

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011163.D
 Acq On : 08 Jul 2019 16:19
 Operator : SY/VA
 Sample : VW0708SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:11 PM

Quant Time: Jul 09 07:04:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144639	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.88	113	114124	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.32	98	472261	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	170287	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	37302	20.953	ug/l	96
3) Chloromethane	2.21	50	47240	20.593	ug/l	99
4) Vinyl Chloride	2.36	62	61686	20.545	ug/l	98
5) Bromomethane	2.76	94	31101	20.614	ug/l	97
6) Chloroethane	2.91	64	31488	19.471	ug/l	100
7) Trichlorofluoromethane	3.24	101	19666	18.437	ug/l	94
8) Diethyl Ether	3.67	74	27660	18.742	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49971	19.559	ug/l	99
10) Methyl Iodide	4.26	142	68318	19.442	ug/l	99
11) Tert butyl alcohol	5.17	59	19998	90.054	ug/l	100
12) 1,1-Dichloroethene	4.03	96	51518	19.428	ug/l	94
13) Acrolein	3.89	56	15719	88.893	ug/l	93
14) Allyl chloride	4.66	41	95095	19.666	ug/l	99
15) Acrylonitrile	5.36	53	71505	95.133	ug/l	99
16) Acetone	4.12	43	65931	91.356	ug/l	97
17) Carbon Disulfide	4.38	76	150272	18.692	ug/l	99
18) Methyl Acetate	4.66	43	50075	23.655	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	75994	18.887	ug/l	98
20) Methylene Chloride	4.91	84	58066	20.395	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	54271	19.696	ug/l	94
22) Diisopropyl ether	6.31	45	204743	19.686	ug/l	97
23) Vinyl Acetate	6.24	43	582057	90.430	ug/l	100
24) 1,1-Dichloroethane	6.21	63	109677	20.082	ug/l	97
25) 2-Butanone	7.17	43	104053	91.849	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55431	19.525	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57796	19.445	ug/l	98
28) Bromochloromethane	7.51	49	48168	19.397	ug/l	99
29) Tetrahydrofuran	7.52	42	68396	92.075	ug/l	99
30) Chloroform	7.67	83	99424	19.657	ug/l	98
31) Cyclohexane	7.95	56	111866	19.253	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	75145	19.531	ug/l	99
36) 1,1-Dichloropropene	8.07	75	82976	19.970	ug/l	99
37) Ethyl Acetate	7.24	43	45409	18.189	ug/l	99
38) Carbon Tetrachloride	8.06	117	68808	19.535	ug/l	98

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 APPROVED

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	96756	19.212	ug/l	97
40) Benzene	8.32	78	229504	19.986	ug/l	99
41) Methacrylonitrile	7.48	41	26182	18.337	ug/l	97
42) 1,2-Dichloroethane	8.40	62	72746	19.529	ug/l	99
43) Isopropyl Acetate	8.42	43	87647	18.596	ug/l	99
44) Trichloroethene	9.09	130	54026	19.551	ug/l	96
45) 1,2-Dichloropropane	9.37	63	61408	19.748	ug/l	98
46) Dibromomethane	9.46	93	28331	19.395	ug/l	98
47) Bromodichloromethane	9.64	83	72102	19.291	ug/l	99
48) Methyl methacrylate	9.43	41	42747	18.851	ug/l	99
49) 1,4-Dioxane	9.45	88	9064	371.749	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	230331	93.550	ug/l	100
52) Toluene	10.38	92	139978	20.095	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73992	18.599	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88839	18.972	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40840	19.708	ug/l	97
56) Ethyl methacrylate	10.64	69	58668	18.595	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75891	19.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	147604	100.916	ug/l	99
59) 2-Hexanone	10.97	43	157250	92.095	ug/l	99
60) Dibromochloromethane	11.13	129	42792	18.831	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37473	19.091	ug/l	100
64) Tetrachloroethene	10.86	164	45852	19.689	ug/l	98
65) Chlorobenzene	11.66	112	138850	19.788	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47986	19.423	ug/l	99
67) Ethyl Benzene	11.73	91	265269	19.748	ug/l	98
68) m/p-Xylenes	11.84	106	193782	39.869	ug/l	99
69) o-Xylene	12.16	106	89574	19.553	ug/l	99
70) Styrene	12.18	104	156342	19.775	ug/l	99
71) Bromoform	12.35	173	23532	17.914	ug/l #	98
73) Isopropylbenzene	12.46	105	247464	19.854	ug/l	99
74) N-amyl acetate	12.27	43	80510	18.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48199	18.865	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33935m	17.612	ug/l	
77) Bromobenzene	12.75	156	55378	19.798	ug/l	98
78) n-propylbenzene	12.80	91	302138	19.678	ug/l	100
79) 2-Chlorotoluene	12.89	91	173618	19.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	210220	19.853	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15171	17.809	ug/l	98
82) 4-Chlorotoluene	12.99	91	181495	19.722	ug/l	99
83) tert-Butylbenzene	13.21	119	175332	19.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	209464	19.701	ug/l	99
85) sec-Butylbenzene	13.38	105	248517	19.503	ug/l	100
86) p-Isopropyltoluene	13.50	119	222180	19.440	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106946	19.872	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	107353	19.810	ug/l	99
89) n-Butylbenzene	13.82	91	221432	19.422	ug/l	99
90) Hexachloroethane	14.10	117	38084	18.235	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	94980	19.454	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7896	17.423	ug/l	99

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VW0708SBS01

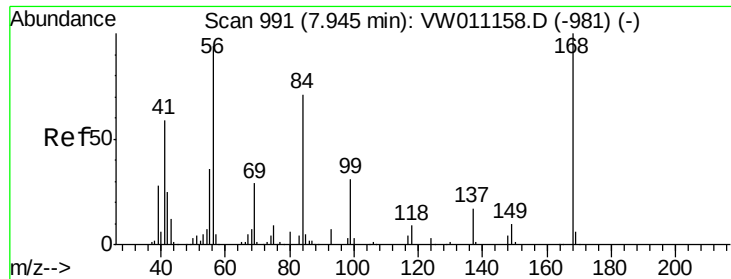
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63693	18.940	ug/l	99
94) Hexachlorobutadiene	15.24	225	39026	18.903	ug/l	100
95) Naphthalene	15.37	128	118127	18.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57367	19.329	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:168 Resp: 238704

Ion Ratio Lower Upper

168 100

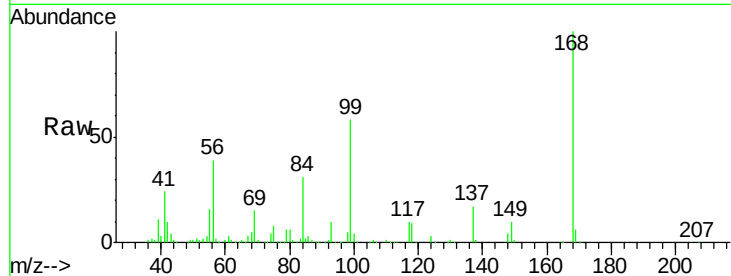
99 58.4 50.1 75.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

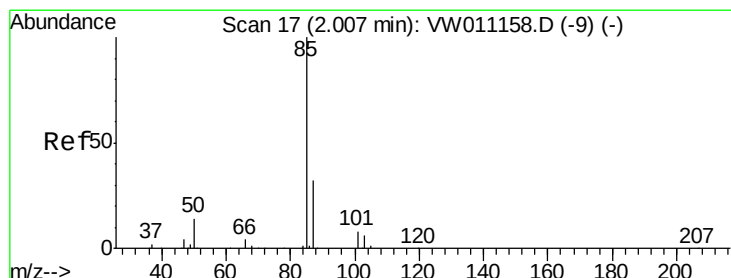
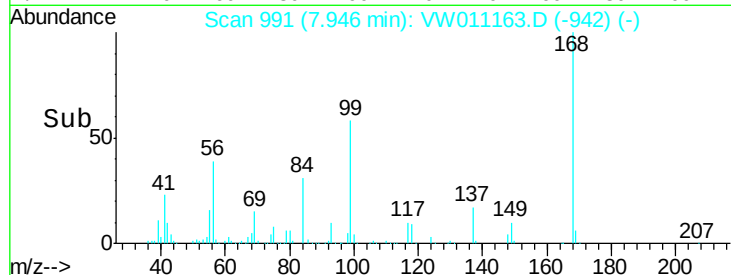
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.953 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011163.D

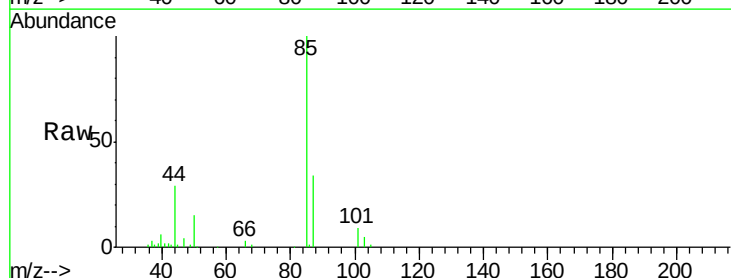
Acq: 08 Jul 2019 16:19

Tgt Ion: 85 Resp: 37302

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

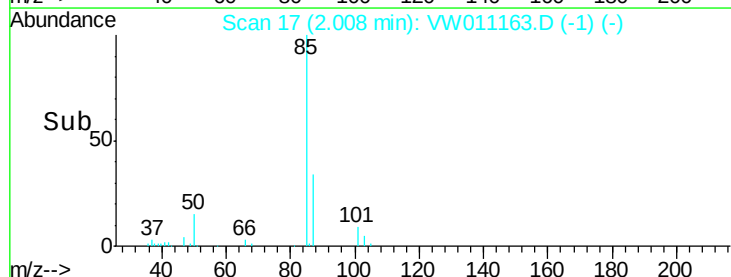
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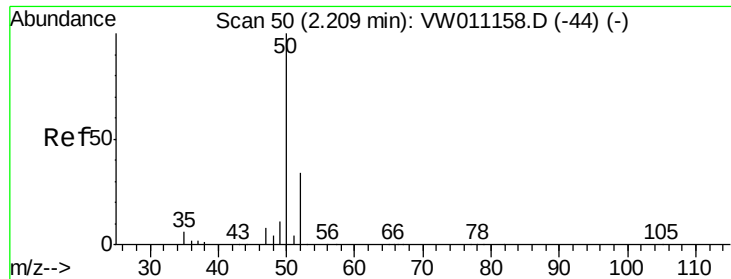
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 20.593 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 50 Resp: 47240

Ion Ratio Lower Upper

50 100

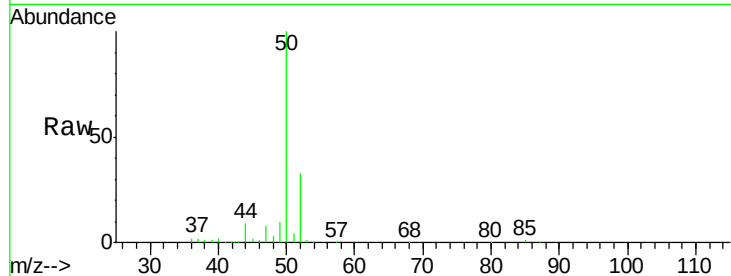
52 33.1 26.9 40.3

Manual Integrations

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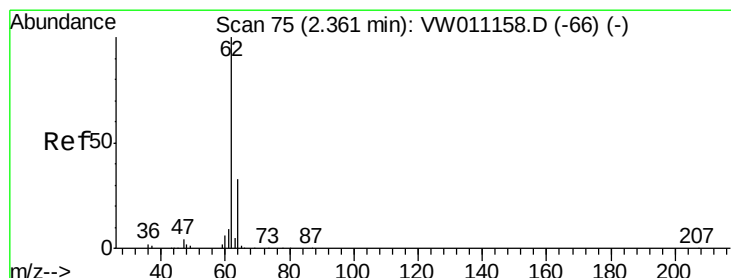
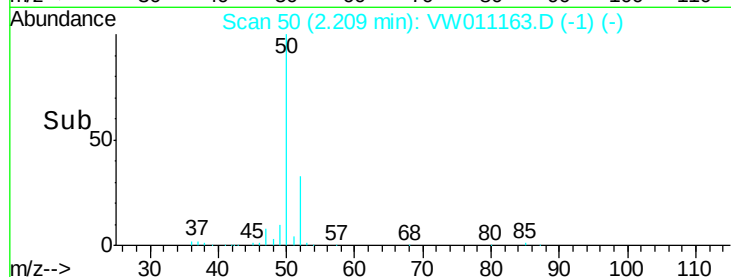
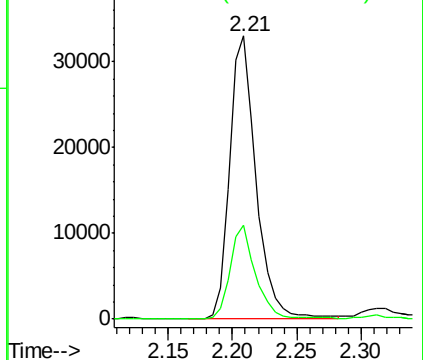
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.545 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011163.D

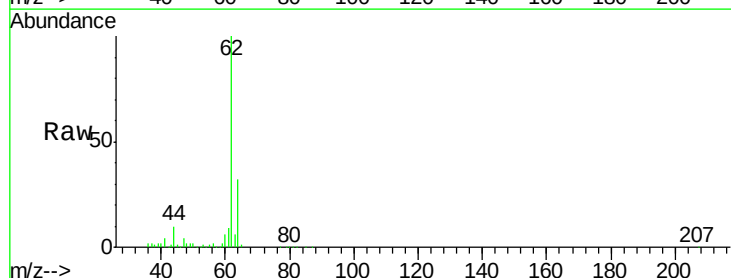
Acq: 08 Jul 2019 16:19

Tgt Ion: 62 Resp: 61686

Ion Ratio Lower Upper

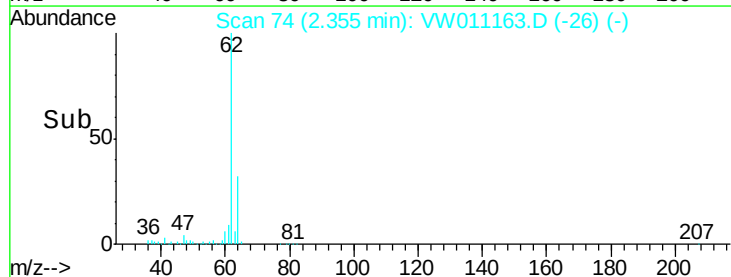
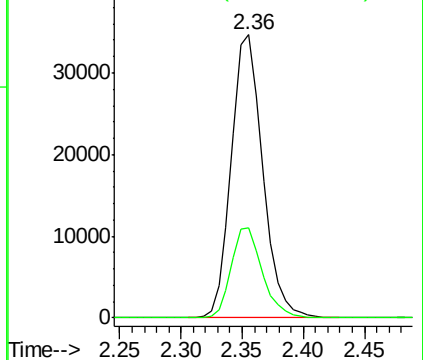
62 100

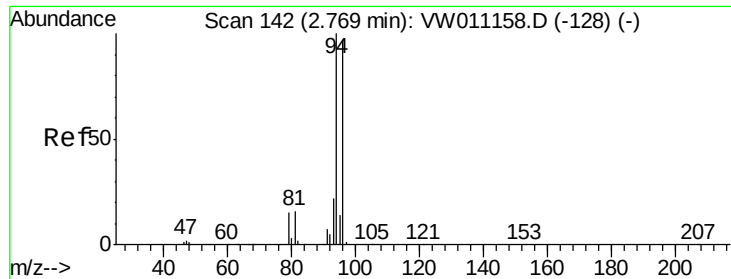
64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.614 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampled :

VW0708SBS01

Tot Ion: 94 Resp: 31101

Ion Ratio Lower Upper

94 100

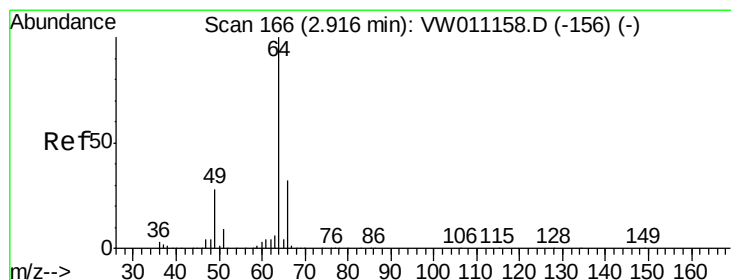
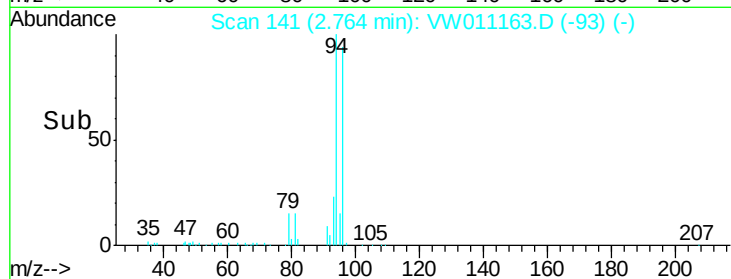
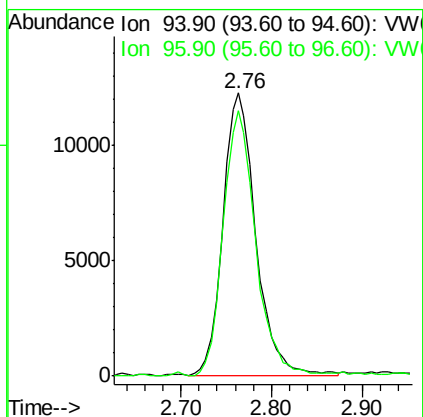
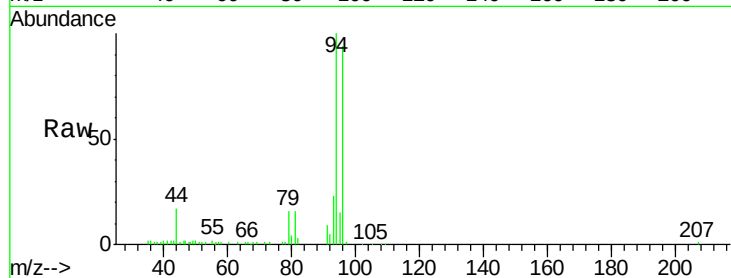
96 93.7 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 19.471 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011163.D

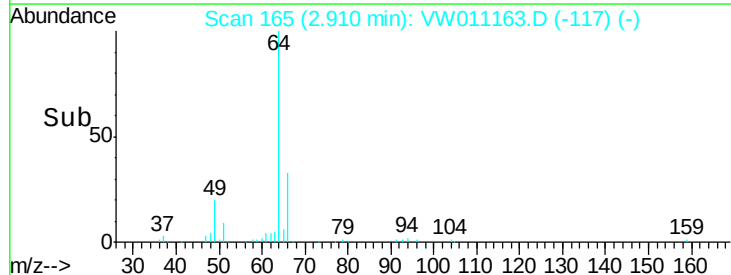
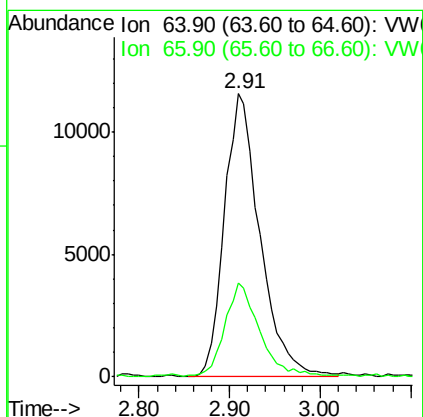
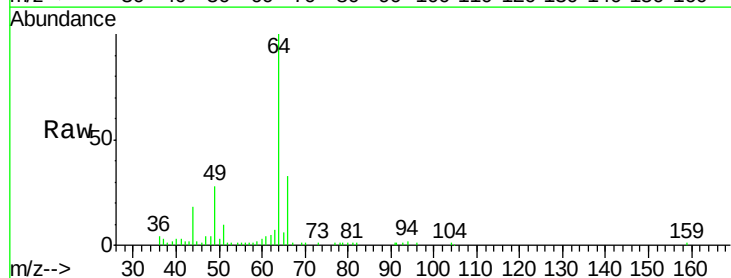
Acq: 08 Jul 2019 16:19

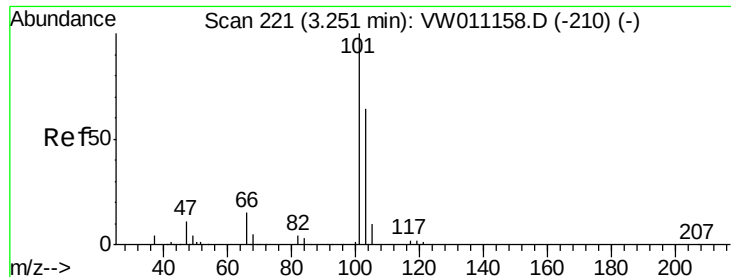
Tgt Ion: 64 Resp: 31488

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8





#7

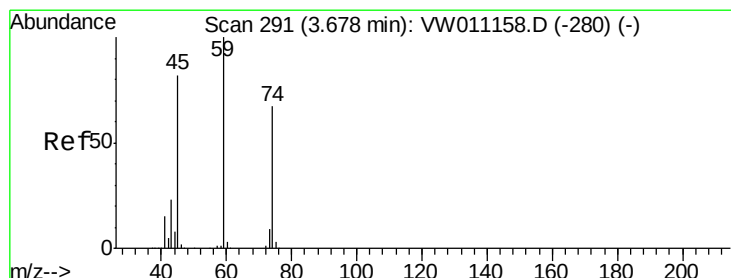
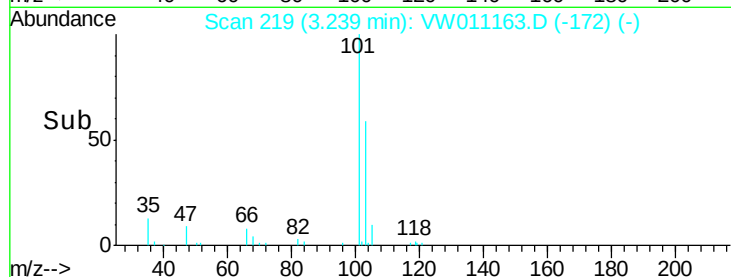
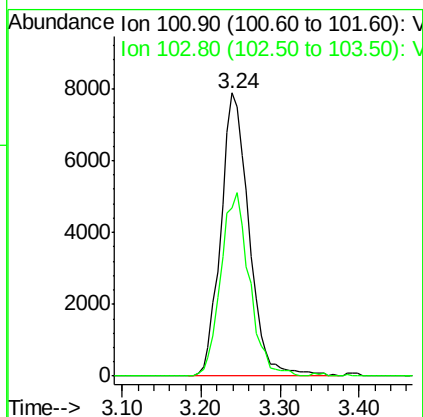
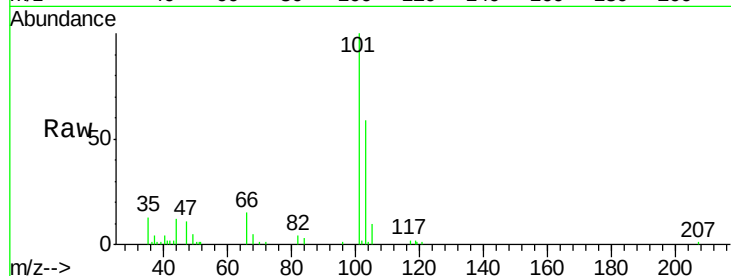
Trichlorofluoromethane
Concen: 18.437 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	19666		
103	59.3	51.3	76.9	

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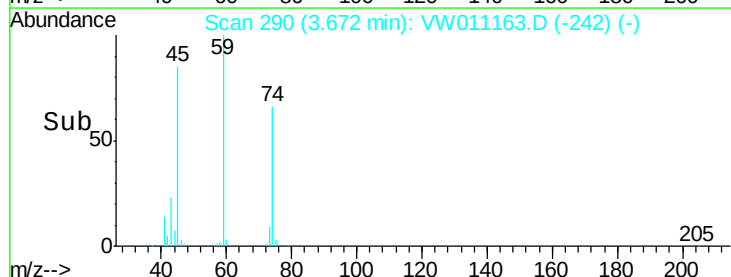
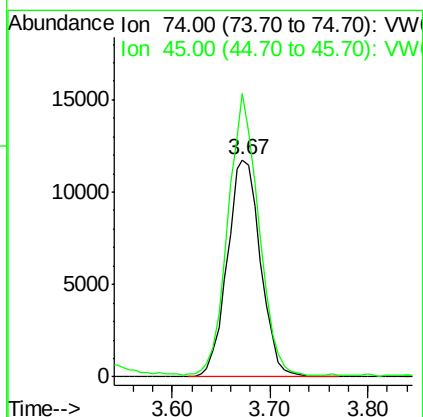
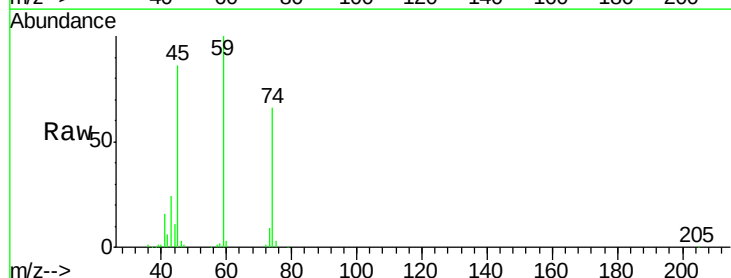
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7/9/2019 4:13:11 PM

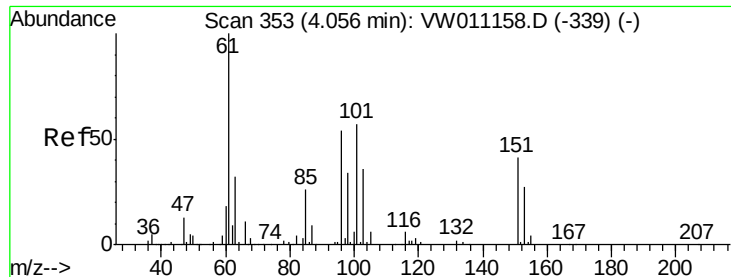


#8

Diethyl Ether
Concen: 18.742 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27660		
45	120.0	59.9	179.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.559 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

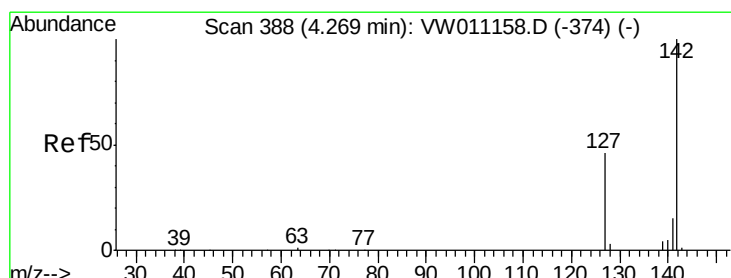
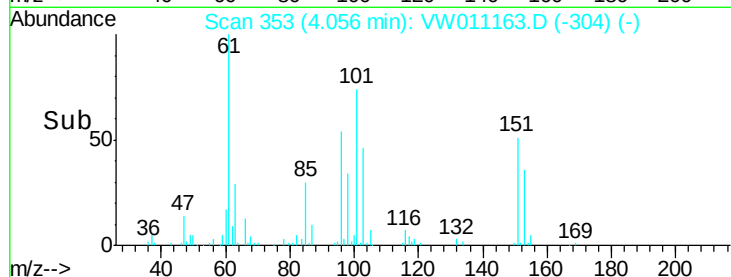
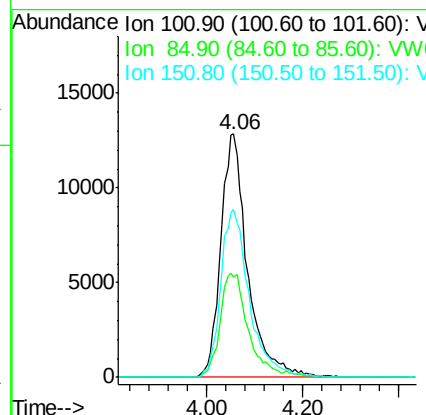
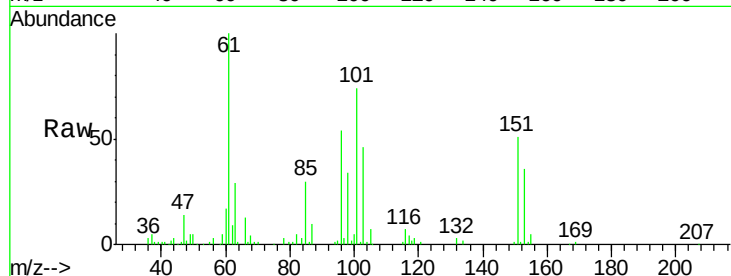
ClientSampleId :

VW0708SBS01

Tot Ion:	101	Resp:	49971
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.5	54.7
151	73.2	59.1	88.7

Manual Integrations
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MMDadoda
7/9/2019 4:13:11 PM



#10

Methyl Iodide

Concen: 19.442 ug/l

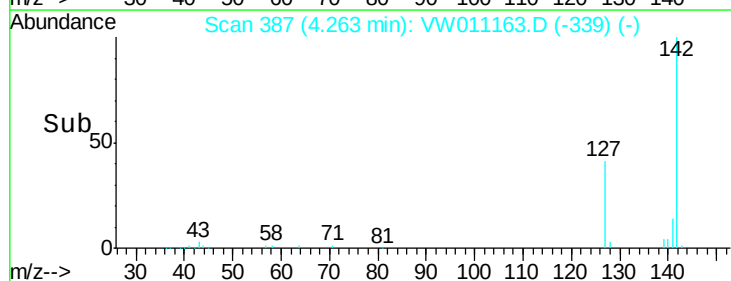
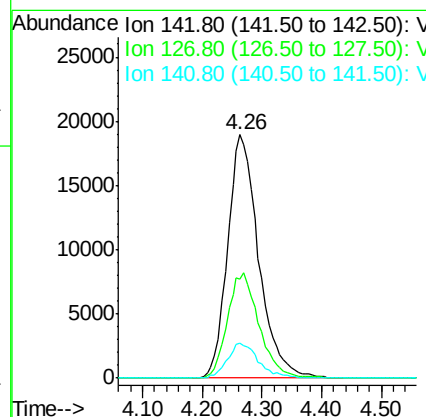
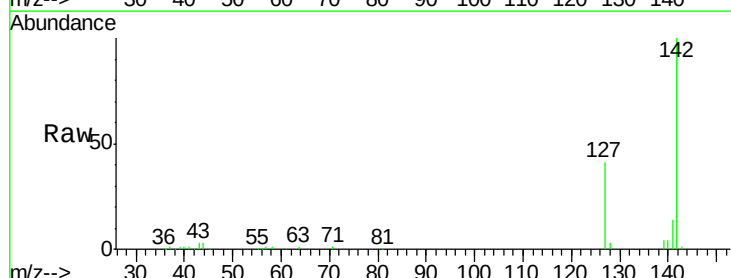
RT: 4.26 min Scan# 387

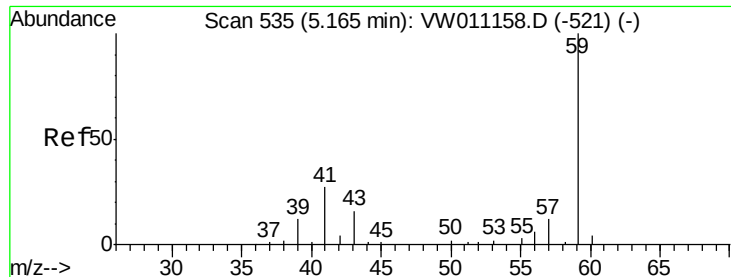
Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion:	142	Resp:	68318
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.4	11.5	17.3





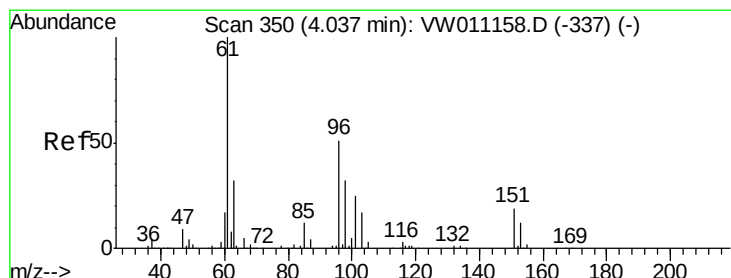
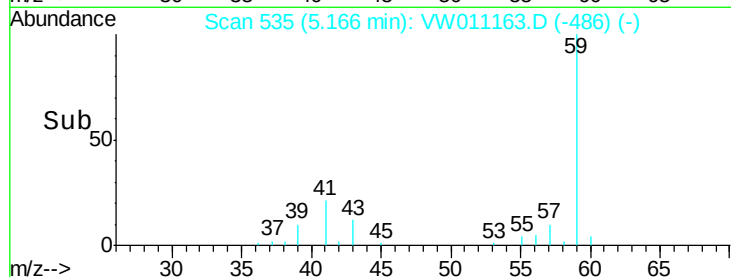
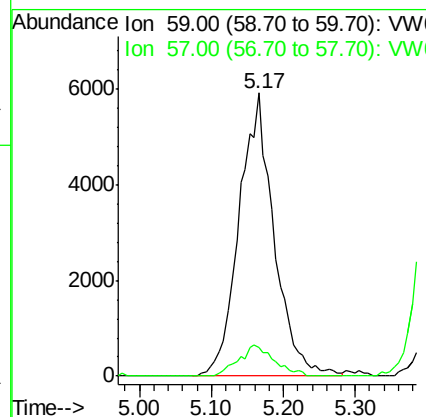
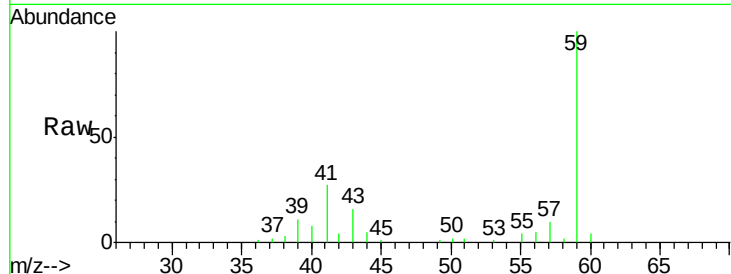
#11
Tert butyl alcohol
Concen: 90.054 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	19998
Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

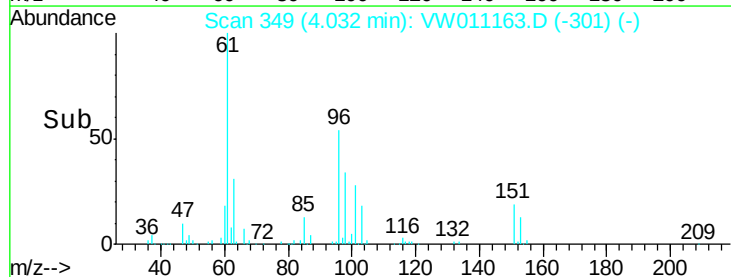
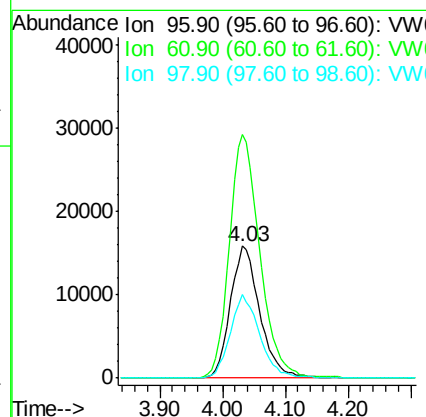
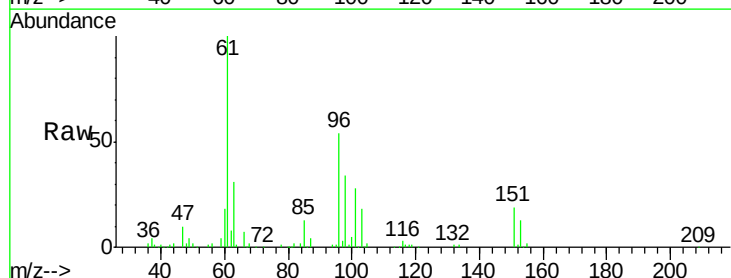
Manual Integrations
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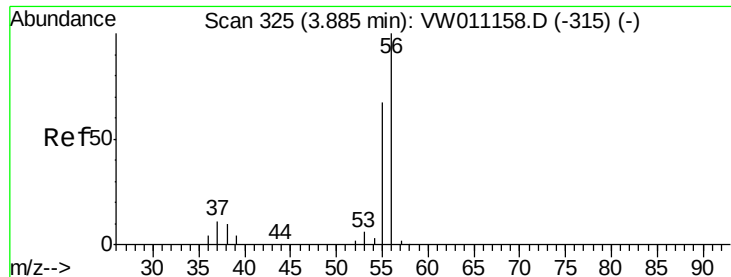
MMDadoda
7/9/2019 4:13:11 PM



#12
1,1-Dichloroethene
Concen: 19.428 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	96	Resp	51518
Ion	Ratio	Lower	Upper
96	100		
61	184.6	157.7	236.5
98	63.0	50.9	76.3





#13

Acrolein

Concen: 88.893 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 56 Resp: 15719

Ion Ratio Lower Upper

56 100

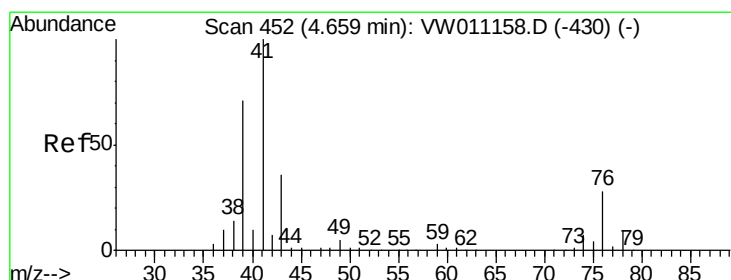
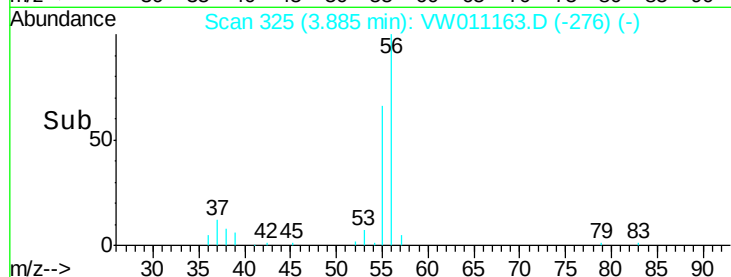
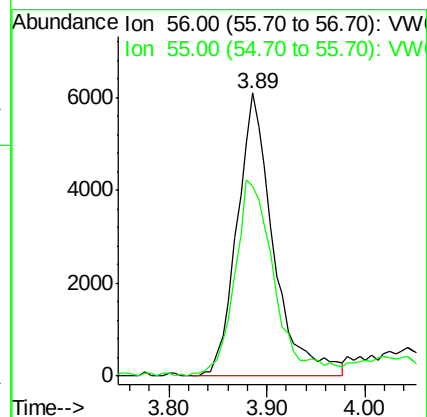
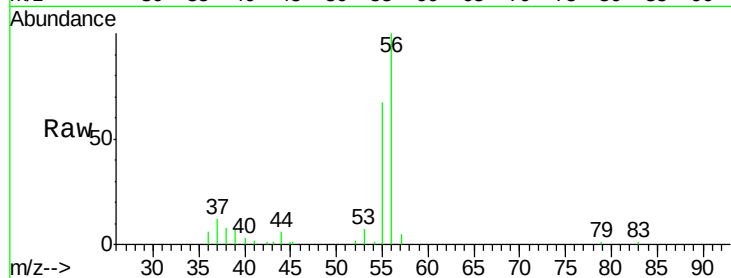
55 76.0 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.666 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

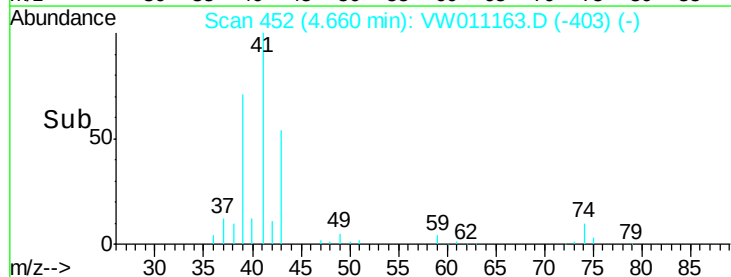
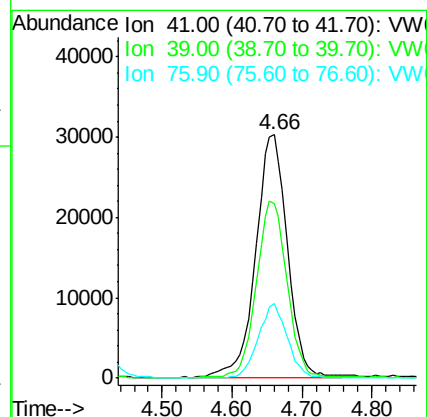
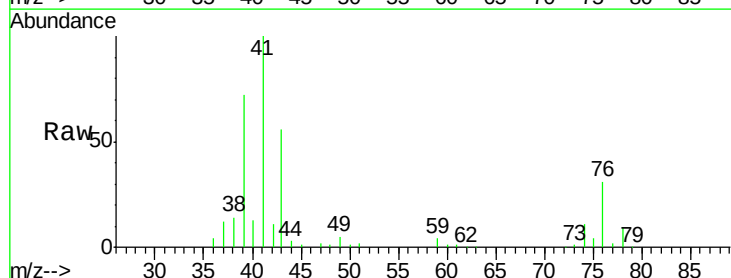
Tgt Ion: 41 Resp: 95095

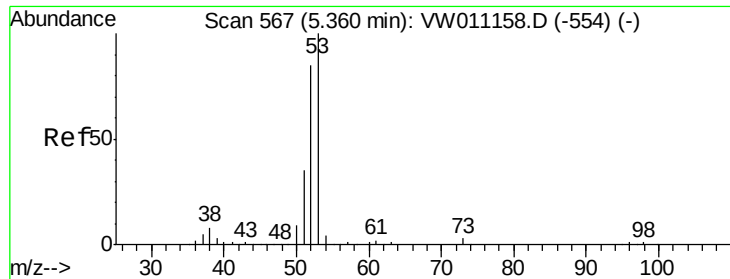
Ion Ratio Lower Upper

41 100

39 70.1 55.1 82.7

76 28.2 22.5 33.7





#15

Acrylonitrile

Concen: 95.133 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

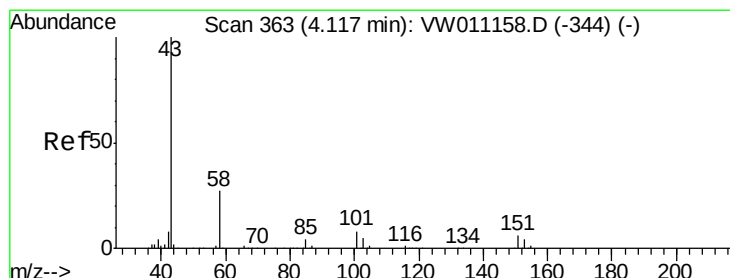
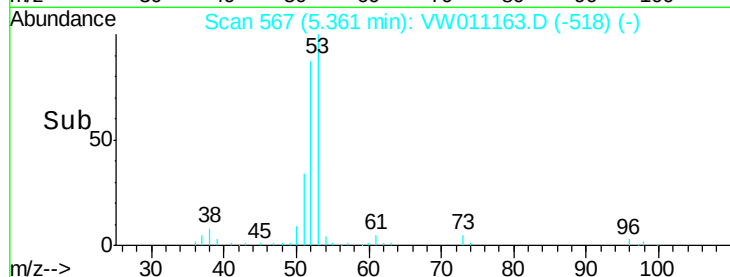
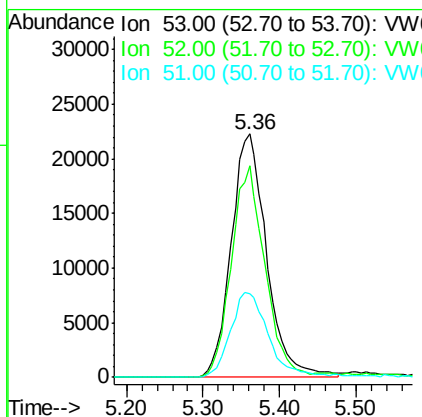
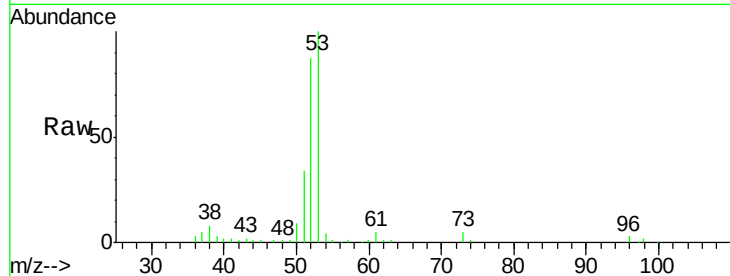
ClientSampleId :

VW0708SBS01

Tot Ion:	53	Resp:	71505
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	37.0	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 91.356 ug/l

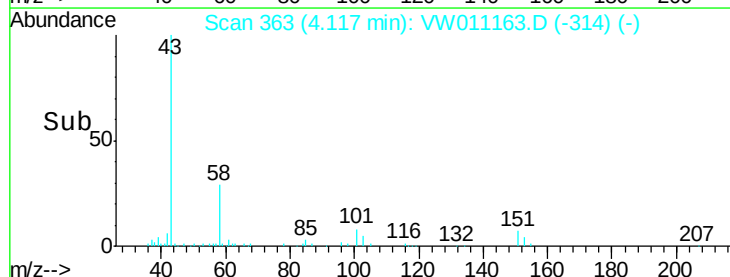
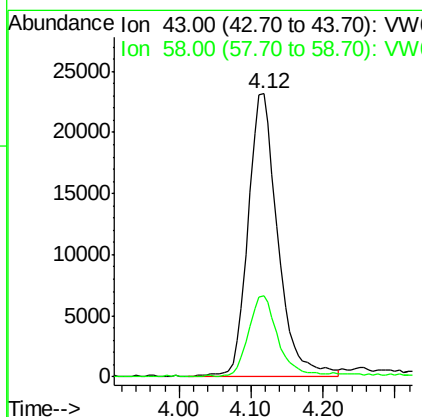
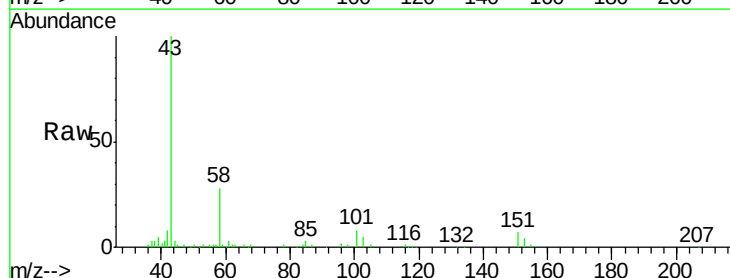
RT: 4.12 min Scan# 363

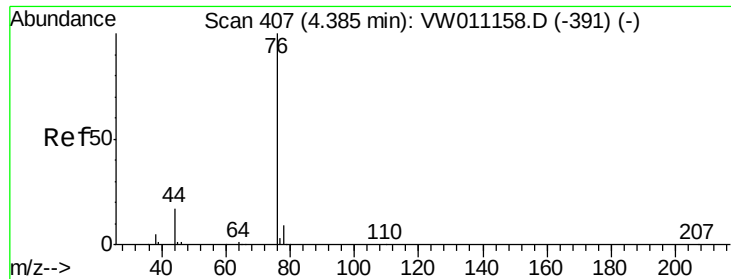
Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion:	43	Resp:	65931
Ion	Ratio	Lower	Upper
43	100		
58	28.6	21.8	32.6





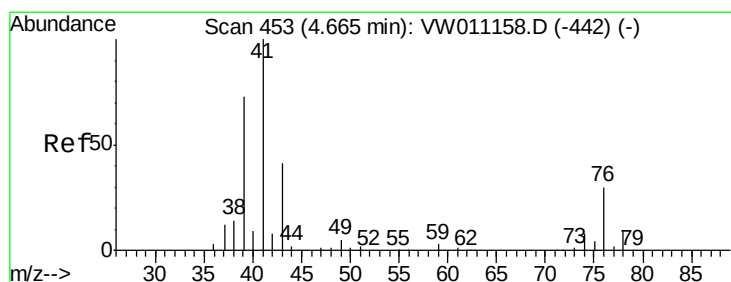
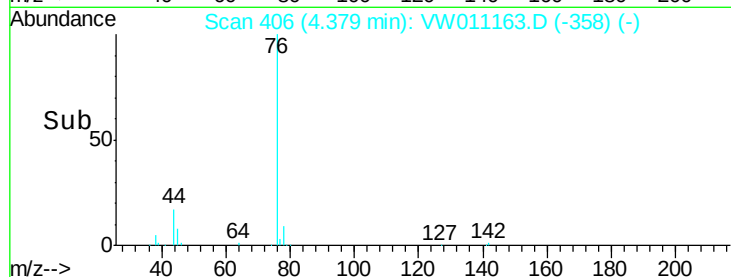
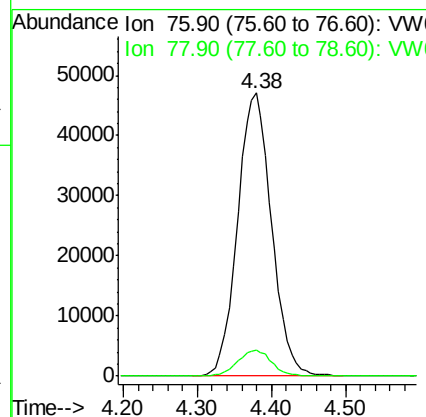
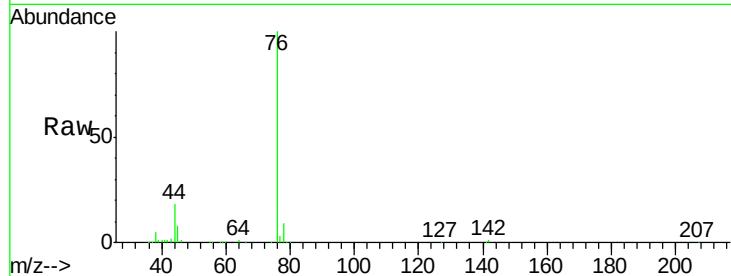
#17
Carbon Disulfide
Concen: 18.692 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

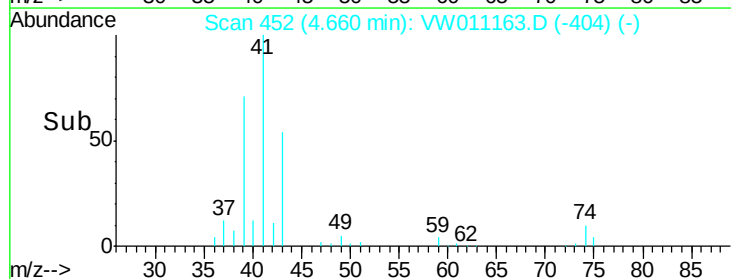
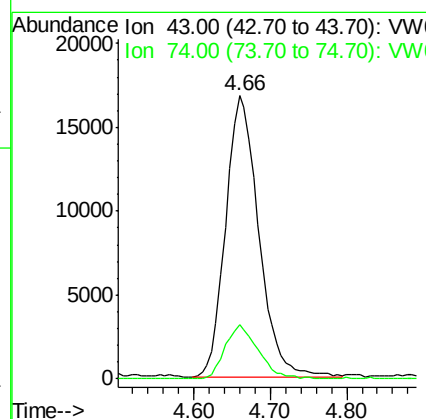
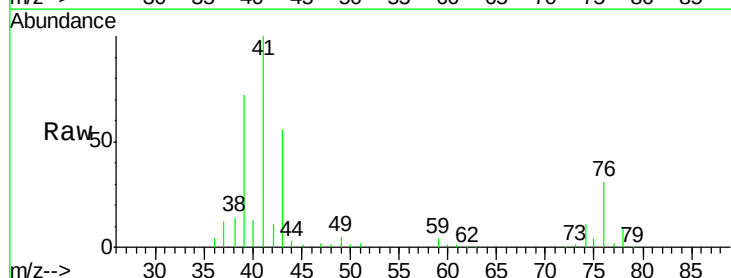
Manual Integrations
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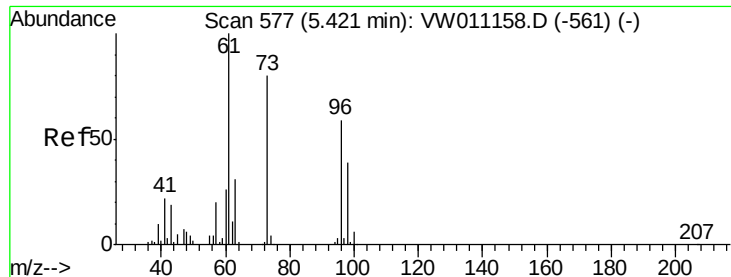
MMDadoda
7/9/2019 4:13:11 PM



#18
Methyl Acetate
Concen: 23.655 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.7	23.5





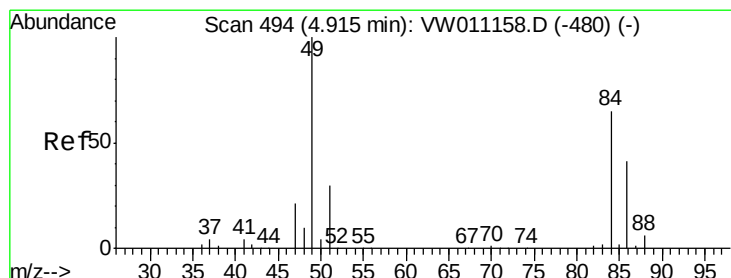
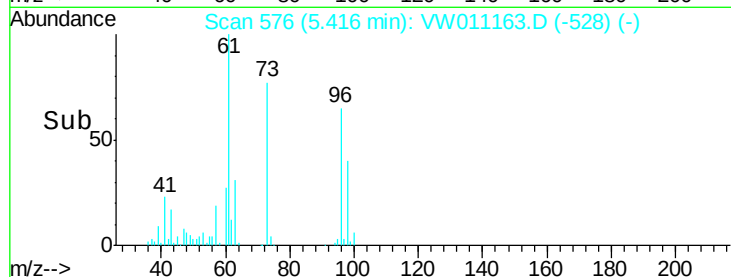
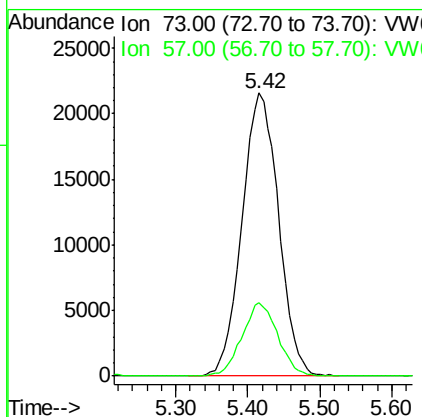
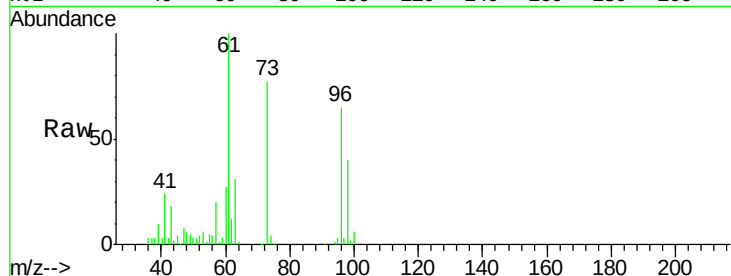
#19
Methyl tert-butyl Ether
Concen: 18.887 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 73 Resp: 75994
Ion Ratio Lower Upper
73 100
57 25.7 19.7 29.5

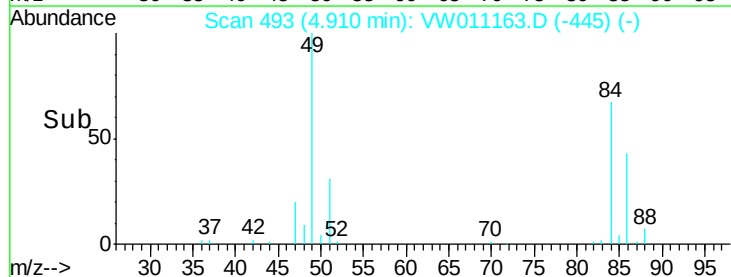
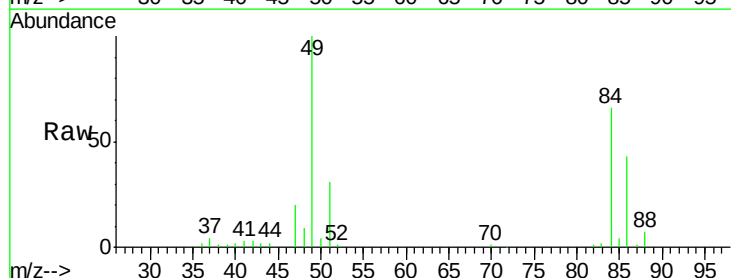
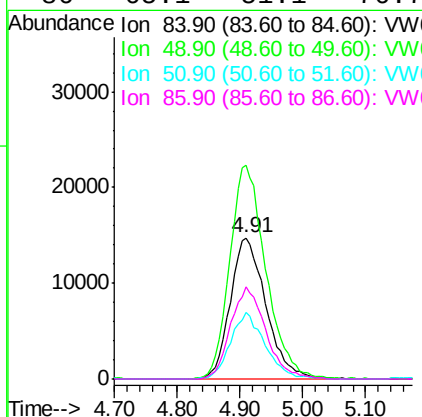
Manual Integrations
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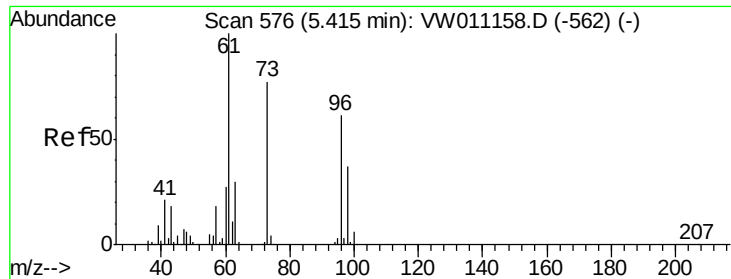
MMDadoda
7/9/2019 4:13:11 PM



#20
Methylene Chloride
Concen: 20.395 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion: 84 Resp: 58066
Ion Ratio Lower Upper
84 100
49 151.7 123.8 185.6
51 47.5 37.4 56.2
86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.696 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

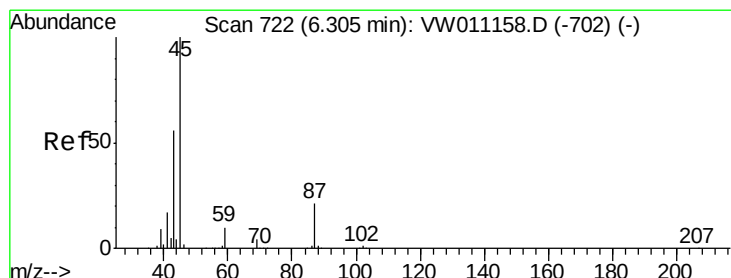
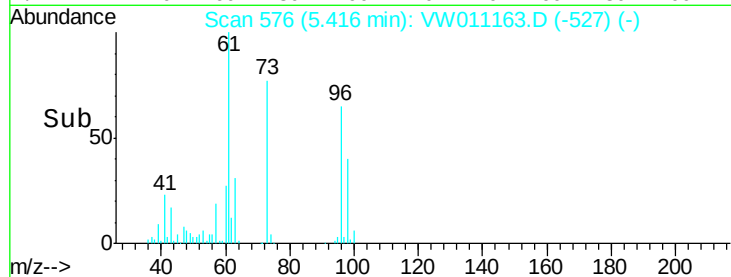
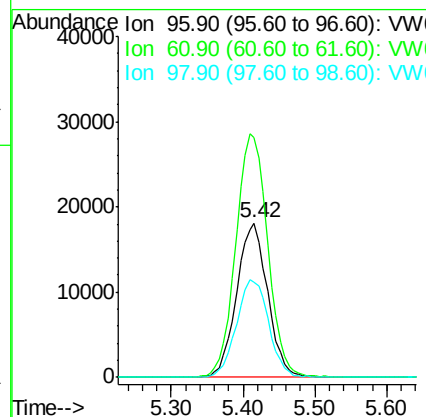
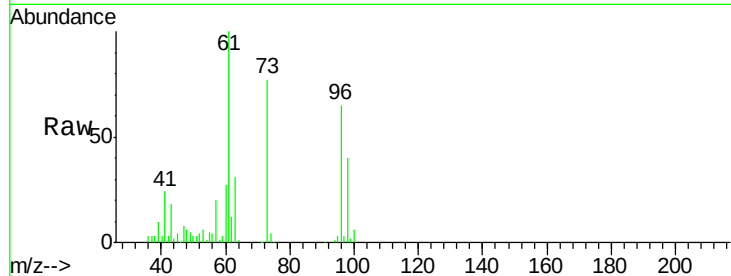
ClientSampleId :

VW0708SBS01

Tot Ion:	96	Resp:	54271
Ion	Ratio	Lower	Upper
96	100		
61	155.0	132.2	198.2
98	61.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.686 ug/l

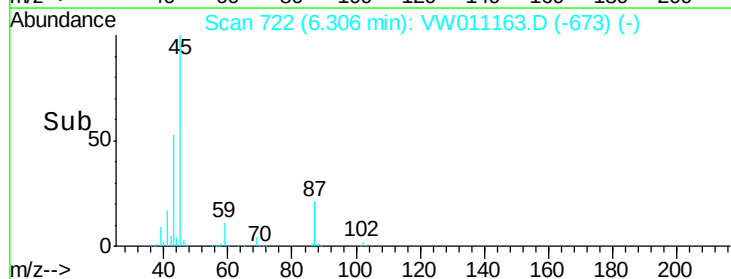
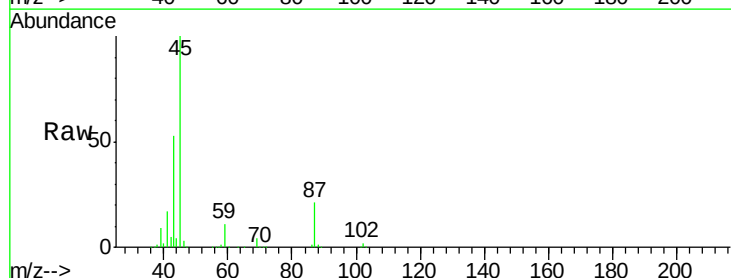
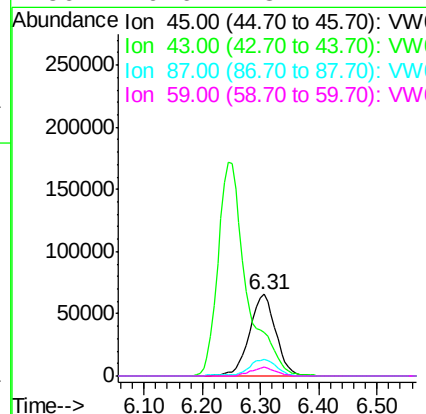
RT: 6.31 min Scan# 722

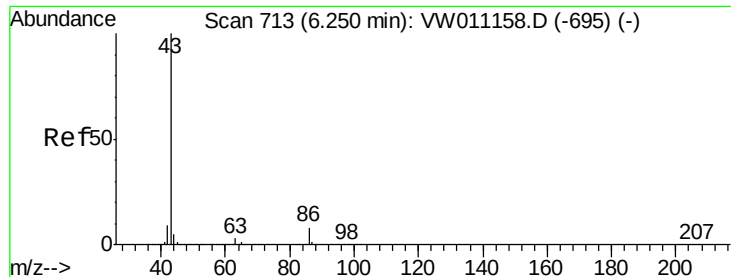
Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion:	45	Resp:	204743
Ion	Ratio	Lower	Upper
45	100		
43	53.1	44.6	66.8
87	20.5	17.3	25.9
59	10.6	8.2	12.2





#23

Vinyl Acetate

Concen: 90.430 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 582057

Ion Ratio Lower Upper

43 100

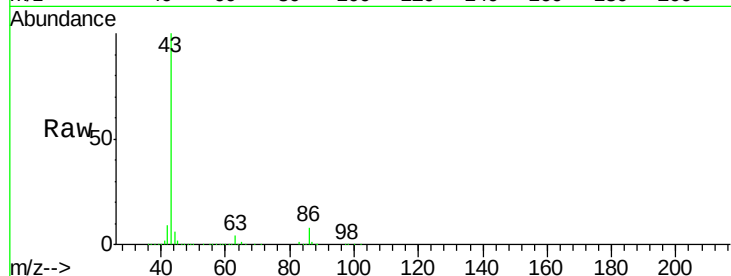
86 8.2 6.5 9.7

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

200000

150000

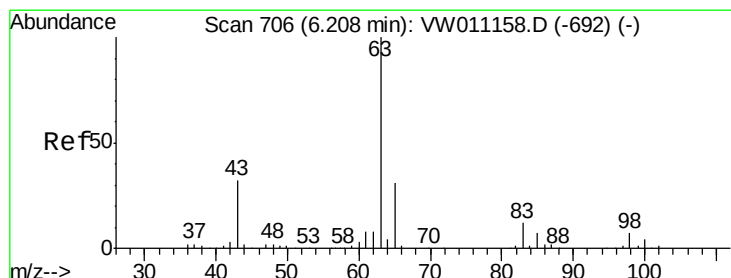
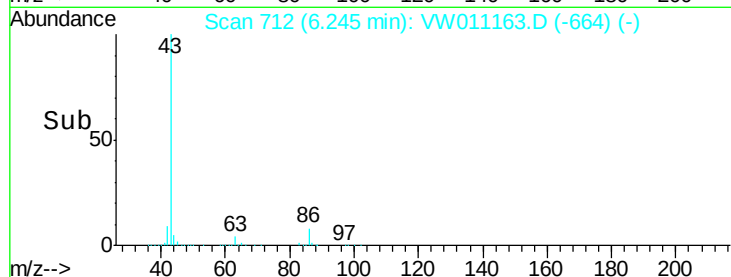
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.082 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

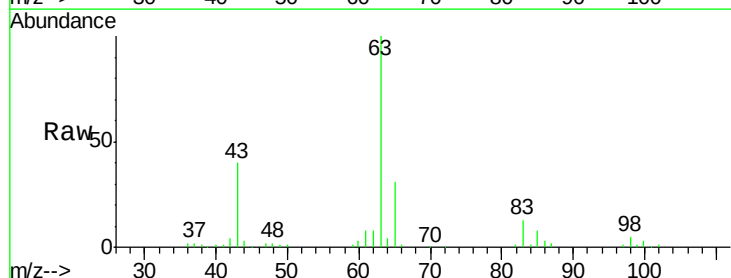
Tgt Ion: 63 Resp: 109677

Ion Ratio Lower Upper

63 100

98 5.2 3.3 9.9

100 3.4 2.1 6.2



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

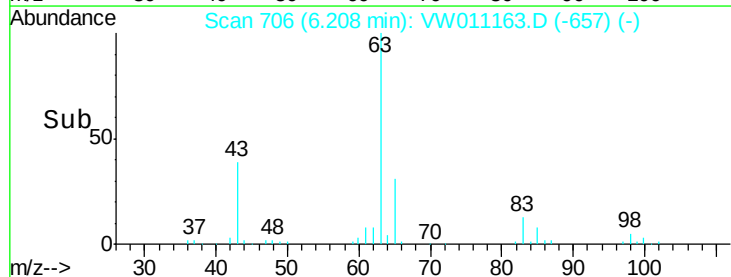
20000

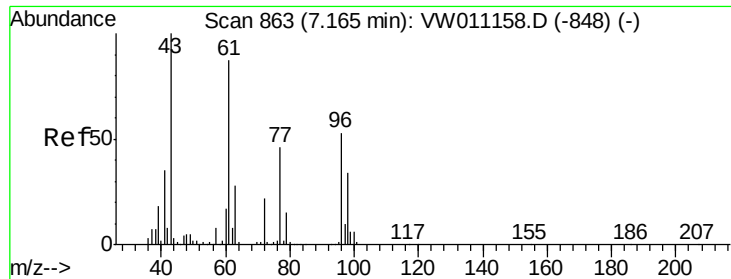
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 91.849 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 104053

Ion Ratio Lower Upper

43 100

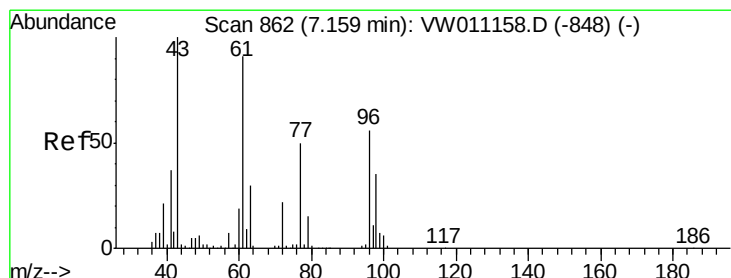
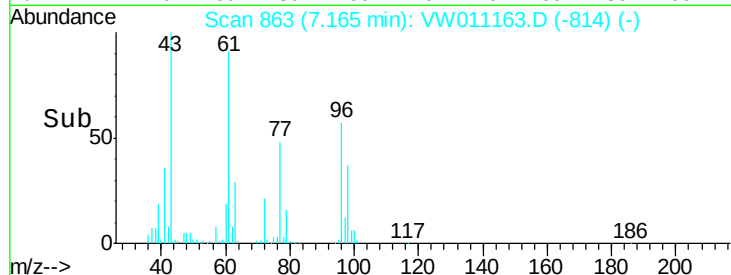
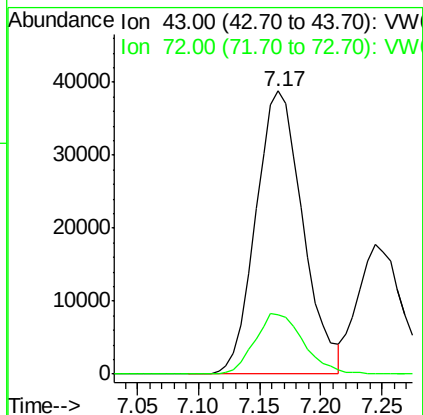
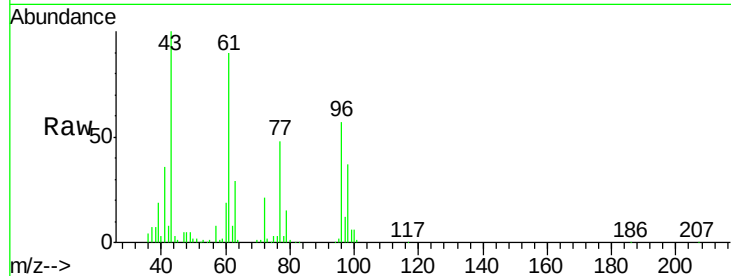
72 21.0 17.6 26.4

Manual Integrations

APPROVED

MMDadoda

7/9/2019 4:13:11 PM



#26

2,2-Dichloropropane

Concen: 19.525 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011163.D

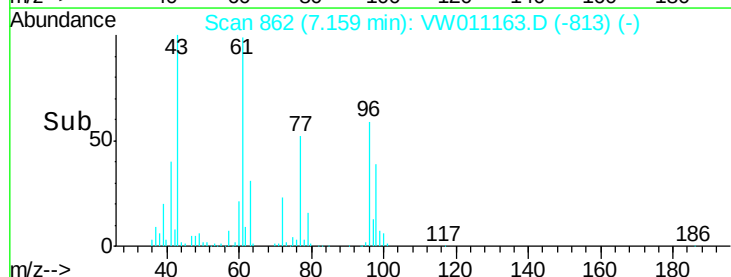
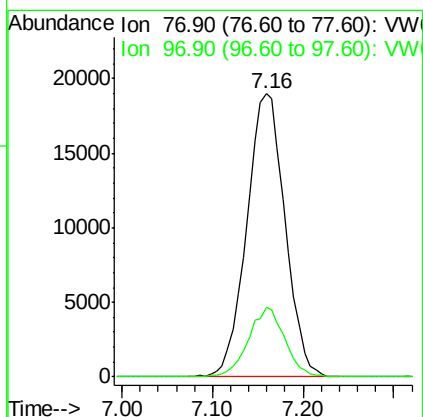
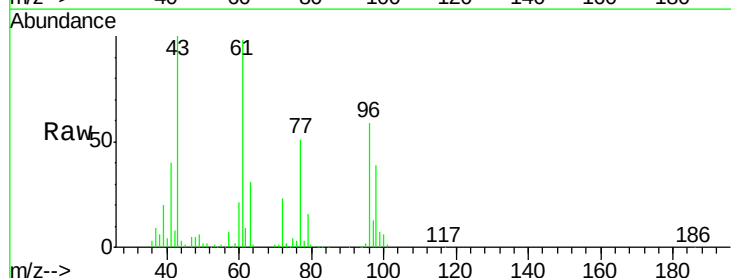
Acq: 08 Jul 2019 16:19

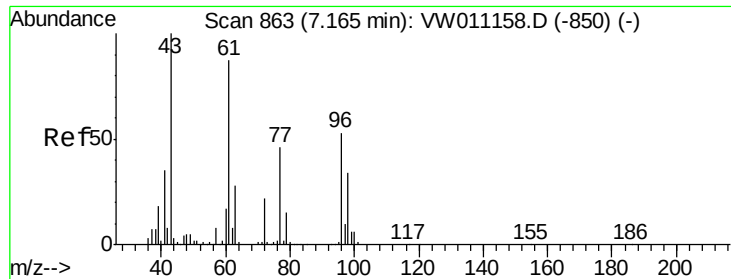
Tgt Ion: 77 Resp: 55431

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5





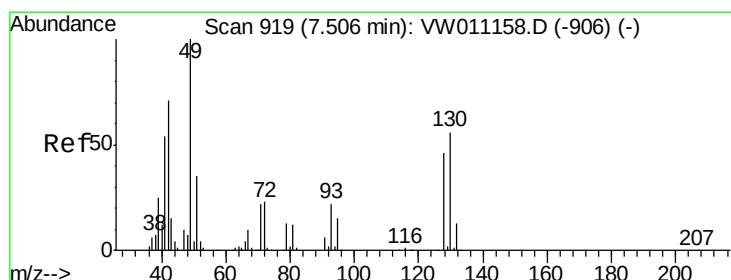
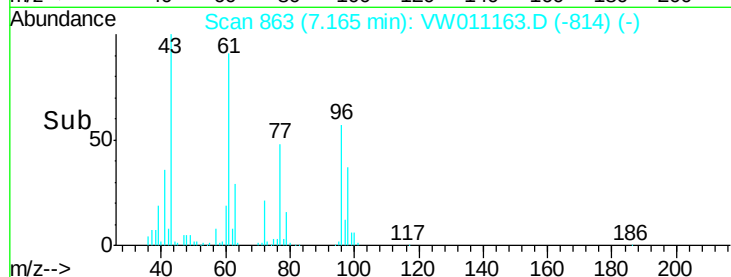
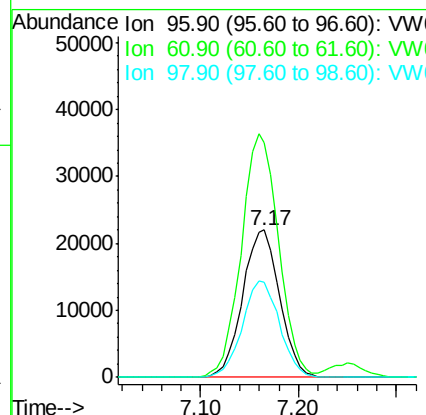
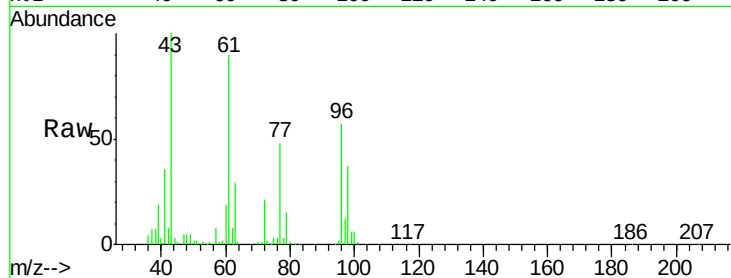
#27
 cis-1,2-Dichloroethene
 Concen: 19.445 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	325.6
98	65.5	0.0	128.2

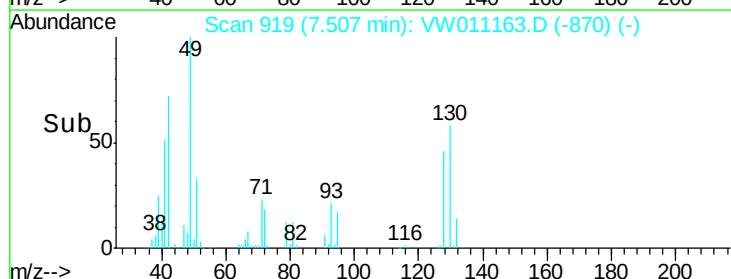
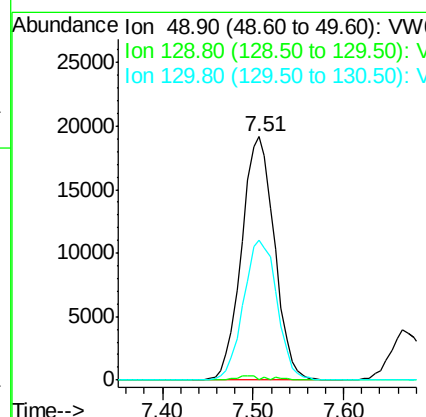
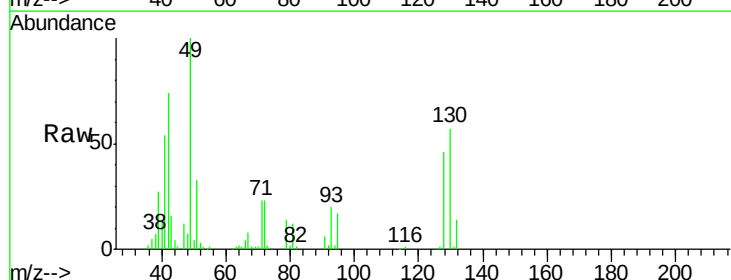
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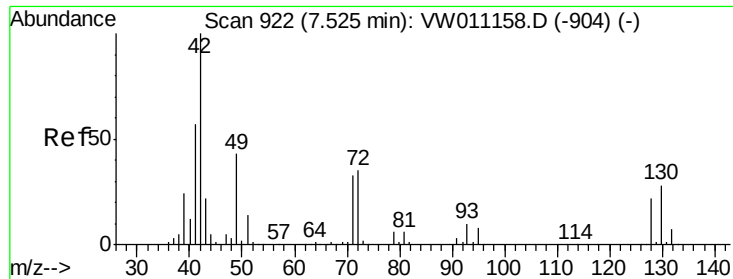
MMDadoda
 7/9/2019 4:13:11 PM



#28
 Bromochloromethane
 Concen: 19.397 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.4
130	58.3	45.8	68.8





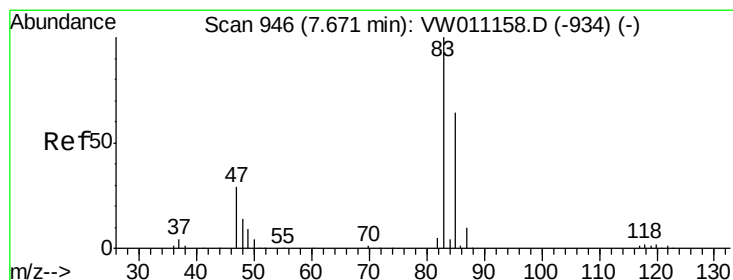
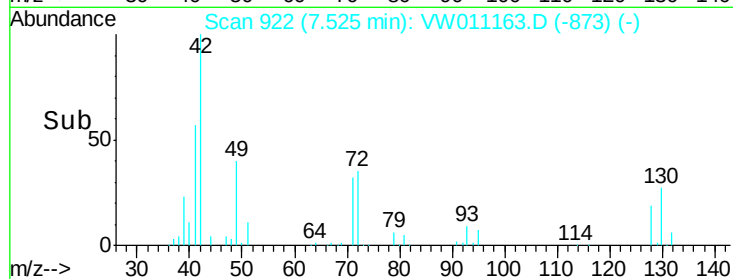
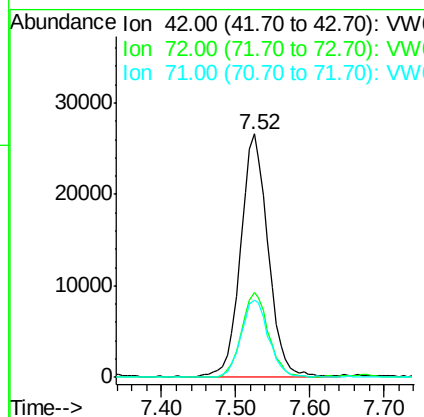
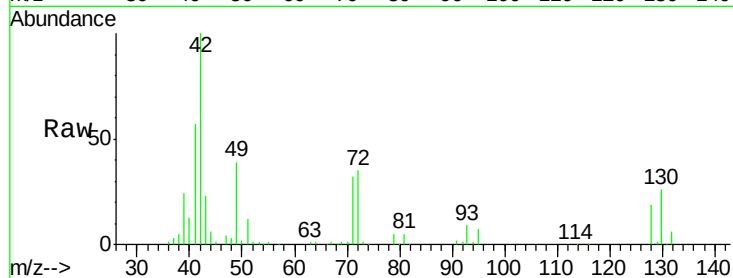
#29
Tetrahydrofuran
Concen: 92.075 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.4	41.2
71	32.1	25.9	38.9

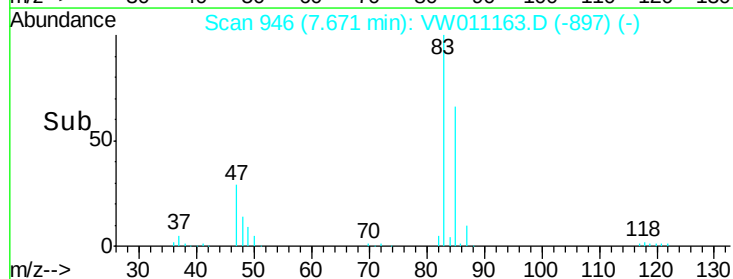
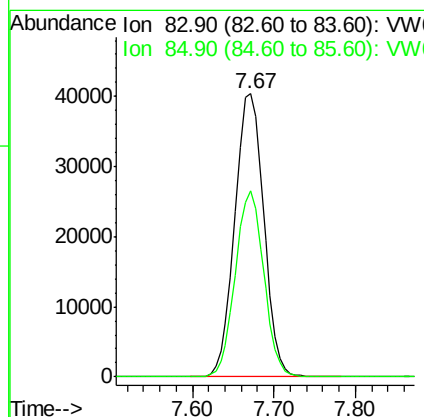
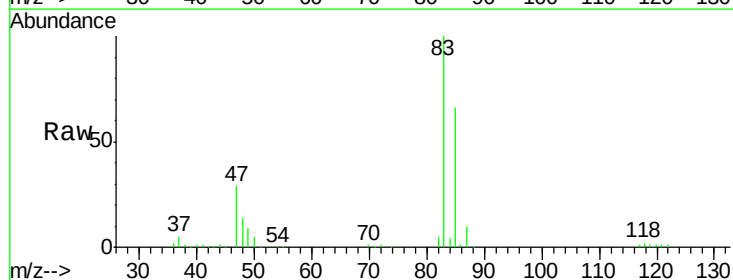
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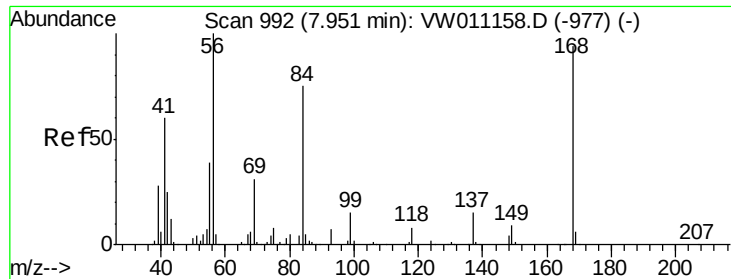
MMDadoda
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#30
Chloroform
Concen: 19.657 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





#31

Cyclohexane

Concen: 19.253 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

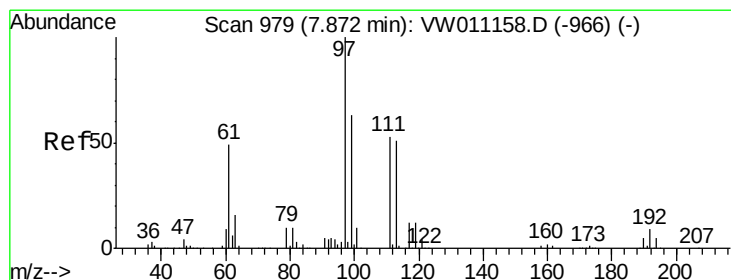
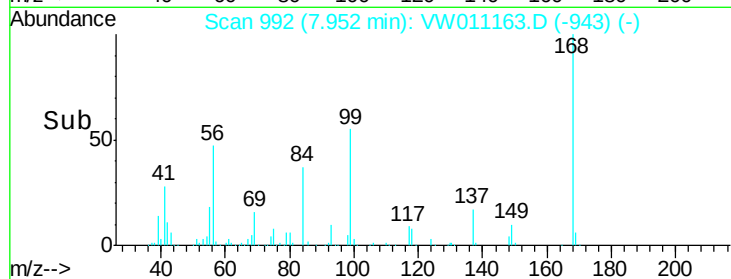
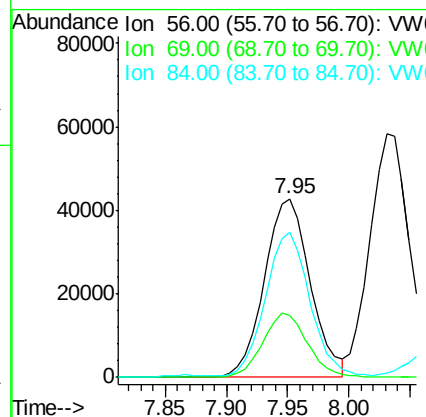
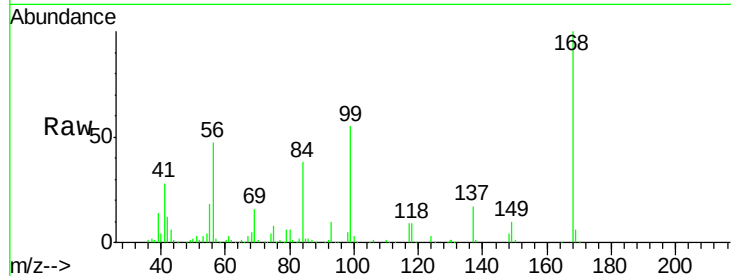
ClientSampleId :

VW0708SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.6	36.8
84	80.1	60.1	90.1

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7/9/2019 4:13:11 PM



#32

1,1,1-Trichloroethane

Concen: 19.531 ug/l

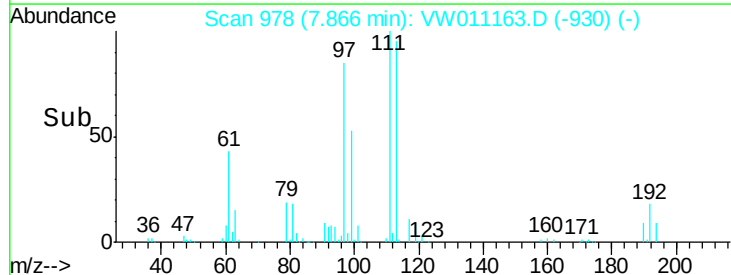
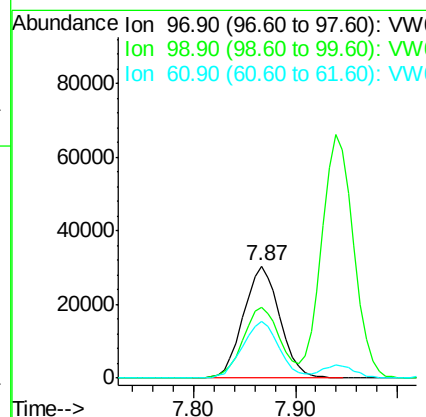
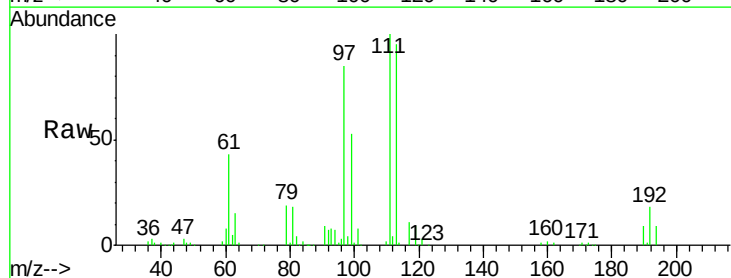
RT: 7.87 min Scan# 978

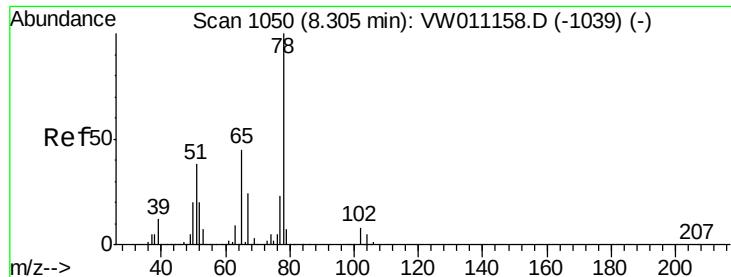
Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	51.4	40.4	60.6





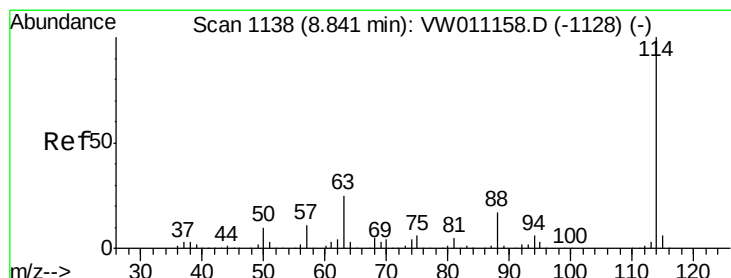
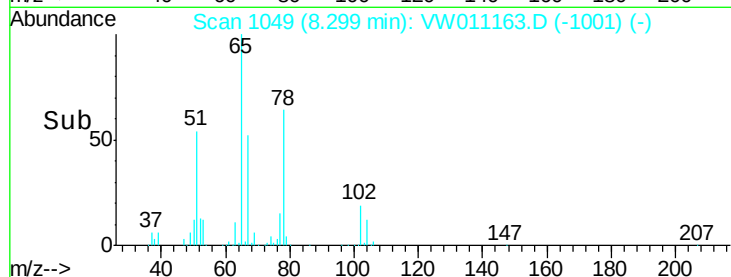
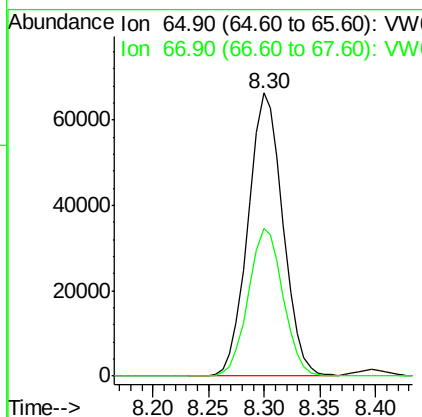
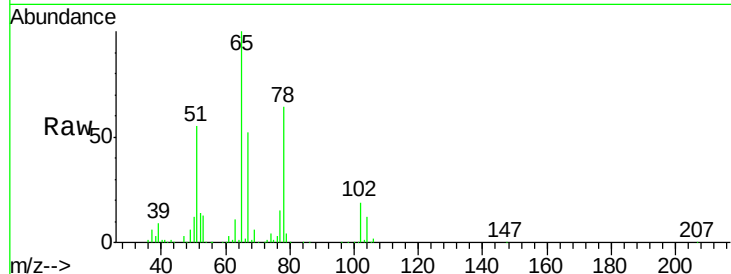
#33
 1,2-Dichloroethane-d4
 Concen: 48.223 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion: 65 Resp: 144639
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4

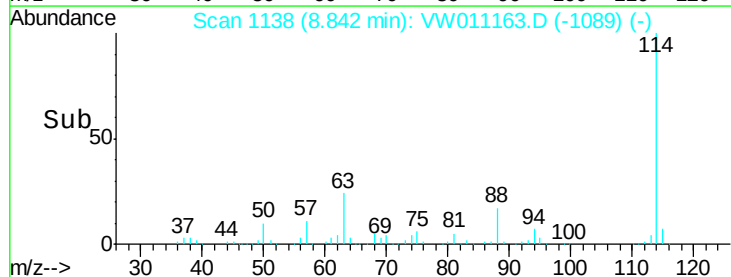
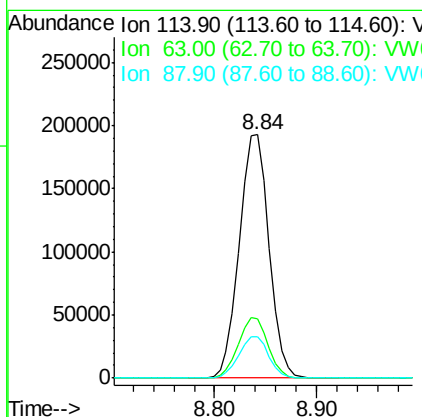
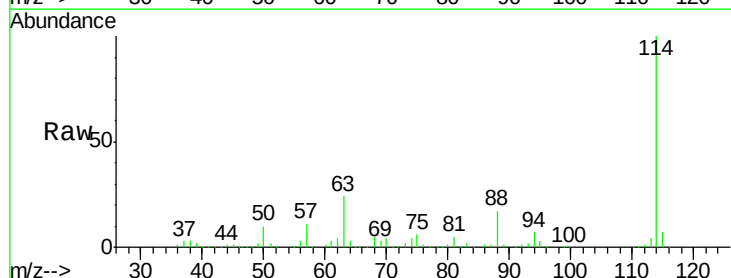
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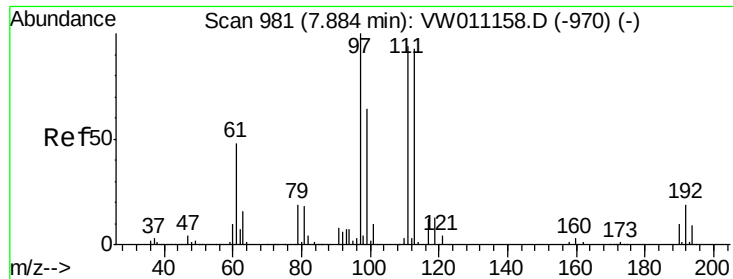
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 114 Resp: 390184
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.071 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

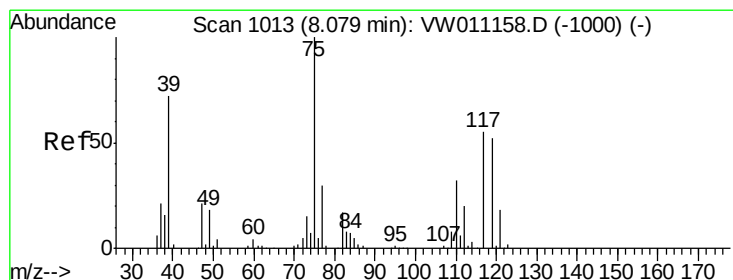
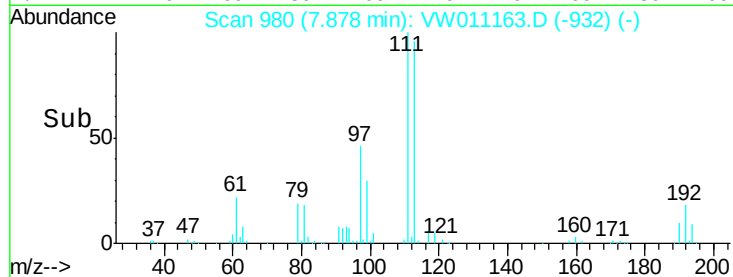
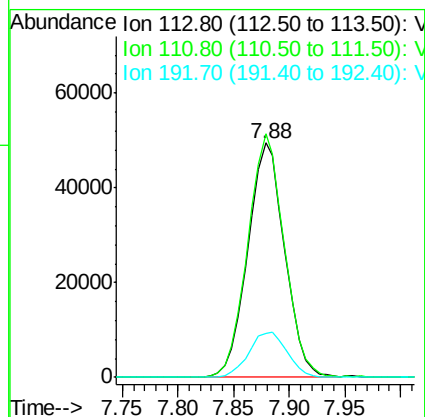
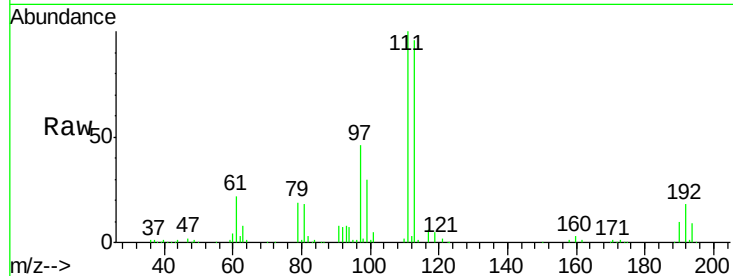
ClientSampleId :

VW0708SBS01

Tot Ion:	113	Resp:	114124
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	20.1	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 19.970 ug/l

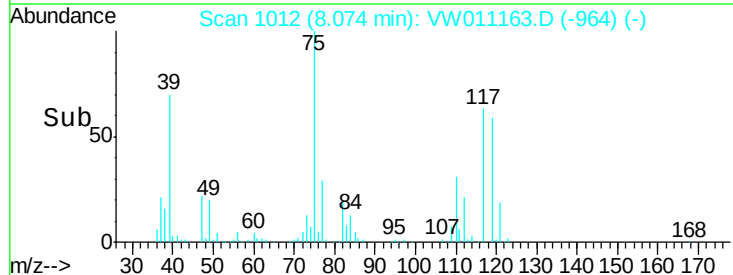
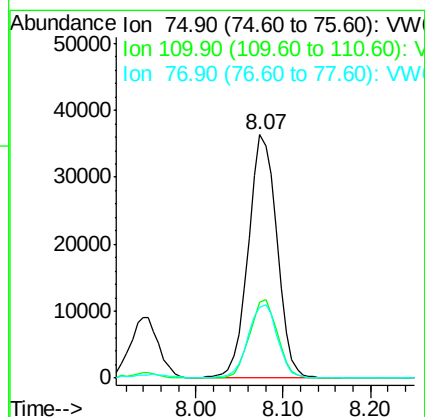
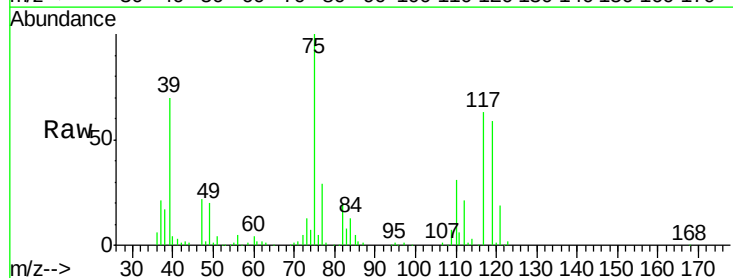
RT: 8.07 min Scan# 1012

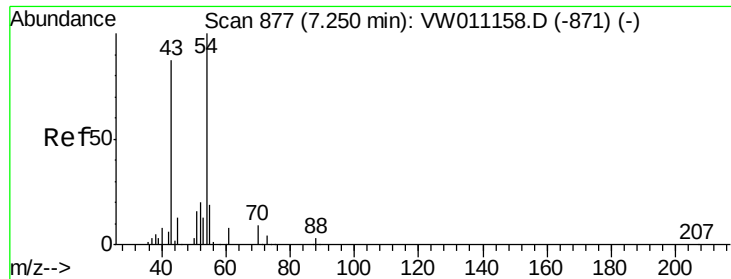
Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion:	75	Resp:	82976
Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.9	47.6
77	31.1	24.6	36.8





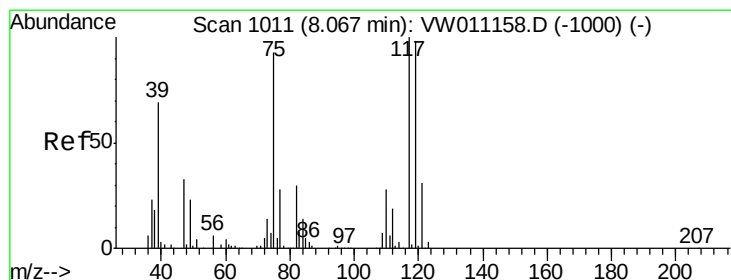
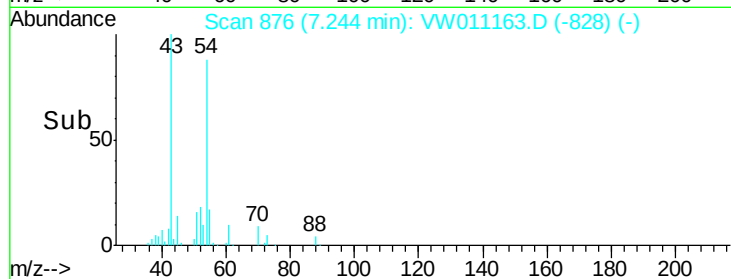
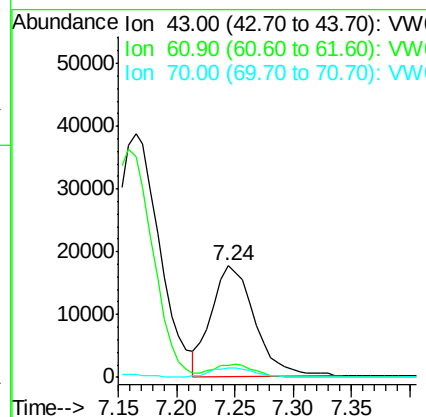
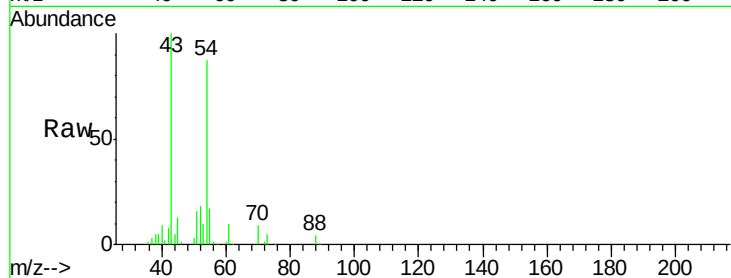
#37
Ethyl Acetate
Concen: 18.189 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.5	14.3
70	9.1	7.1	10.7

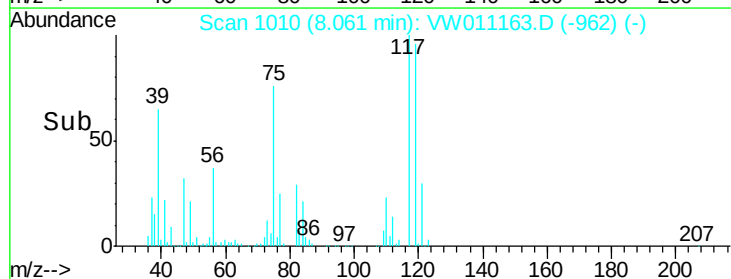
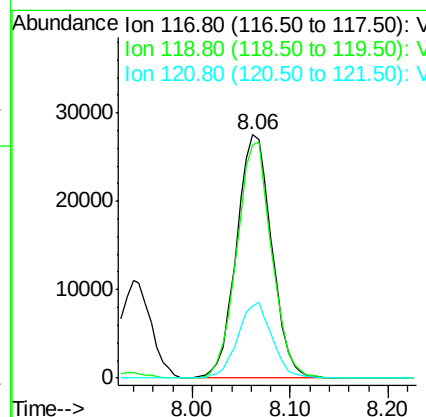
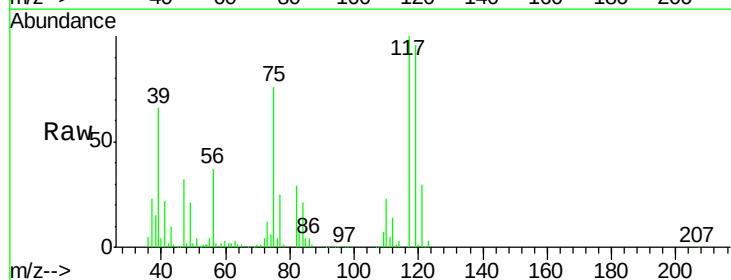
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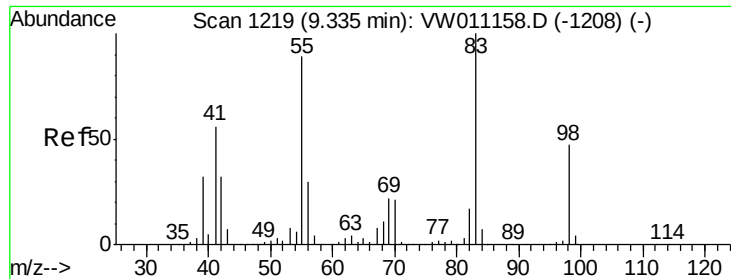
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.535 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.1	117.1
121	29.8	25.1	37.7





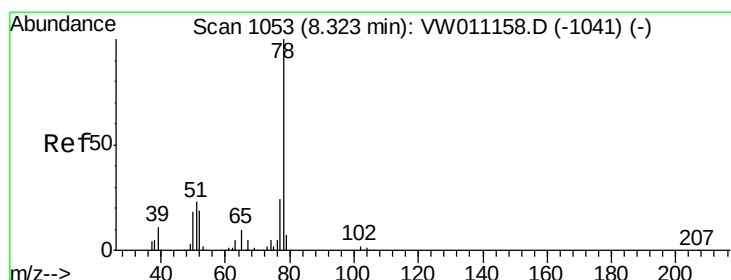
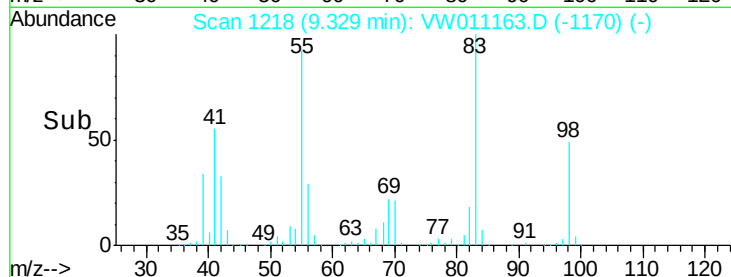
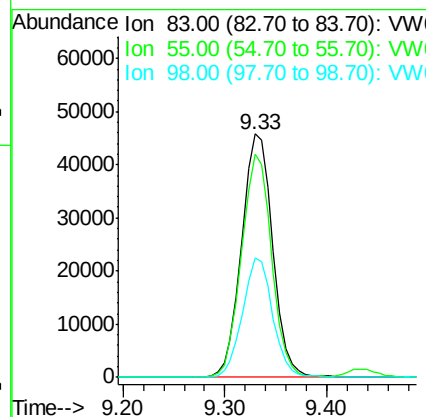
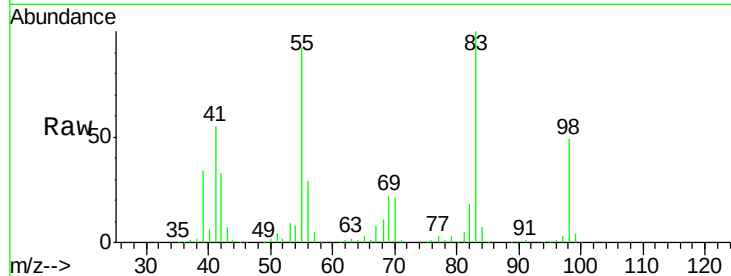
#39
Methylvlcyclohexane
Concen: 19.212 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.5	71.2	106.8
98	49.0	37.5	56.3

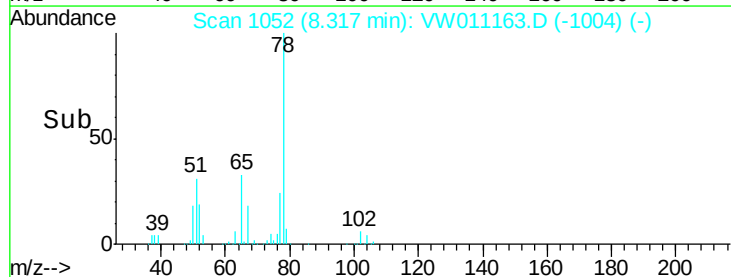
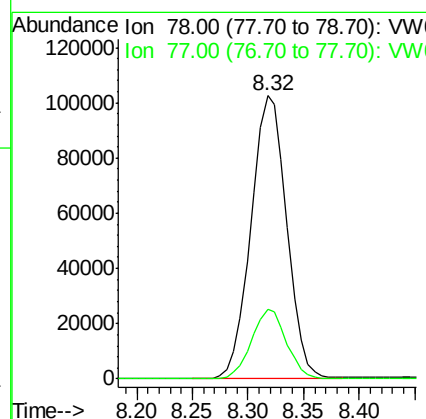
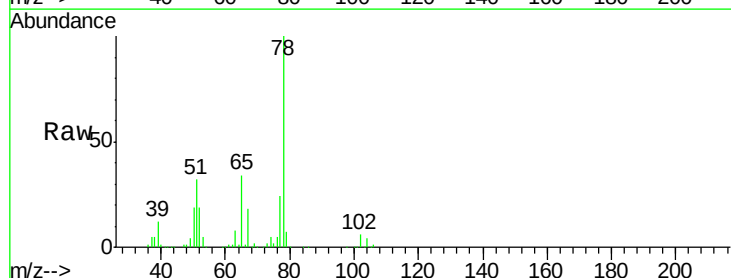
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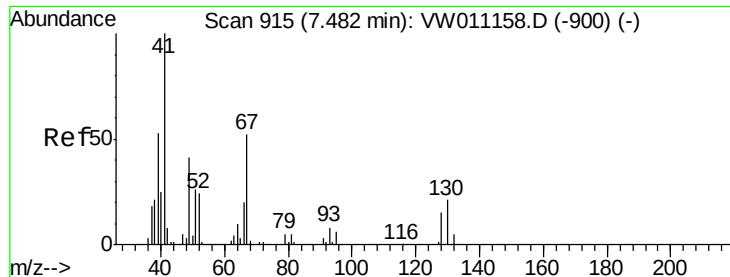
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#40
Benzene
Concen: 19.986 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





#41

Methacrylonitrile

Concen: 18.337 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

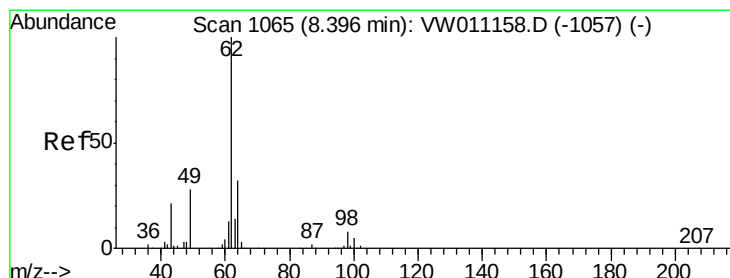
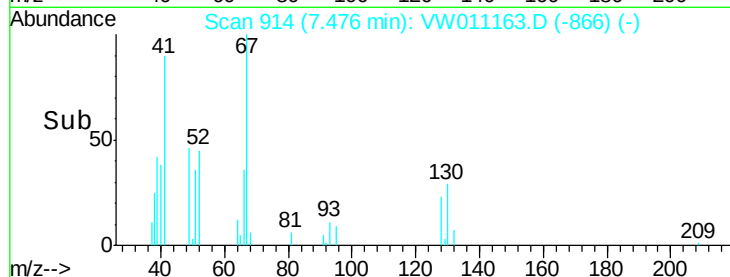
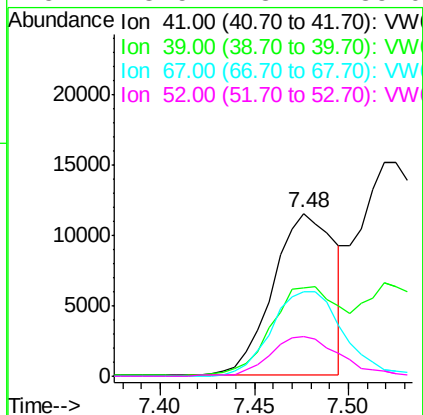
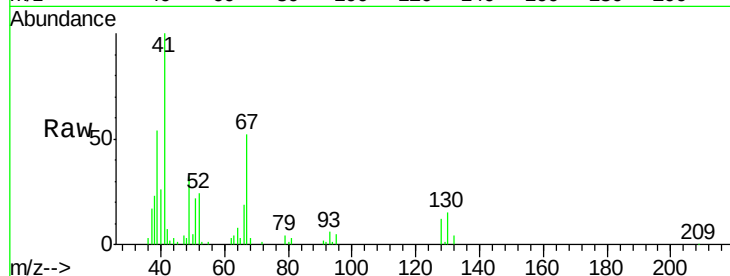
ClientSampleId :

VW0708SBS01

Tot Ion	41	Resp	26182
Ion	Ratio	Lower	Upper
41	100		
39	63.5	48.0	72.0
67	60.9	49.7	74.5
52	28.5	23.4	35.0

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#42

1,2-Dichloroethane

Concen: 19.529 ug/l

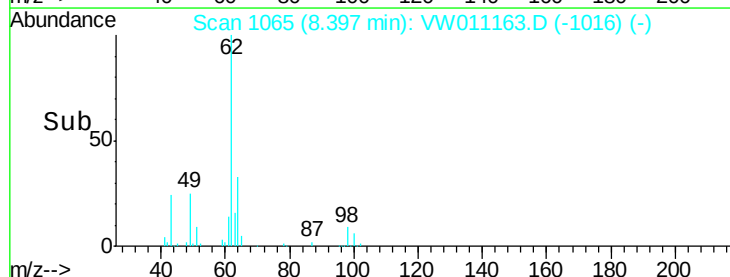
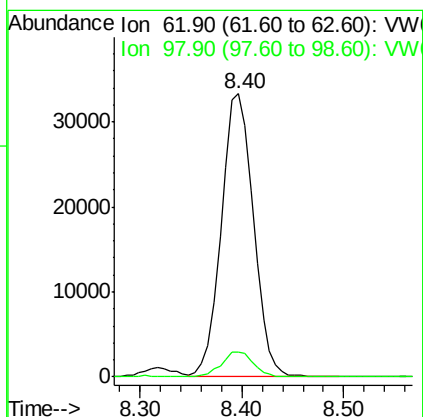
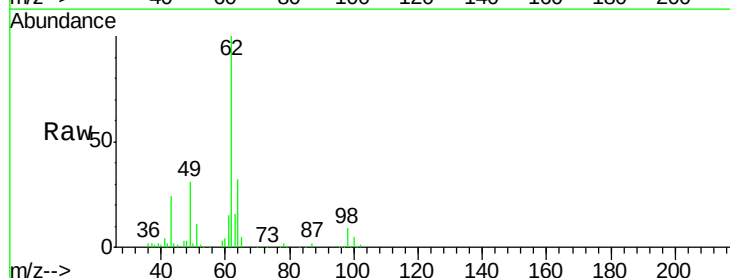
RT: 8.40 min Scan# 1065

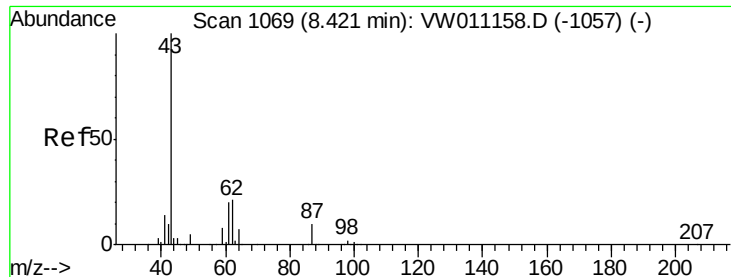
Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion	62	Resp	72746
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.596 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

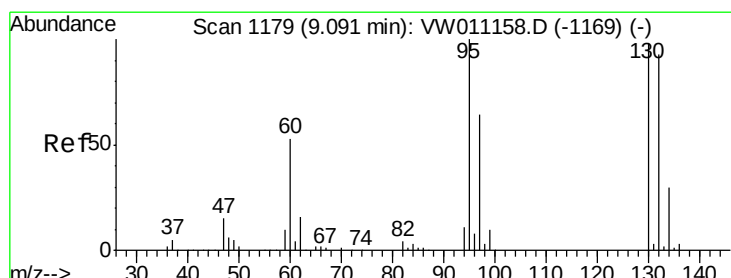
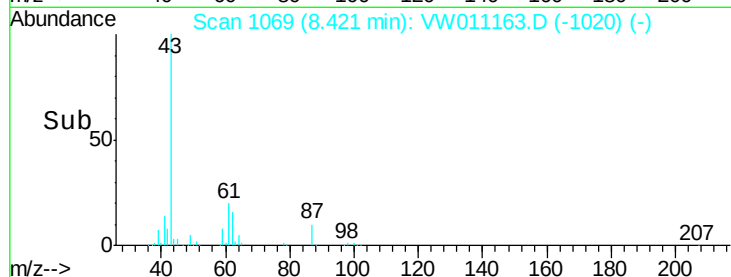
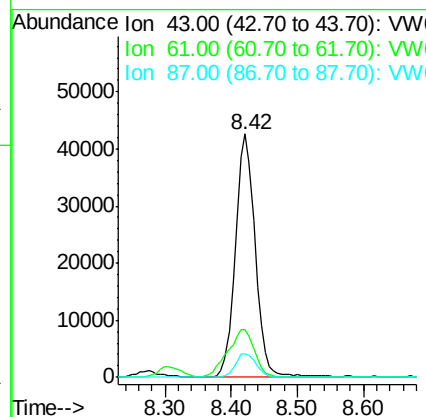
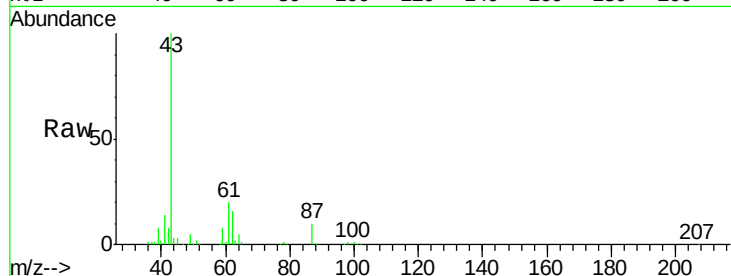
ClientSampleId :

VW0708SBS01

Tot Ion:	43	Resp:	87647
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.7	31.1
87	10.2	8.1	12.1

Manual Integrations
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#44

Trichloroethene

Concen: 19.551 ug/l

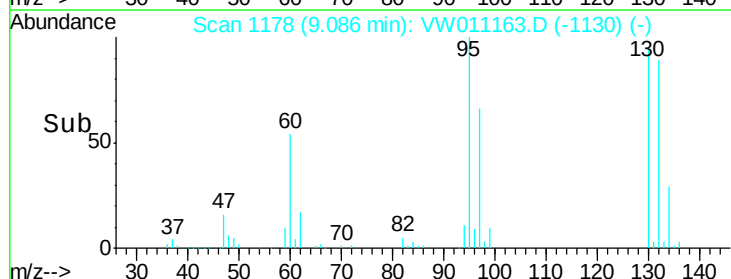
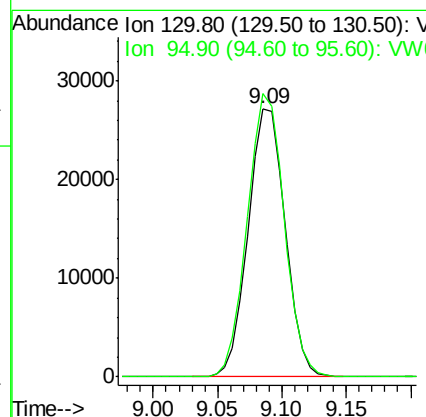
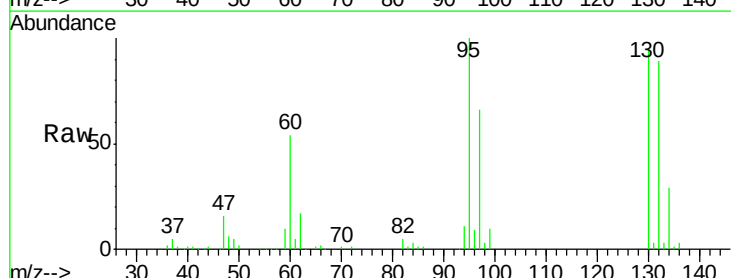
RT: 9.09 min Scan# 1178

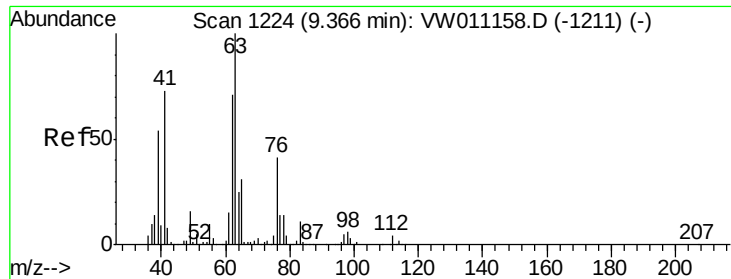
Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Tgt Ion:	130	Resp:	54026
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	203.6





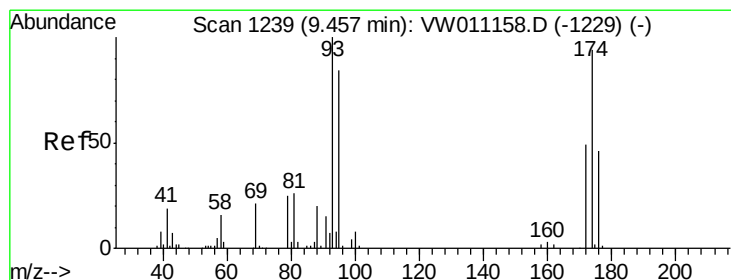
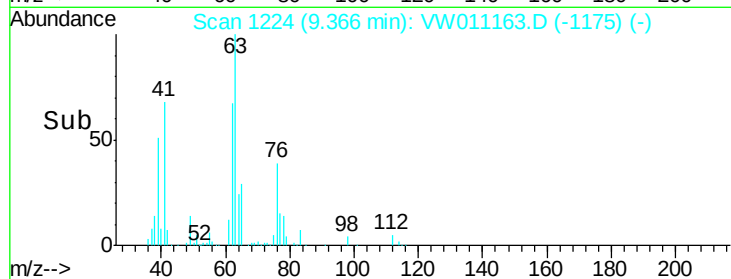
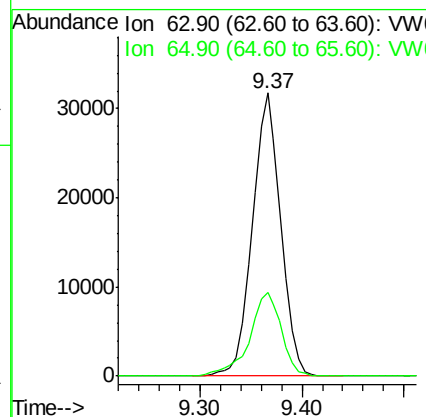
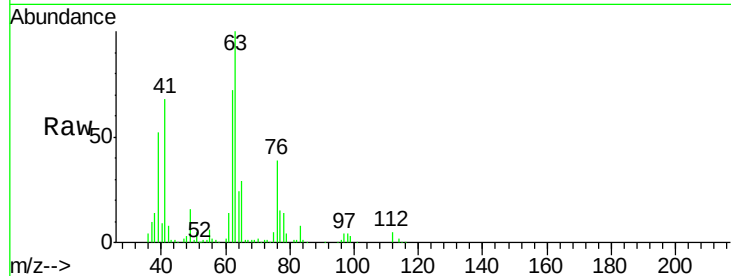
#45
 1,2-Dichloropropane
 Concen: 19.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.4	36.6

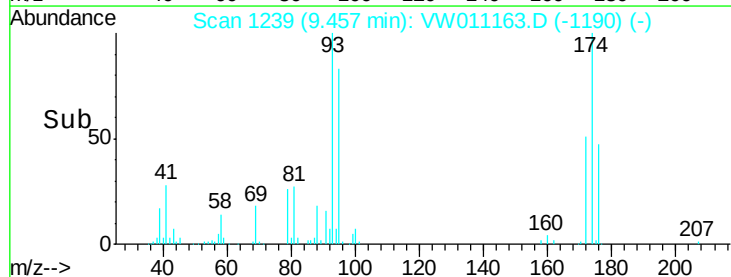
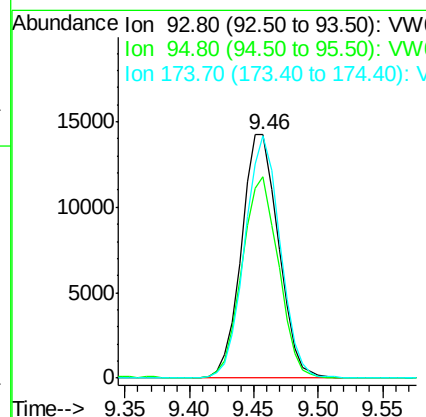
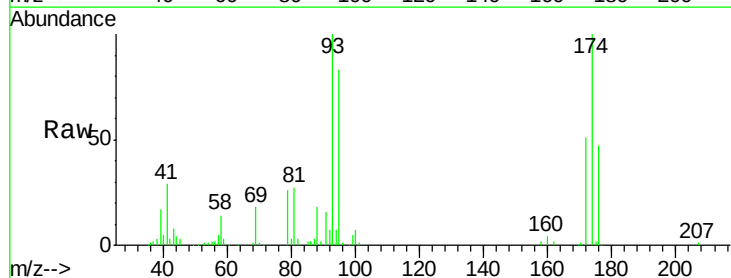
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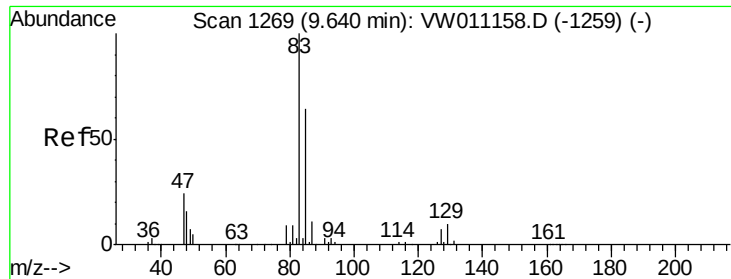
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#46
 Dibromomethane
 Concen: 19.395 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.2	100.8
174	95.1	76.3	114.5





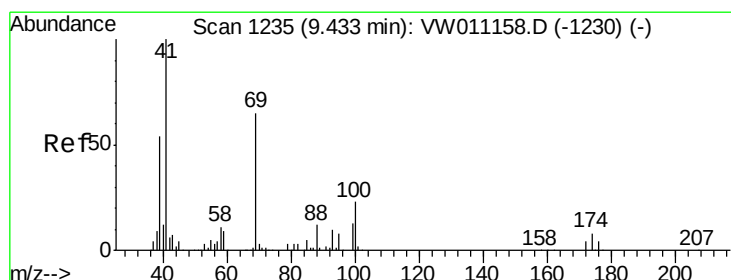
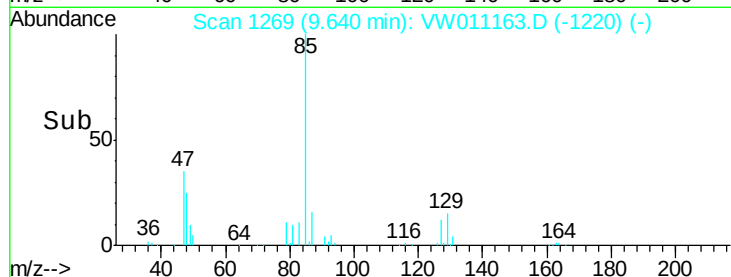
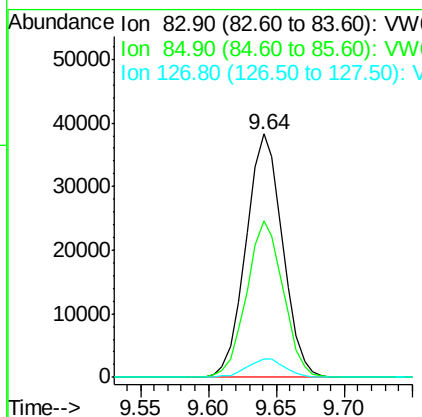
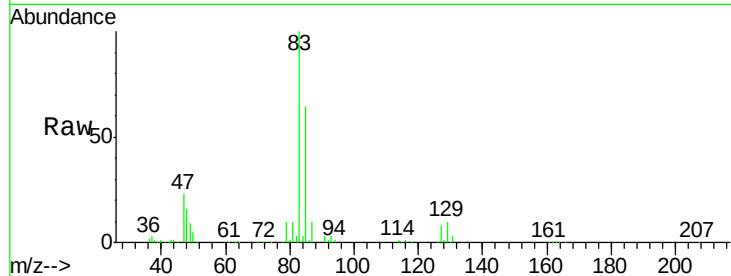
#47
Bromodichloromethane
Concen: 19.291 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4
127	7.8	6.0	9.0

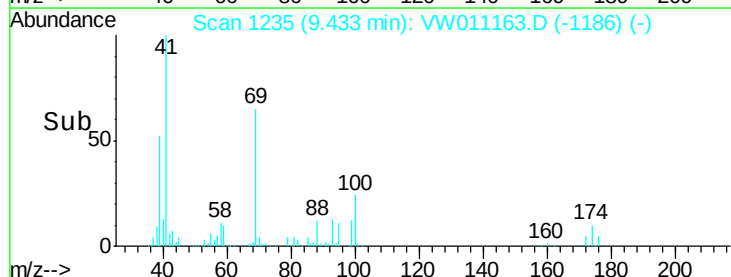
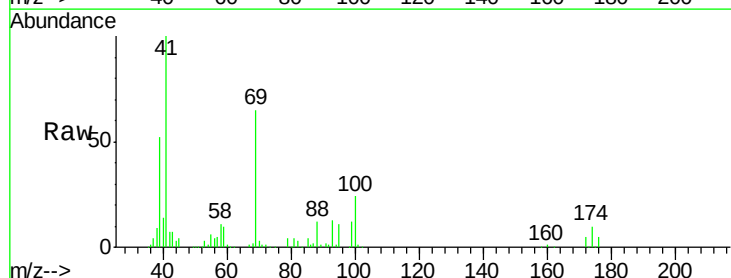
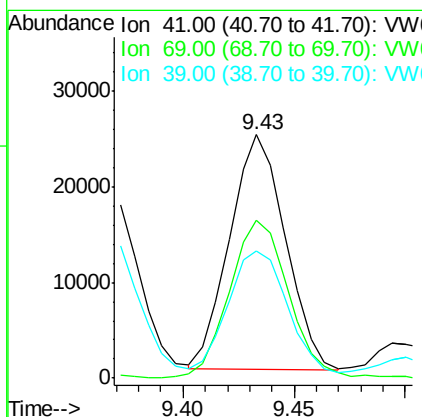
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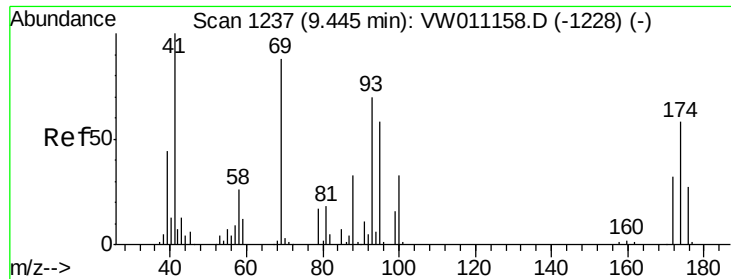
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#48
Methyl methacrylate
Concen: 18.851 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.0	56.0	84.0
39	54.9	43.5	65.3





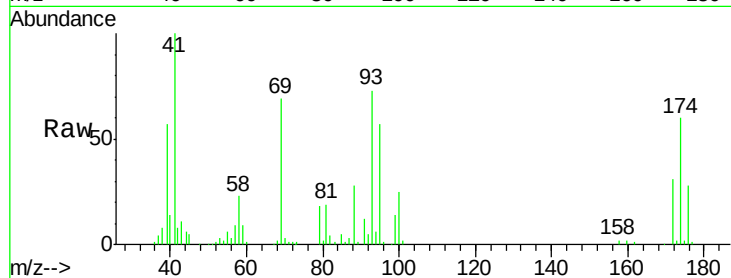
#49
1,4-Dioxane
Concen: 371.749 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.4	50.0
58	84.0	64.5	96.7

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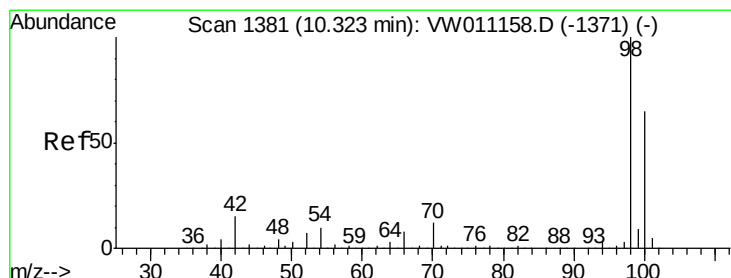
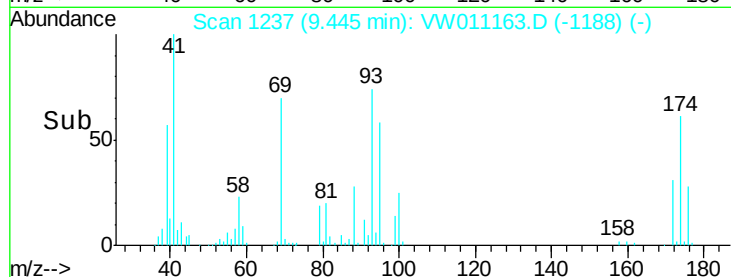
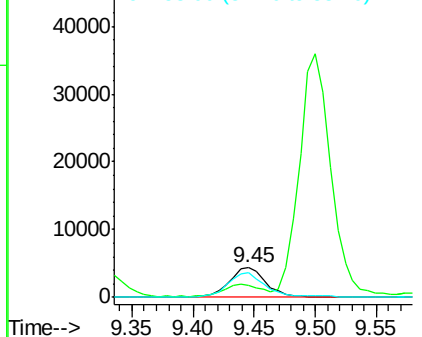


Abundance

Ion 88.00 (87.70 to 88.70): VW

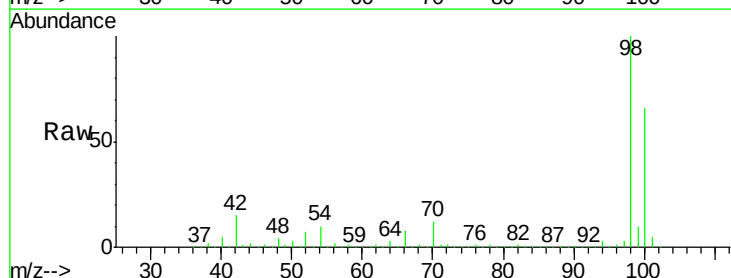
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.237 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

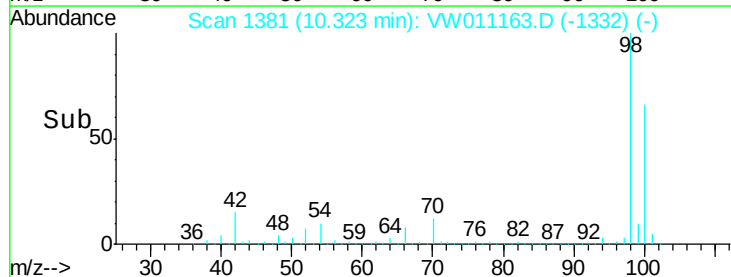
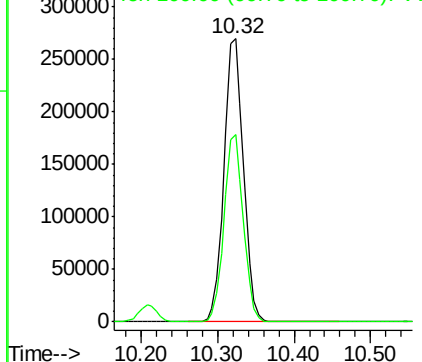
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6

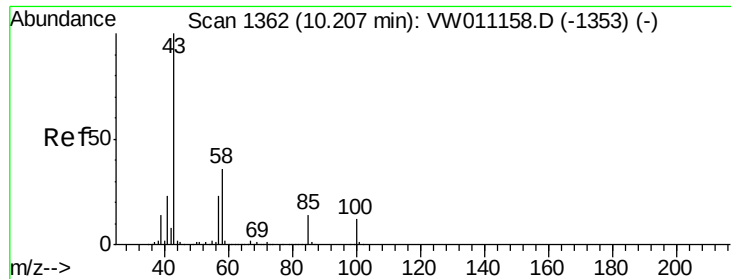


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





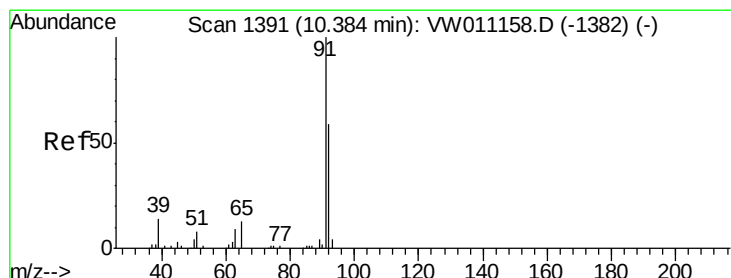
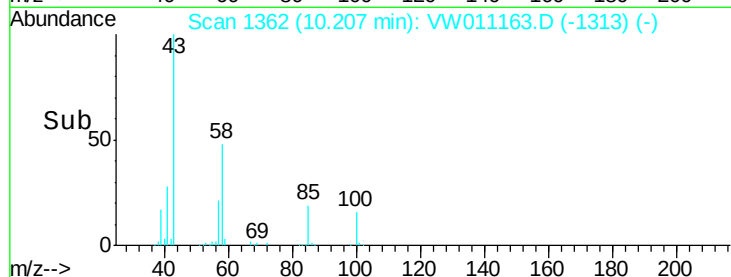
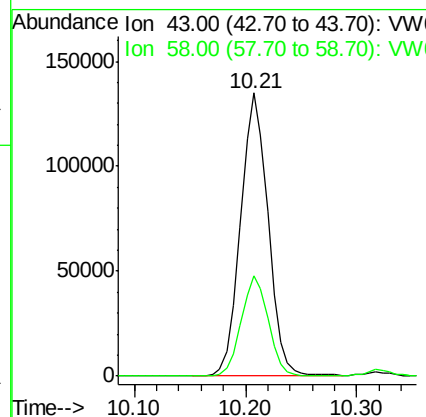
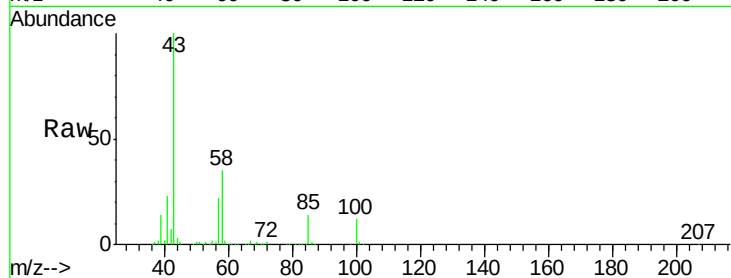
#51
4-Methyl-2-Pentanone
Concen: 93.550 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2

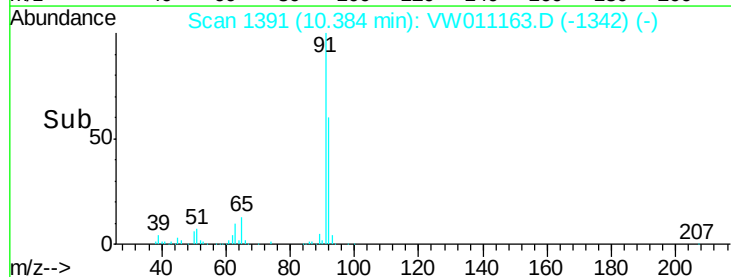
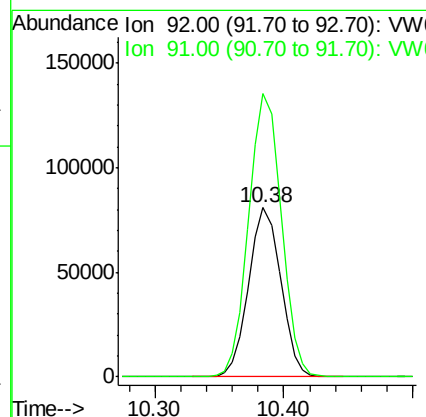
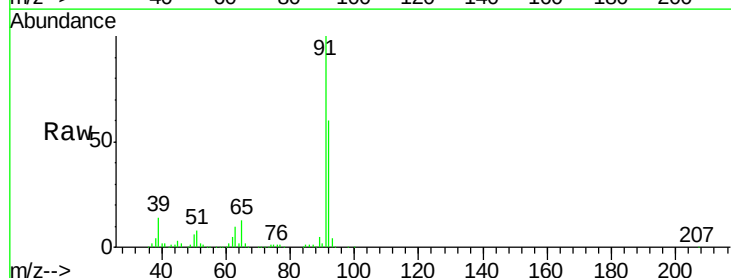
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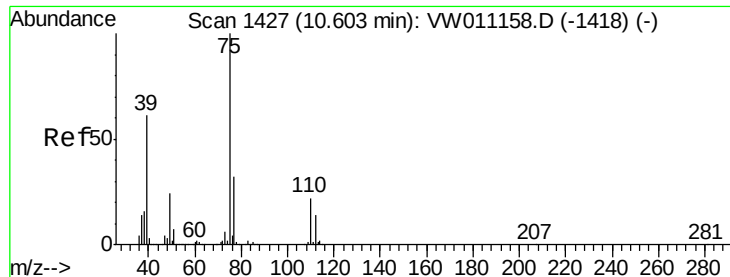
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#52
Toluene
Concen: 20.095 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.6	205.0





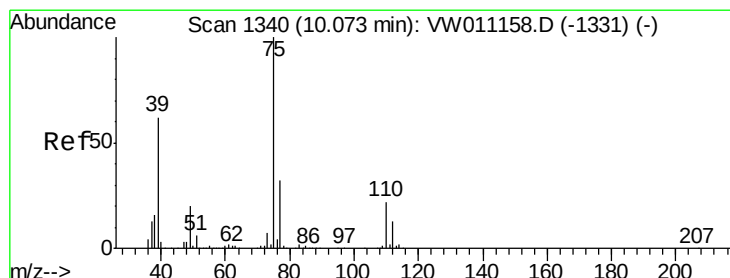
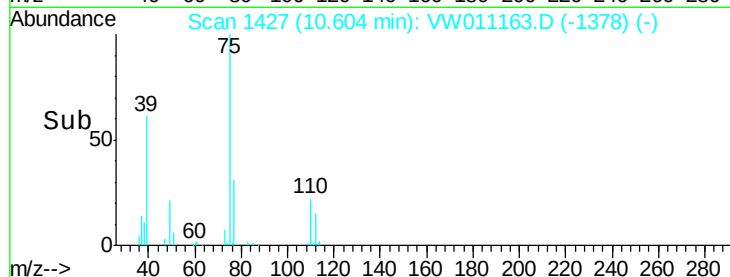
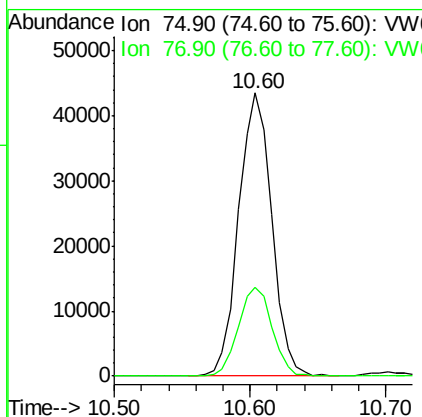
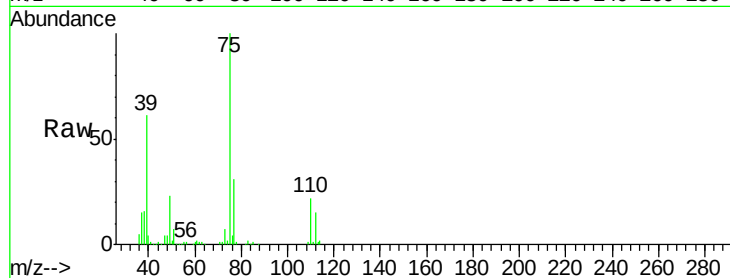
#53
t-1,3-Dichloropropene
Concen: 18.599 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0

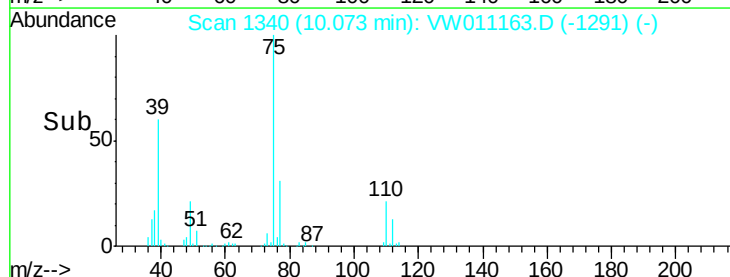
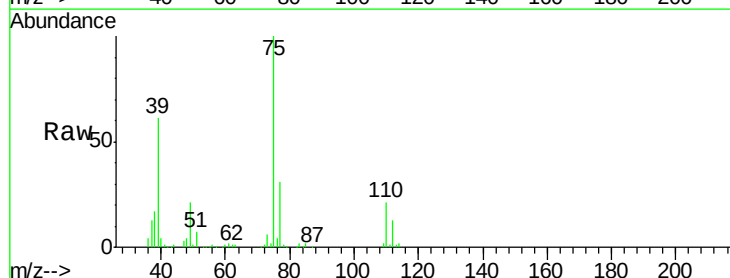
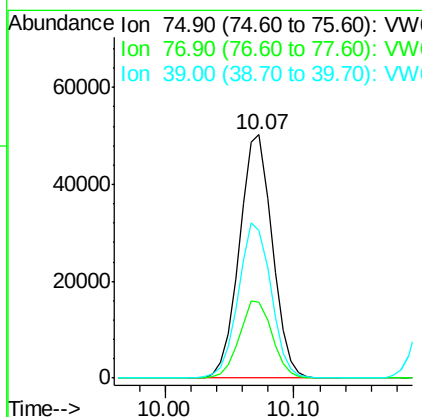
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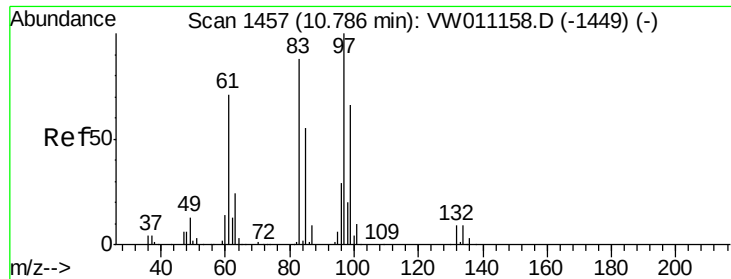
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#54
cis-1,3-Dichloropropene
Concen: 18.972 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	60.6	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 19.708 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 97 Resp: 40840

Ion Ratio Lower Upper

97 100

83 85.4 70.2 105.4

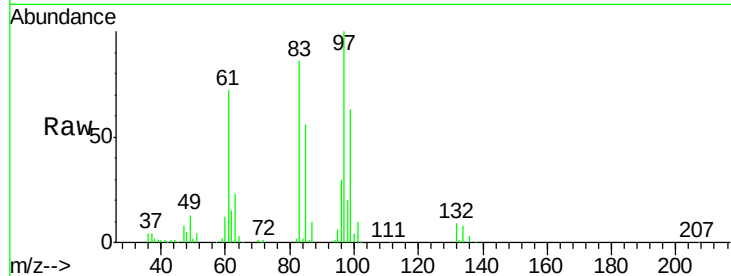
85 56.0 44.2 66.2

99 62.8 52.6 79.0

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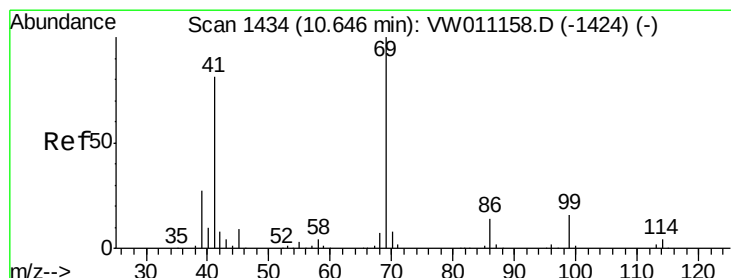
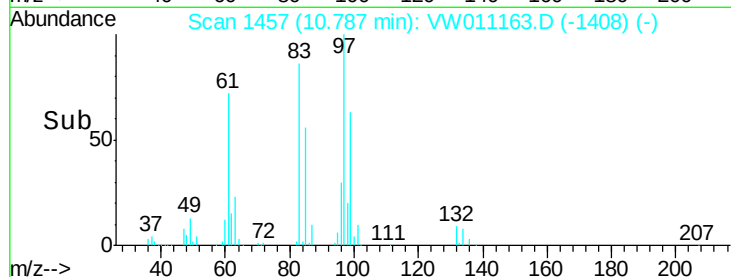
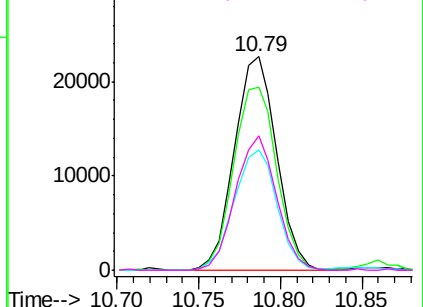


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.595 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

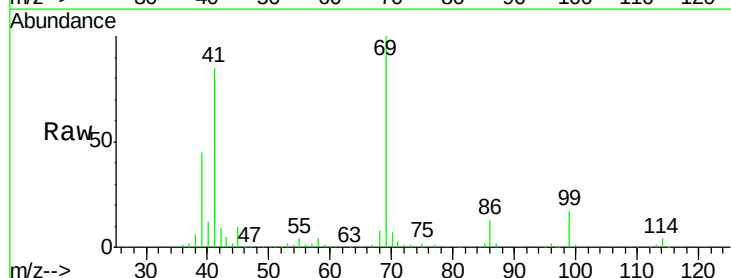
Tgt Ion: 69 Resp: 58668

Ion Ratio Lower Upper

69 100

41 86.3 66.5 99.7

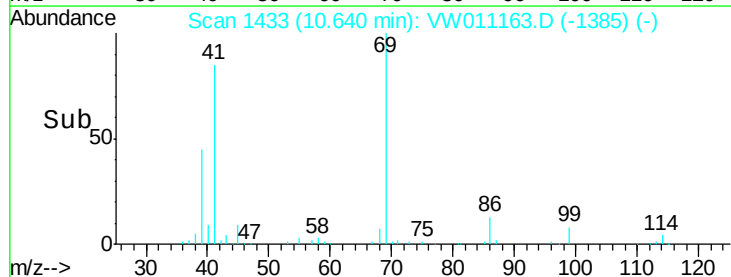
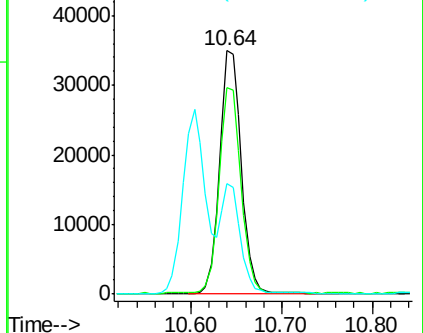
39 39.3 32.5 48.7

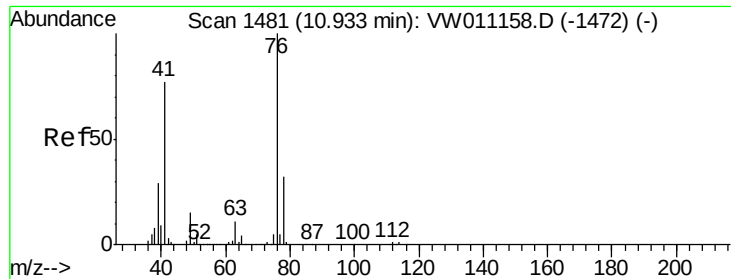


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





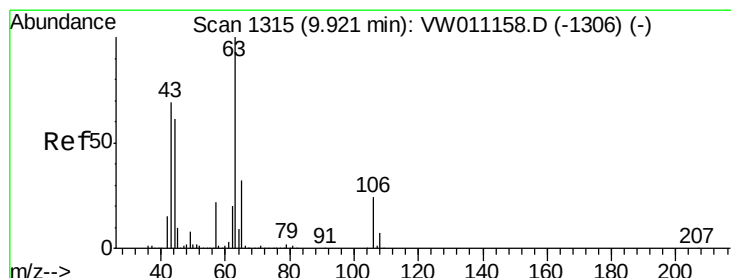
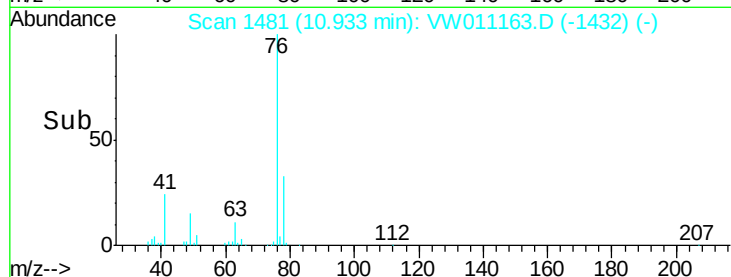
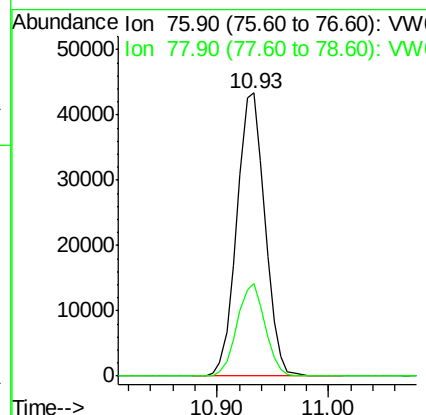
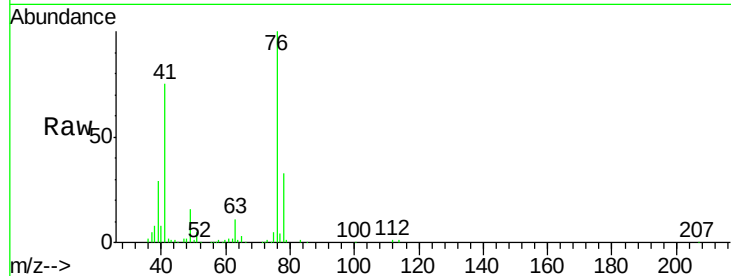
#57
 1,3-Dichloropropane
 Concen: 19.367 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampled :
 VW0708SBS01

Tot Ion: 76 Resp: 75891
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

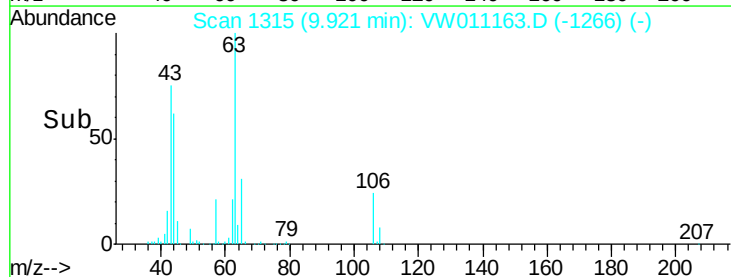
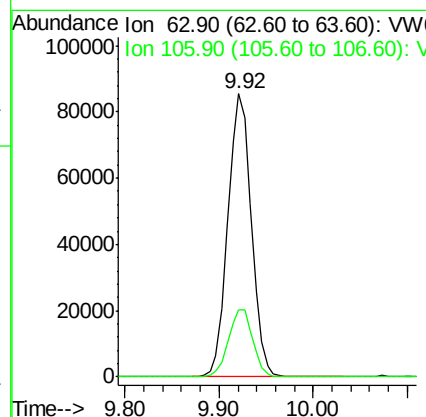
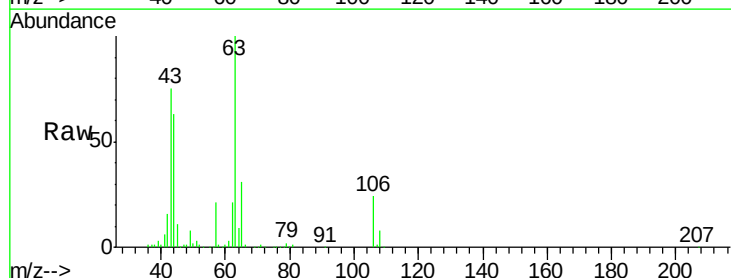
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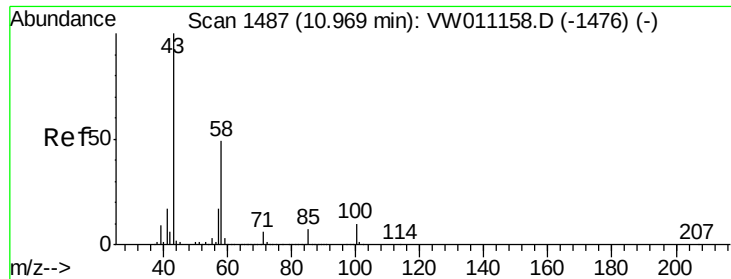
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 7/9/2019 4:13:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.916 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion: 63 Resp: 147604
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.4 29.0





#59

2-Hexanone

Concen: 92.095 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 157250

Ion Ratio Lower Upper

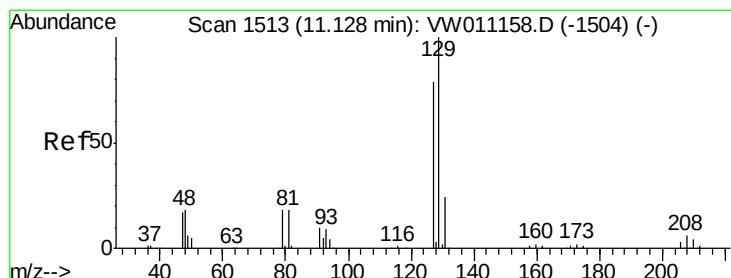
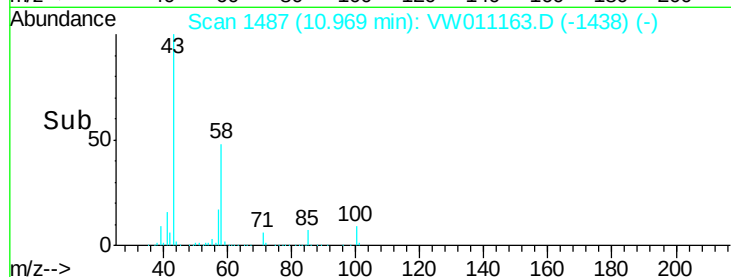
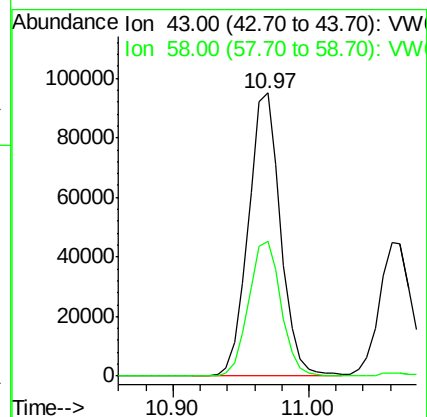
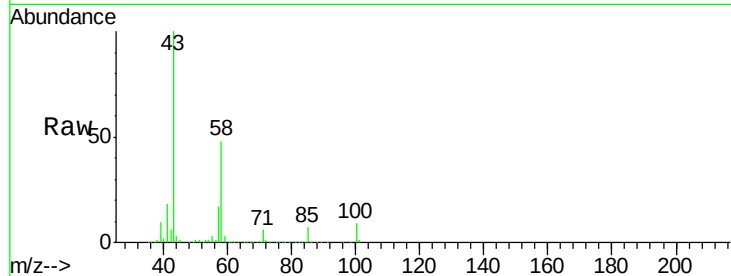
43 100

58 48.3 24.4 73.4

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#60

Dibromochloromethane

Concen: 18.831 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011163.D

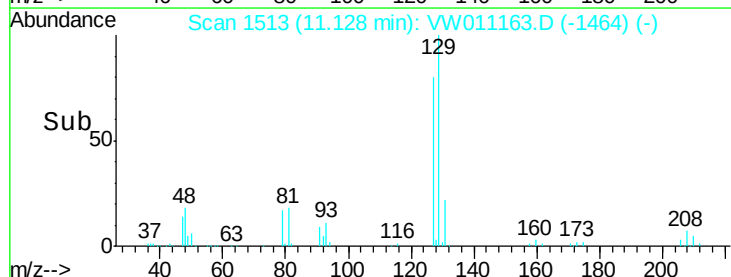
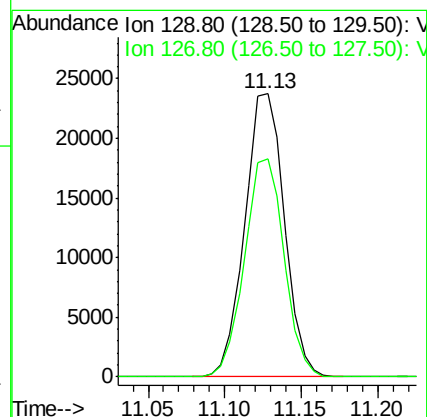
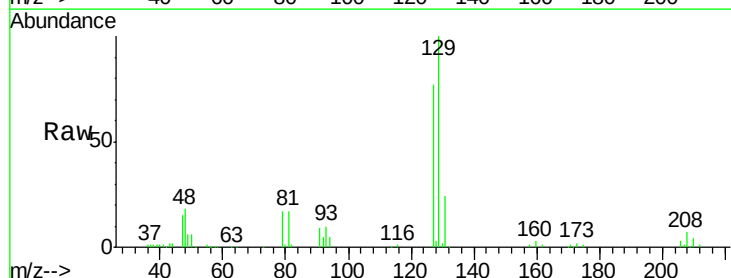
Acq: 08 Jul 2019 16:19

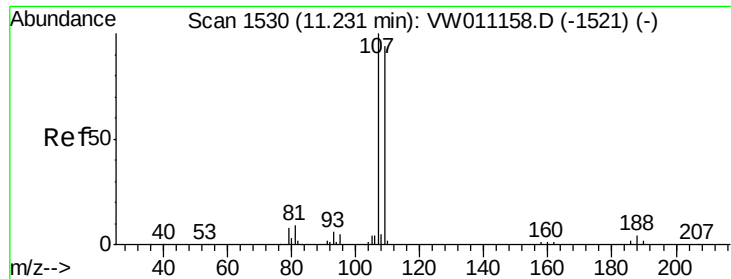
Tgt Ion: 129 Resp: 42792

Ion Ratio Lower Upper

129 100

127 77.1 39.1 117.3





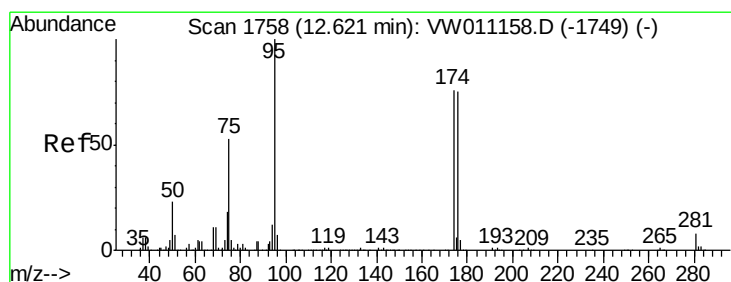
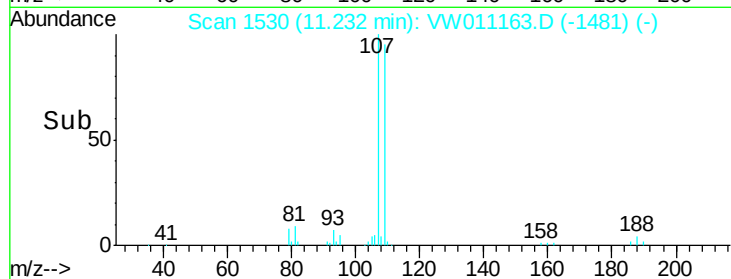
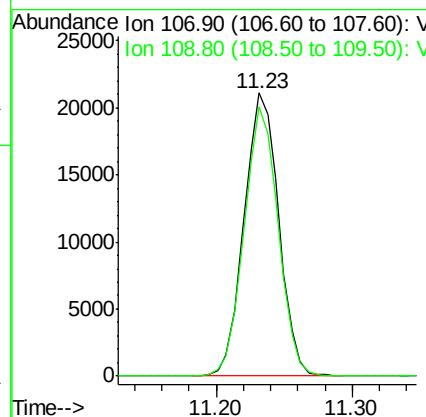
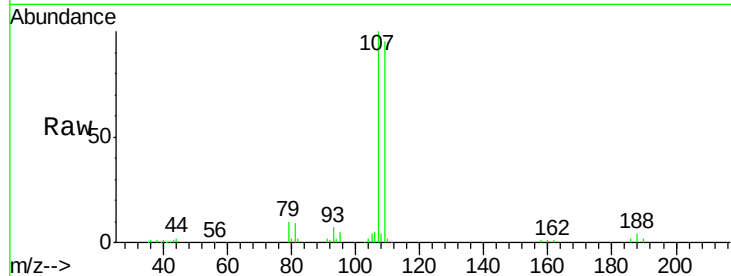
#61
 1,2-Dibromoethane
 Concen: 19.091 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8

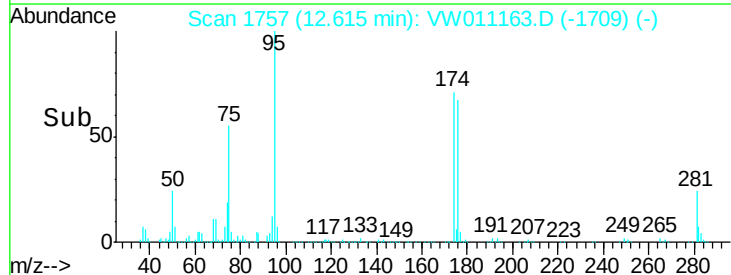
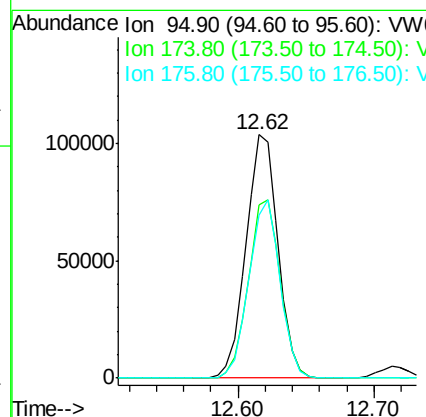
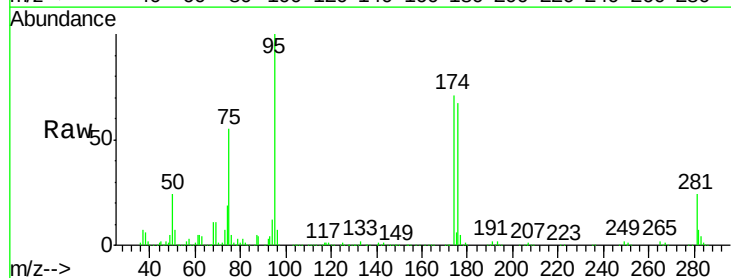
Manual Integrations
 APPROVED

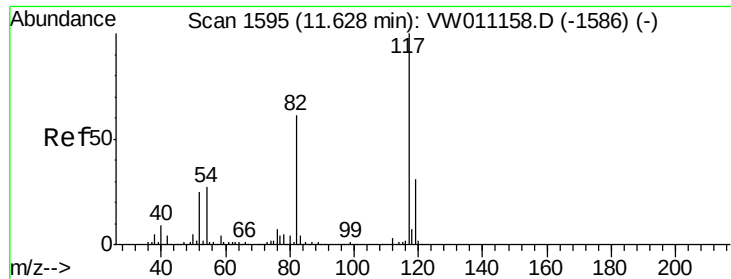
MMDadoda
 7/9/2019 4:13:11 PM



#62
 4-Bromofluorobenzene
 Concen: 49.420 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	147.6
176	71.7	0.0	144.6





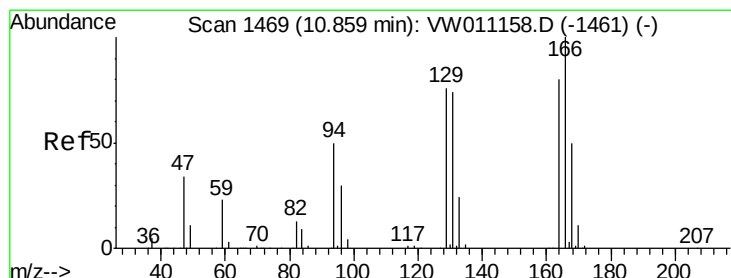
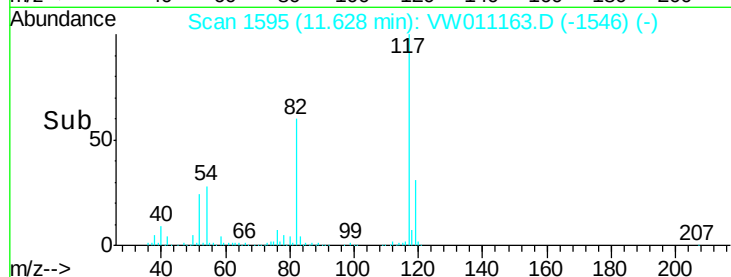
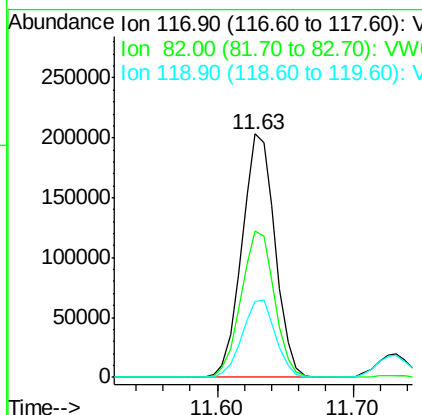
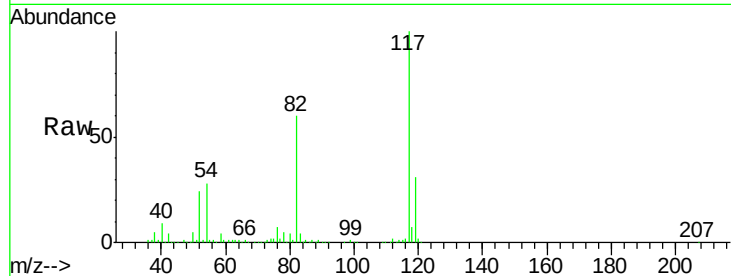
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	345123		
82	60.1	48.9	73.3	
119	31.4	25.0	37.6	

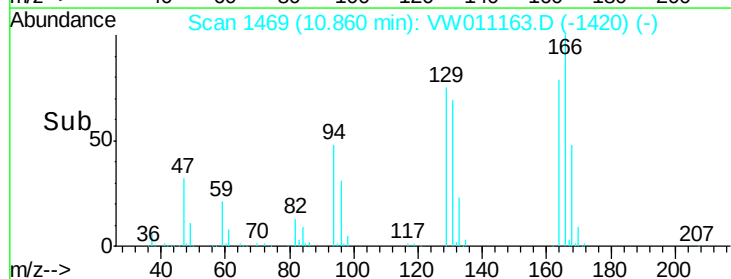
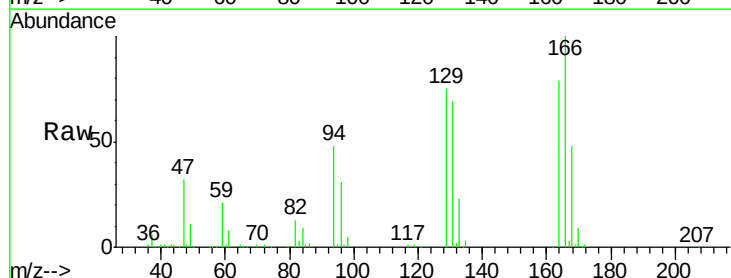
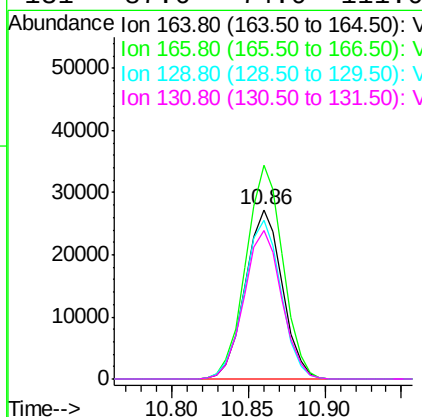
Manual Integrations
APPROVED

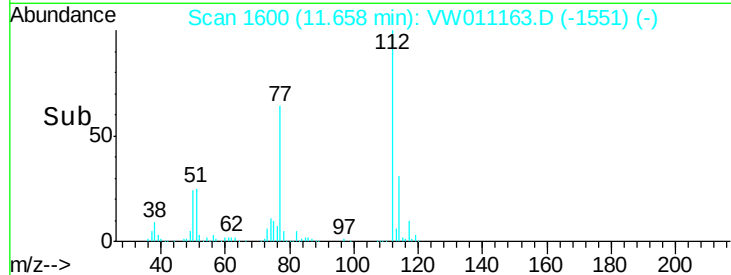
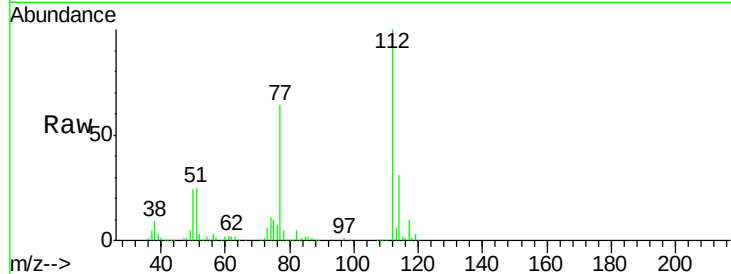
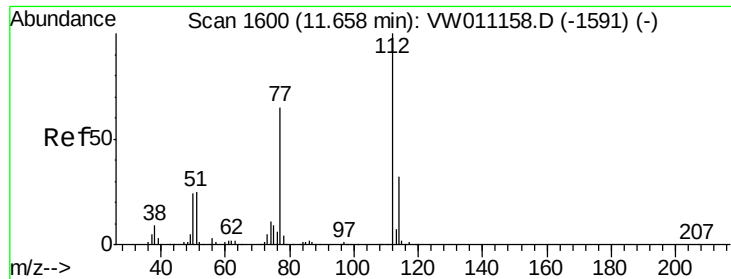
MMDadoda
7/9/2019 4:13:11 PM



#64
Tetrachloroethene
Concen: 19.689 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45852		
166	126.4	99.7	149.5	
129	94.2	76.2	114.2	
131	87.6	74.0	111.0	





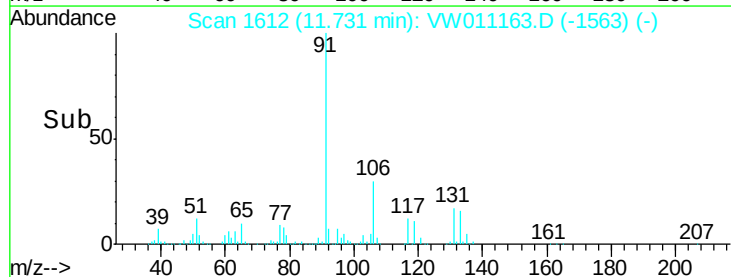
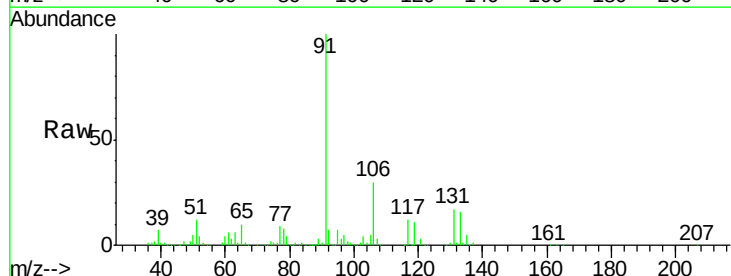
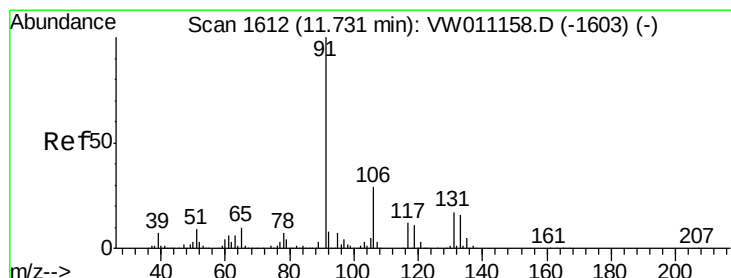
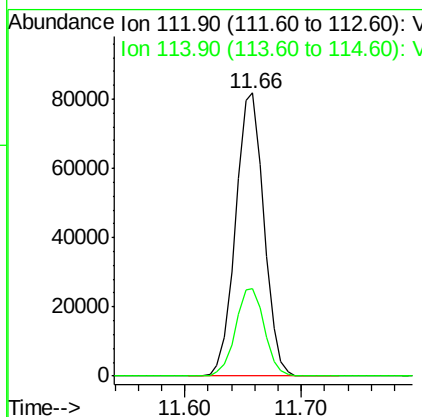
#65
Chlorobenzene
Concen: 19.788 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:112 Resp: 138850
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3

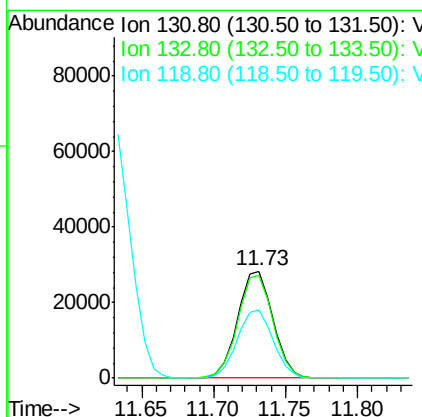
Manual Integrations
APPROVED

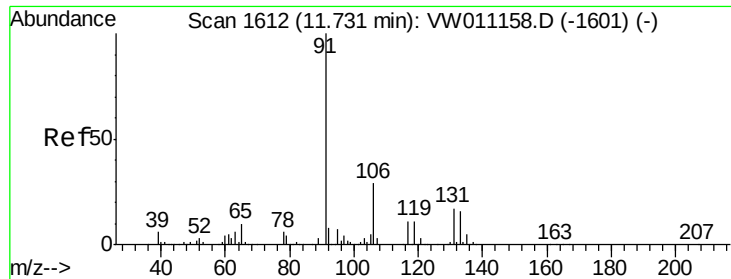
MMDadoda
7/9/2019 4:13:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.423 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:131 Resp: 47986
Ion Ratio Lower Upper
131 100
133 96.3 47.9 143.8
119 65.3 33.1 99.2





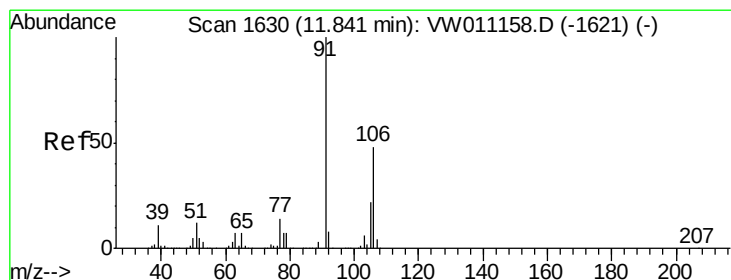
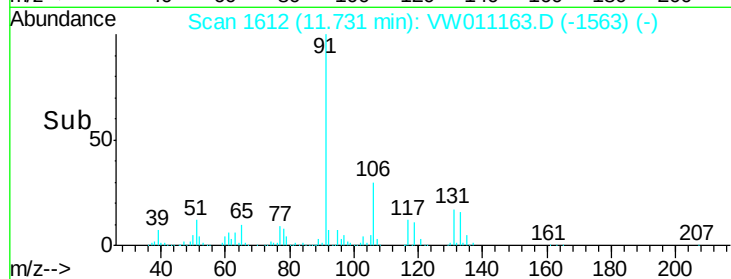
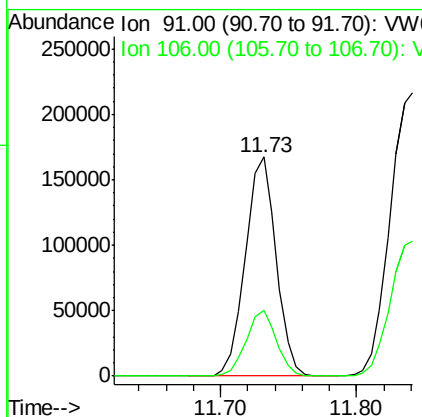
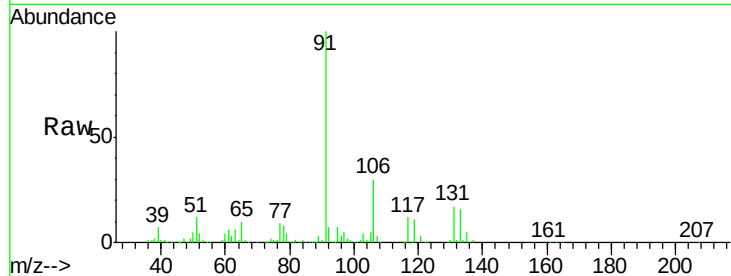
#67
Ethyl Benzene
Concen: 19.748 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.5	35.3

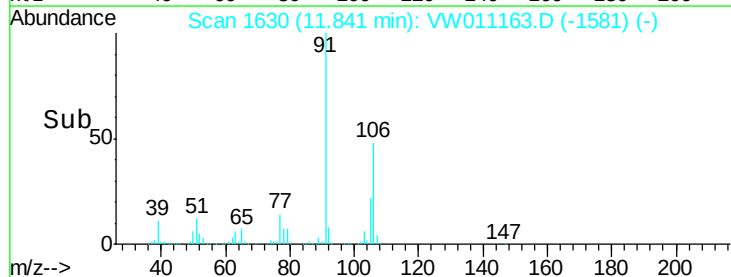
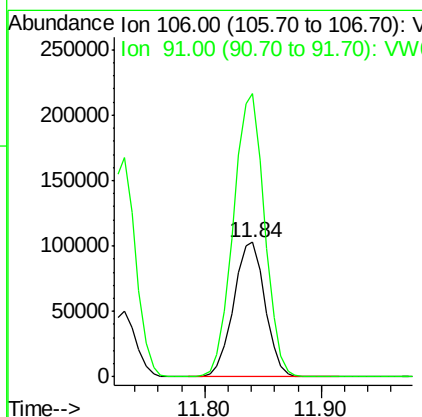
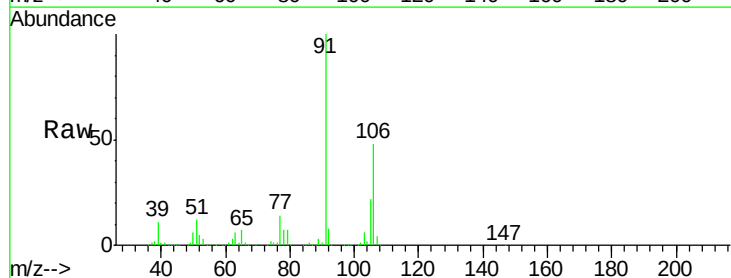
Manual Integrations
APPROVED

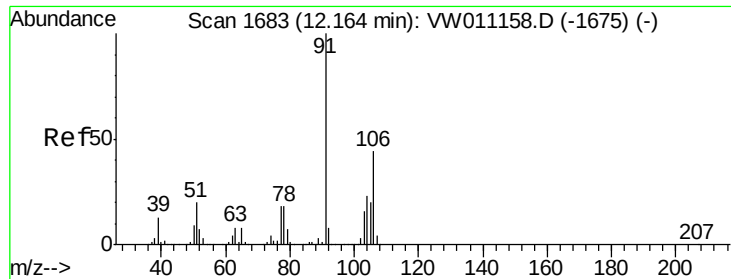
MMDadoda
7/9/2019 4:13:11 PM



#68
m/p-Xylenes
Concen: 39.869 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.7	251.5





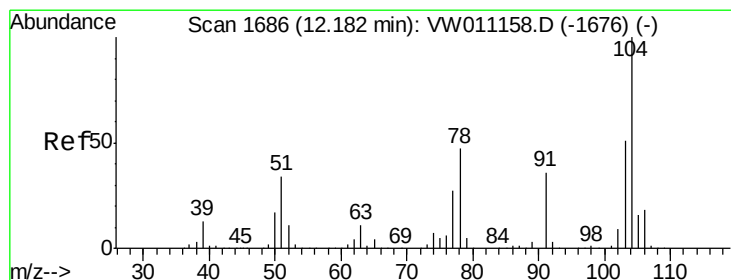
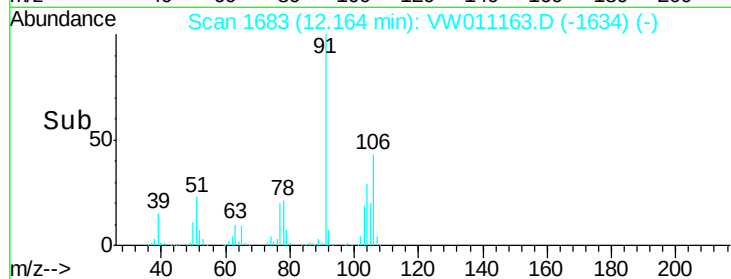
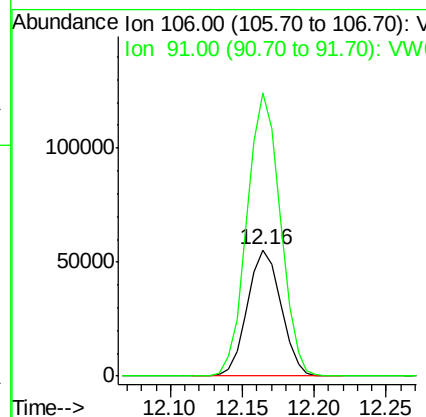
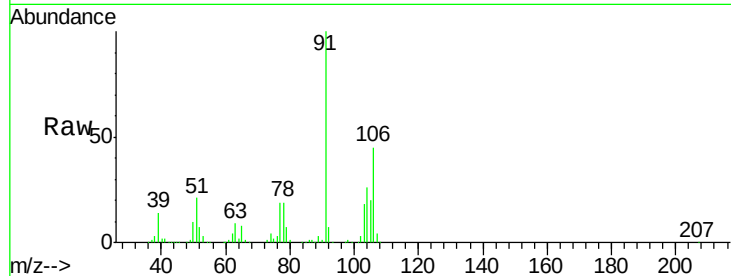
#69
o-Xylene
Concen: 19.553 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion:106 Resp: 89574
Ion Ratio Lower Upper
106 100
91 222.4 110.7 332.1

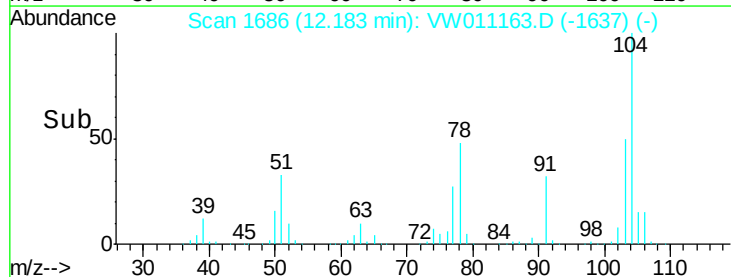
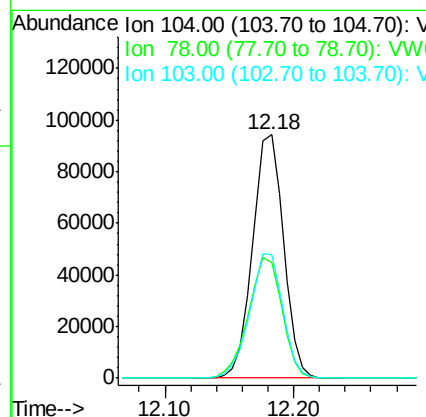
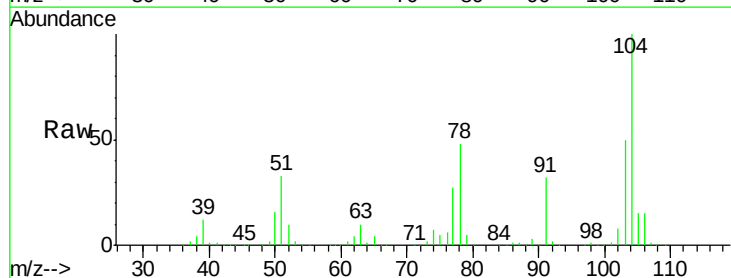
Manual Integrations
APPROVED

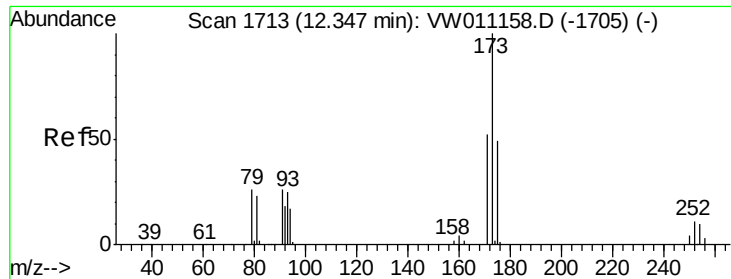
MMDadoda
7/9/2019 4:13:11 PM



#70
Styrene
Concen: 19.775 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:104 Resp: 156342
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.5 44.1 66.1





#71

Bromoform

Concen: 17.914 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:173 Resp: 23532

Ion Ratio Lower Upper

173 100

175 47.8 24.8 74.3

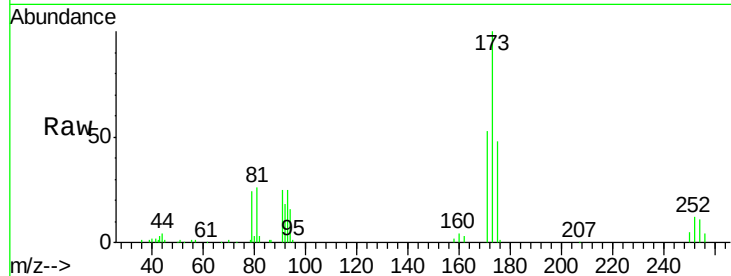
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

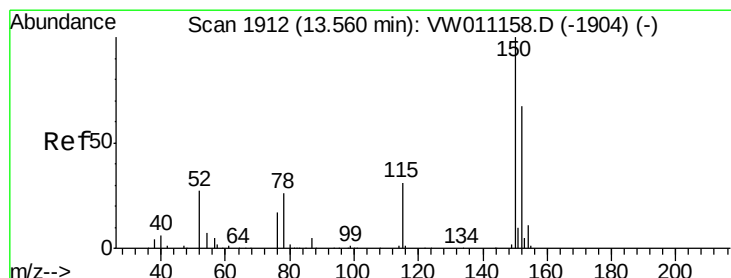
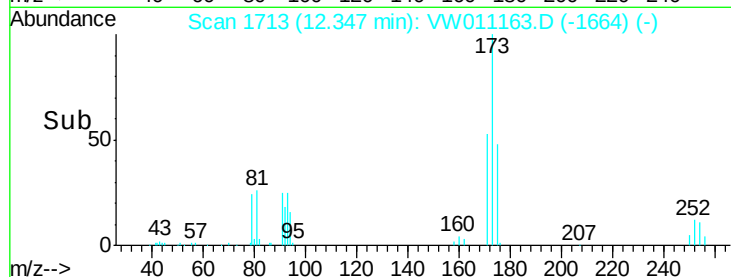
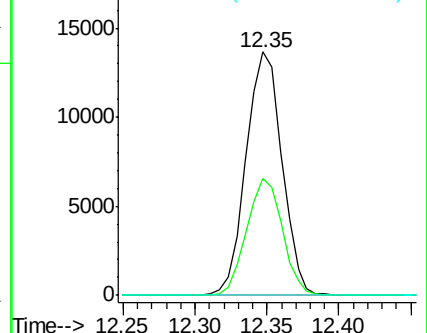
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

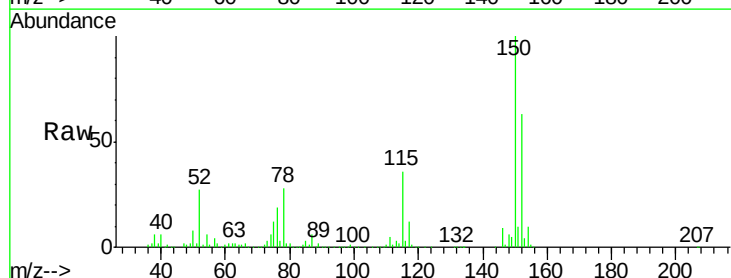
Tgt Ion:152 Resp: 166733

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

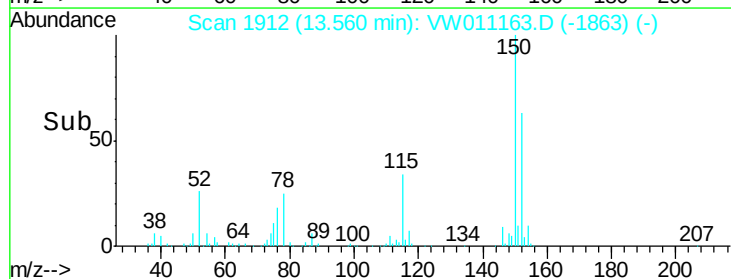
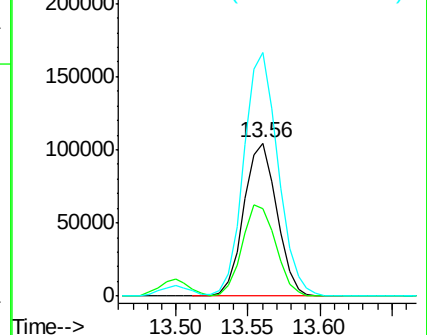
150 164.3 0.0 346.0

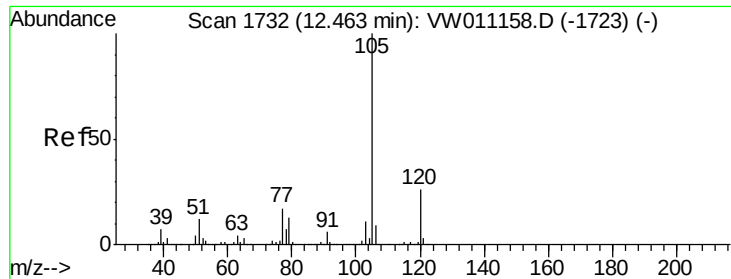


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





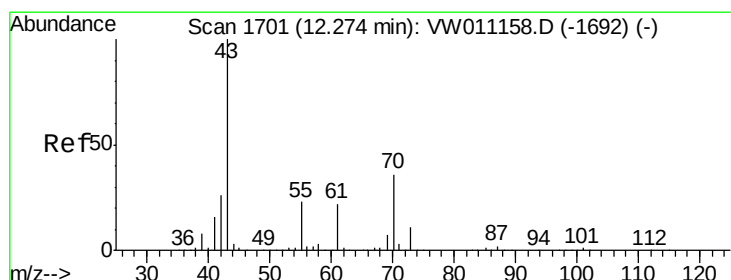
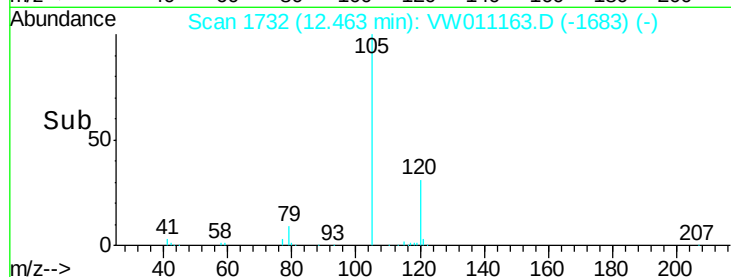
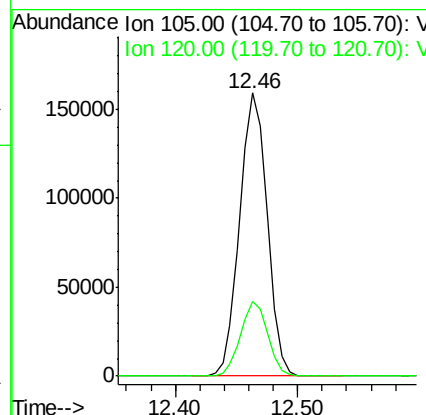
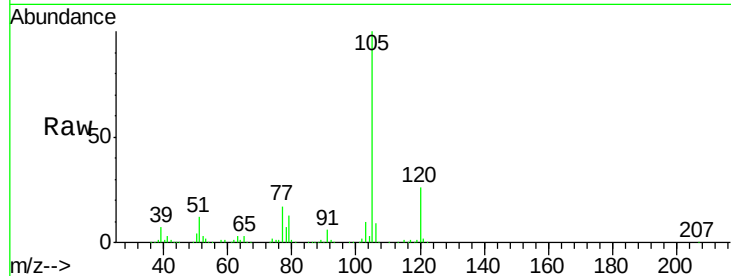
#73
Isopropylbenzene
Concen: 19.854 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.3

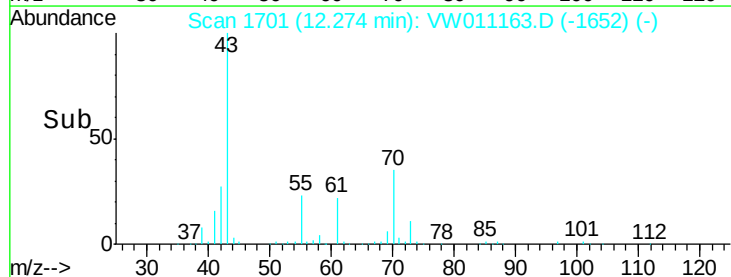
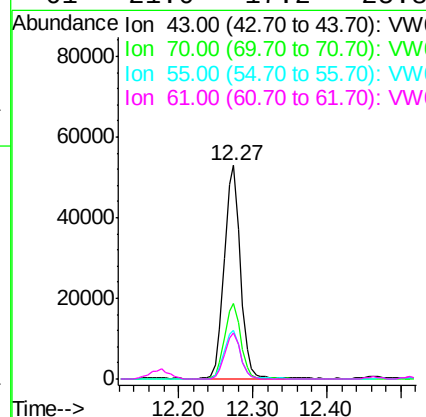
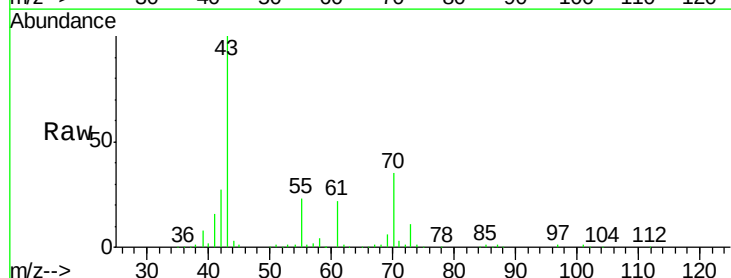
Manual Integrations
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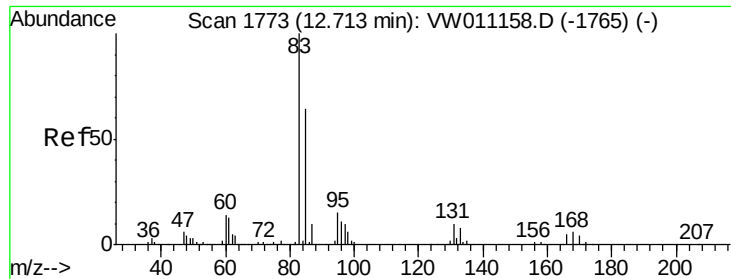
MMDadoda
7/9/2019 4:13:11 PM



#74
N-ethyl acetate
Concen: 18.547 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.2	28.5	42.7
55	22.9	18.1	27.1
61	21.0	17.2	25.8





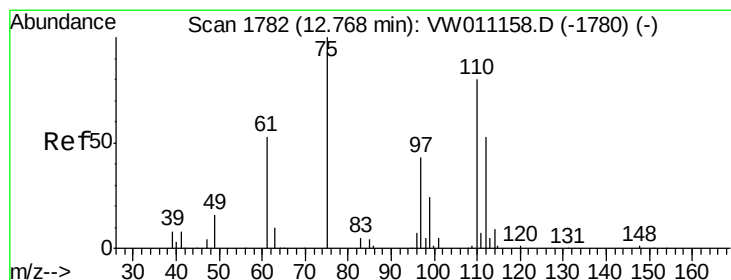
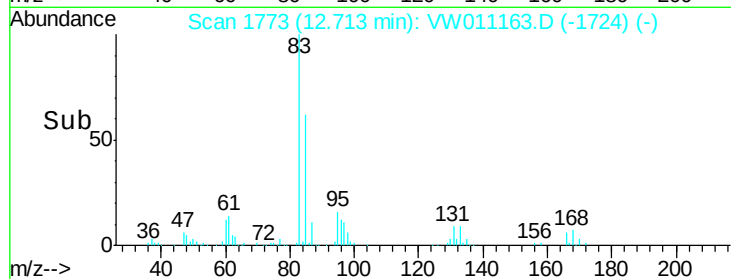
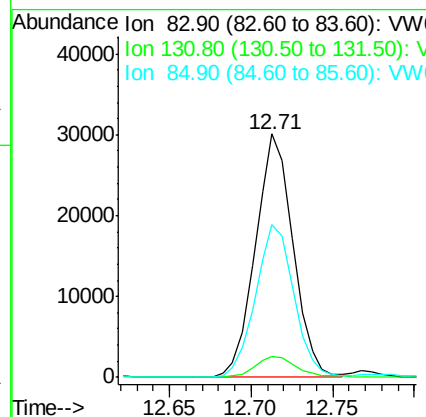
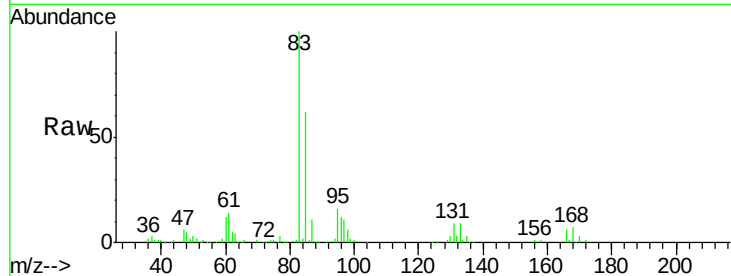
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.865 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	48199		
131	9.6	5.0	15.0	
85	64.2	31.6	94.8	

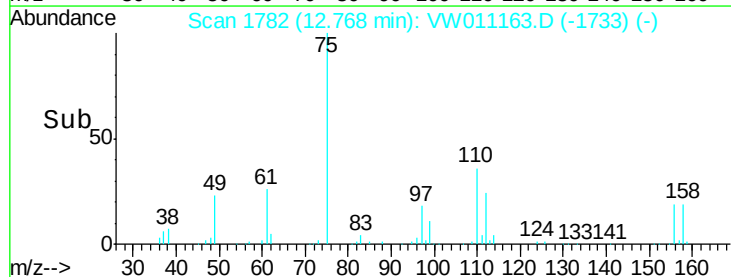
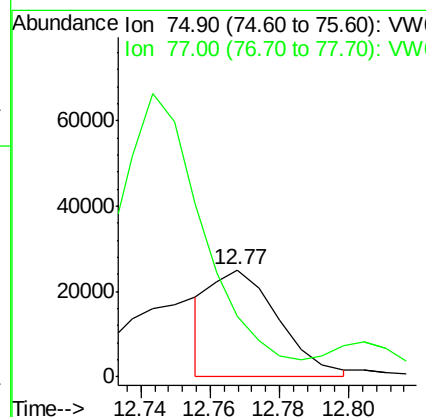
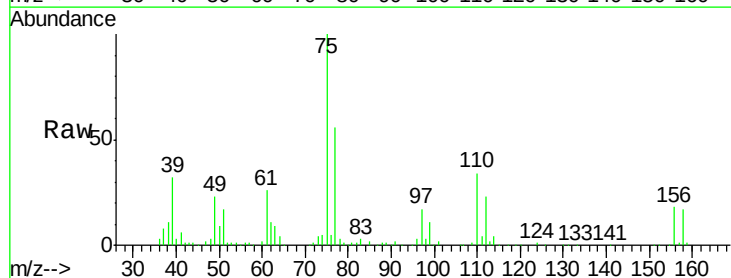
Manual Integrations
 APPROVED

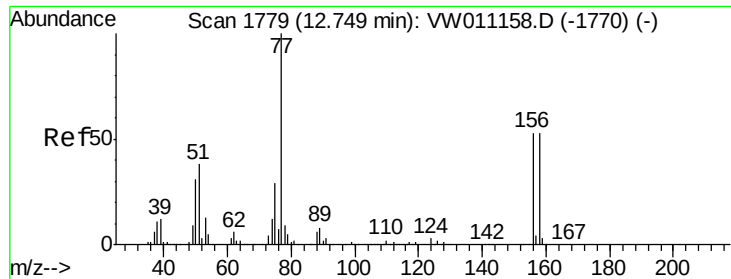
MMDadoda
 7/9/2019 4:13:11 PM



#76
 1,2,3-Trichloropropane
 Concen: 17.612 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33935		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 19.798 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011163.D

Acq: 08 Jul 2019 16:19

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:156 Resp: 55378

Ion Ratio Lower Upper

156 100

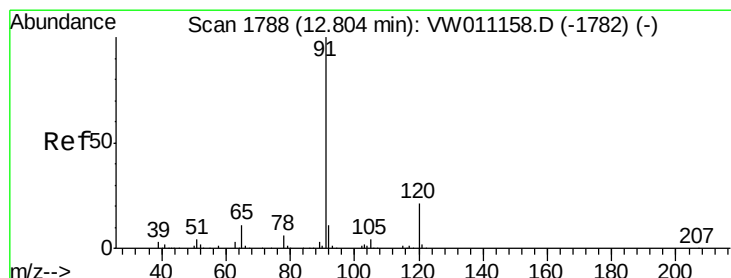
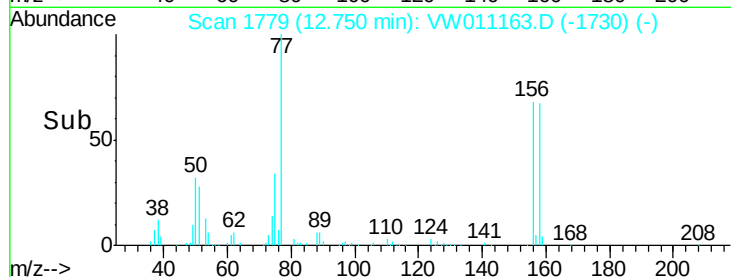
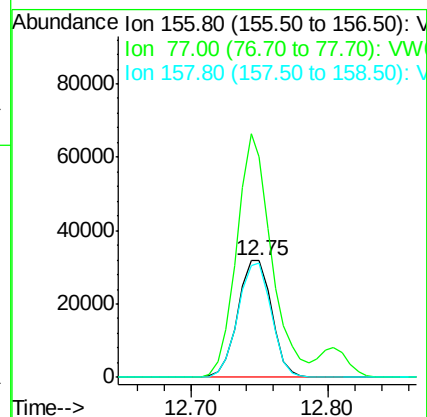
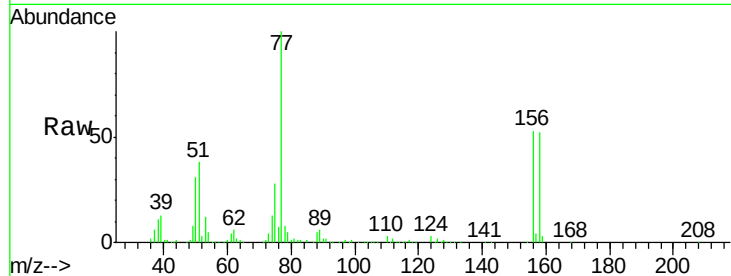
77 213.7 109.0 327.0

158 96.1 48.8 146.3

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#78

n-propylbenzene

Concen: 19.678 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011163.D

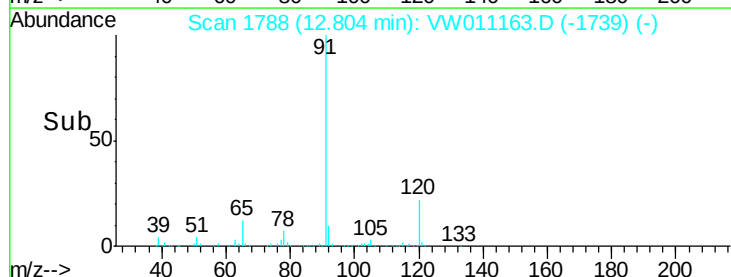
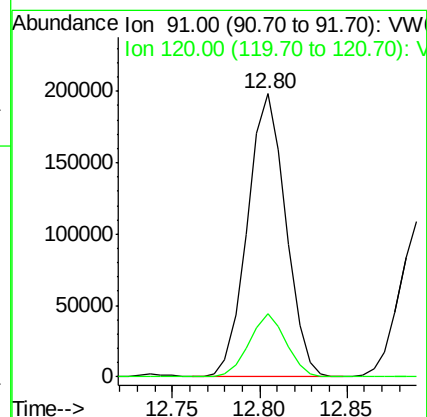
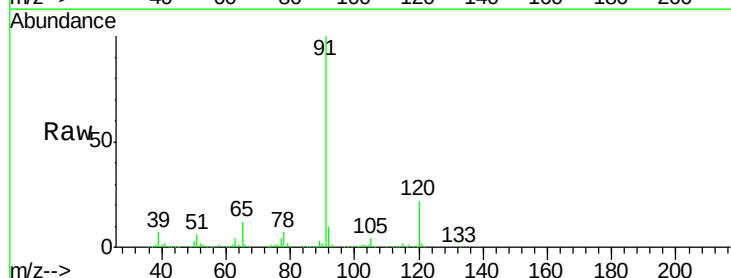
Acq: 08 Jul 2019 16:19

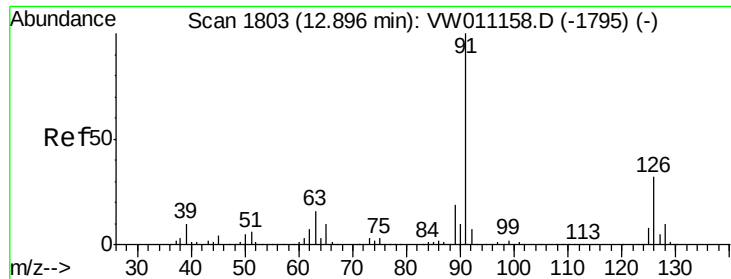
Tgt Ion: 91 Resp: 302138

Ion Ratio Lower Upper

91 100

120 21.5 10.8 32.3





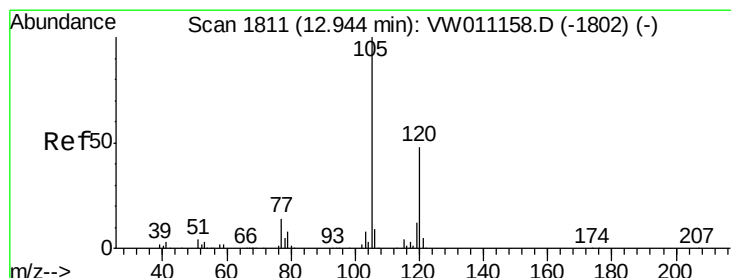
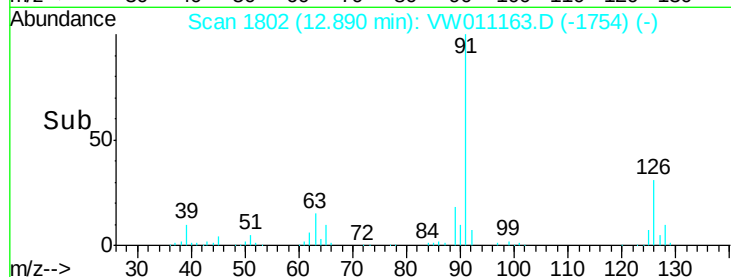
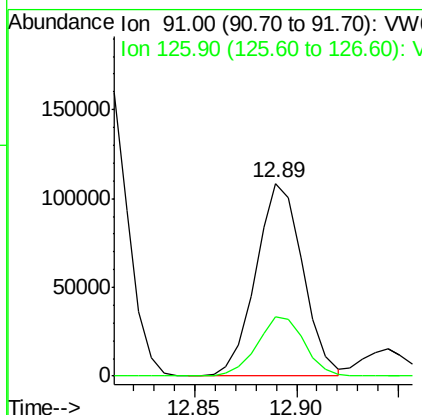
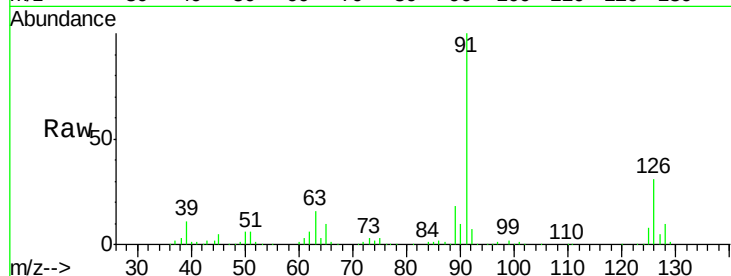
#79
2-Chlorotoluene
Concen: 19.650 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 91 Resp: 173618
Ion Ratio Lower Upper
91 100
126 31.0 15.8 47.3

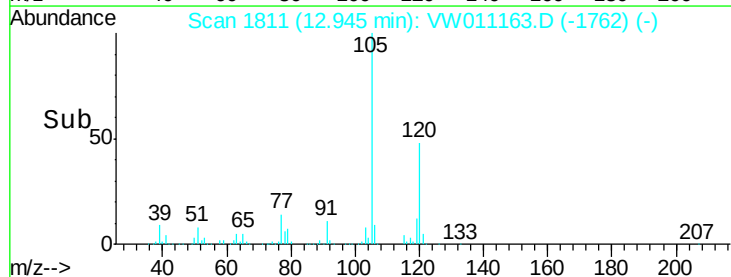
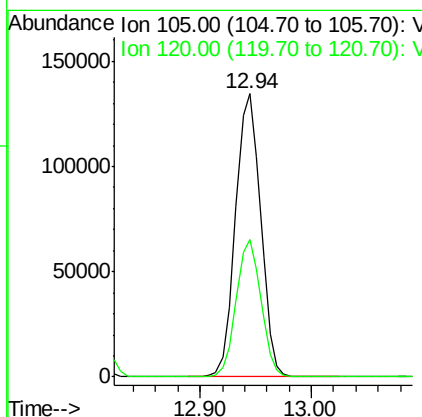
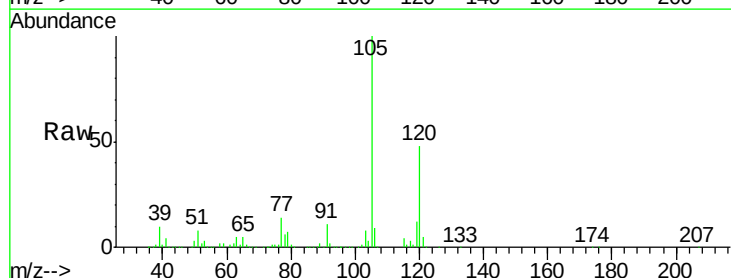
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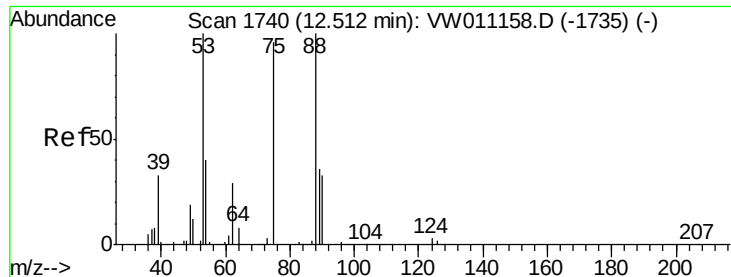
MMDadoda
7/9/2019 4:13:11 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.853 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion:105 Resp: 210220
Ion Ratio Lower Upper
105 100
120 47.9 24.1 72.2





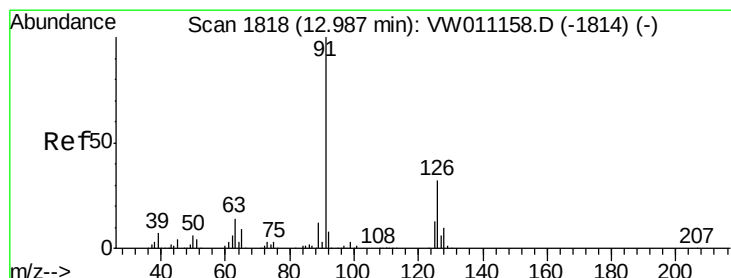
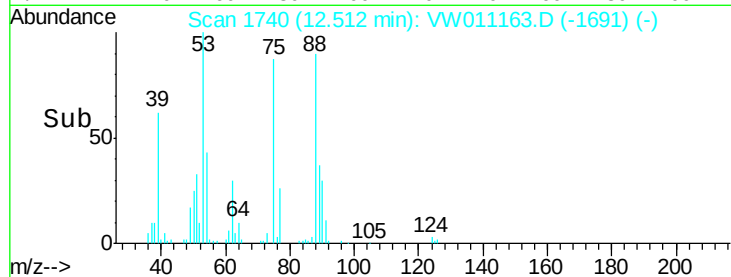
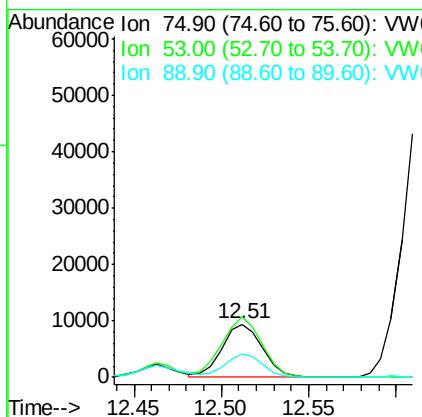
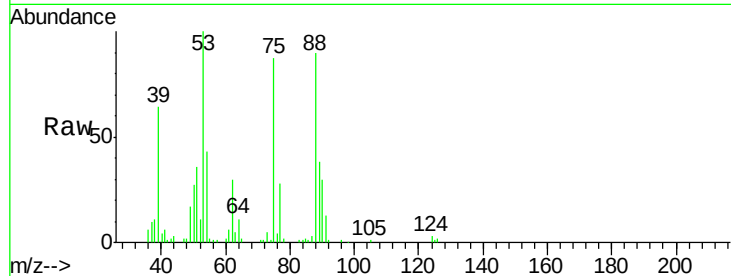
#81
trans-1,4-Dichloro-2-butene
Concen: 17.809 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.3	89.8	134.6
89	40.5	34.3	51.5

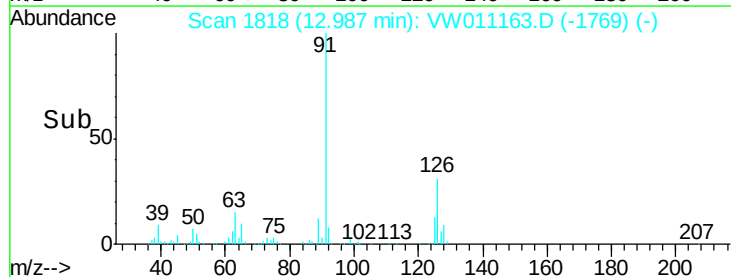
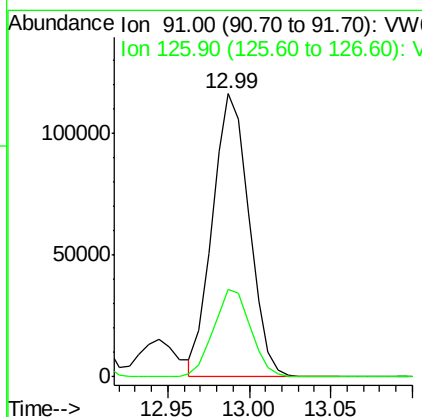
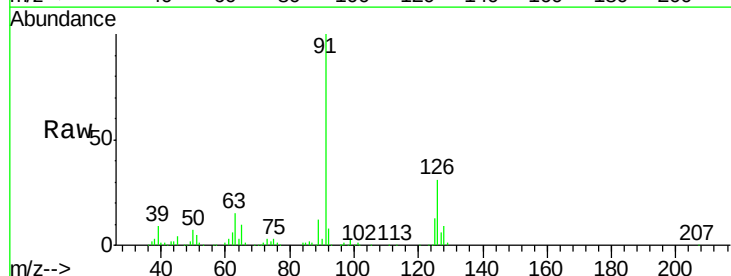
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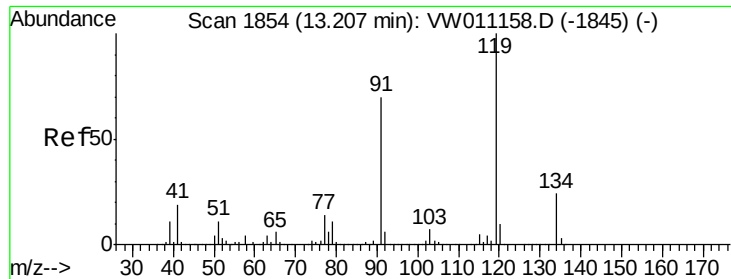
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#82
4-Chlorotoluene
Concen: 19.722 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1





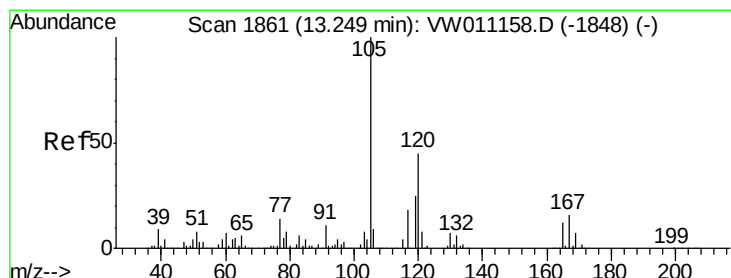
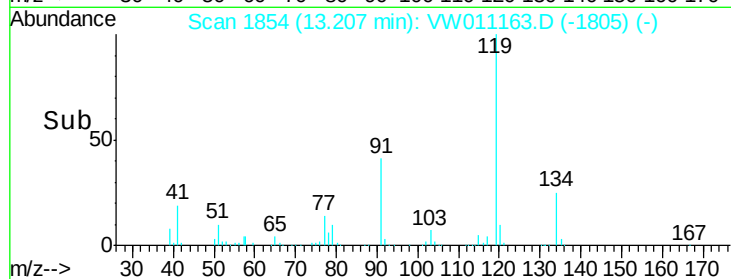
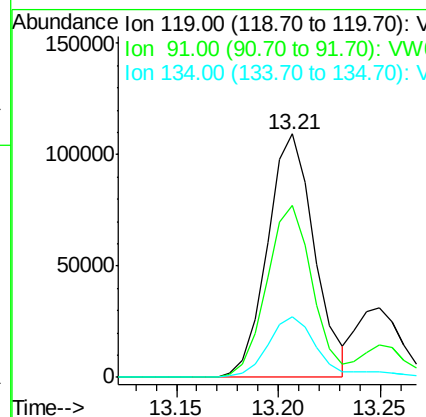
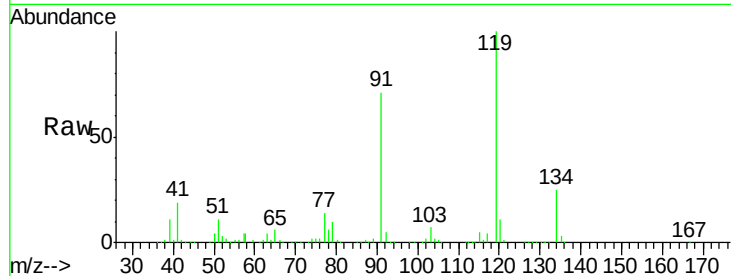
#83
tert-Butylbenzene
Concen: 19.854 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	35.4	106.3
134	26.9	13.4	40.2

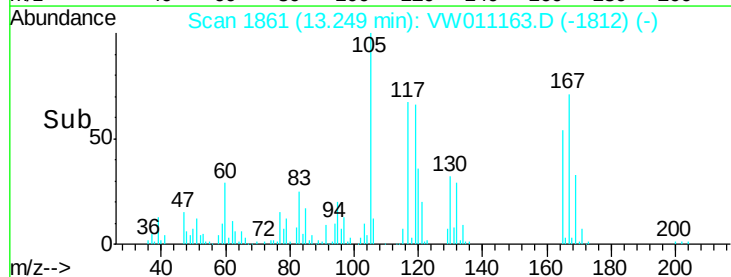
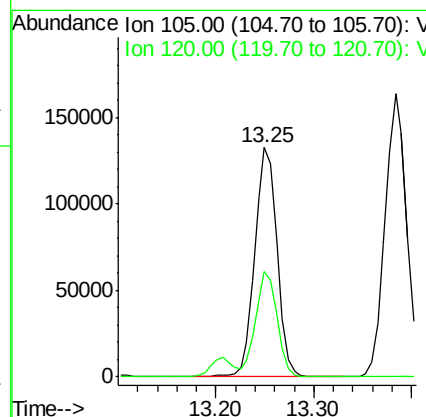
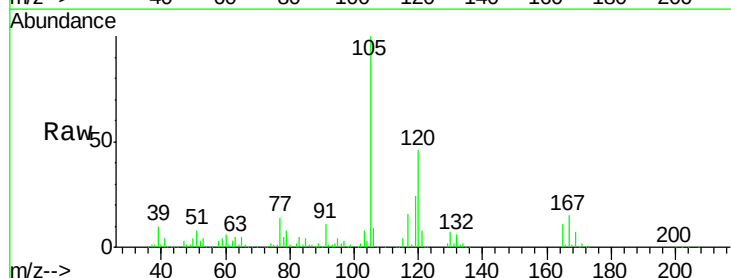
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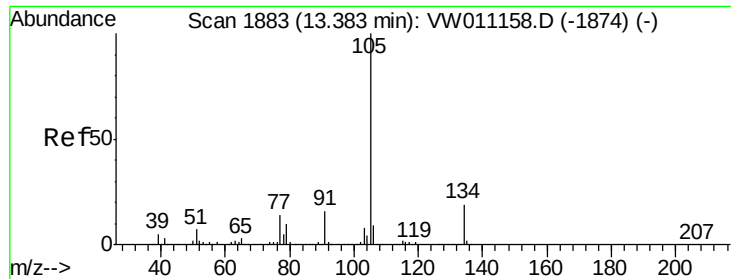
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#84
1,2,4-Trimethylbenzene
Concen: 19.701 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





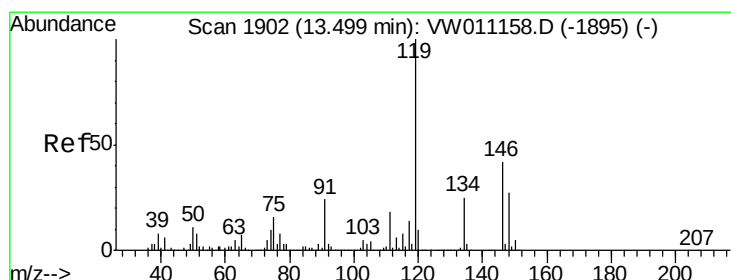
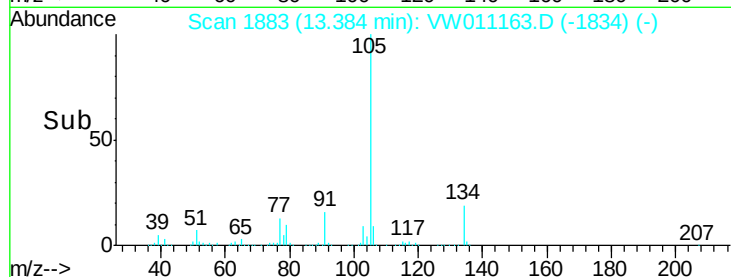
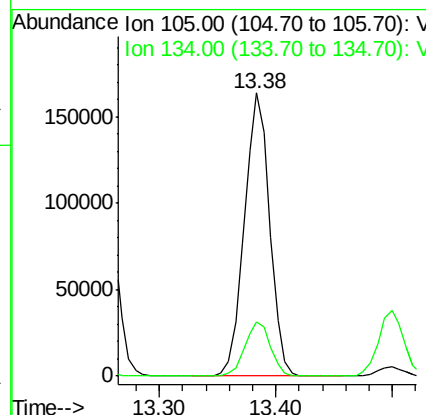
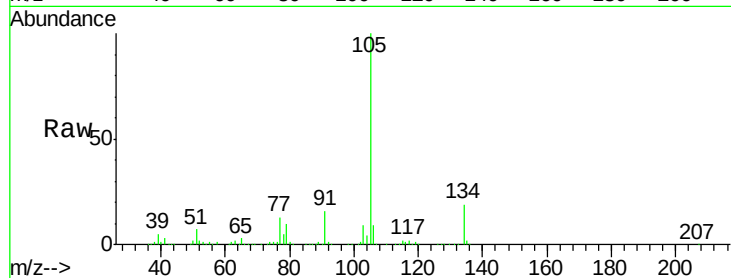
#85
 sec-Butylbenzene
 Concen: 19.503 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	248517		
134	19.4	9.7	28.9	

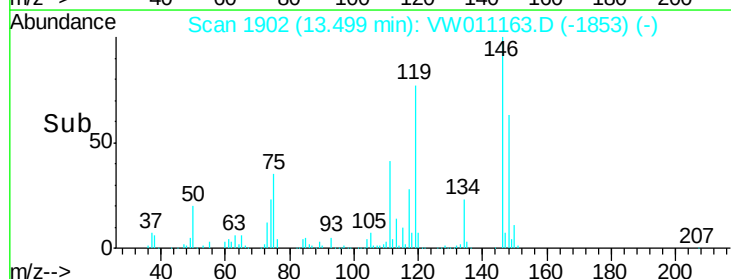
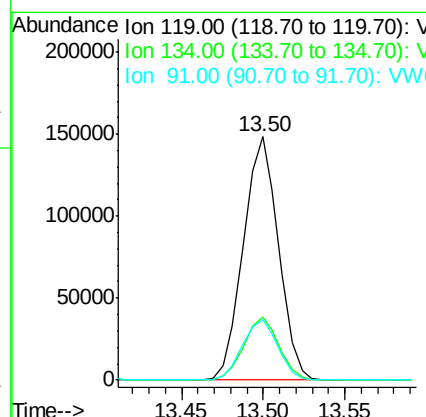
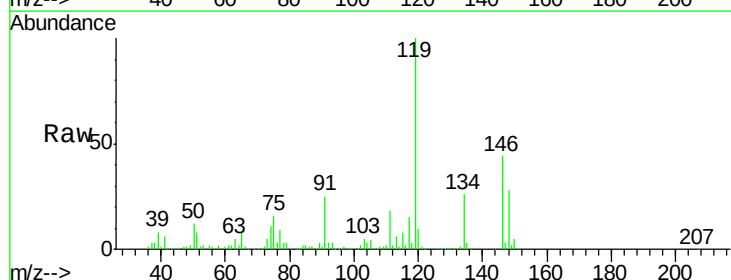
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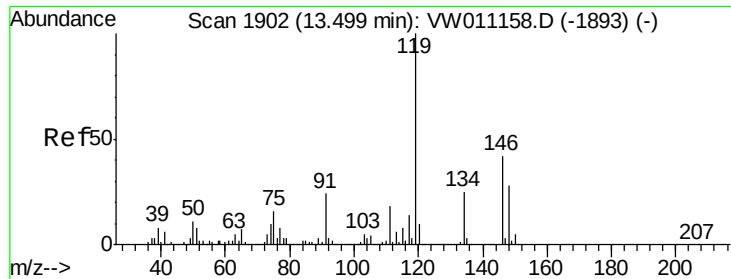
MMDadoda
 7/9/2019 4:13:11 PM



#86
 p-Isopropyltoluene
 Concen: 19.440 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	222180		
134	25.8	12.9	38.6	
91	25.2	12.3	36.8	





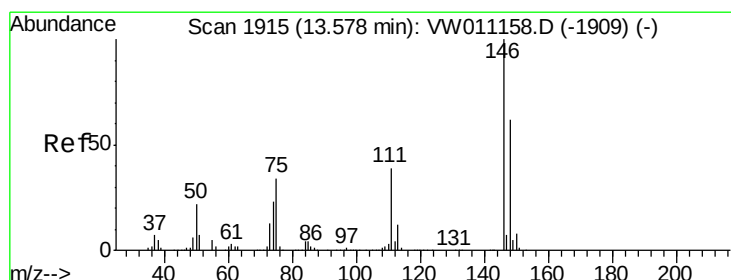
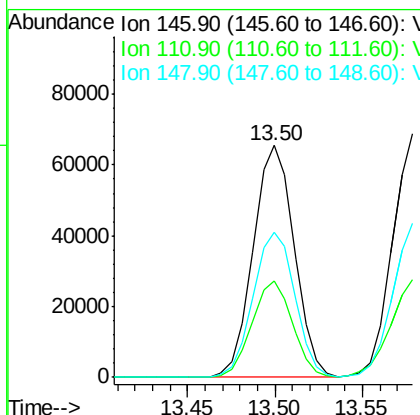
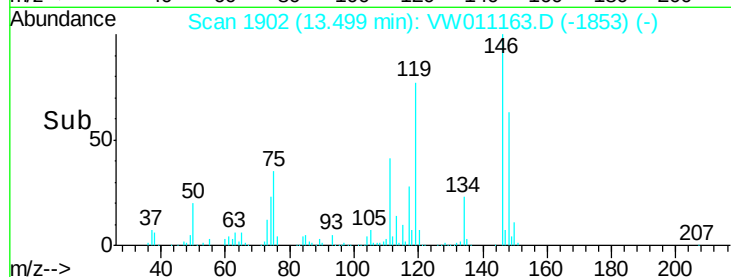
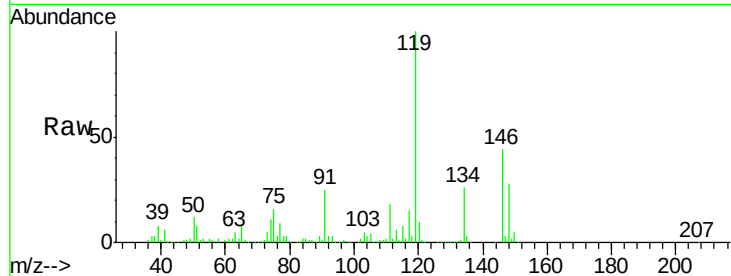
#87
 1,3-Dichlorobenzene
 Concen: 19.872 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.1
148	63.6	32.6	97.7

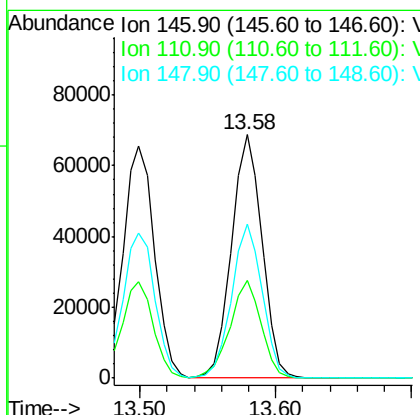
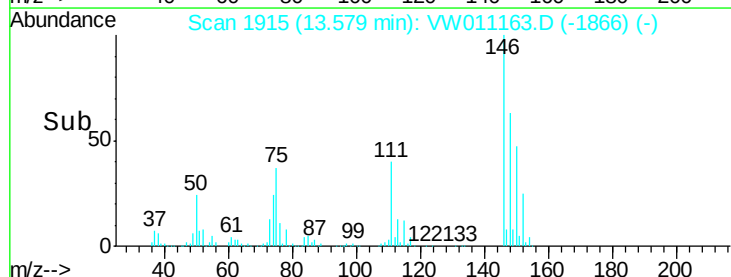
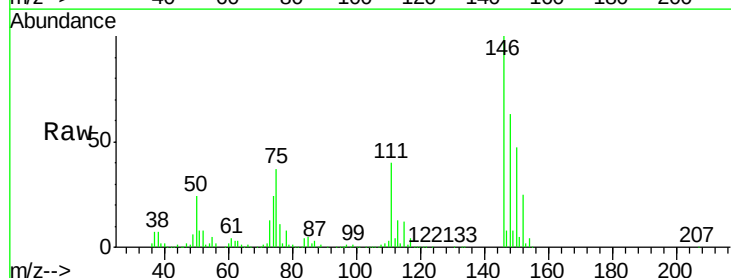
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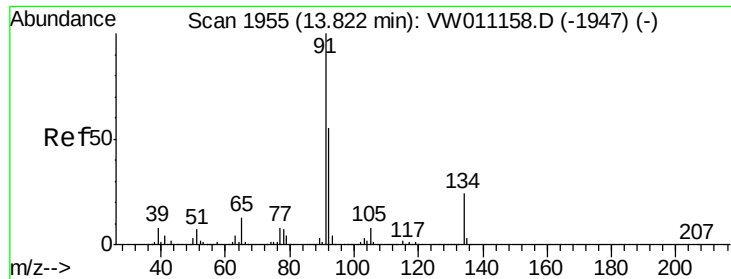
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#88
 1,4-Dichlorobenzene
 Concen: 19.810 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.9	59.7
148	63.5	31.5	94.5





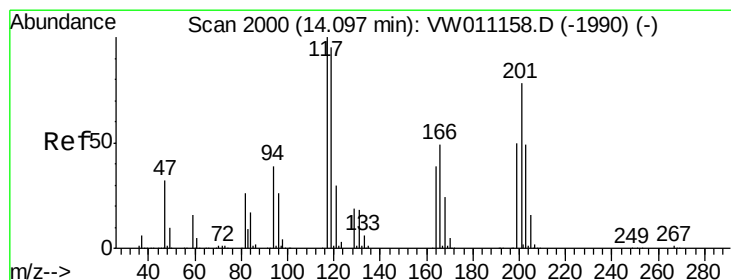
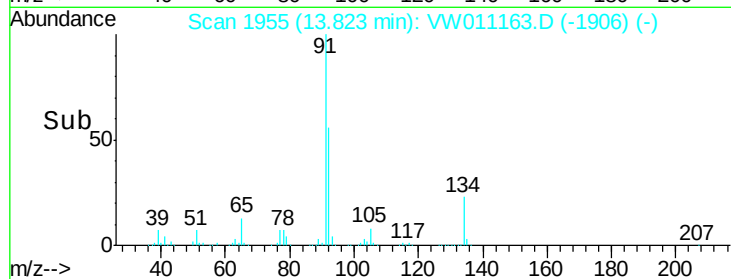
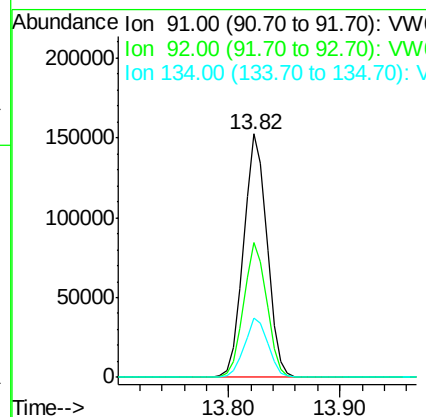
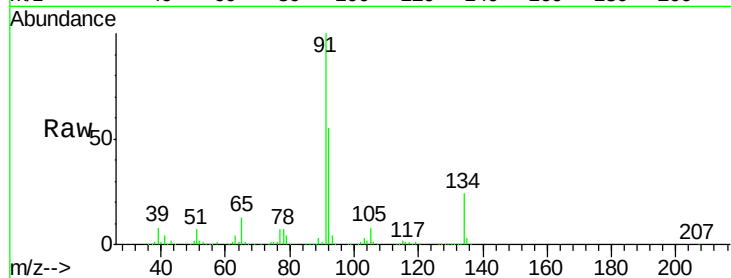
#89
n-Butylbenzene
Concen: 19.422 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.9	80.7
134	24.5	12.2	36.4

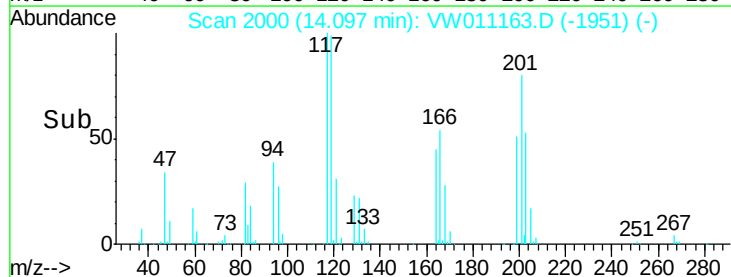
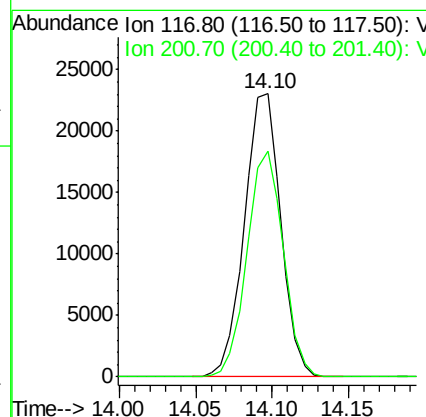
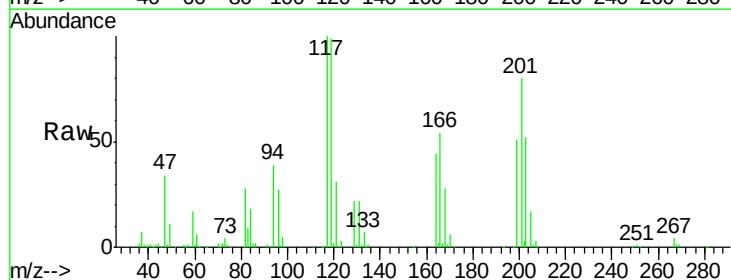
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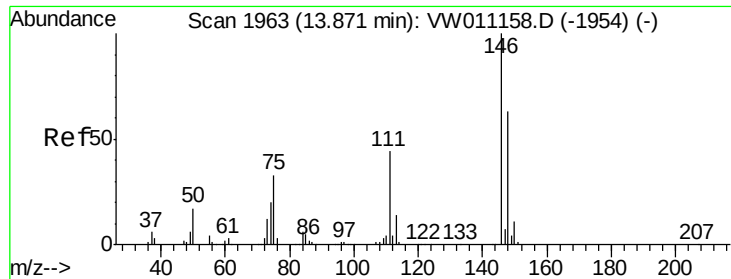
MMDadoda
7/9/2019 4:13:11 PM



#90
Hexachloroethane
Concen: 18.235 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	38.3	114.8





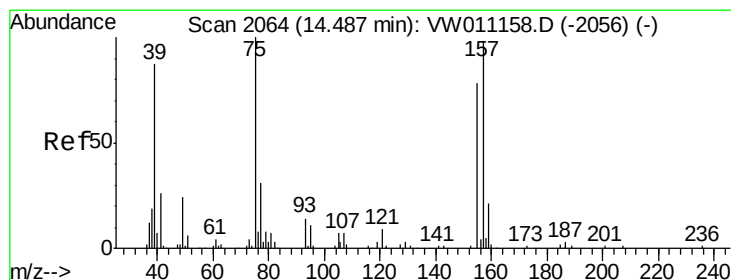
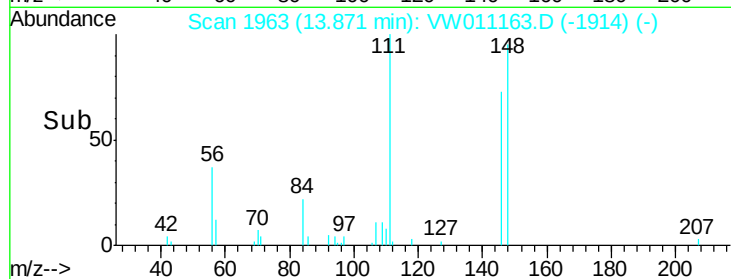
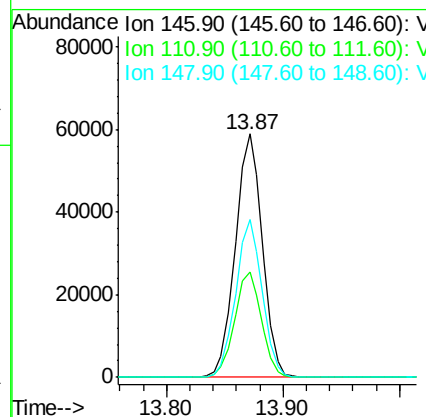
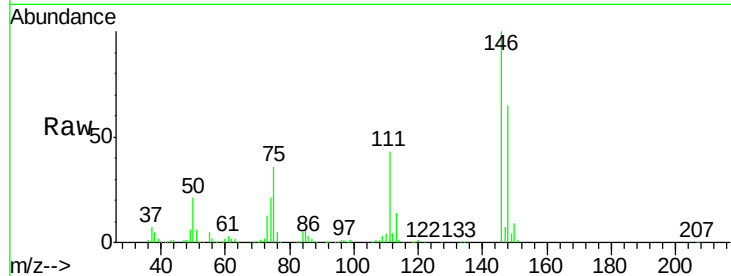
#91
 1,2-Dichlorobenzene
 Concen: 19.454 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.8	31.9	95.5

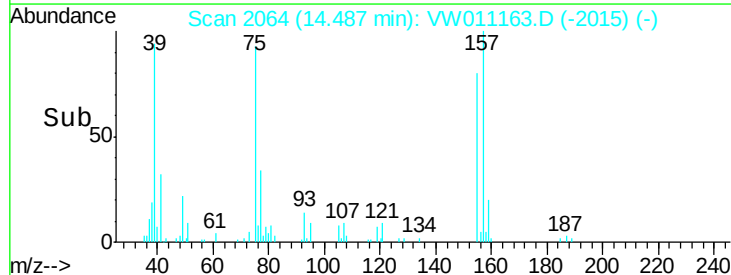
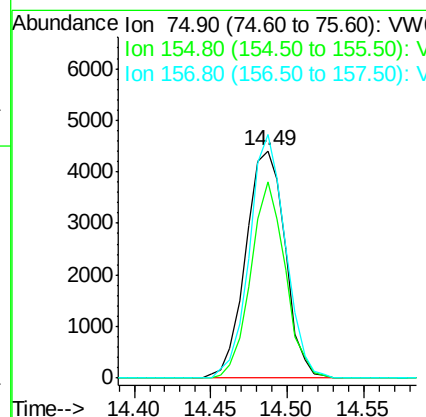
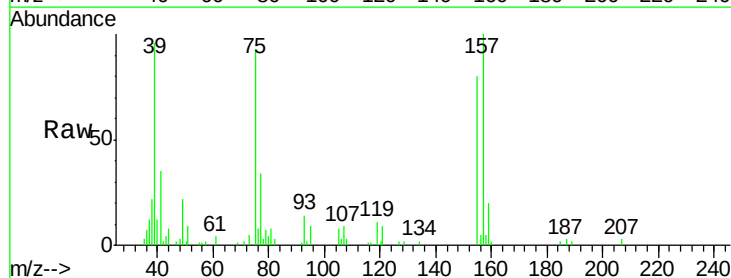
Manual Integrations
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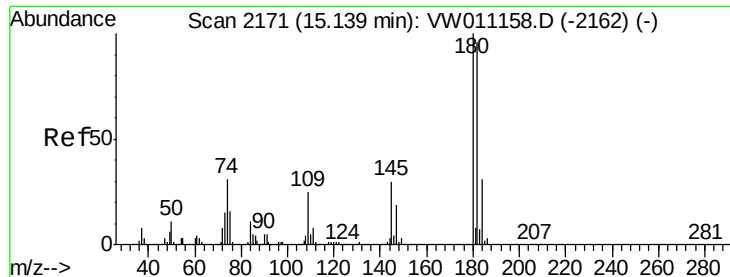
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.423 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011163.D
 Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	37.1	111.3
157	97.9	48.5	145.6





#93

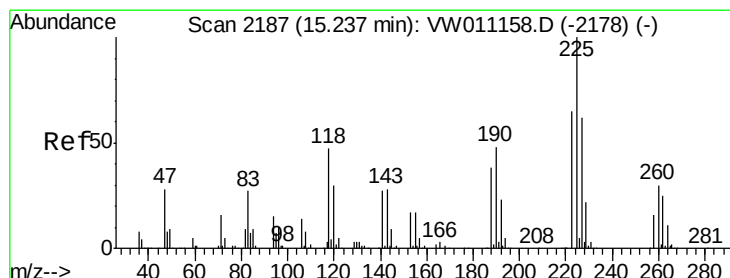
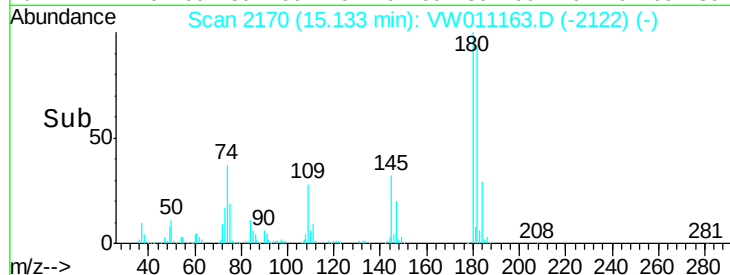
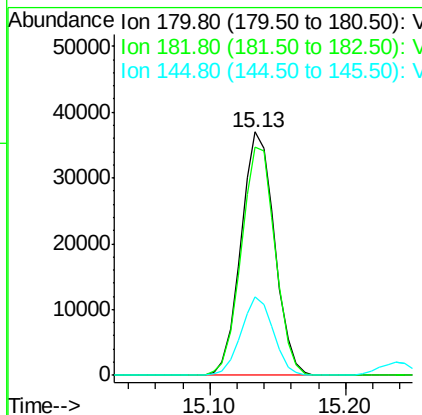
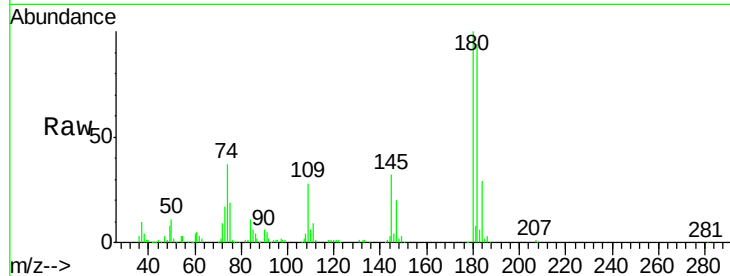
1,2,4-Trichlorobenzene
Concen: 18.940 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63693		
182	94.9	48.3	144.9	
145	31.0	15.5	46.5	

Manual Integrations
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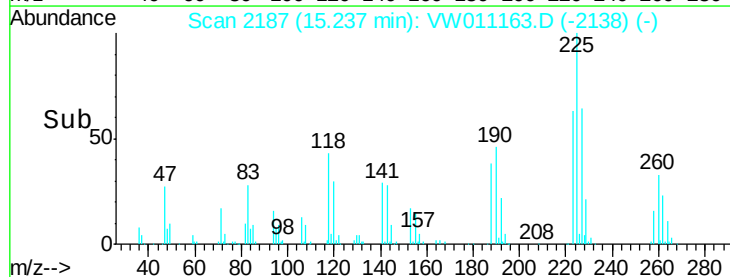
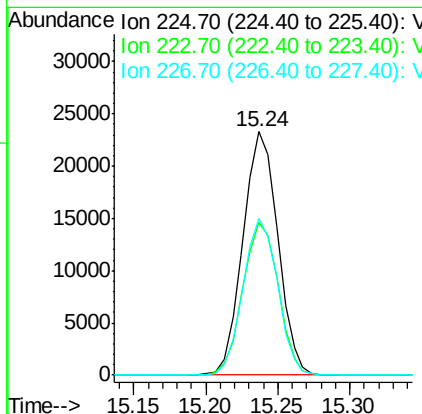
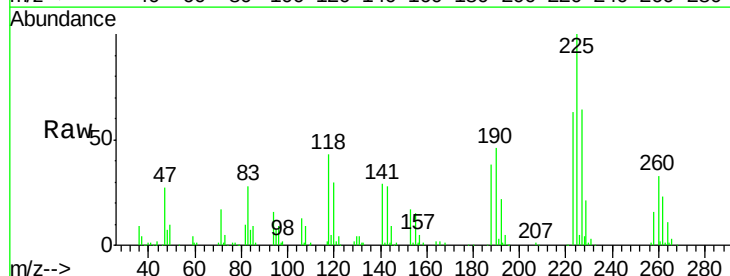
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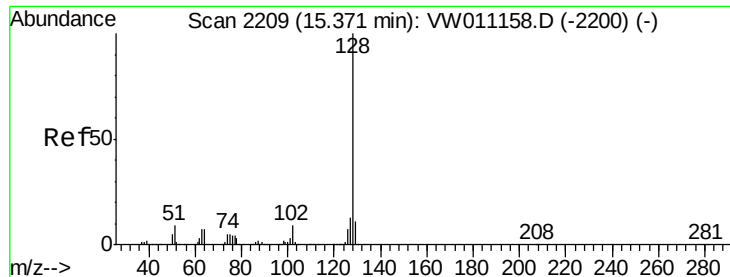


#94

Hexachlorobutadiene
Concen: 18.903 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39026		
223	63.6	31.6	95.0	
227	63.9	32.0	96.0	





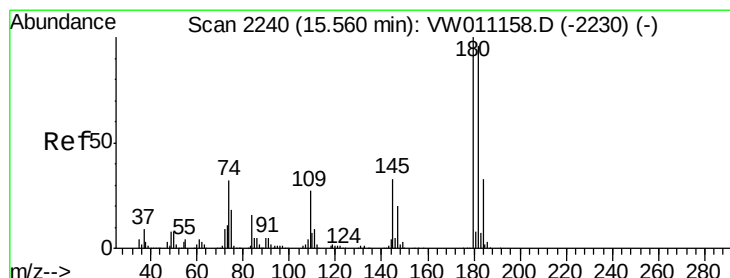
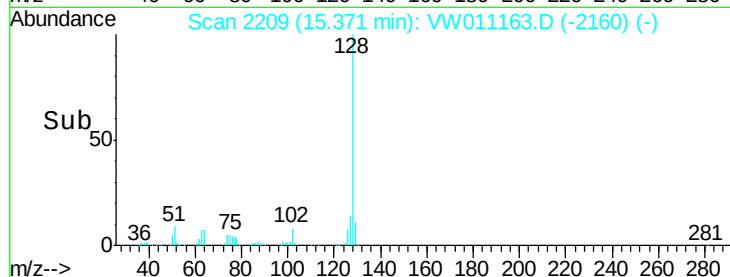
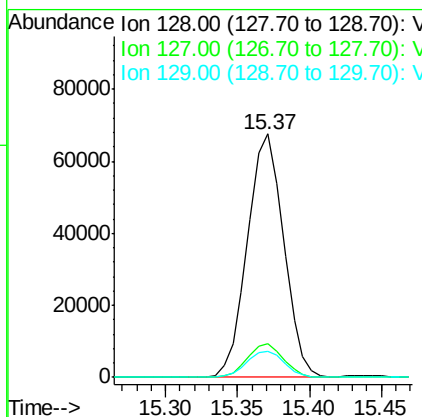
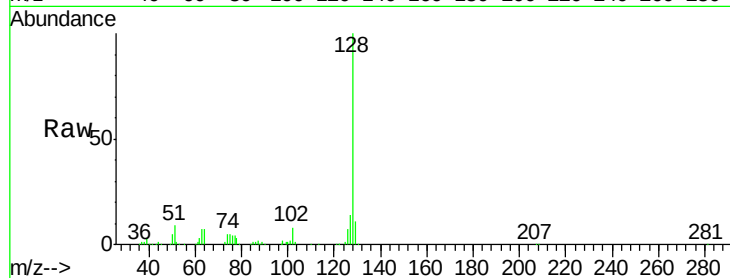
#95
Naphthalene
Concen: 18.331 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	118127		
127	13.9	10.6	16.0	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:13:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.329 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011163.D
Acq: 08 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57367		
182	93.5	47.6	142.8	
145	32.2	16.5	49.5	

