

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011998.D
 Acq On : 19 Aug 2019 19:10
 Operator : SY/VA
 Sample : VW0819SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:55:42 AM

Quant Time: Aug 19 19:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152716	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	127434	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
50) Toluene-d8	10.32	98	510557	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
62) 4-Bromofluorobenzene	12.62	95	182406	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34002	25.149	ug/l	97
3) Chloromethane	2.21	50	55652	23.738	ug/l	97
4) Vinyl Chloride	2.36	62	67052	23.756	ug/l	97
5) Bromomethane	2.75	94	33415	21.388	ug/l	96
6) Chloroethane	2.91	64	37877	23.493	ug/l	99
7) Trichlorofluoromethane	3.25	101	30619	24.274	ug/l	99
8) Diethyl Ether	3.68	74	32336	22.609	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57805	24.157	ug/l	99
10) Methyl Iodide	4.27	142	79691	23.566	ug/l	99
11) Tert butyl alcohol	5.17	59	20969	90.632	ug/l	98
12) 1,1-Dichloroethene	4.04	96	58208	23.039	ug/l	93
13) Acrolein	3.89	56	12558	62.828	ug/l	95
14) Allyl chloride	4.66	41	123063	22.901	ug/l	98
15) Acrylonitrile	5.36	53	82329	115.316	ug/l	98
16) Acetone	4.12	43	71416	80.595	ug/l	96
17) Carbon Disulfide	4.38	76	171018	21.627	ug/l	98
18) Methyl Acetate	4.67	43	45958	23.087	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	96809	24.146	ug/l	96
20) Methylene Chloride	4.91	84	68873	22.537	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	64021	23.504	ug/l	100
22) Diisopropyl ether	6.31	45	240101	23.699	ug/l	100
23) Vinyl Acetate	6.25	43	715092	112.329	ug/l	99
24) 1,1-Dichloroethane	6.22	63	127554	23.508	ug/l	98
25) 2-Butanone	7.17	43	115222	99.372	ug/l	99
26) 2,2-Dichloropropane	7.16	77	68375	20.490	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	69949	23.333	ug/l	98
28) Bromochloromethane	7.51	49	54685	22.706	ug/l	99
29) Tetrahydrofuran	7.53	42	76090	114.805	ug/l	99
30) Chloroform	7.68	83	117246	23.422	ug/l	98
31) Cyclohexane	7.95	56	120074	23.054	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	92127	24.166	ug/l	99
36) 1,1-Dichloropropene	8.08	75	96029	23.166	ug/l	99
37) Ethyl Acetate	7.25	43	52366	21.957	ug/l	98
38) Carbon Tetrachloride	8.07	117	82597	23.276	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107847	23.628	ug/l	97
40) Benzene	8.32	78	269292	23.193	ug/l	99
41) Methacrylonitrile	7.48	41	34357	24.100	ug/l	95
42) 1,2-Dichloroethane	8.40	62	83298	22.914	ug/l	99
43) Isopropyl Acetate	8.42	43	98224	22.395	ug/l	100
44) Trichloroethene	9.09	130	65766	23.566	ug/l	99
45) 1,2-Dichloropropane	9.37	63	71738	23.091	ug/l	98
46) Dibromomethane	9.46	93	32738	23.088	ug/l	99
47) Bromodichloromethane	9.64	83	84943	22.837	ug/l	98
48) Methyl methacrylate	9.44	41	46699	22.165	ug/l	100
49) 1,4-Dioxane	9.45	88	9828	478.680	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	251415	110.204	ug/l	100
52) Toluene	10.39	92	164363	23.440	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	86320	22.216	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	106225	22.993	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	46243	22.985	ug/l	97
56) Ethyl methacrylate	10.65	69	67266	22.848	ug/l	99
57) 1,3-Dichloropropane	10.93	76	86622	22.757	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	166021	124.200	ug/l	99
59) 2-Hexanone	10.97	43	169566	105.269	ug/l	98
60) Dibromochloromethane	11.13	129	50019	22.397	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43811	23.011	ug/l	100
64) Tetrachloroethene	10.86	164	53817	23.935	ug/l	96
65) Chlorobenzene	11.66	112	164085	23.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	57461	23.761	ug/l	100
67) Ethyl Benzene	11.73	91	316159	23.910	ug/l	100
68) m/p-Xylenes	11.84	106	229405	47.706	ug/l	99
69) o-Xylene	12.16	106	107133	23.975	ug/l	99
70) Styrene	12.18	104	185032	23.949	ug/l	99
71) Bromoform	12.35	173	28622	23.213	ug/l #	100
73) Isopropylbenzene	12.46	105	300395	23.989	ug/l	99
74) N-amyl acetate	12.27	43	90132	22.991	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55027	23.362	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37345m	21.027	ug/l	
77) Bromobenzene	12.75	156	65451	23.648	ug/l	98
78) n-propylbenzene	12.80	91	364769	23.936	ug/l	100
79) 2-Chlorotoluene	12.89	91	209469	23.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	250583	23.873	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16465	21.366	ug/l	94
82) 4-Chlorotoluene	12.99	91	219283	23.806	ug/l	99
83) tert-Butylbenzene	13.21	119	214280	24.412	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	253884	24.011	ug/l	99
85) sec-Butylbenzene	13.38	105	306074	24.438	ug/l	100
86) p-Isopropyltoluene	13.50	119	275676	24.259	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	126743	23.354	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	126197	23.376	ug/l	99
89) n-Butylbenzene	13.82	91	266988	23.543	ug/l	99
90) Hexachloroethane	14.09	117	47600	23.688	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	113240	23.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9326	23.219	ug/l	97

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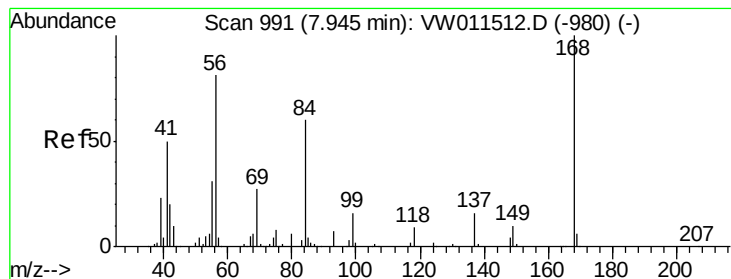
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QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78963	23.342	ug/l	98
94) Hexachlorobutadiene	15.24	225	51491	24.408	ug/l	99
95) Naphthalene	15.36	128	140497	22.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	67788	22.861	ug/l	99

(#) = 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: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion:168 Resp: 242593

Ion Ratio Lower Upper

168 100

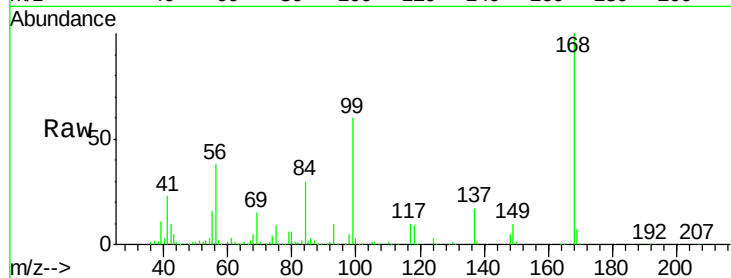
99 59.5 48.2 72.4

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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

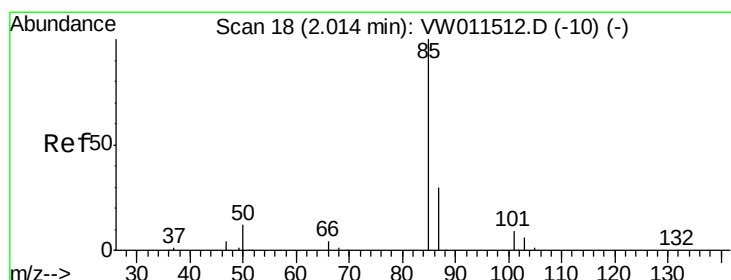
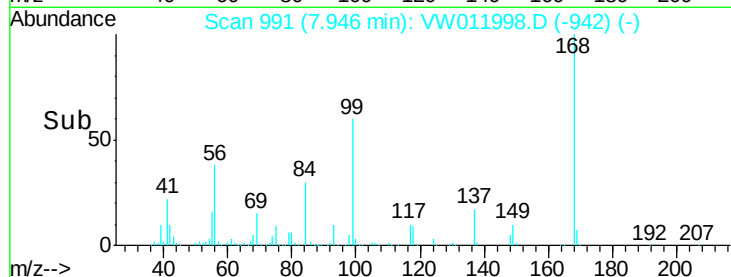
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 25.149 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011998.D

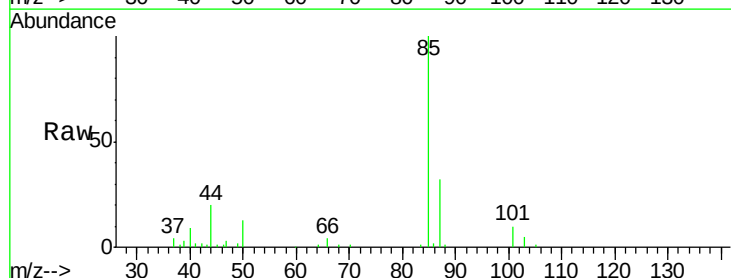
Acq: 19 Aug 2019 19:10

Tgt Ion: 85 Resp: 34002

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

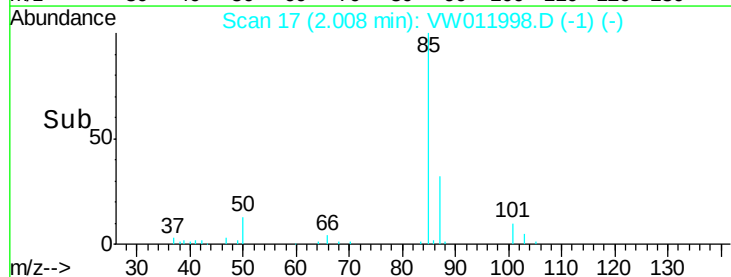
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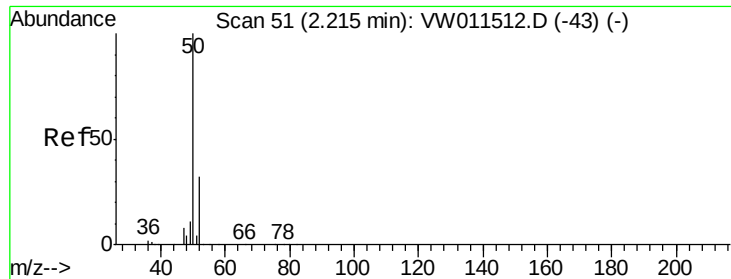
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 23.738 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 50 Resp: 55652

Ion Ratio Lower Upper

50 100

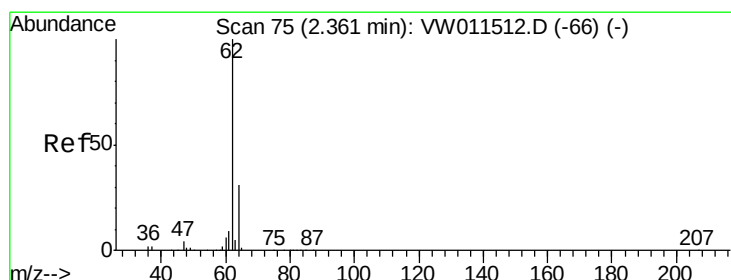
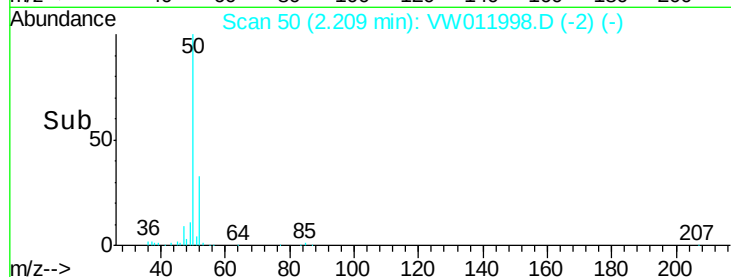
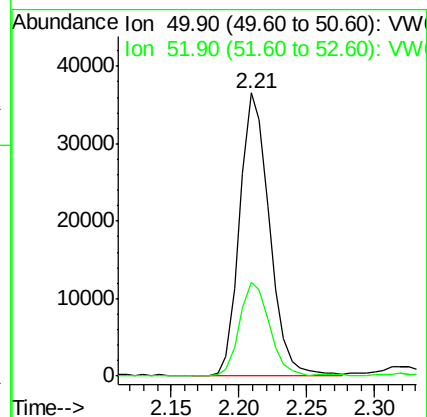
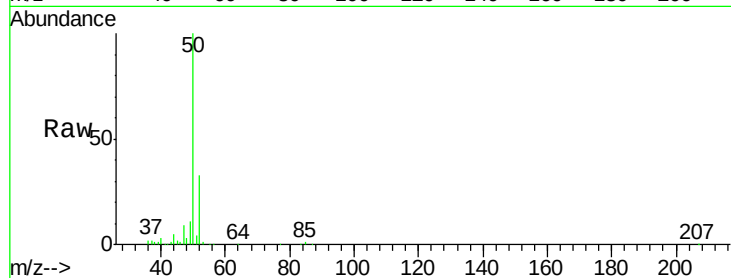
52 33.3 25.4 38.2

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#4

Vinyl Chloride

Concen: 23.756 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011998.D

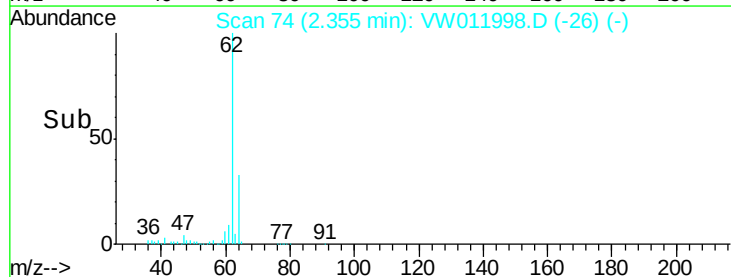
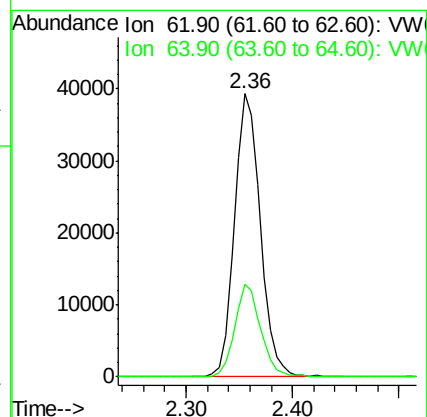
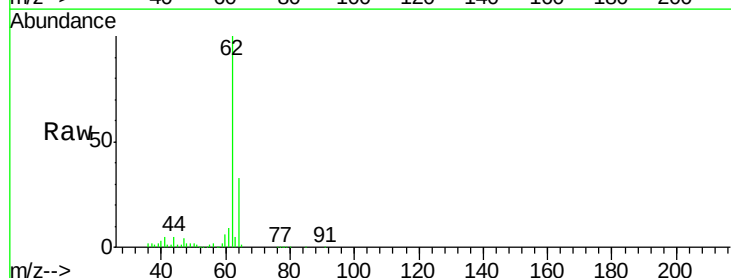
Acq: 19 Aug 2019 19:10

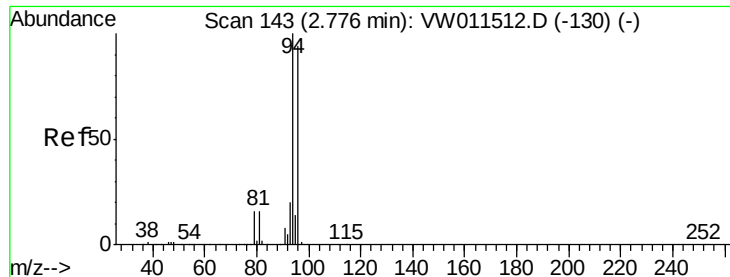
Tgt Ion: 62 Resp: 67052

Ion Ratio Lower Upper

62 100

64 32.9 25.0 37.4





#5

Bromomethane

Concen: 21.388 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

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Tot Ion: 94 Resp: 33415

Ion Ratio Lower Upper

94 100

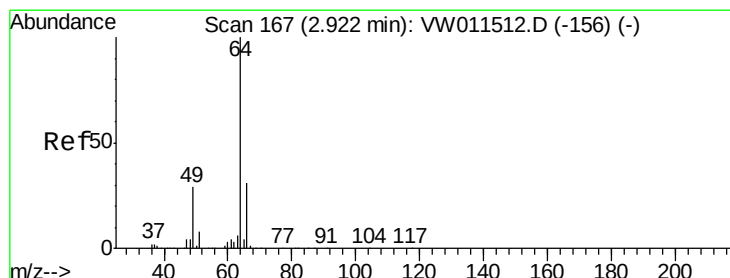
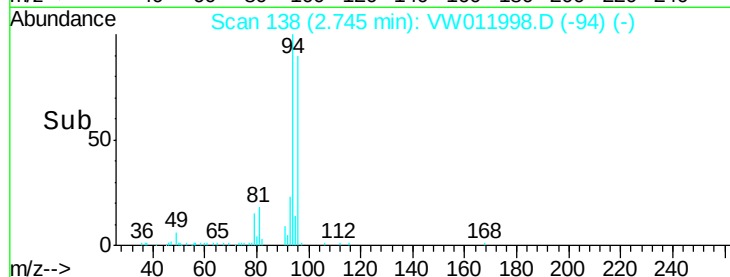
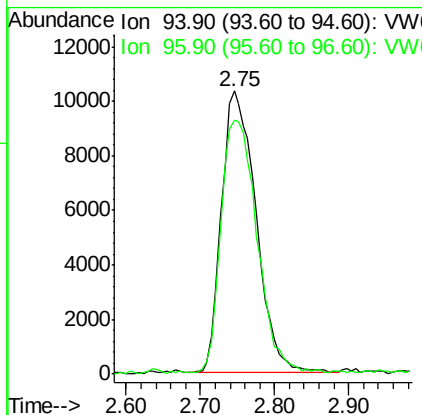
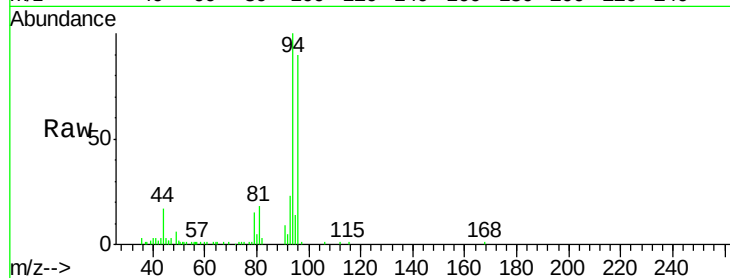
96 89.7 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 23.493 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011998.D

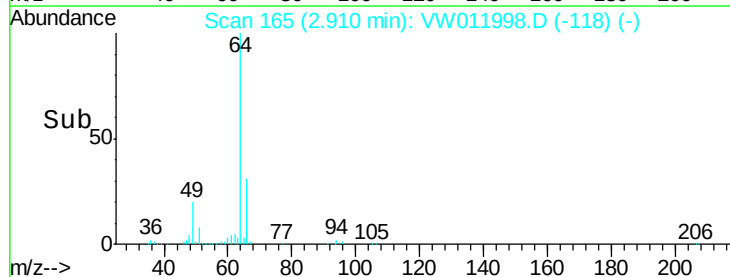
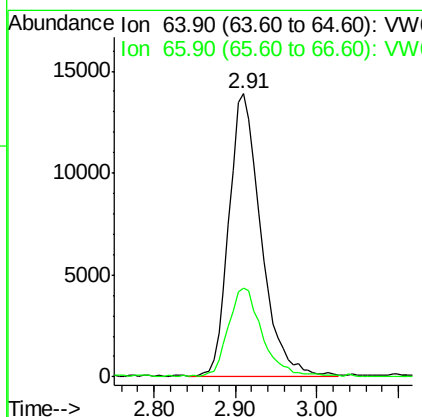
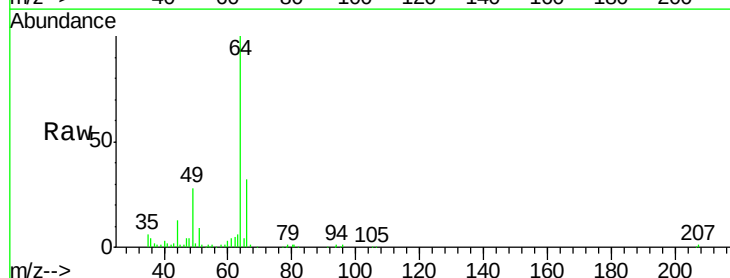
Acq: 19 Aug 2019 19:10

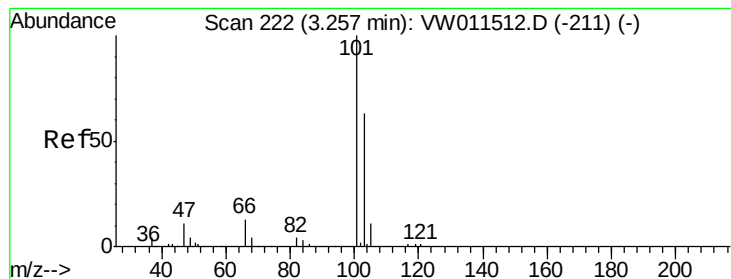
Tgt Ion: 64 Resp: 37877

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8





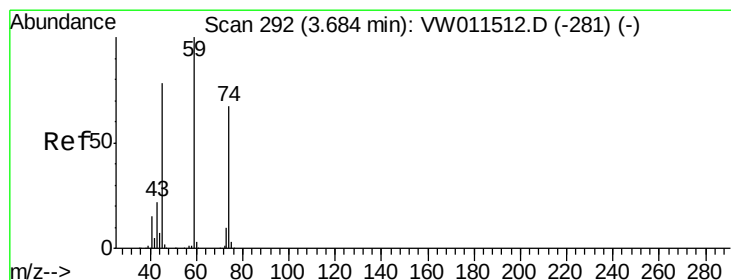
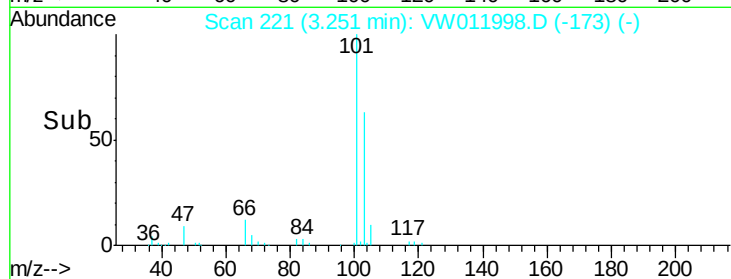
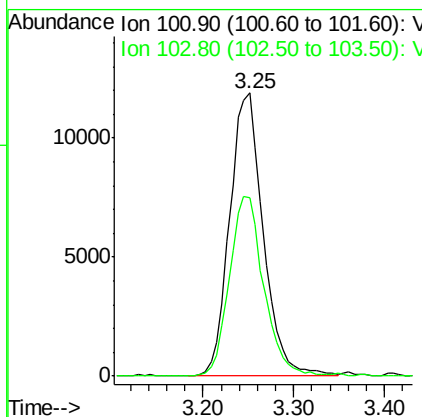
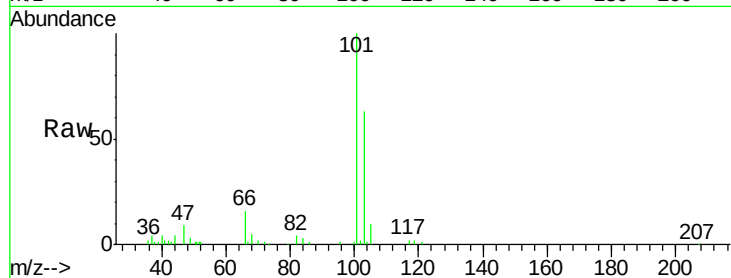
#7
 Trichlorofluoromethane
 Concen: 24.274 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
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 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	30619		
103	63.2	50.2	75.4	

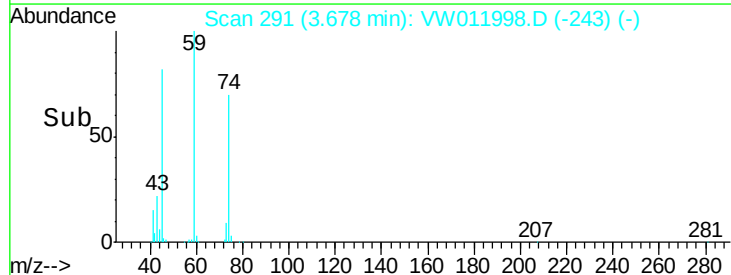
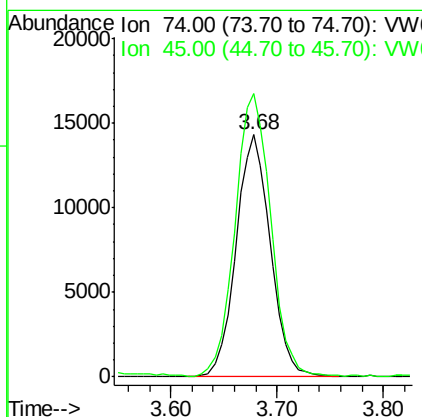
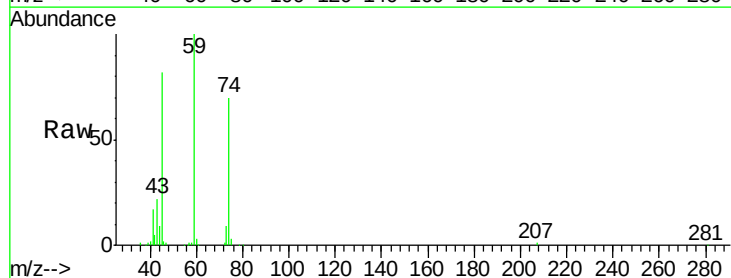
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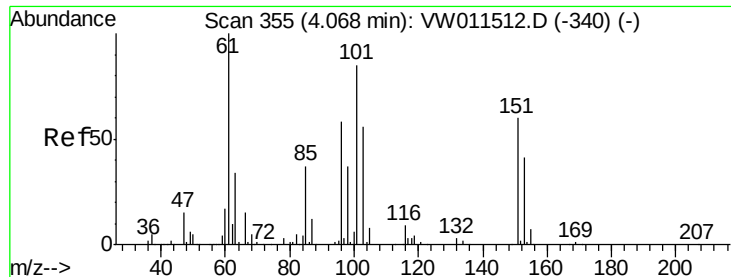
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 8/20/2019 9:55:42 AM



#8
 Diethyl Ether
 Concen: 22.609 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	32336		
45	122.2	59.6	178.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.157 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

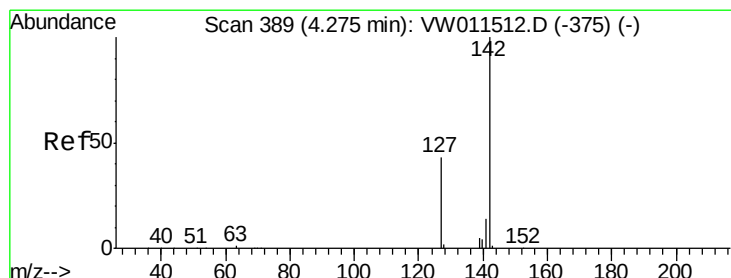
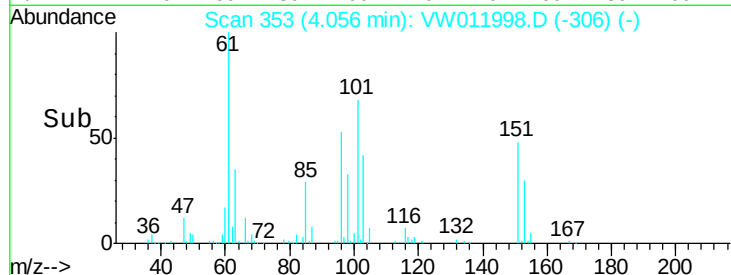
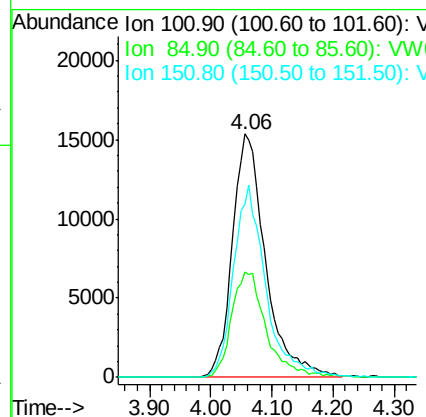
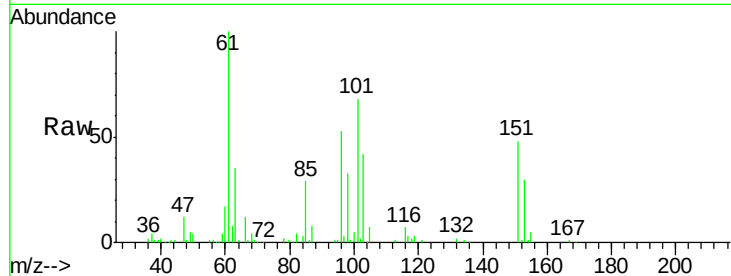
ClientSampleId :

VW0819SBS02

Tot Ion:	101	Resp:	57805
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	54.8
151	76.3	60.2	90.2

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#10

Methyl Iodide

Concen: 23.566 ug/l

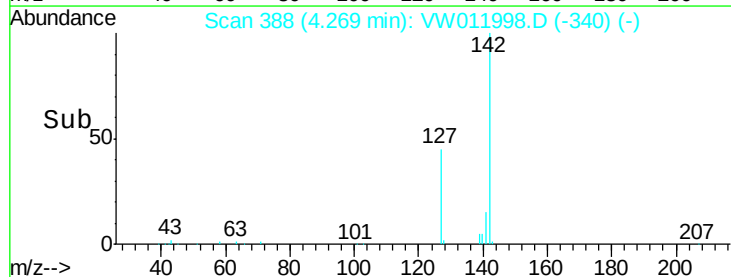
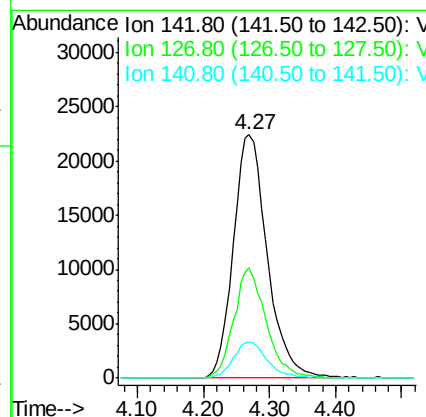
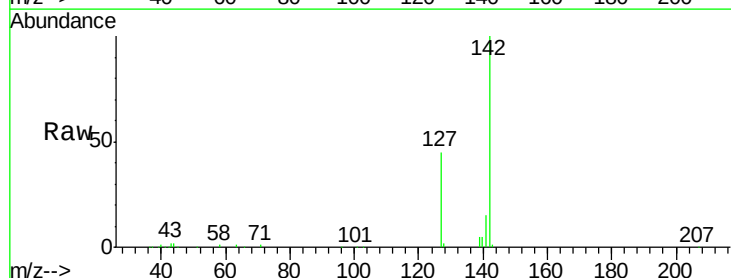
RT: 4.27 min Scan# 388

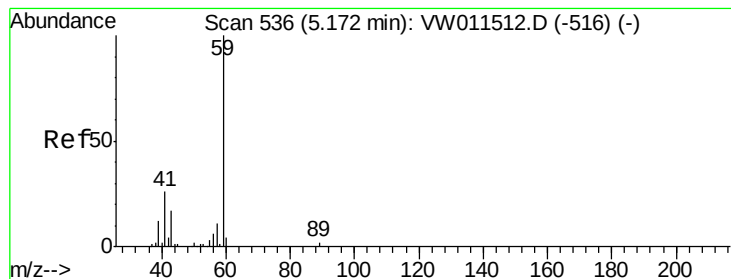
Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	142	Resp:	79691
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.0	52.6
141	14.9	11.9	17.9





#11

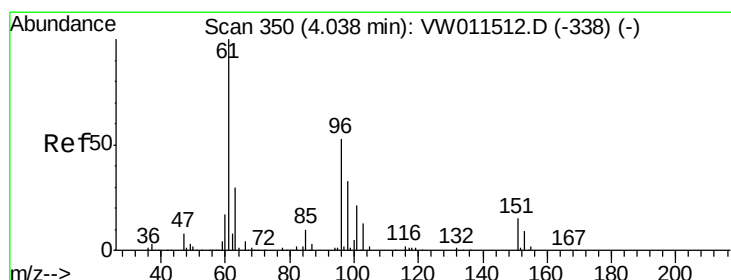
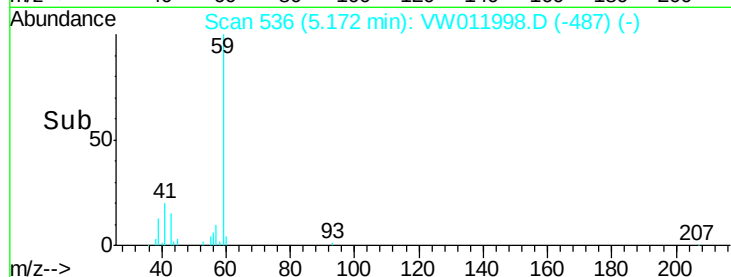
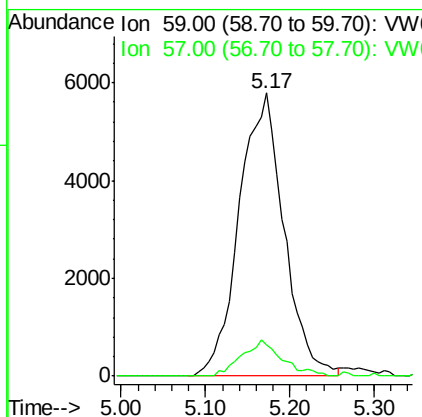
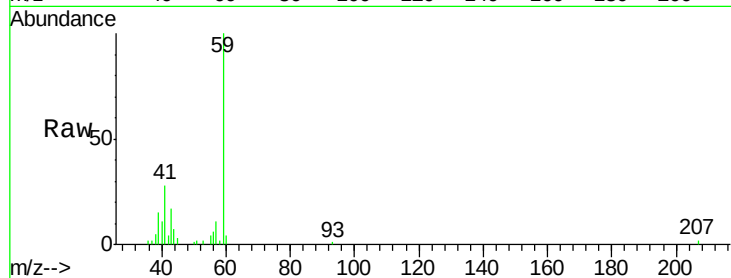
Tert butyl alcohol
 Concen: 90.632 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.5	12.7

Manual Integrations
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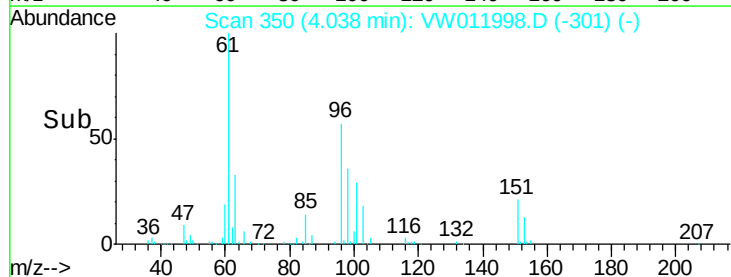
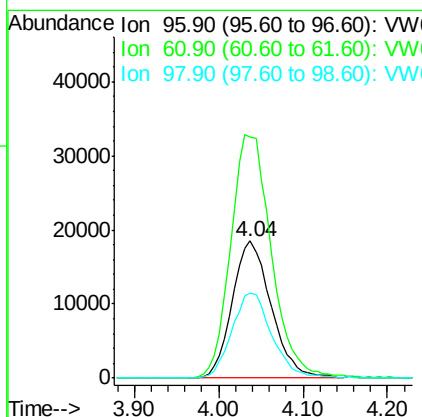
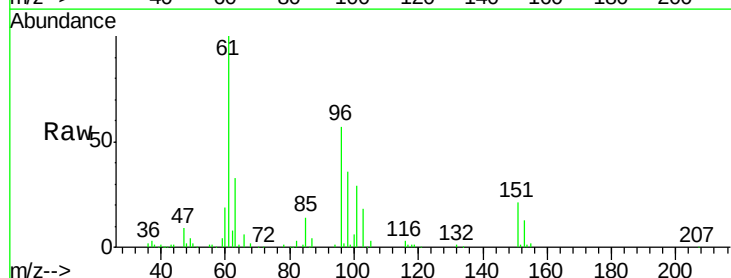
MMDadoda
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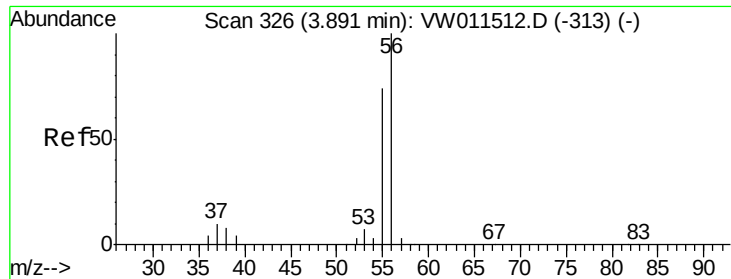


#12

1,1-Dichloroethene
 Concen: 23.039 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	149.9	224.9
98	62.3	49.1	73.7





#13

Acrolein

Concen: 62.828 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 56 Resp: 12558

Ion Ratio Lower Upper

56 100

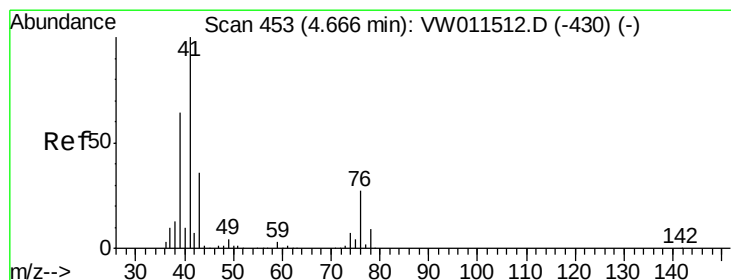
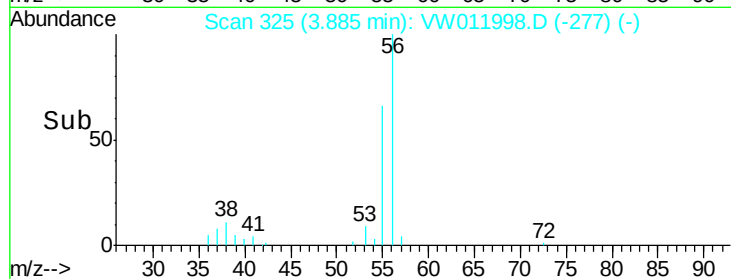
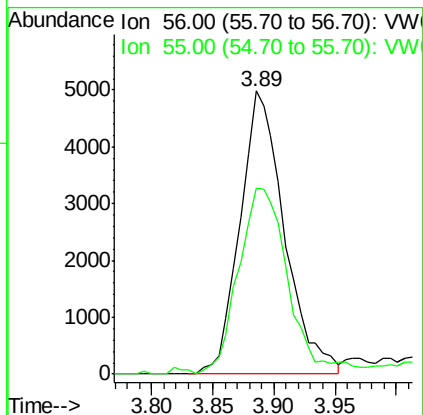
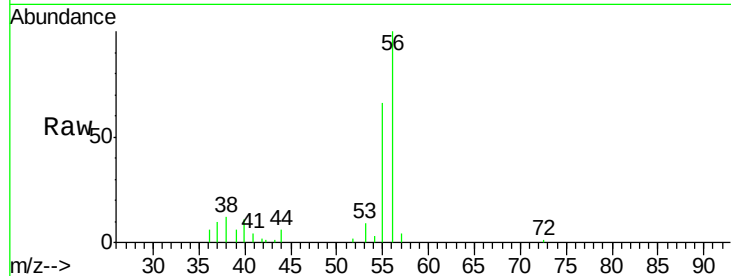
55 73.7 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 22.901 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

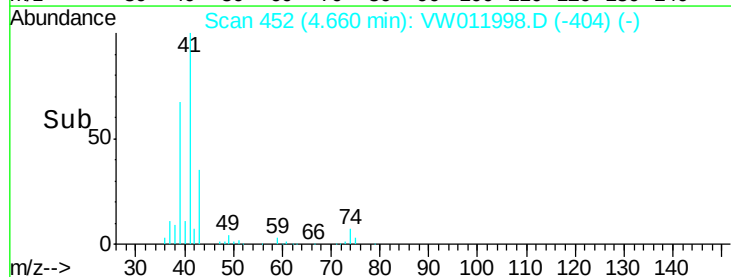
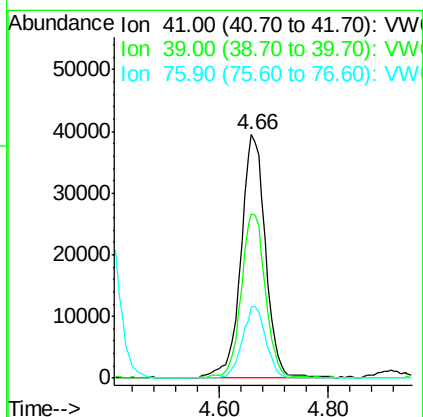
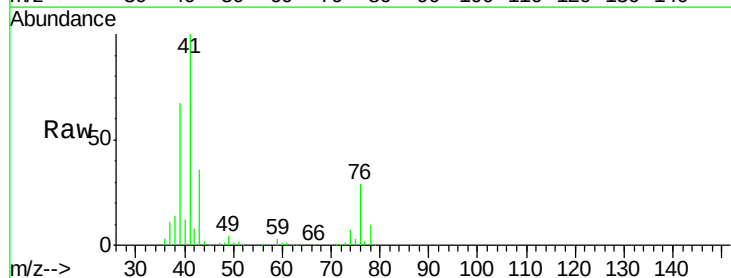
Tgt Ion: 41 Resp: 123063

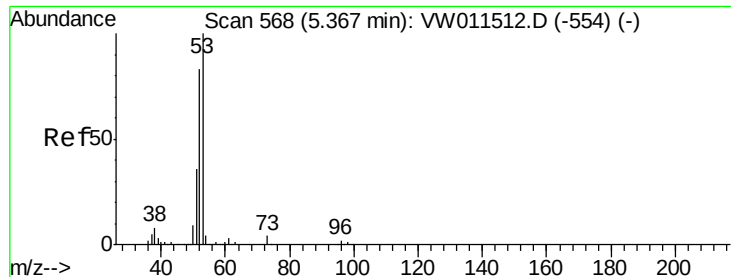
Ion Ratio Lower Upper

41 100

39 67.2 52.6 78.8

76 28.2 22.0 33.0





#15

Acrylonitrile

Concen: 115.316 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

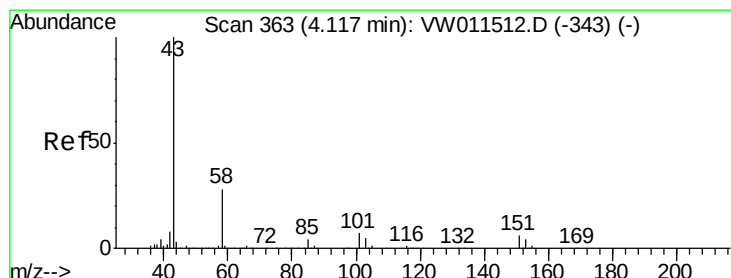
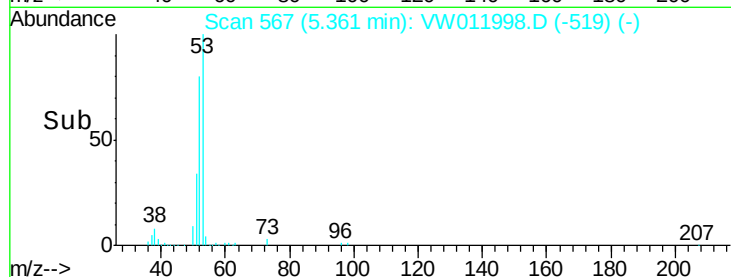
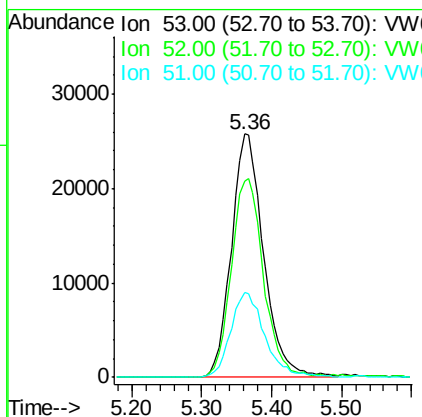
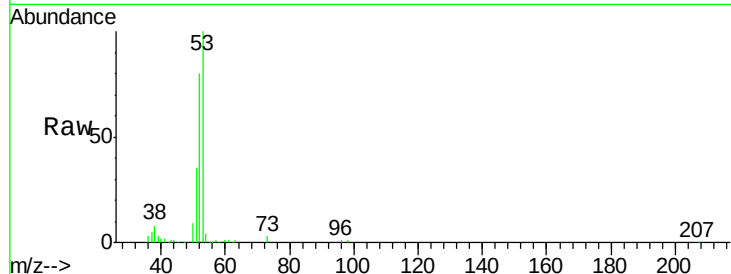
ClientSampleId :

VW0819SBS02

Tot Ion:	53	Resp:	82329
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.2	100.8
51	37.3	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 80.595 ug/l

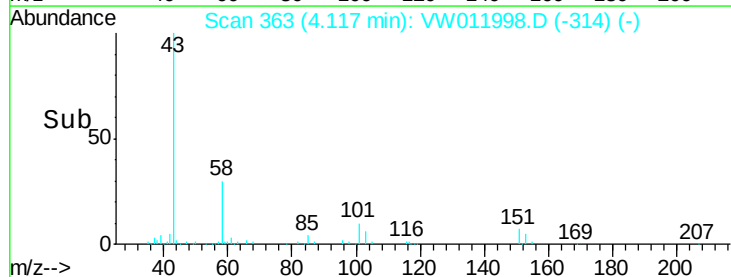
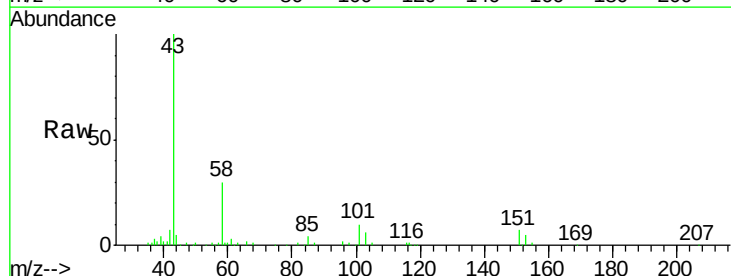
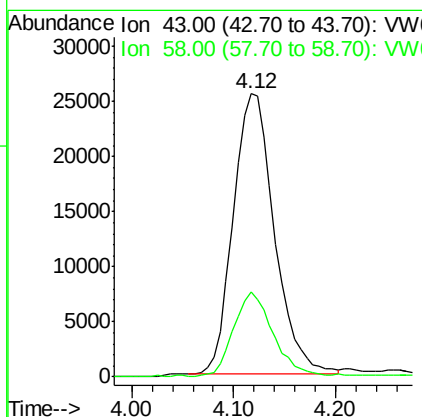
RT: 4.12 min Scan# 363

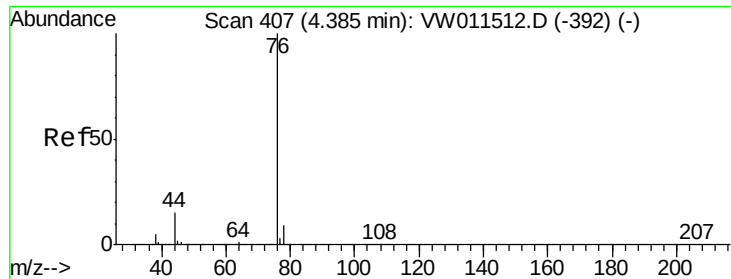
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	43	Resp:	71416
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.3	33.5





#17

Carbon Disulfide

Concen: 21.627 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 76 Resp: 171018

Ion Ratio Lower Upper

76 100

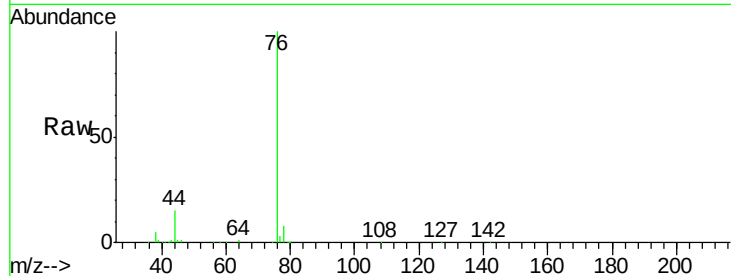
78 8.3 7.1 10.7

Manual Integrations

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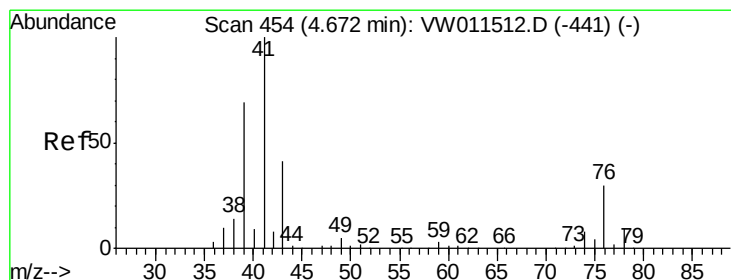
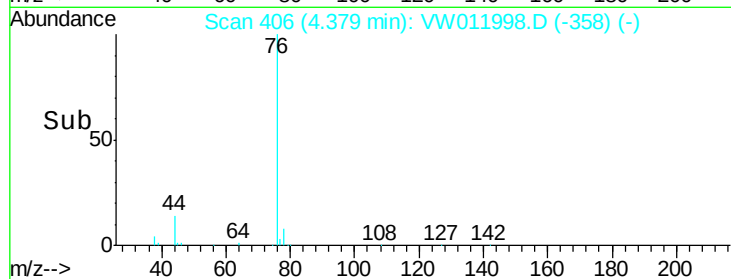
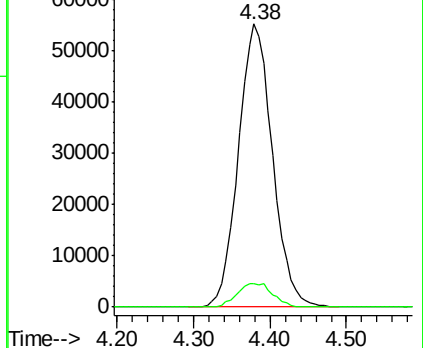
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.087 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW011998.D

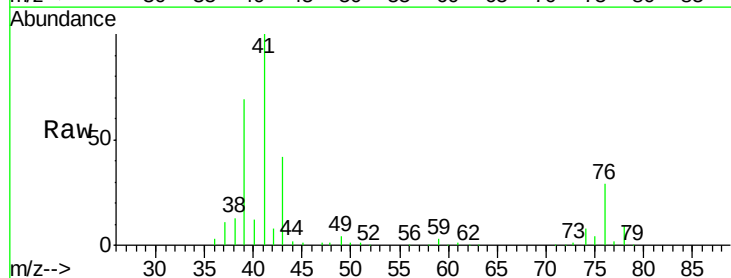
Acq: 19 Aug 2019 19:10

Tgt Ion: 43 Resp: 45958

Ion Ratio Lower Upper

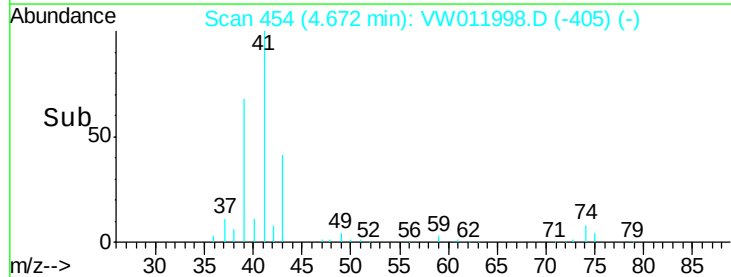
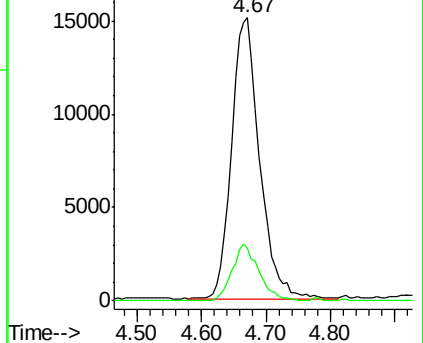
43 100

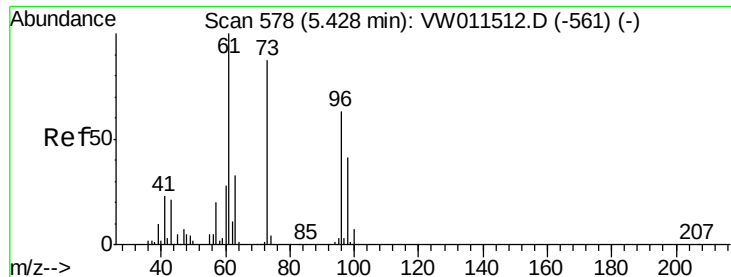
74 19.3 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





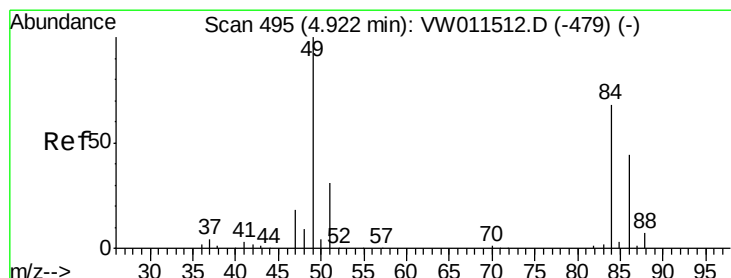
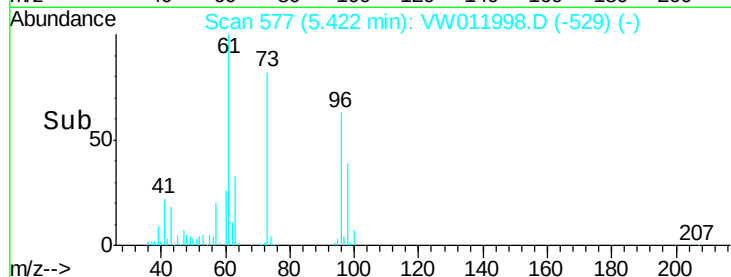
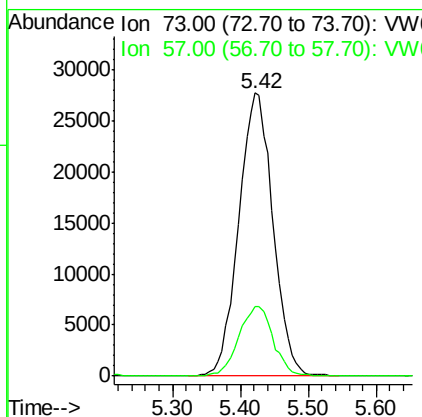
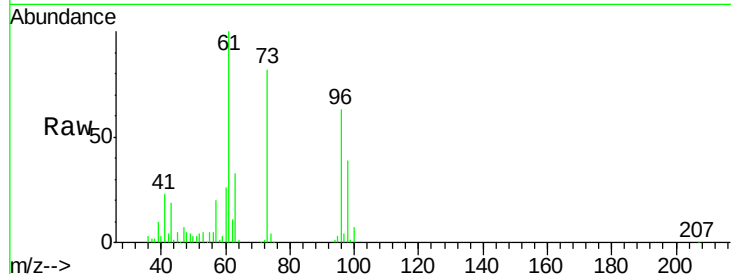
#19
Methyl tert-butyl Ether
Concen: 24.146 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion: 73 Resp: 96809
Ion Ratio Lower Upper
73 100
57 24.8 18.4 27.6

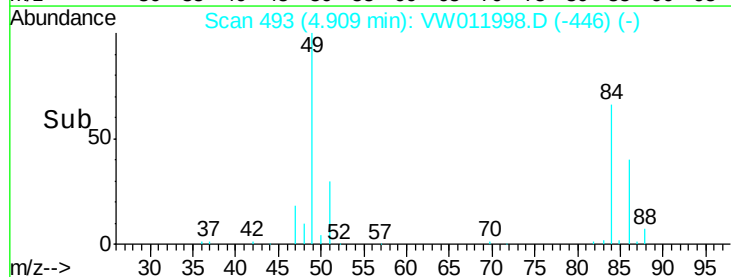
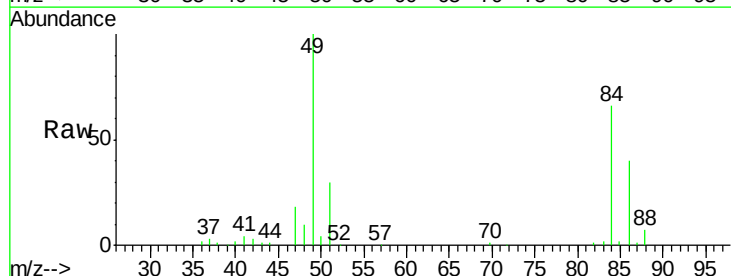
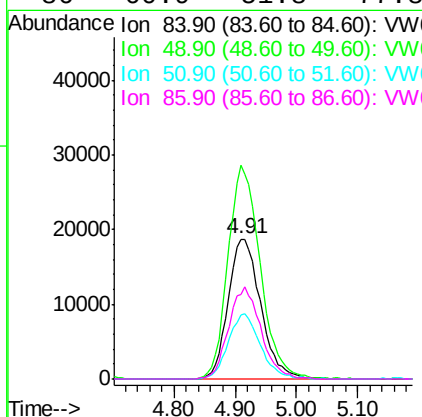
Manual Integrations
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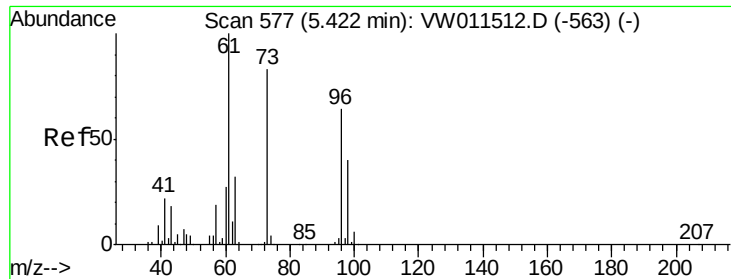
MMDadoda
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#20
Methylene Chloride
Concen: 22.537 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion: 84 Resp: 68873
Ion Ratio Lower Upper
84 100
49 152.7 117.8 176.6
51 45.8 37.0 55.4
86 60.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 23.504 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

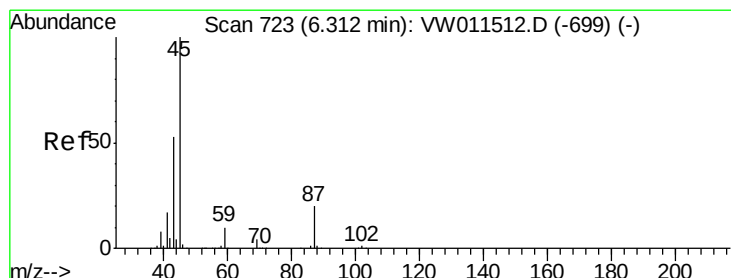
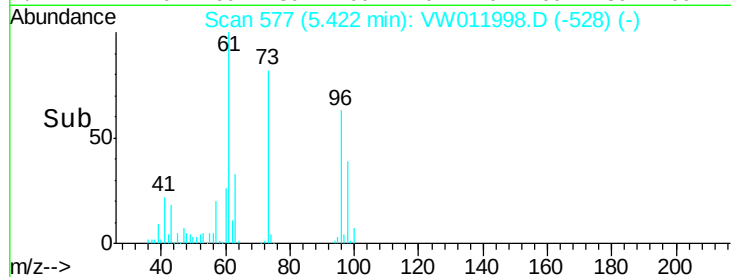
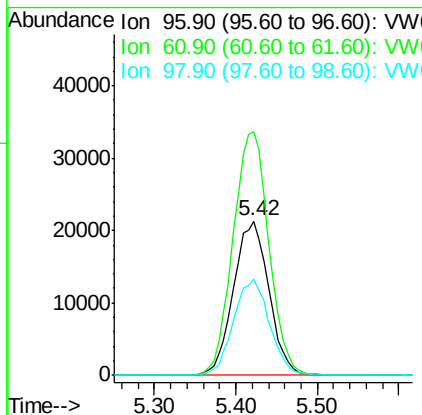
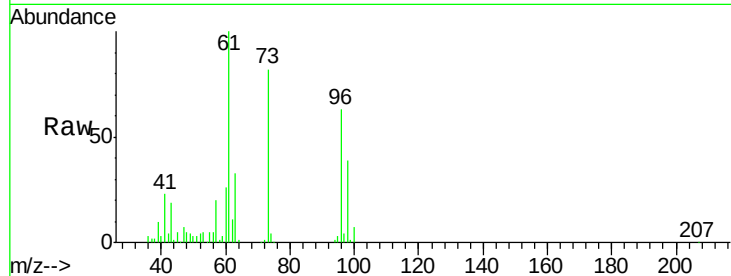
ClientSampleId :

VW0819SBS02

Tot Ion:	96	Resp:	64021
Ion	Ratio	Lower	Upper
96	100		
61	157.5	125.7	188.5
98	62.3	50.3	75.5

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#22

Diisopropyl ether

Concen: 23.699 ug/l

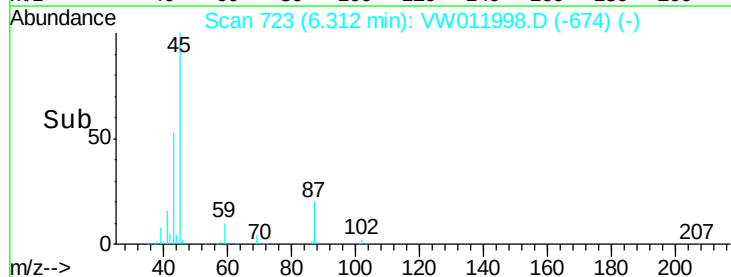
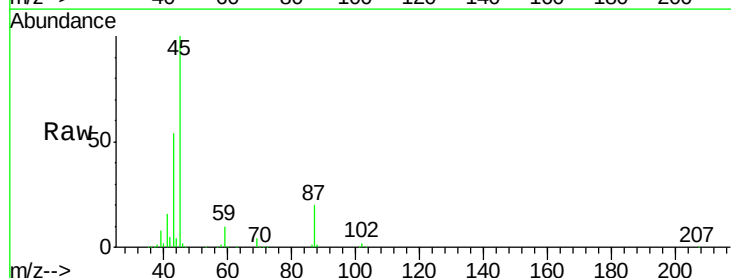
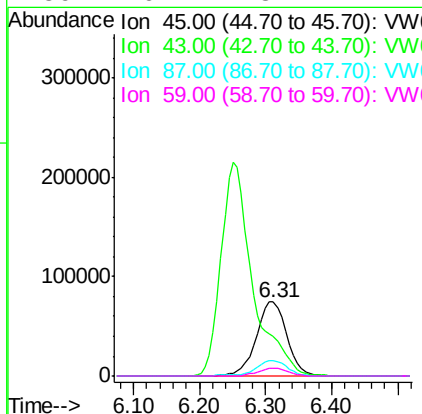
RT: 6.31 min Scan# 723

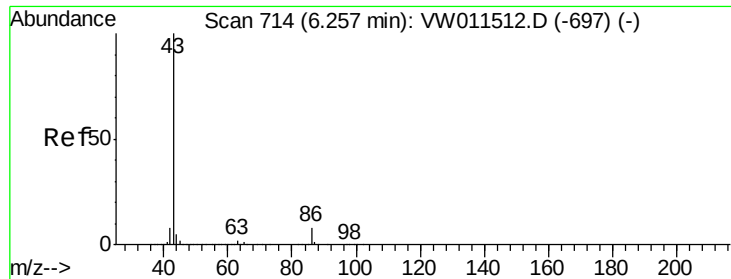
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	45	Resp:	240101
Ion	Ratio	Lower	Upper
45	100		
43	53.2	42.6	63.8
87	20.3	16.4	24.6
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 112.329 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 43 Resp: 715092

Ion Ratio Lower Upper

43 100

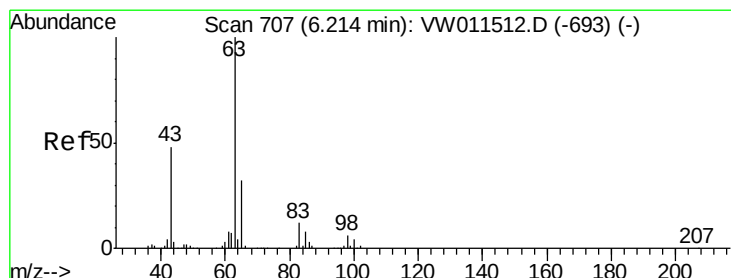
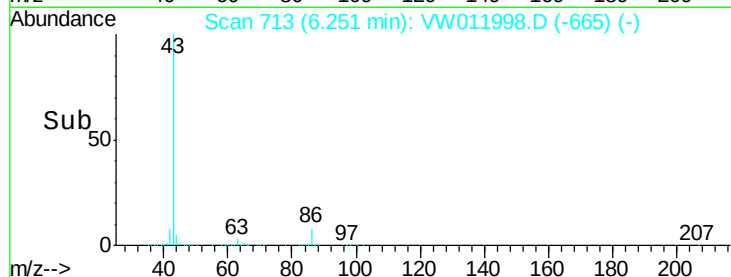
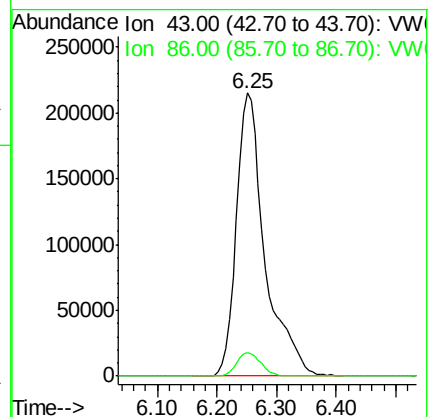
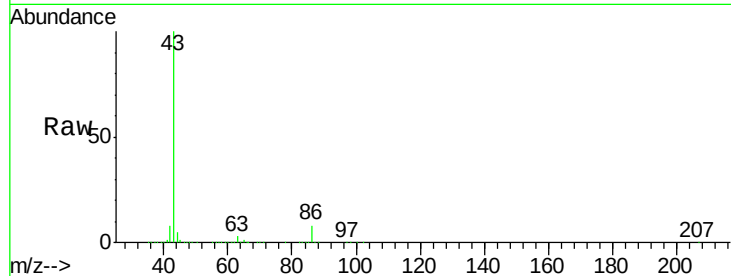
86 8.3 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.508 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

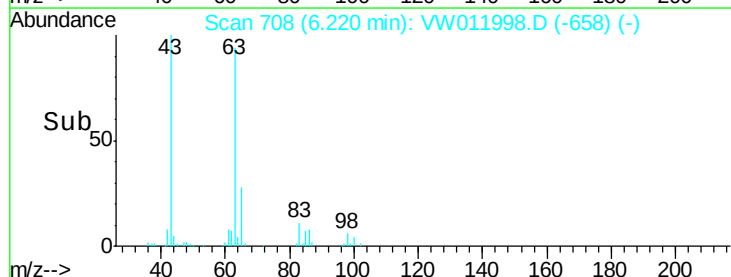
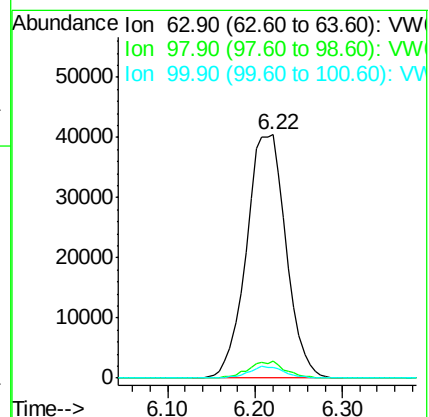
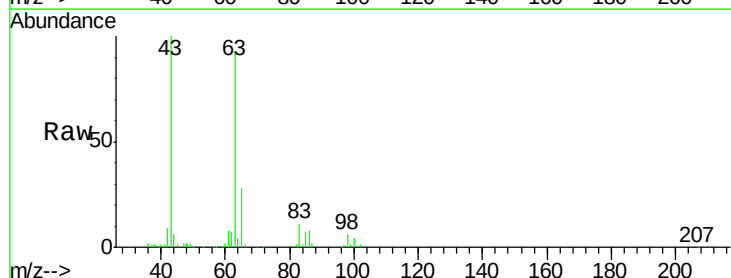
Tgt Ion: 63 Resp: 127554

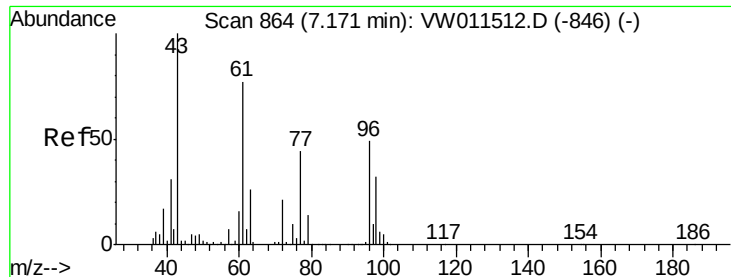
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 99.372 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

VW0819SBS02

Tot Ion: 43 Resp: 115222

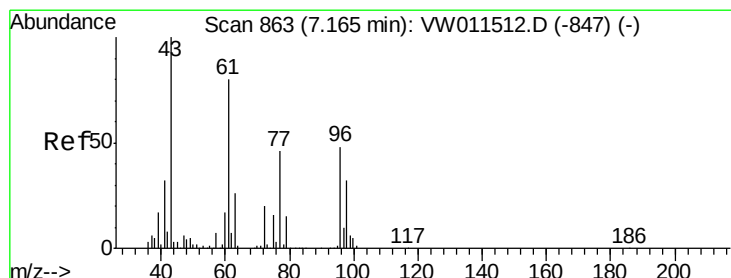
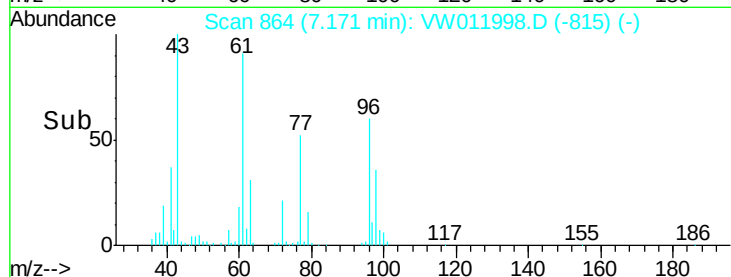
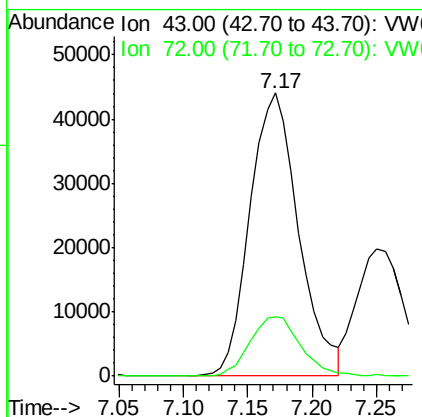
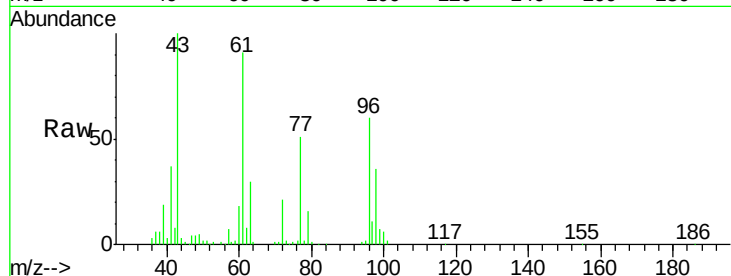
Ion Ratio Lower Upper

43 100

72 21.0 16.6 24.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.490 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011998.D

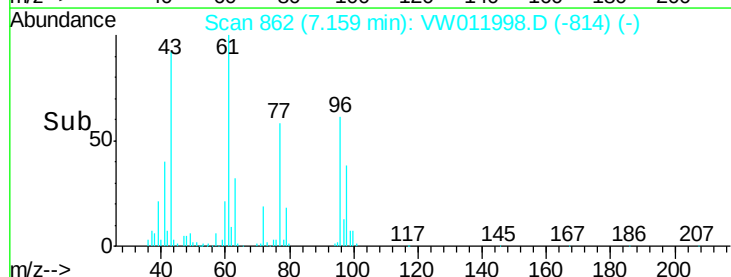
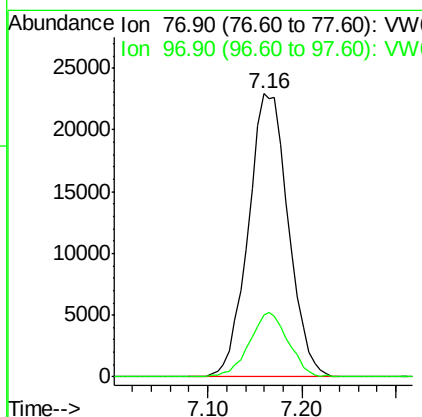
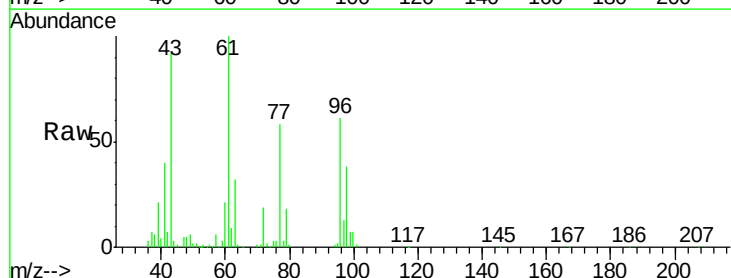
Acq: 19 Aug 2019 19:10

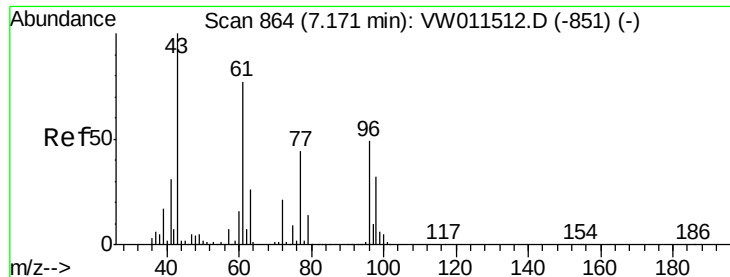
Tgt Ion: 77 Resp: 68375

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.4





#27

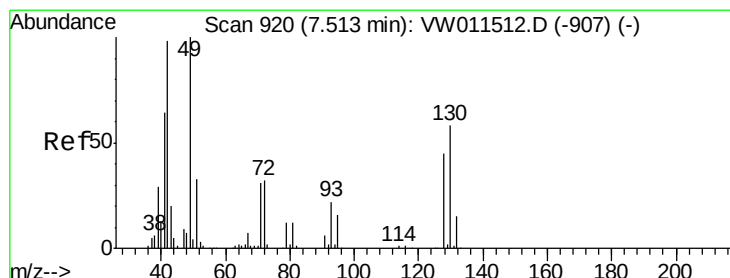
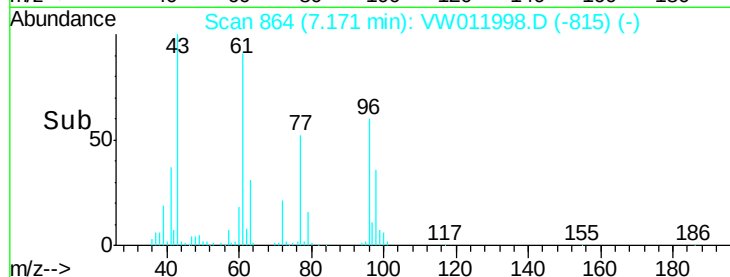
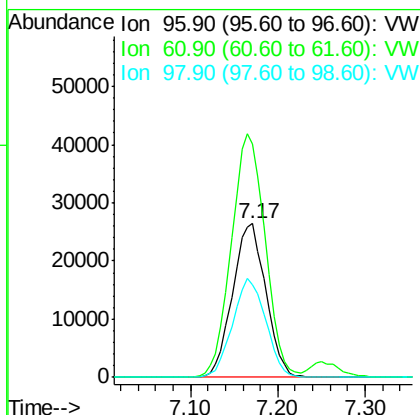
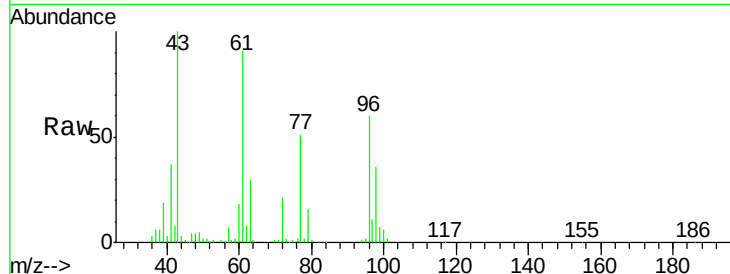
cis-1,2-Dichloroethene
Concen: 23.333 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	328.4
98	64.3	0.0	128.8

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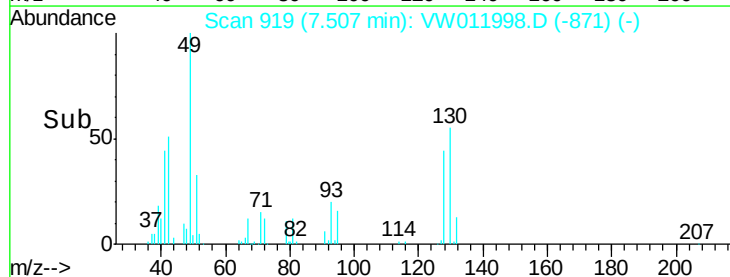
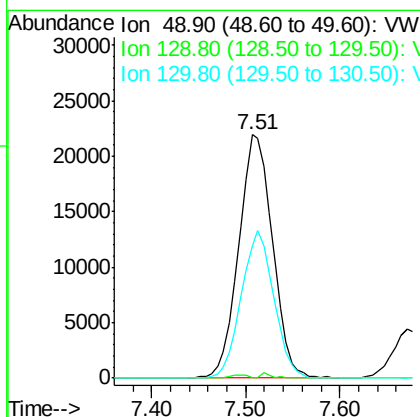
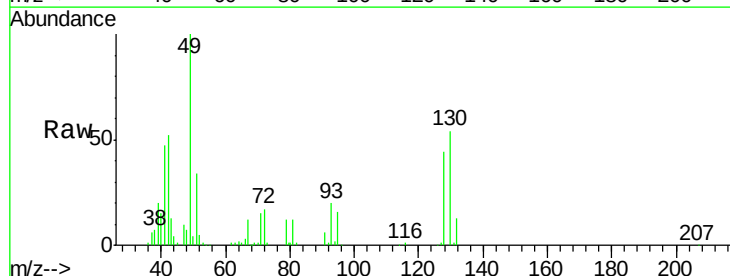
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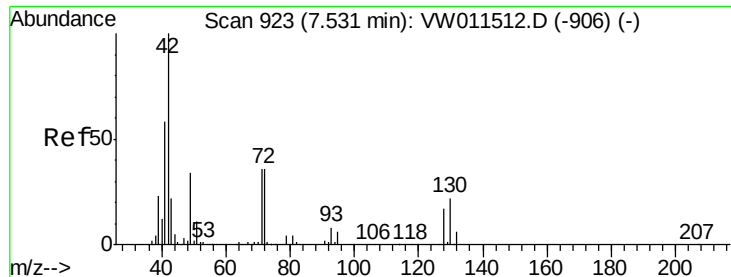


#28

Bromochloromethane
Concen: 22.706 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	58.5	46.3	69.5





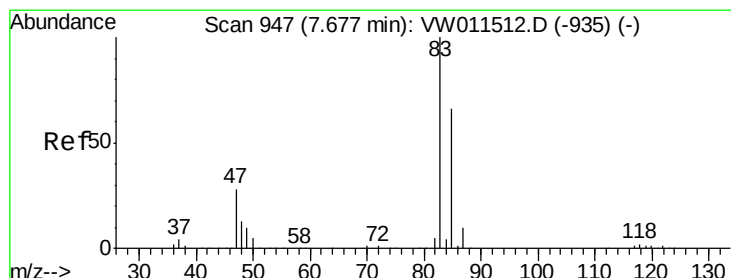
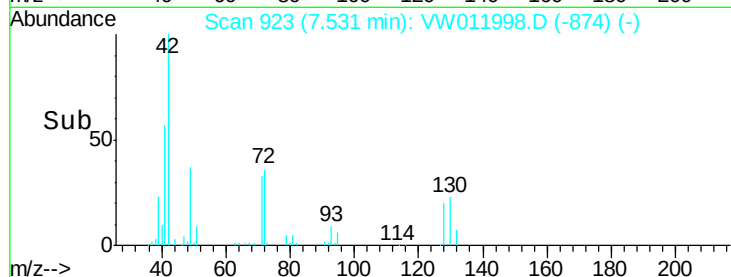
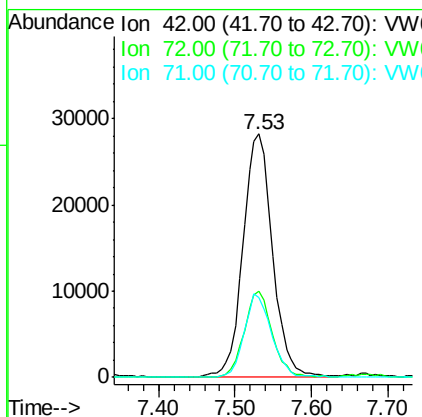
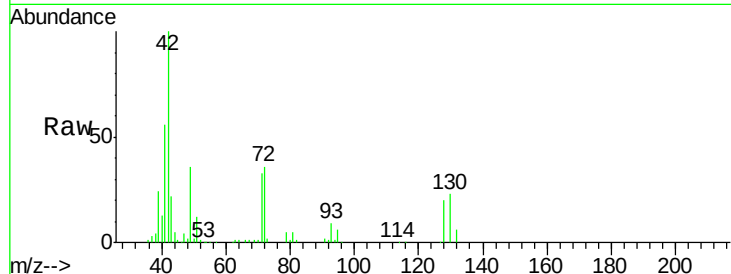
#29
Tetrahydrofuran
Concen: 114.805 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.1	40.7
71	31.6	26.2	39.4

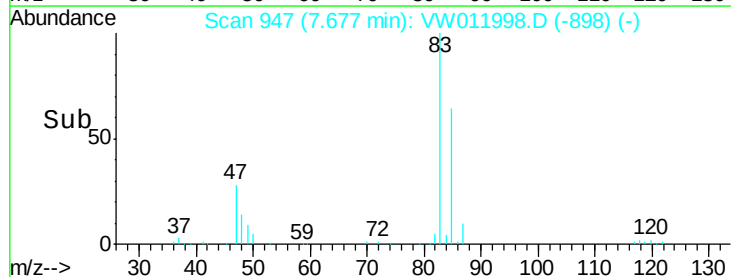
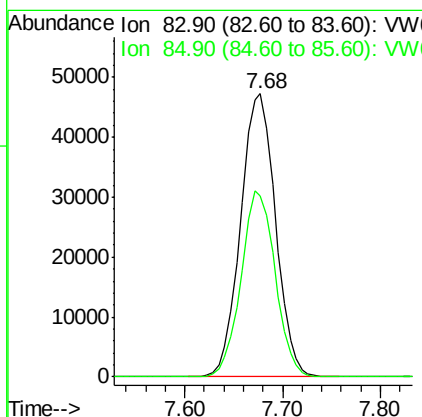
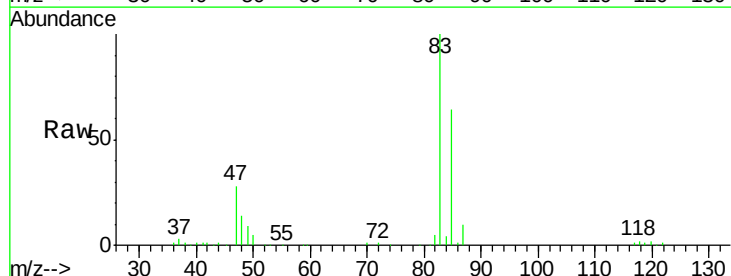
Manual Integrations
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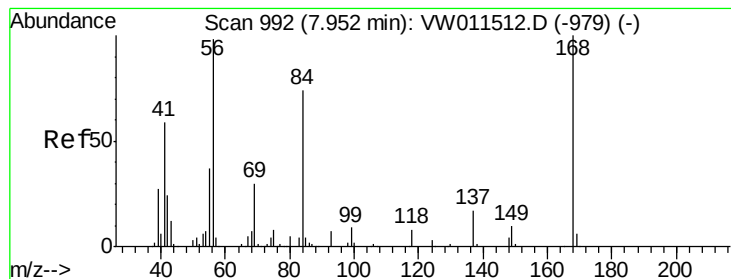
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8/20/2019 9:55:42 AM



#30
Chloroform
Concen: 23.422 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7





#31

Cyclohexane

Concen: 23.054 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

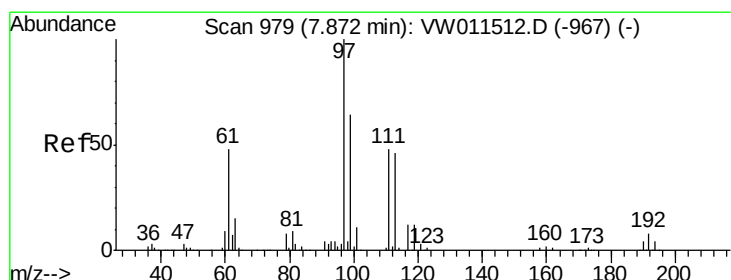
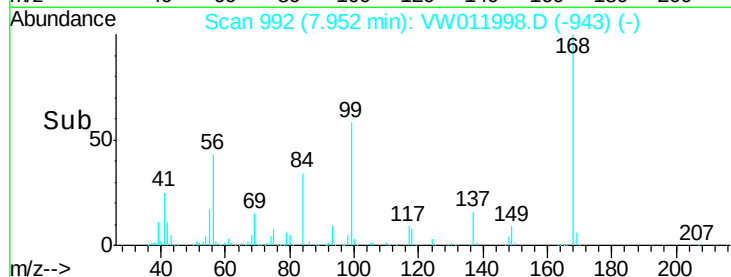
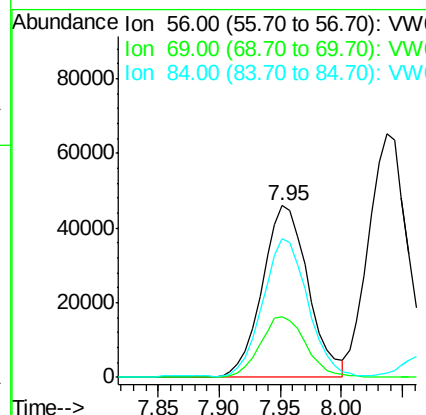
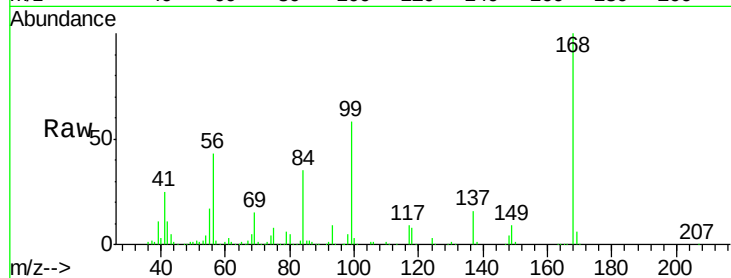
ClientSampleId :

VW0819SBS02

Tot Ion:	56	Resp:	120074
Ion Ratio	Lower	Upper	
56	100		
69	34.9	24.3	36.5
84	79.5	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 24.166 ug/l

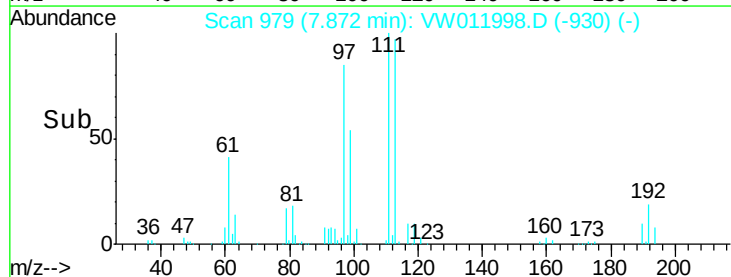
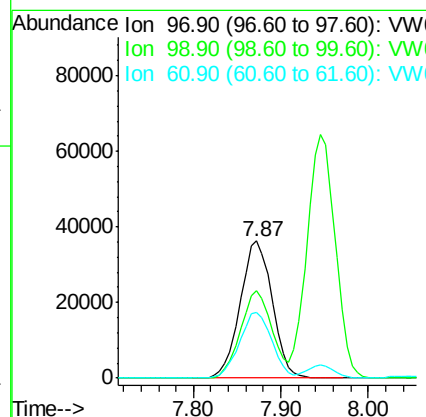
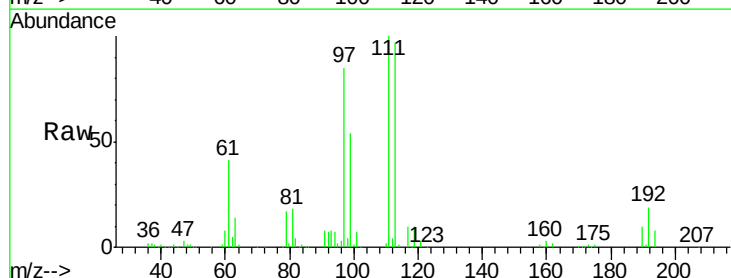
RT: 7.87 min Scan# 979

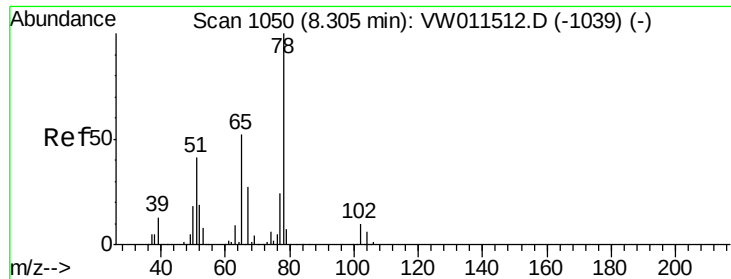
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	97	Resp:	92127
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.0	76.6
61	48.5	39.8	59.6





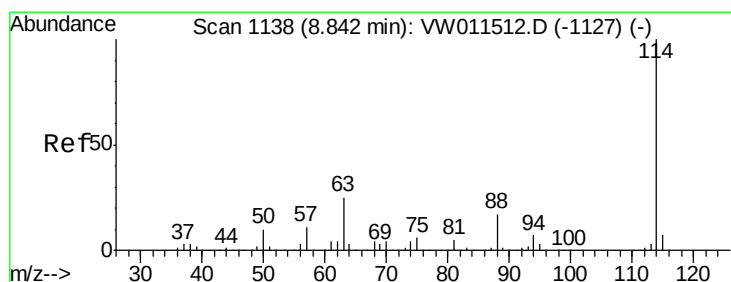
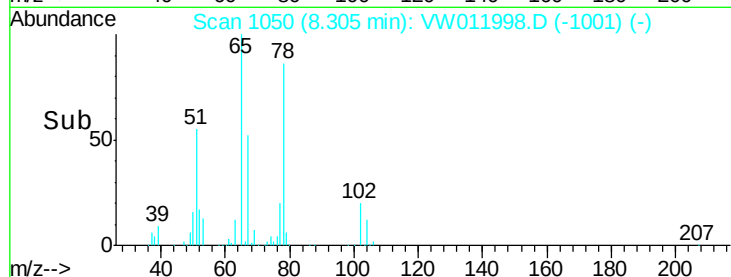
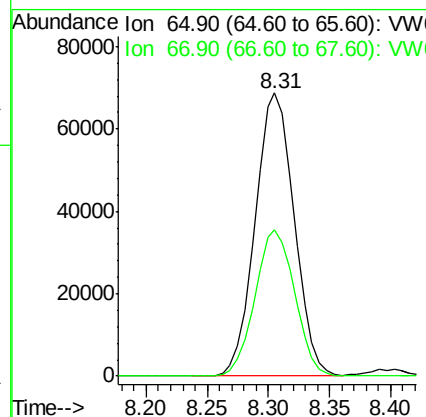
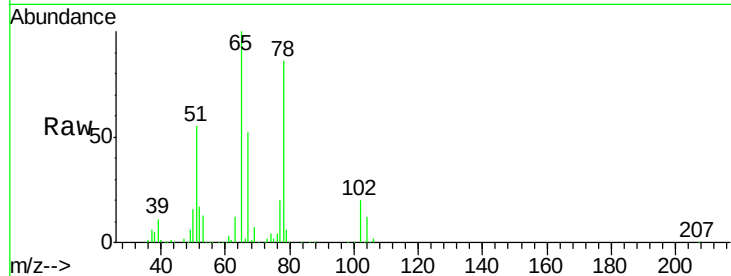
#33
 1,2-Dichloroethane-d4
 Concen: 54.823 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152716		
67	52.5	0.0	105.2	

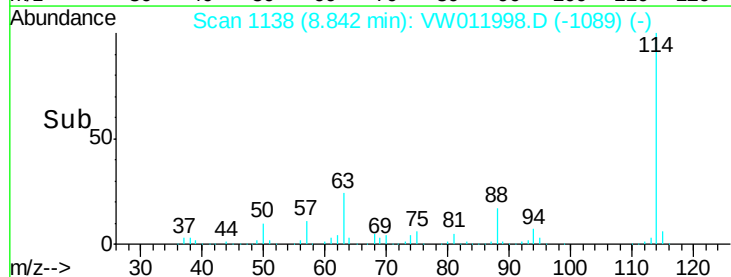
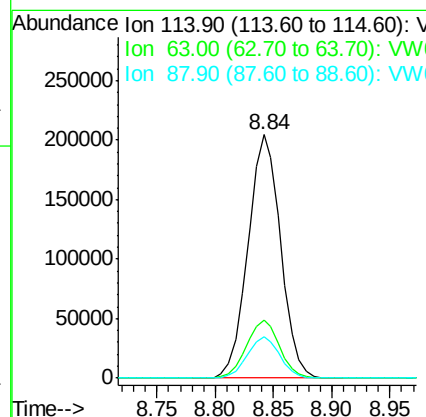
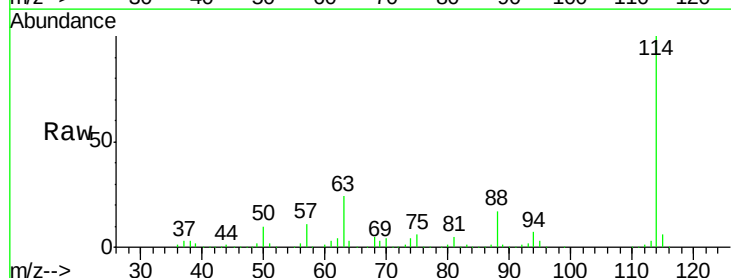
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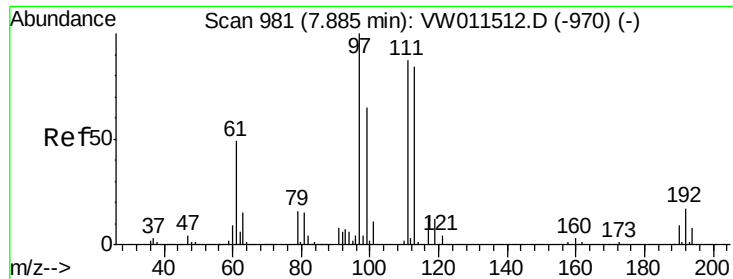
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398654		
63	23.9	0.0	49.2	
88	17.0	0.0	33.8	





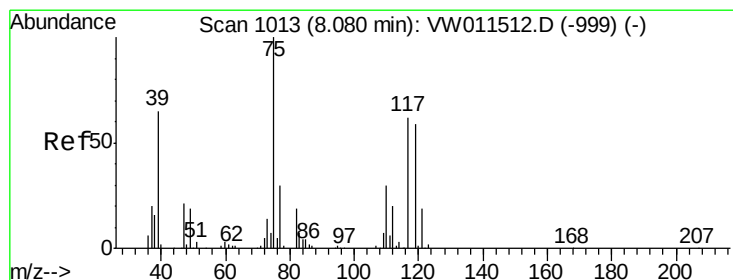
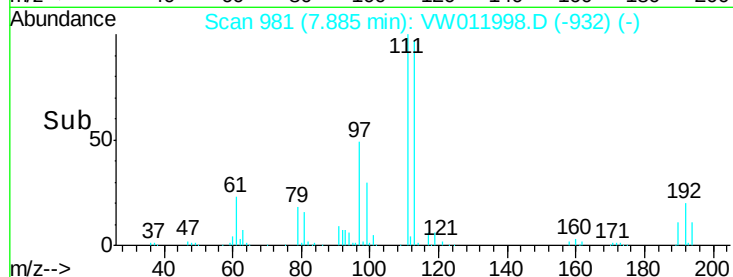
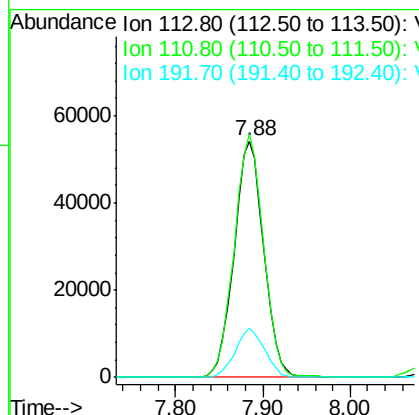
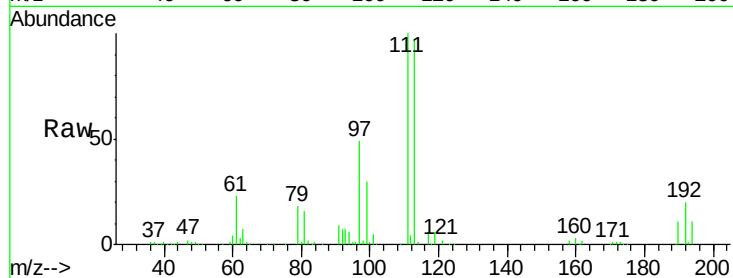
#35
 Dibromofluoromethane
 Concen: 56.979 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127434		
111	101.7	82.7	124.1	
192	20.5	16.1	24.1	

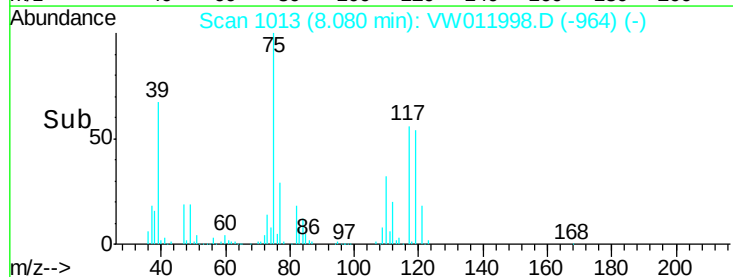
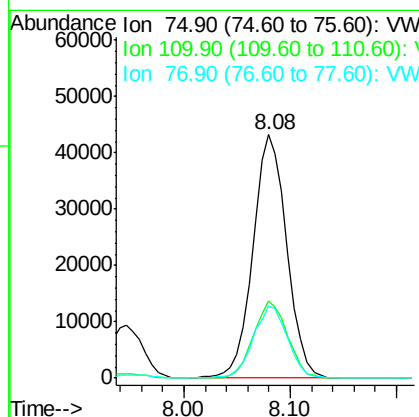
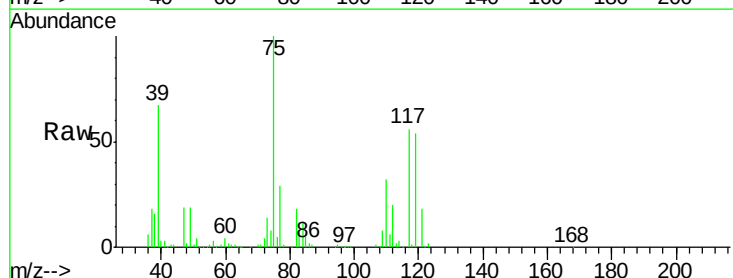
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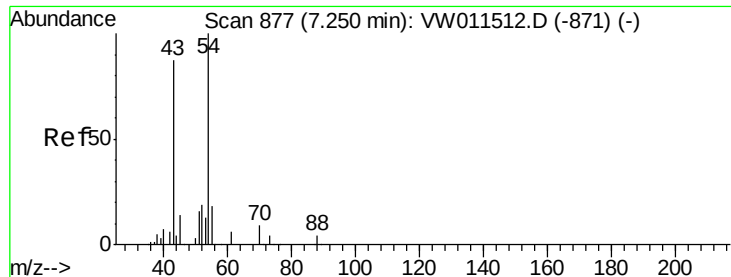
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#36
 1,1-Dichloropropene
 Concen: 23.166 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96029		
110	31.9	15.6	46.8	
77	30.6	24.3	36.5	





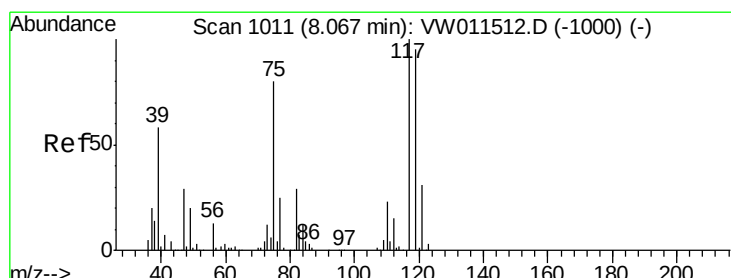
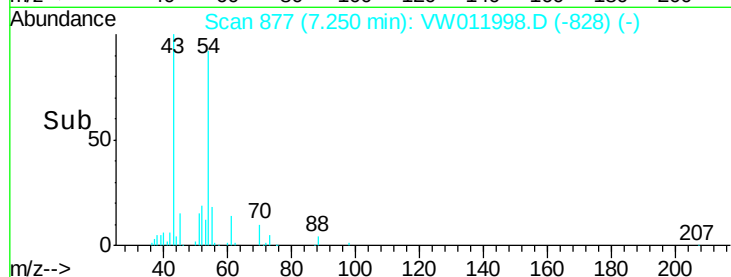
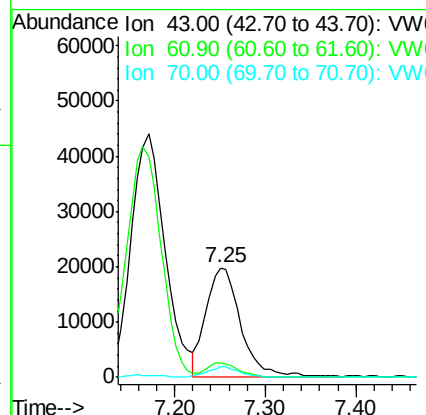
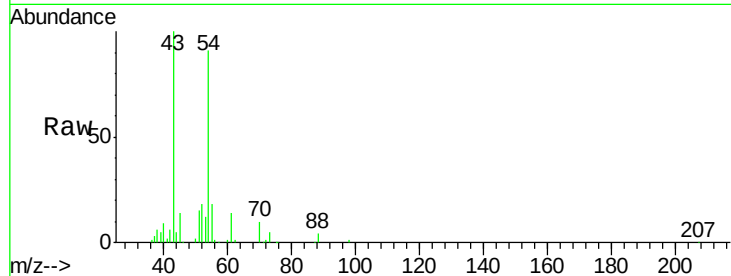
#37
Ethyl Acetate
Concen: 21.957 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	8.8	13.2
70	9.2	7.1	10.7

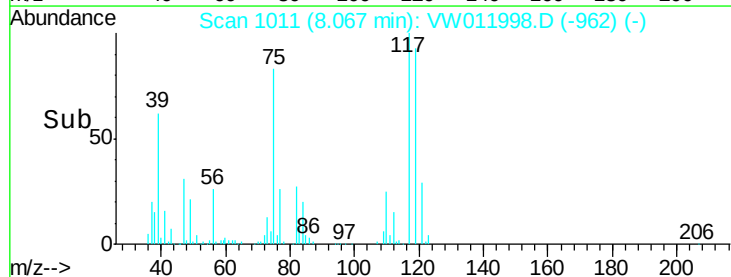
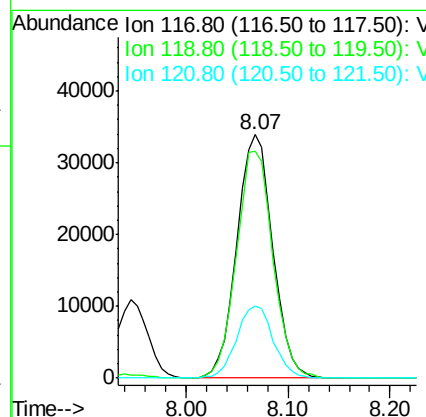
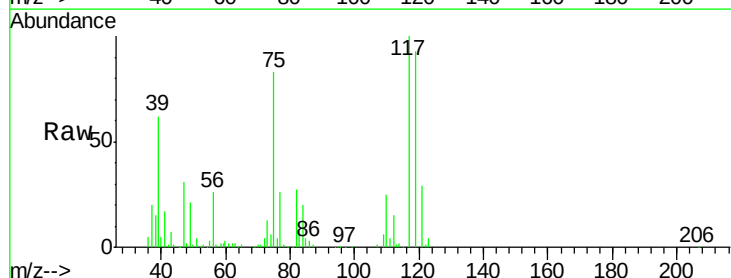
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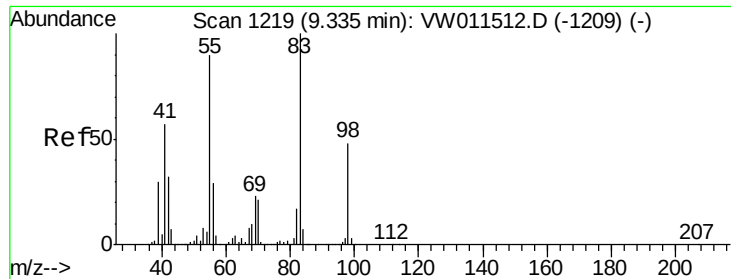
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#38
Carbon Tetrachloride
Concen: 23.276 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.8	113.6
121	29.4	24.7	37.1





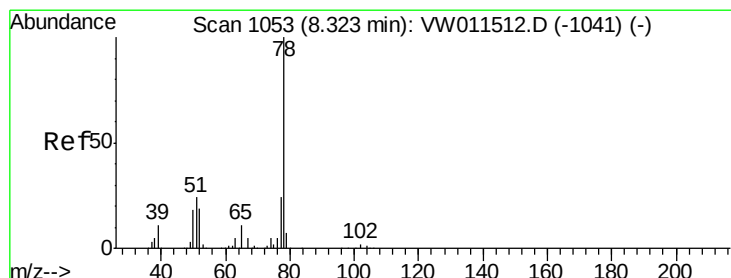
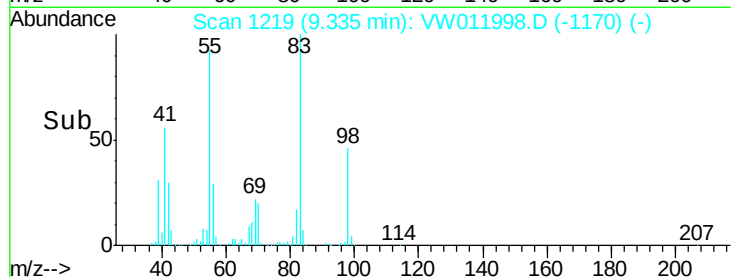
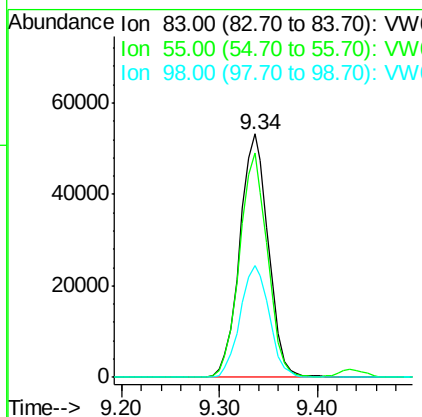
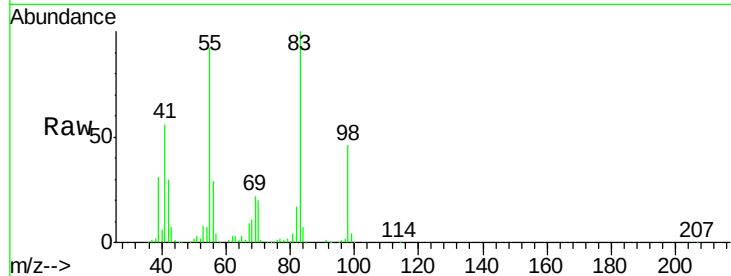
#39
Methylvlcyclohexane
Concen: 23.628 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.3	72.1	108.1
98	45.7	38.6	57.8

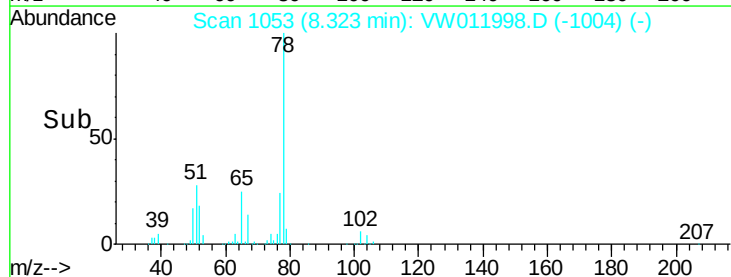
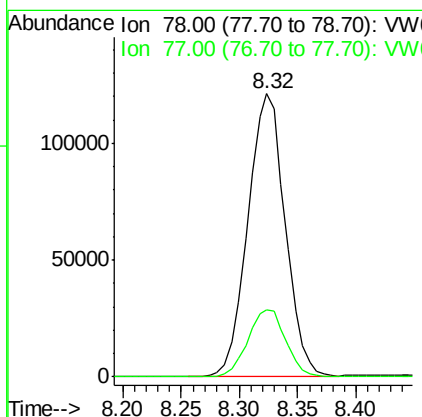
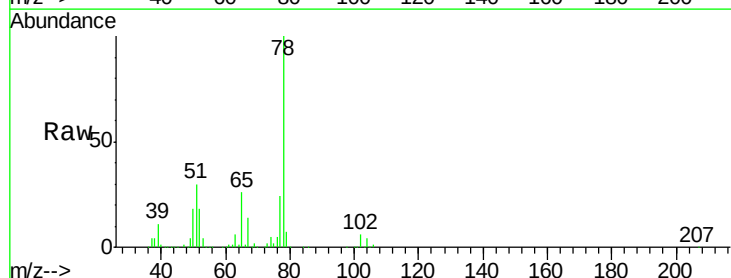
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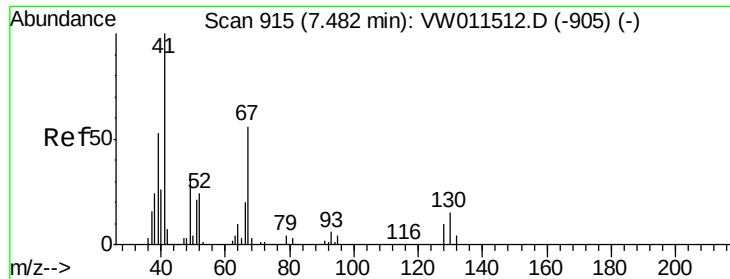
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#40
Benzene
Concen: 23.193 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





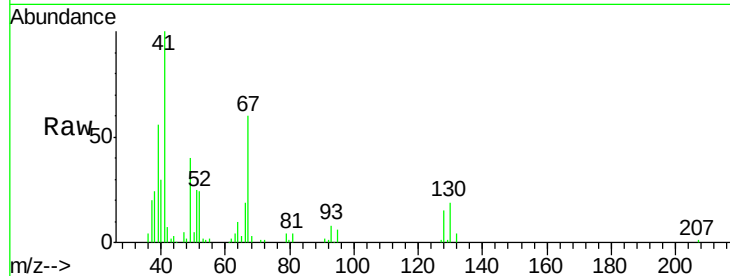
#41
Methacrylonitrile
Concen: 24.100 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

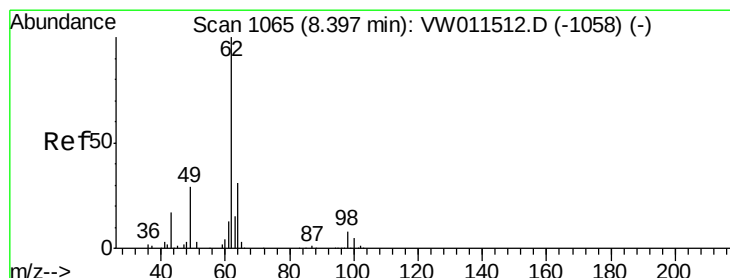
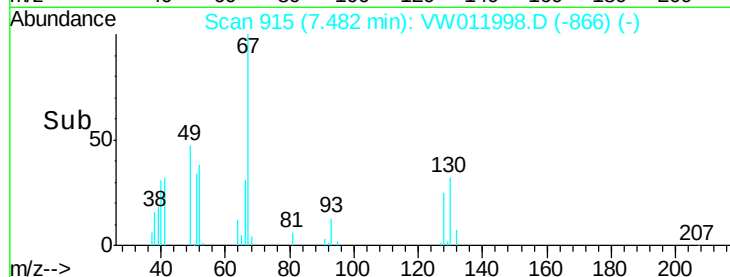
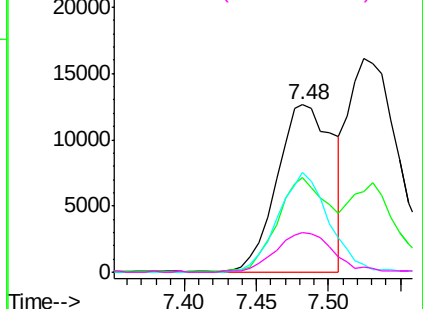
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		34357		
39	51.1	43.0	64.4		
67	54.4	47.5	71.3		
52	24.5	21.0	31.6		

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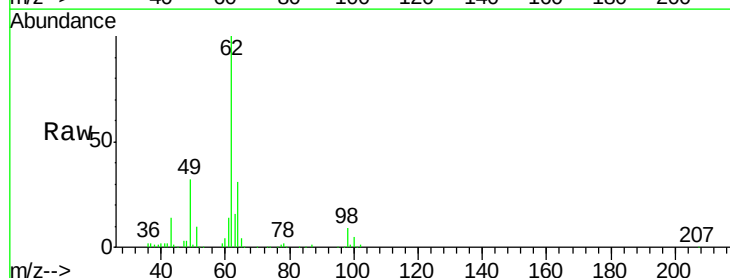


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

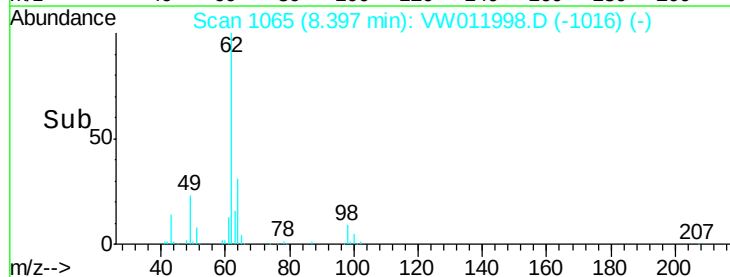
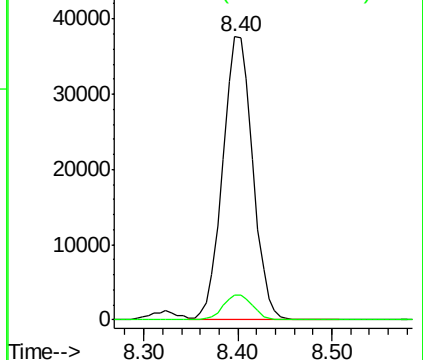


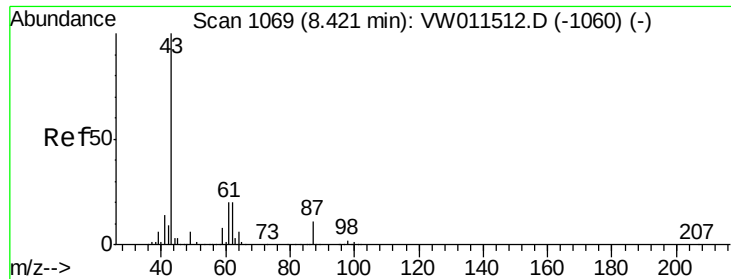
#42
1,2-Dichloroethane
Concen: 22.914 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		83298		
98	8.6	0.0	16.8		



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





#43

Isopropyl Acetate

Concen: 22.395 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

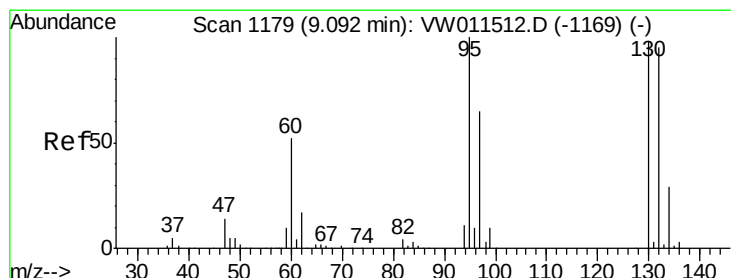
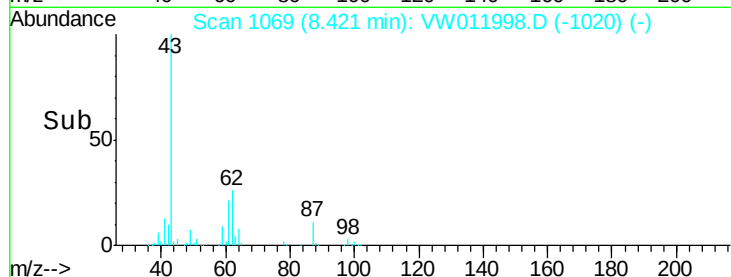
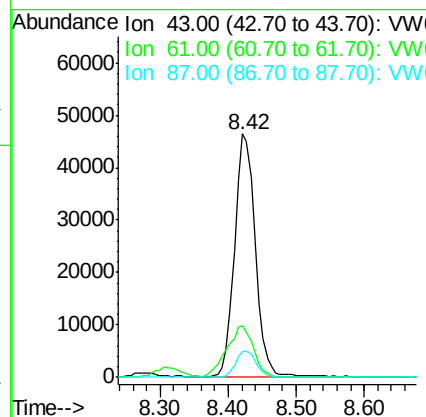
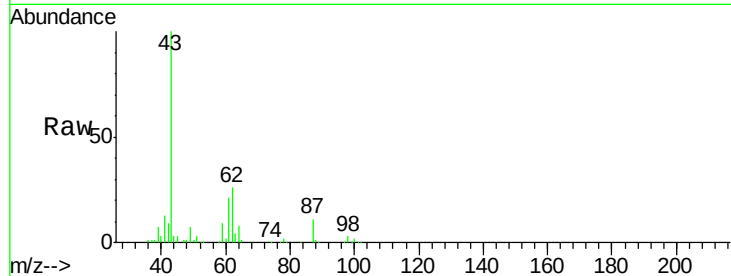
ClientSampleId :

VW0819SBS02

Tot Ion:	43	Resp:	98224
Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.5	32.3
87	10.7	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 23.566 ug/l

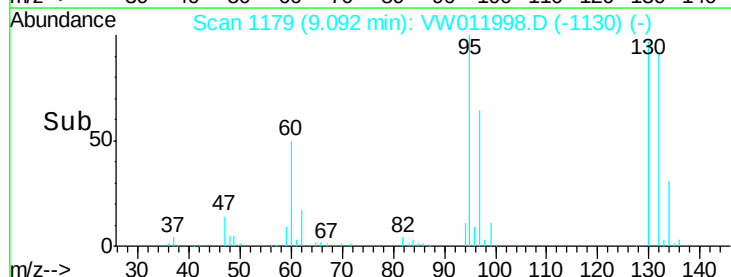
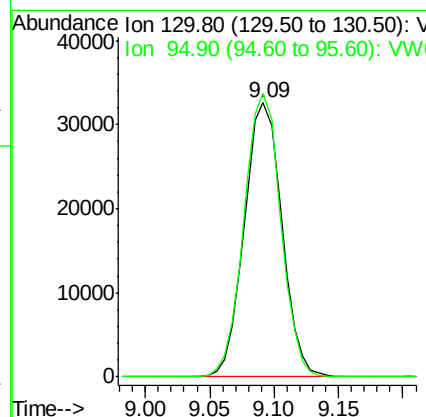
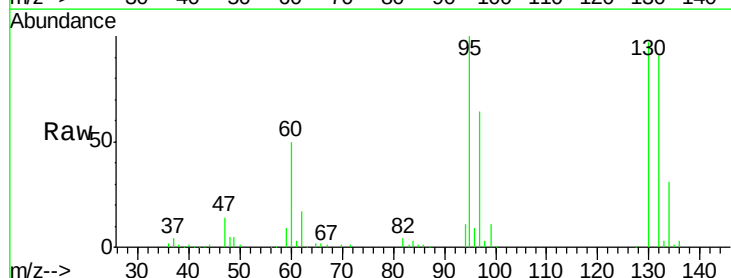
RT: 9.09 min Scan# 1179

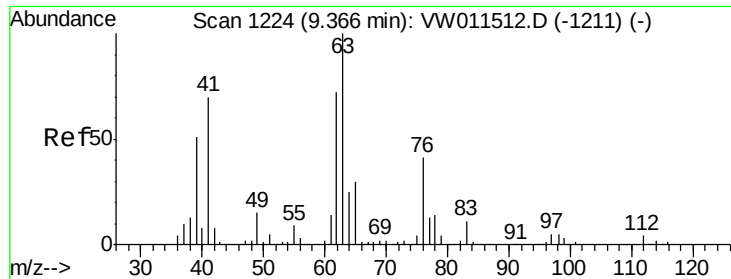
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	130	Resp:	65766
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	204.8





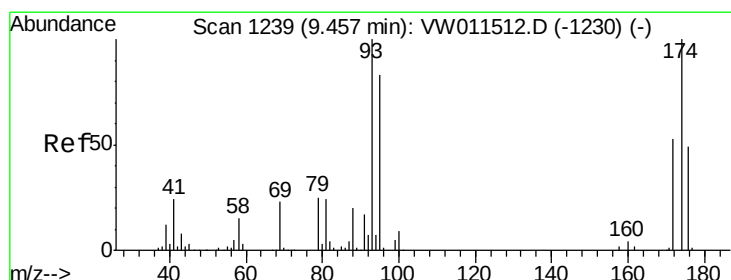
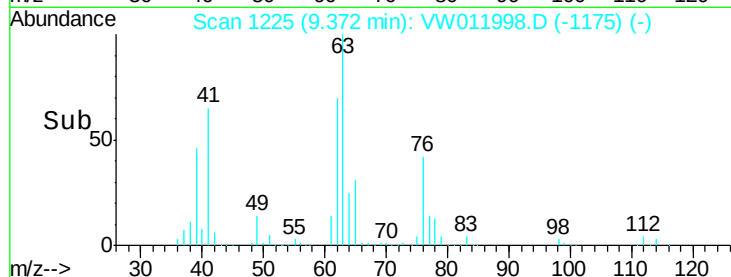
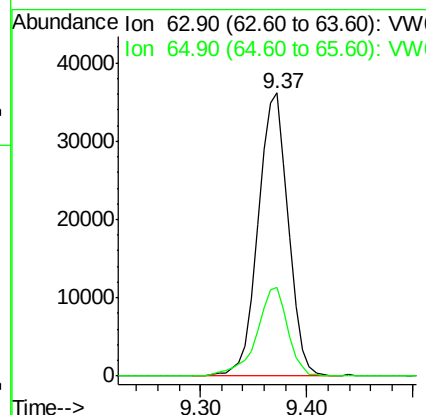
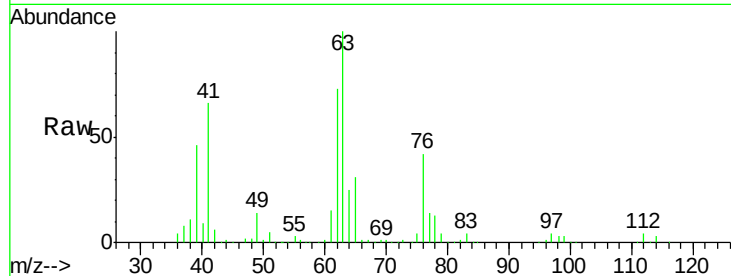
#45
 1,2-Dichloropropane
 Concen: 23.091 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion: 63 Resp: 71738
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4

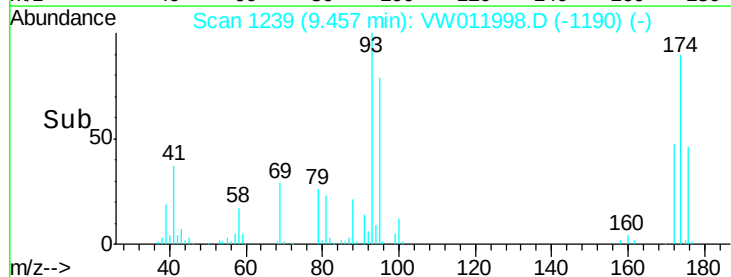
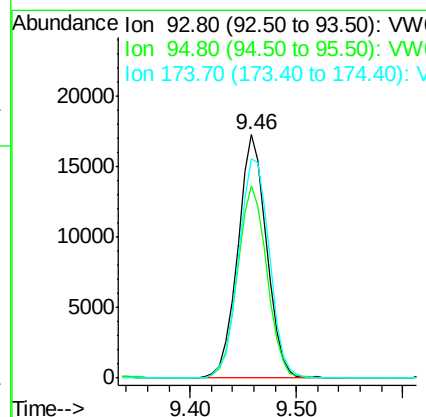
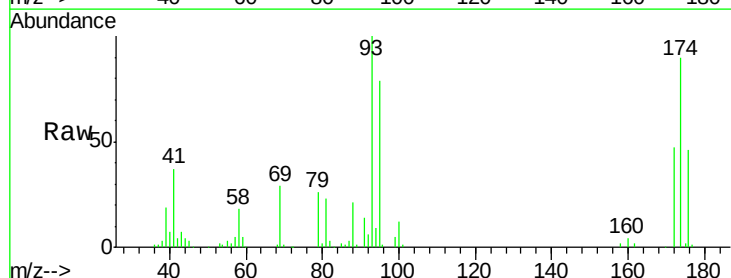
Manual Integrations
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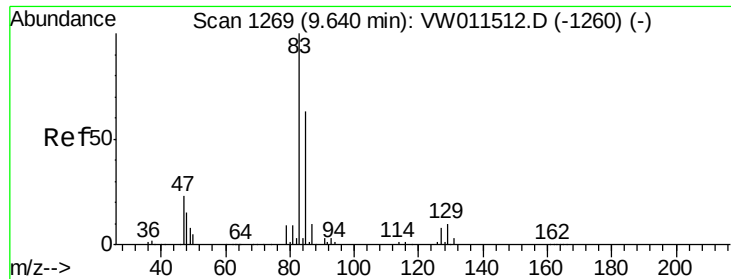
MMDadoda
 8/20/2019 9:55:42 AM



#46
 Dibromomethane
 Concen: 23.088 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion: 93 Resp: 32738
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.2 99.2
 174 96.7 78.2 117.4





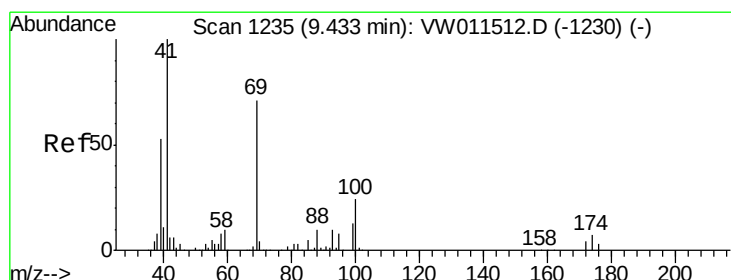
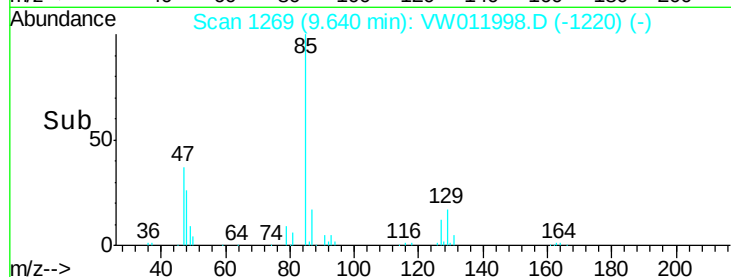
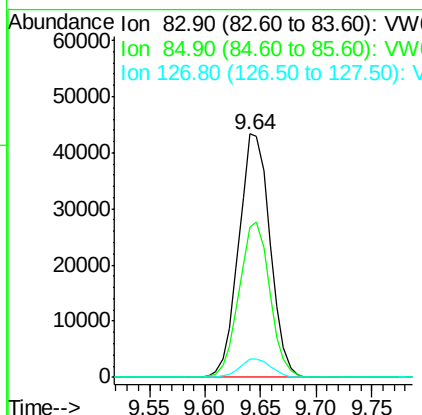
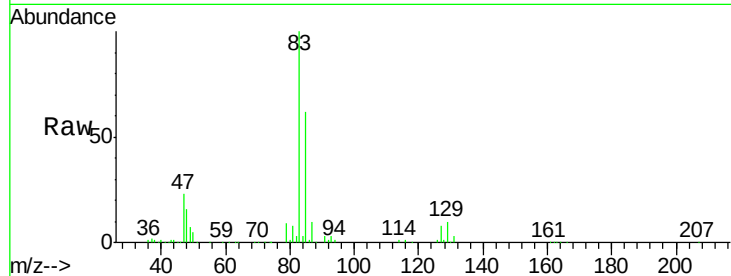
#47
 Bromodichloromethane
 Concen: 22.837 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	83	Resp	84943
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	50.5	75.7
127	7.6	6.4	9.6

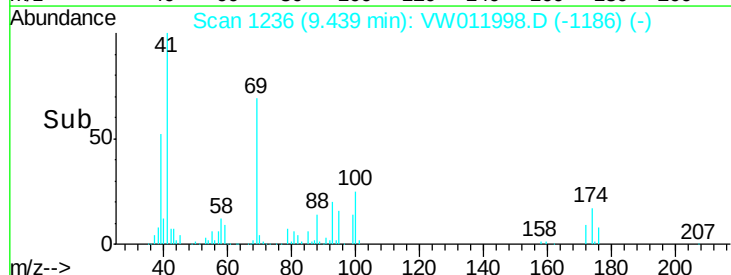
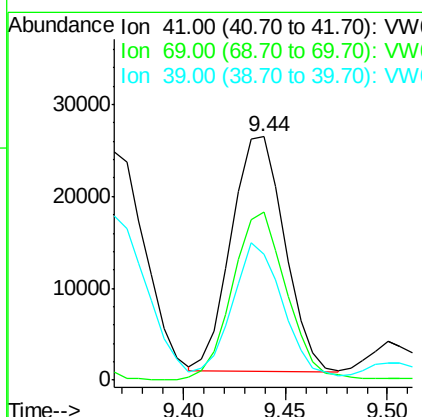
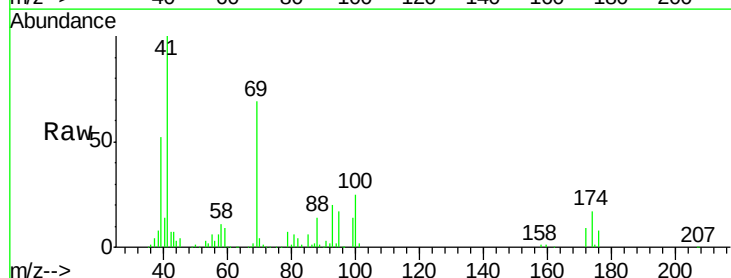
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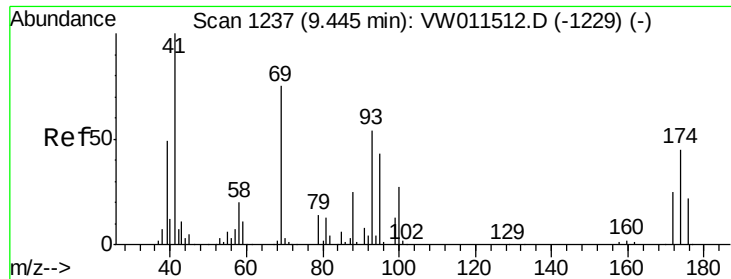
MMDadoda
 8/20/2019 9:55:42 AM



#48
 Methyl methacrylate
 Concen: 22.165 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	41	Resp	46699
Ion Ratio	100	Lower	Upper
41	100		
69	71.7	57.1	85.7
39	56.3	45.4	68.2





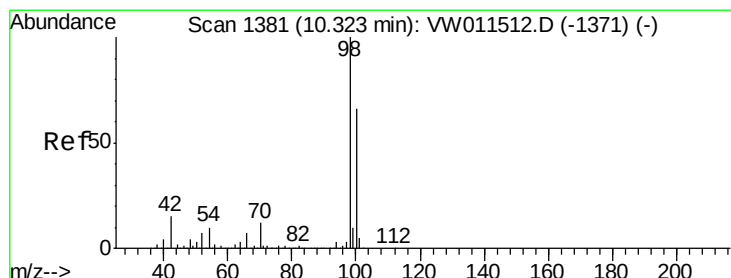
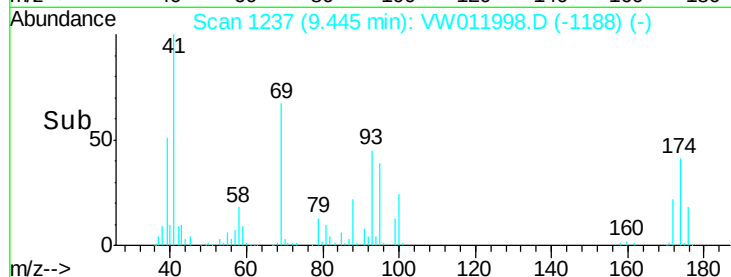
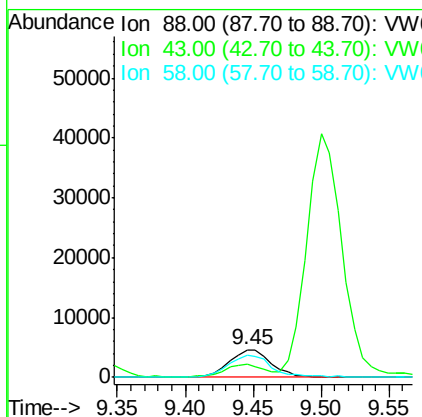
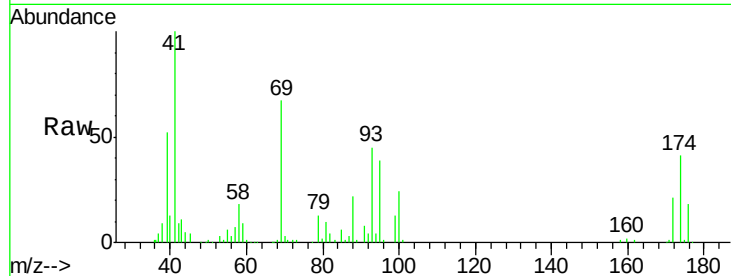
#49
 1,4-Dioxane
 Concen: 478.680 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS02

Tot Ion	88	Resp	9828
Ion	Ratio	Lower	Upper
88	100		
43	43.8	34.0	51.0
58	86.9	69.7	104.5

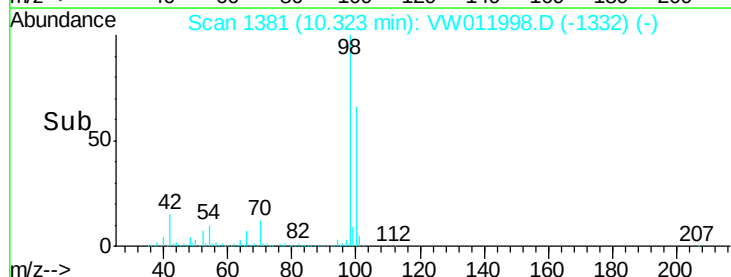
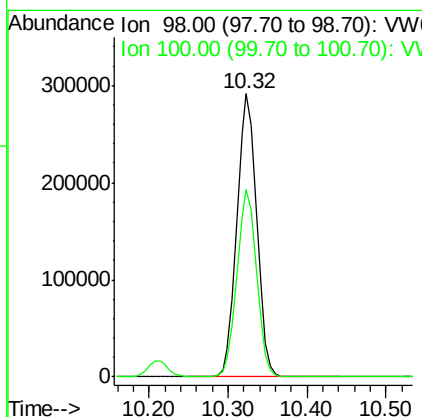
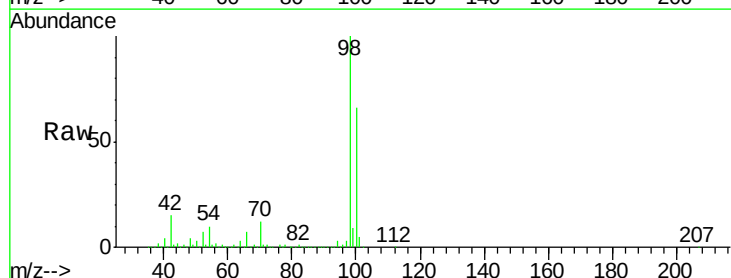
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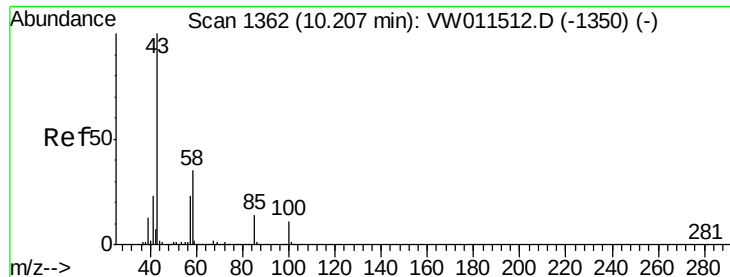
MMDadoda
 8/20/2019 9:55:42 AM



#50
 Toluene-d8
 Concen: 55.756 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	98	Resp	510557
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





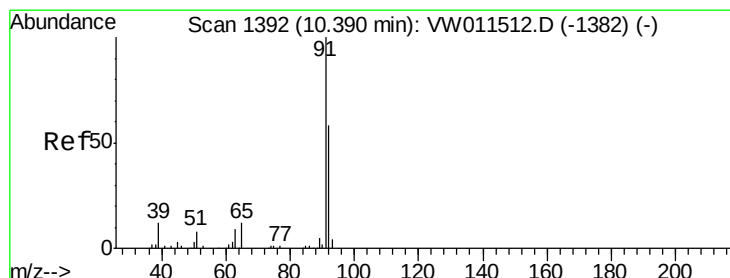
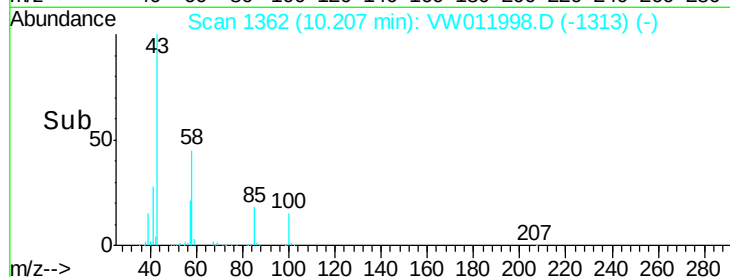
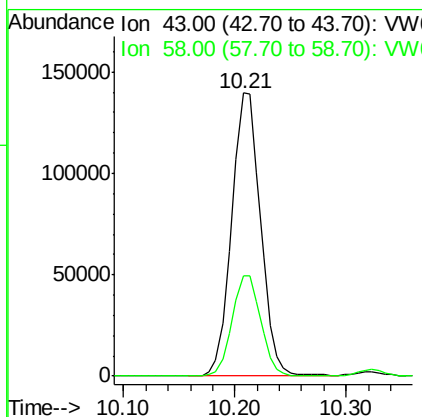
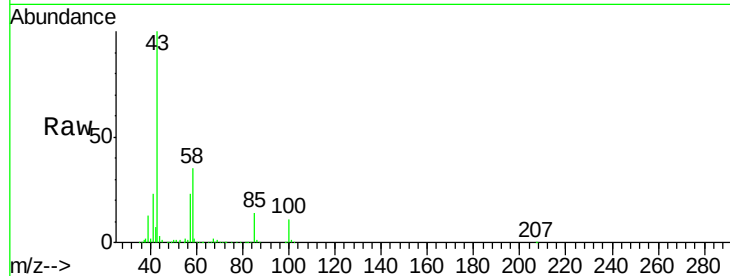
#51
 4-Methyl-2-Pentanone
 Concen: 110.204 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.2

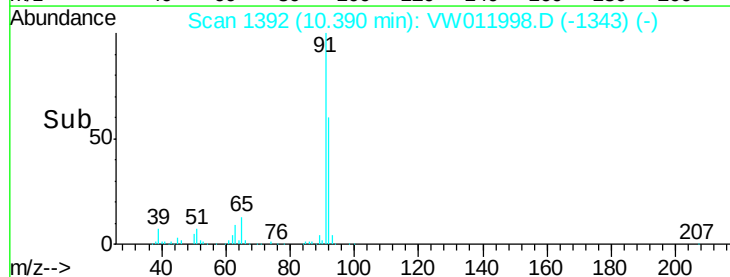
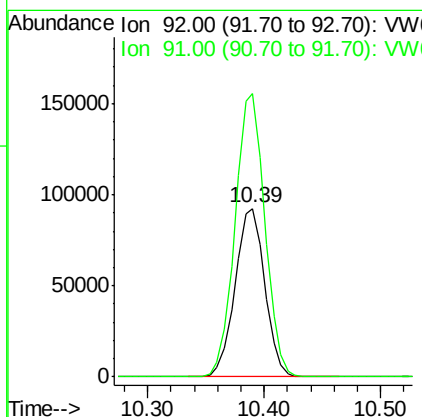
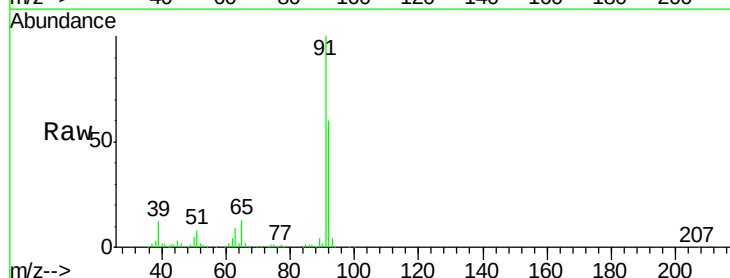
Manual Integrations
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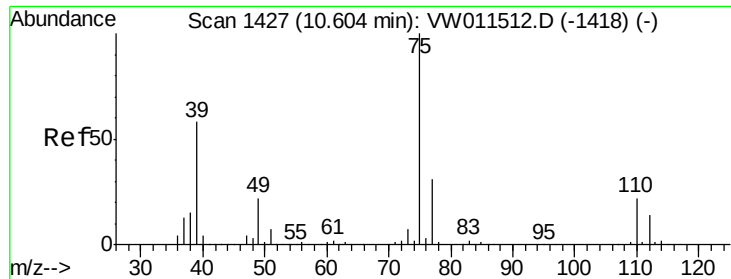
MMDadoda
 8/20/2019 9:55:42 AM



#52
 Toluene
 Concen: 23.440 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.7	136.7	205.1





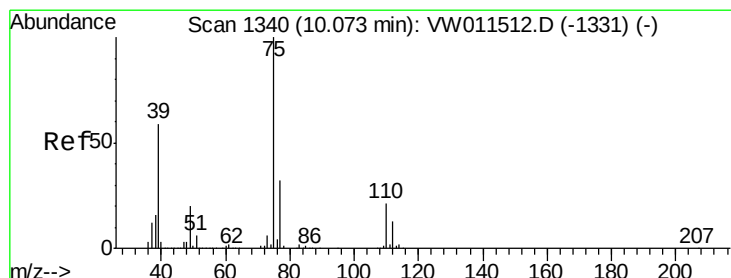
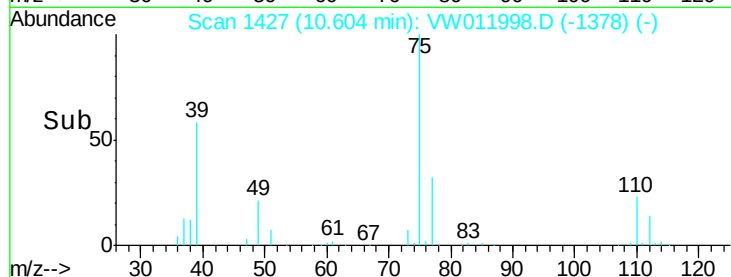
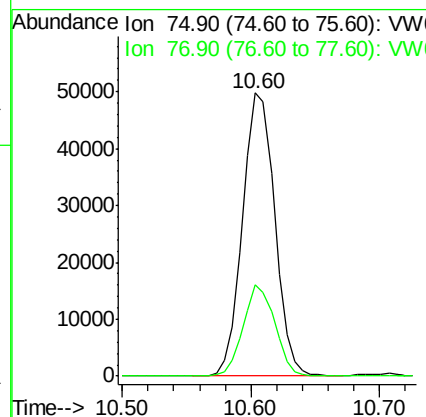
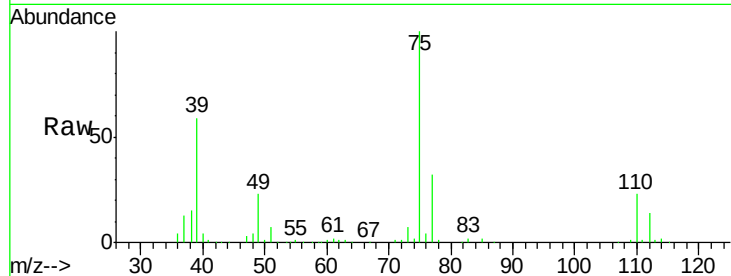
#53
 t-1,3-Dichloropropene
 Concen: 22.216 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion: 75 Resp: 86320
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.0 37.4

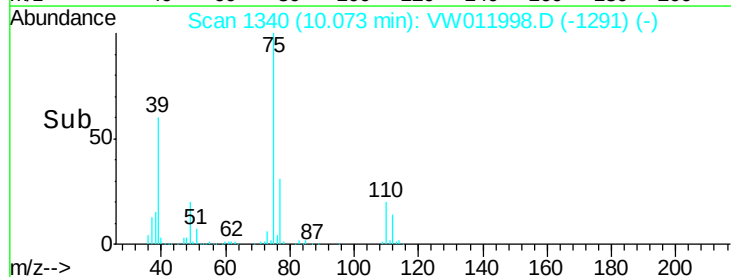
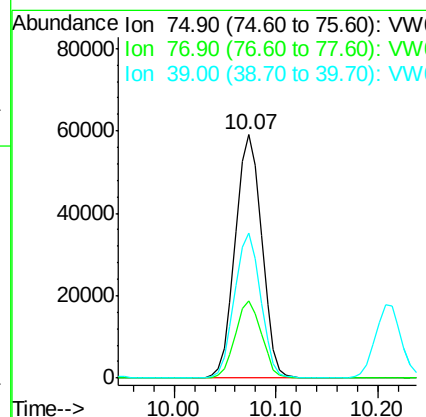
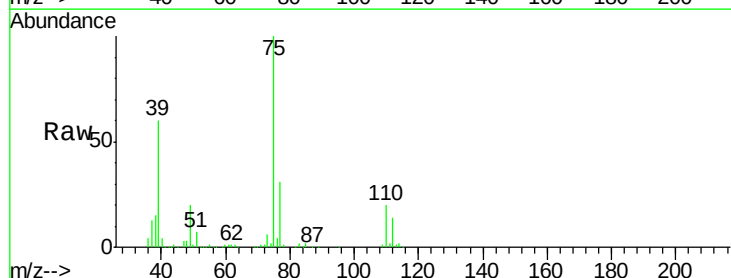
Manual Integrations
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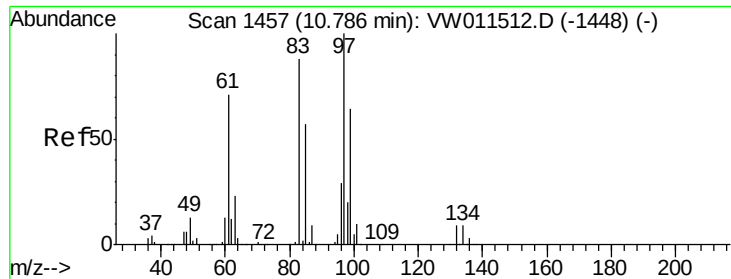
MMDadoda
 8/20/2019 9:55:42 AM



#54
 cis-1,3-Dichloropropene
 Concen: 22.993 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion: 75 Resp: 106225
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 59.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 22.985 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

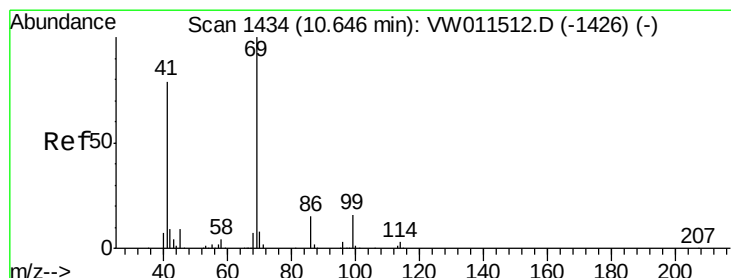
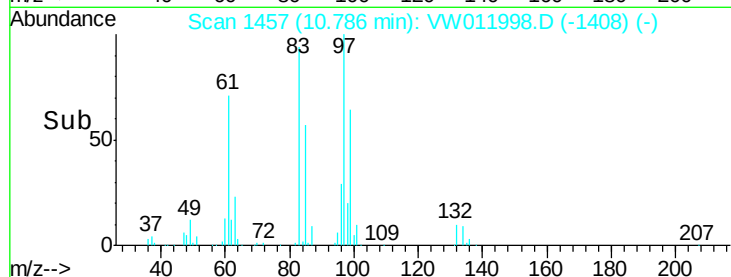
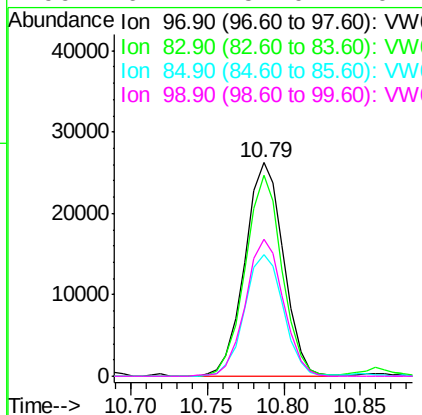
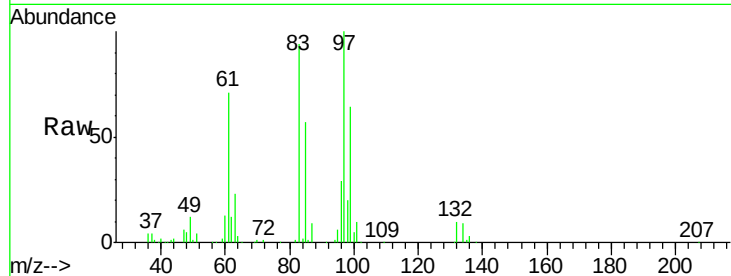
ClientSampleId :

VW0819SBS02

Tot Ion:	97	Resp:	46243
Ion	Ratio	Lower	Upper
97	100		
83	93.9	70.5	105.7
85	57.2	45.8	68.6
99	64.2	51.0	76.4

Manual Integrations
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8/20/2019 9:55:42 AM



#56

Ethyl methacrylate

Concen: 22.848 ug/l

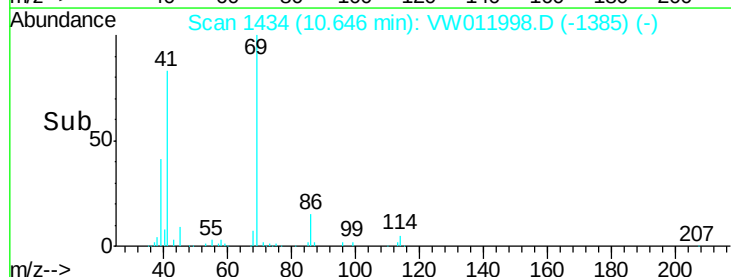
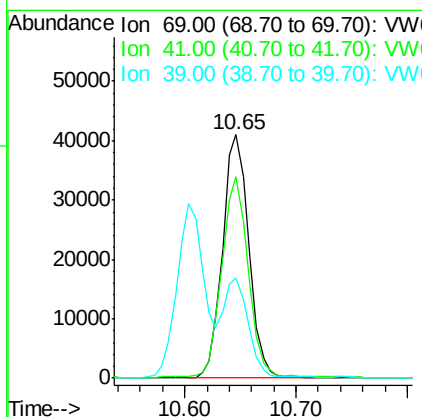
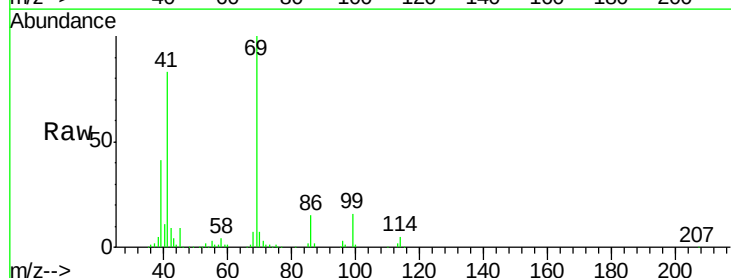
RT: 10.65 min Scan# 1434

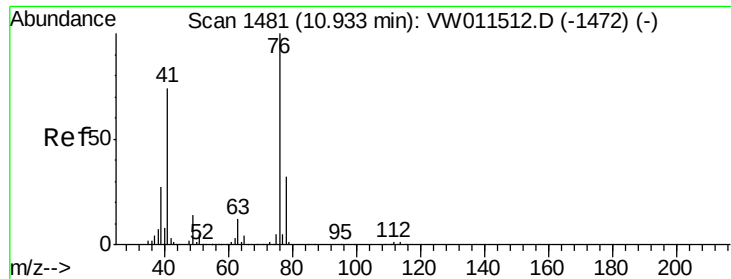
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	69	Resp:	67266
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.6	99.8
39	38.3	30.3	45.5





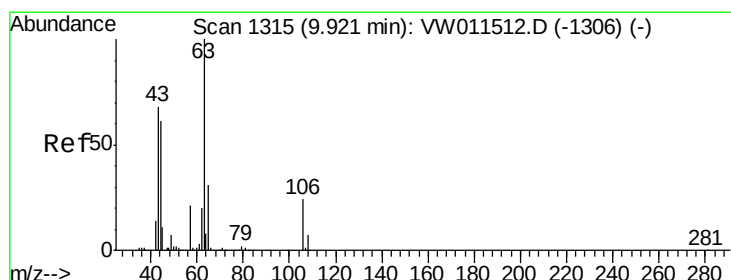
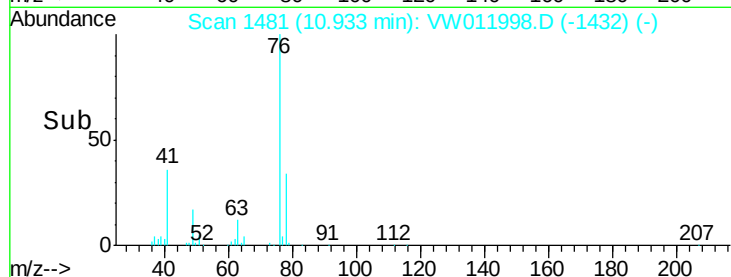
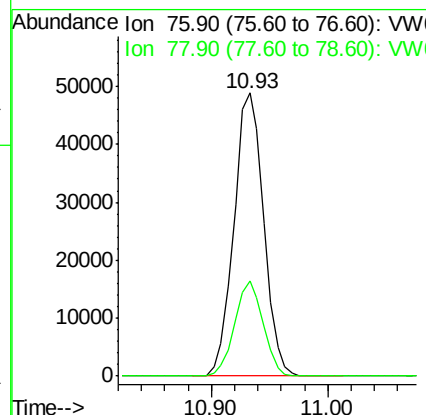
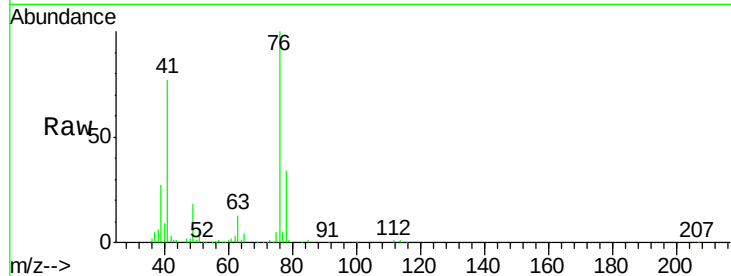
#57
 1,3-Dichloropropane
 Concen: 22.757 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion: 76 Resp: 86622
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8

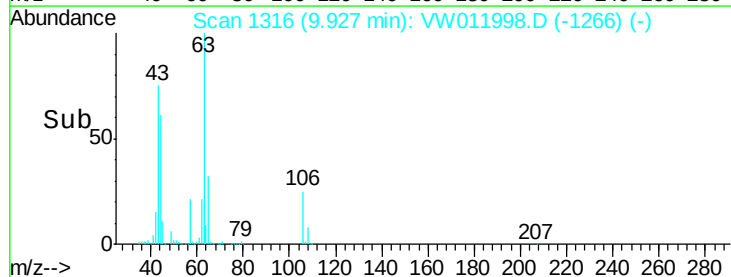
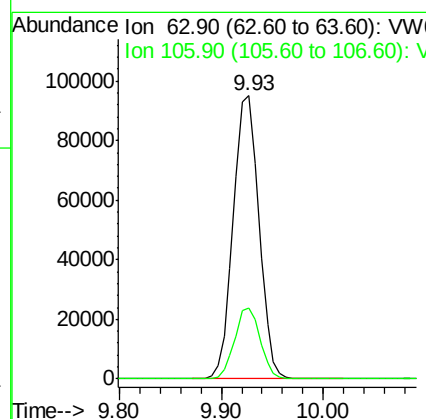
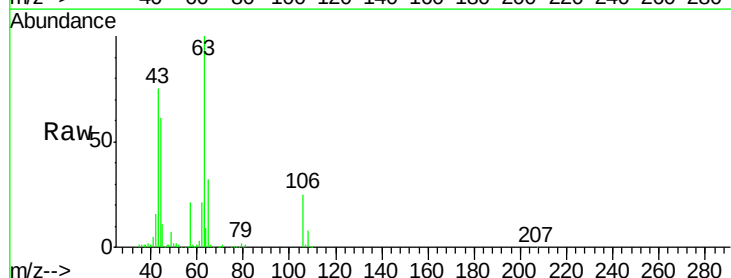
Manual Integrations
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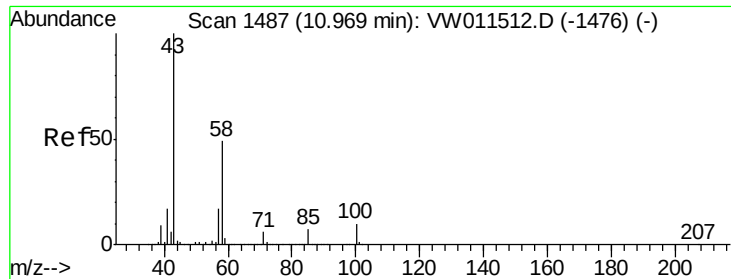
MMDadoda
 8/20/2019 9:55:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.200 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion: 63 Resp: 166021
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5





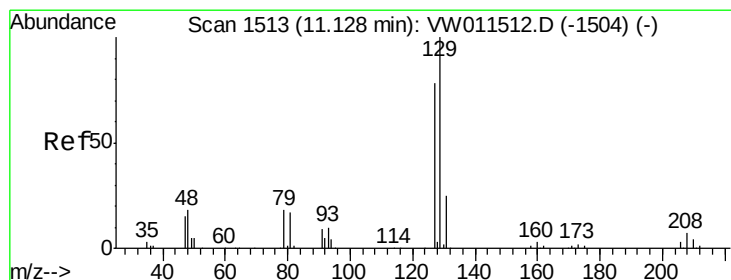
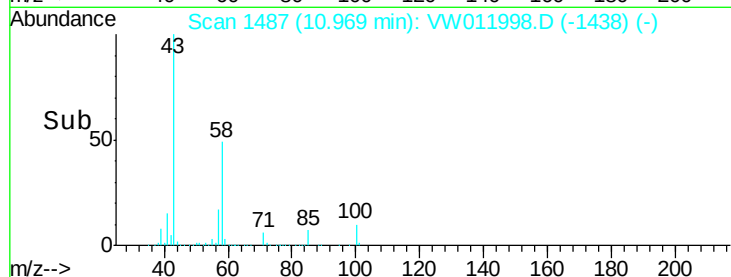
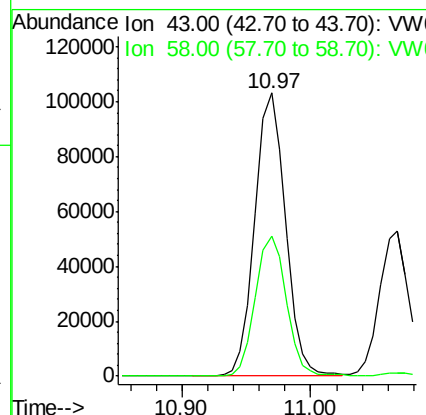
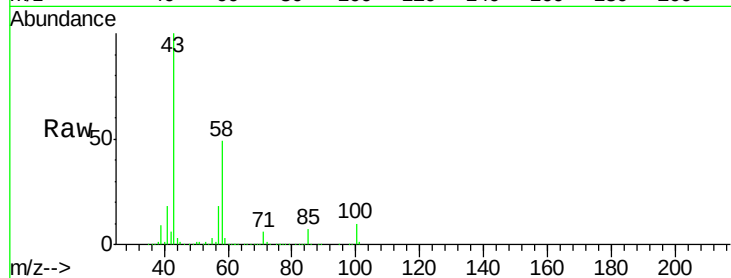
#59
2-Hexanone
Concen: 105.269 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.3	72.9

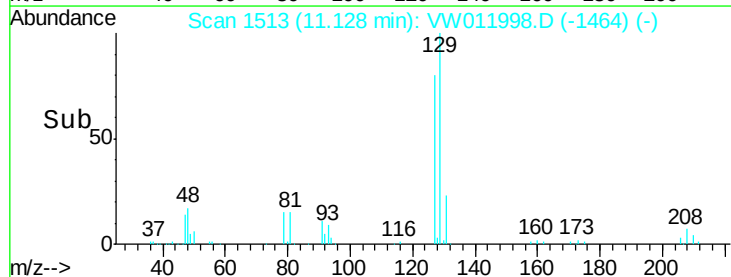
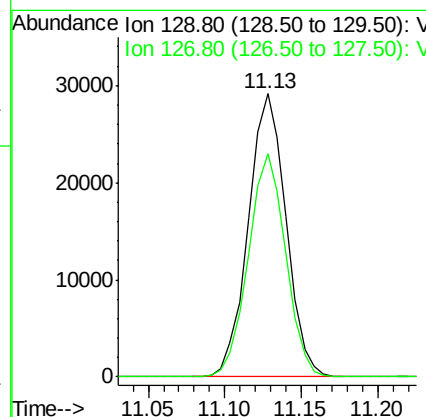
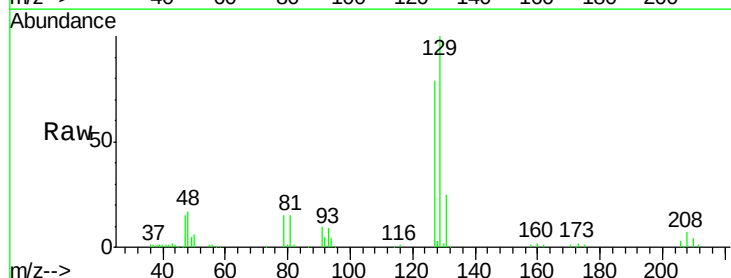
Manual Integrations
APPROVED

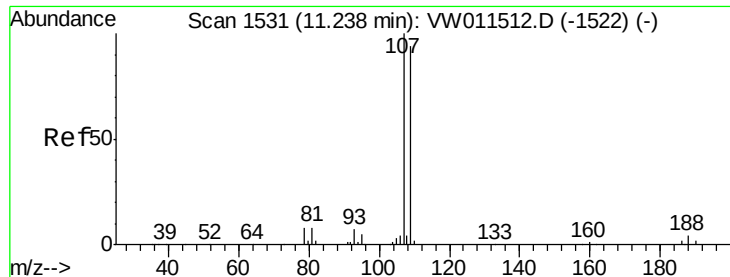
MMDadoda
8/20/2019 9:55:42 AM



#60
Dibromochloromethane
Concen: 22.397 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.9	116.7





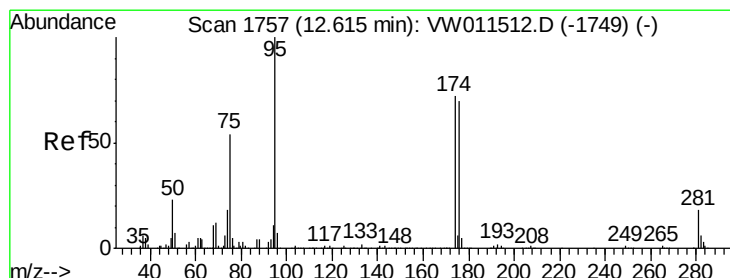
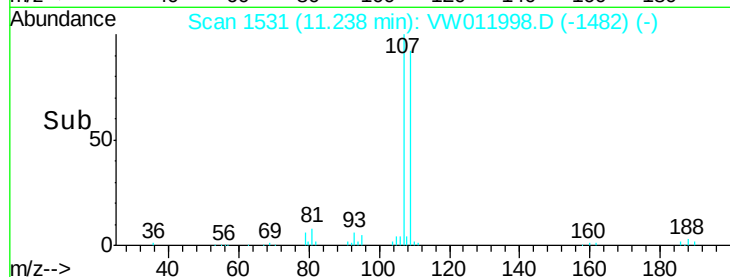
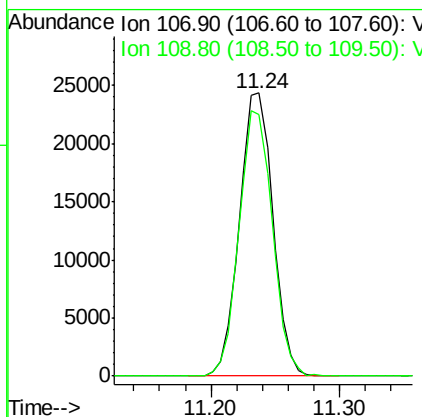
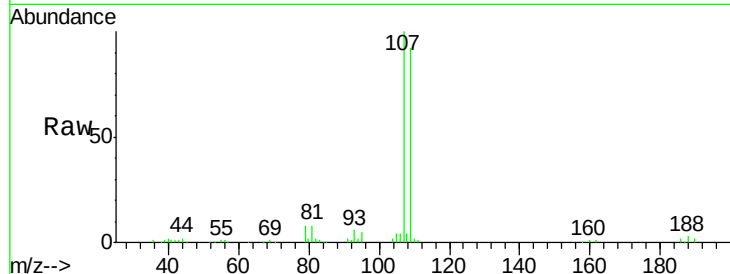
#61
 1,2-Dibromoethane
 Concen: 23.011 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

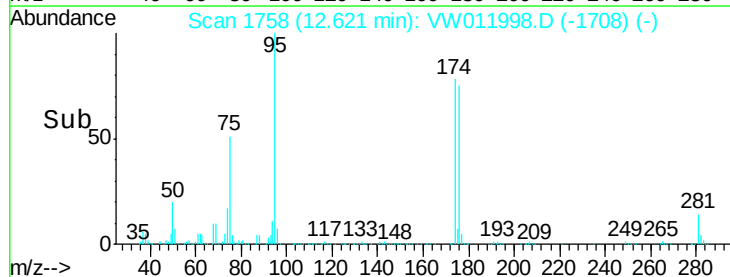
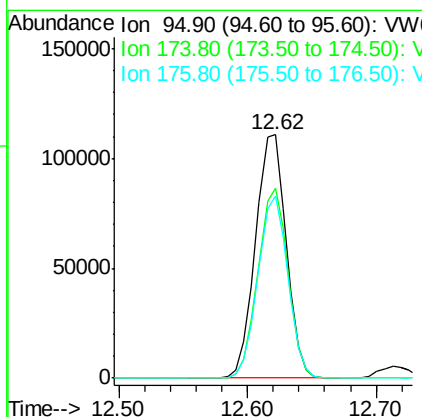
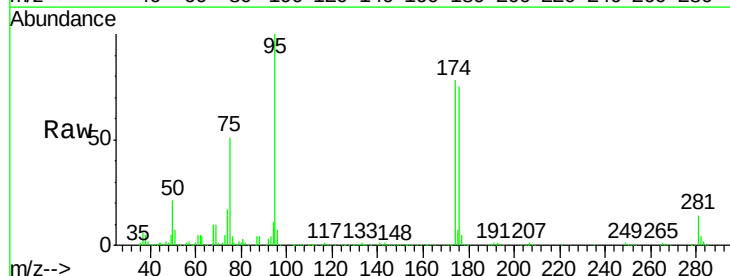
Manual Integrations
 APPROVED

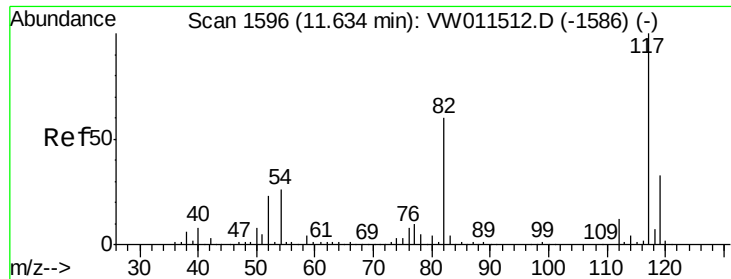
MMDadoda
 8/20/2019 9:55:42 AM



#62
 4-Bromofluorobenzene
 Concen: 55.873 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.2
176	73.2	0.0	144.4





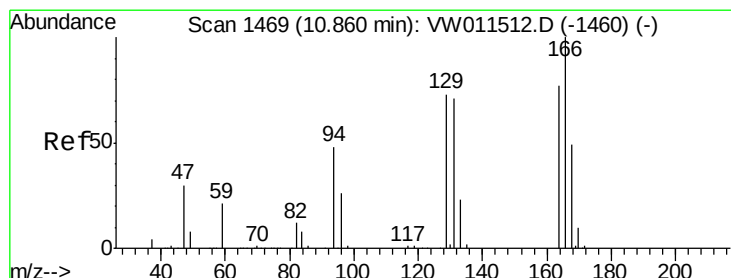
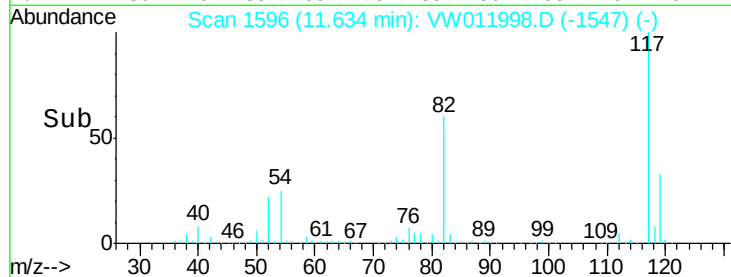
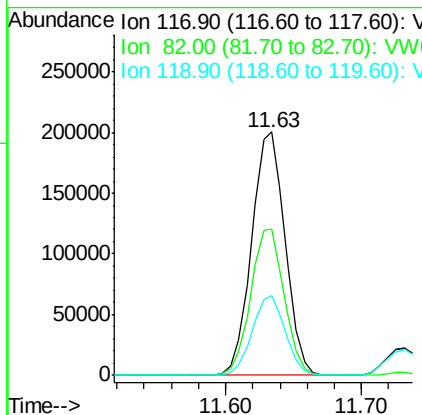
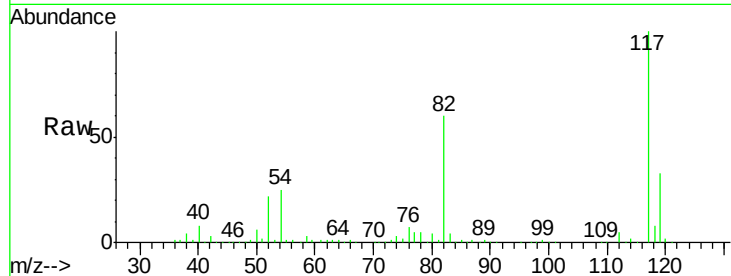
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	345332		
82	60.0	47.9	71.9	
119	32.6	26.2	39.2	

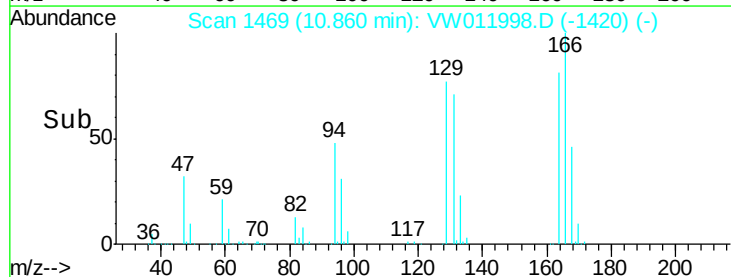
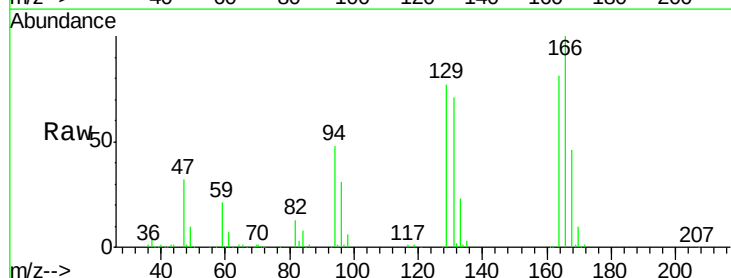
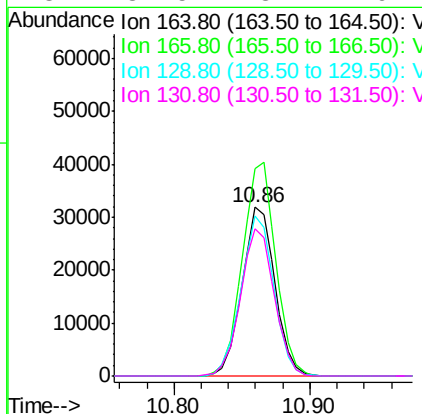
Manual Integrations
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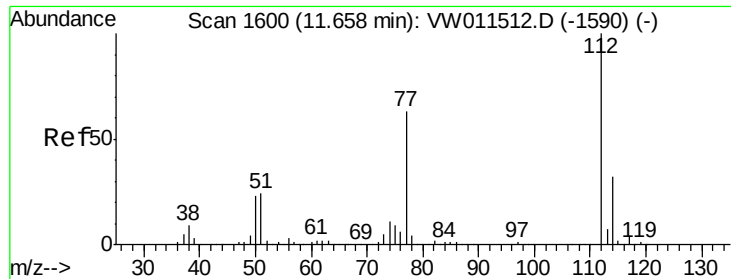
MMDadoda
8/20/2019 9:55:42 AM



#64
Tetrachloroethene
Concen: 23.935 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53817		
166	123.4	103.5	155.3	
129	94.8	75.2	112.8	
131	87.5	73.4	110.2	





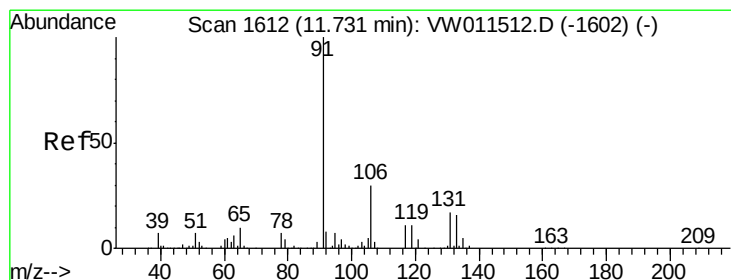
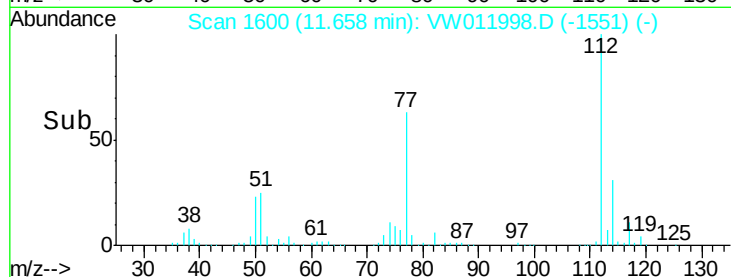
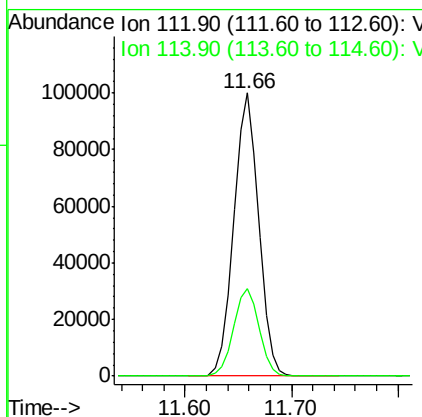
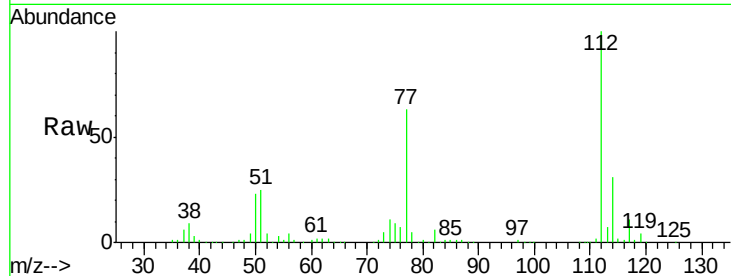
#65
Chlorobenzene
Concen: 23.634 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion:112 Resp: 164085
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4

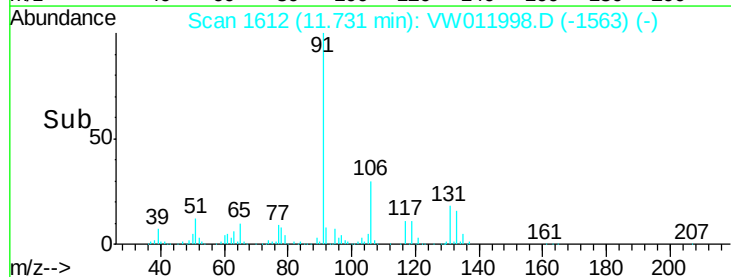
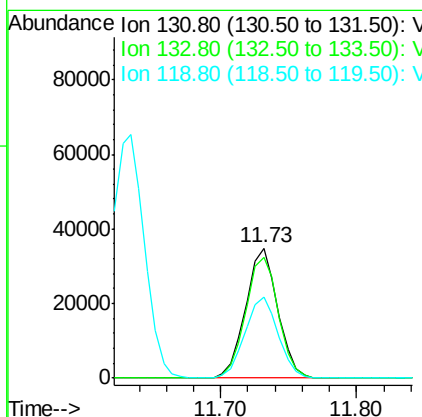
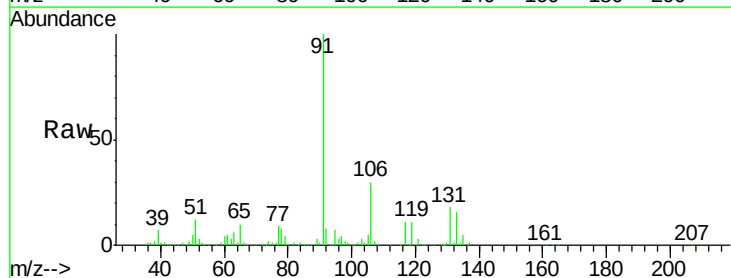
Manual Integrations
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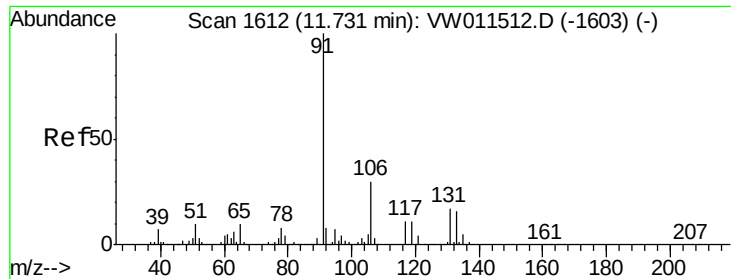
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.761 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion:131 Resp: 57461
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 65.0 32.3 96.9





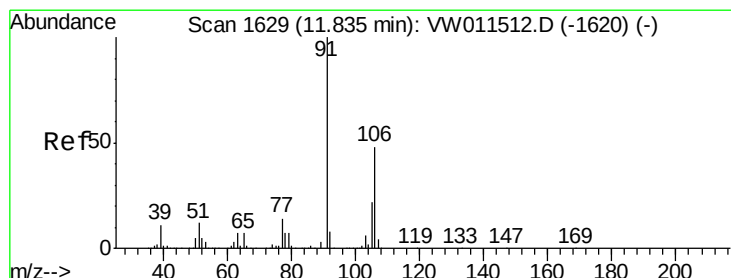
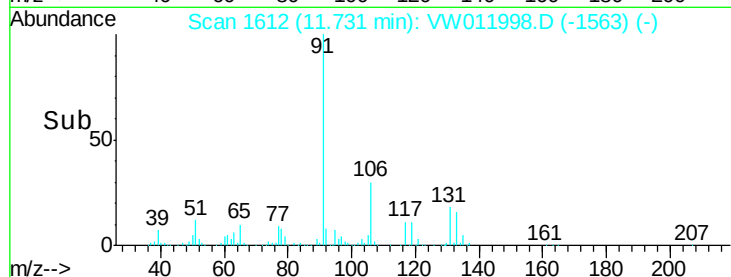
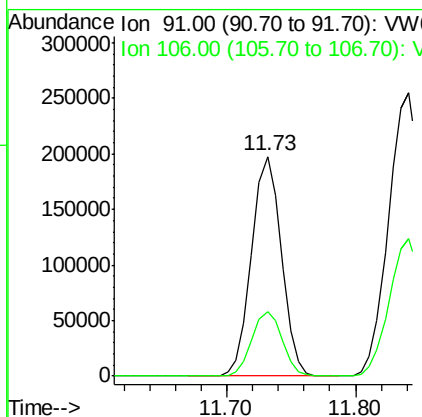
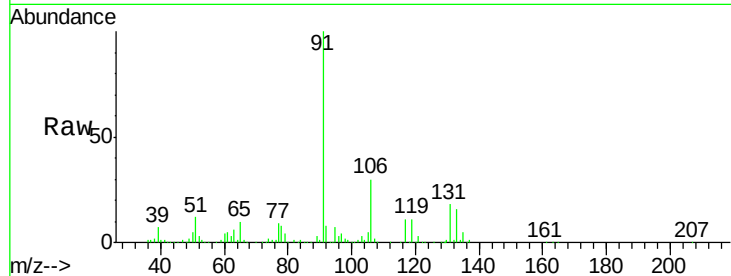
#67
Ethyl Benzene
Concen: 23.910 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.8	35.6

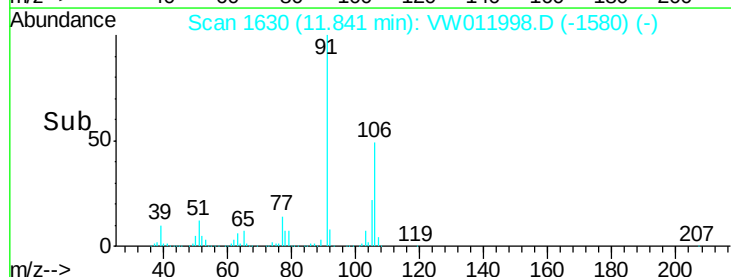
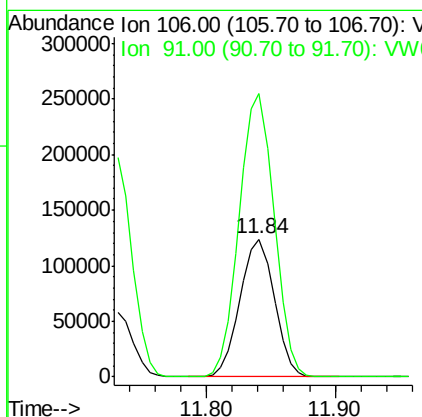
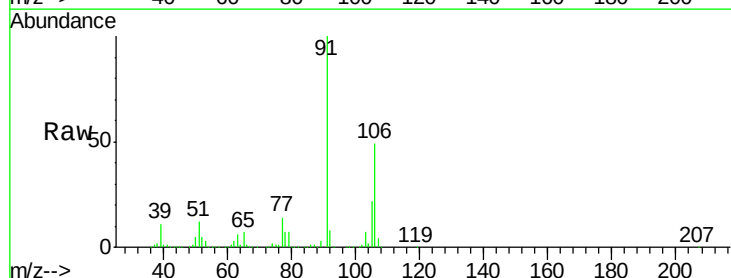
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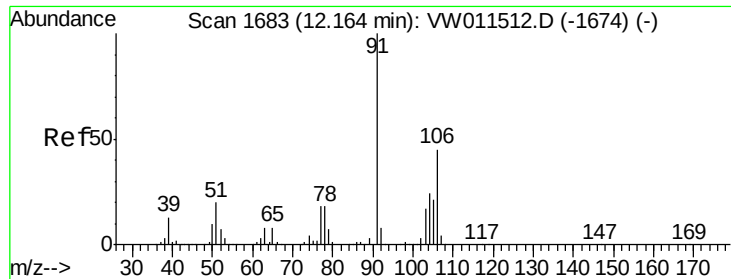
MMDadoda
8/20/2019 9:55:42 AM



#68
m/p-Xylenes
Concen: 47.706 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.8	168.2	252.2





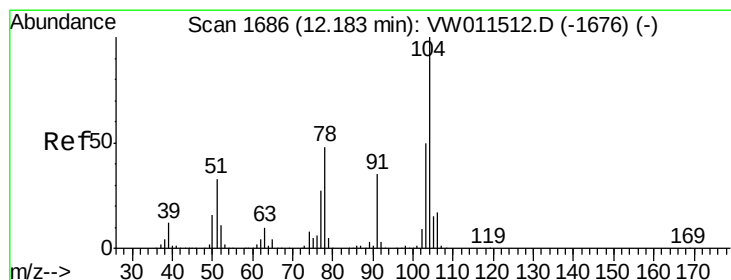
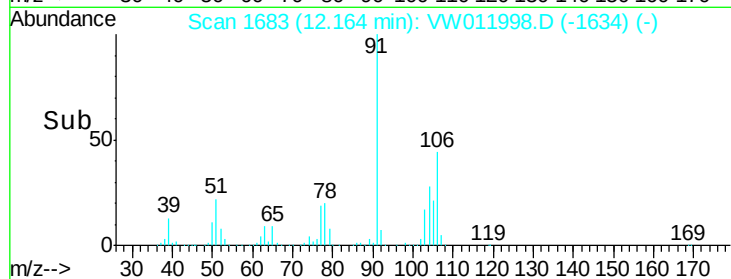
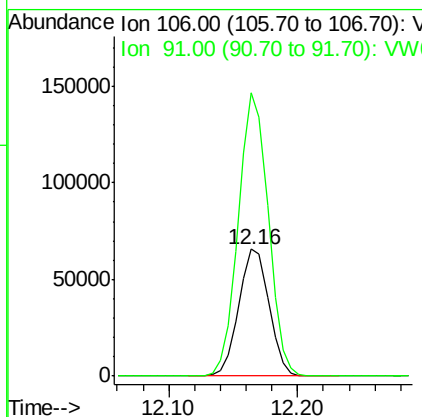
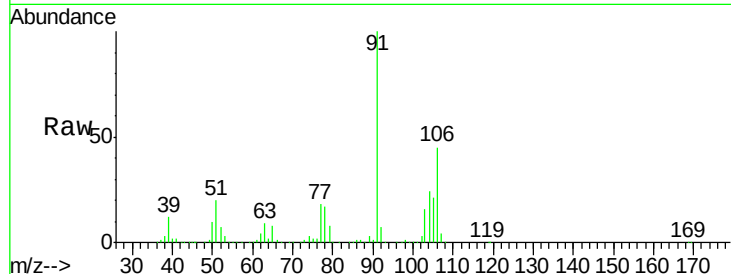
#69
o-Xylene
Concen: 23.975 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	107133		
91	220.1	110.5	331.5		

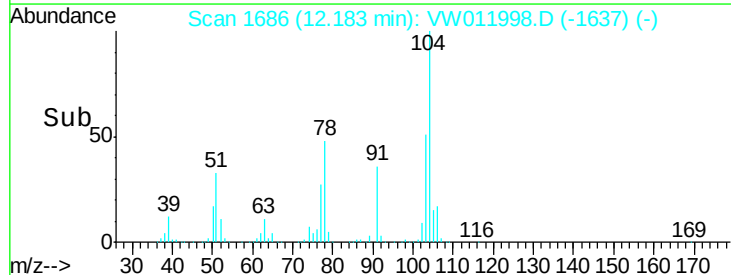
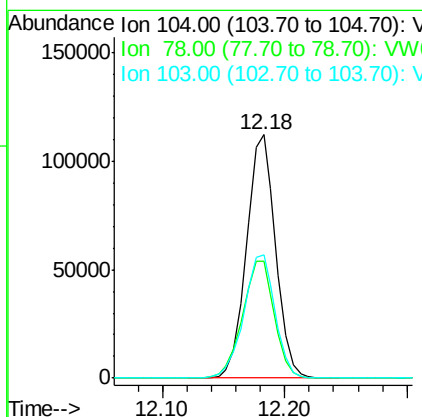
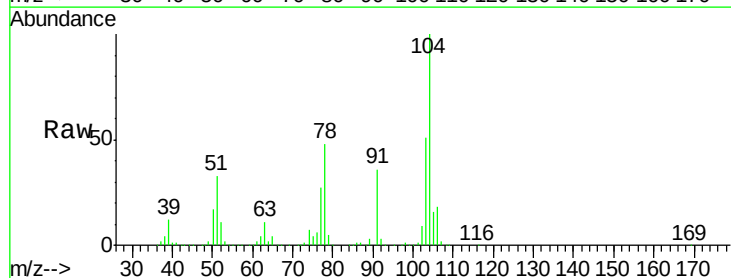
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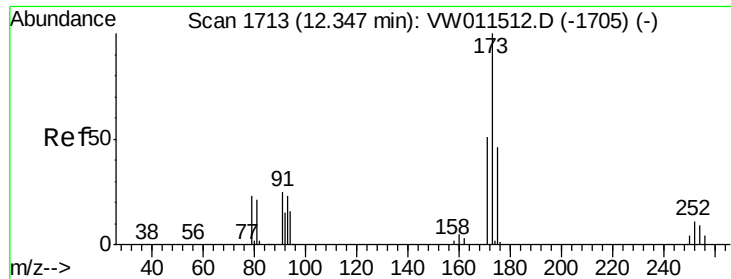
MMDadoda
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#70
Styrene
Concen: 23.949 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	185032		
78	52.9	43.4	65.0		
103	54.7	43.9	65.9		





#71

Bromoform

Concen: 23.213 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion:173 Resp: 28622

Ion Ratio Lower Upper

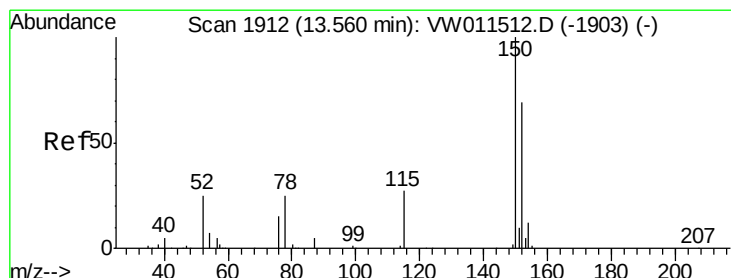
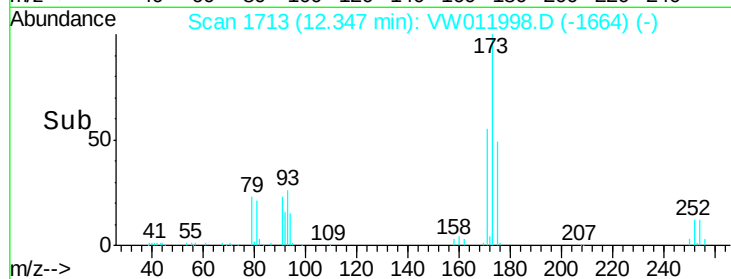
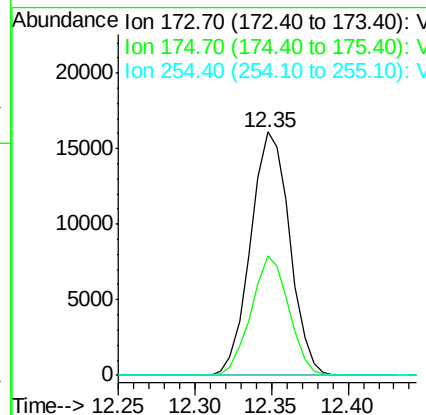
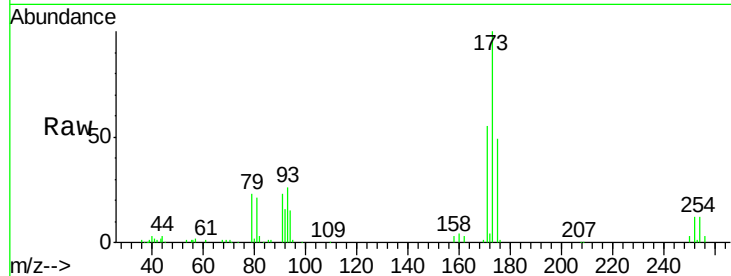
173 100

175 47.2 23.6 71.0

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

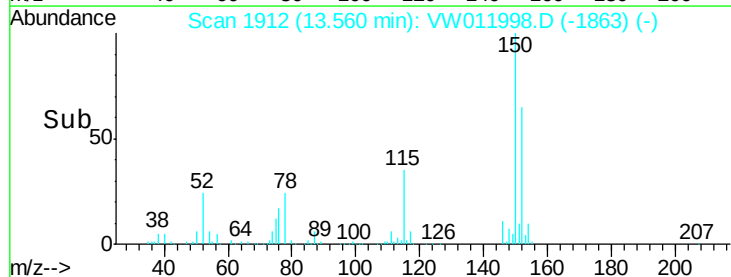
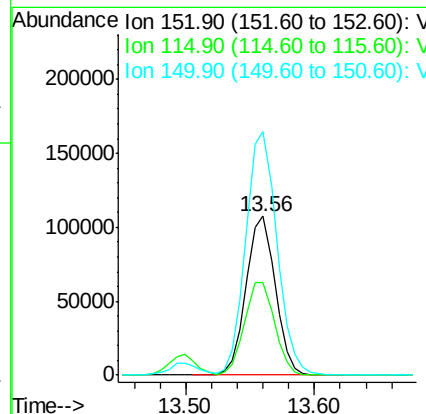
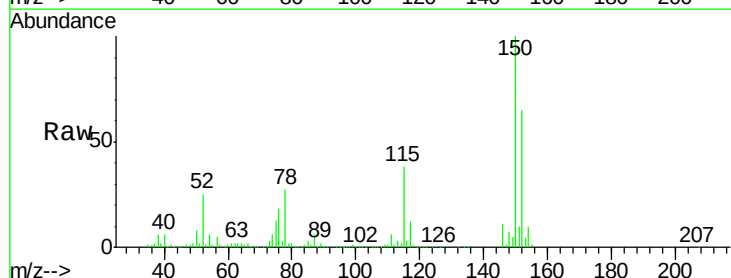
Tgt Ion:152 Resp: 167850

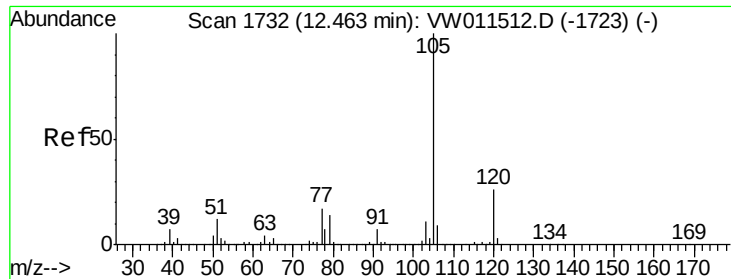
Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

150 164.1 0.0 352.6





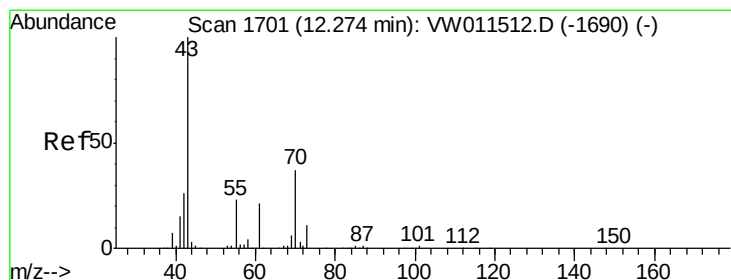
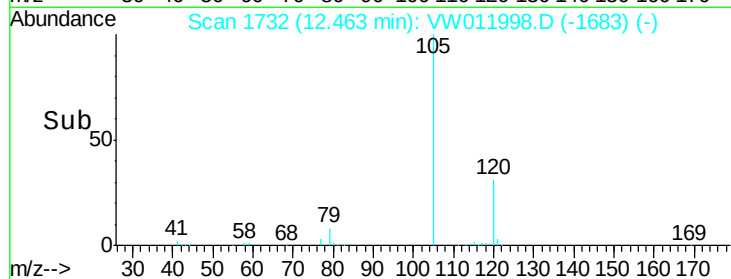
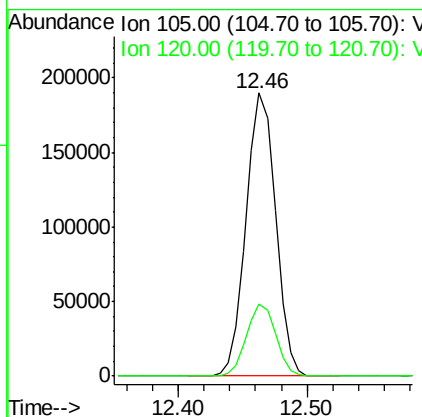
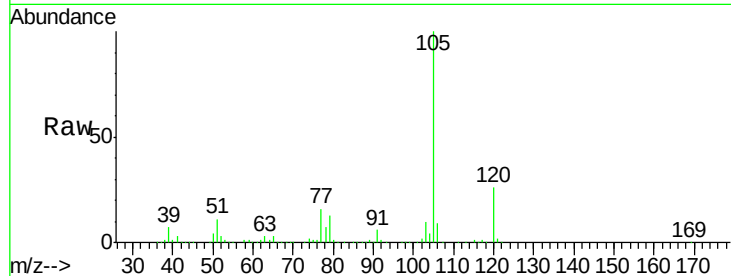
#73
Isopropylbenzene
Concen: 23.989 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	300395		
120	25.3	12.9	38.7	

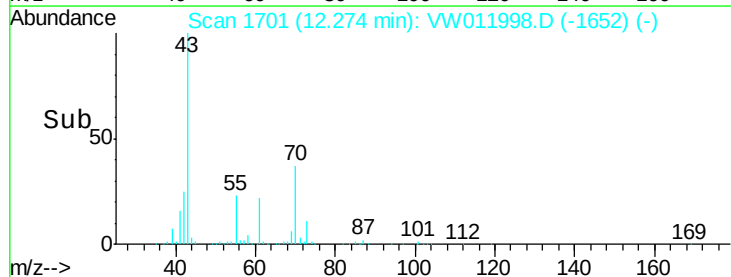
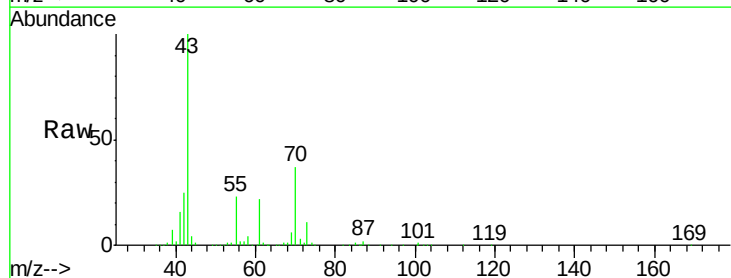
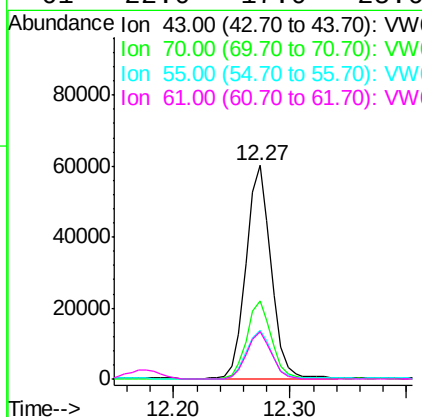
Manual Integrations
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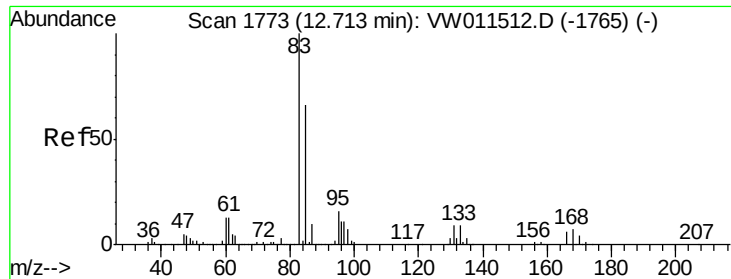
MMDadoda
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#74
N-ethyl acetate
Concen: 22.991 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	90132		
70	36.7	28.6	43.0	
55	23.1	17.8	26.8	
61	22.0	17.0	25.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 23.362 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

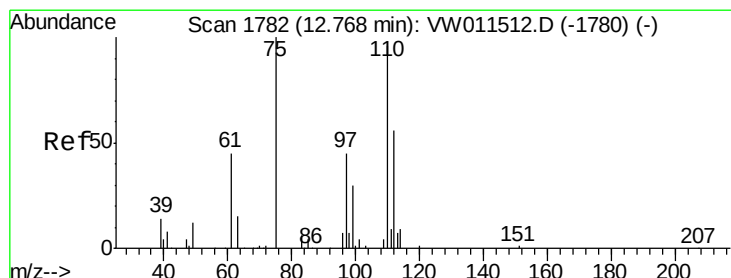
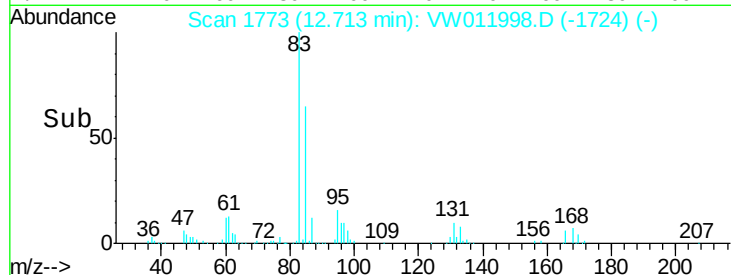
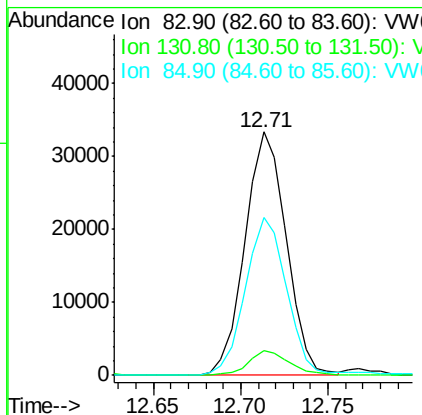
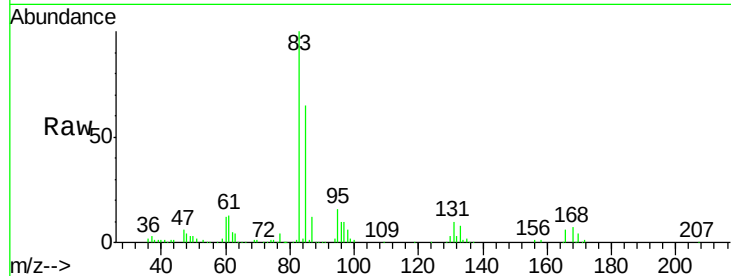
ClientSampleId :

VW0819SBS02

Tot Ion:	83	Resp:	55027
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.4	31.8	95.4

Manual Integrations
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8/20/2019 9:55:42 AM



#76

1,2,3-Trichloropropane

Concen: 21.027 ug/l m

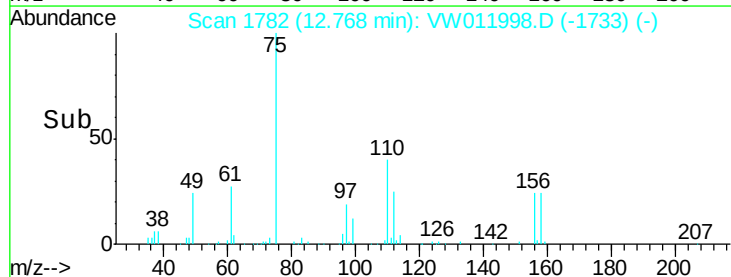
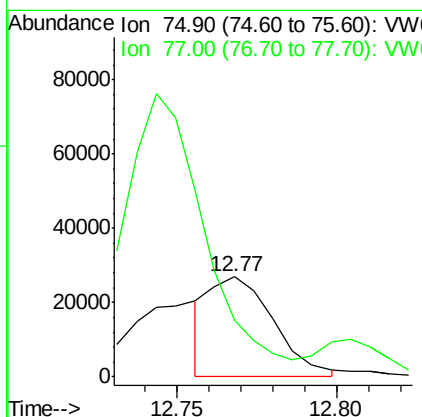
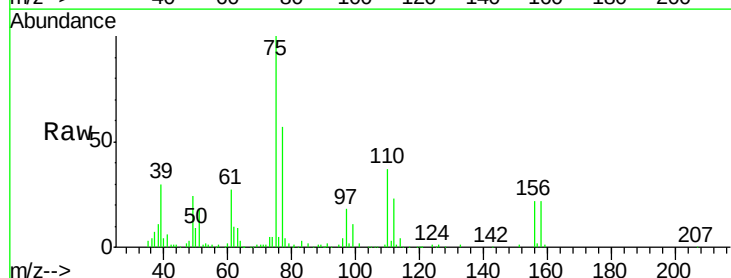
RT: 12.77 min Scan# 1782

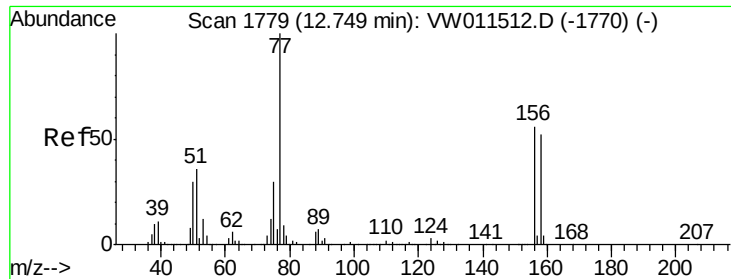
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	75	Resp:	37345
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.648 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

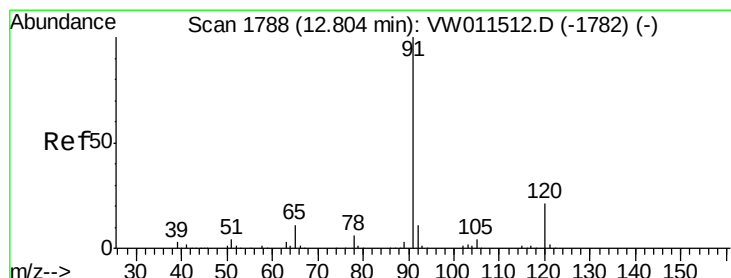
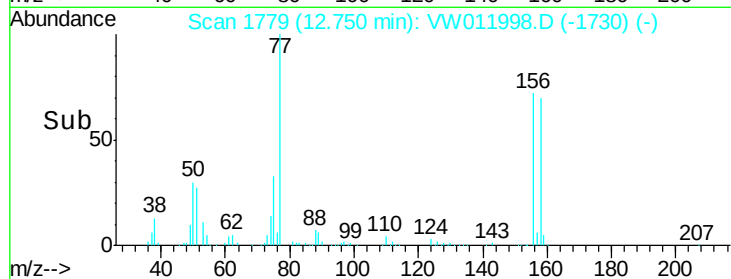
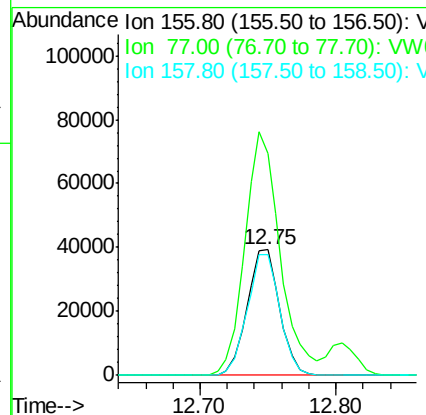
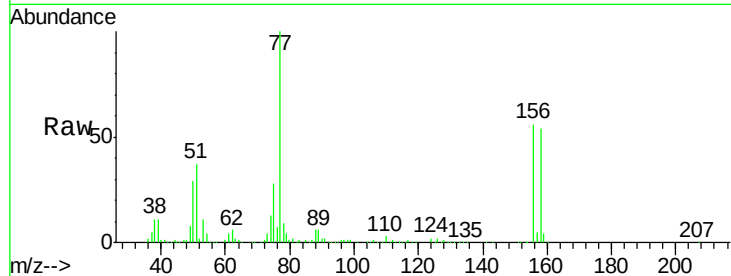
ClientSampleId :

VW0819SBS02

Tot Ion:	156	Resp:	65451
Ion	Ratio	Lower	Upper
156	100		
77	209.9	106.5	319.4
158	97.1	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 23.936 ug/l

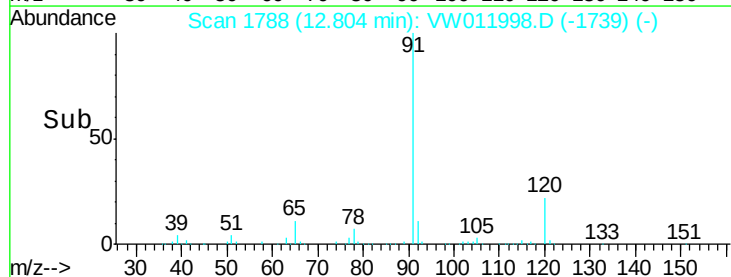
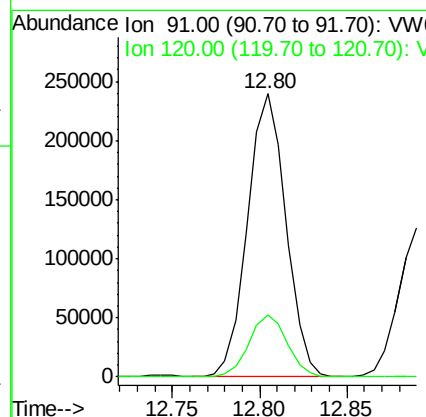
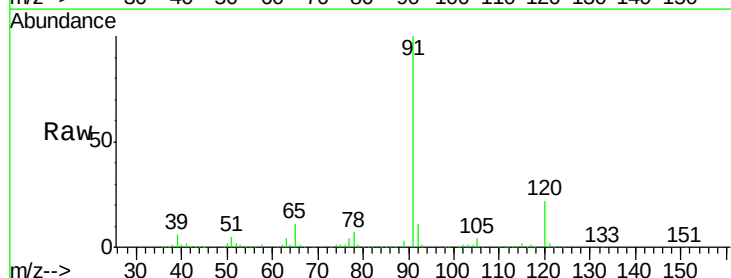
RT: 12.80 min Scan# 1788

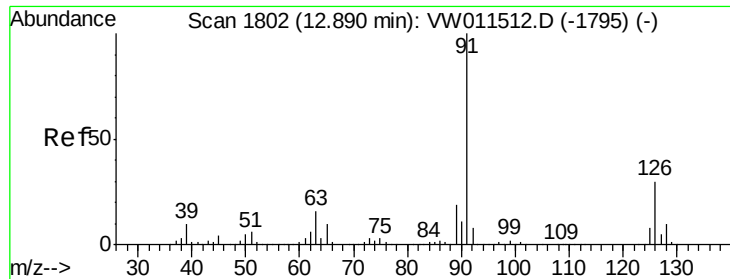
Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Tgt Ion:	91	Resp:	364769
Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 23.859 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011998.D

Acq: 19 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

VW0819SBS02

Tot Ion: 91 Resp: 209469

Ion Ratio Lower Upper

91 100

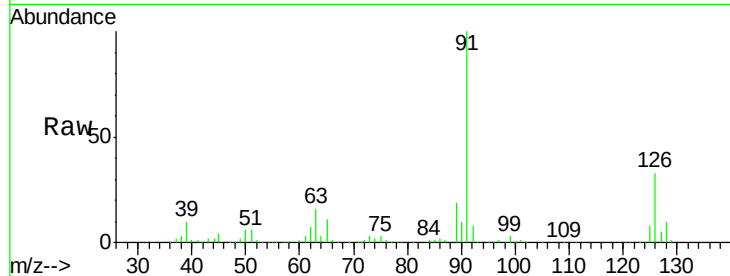
126 31.5 15.7 47.1

Manual Integrations

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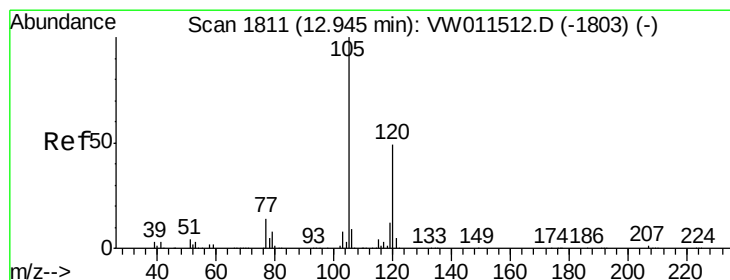
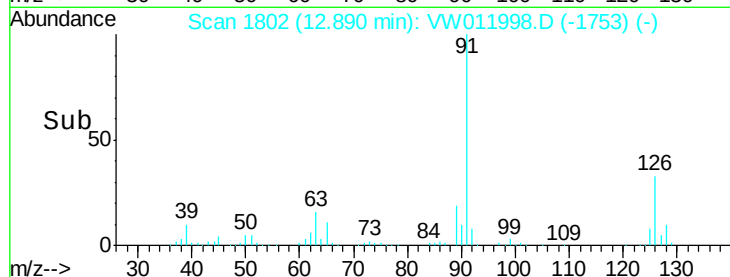
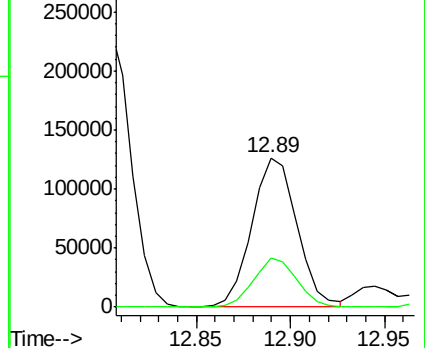
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.873 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011998.D

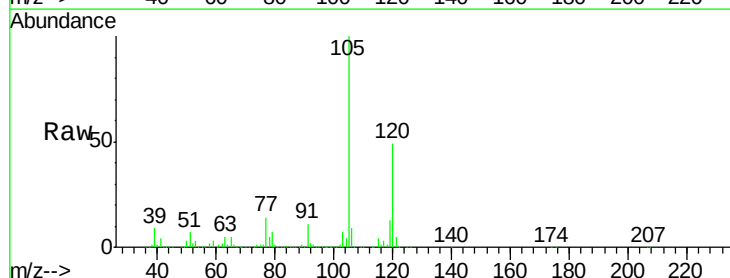
Acq: 19 Aug 2019 19:10

Tgt Ion:105 Resp: 250583

Ion Ratio Lower Upper

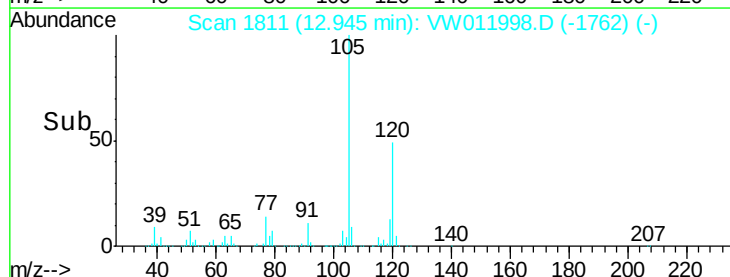
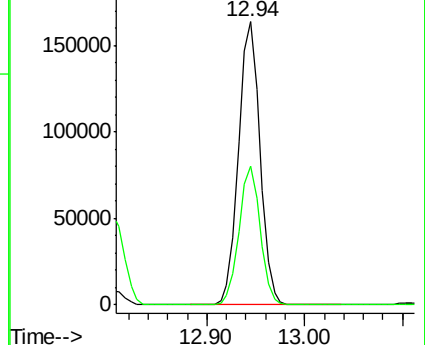
105 100

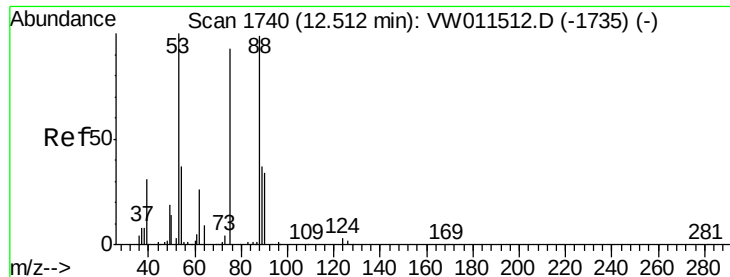
120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





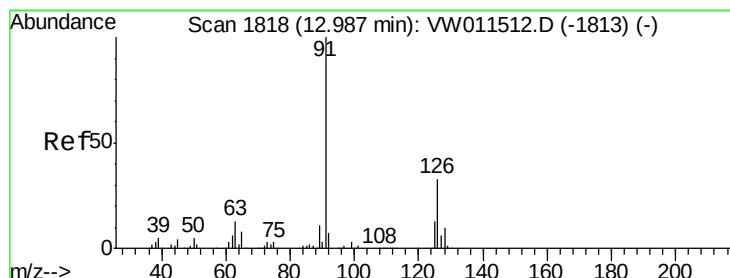
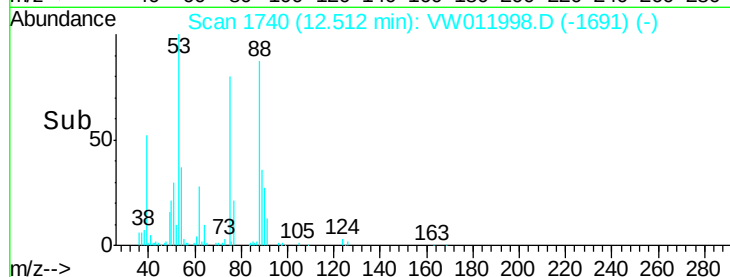
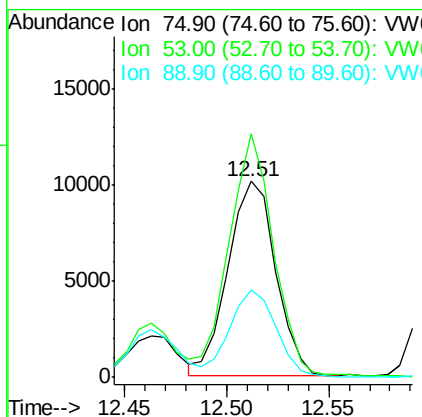
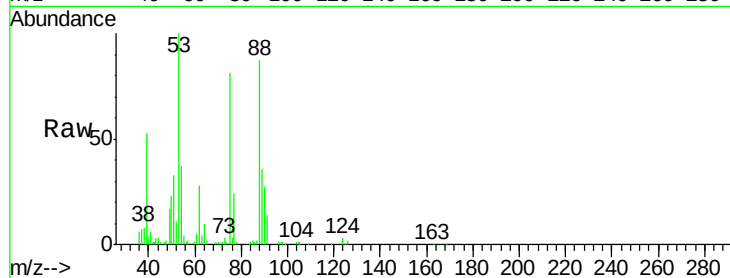
#81
trans-1,4-Dichloro-2-butene
Concen: 21.366 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.5	88.0	132.0
89	43.9	35.3	52.9

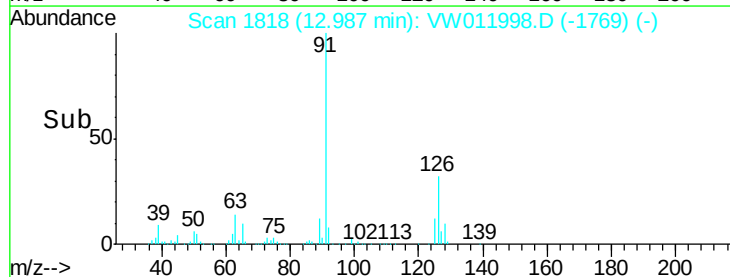
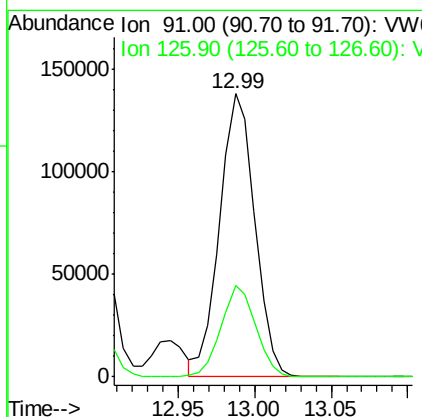
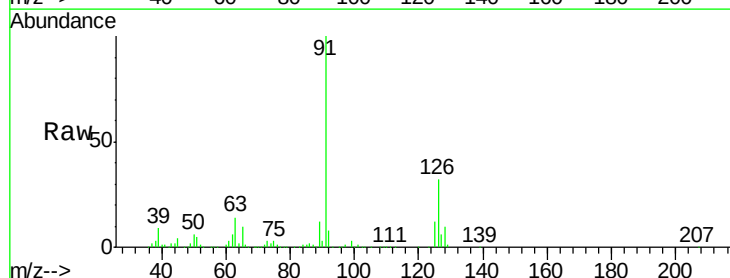
Manual Integrations
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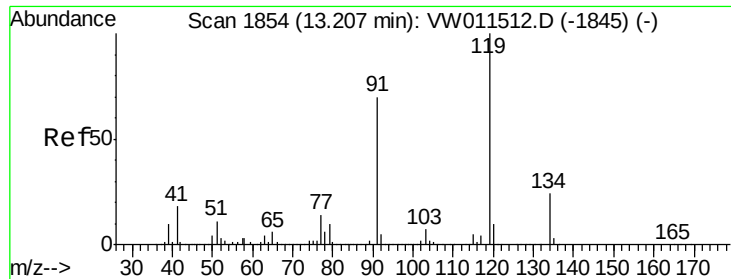
MMDadoda
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#82
4-Chlorotoluene
Concen: 23.806 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.6	46.8





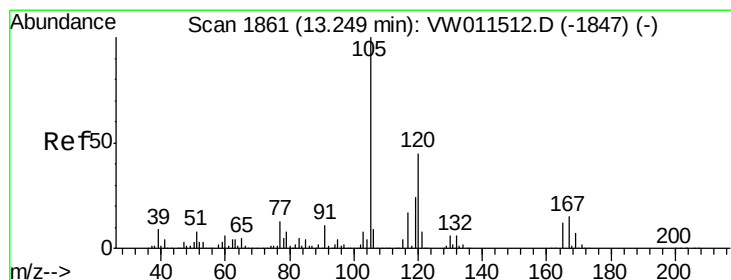
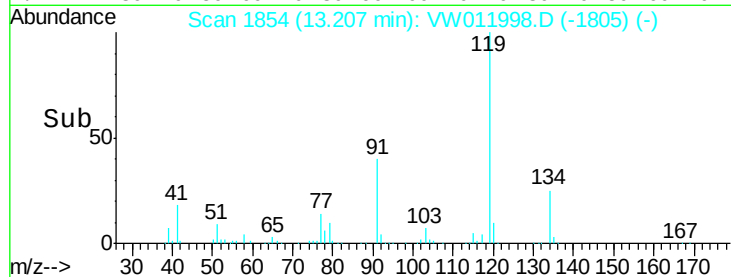
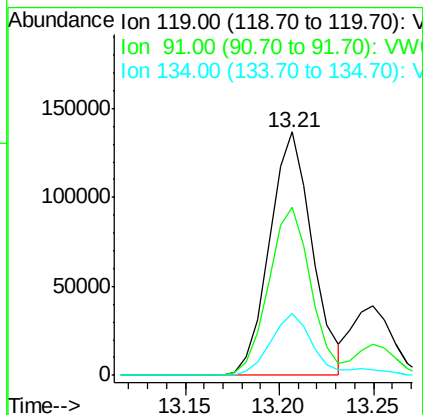
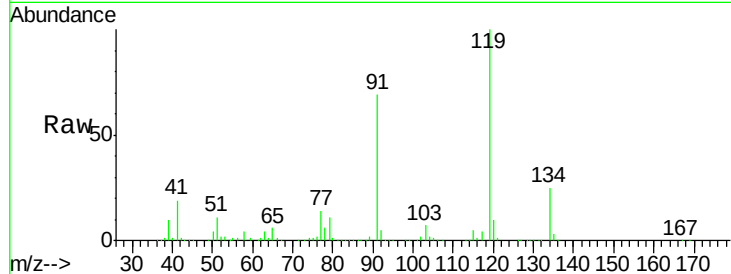
#83
 tert-Butylbenzene
 Concen: 24.412 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.5	103.6
134	26.8	12.4	37.4

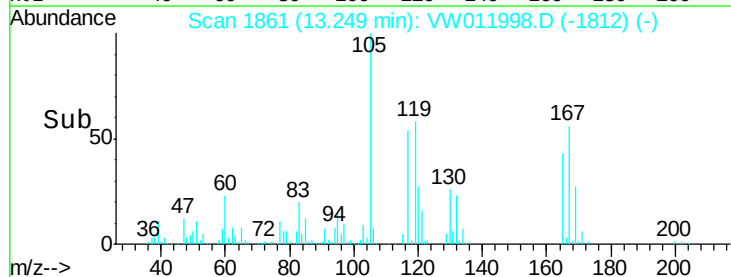
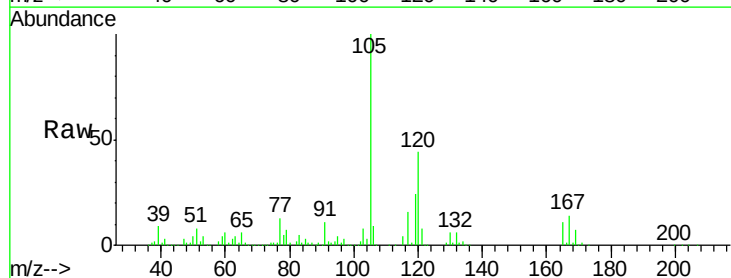
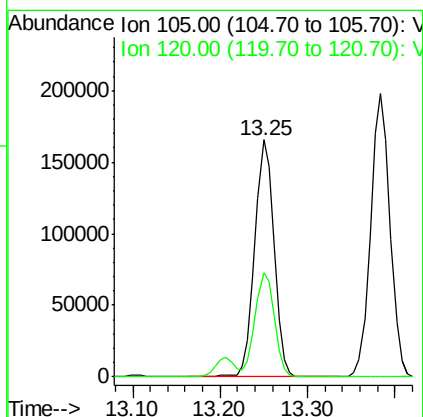
Manual Integrations
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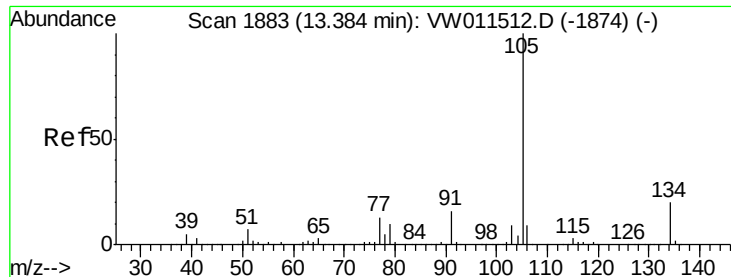
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.011 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





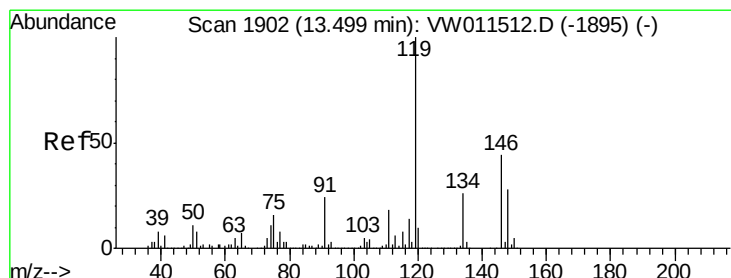
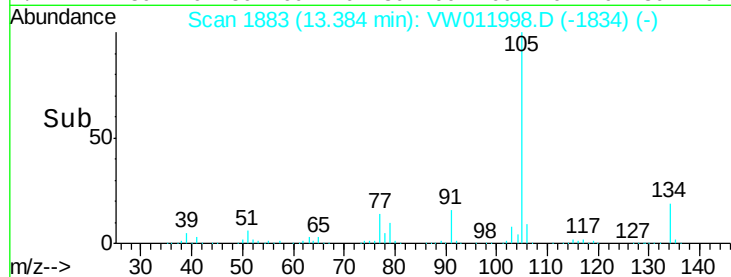
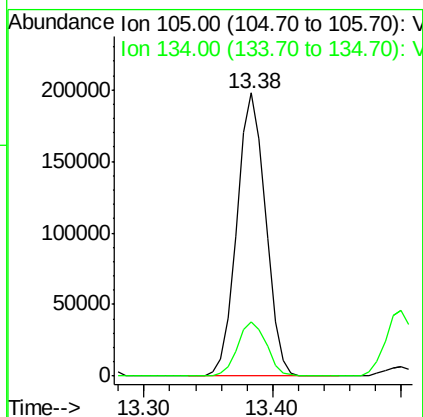
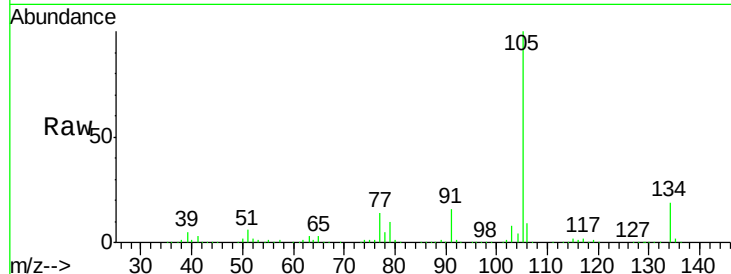
#85
 sec-Butylbenzene
 Concen: 24.438 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

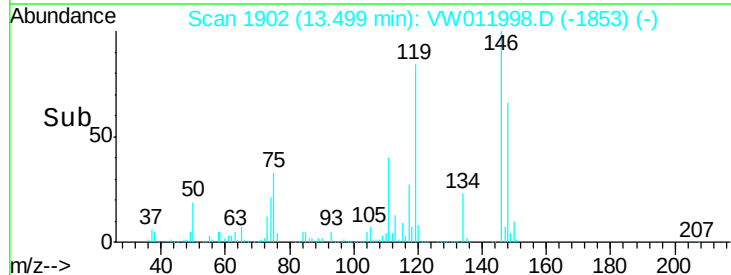
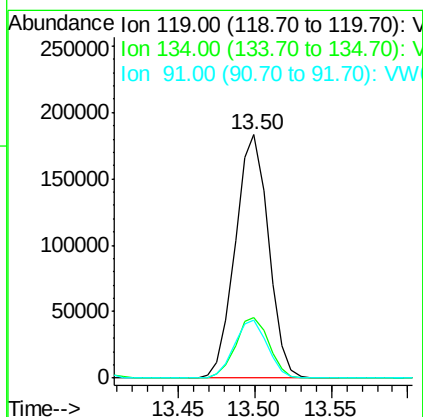
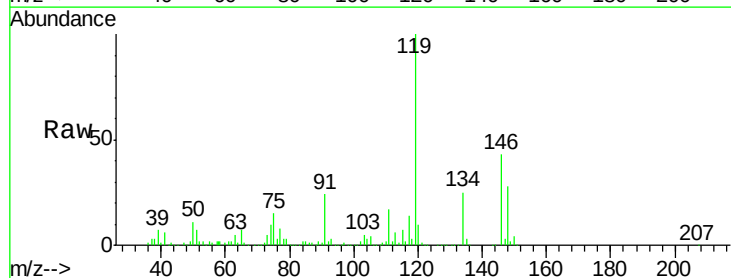
Manual Integrations
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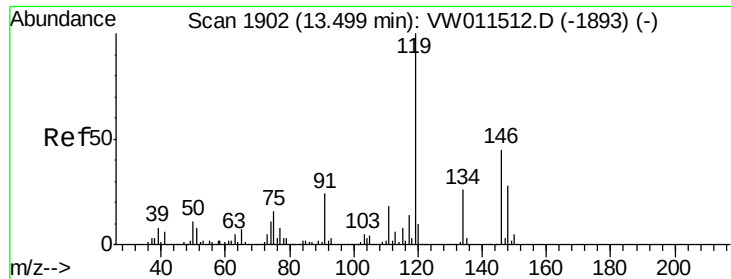
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 8/20/2019 9:55:42 AM



#86
 p-Isopropyltoluene
 Concen: 24.259 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.4
91	23.7	12.1	36.3





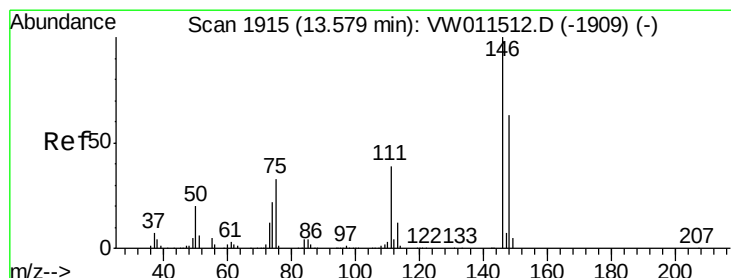
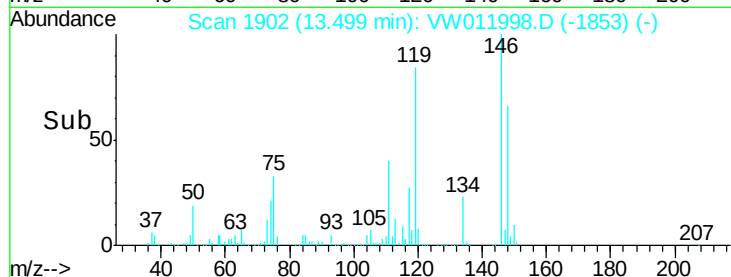
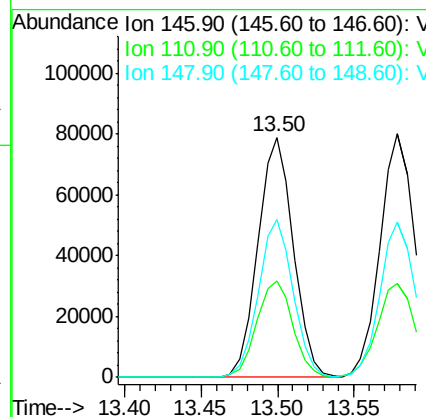
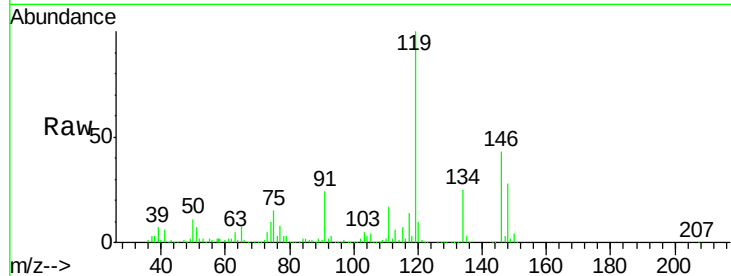
#87
 1,3-Dichlorobenzene
 Concen: 23.354 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126743		
111	41.0	20.5	61.6	
148	64.6	31.8	95.3	

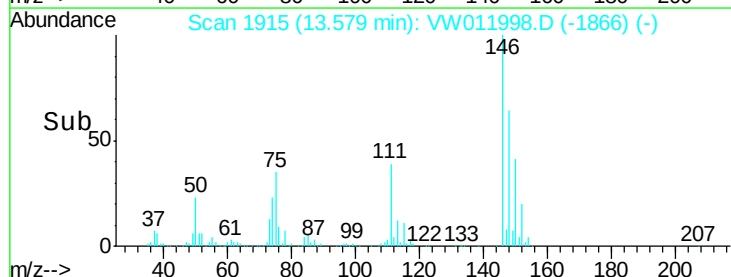
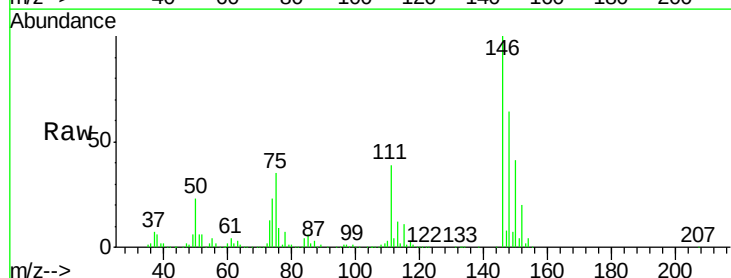
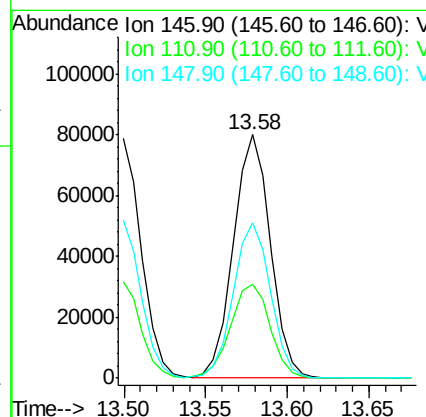
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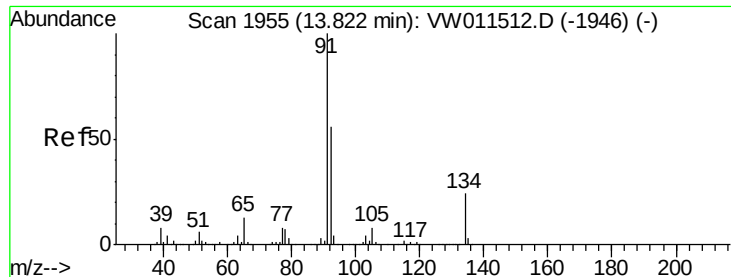
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#88
 1,4-Dichlorobenzene
 Concen: 23.376 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126197		
111	41.7	20.1	60.2	
148	64.5	31.9	95.9	





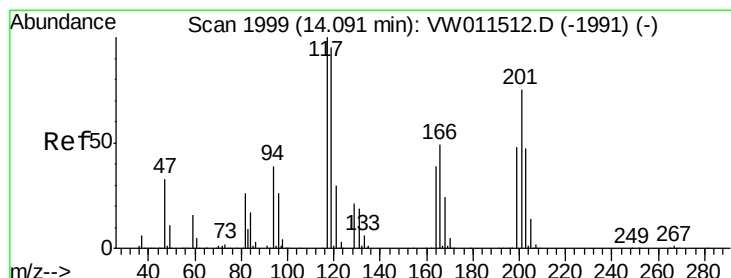
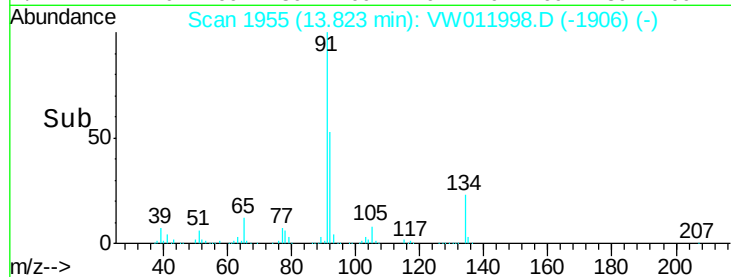
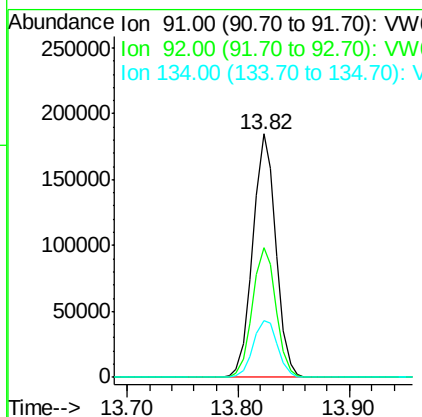
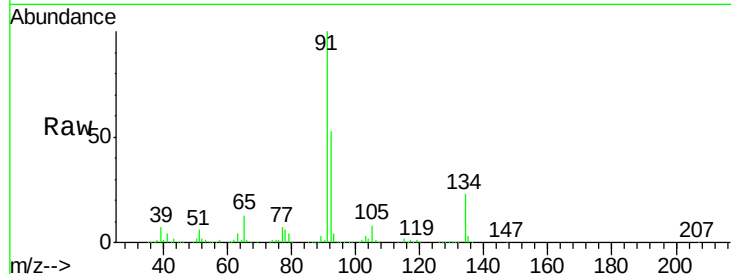
#89
n-Butylbenzene
Concen: 23.543 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampled :
VW0819SBS02

Tot Ion:	91	Resp:	266988
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	24.7	12.2	36.6

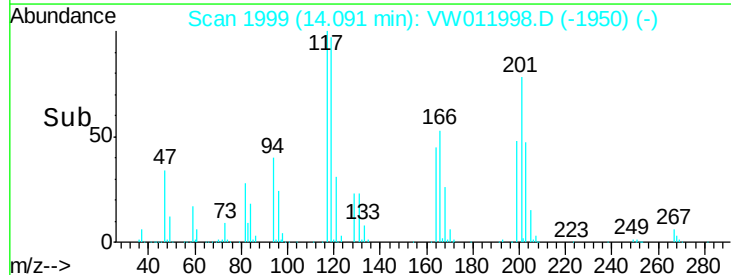
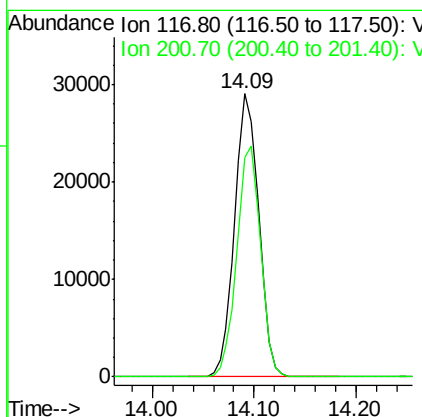
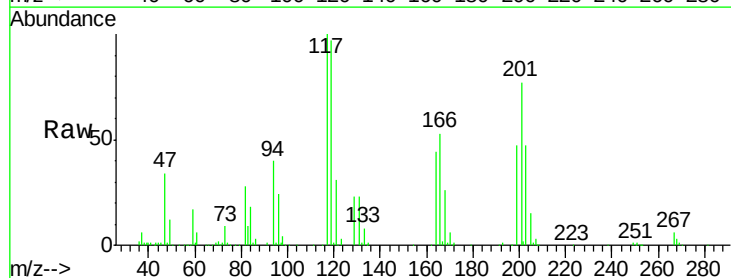
Manual Integrations
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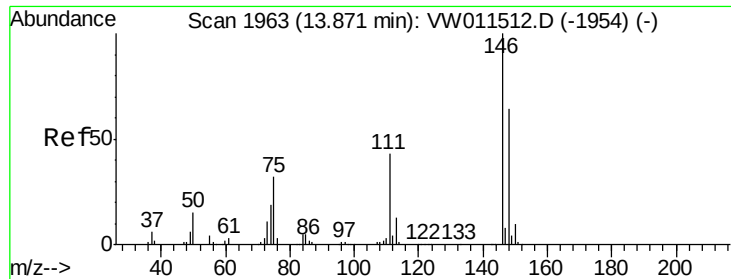
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#90
Hexachloroethane
Concen: 23.688 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion:	117	Resp:	47600
Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.4	118.2





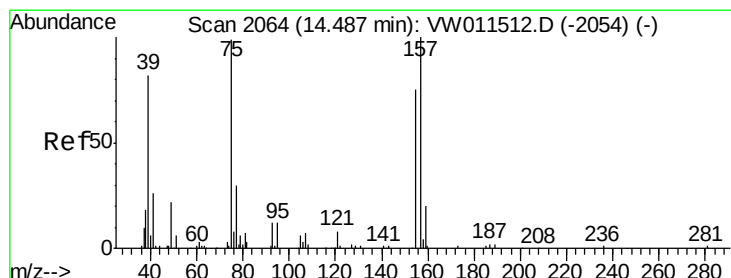
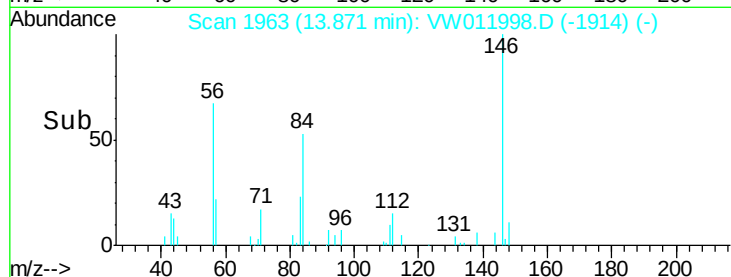
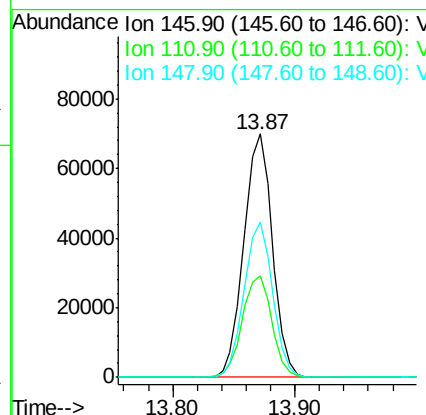
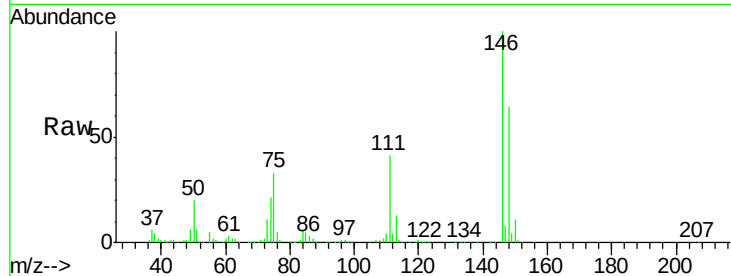
#91
 1,2-Dichlorobenzene
 Concen: 23.592 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	63.5	32.0	96.2

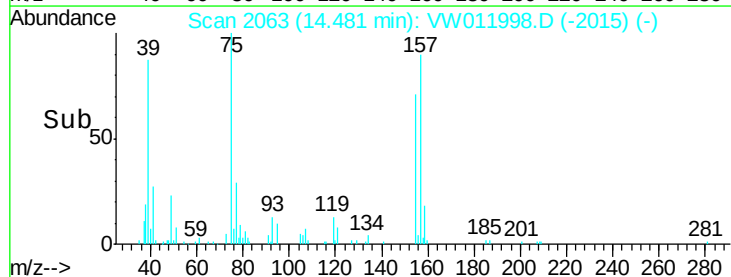
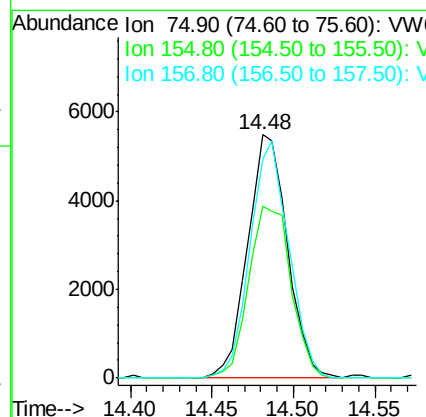
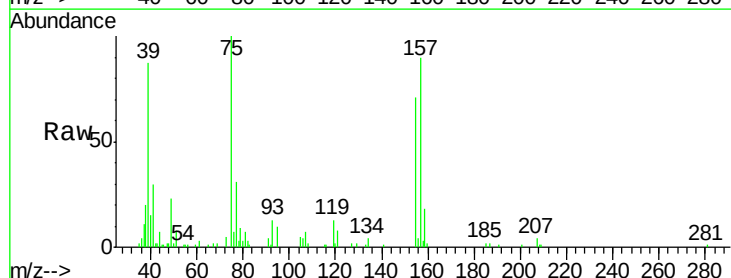
Manual Integrations
 APPROVED

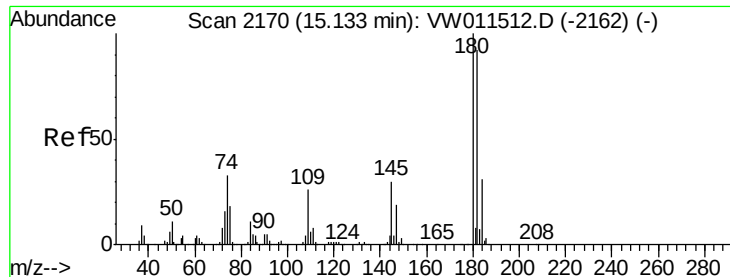
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.219 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	38.2	114.6
157	94.7	48.9	146.7





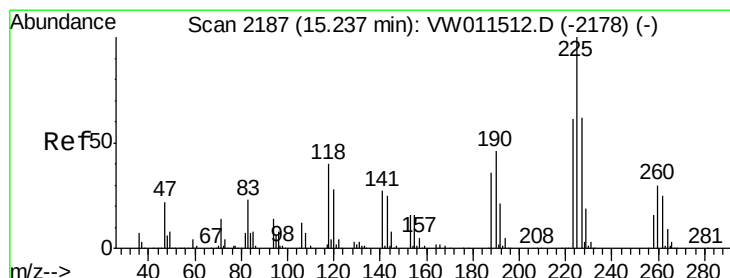
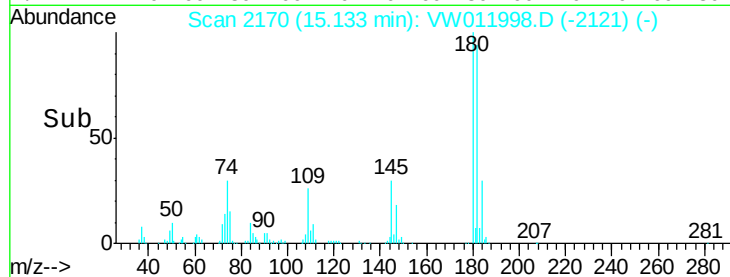
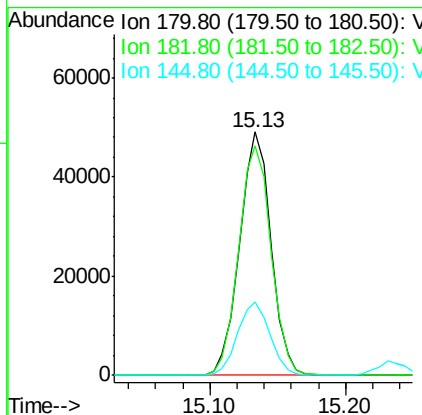
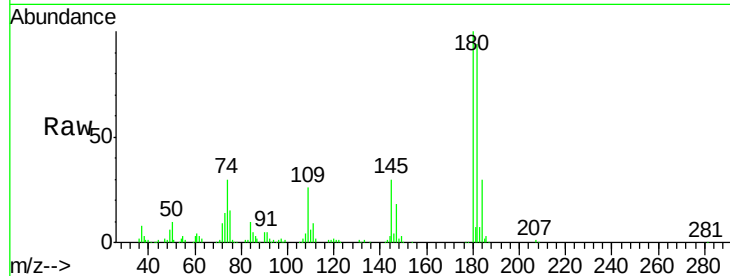
#93
 1,2,4-Trichlorobenzene
 Concen: 23.342 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Instrument :
 MSVOA_W
 Client Sampled :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78963		
182	97.6		47.4	142.2
145	31.1		15.4	46.1

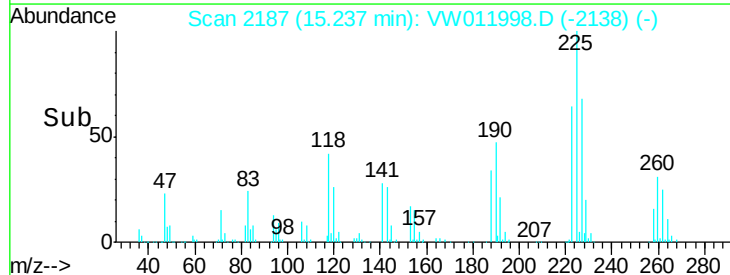
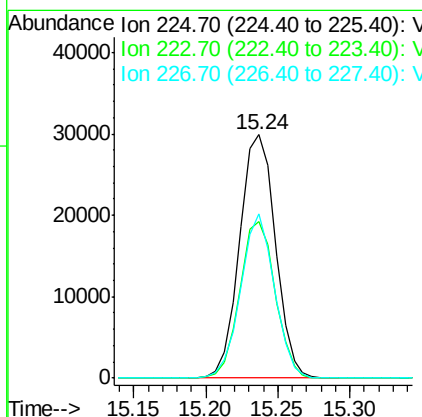
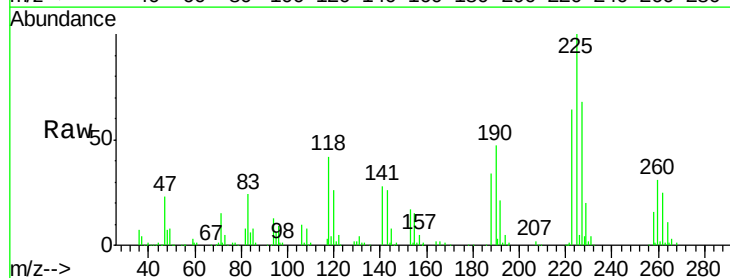
Manual Integrations
 APPROVED

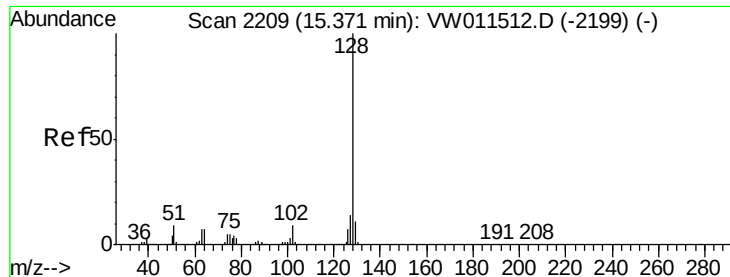
MMDadoda
 8/20/2019 9:55:42 AM



#94
 Hexachlorobutadiene
 Concen: 24.408 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011998.D
 Acq: 19 Aug 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51491		
223	63.6		30.8	92.3
227	63.3		31.6	94.7





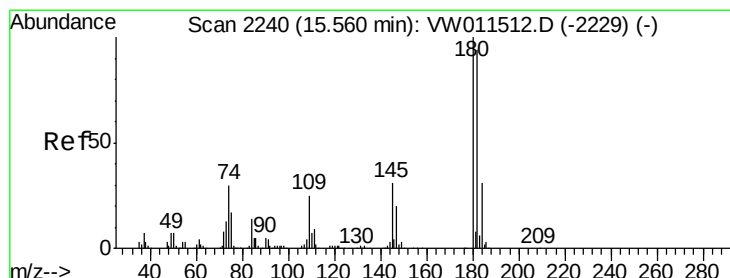
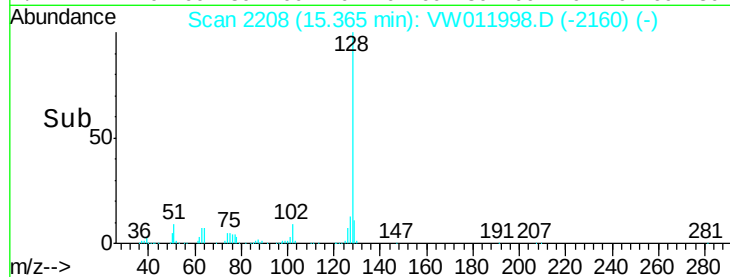
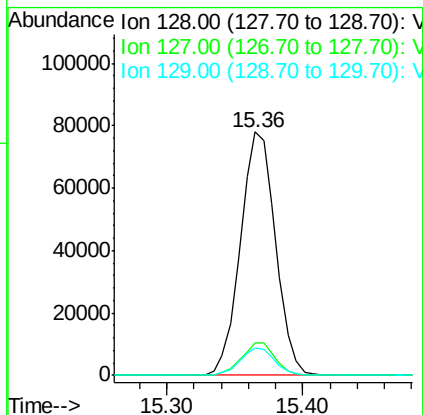
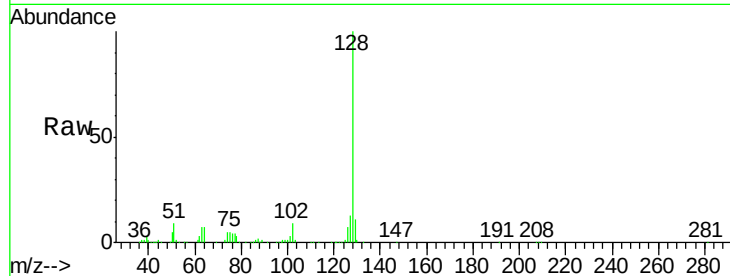
#95
Naphthalene
Concen: 22.392 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampled :
VW0819SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		140497		
127	13.0		10.6	16.0	
129	11.0		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.861 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011998.D
Acq: 19 Aug 2019 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		67788		
182	95.8		47.4	142.2	
145	32.4		15.9	47.7	

