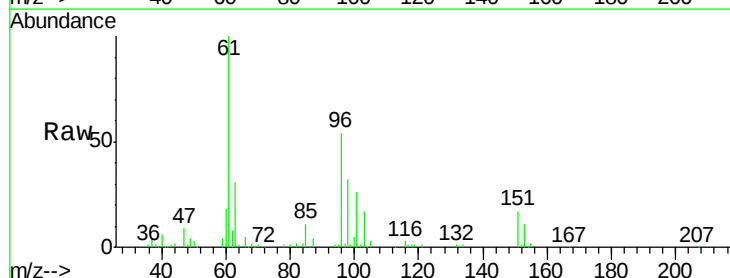
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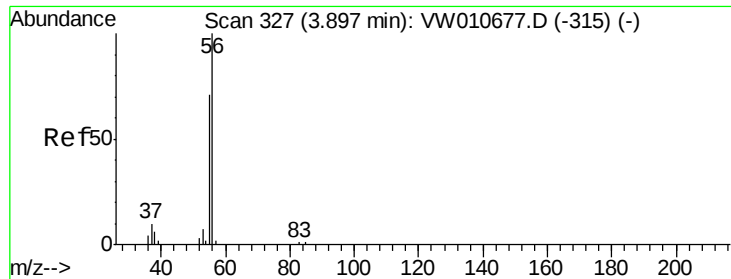
MMDadoda
6/20/2019 12:00:27 PM



#12
1,1-Dichloroethene
Concen: 20.604 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion: 96 Resp: 46091
Ion Ratio Lower Upper
96 100
61 186.4 149.1 223.7
98 59.8 51.1 76.7





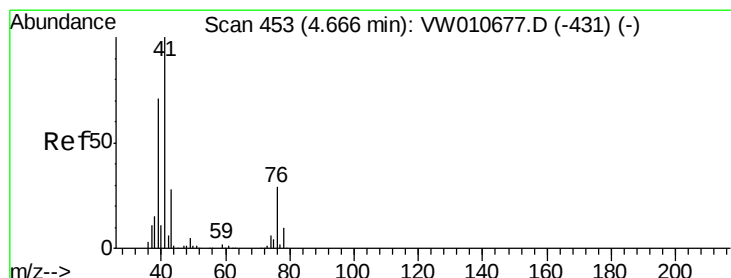
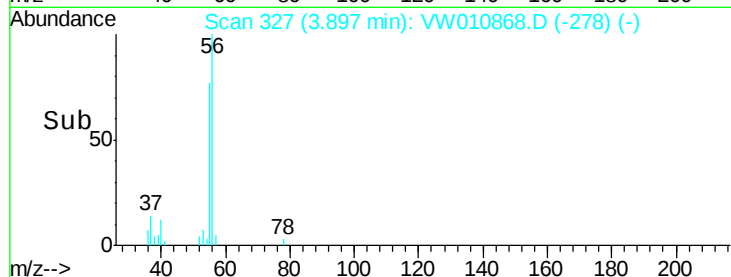
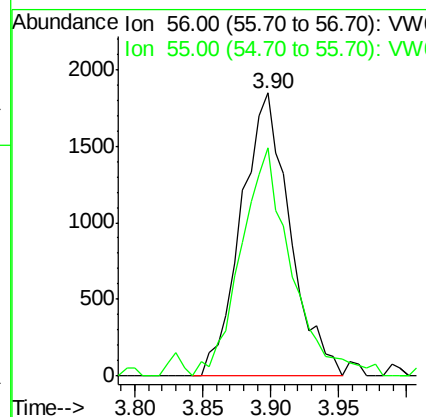
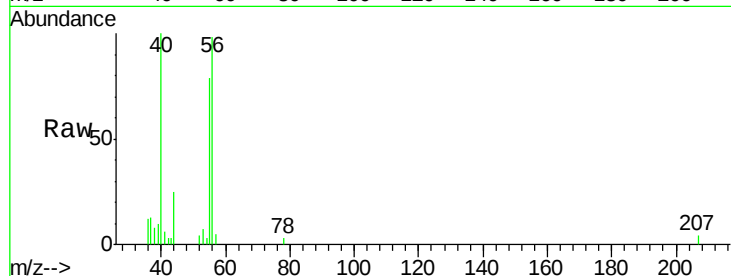
#13
Acrolein
Concen: 50.934 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	83.6	57.6	86.4

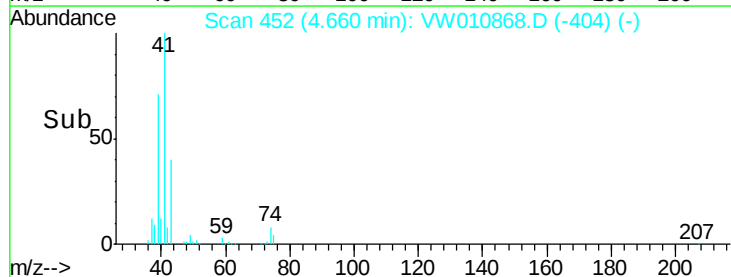
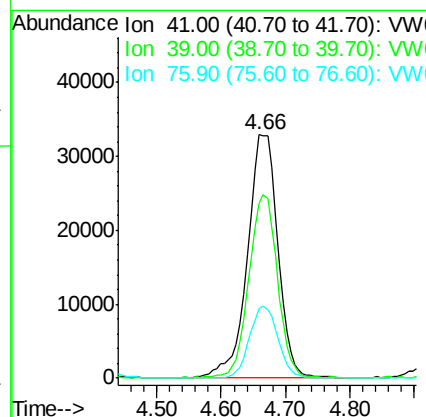
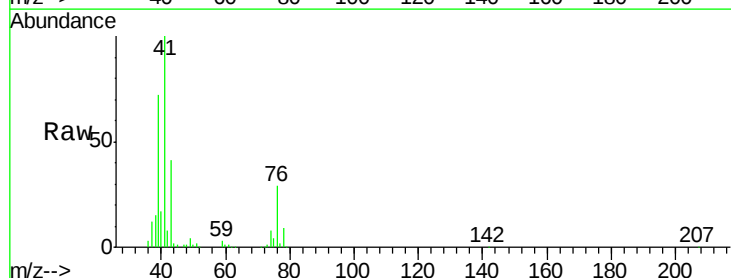
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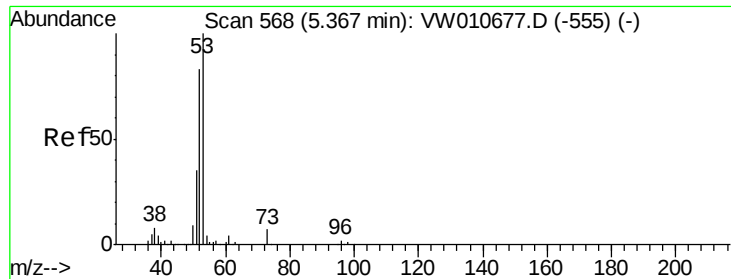
MMDadoda
6/20/2019 12:00:27 PM



#14
Allyl chloride
Concen: 21.551 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.4	55.8	83.6
76	27.5	22.7	34.1





#15

Acrylonitrile

Concen: 118.343 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

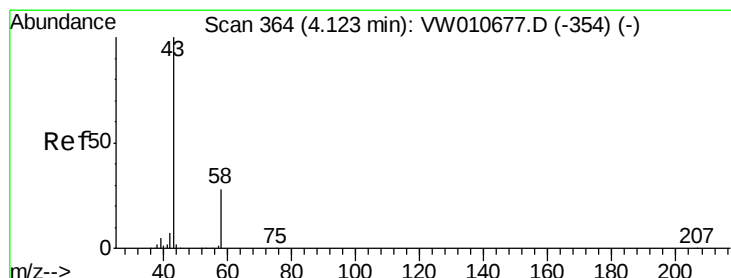
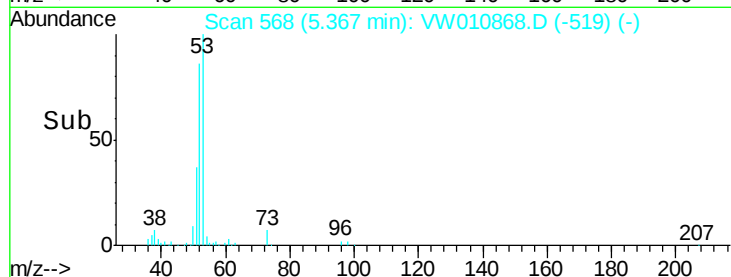
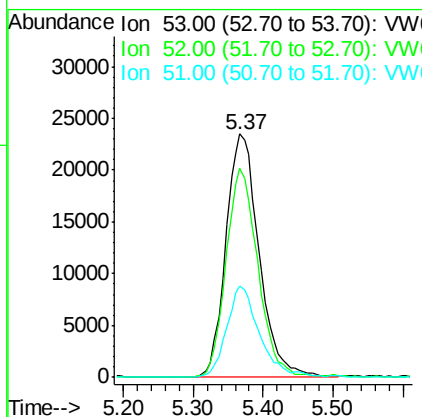
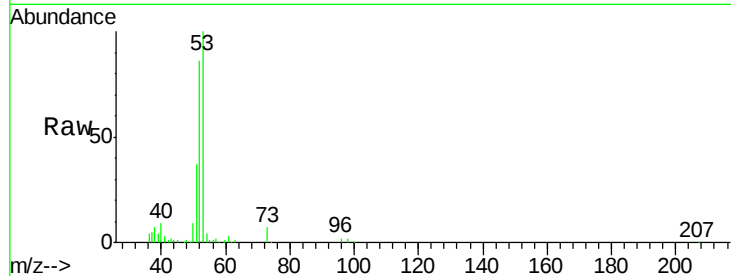
ClientSampleId :

VW0619SBS02

Tot Ion:	53	Resp:	77496
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.6	100.0
51	37.2	29.8	44.8

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#16

Acetone

Concen: 106.743 ug/l

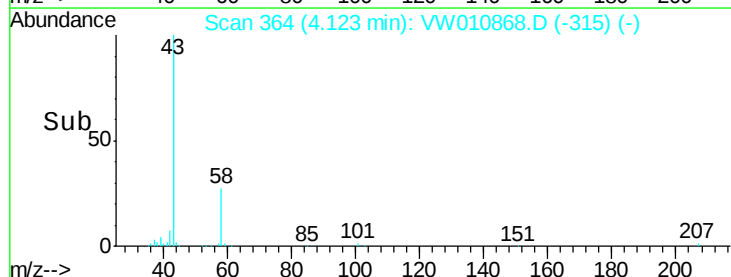
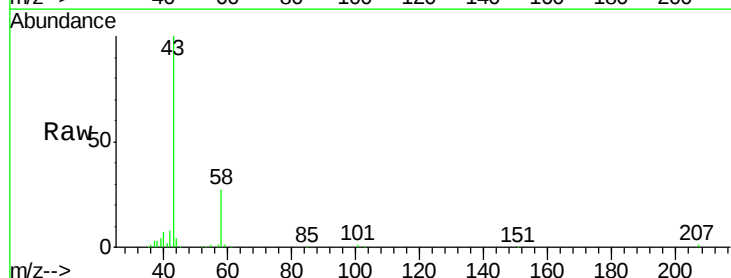
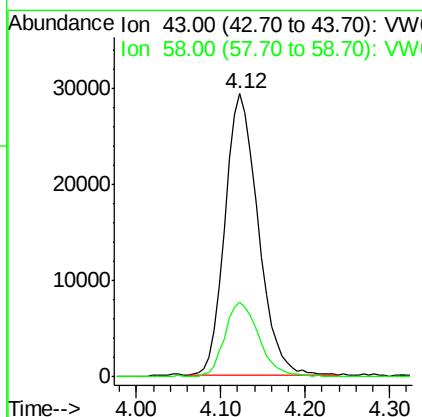
RT: 4.12 min Scan# 364

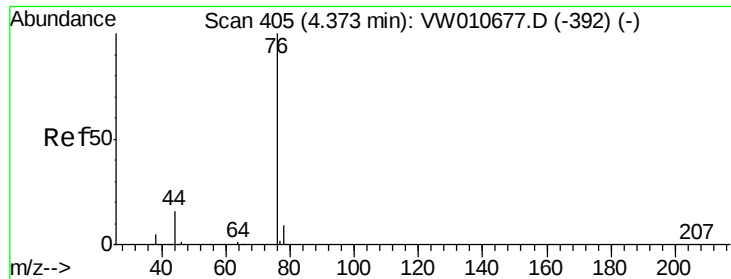
Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion:	43	Resp:	77980
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.1	33.1





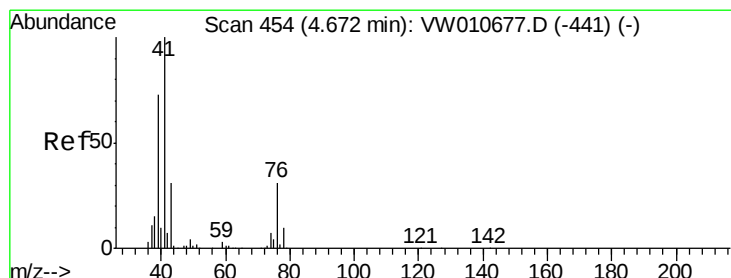
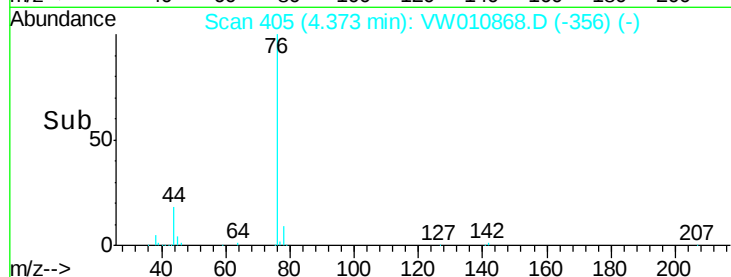
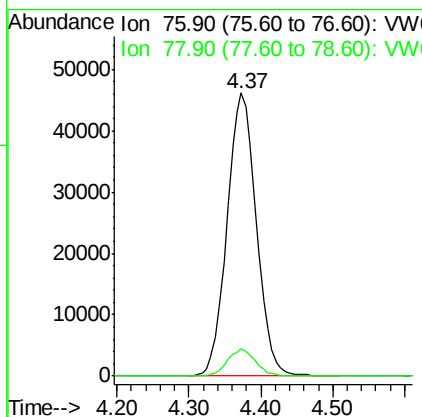
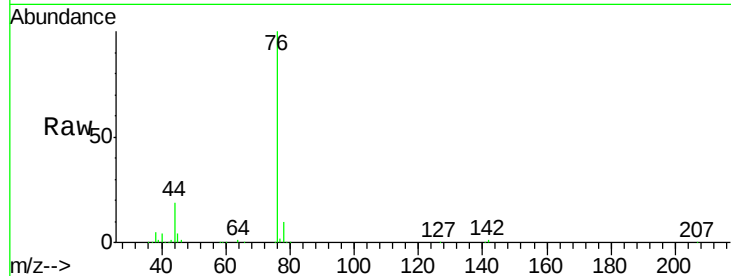
#17
Carbon Disulfide
Concen: 18.365 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.5	11.3

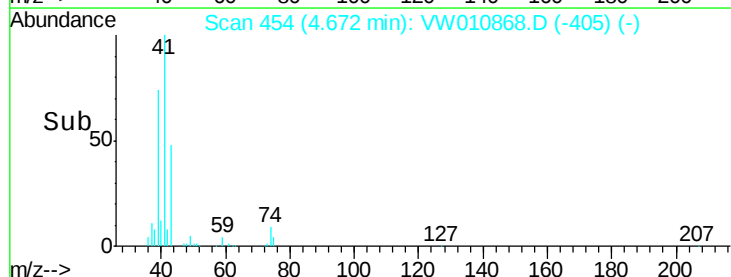
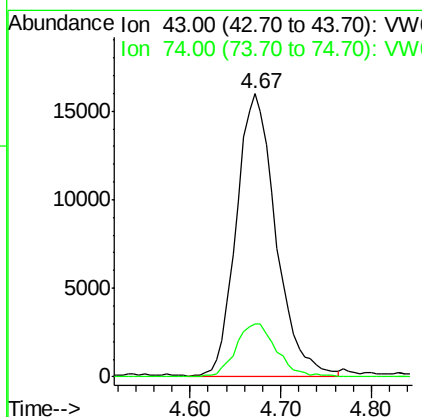
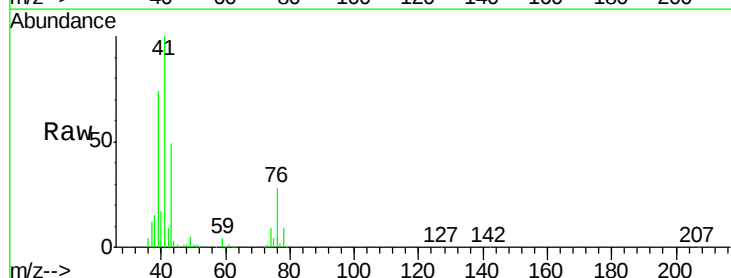
Manual Integrations
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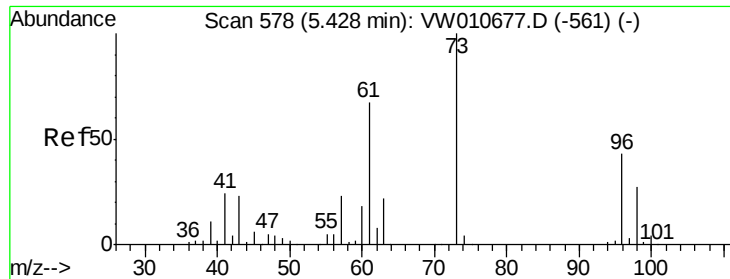
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#18
Methyl Acetate
Concen: 30.863 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	16.7	25.1





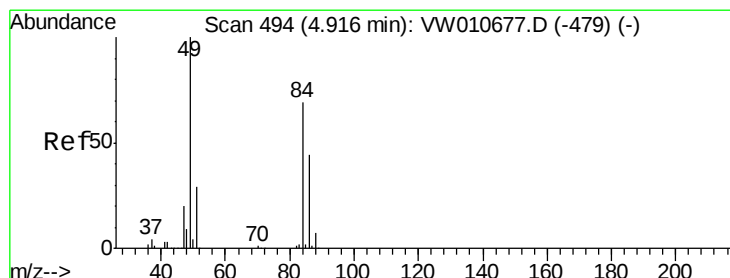
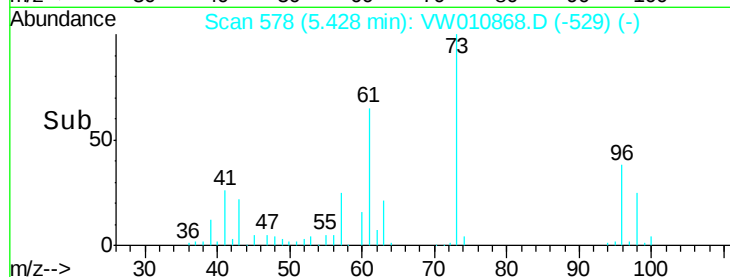
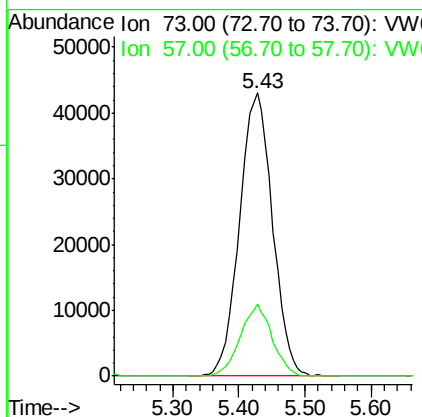
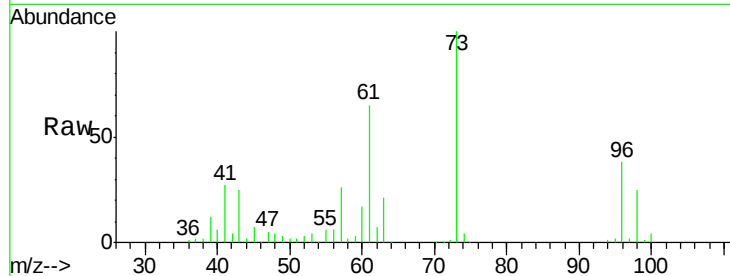
#19
Methyl tert-butyl Ether
Concen: 23.158 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 73 Resp: 149411
Ion Ratio Lower Upper
73 100
57 25.5 18.6 27.8

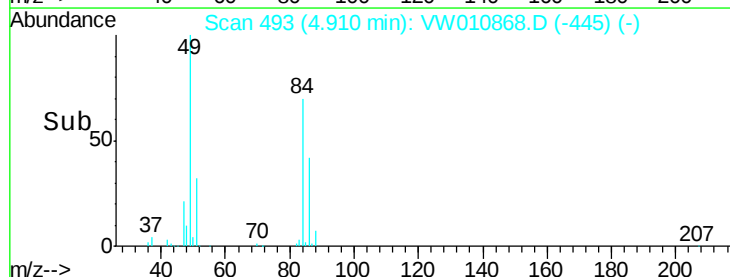
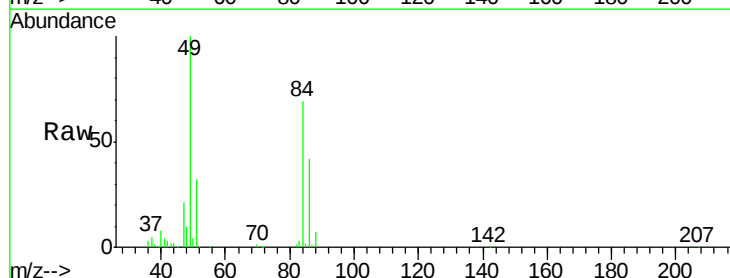
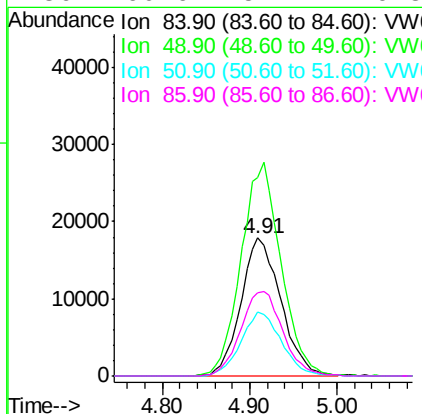
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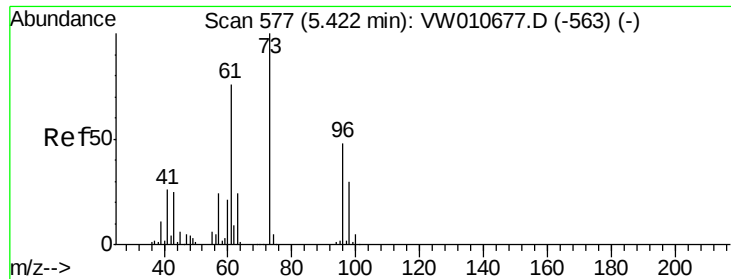
MMDadoda
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#20
Methylene Chloride
Concen: 22.158 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion: 84 Resp: 56788
Ion Ratio Lower Upper
84 100
49 144.4 116.7 175.1
51 46.1 34.2 51.2
86 60.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 21.311 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

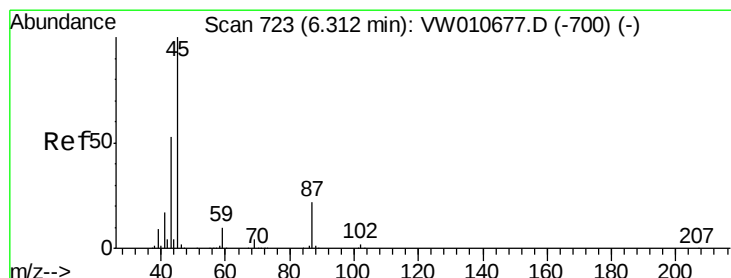
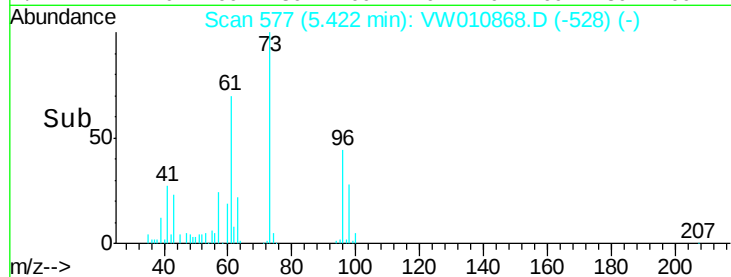
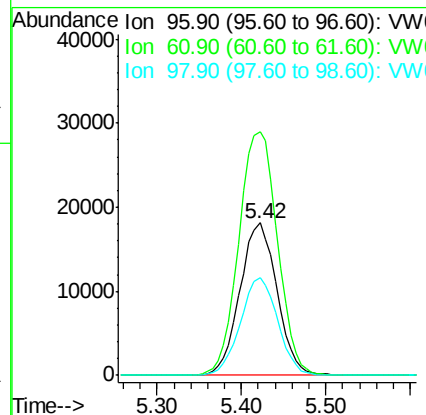
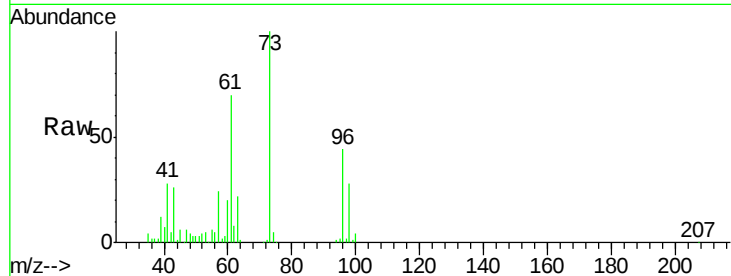
ClientSampleId :

VW0619SBS02

Tot Ion:	96	Resp:	54117
Ion	Ratio	Lower	Upper
96	100		
61	159.7	126.0	189.0
98	63.9	49.6	74.4

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#22

Diisopropyl ether

Concen: 23.644 ug/l

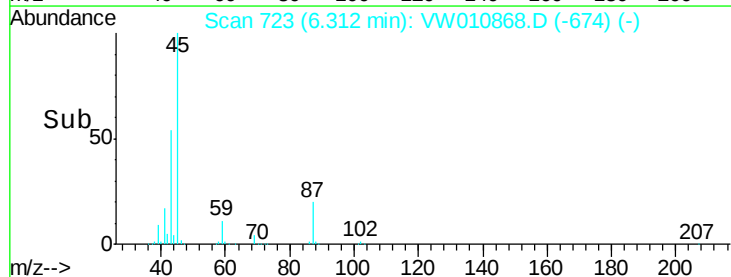
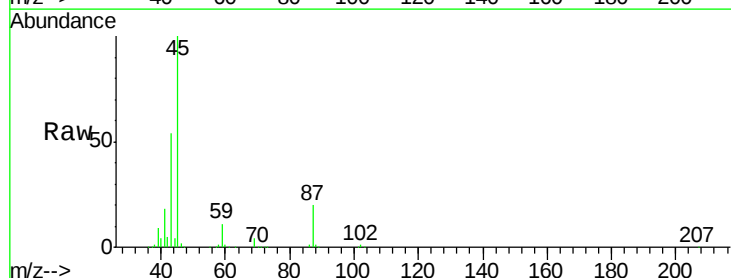
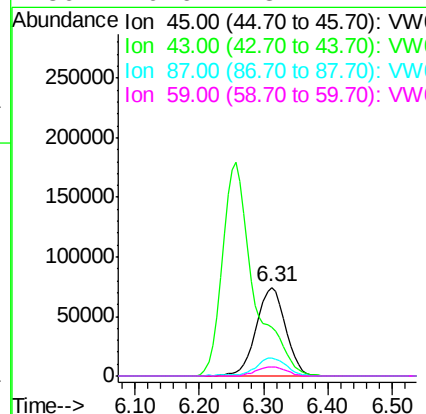
RT: 6.31 min Scan# 723

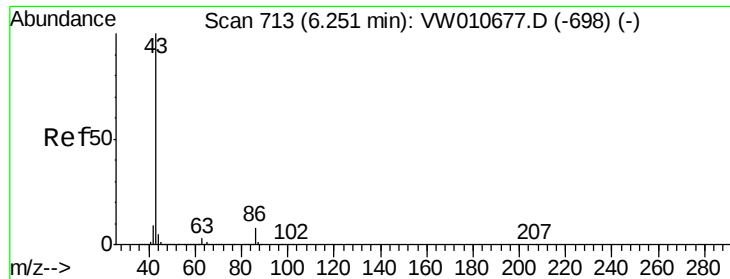
Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion:	45	Resp:	233479
Ion	Ratio	Lower	Upper
45	100		
43	54.0	42.5	63.7
87	20.3	17.4	26.2
59	10.6	8.1	12.1





#23

Vinyl Acetate

Concen: 102.755 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 43 Resp: 612352

Ion Ratio Lower Upper

43 100

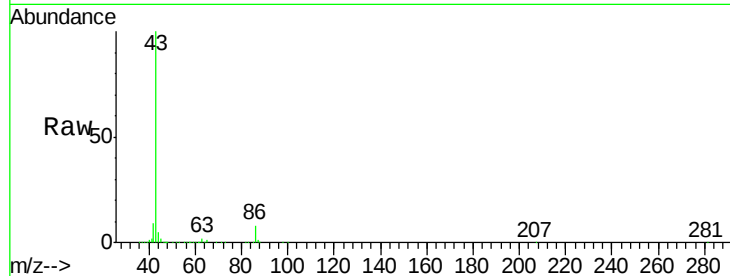
86 8.2 6.6 10.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

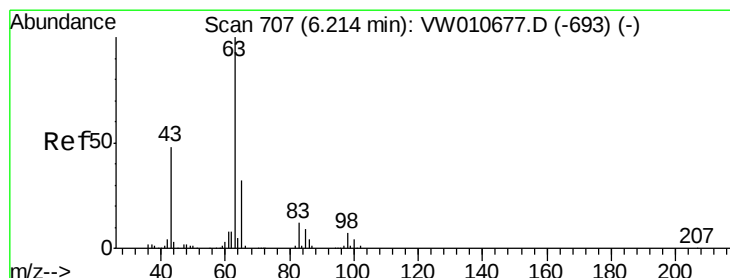
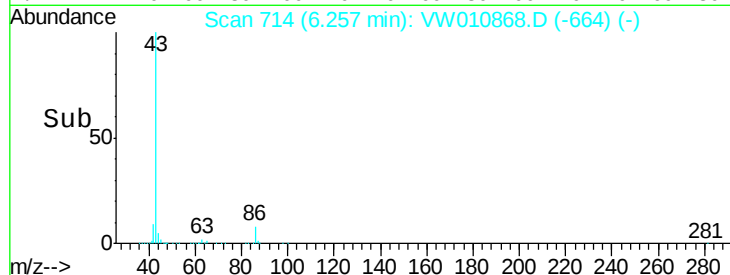
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.929 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

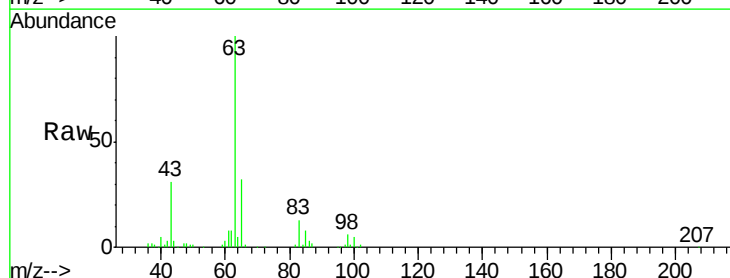
Tgt Ion: 63 Resp: 113468

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.5 2.1 6.3



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

50000

40000

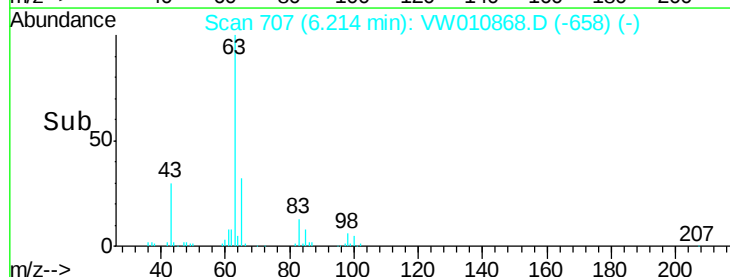
30000

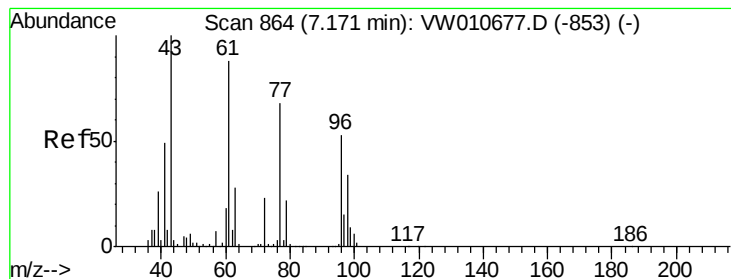
20000

10000

0

Time-->





#25

2-Butanone

Concen: 121.405 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampled :

VW0619SBS02

Tot Ion: 43 Resp: 122983

Ion Ratio Lower Upper

43 100

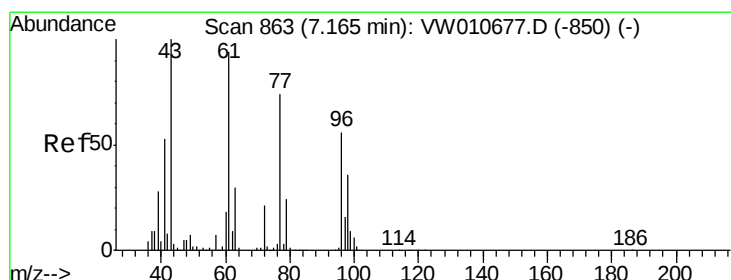
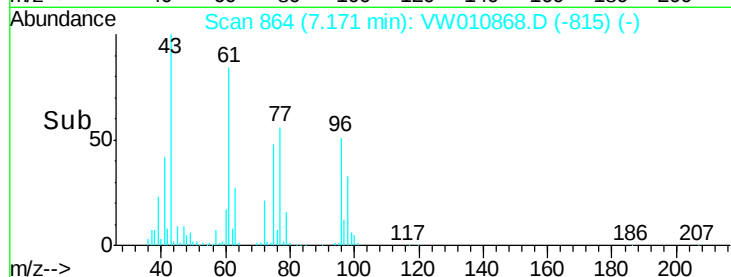
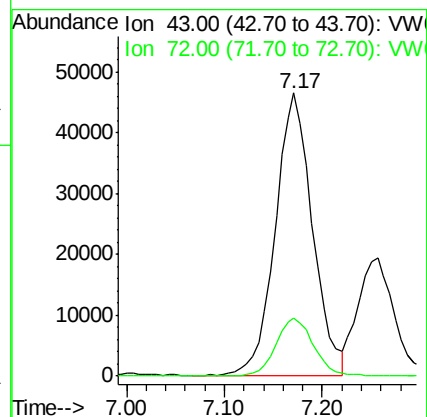
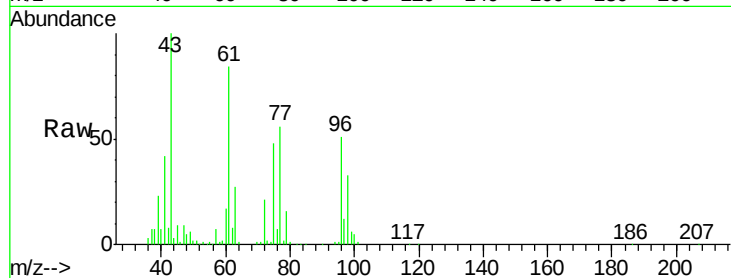
72 20.6 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

6/20/2019 12:00:27 PM



#26

2,2-Dichloropropane

Concen: 20.523 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010868.D

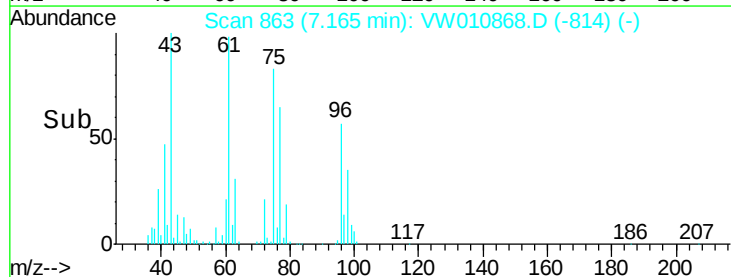
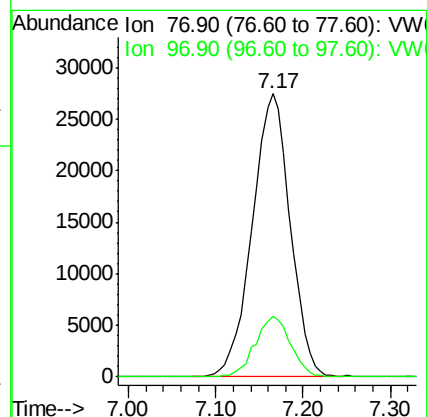
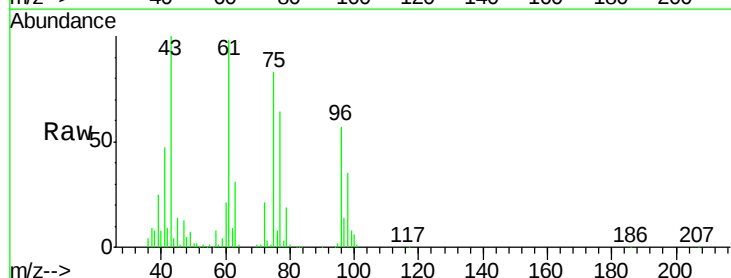
Acq: 20 Jun 2019 01:21

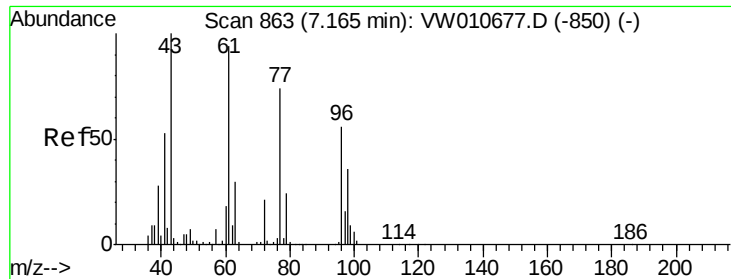
Tgt Ion: 77 Resp: 82644

Ion Ratio Lower Upper

77 100

97 19.9 10.5 31.6





#27

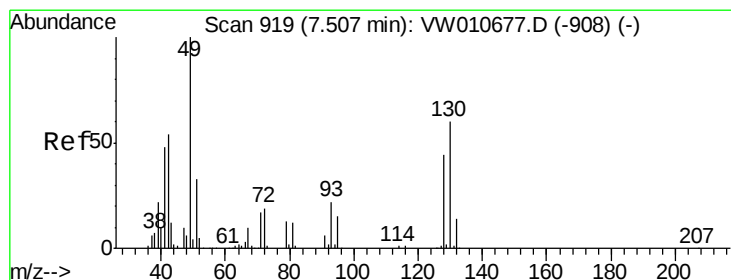
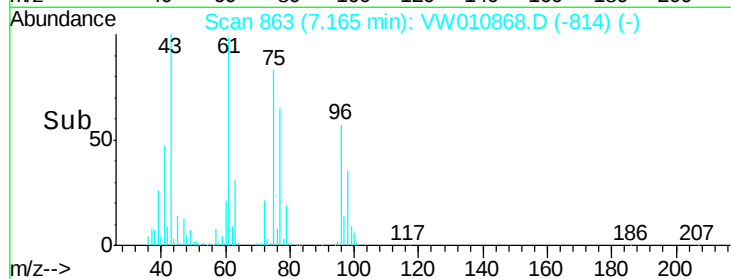
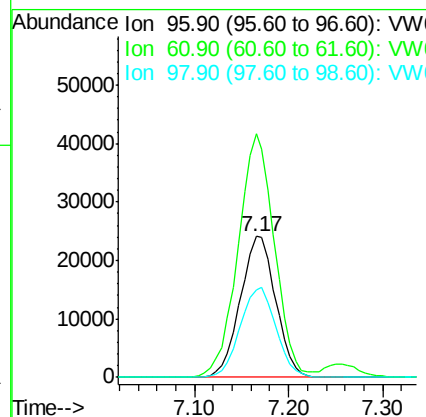
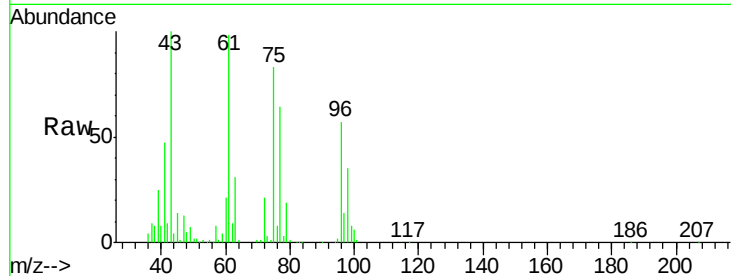
cis-1,2-Dichloroethene
Concen: 22.563 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63055		
61	176.9	0.0	336.4	
98	64.4	0.0	128.0	

Manual Integrations
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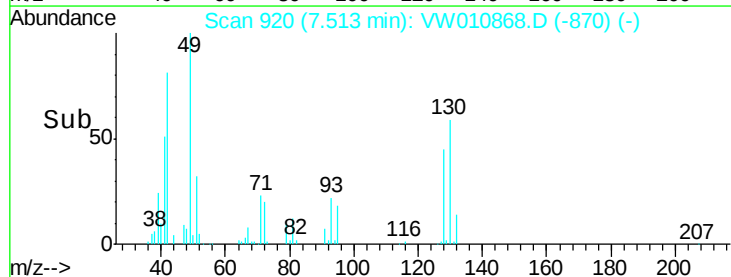
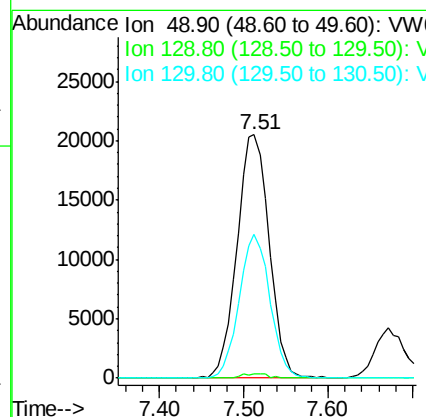
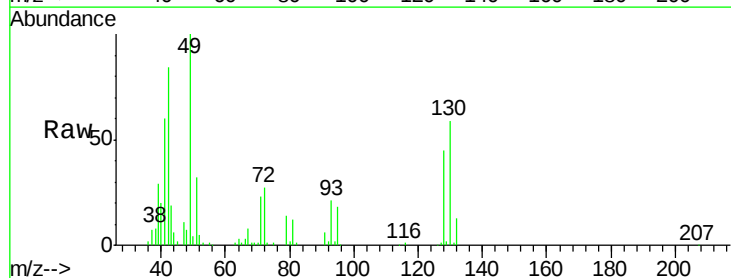
MMDadoda
6/20/2019 12:00:27 PM

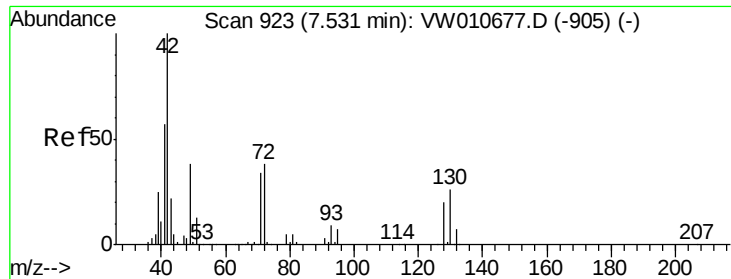


#28

Bromochloromethane
Concen: 23.954 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52902		
129	1.4	0.0	3.2	
130	56.0	48.3	72.5	





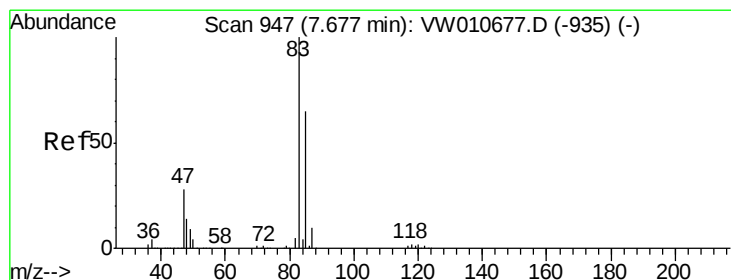
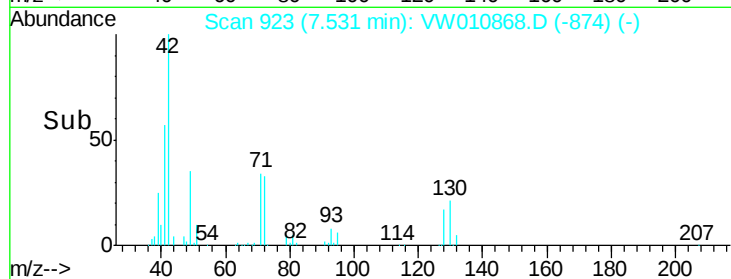
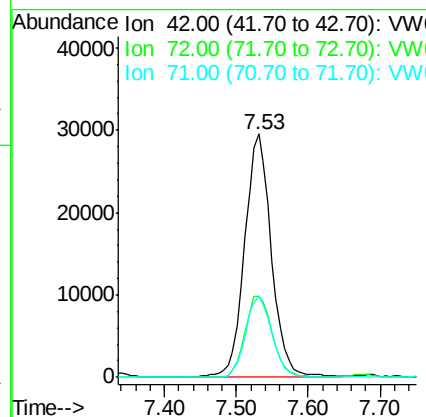
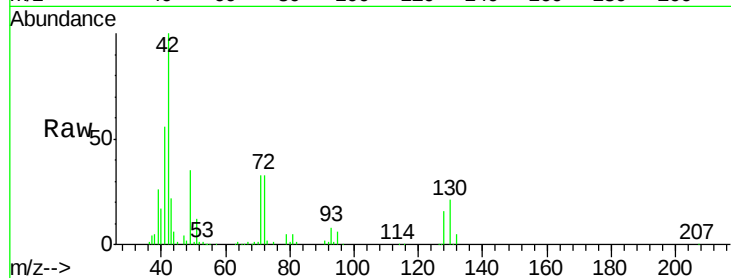
#29
Tetrahydrofuran
Concen: 118.498 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	28.7	43.1
71	33.3	26.6	39.8

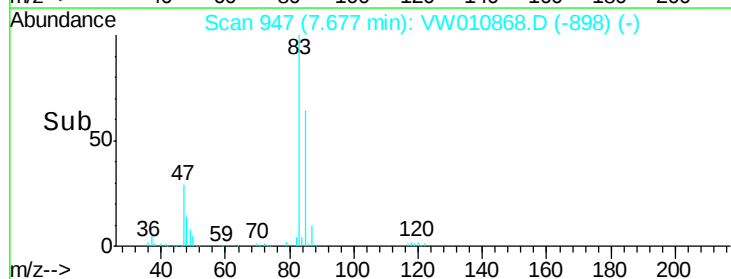
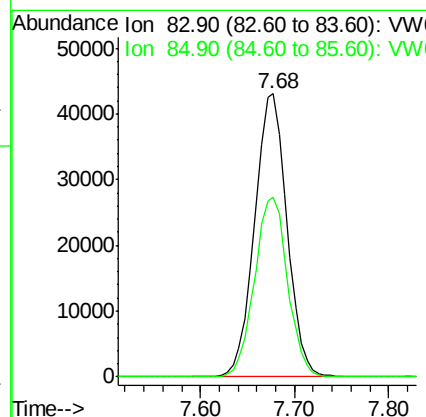
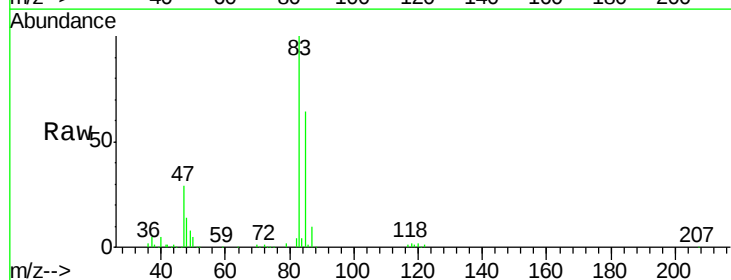
Manual Integrations
APPROVED

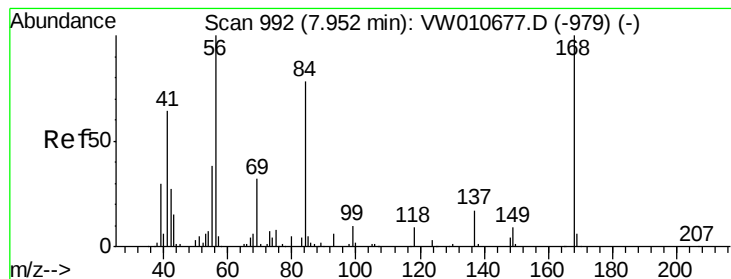
MMDadoda
6/20/2019 12:00:27 PM



#30
Chloroform
Concen: 22.893 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8





#31

Cvclohexane

Concen: 19.778 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

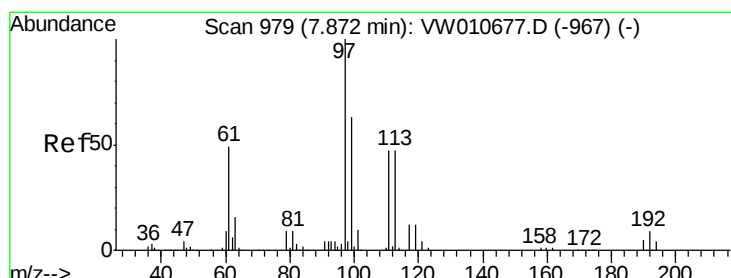
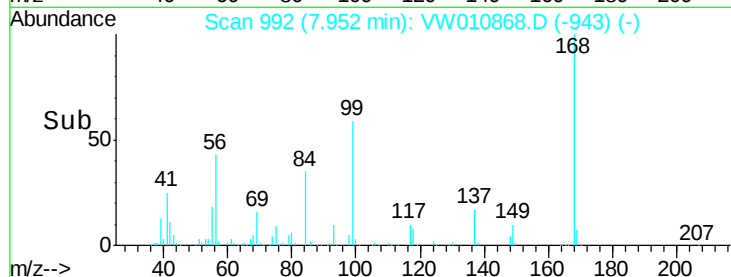
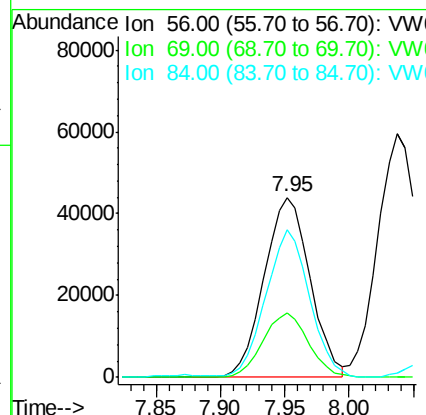
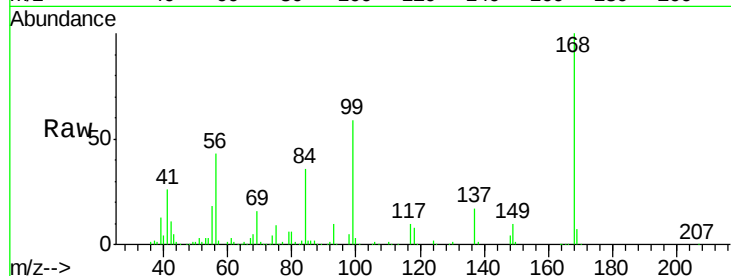
ClientSampleId :

VW0619SBS02

Tot Ion:	56	Resp:	108802
Ion Ratio	Lower	Upper	
56	100		
69	36.1	25.2	37.8
84	80.9	62.2	93.2

Manual Integrations
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6/20/2019 12:00:27 PM



#32

1,1,1-Trichloroethane

Concen: 21.557 ug/l

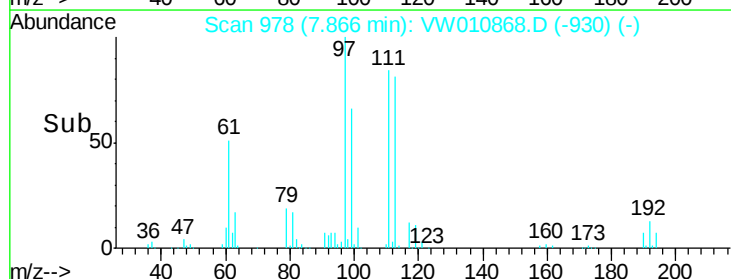
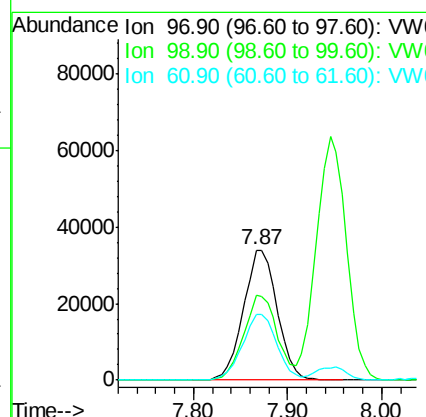
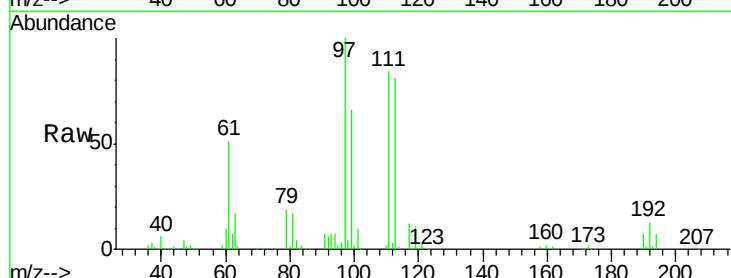
RT: 7.87 min Scan# 978

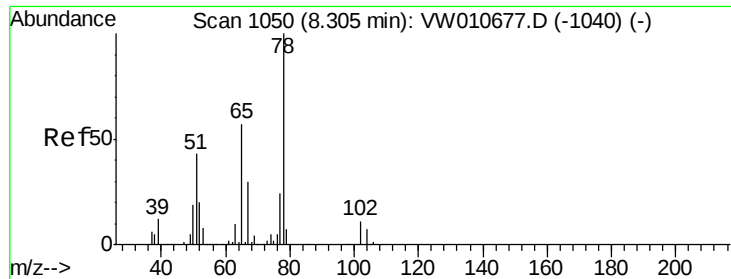
Delta R.T. -0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion:	97	Resp:	85237
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.3	76.9
61	51.1	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 58.665 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 65 Resp: 159947

Ion Ratio Lower Upper

65 100

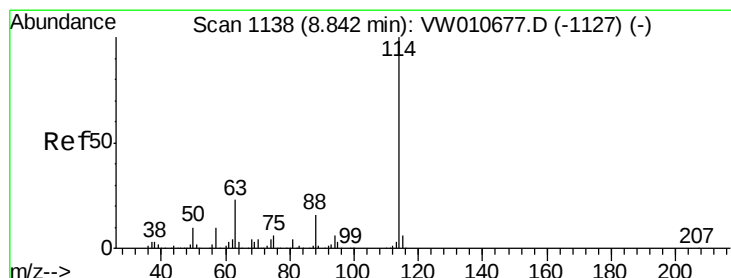
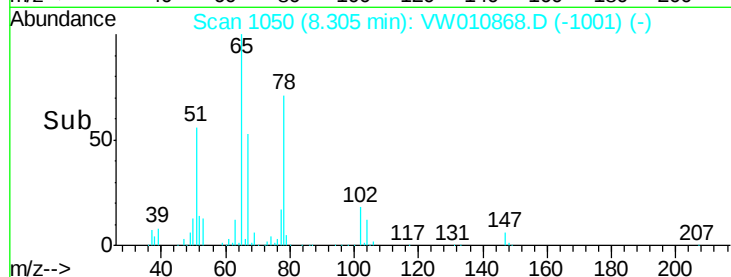
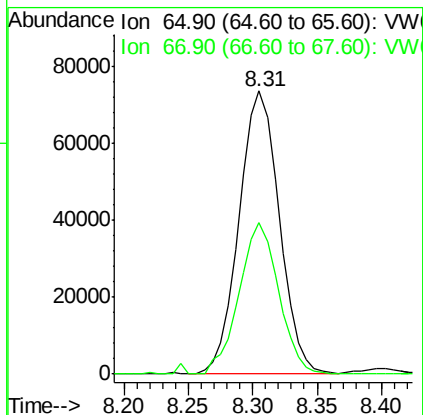
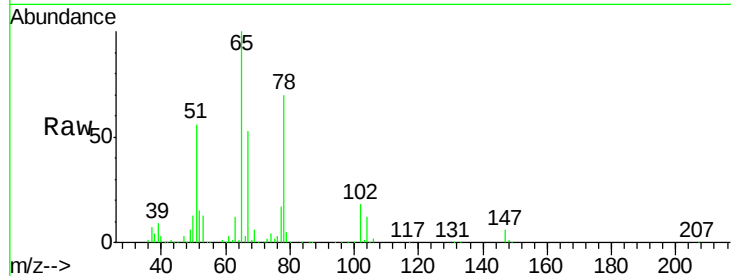
67 52.5 0.0 102.6

Manual Integrations

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6/20/2019 12:00:27 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

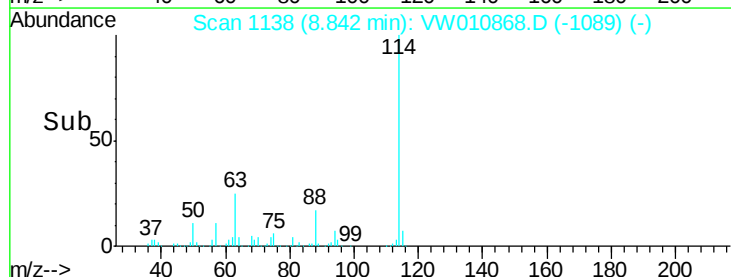
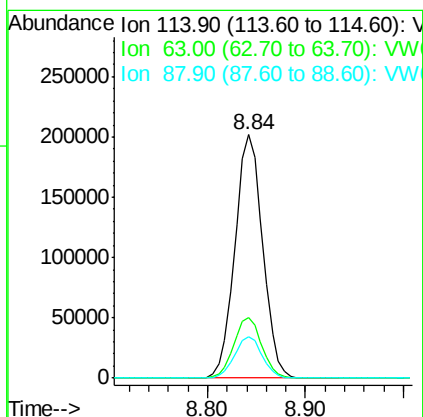
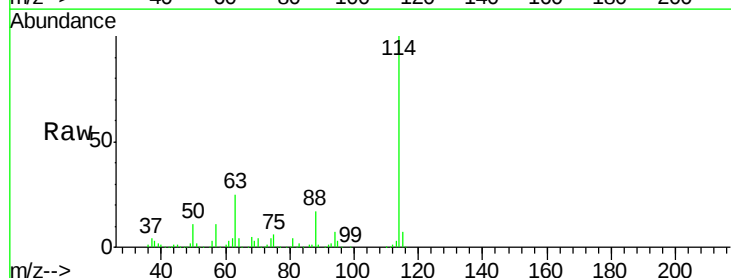
Tgt Ion: 114 Resp: 396575

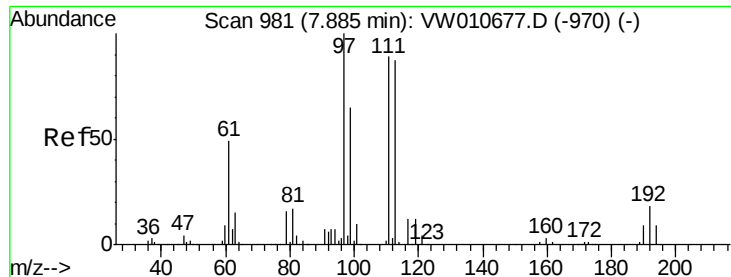
Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.4

88 16.9 0.0 32.2





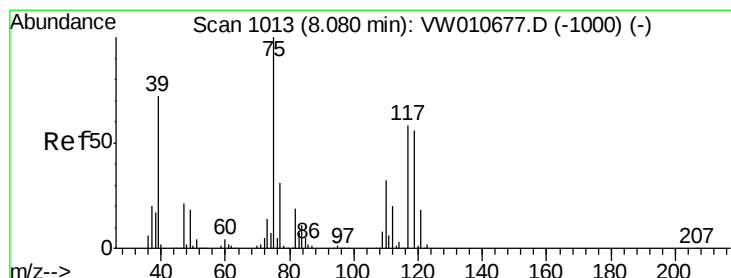
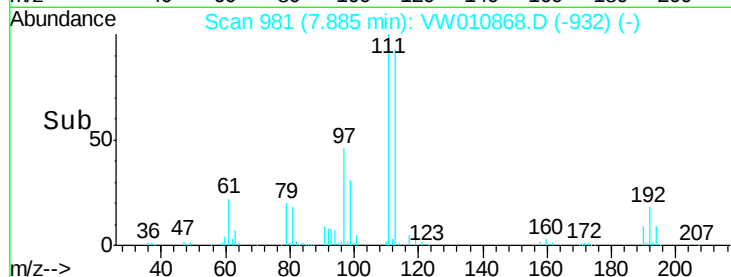
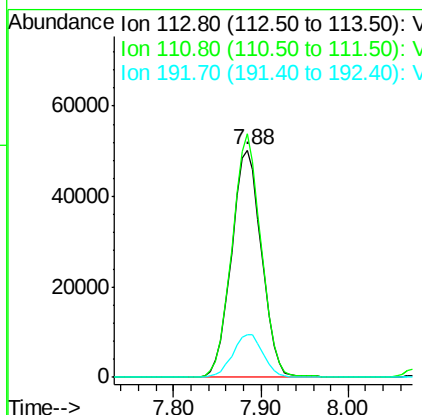
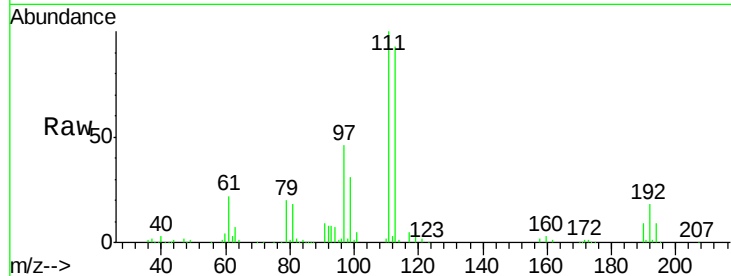
#35
 Dibromofluoromethane
 Concen: 55.776 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.6	123.8	
192	19.0	16.4	24.6	

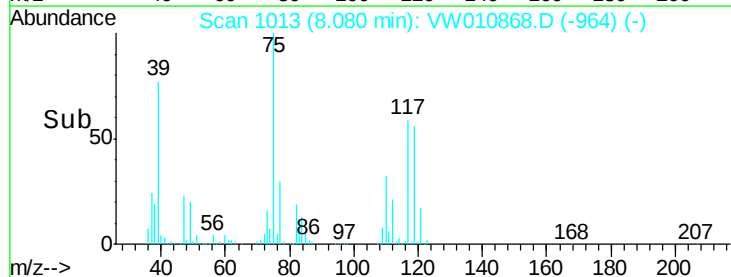
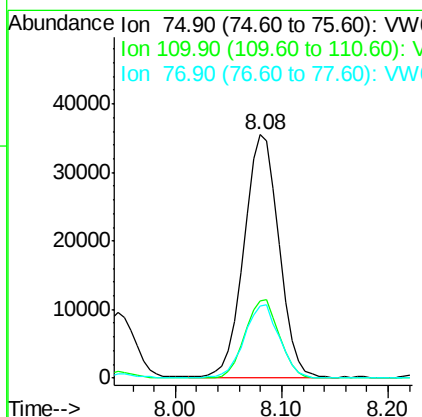
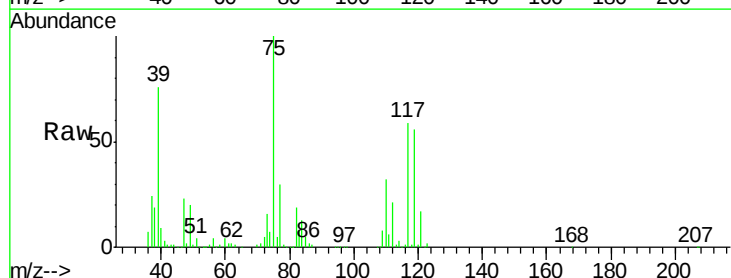
Manual Integrations
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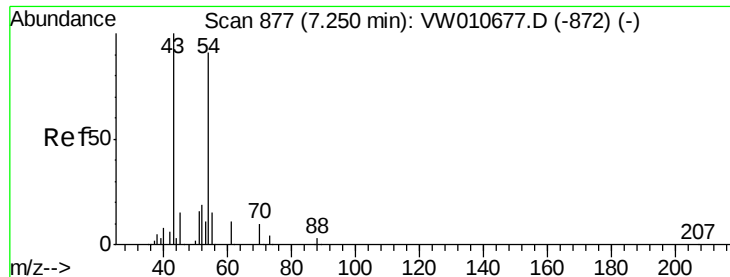
MMDadoda
 6/20/2019 12:00:27 PM



#36
 1,1-Dichloropropene
 Concen: 20.093 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.8	15.8	47.3	
77	30.5	24.7	37.1	





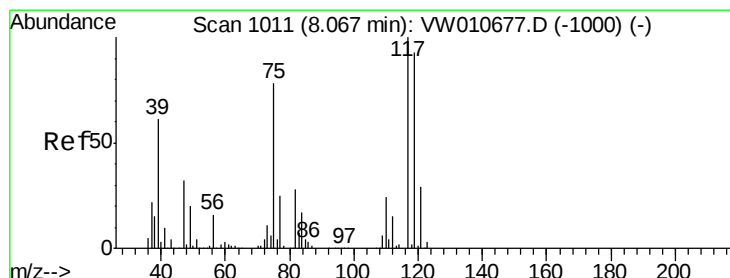
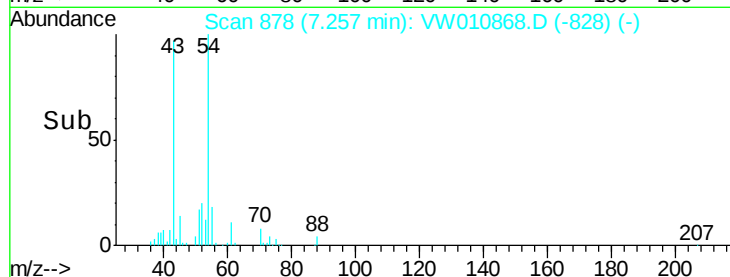
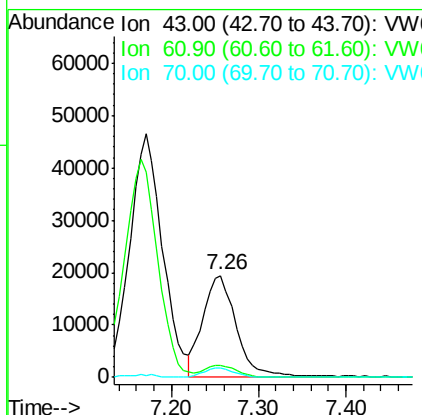
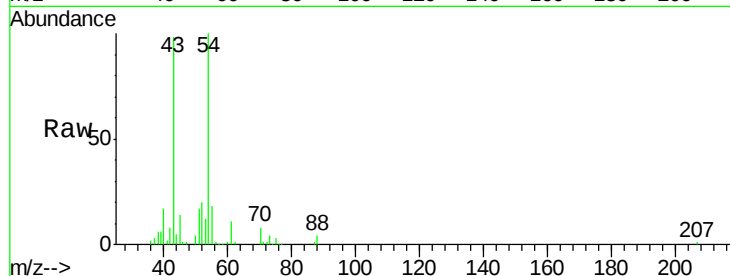
#37
Ethyl Acetate
Concen: 22.691 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 43 Resp: 51044
Ion Ratio Lower Upper
43 100
61 12.0 9.7 14.5
70 8.8 7.2 10.8

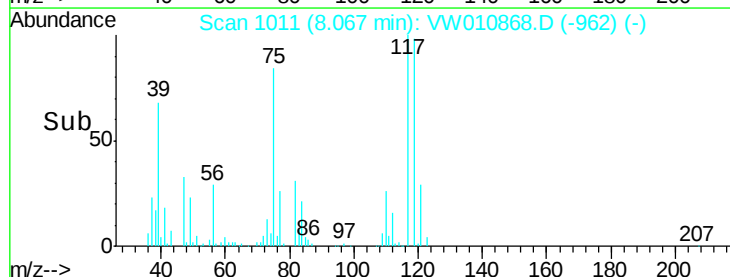
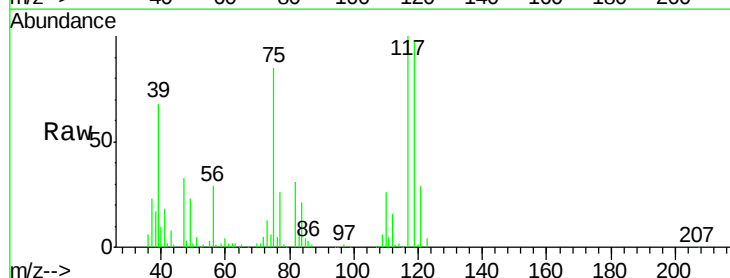
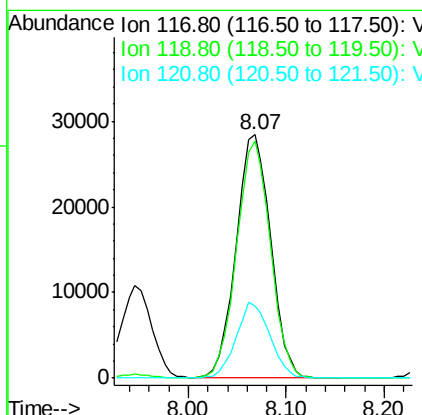
Manual Integrations
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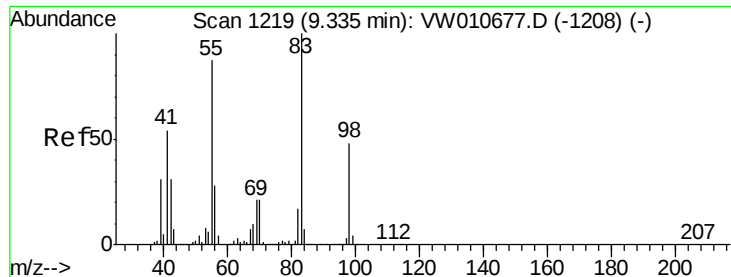
MMDadoda
6/20/2019 12:00:27 PM



#38
Carbon Tetrachloride
Concen: 19.899 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion: 117 Resp: 69731
Ion Ratio Lower Upper
117 100
119 97.7 74.2 111.4
121 29.4 22.9 34.3





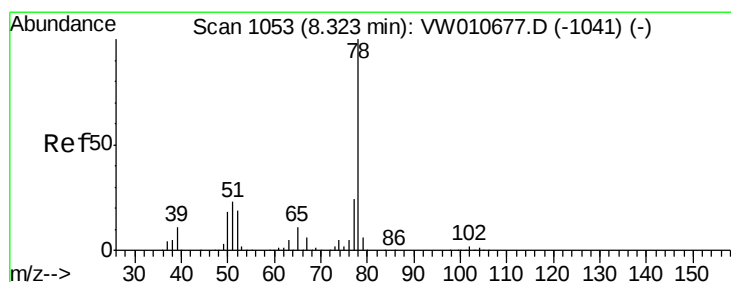
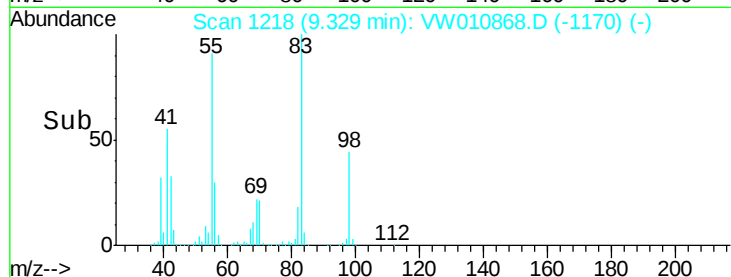
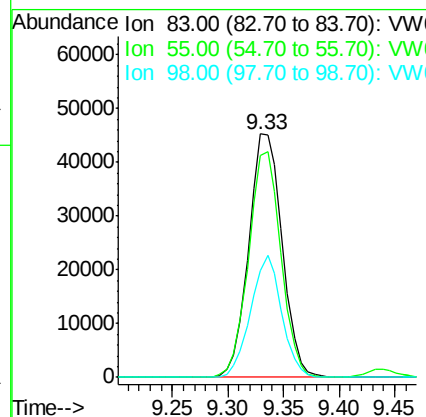
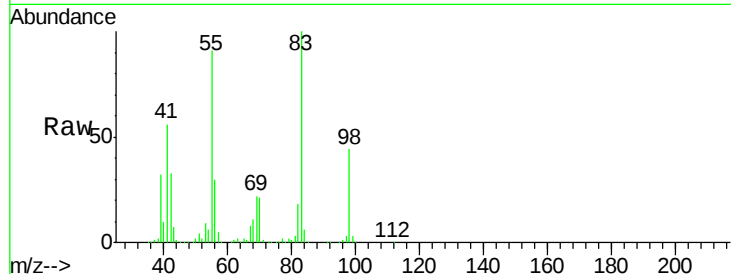
#39
Methvlcvclohexane
Concen: 18.340 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.9	70.0	105.0
98	44.0	38.1	57.1

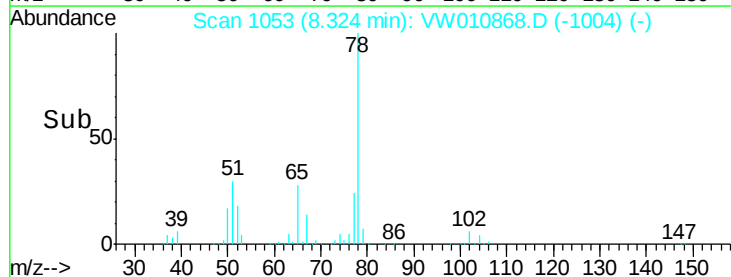
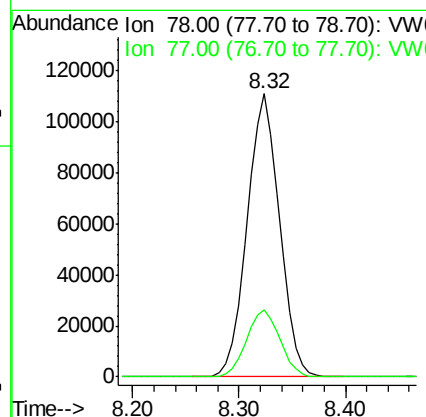
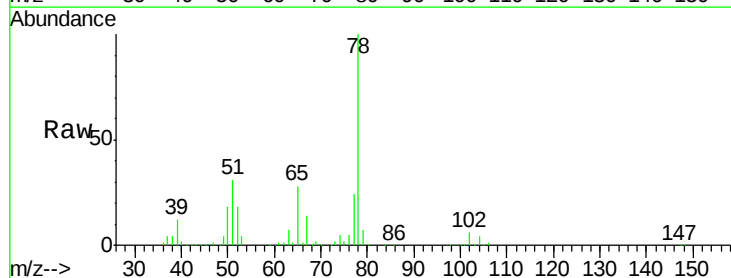
Manual Integrations
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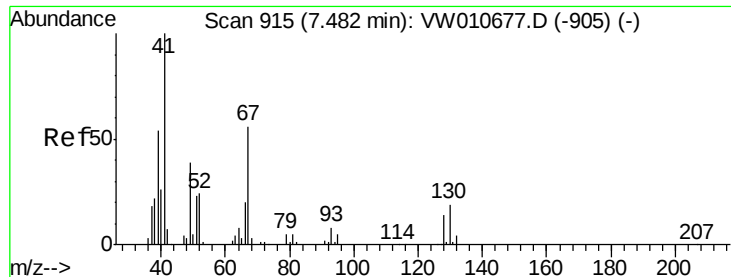
MMDadoda
6/20/2019 12:00:27 PM



#40
Benzene
Concen: 21.467 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





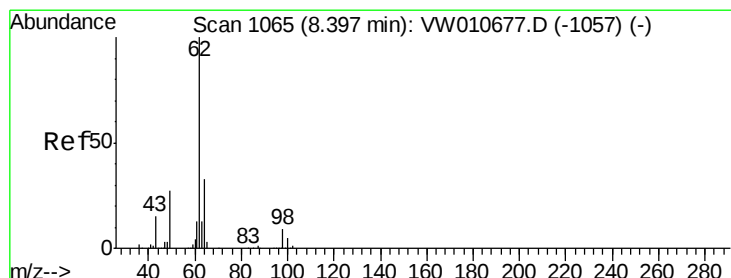
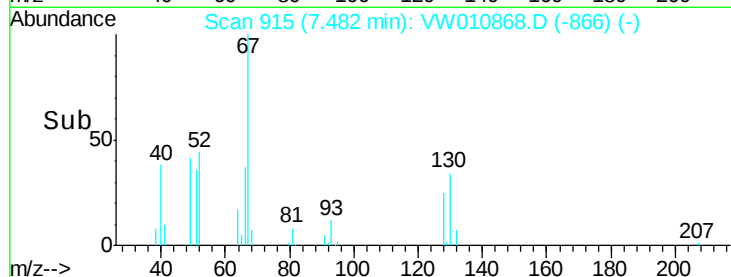
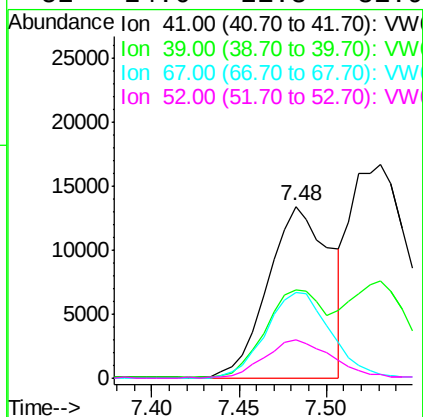
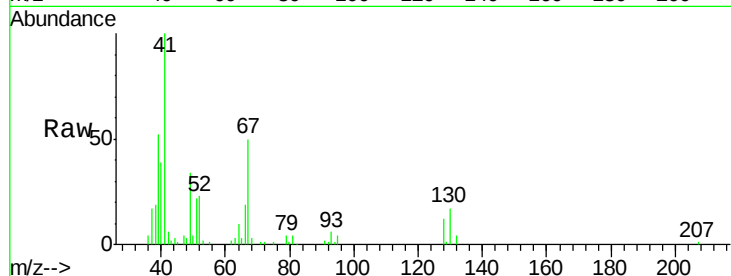
#41
Methacrylonitrile
Concen: 24.913 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ion	Ratio	Lower	Upper
33311	41	100		
	39	47.7	47.3	70.9
	67	52.2	47.2	70.8
	52	24.6	21.3	31.9

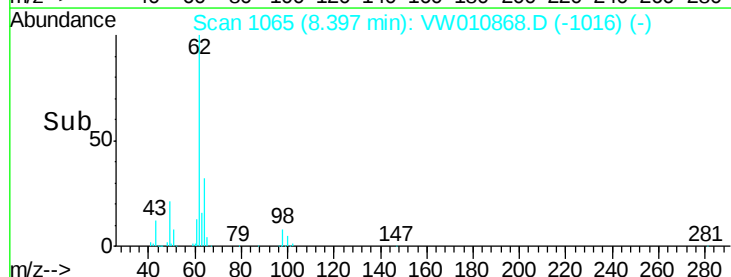
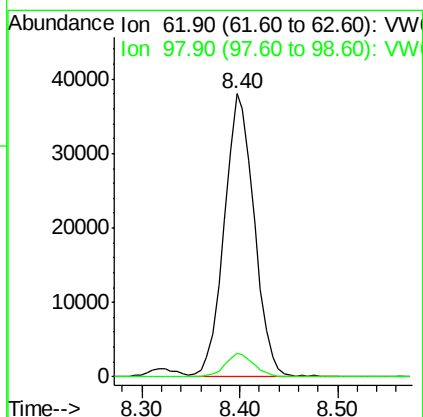
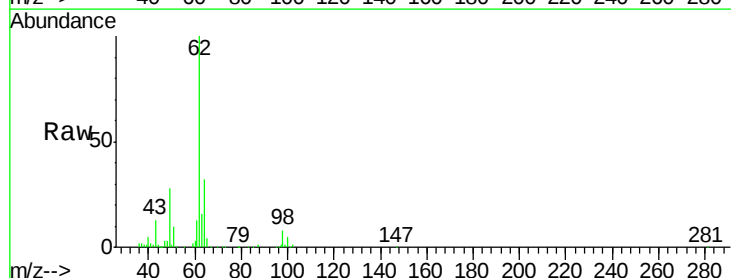
Manual Integrations
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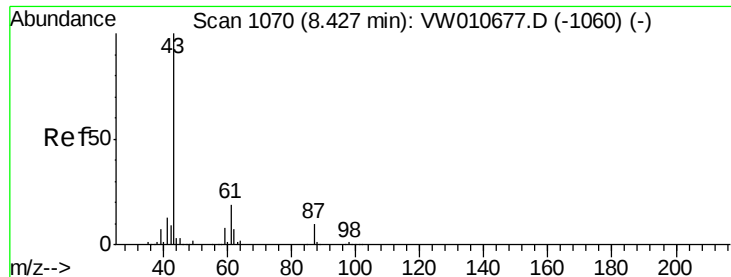
MMDadoda
6/20/2019 12:00:27 PM



#42
1,2-Dichloroethane
Concen: 22.931 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ion	Ratio	Lower	Upper
80598	62	100		
	98	7.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 22.535 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

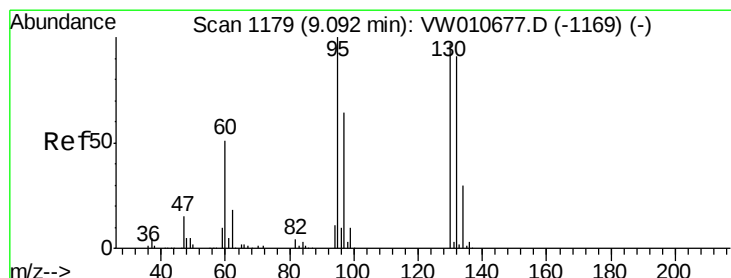
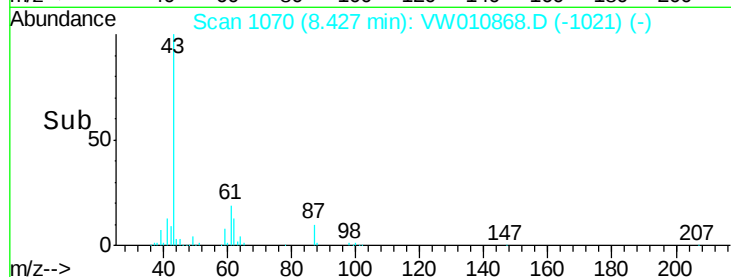
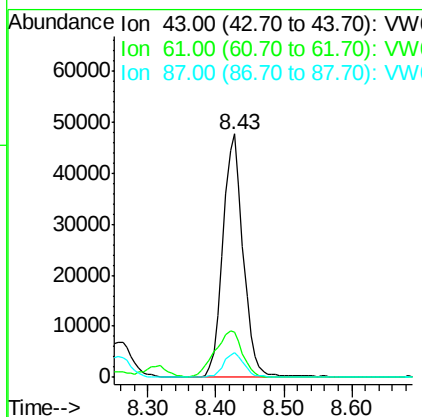
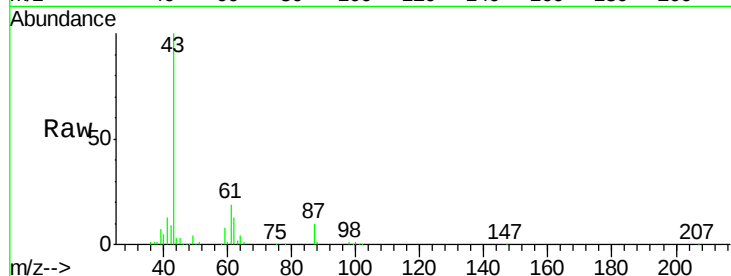
ClientSampleId :

VW0619SBS02

Tot Ion:	43	Resp:	97935
Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.2	31.8
87	10.1	8.3	12.5

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#44

Trichloroethene

Concen: 20.904 ug/l

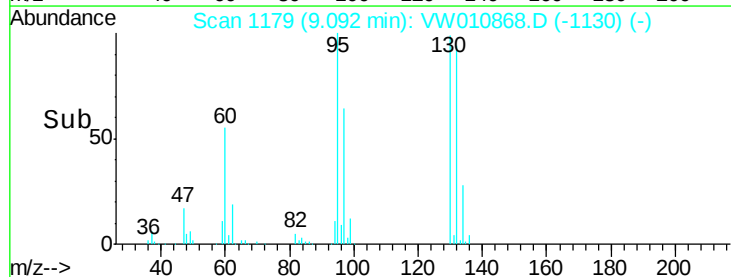
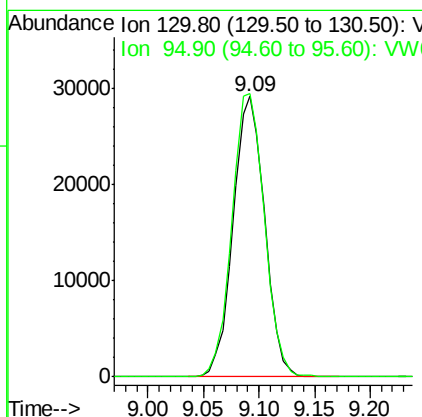
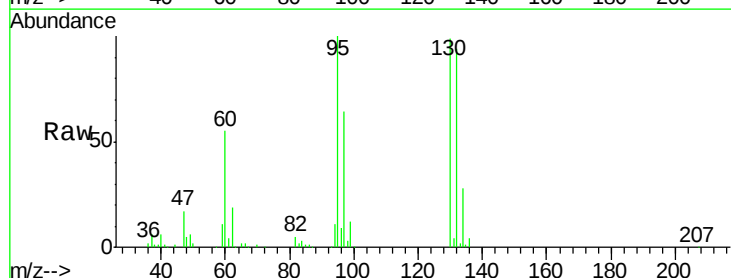
RT: 9.09 min Scan# 1179

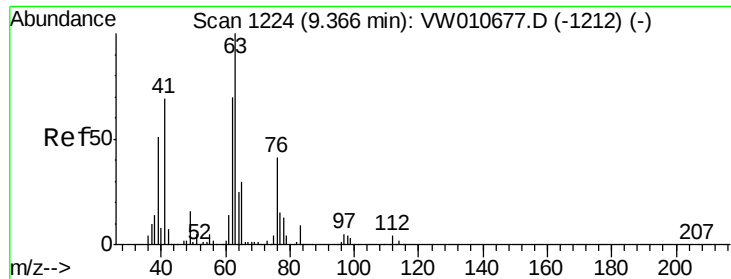
Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion:	130	Resp:	57104
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	207.0





#45

1,2-Dichloropropane

Concen: 22.275 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 63 Resp: 65299

Ion Ratio Lower Upper

63 100

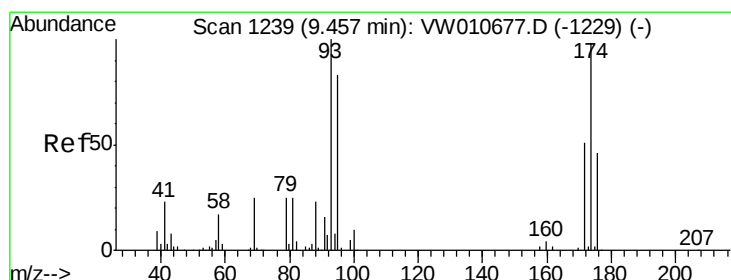
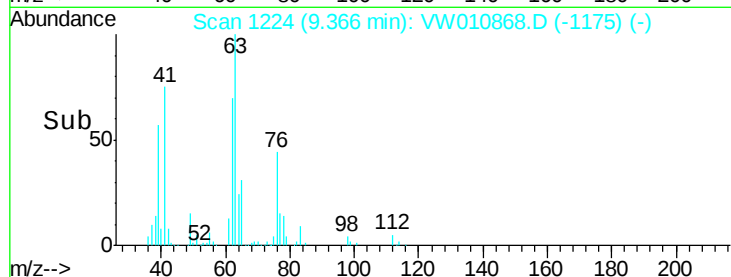
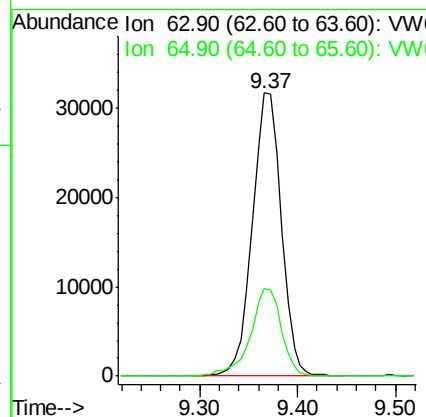
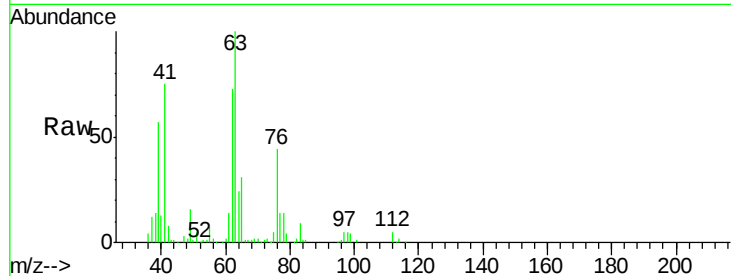
65 31.1 23.8 35.6

Manual Integrations

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6/20/2019 12:00:27 PM



#46

Dibromomethane

Concen: 22.082 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

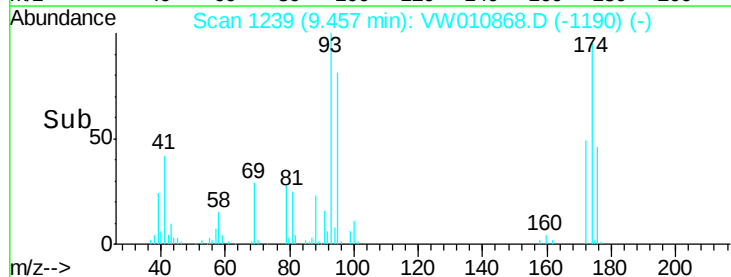
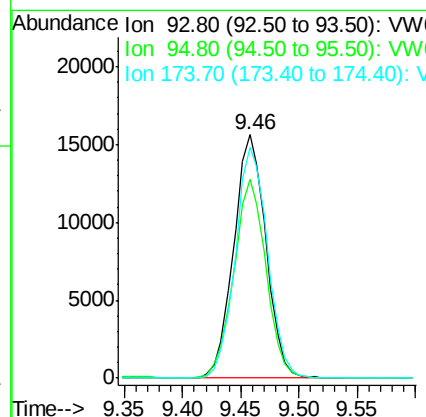
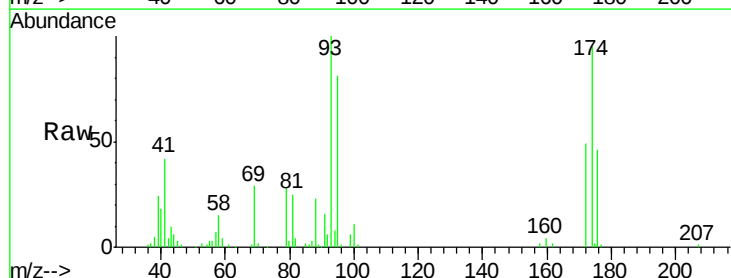
Tgt Ion: 93 Resp: 30067

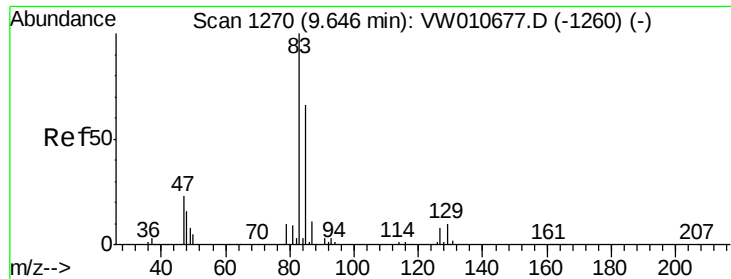
Ion Ratio Lower Upper

93 100

95 81.7 65.8 98.8

174 95.2 77.4 116.0





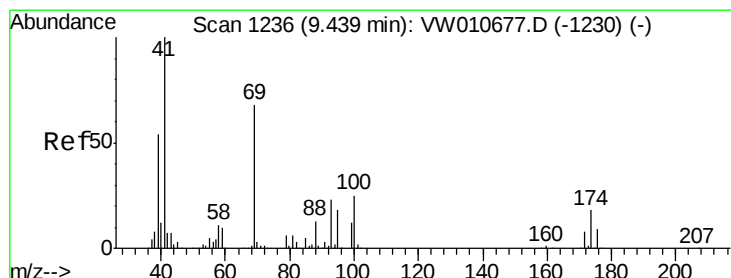
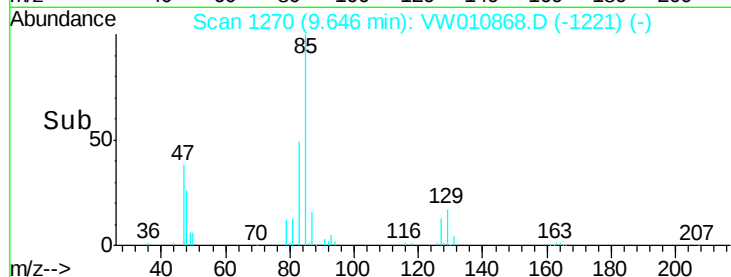
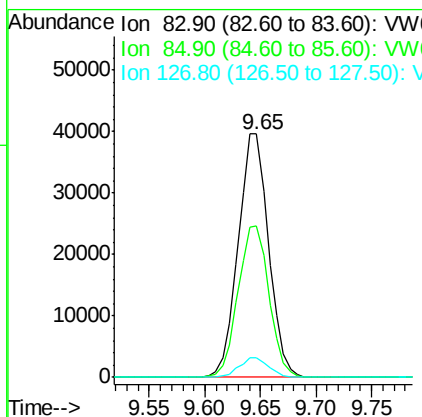
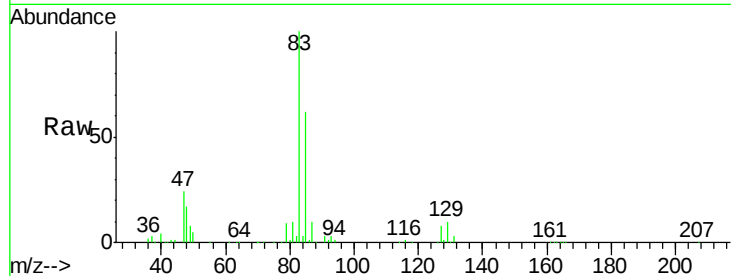
#47
Bromodichloromethane
Concen: 21.327 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	83	Resp	75273
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	53.0	79.4
127	8.1	6.4	9.6

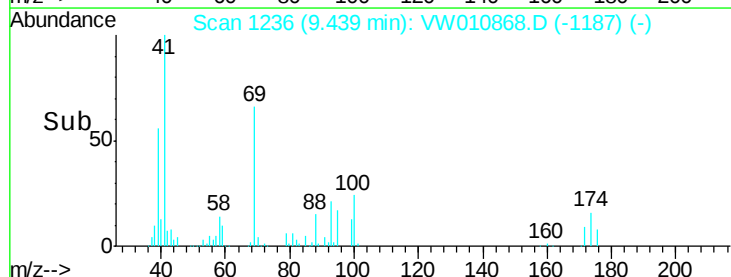
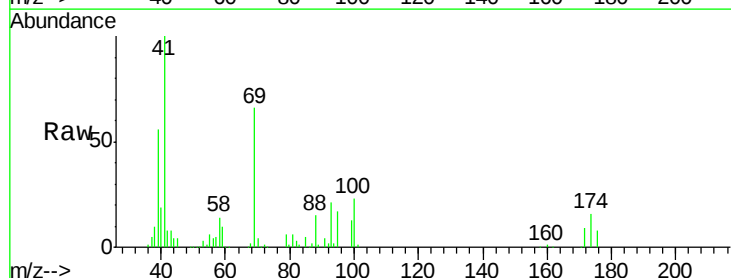
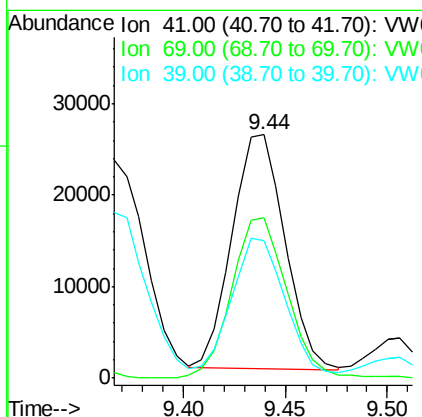
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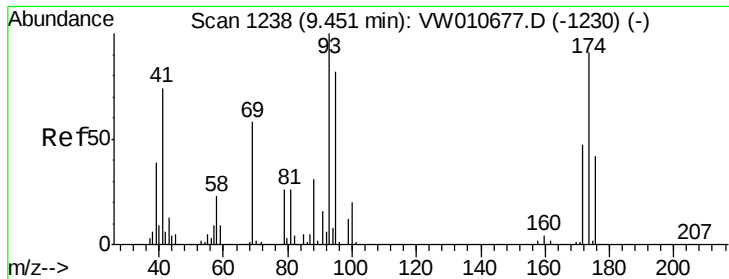
MMDadoda
6/20/2019 12:00:27 PM



#48
Methyl methacrylate
Concen: 22.065 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	41	Resp	46234
Ion Ratio	100	Lower	Upper
41	100		
69	72.2	56.6	85.0
39	61.0	44.4	66.6





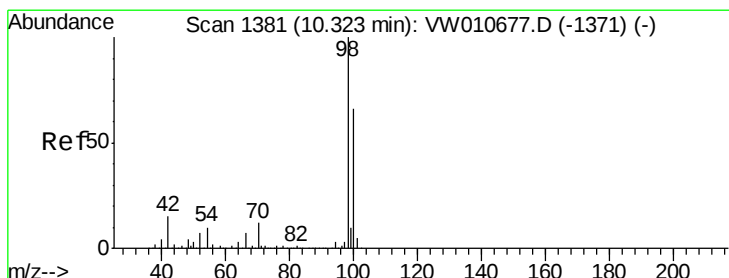
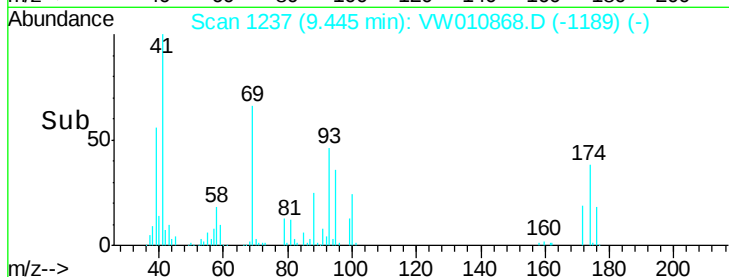
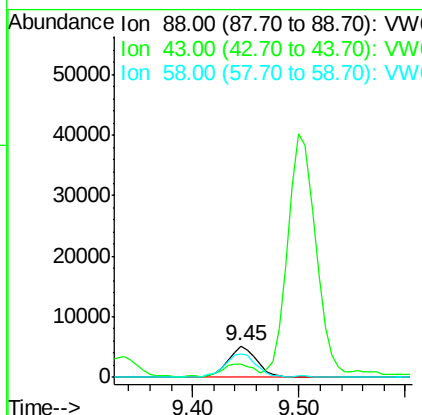
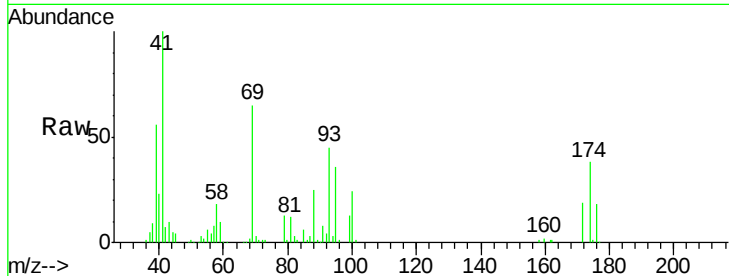
#49
1,4-Dioxane
Concen: 468.289 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	88	Resp	9969
Ion	Ratio	Lower	Upper
88	100		
43	42.4	34.2	51.4
58	81.4	69.0	103.4

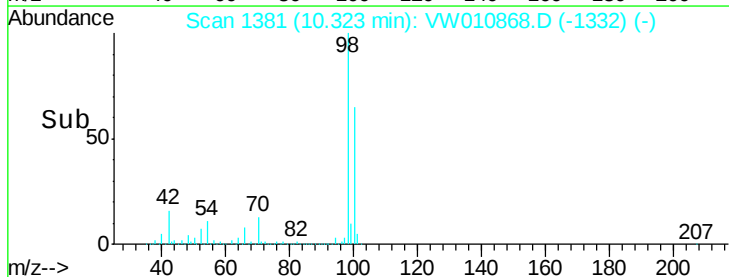
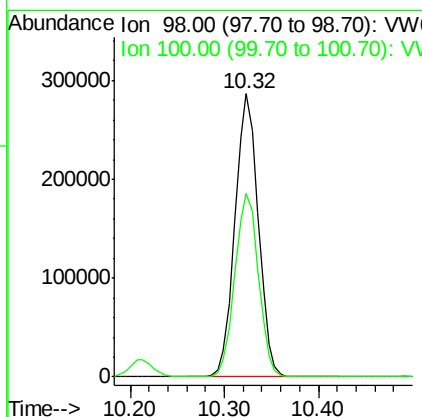
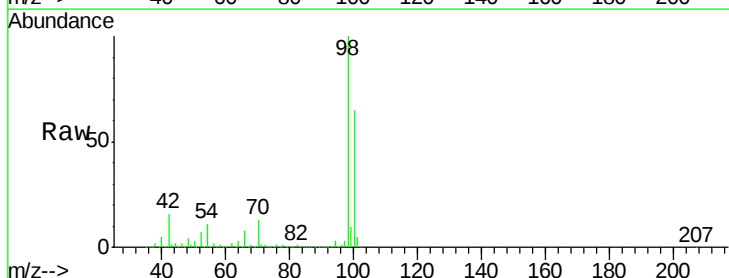
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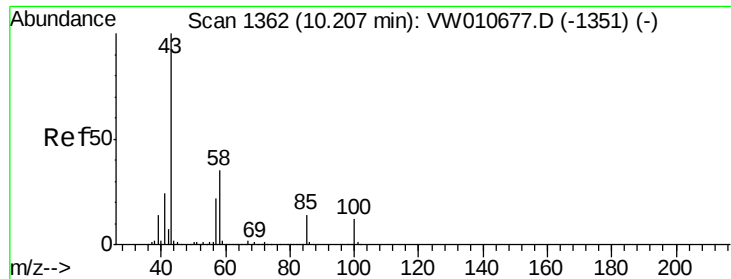
MMDadoda
6/20/2019 12:00:27 PM



#50
Toluene-d8
Concen: 52.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	98	Resp	492301
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 117.271 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 43 Resp: 260361

Ion Ratio Lower Upper

43 100

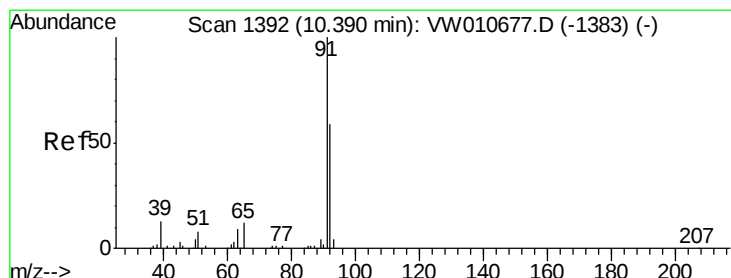
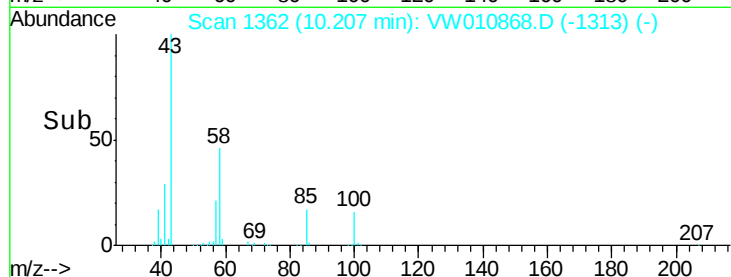
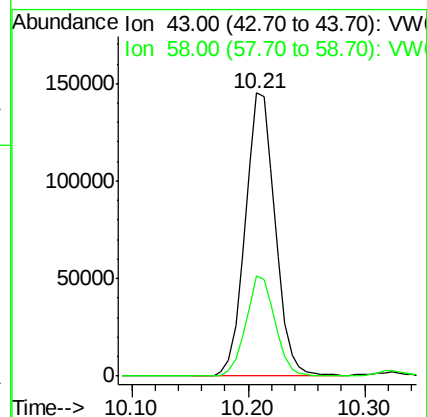
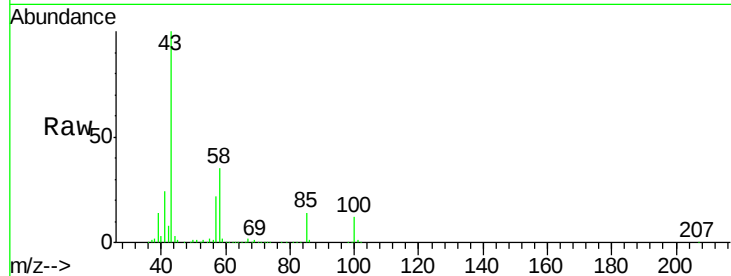
58 34.5 28.4 42.6

Manual Integrations

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6/20/2019 12:00:27 PM



#52

Toluene

Concen: 21.178 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010868.D

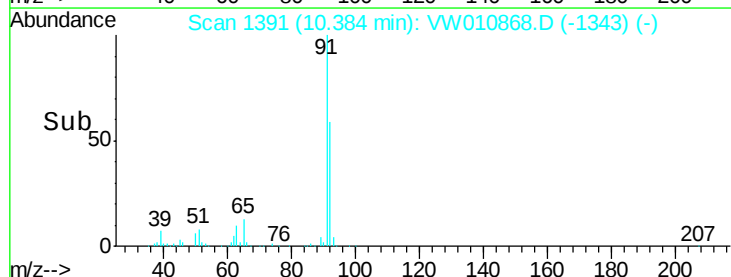
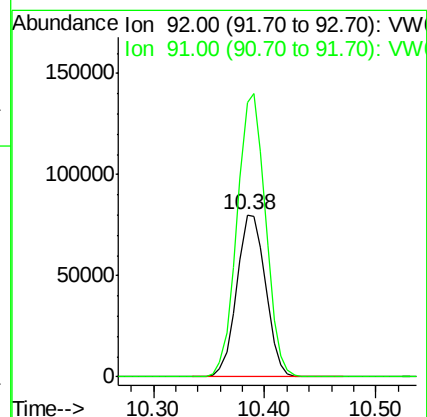
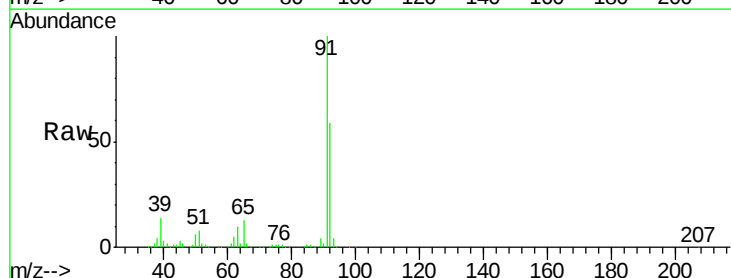
Acq: 20 Jun 2019 01:21

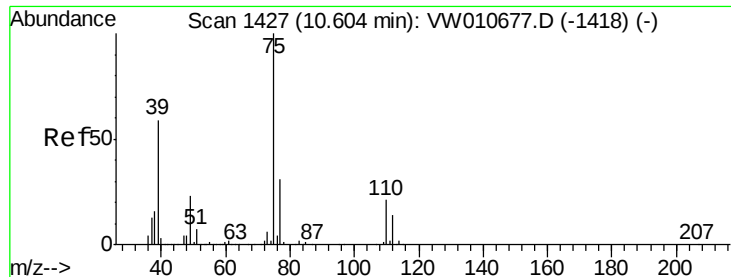
Tgt Ion: 92 Resp: 144301

Ion Ratio Lower Upper

92 100

91 172.4 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 20.301 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 75 Resp: 75893

Ion Ratio Lower Upper

75 100

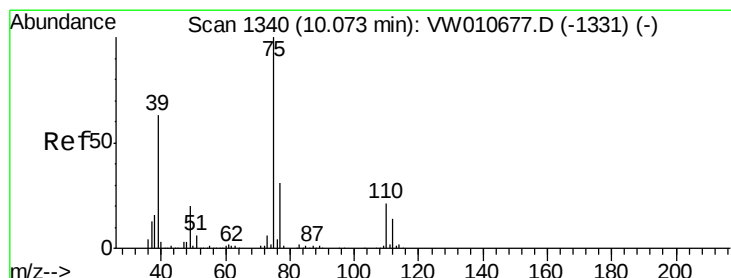
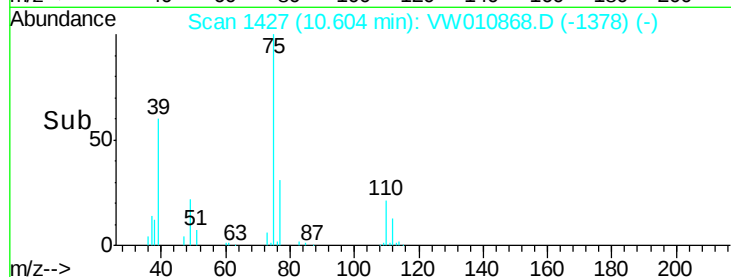
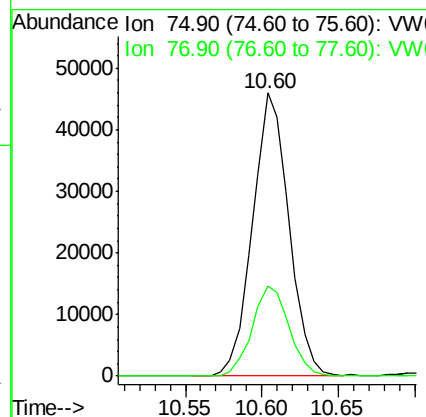
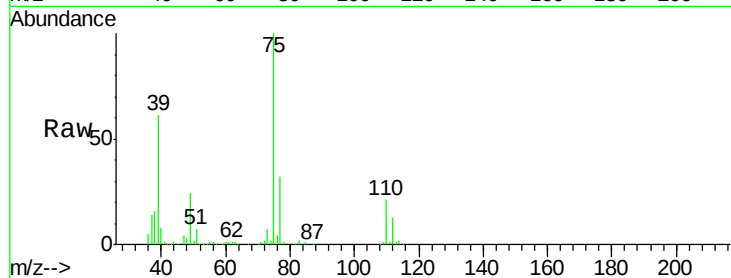
77 31.7 24.6 36.8

Manual Integrations

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6/20/2019 12:00:27 PM



#54

cis-1,3-Dichloropropene

Concen: 20.602 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

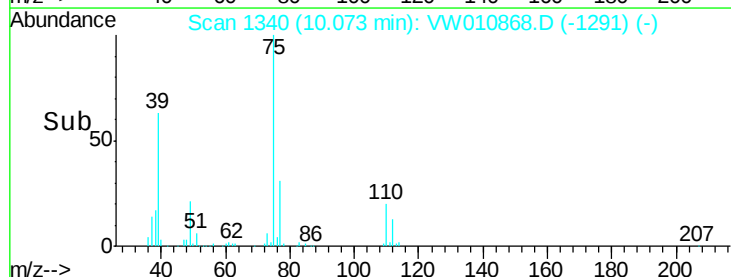
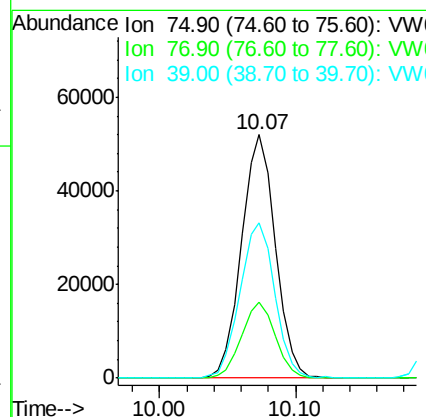
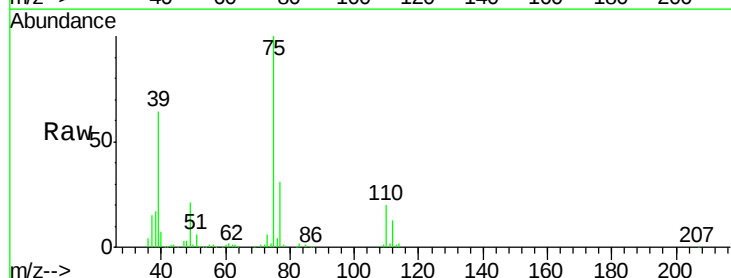
Tgt Ion: 75 Resp: 90630

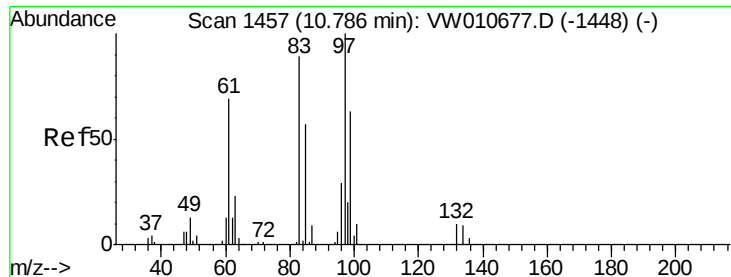
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 63.4 50.1 75.1





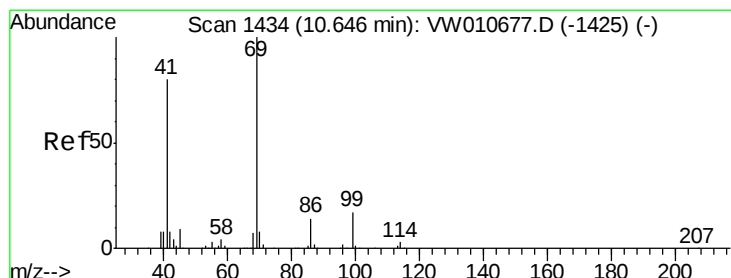
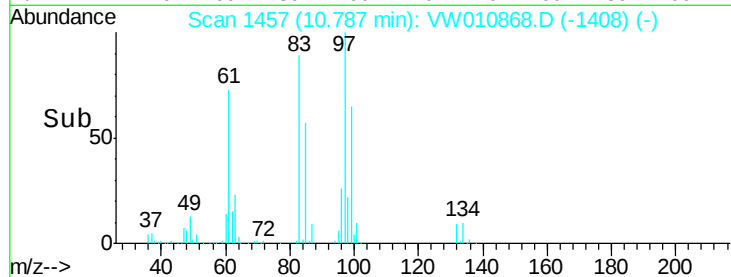
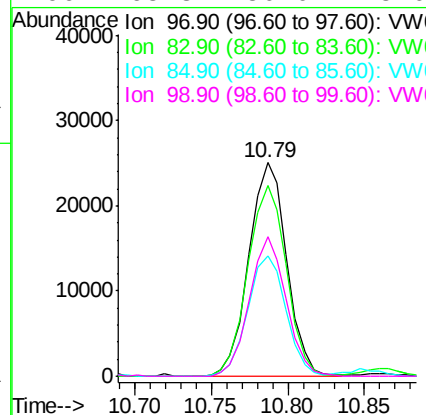
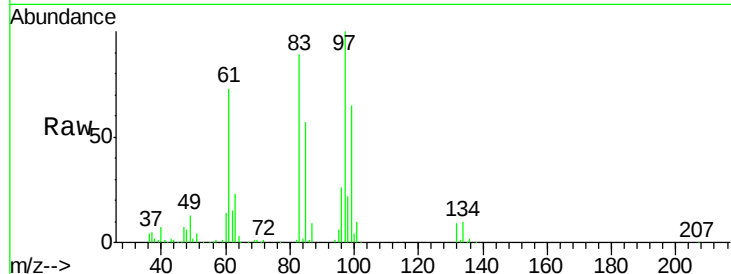
#55
 1,1,2-Trichloroethane
 Concen: 22.022 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion:	97	Resp:	43196
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.1	106.7
85	56.5	45.2	67.8
99	65.3	50.0	75.0

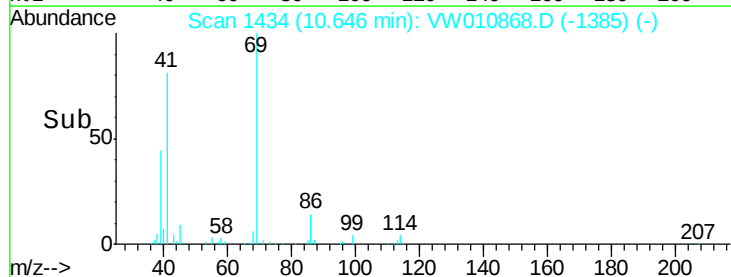
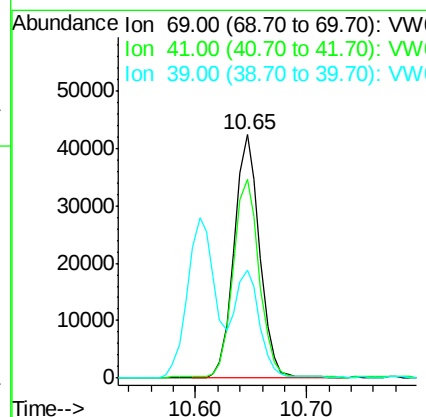
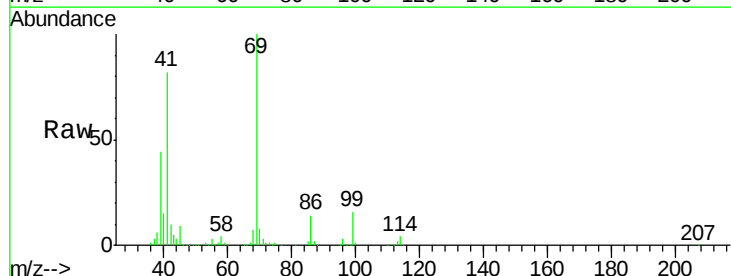
Manual Integrations
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 6/20/2019 12:00:27 PM



#56
 Ethyl methacrylate
 Concen: 22.317 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion:	69	Resp:	67358
Ion	Ratio	Lower	Upper
69	100		
41	84.6	64.8	97.2
39	41.7	32.2	48.2





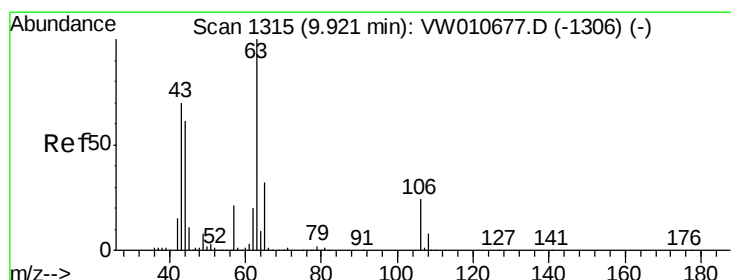
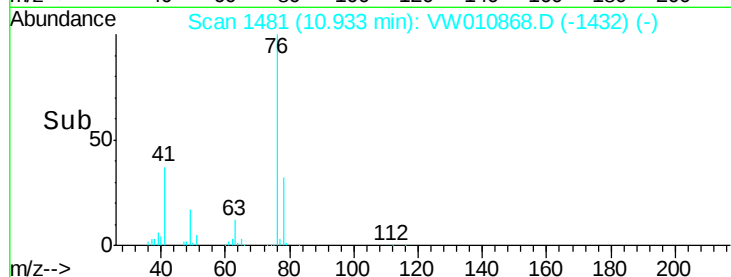
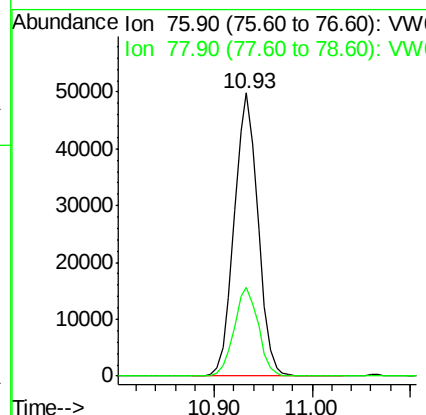
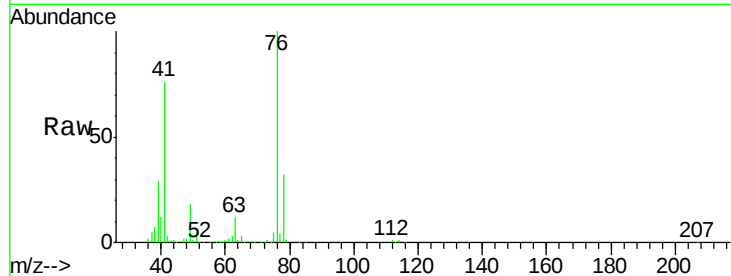
#57
 1,3-Dichloropropane
 Concen: 22.668 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion: 76 Resp: 83795
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

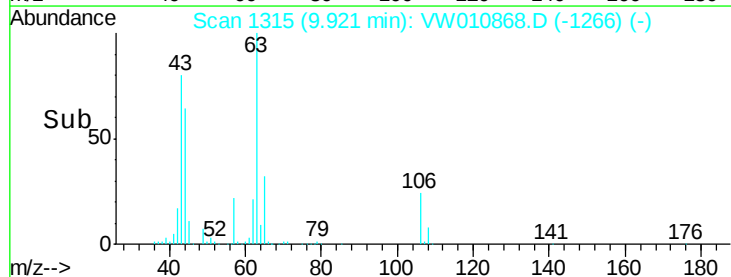
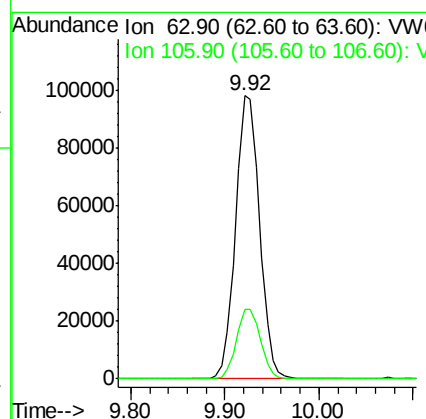
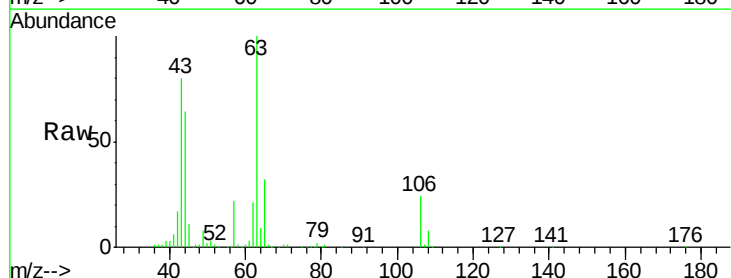
Manual Integrations
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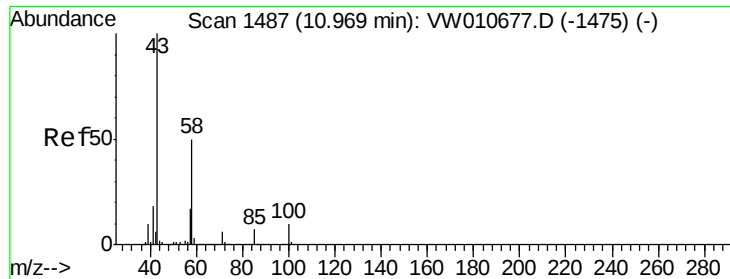
MMDadoda
 6/20/2019 12:00:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.106 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion: 63 Resp: 174067
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.1 30.1





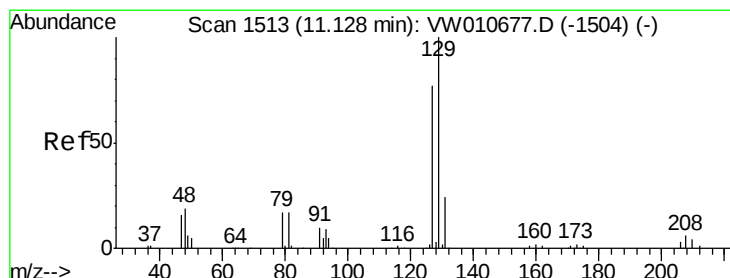
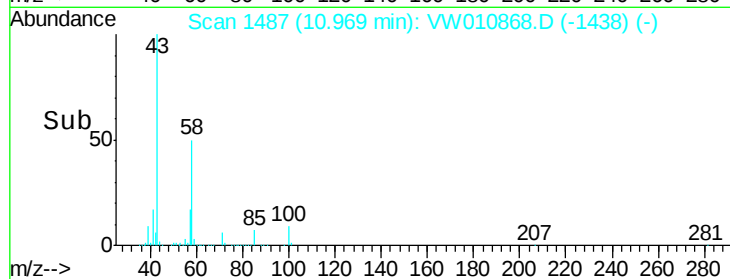
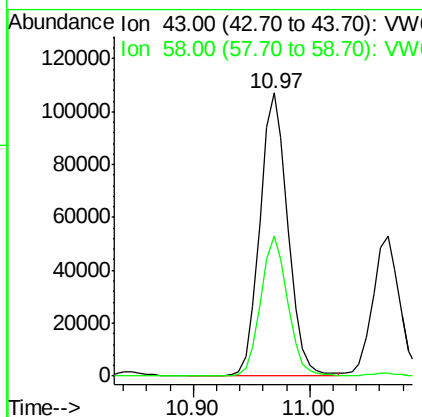
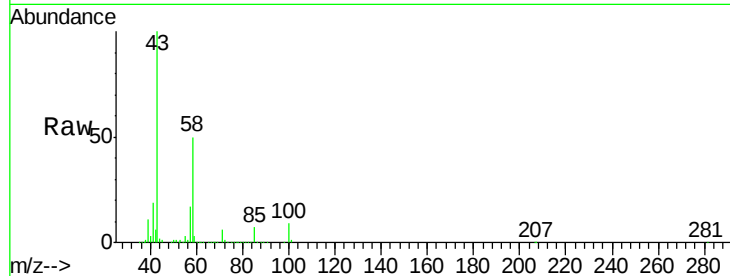
#59
2-Hexanone
Concen: 110.519 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 43 Resp: 177336
Ion Ratio Lower Upper
43 100
58 47.8 24.9 74.6

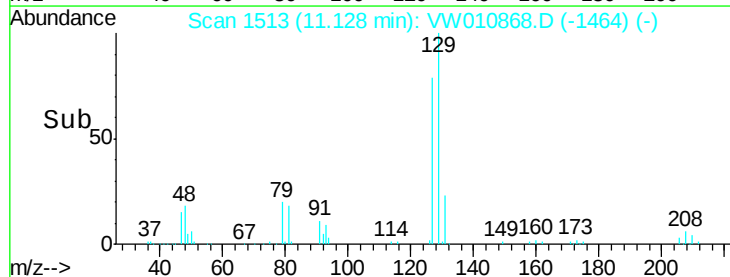
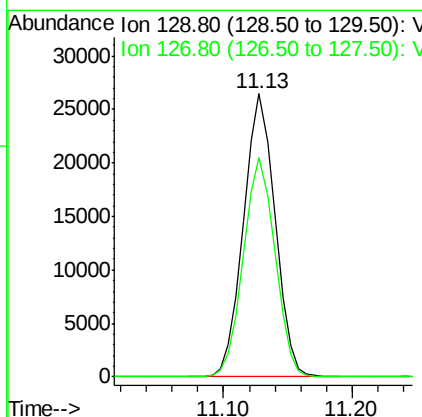
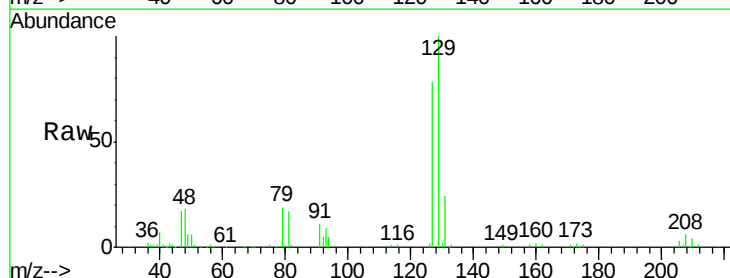
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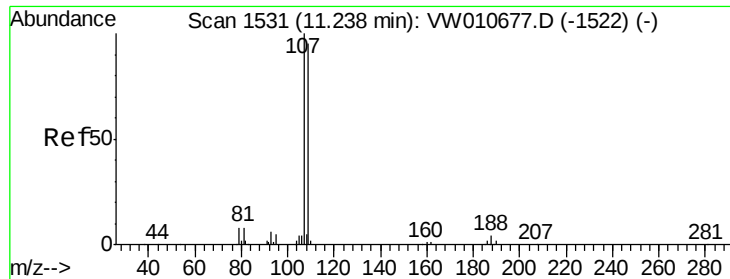
MMDadoda
6/20/2019 12:00:27 PM



#60
Dibromochloromethane
Concen: 20.614 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion: 129 Resp: 44824
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





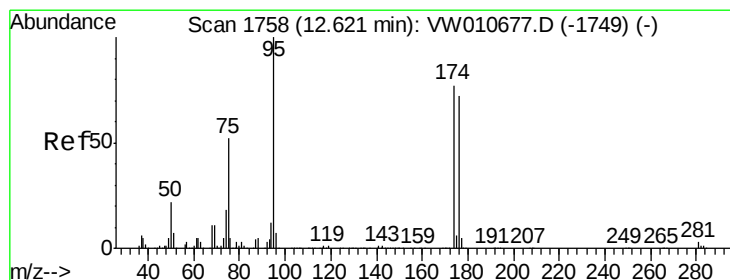
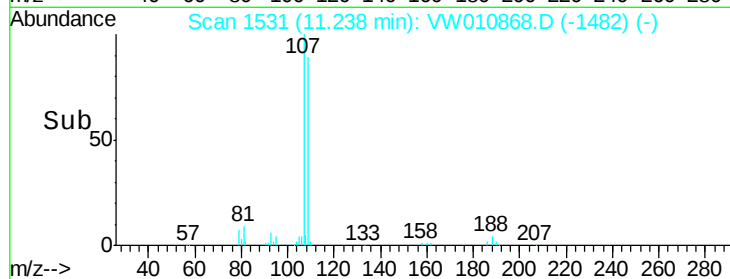
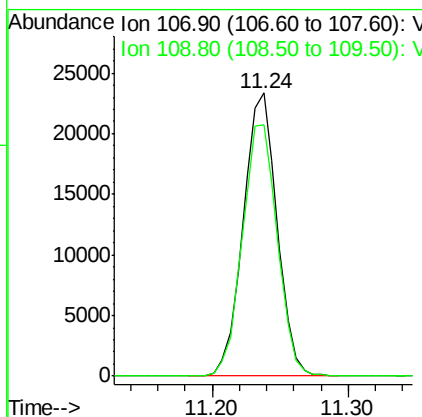
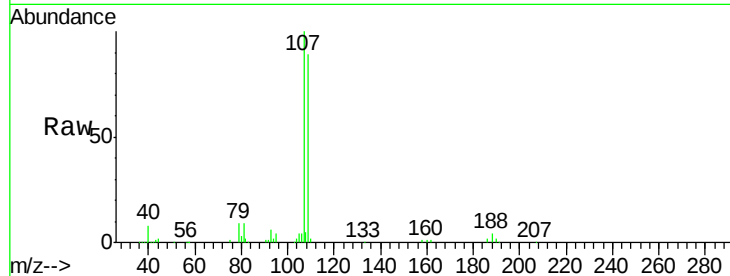
#61
 1,2-Dibromoethane
 Concen: 21.884 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion: 107 Resp: 40672
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.8 113.8

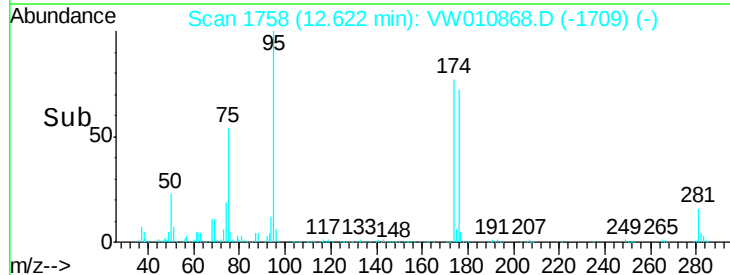
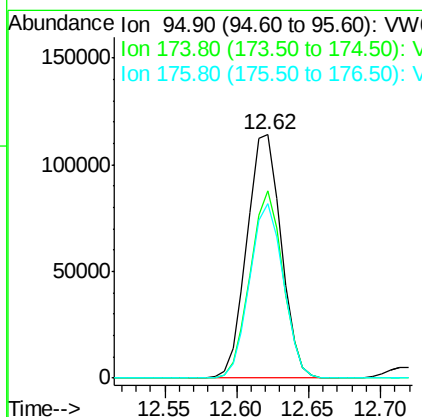
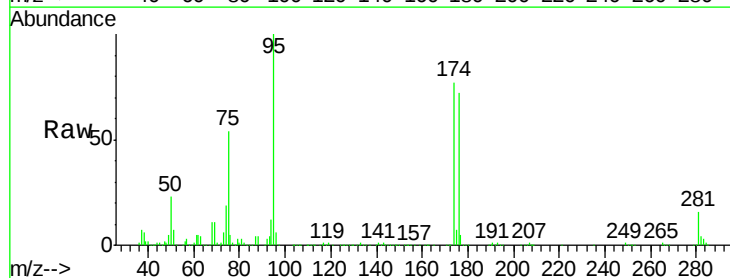
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#62
 4-Bromofluorobenzene
 Concen: 54.678 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion: 95 Resp: 187804
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 150.4
 176 70.5 0.0 144.8





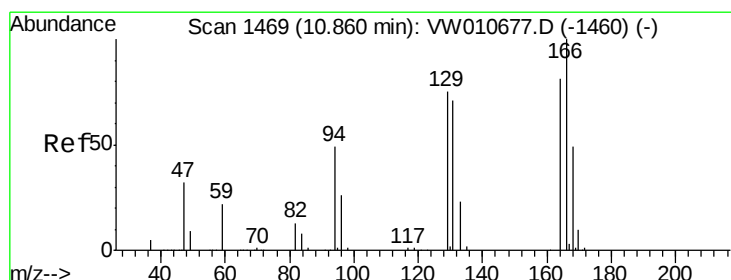
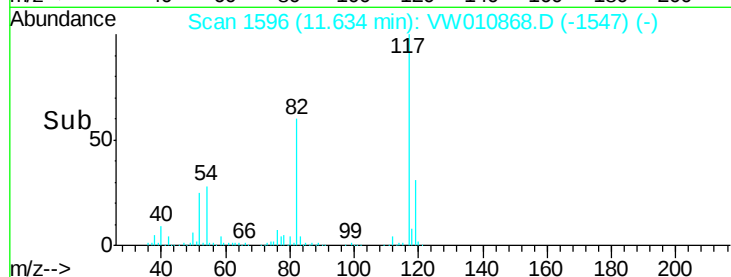
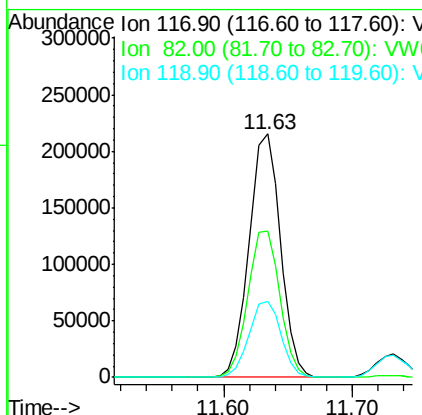
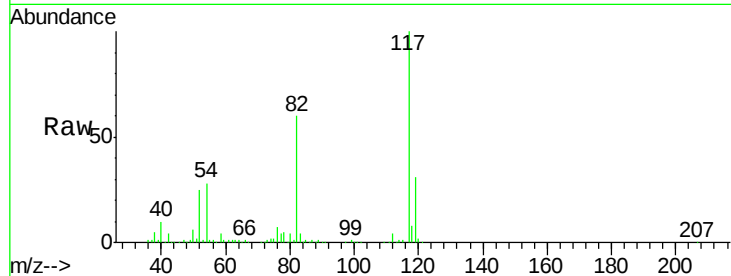
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	361449		
82	60.3	47.0	70.4	
119	31.2	25.1	37.7	

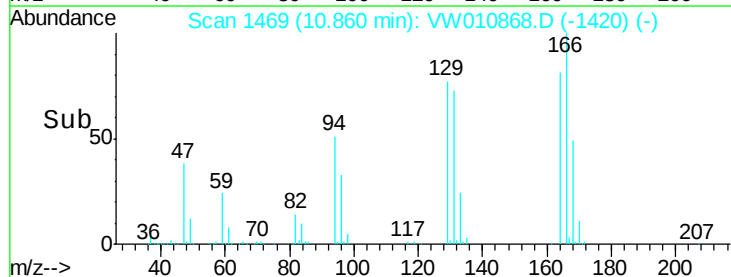
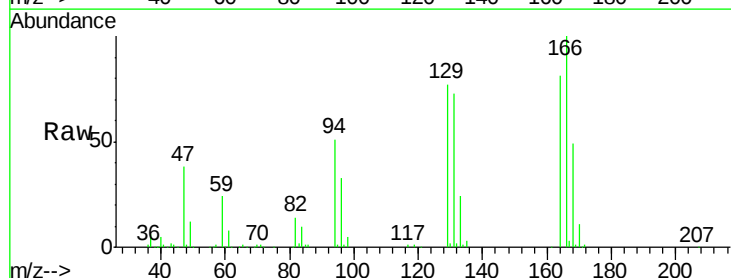
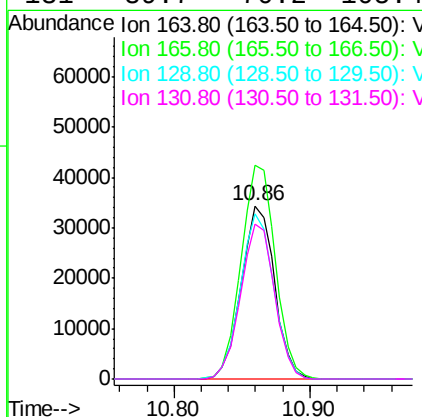
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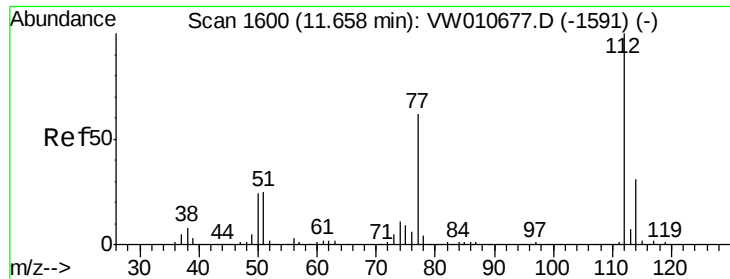
MMDadoda
6/20/2019 12:00:27 PM



#64
Tetrachloroethene
Concen: 24.506 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58810		
166	123.6	99.2	148.8	
129	95.2	74.6	112.0	
131	89.7	70.2	105.4	





#65

Chlorobenzene

Concen: 20.918 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:112 Resp: 148683

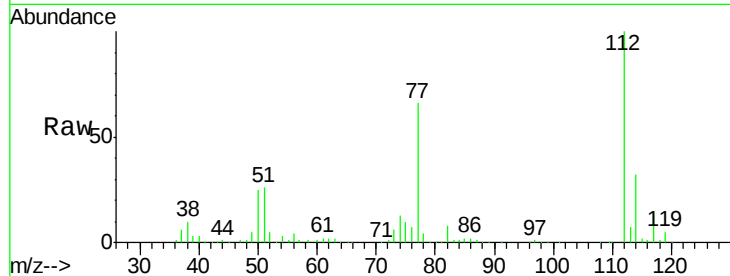
Ion Ratio Lower Upper

112 100

114 31.9 24.8 37.2

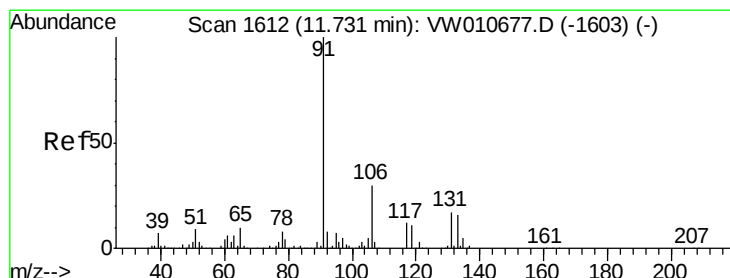
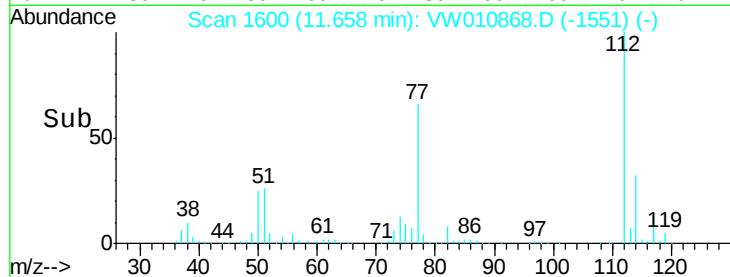
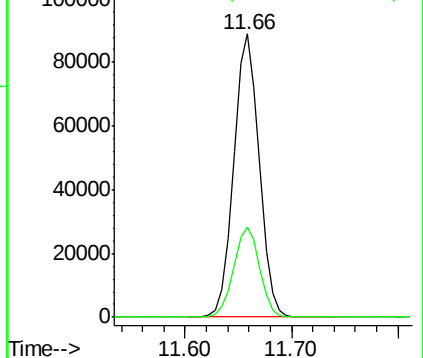
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.938 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

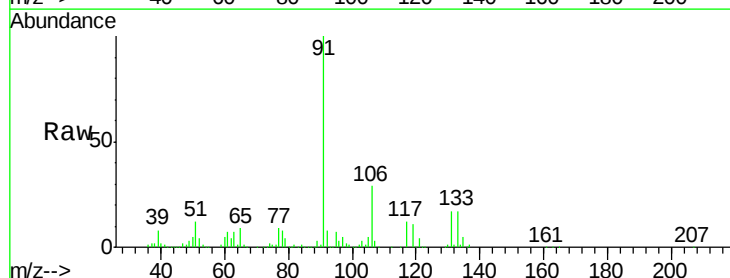
Tgt Ion:131 Resp: 51519

Ion Ratio Lower Upper

131 100

133 95.1 47.3 141.9

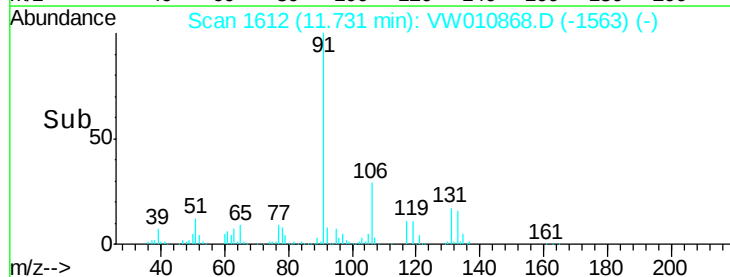
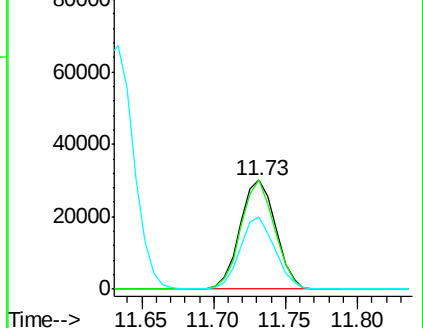
119 64.9 32.4 97.0

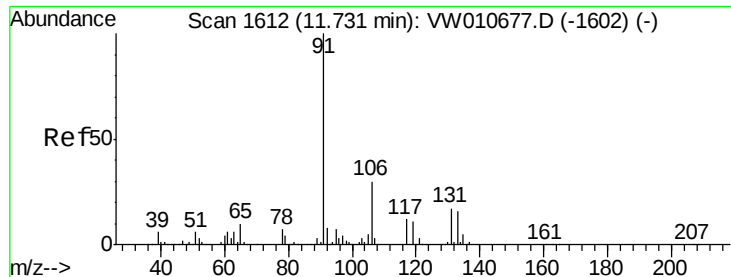


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





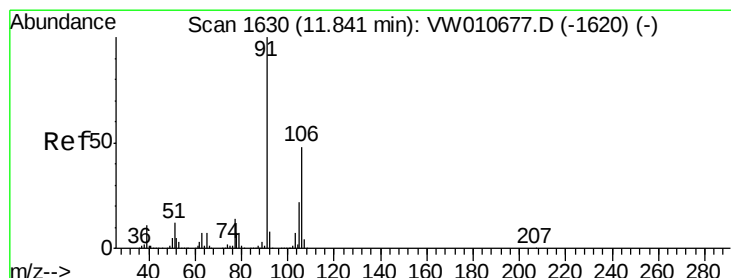
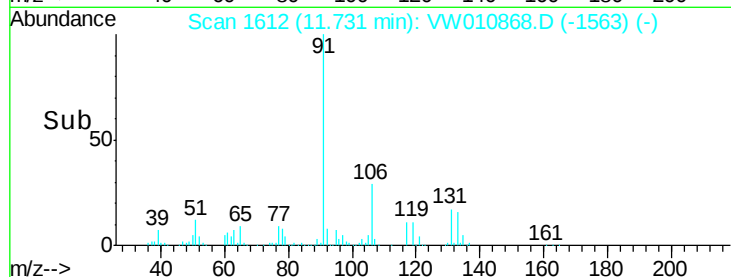
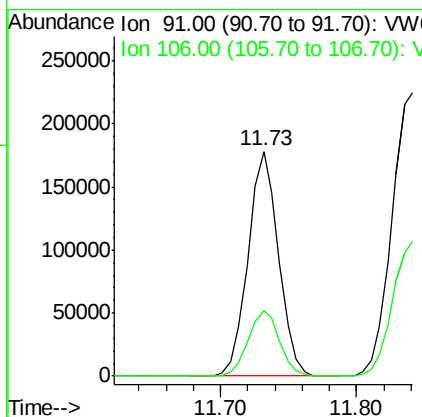
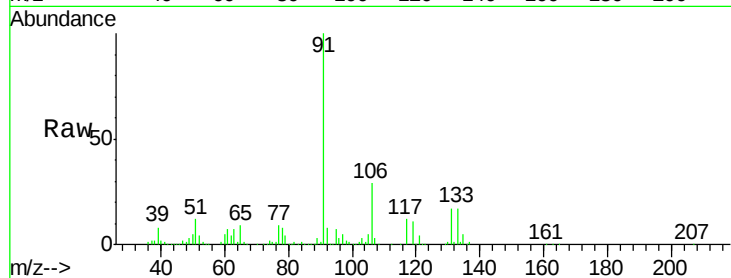
#67
Ethyl Benzene
Concen: 20.466 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 91 Resp: 279577
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.4

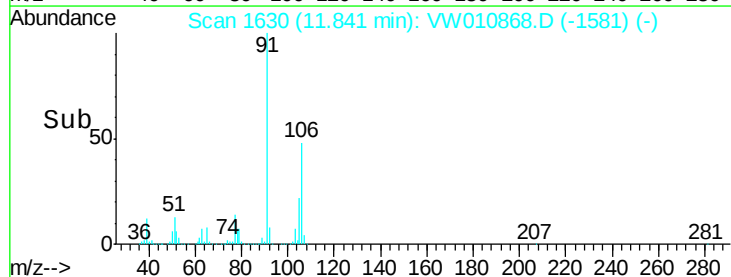
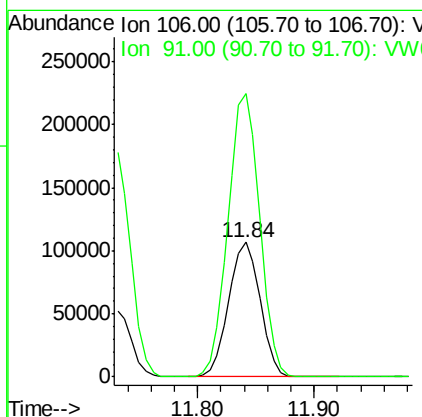
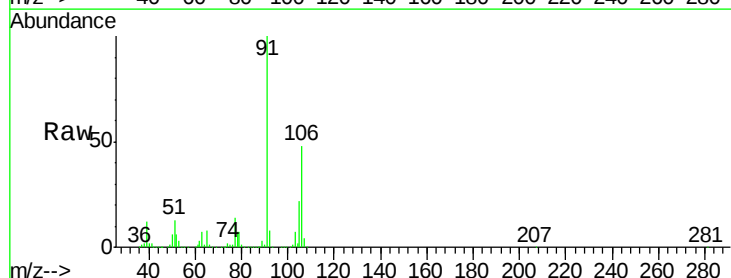
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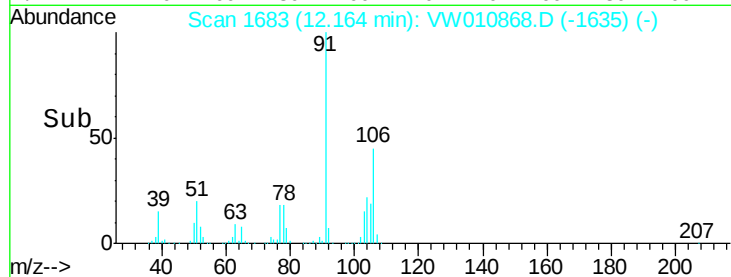
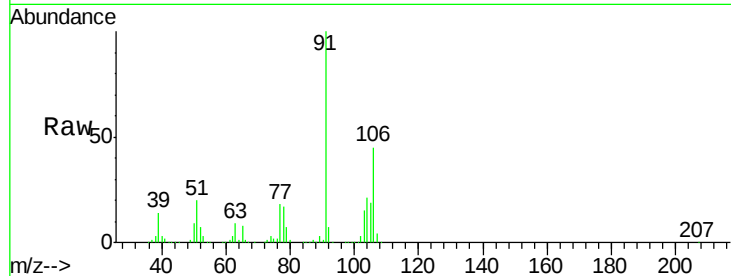
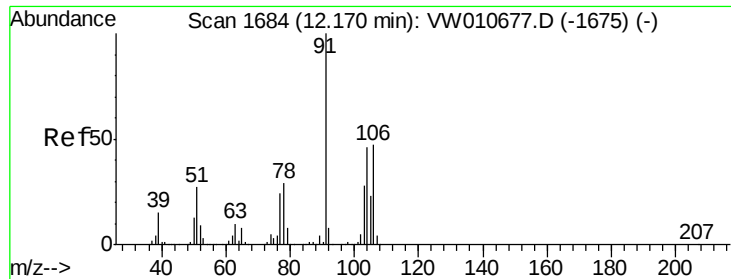
MMDadoda
6/20/2019 12:00:27 PM



#68
m/p-Xylenes
Concen: 41.174 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion: 106 Resp: 201339
Ion Ratio Lower Upper
106 100
91 210.5 166.5 249.7





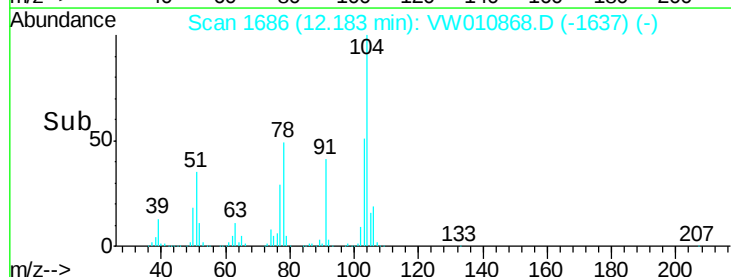
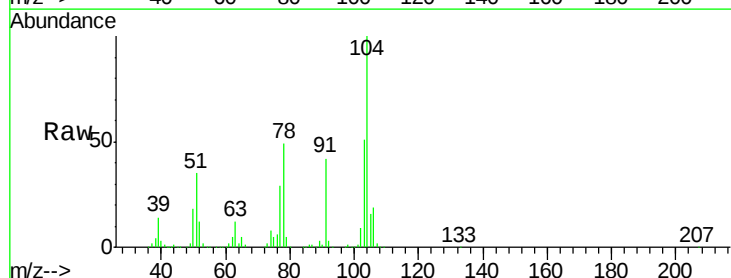
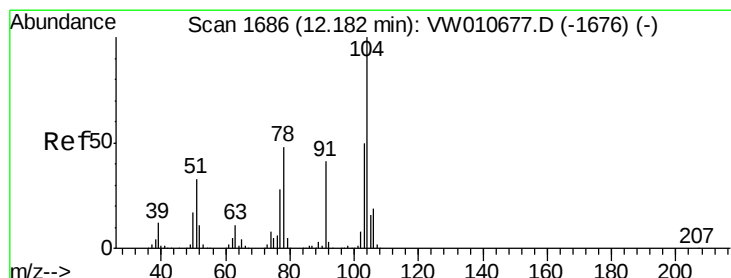
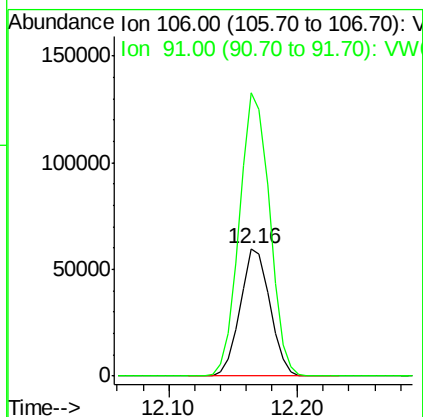
#69
o-Xylene
Concen: 20.572 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.2	108.9	326.6

Instrument :
MSVOA_W
ClientSampled :
VW0619SBS02

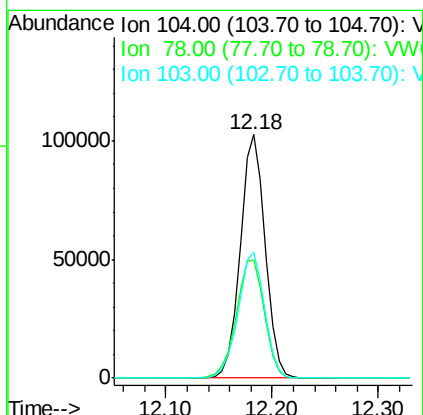
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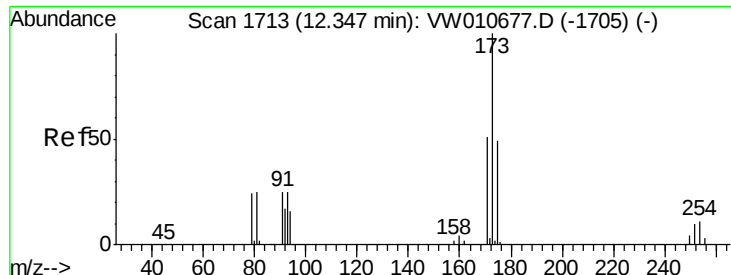
MMDadoda
6/20/2019 12:00:27 PM



#70
Styrene
Concen: 20.830 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.7	64.1
103	55.3	43.6	65.4





#71

Bromoform

Concen: 19.751 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:173 Resp: 25134

Ion Ratio Lower Upper

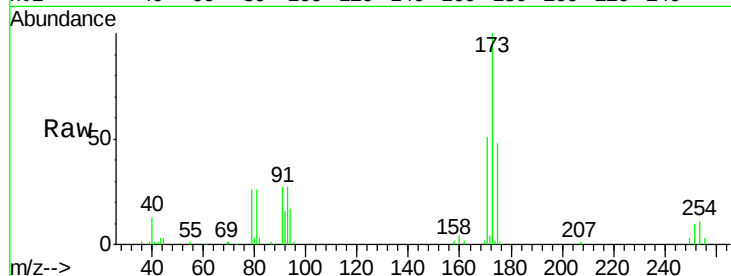
173 100

175 48.7 24.3 72.8

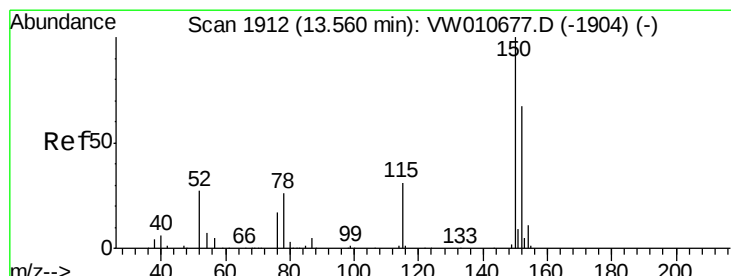
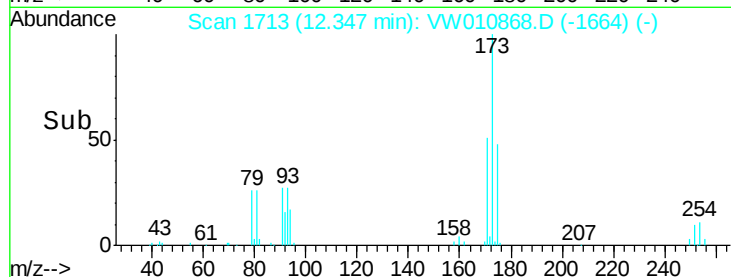
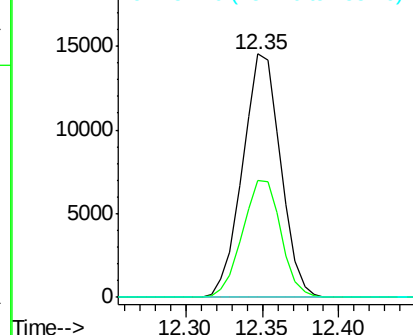
254 0.0 0.1 0.1#

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6/20/2019 12:00:27 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

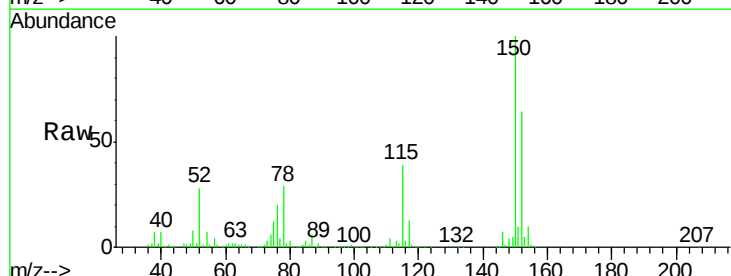
Tgt Ion:152 Resp: 177555

Ion Ratio Lower Upper

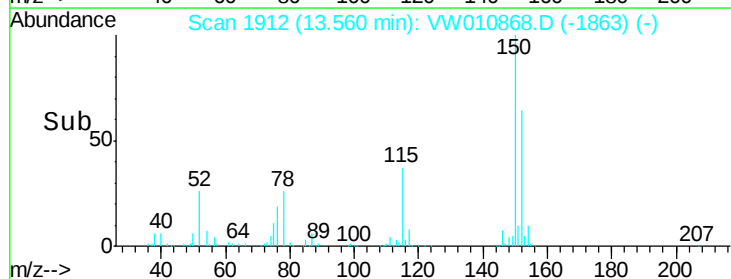
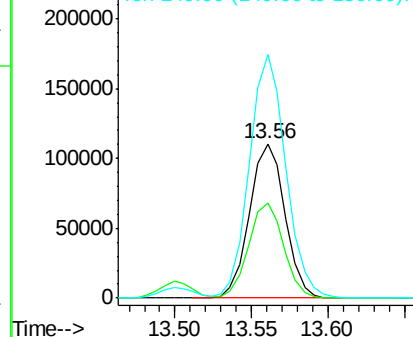
152 100

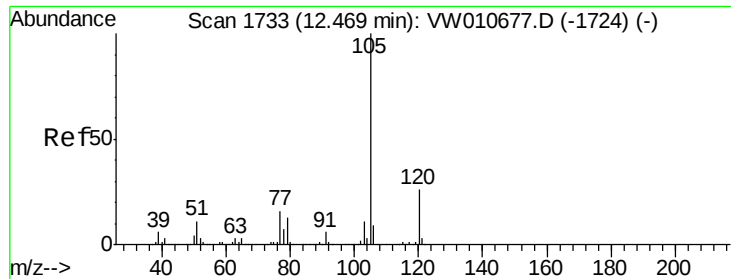
115 61.2 29.8 89.3

150 162.6 0.0 345.0



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





#73

Isopropylbenzene

Concen: 19.626 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:105 Resp: 261864

Ion Ratio Lower Upper

105 100

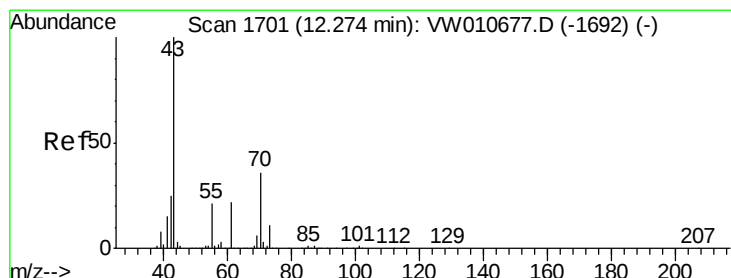
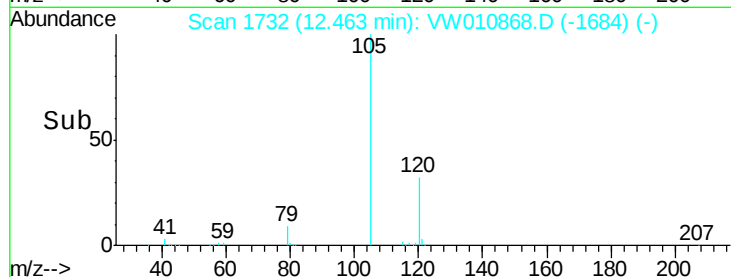
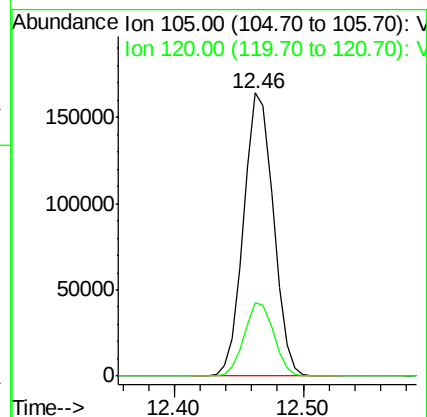
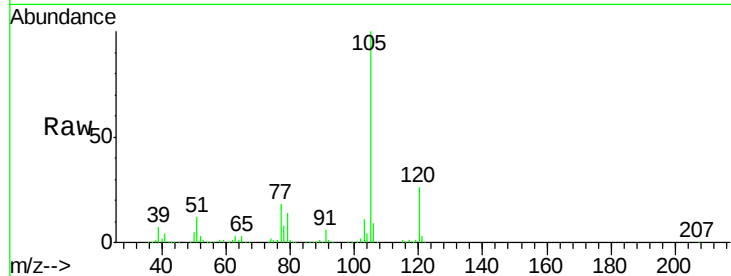
120 25.8 13.1 39.1

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6/20/2019 12:00:27 PM



#74

N-ethyl acetate

Concen: 21.016 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion: 43 Resp: 90624

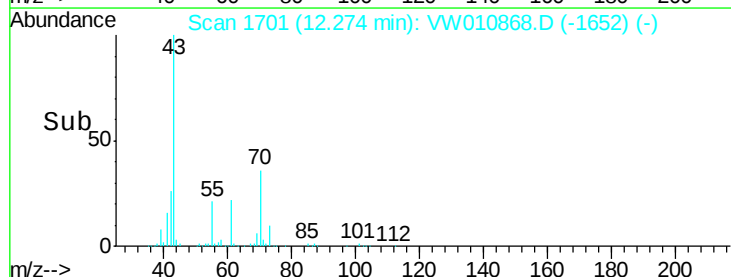
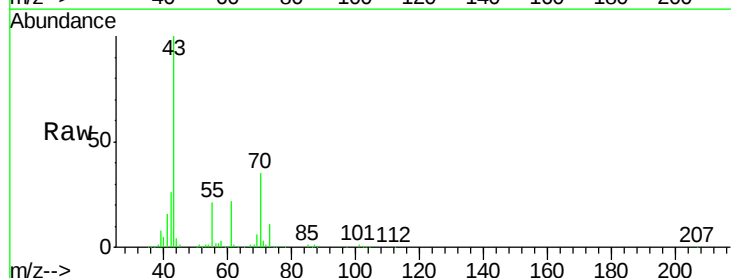
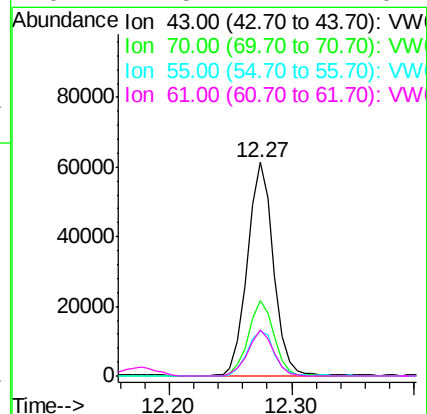
Ion Ratio Lower Upper

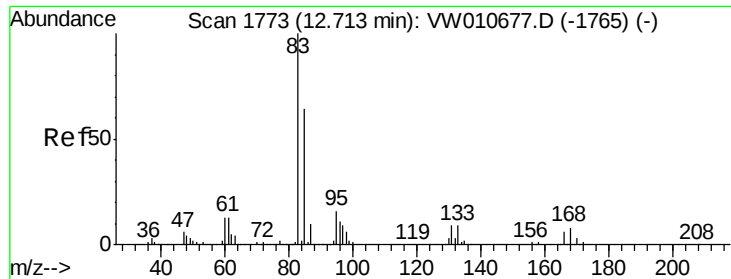
43 100

70 35.2 29.2 43.8

55 22.1 17.5 26.3

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.667 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

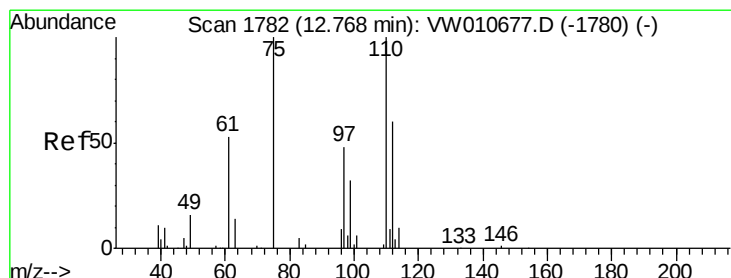
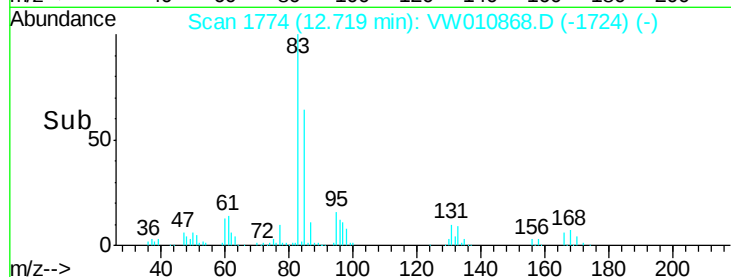
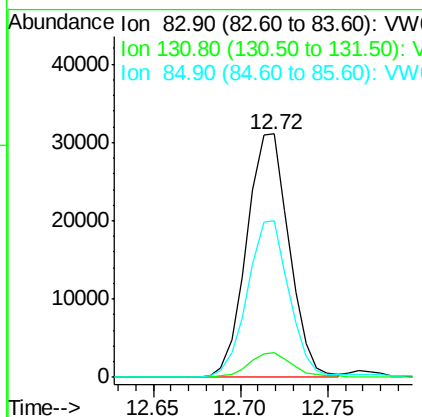
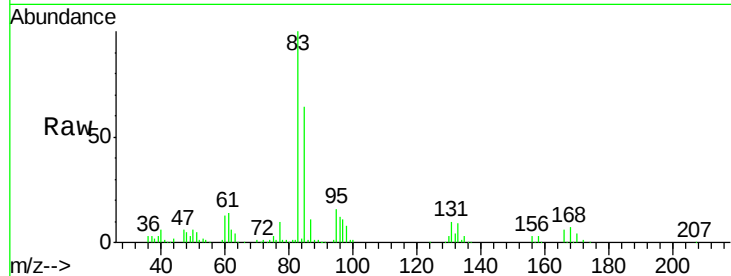
ClientSampleId :

VW0619SBS02

Tot Ion:	83	Resp:	52497
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	63.2	31.9	95.9

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6/20/2019 12:00:27 PM



#76

1,2,3-Trichloropropane

Concen: 20.919 ug/l m

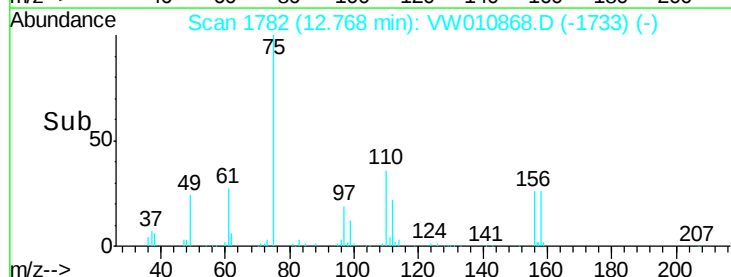
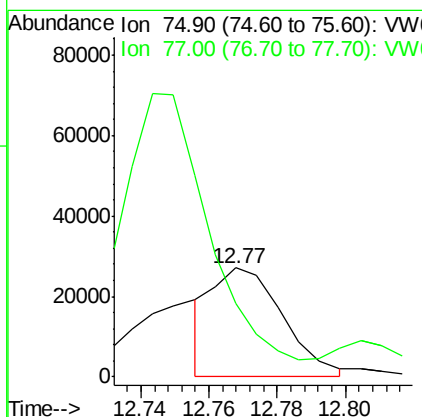
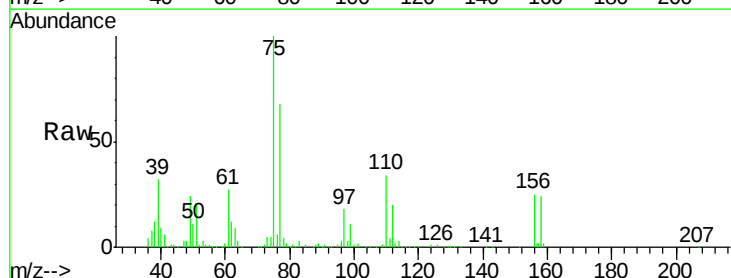
RT: 12.77 min Scan# 1782

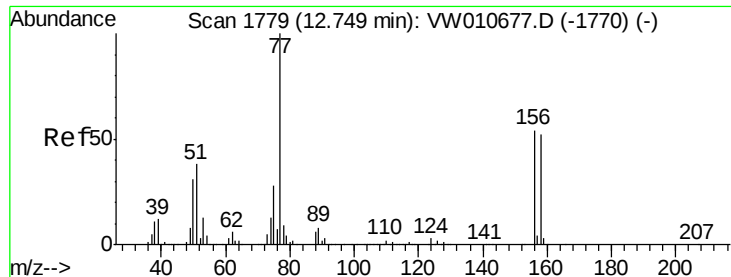
Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion:	75	Resp:	39005
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.452 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

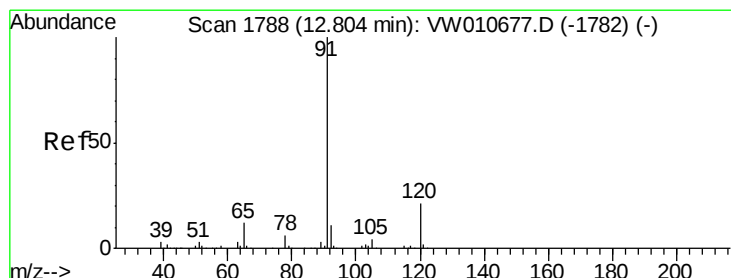
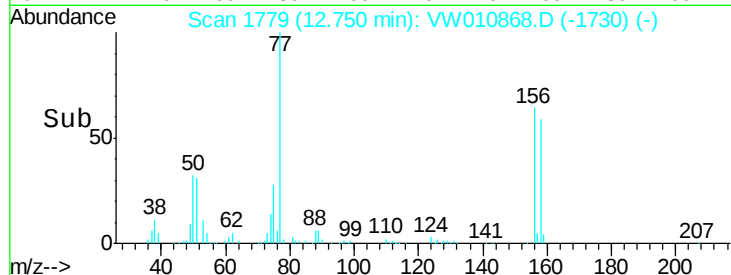
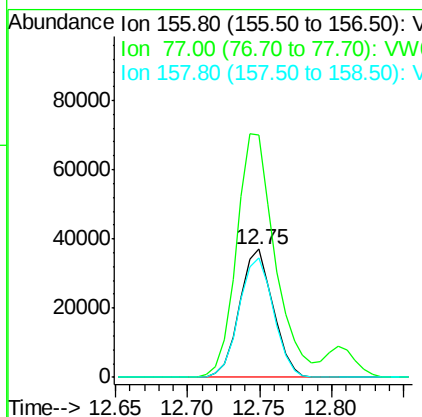
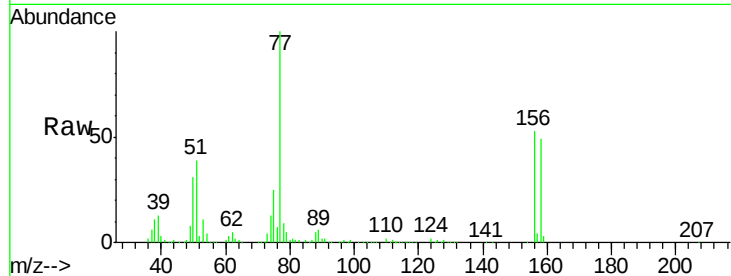
ClientSampleId :

VW0619SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.7	106.5	319.4
158	96.4	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.852 ug/l

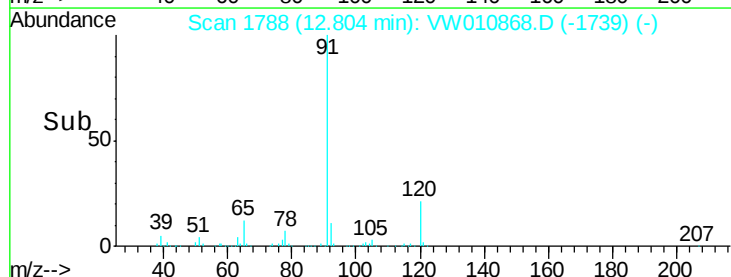
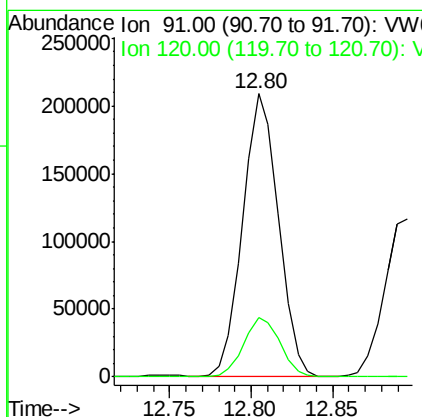
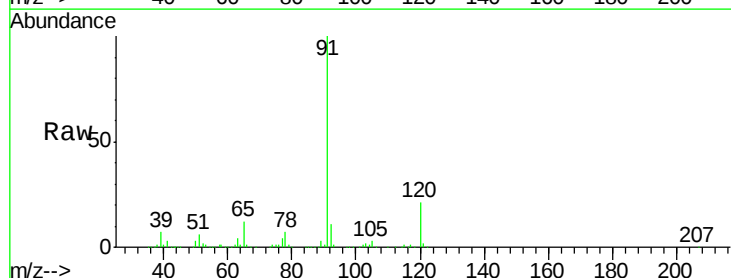
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4





#79

2-Chlorotoluene

Concen: 20.754 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampled :

VW0619SBS02

Tot Ion: 91 Resp: 190766

Ion Ratio Lower Upper

91 100

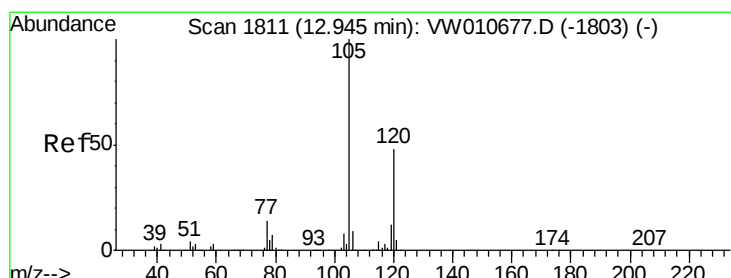
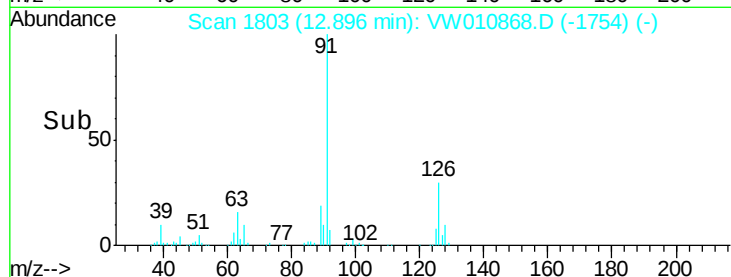
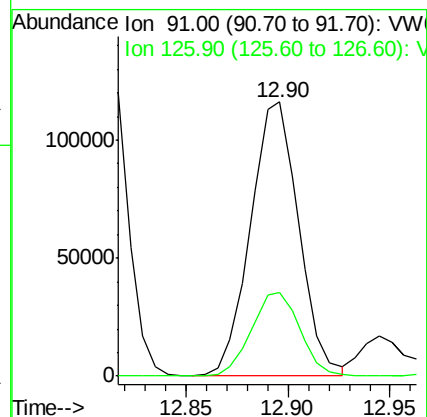
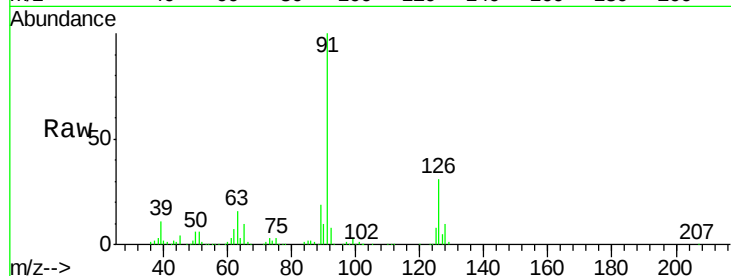
126 30.8 15.7 47.0

Manual Integrations

APPROVED

MMDadoda

6/20/2019 12:00:27 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.436 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010868.D

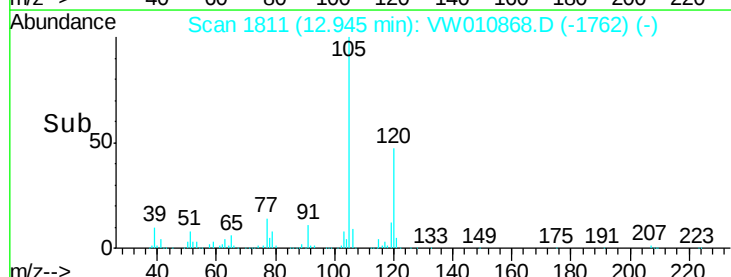
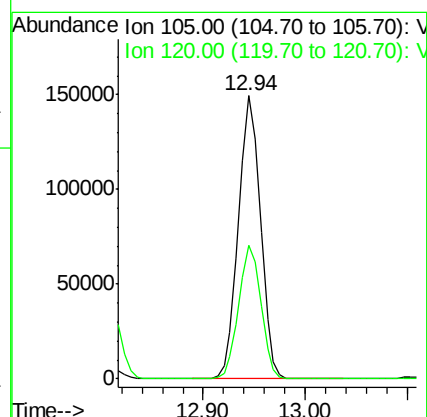
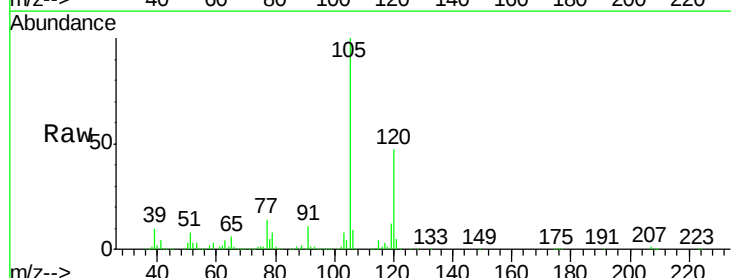
Acq: 20 Jun 2019 01:21

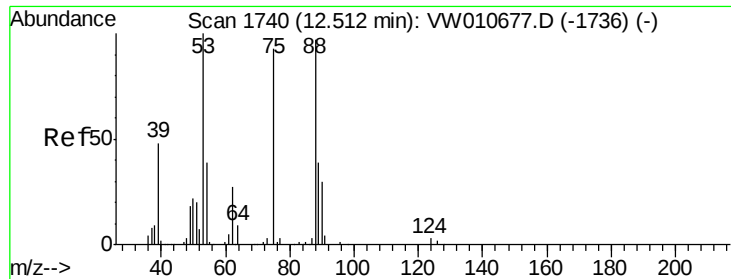
Tgt Ion:105 Resp: 223183

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8





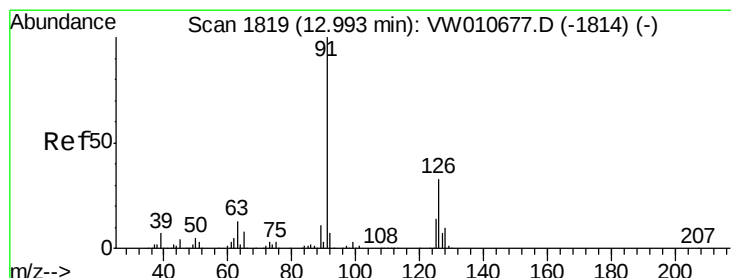
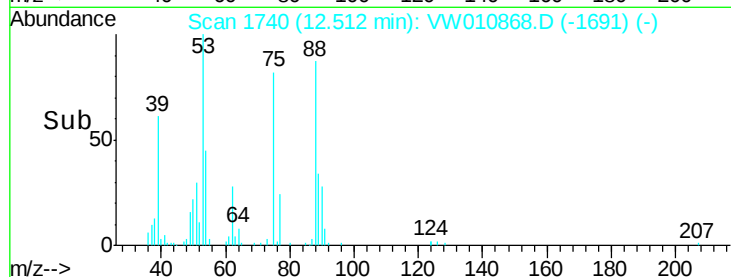
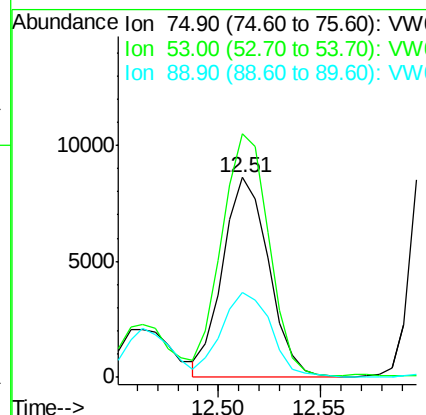
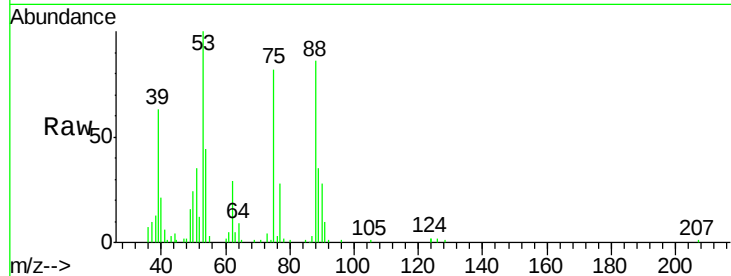
#81
trans-1,4-Dichloro-2-butene
Concen: 16.701 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.2	90.1	135.1
89	45.4	34.6	52.0

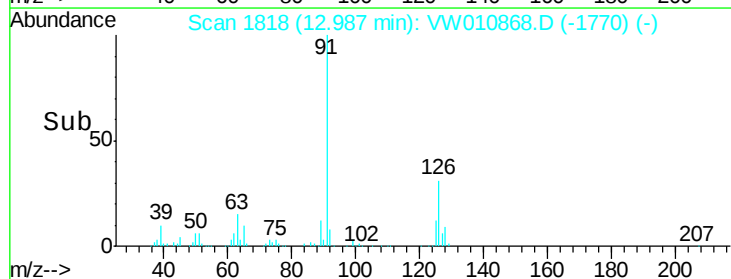
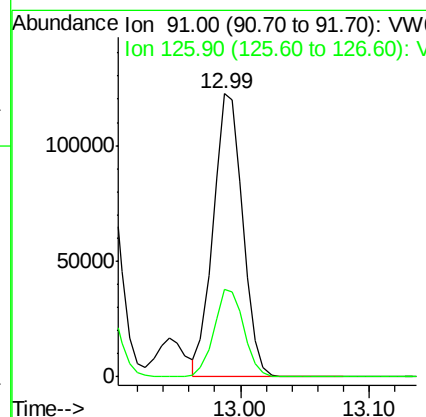
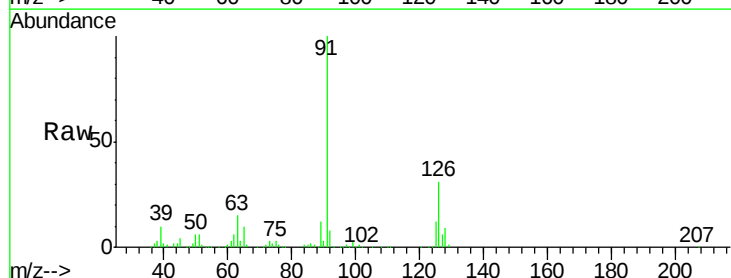
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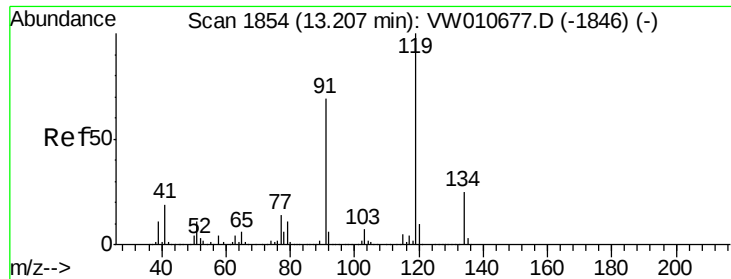
MMDadoda
6/20/2019 12:00:27 PM



#82
4-Chlorotoluene
Concen: 20.675 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





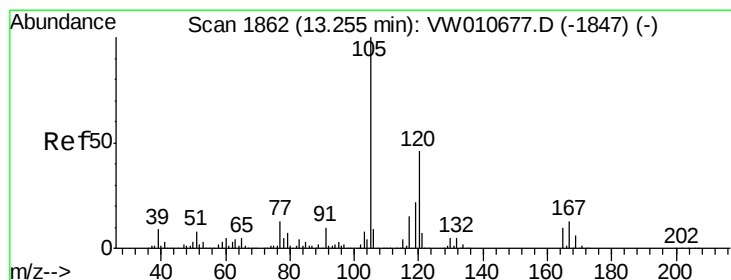
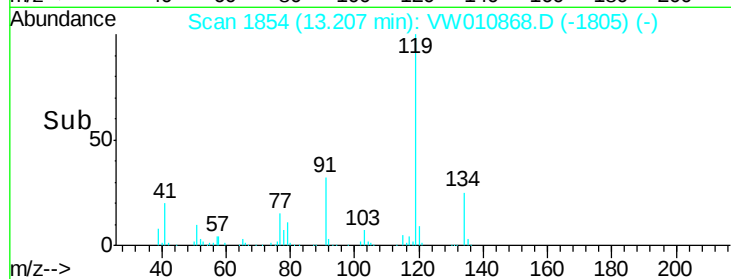
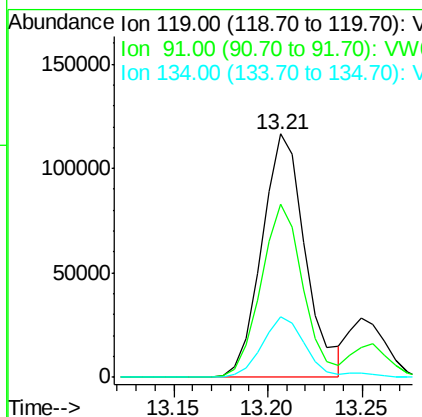
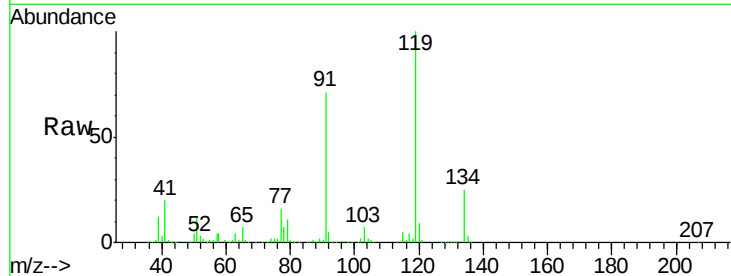
#83
tert-Butylbenzene
Concen: 20.149 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186750		
91	68.9	35.1	105.3	
134	25.7	13.6	40.7	

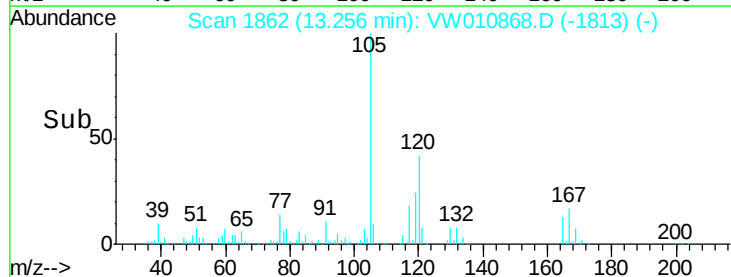
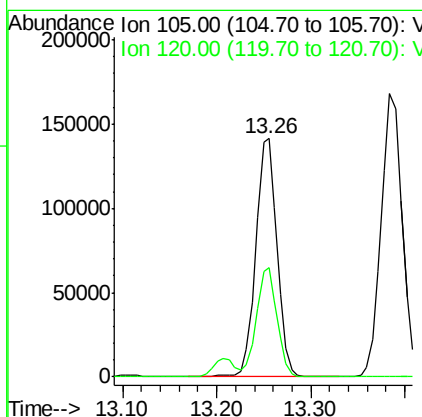
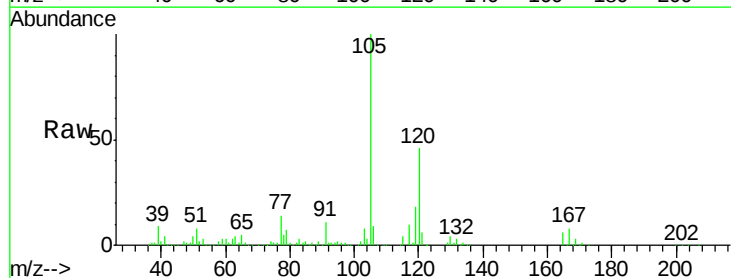
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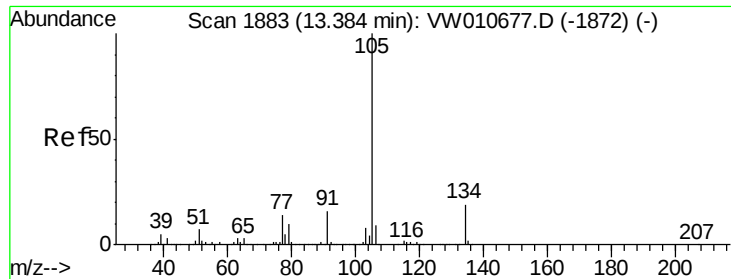
MMDadoda
6/20/2019 12:00:27 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.527 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225588		
120	44.4	22.5	67.5	





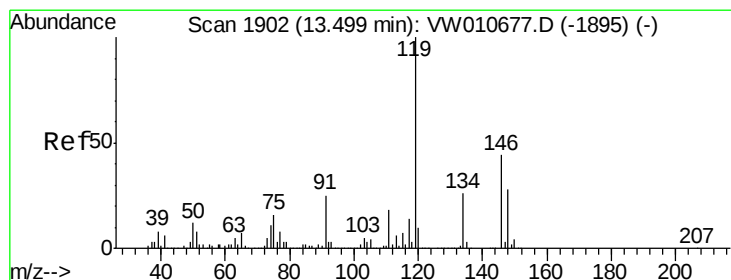
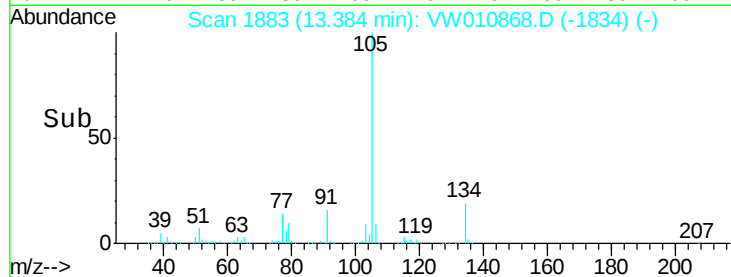
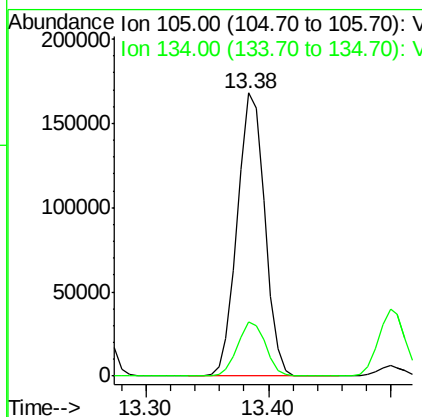
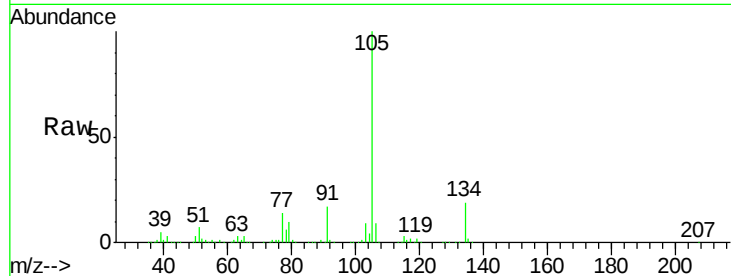
#85
 sec-Butylbenzene
 Concen: 19.325 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	260782		
134	19.4	9.7	28.9	

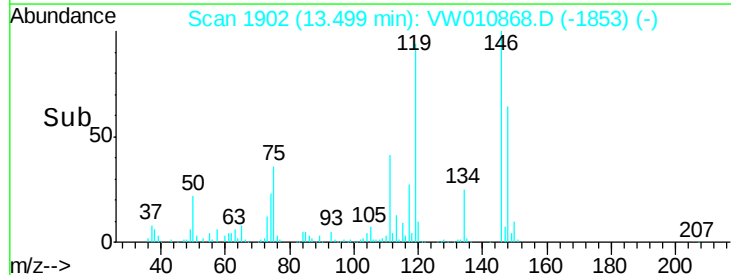
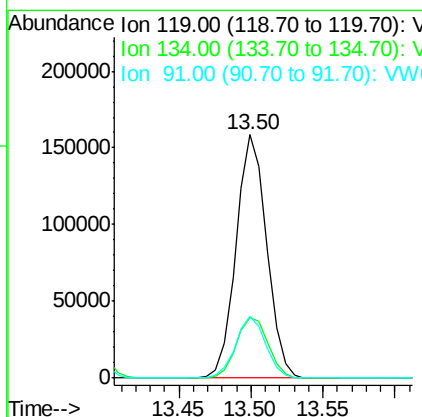
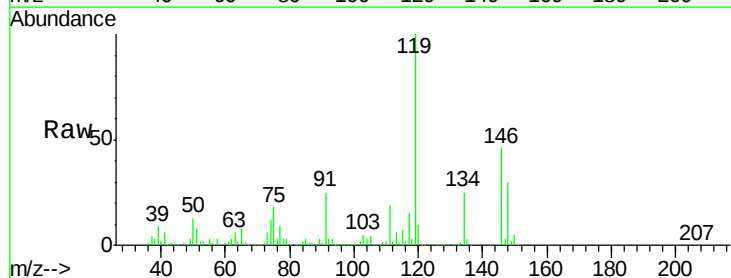
Manual Integrations
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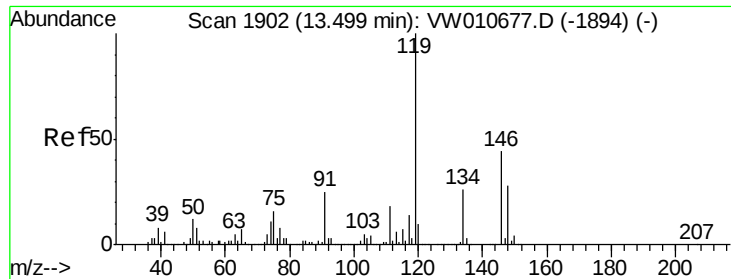
MMDadoda
 6/20/2019 12:00:27 PM



#86
 p-Isopropyltoluene
 Concen: 19.324 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	233201		
134	26.0	13.0	39.0	
91	24.9	12.2	36.4	





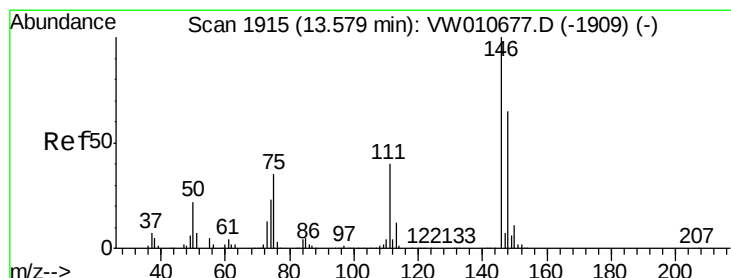
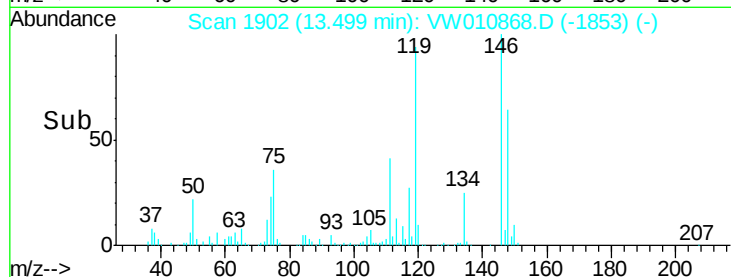
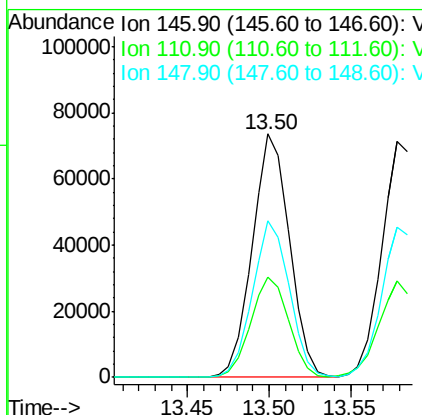
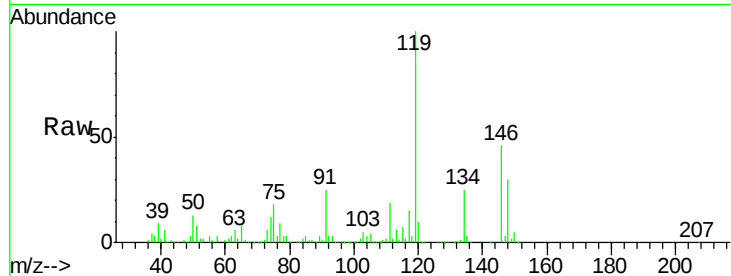
#87
 1,3-Dichlorobenzene
 Concen: 20.770 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	116657		
111	41.9	20.4	61.3	
148	63.8	31.5	94.5	

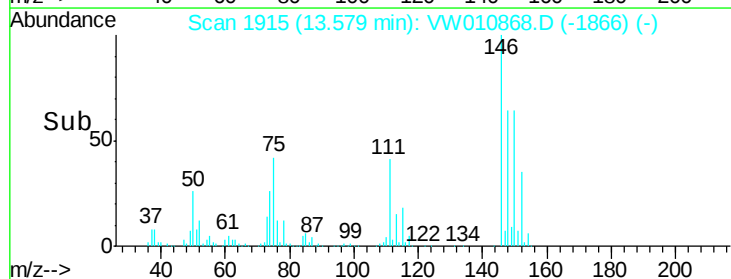
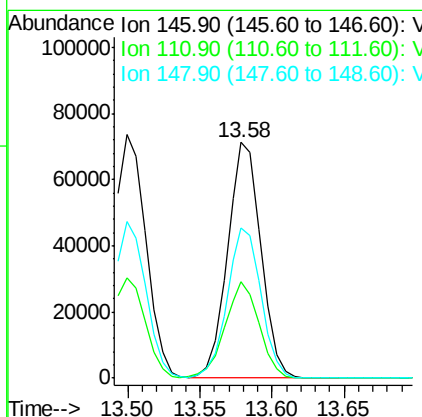
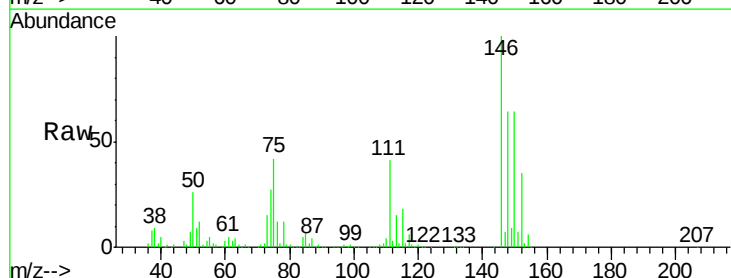
Manual Integrations
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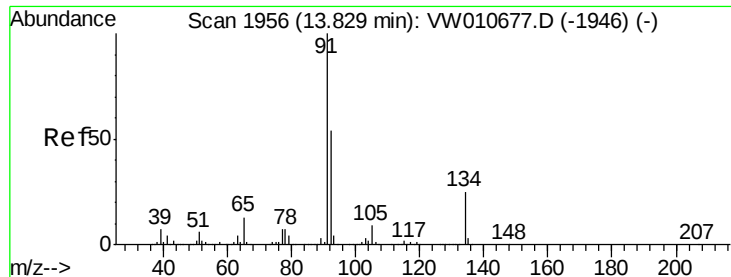
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#88
 1,4-Dichlorobenzene
 Concen: 20.712 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115329		
111	42.0	20.3	60.9	
148	64.5	32.4	97.2	





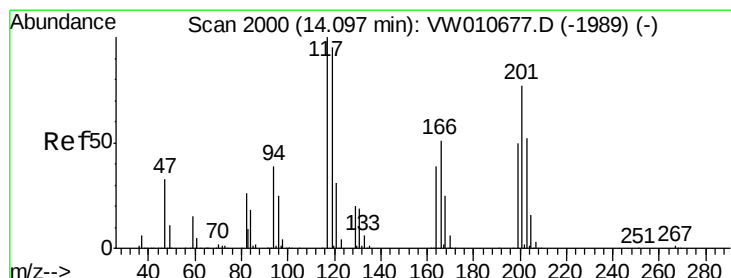
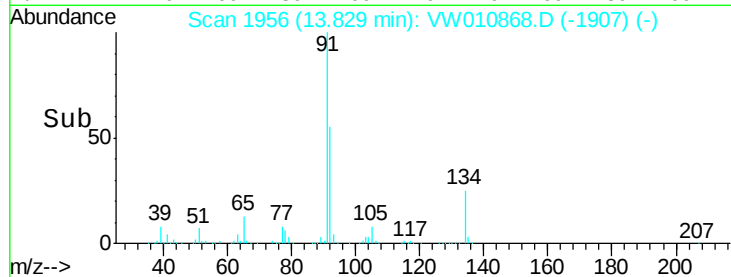
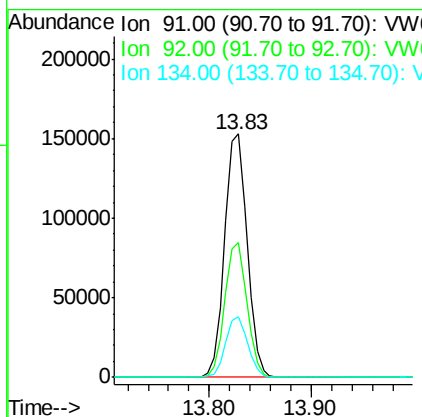
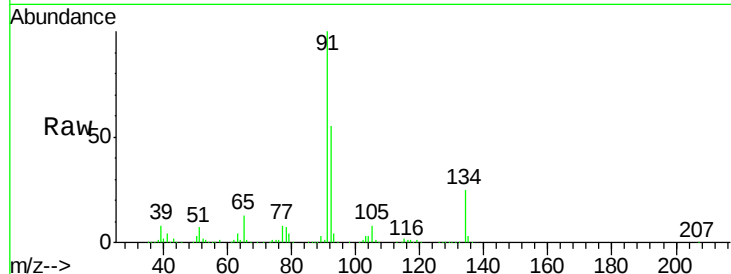
#89
n-Butylbenzene
Concen: 19.433 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	24.3	12.3	36.9

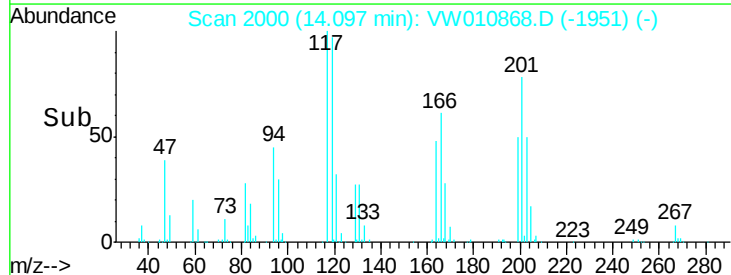
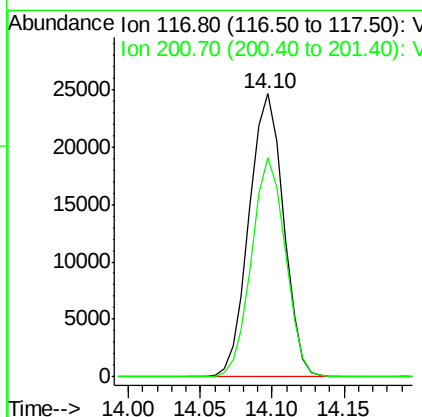
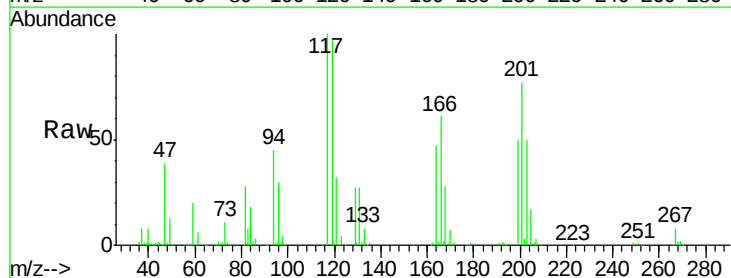
Manual Integrations
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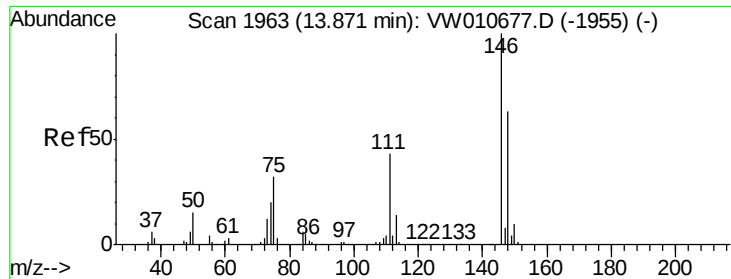
MMDadoda
6/20/2019 12:00:27 PM



#90
Hexachloroethane
Concen: 18.903 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	38.8	116.4





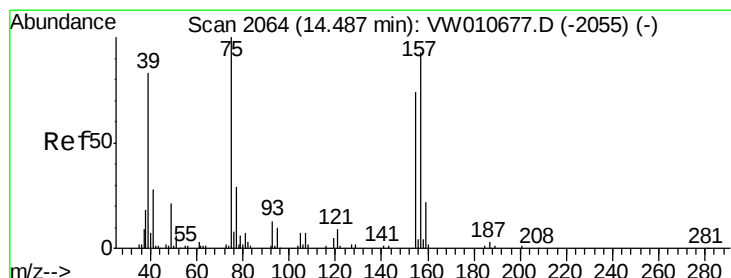
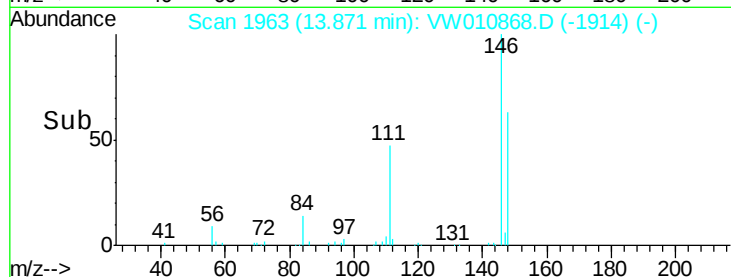
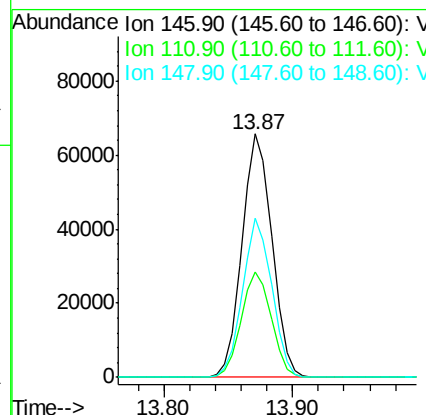
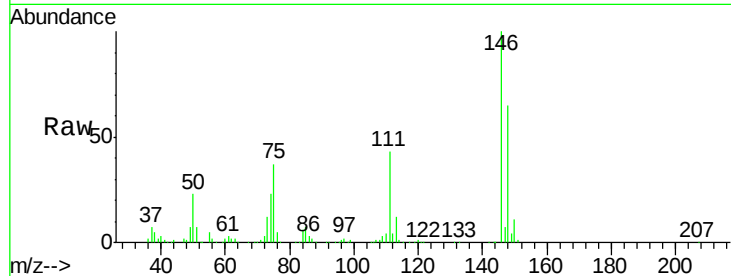
#91
 1,2-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	63.5	31.9	95.5

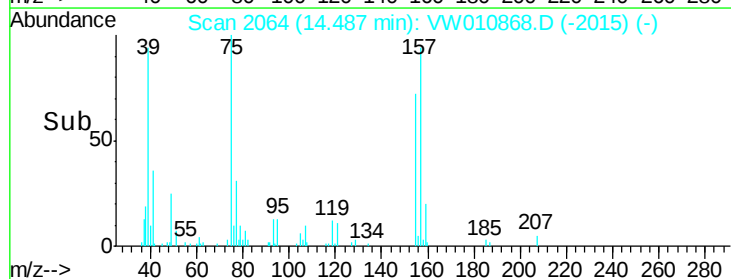
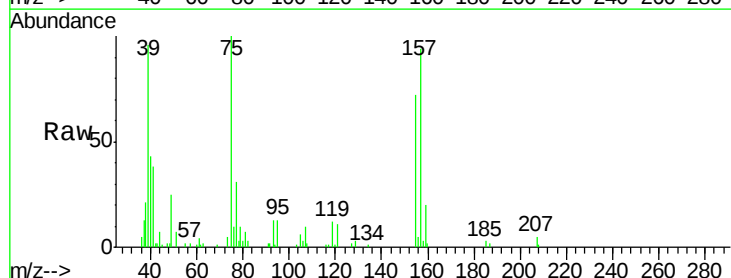
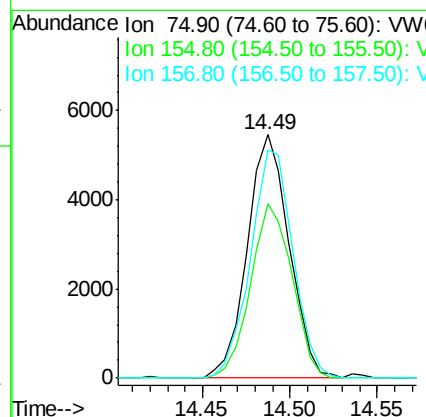
Manual Integrations
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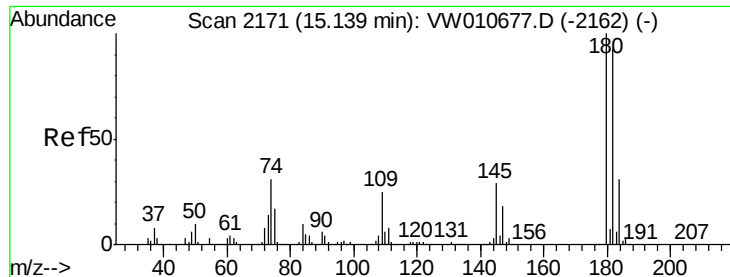
MMDadoda
 6/20/2019 12:00:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.794 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010868.D
 Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	38.8	116.4
157	95.3	48.4	145.0





#93

1,2,4-Trichlorobenzene

Concen: 20.422 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:180 Resp: 72386

Ion Ratio Lower Upper

180 100

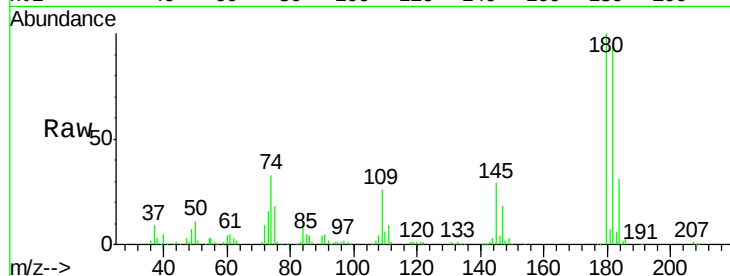
182 93.9 47.1 141.4

145 30.6 15.2 45.5

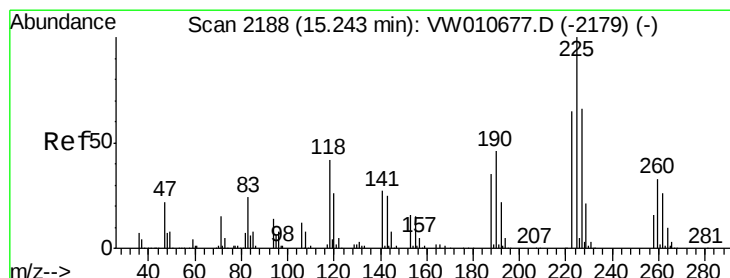
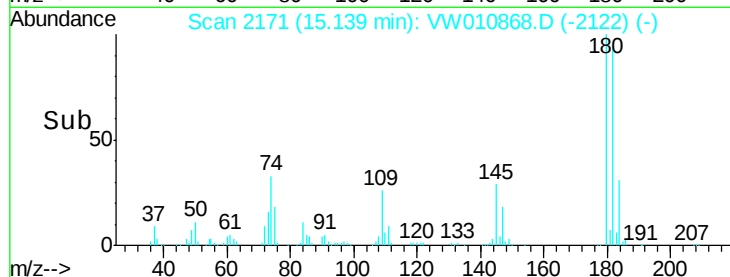
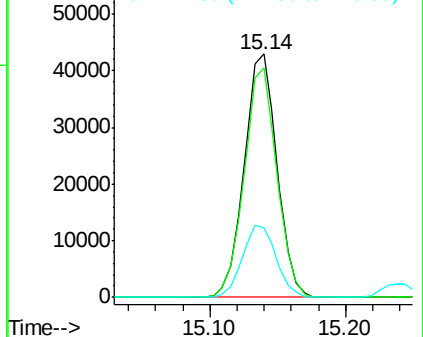
Manual Integrations
APPROVED

MMDadoda

6/20/2019 12:00:27 PM



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: 19.698 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VW010868.D

Acq: 20 Jun 2019 01:21

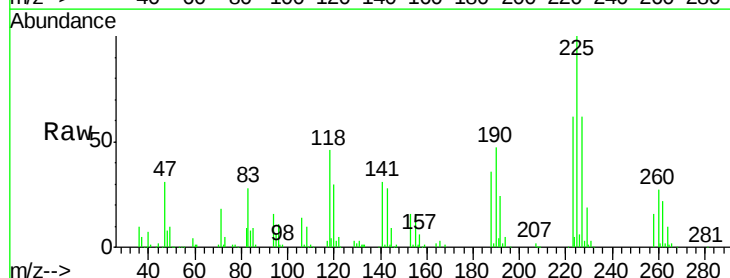
Tgt Ion:225 Resp: 43819

Ion Ratio Lower Upper

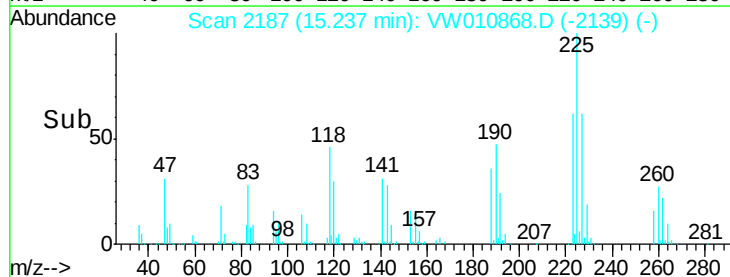
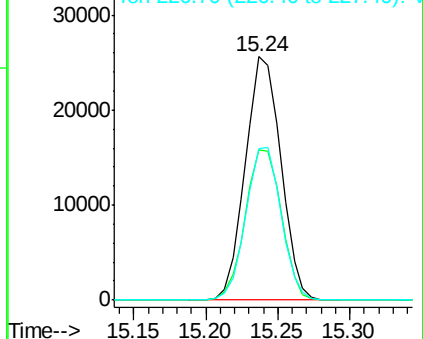
225 100

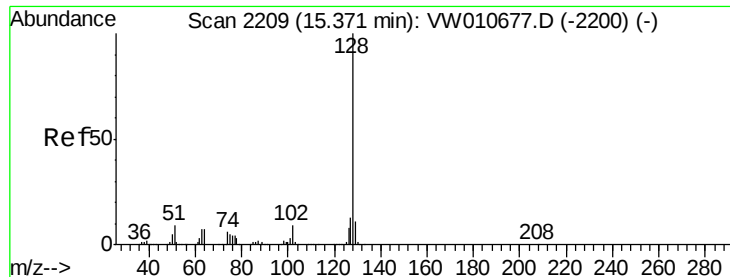
223 62.6 32.2 96.6

227 62.1 32.0 96.0



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





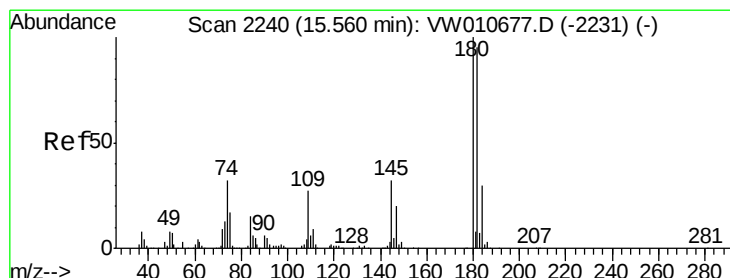
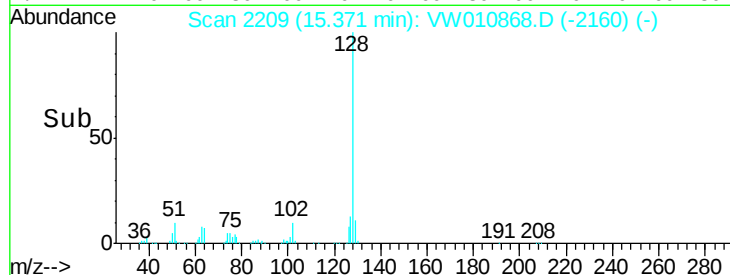
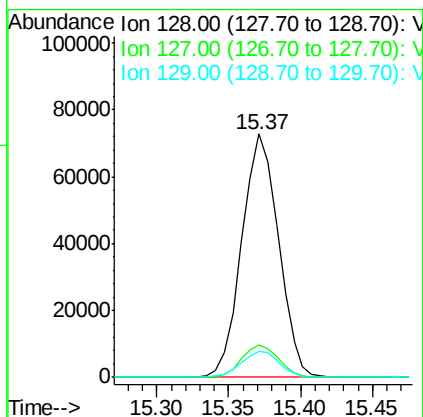
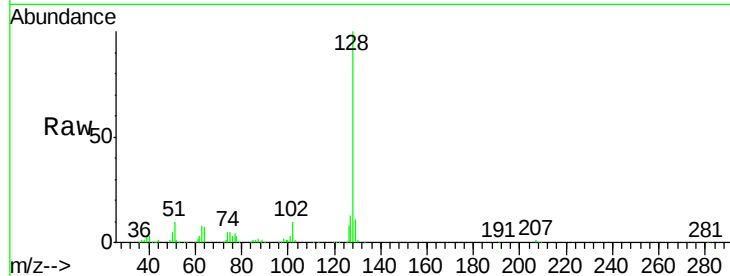
#95
Naphthalene
Concen: 19.989 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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6/20/2019 12:00:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.813 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010868.D
Acq: 20 Jun 2019 01:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.0	141.0
145	32.5	16.1	48.3

