

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012037.D
 Acq On : 20 Aug 2019 18:45
 Operator : SY/VA
 Sample : VW0820SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:30:01 AM

Quant Time: Aug 21 01:57:42 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	251579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150124	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	123919	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.32	98	502165	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.62	95	178057	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31884	22.740	ug/l	97
3) Chloromethane	2.21	50	51547	21.202	ug/l	98
4) Vinyl Chloride	2.36	62	59538	20.341	ug/l	98
5) Bromomethane	2.76	94	31381	19.369	ug/l	100
6) Chloroethane	2.91	64	33321	19.929	ug/l	98
7) Trichlorofluoromethane	3.25	101	28012	21.414	ug/l	95
8) Diethyl Ether	3.68	74	31260	21.076	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53786	21.675	ug/l	98
10) Methyl Iodide	4.27	142	72015	20.536	ug/l	99
11) Tert butyl alcohol	5.17	59	20165	82.648	ug/l	95
12) 1,1-Dichloroethene	4.04	96	53417	20.387	ug/l	98
13) Acrolein	3.89	56	11394	54.969	ug/l	94
14) Allyl chloride	4.67	41	112895	20.259	ug/l	99
15) Acrylonitrile	5.37	53	75730	102.284	ug/l	99
16) Acetone	4.12	43	73111	79.561	ug/l	99
17) Carbon Disulfide	4.38	76	152034	18.540	ug/l	99
18) Methyl Acetate	4.67	43	42912	20.787	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	89321	21.483	ug/l	100
20) Methylene Chloride	4.92	84	67342	21.249	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58030	20.543	ug/l	97
22) Diisopropyl ether	6.31	45	223550	21.277	ug/l	95
23) Vinyl Acetate	6.25	43	676533	102.476	ug/l	100
24) 1,1-Dichloroethane	6.21	63	117651	20.908	ug/l	99
25) 2-Butanone	7.17	43	110409	91.820	ug/l	100
26) 2,2-Dichloropropane	7.17	77	64040	18.506	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64273	20.674	ug/l	98
28) Bromochloromethane	7.51	49	54907	21.984	ug/l #	98
29) Tetrahydrofuran	7.53	42	71121	103.475	ug/l	99
30) Chloroform	7.67	83	109702	21.132	ug/l	96
31) Cyclohexane	7.95	56	110325	20.425	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	84791	21.447	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88851	21.066	ug/l	98
37) Ethyl Acetate	7.26	43	50631	20.865	ug/l	98
38) Carbon Tetrachloride	8.07	117	75904	21.022	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	98796	21.273	ug/l	96
40) Benzene	8.32	78	247783	20.973	ug/l	99
41) Methacrylonitrile	7.48	41	29027	20.011	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76864	20.780	ug/l	99
43) Isopropyl Acetate	8.42	43	94253	21.120	ug/l	99
44) Trichloroethene	9.09	130	60592	21.339	ug/l	100
45) 1,2-Dichloropropane	9.37	63	67141	21.240	ug/l	99
46) Dibromomethane	9.46	93	29717	20.597	ug/l	98
47) Bromodichloromethane	9.65	83	78351	20.702	ug/l	98
48) Methyl methacrylate	9.44	41	44178	20.608	ug/l	95
49) 1,4-Dioxane	9.45	88	9847	471.359	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	241525	104.048	ug/l	99
52) Toluene	10.39	92	150725	21.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	80664	20.403	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	96605	20.551	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43195	21.101	ug/l	98
56) Ethyl methacrylate	10.65	69	62782	20.958	ug/l	98
57) 1,3-Dichloropropane	10.93	76	80321	20.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	170029	125.012	ug/l	100
59) 2-Hexanone	10.97	43	164256	100.219	ug/l	98
60) Dibromochloromethane	11.13	129	46647	20.528	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39746	20.517	ug/l	99
64) Tetrachloroethene	10.86	164	50061	21.907	ug/l	99
65) Chlorobenzene	11.66	112	151152	21.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52230	21.251	ug/l	99
67) Ethyl Benzene	11.73	91	288952	21.502	ug/l	99
68) m/p-Xylenes	11.84	106	208439	42.651	ug/l	100
69) o-Xylene	12.16	106	98860	21.769	ug/l	100
70) Styrene	12.18	104	170623	21.730	ug/l	99
71) Bromoform	12.35	173	25782	20.574	ug/l	# 98
73) Isopropylbenzene	12.46	105	273355	21.603	ug/l	99
74) N-amyl acetate	12.27	43	83782	21.149	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51268	21.540	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35298m	19.668	ug/l	
77) Bromobenzene	12.75	156	60181	21.518	ug/l	98
78) n-propylbenzene	12.80	91	332636	21.601	ug/l	100
79) 2-Chlorotoluene	12.89	91	188017	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227750	21.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16136	20.721	ug/l	97
82) 4-Chlorotoluene	12.99	91	197919	21.263	ug/l	100
83) tert-Butylbenzene	13.21	119	194242	21.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	228301	21.367	ug/l	100
85) sec-Butylbenzene	13.38	105	277011	21.888	ug/l	99
86) p-Isopropyltoluene	13.50	119	245395	21.370	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	116101	21.171	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	114841	21.052	ug/l	98
89) n-Butylbenzene	13.82	91	241819	21.102	ug/l	99
90) Hexachloroethane	14.09	117	42502	20.932	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	102393	21.111	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8306	20.465	ug/l	97

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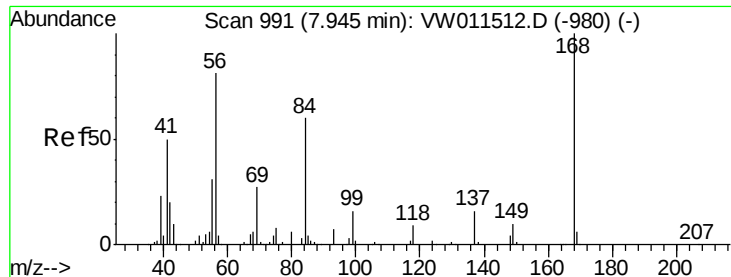
Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:30:01 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69869	20.440	ug/l	99
94) Hexachlorobutadiene	15.24	225	45566	21.375	ug/l	98
95) Naphthalene	15.36	128	126244	20.141	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	62272	20.783	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion:168 Resp: 251579

Ion Ratio Lower Upper

168 100

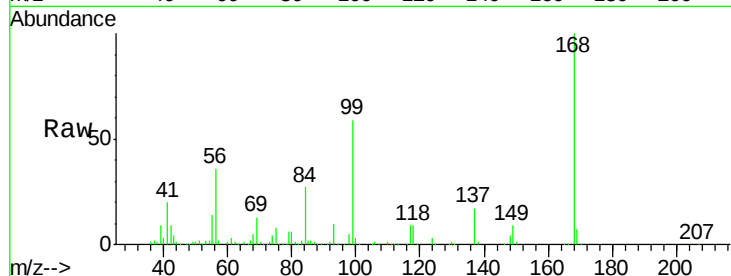
99 59.2 48.2 72.4

Manual Integrations

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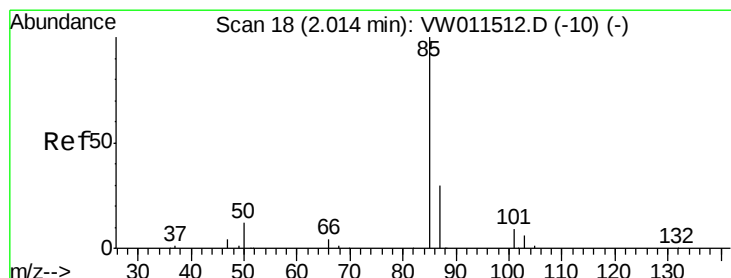
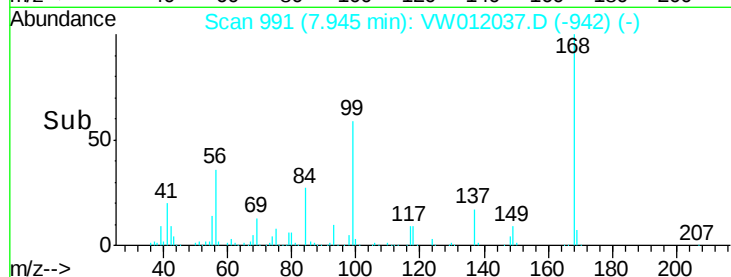
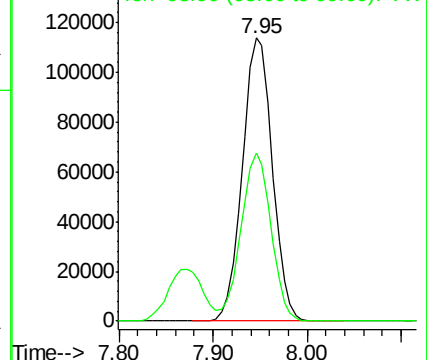
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.740 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012037.D

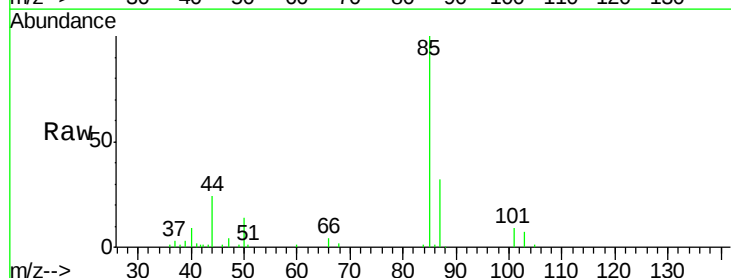
Acq: 20 Aug 2019 18:45

Tgt Ion: 85 Resp: 31884

Ion Ratio Lower Upper

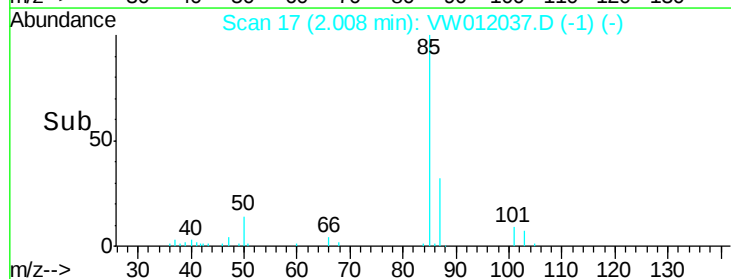
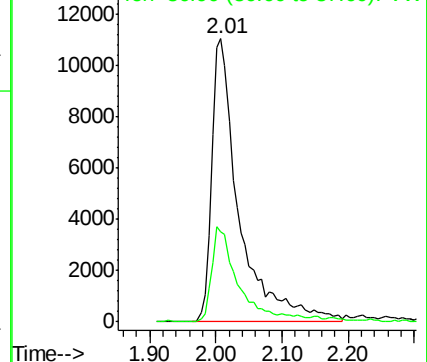
85 100

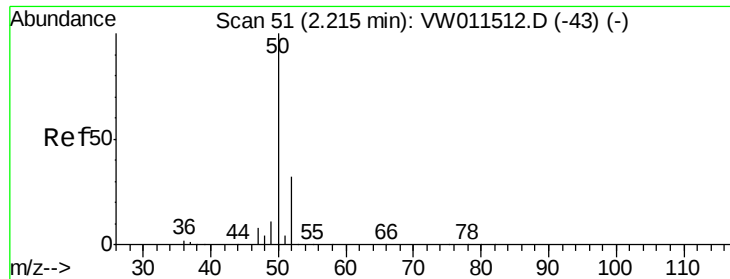
87 31.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.202 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion: 50 Resp: 51547

Ion Ratio Lower Upper

50 100

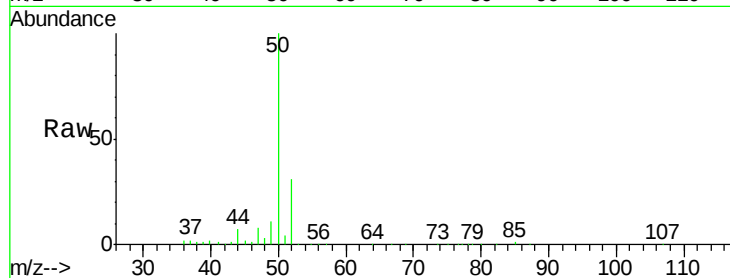
52 30.9 25.4 38.2

Manual Integrations

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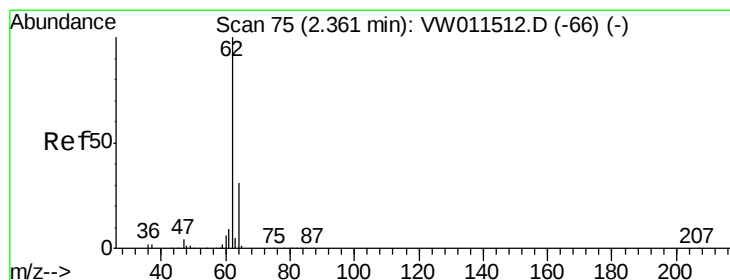
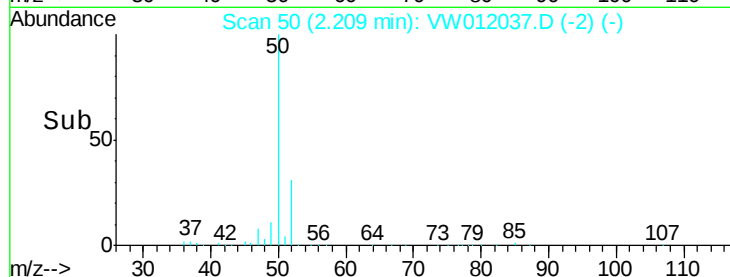
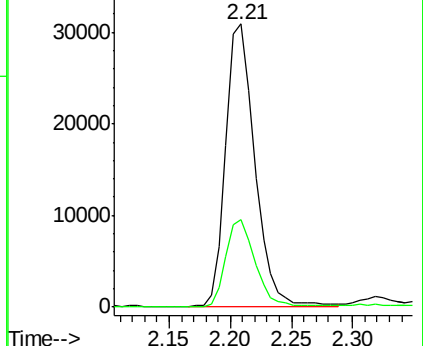
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.341 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012037.D

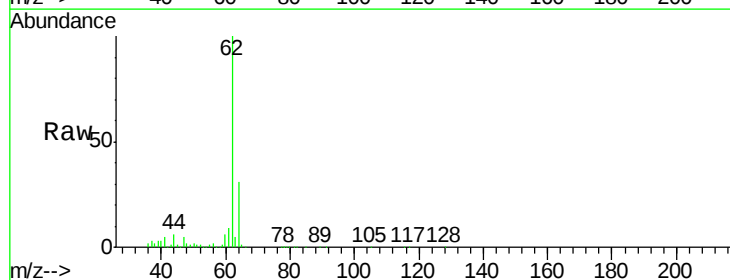
Acq: 20 Aug 2019 18:45

Tgt Ion: 62 Resp: 59538

Ion Ratio Lower Upper

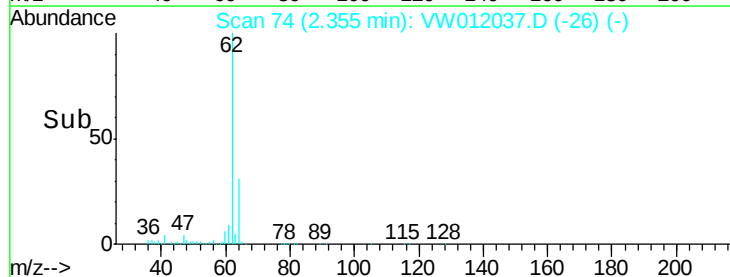
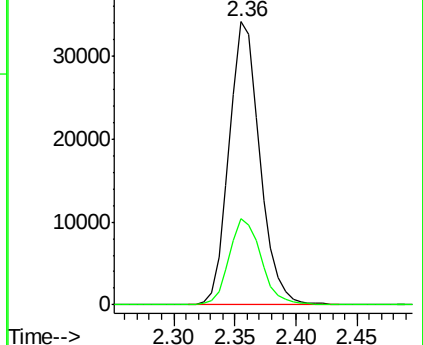
62 100

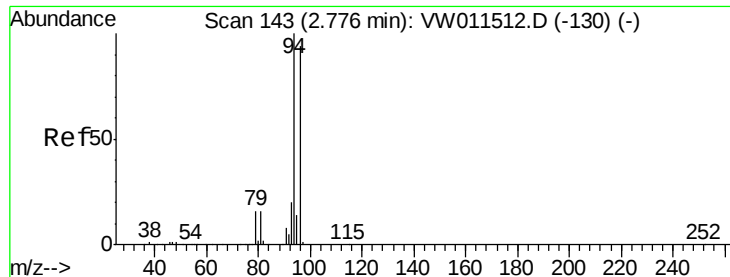
64 30.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.369 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion: 94 Resp: 31381

Ion Ratio Lower Upper

94 100

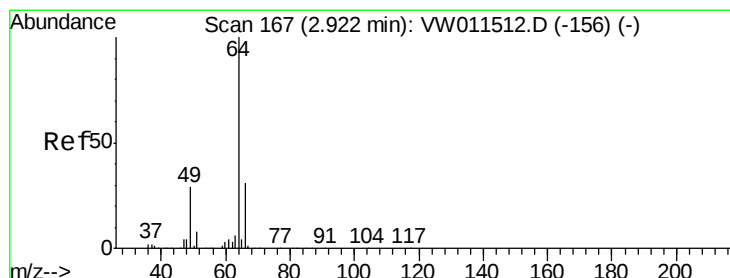
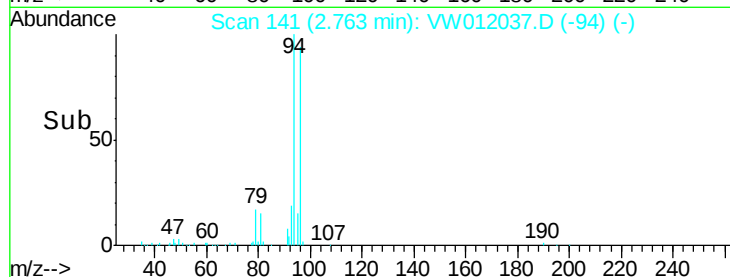
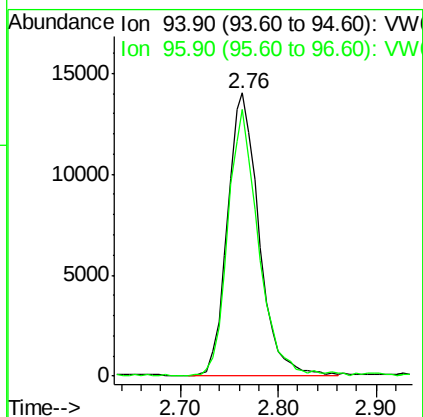
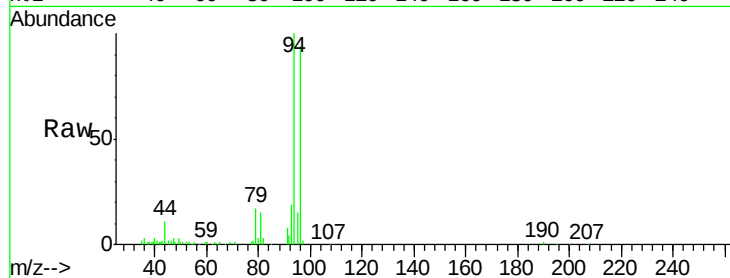
96 94.3 75.0 112.6

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#6

Chloroethane

Concen: 19.929 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012037.D

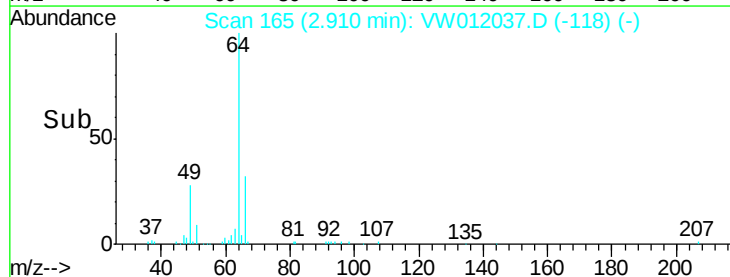
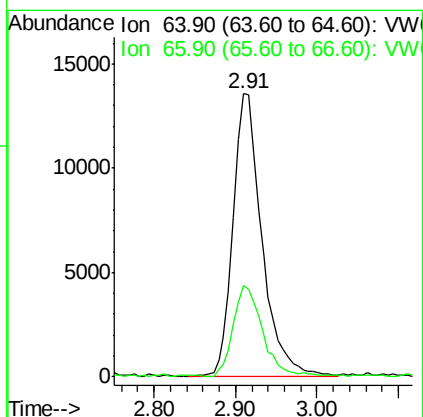
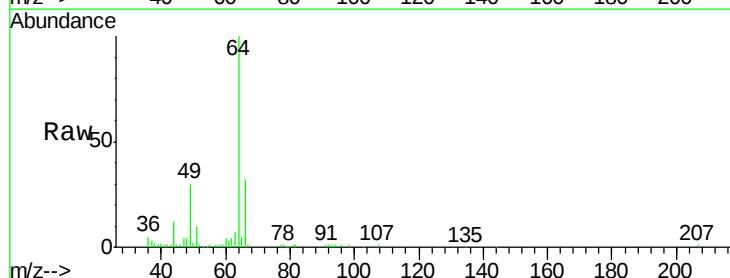
Acq: 20 Aug 2019 18:45

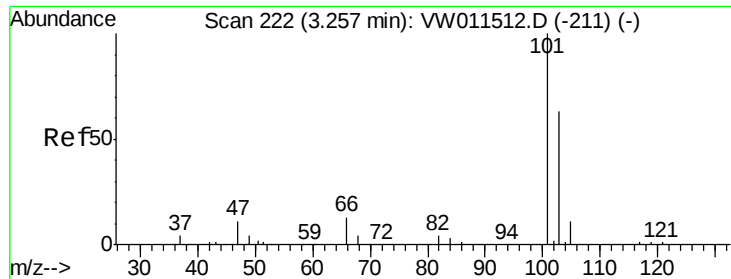
Tgt Ion: 64 Resp: 33321

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8





#7

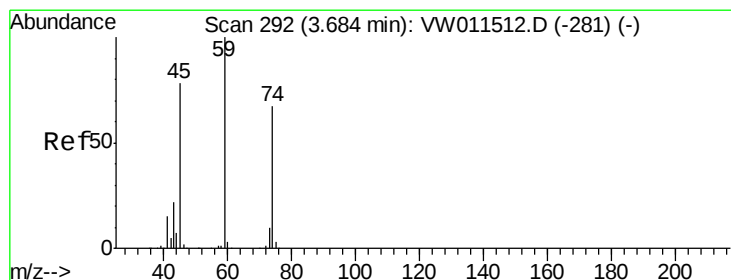
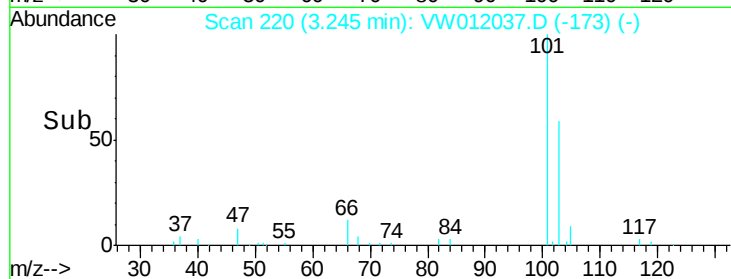
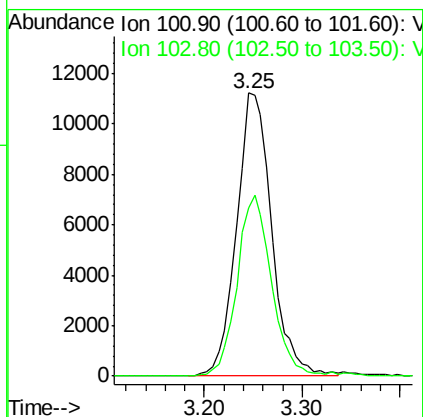
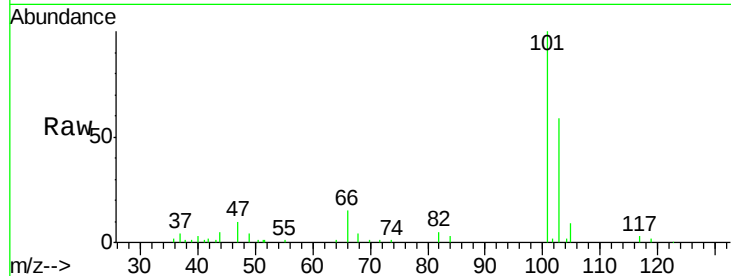
Trichlorofluoromethane
 Concen: 21.414 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
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 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	50.2	75.4

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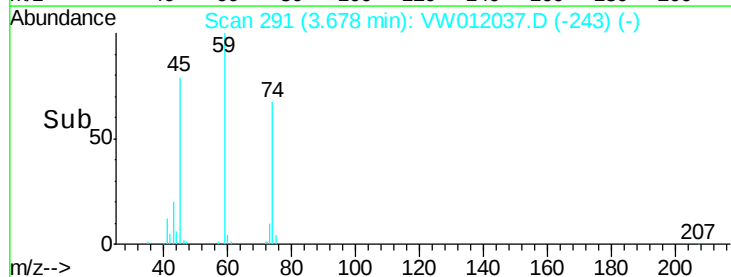
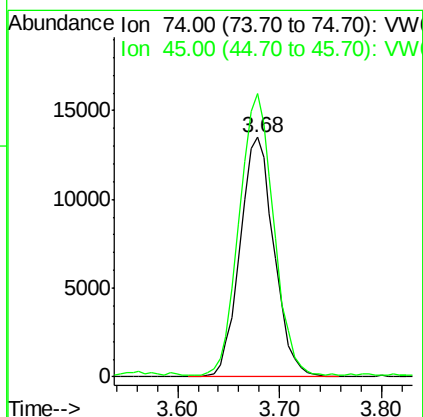
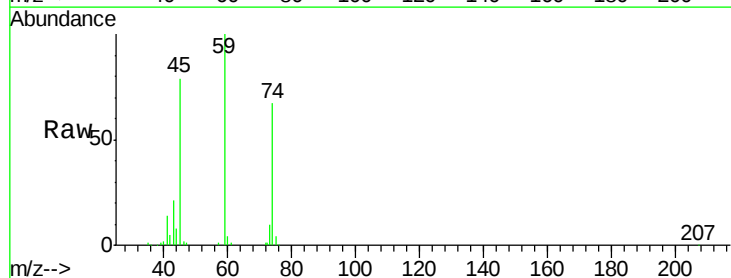
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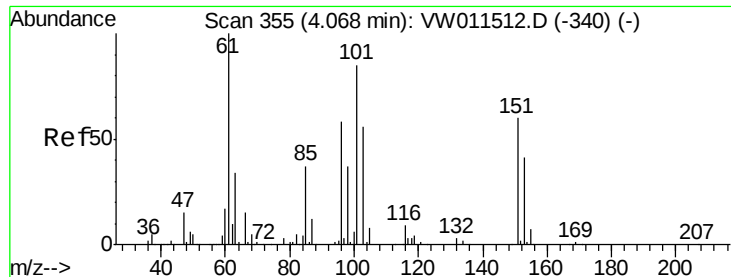


#8

Diethyl Ether
 Concen: 21.076 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.9	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.675 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

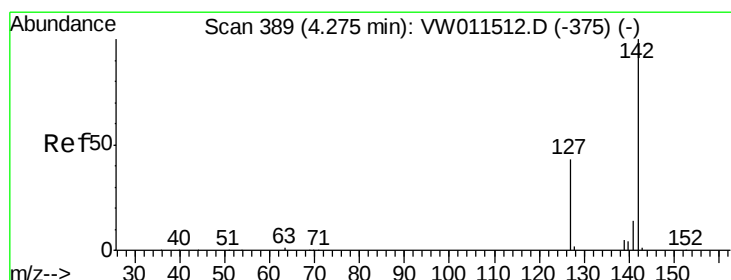
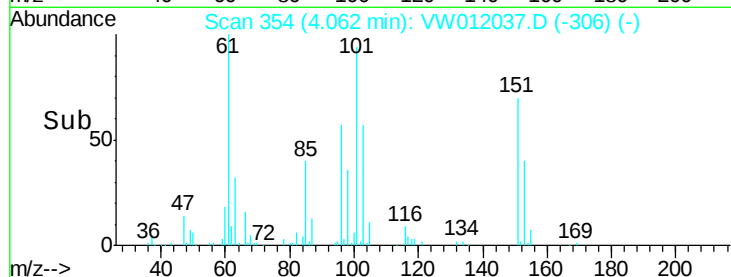
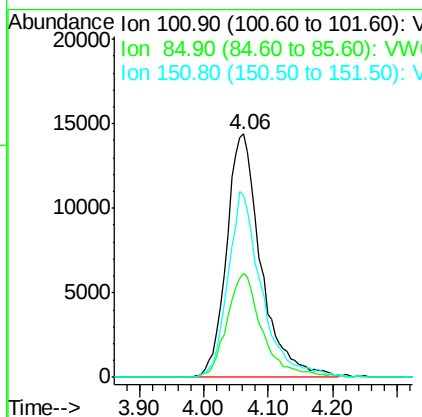
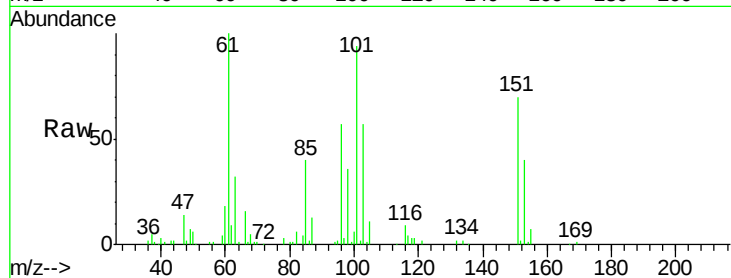
ClientSampleId :

VW0820SBS02

Tot Ion:	101	Resp:	53786
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.6	54.8
151	74.3	60.2	90.2

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#10

Methyl Iodide

Concen: 20.536 ug/l

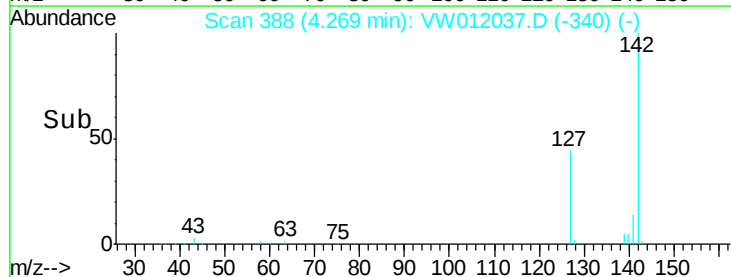
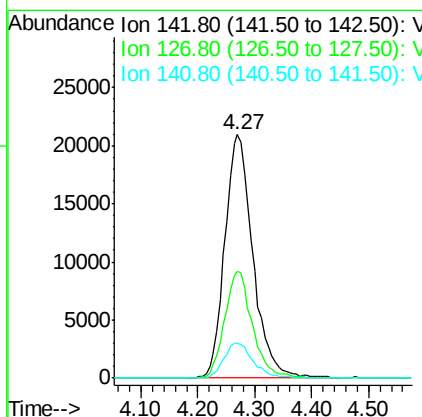
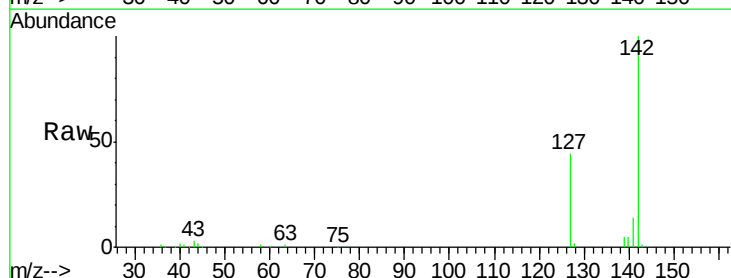
RT: 4.27 min Scan# 388

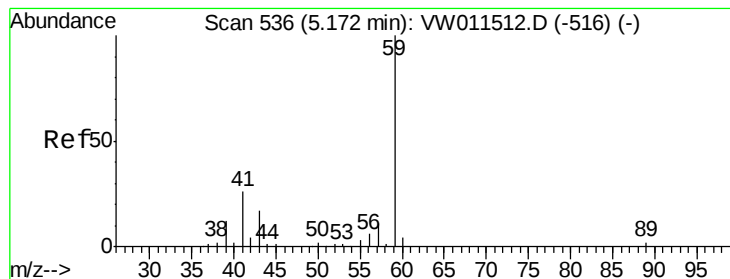
Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion:	142	Resp:	72015
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.6
141	14.8	11.9	17.9





#11

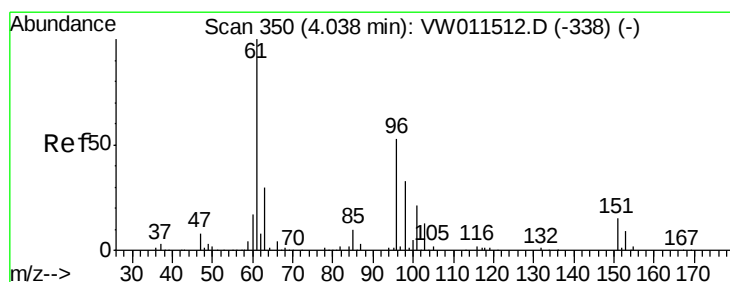
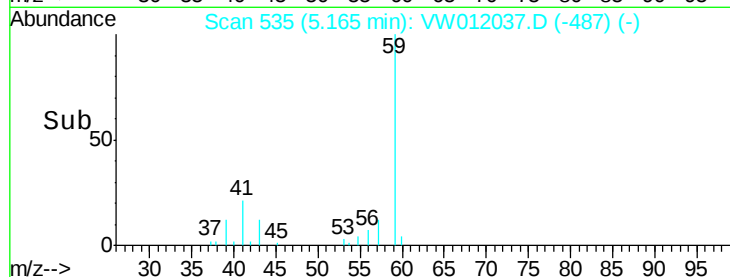
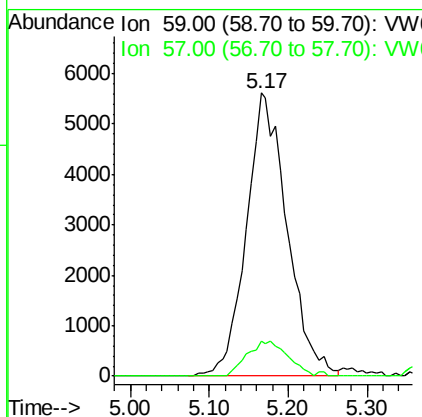
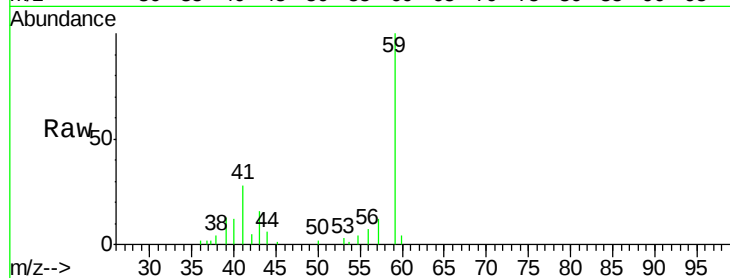
Tert butyl alcohol
 Concen: 82.648 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	20165
Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.5	12.7

Manual Integrations
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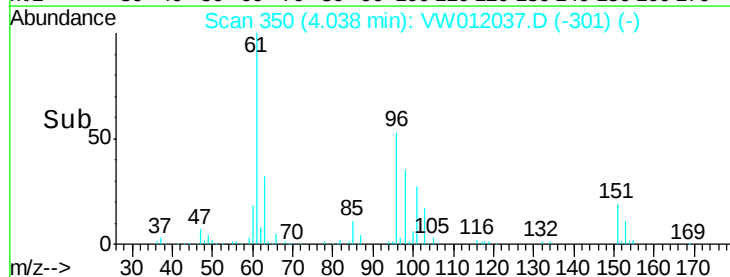
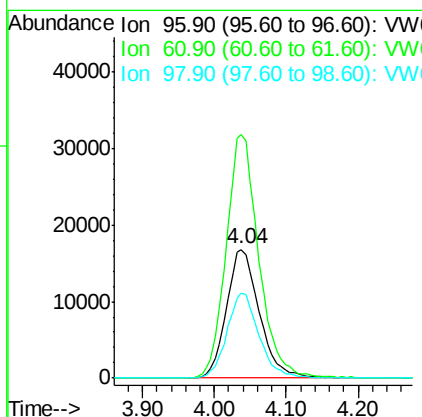
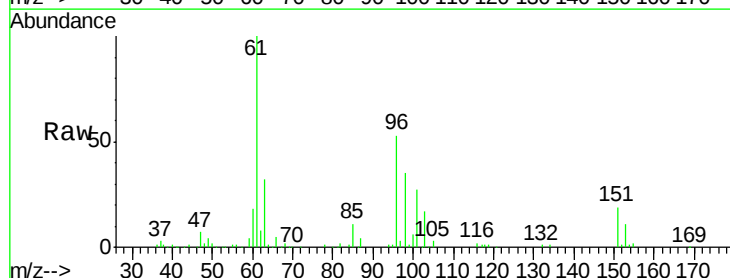
MMDadoda
 8/21/2019 8:30:01 AM

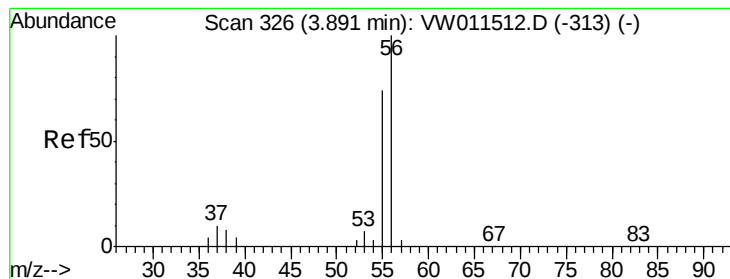


#12

1,1-Dichloroethene
 Concen: 20.387 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	96	Resp	53417
Ion	Ratio	Lower	Upper
96	100		
61	188.9	149.9	224.9
98	66.0	49.1	73.7





#13

Acrolein

Concen: 54.969 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion: 56 Resp: 11394

Ion Ratio Lower Upper

56 100

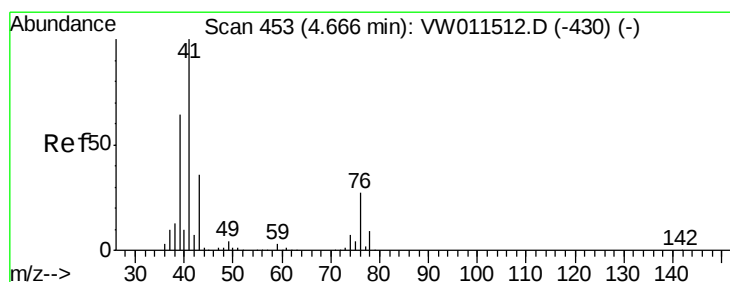
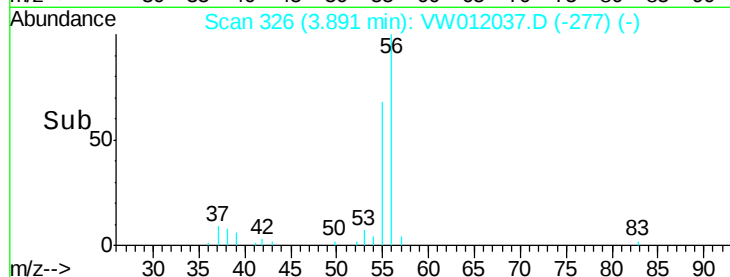
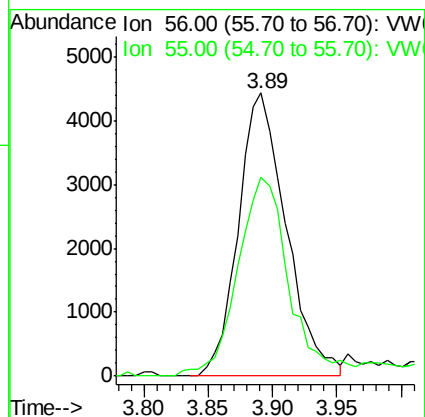
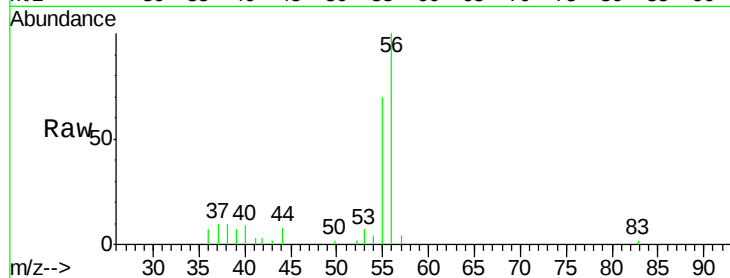
55 75.3 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.259 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

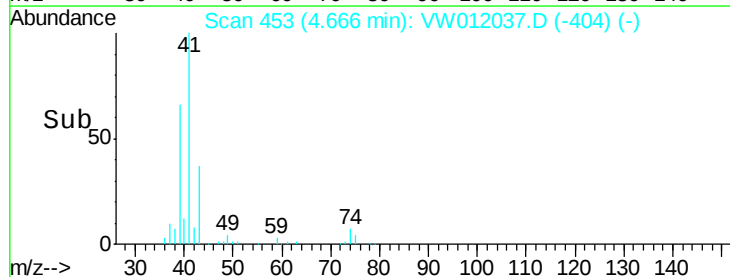
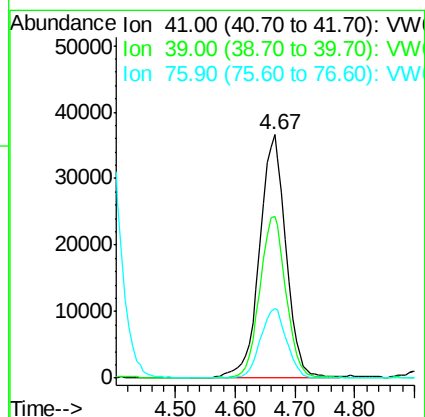
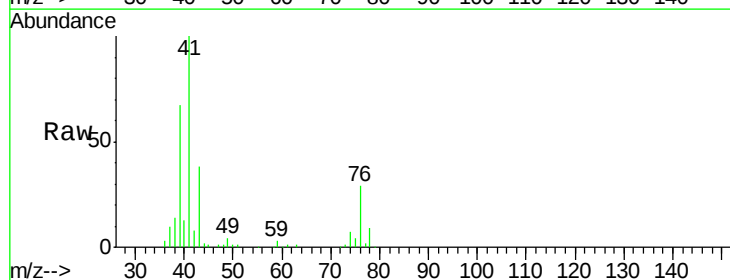
Tgt Ion: 41 Resp: 112895

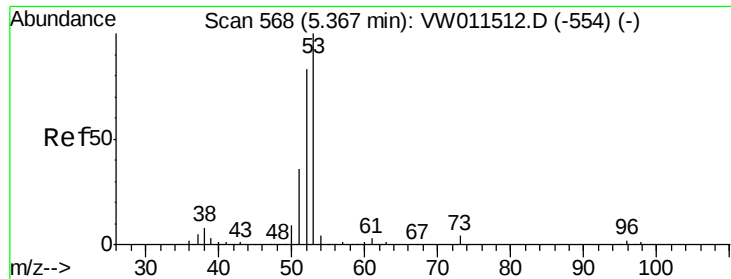
Ion Ratio Lower Upper

41 100

39 64.7 52.6 78.8

76 28.2 22.0 33.0





#15

Acrylonitrile

Concen: 102.284 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

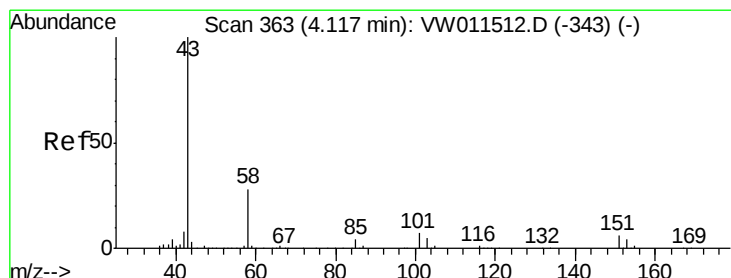
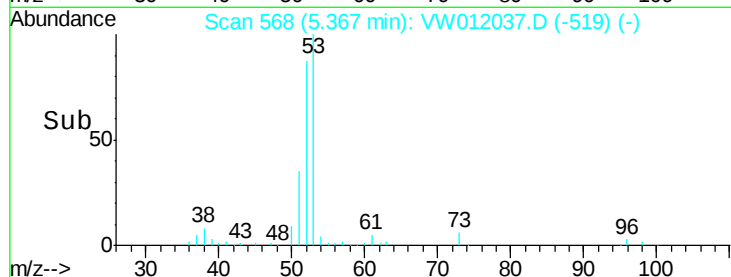
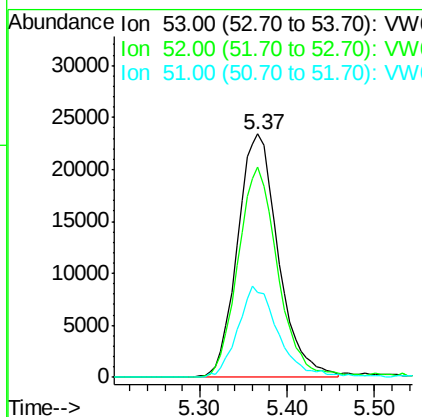
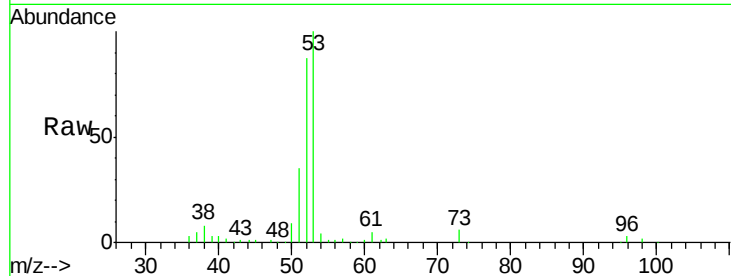
ClientSampleId :

VW0820SBSD02

Tot Ion:	53	Resp:	75730
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.2	100.8
51	37.4	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 79.561 ug/l

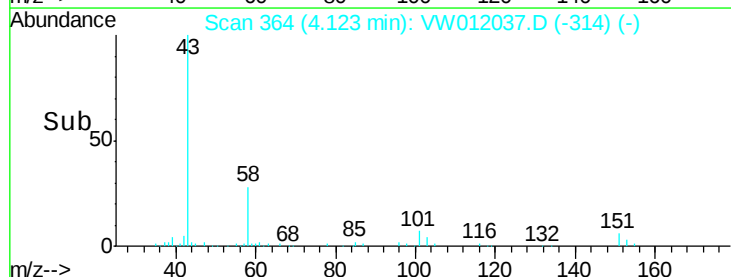
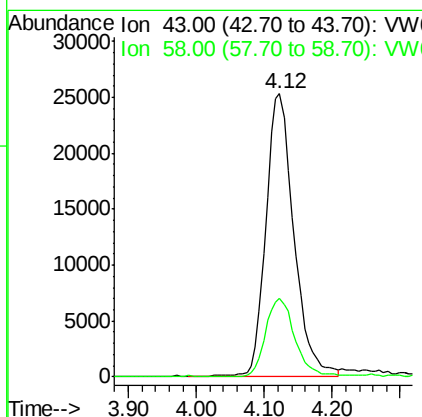
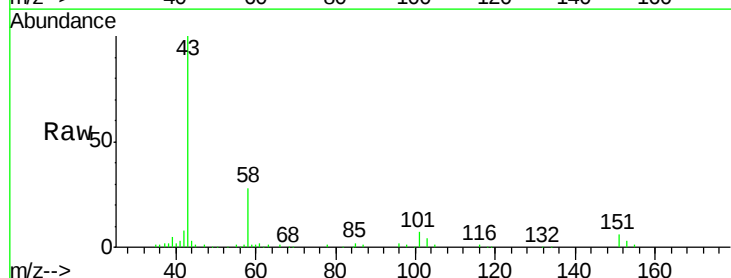
RT: 4.12 min Scan# 364

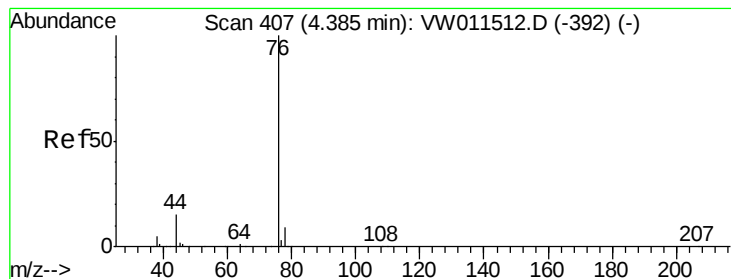
Delta R.T. 0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion:	43	Resp:	73111
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.3	33.5





#17

Carbon Disulfide

Concen: 18.540 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion: 76 Resp: 152034

Ion Ratio Lower Upper

76 100

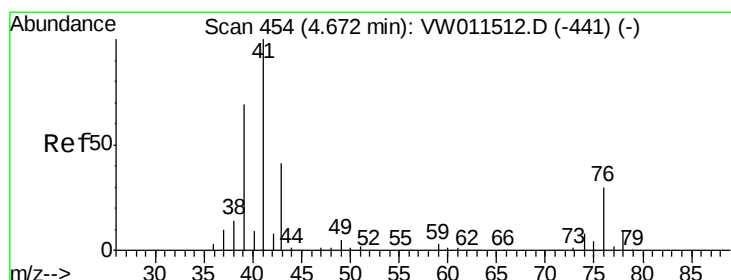
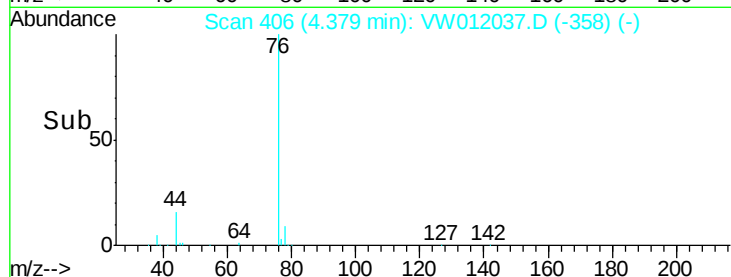
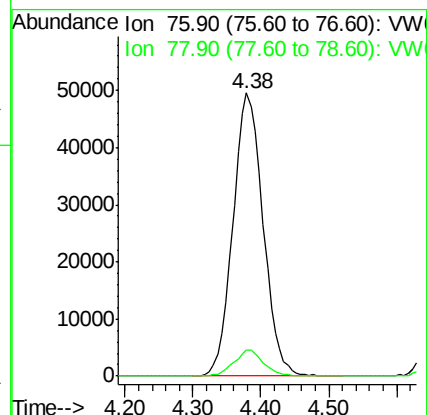
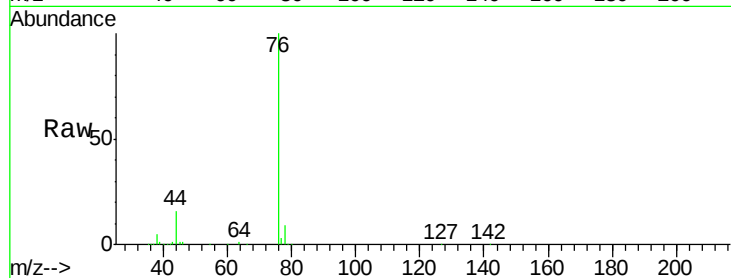
78 9.4 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 20.787 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012037.D

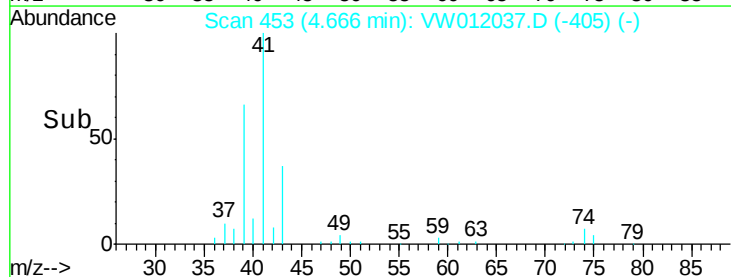
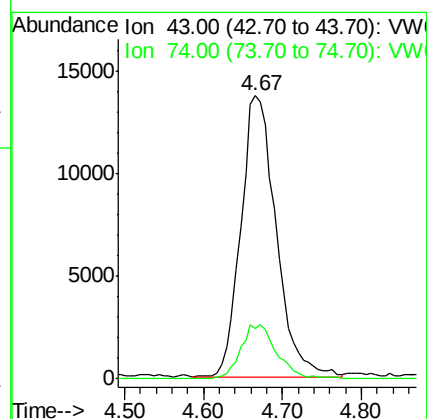
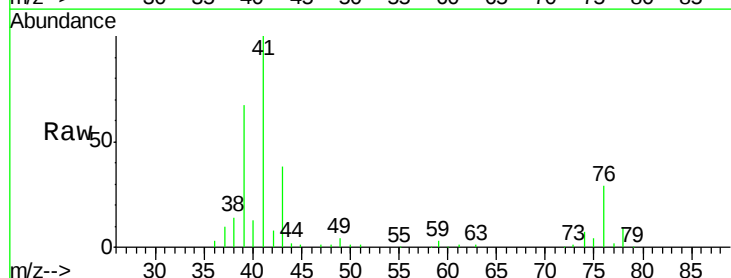
Acq: 20 Aug 2019 18:45

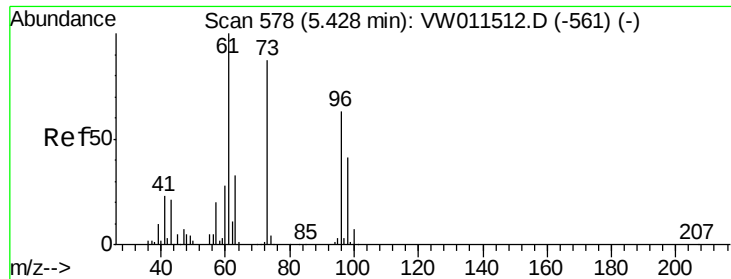
Tgt Ion: 43 Resp: 42912

Ion Ratio Lower Upper

43 100

74 19.6 15.9 23.9





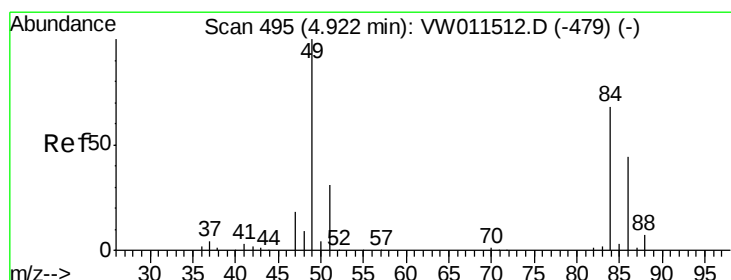
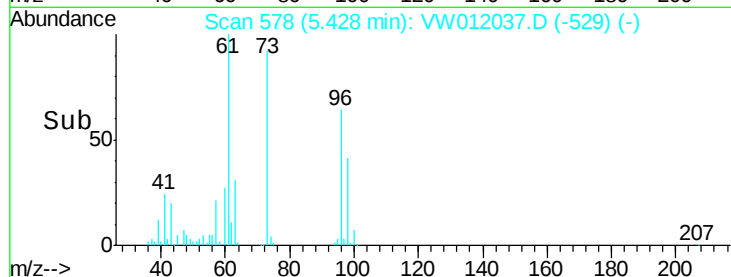
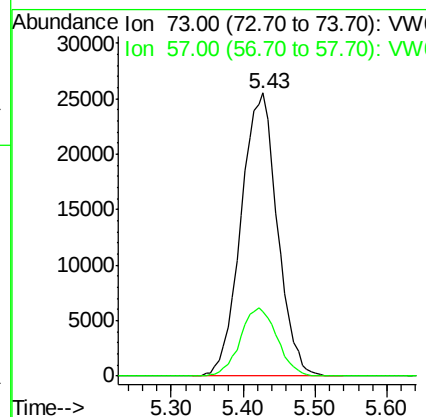
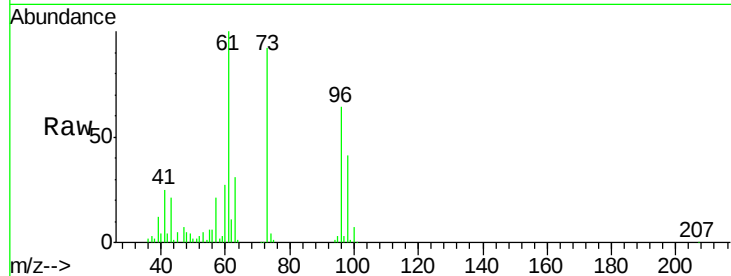
#19
Methyl tert-butyl Ether
Concen: 21.483 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 73 Resp: 89321
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

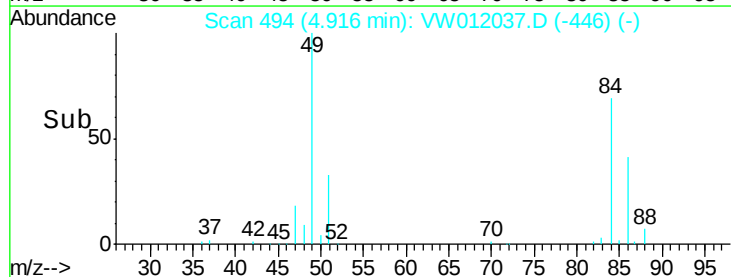
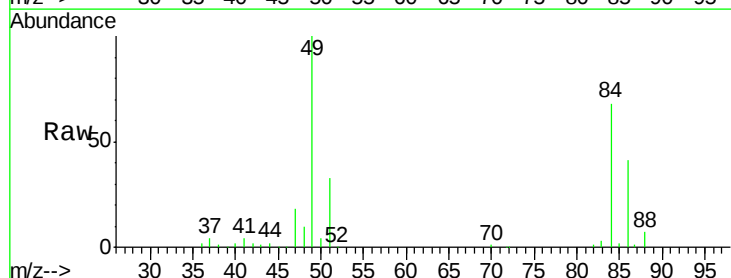
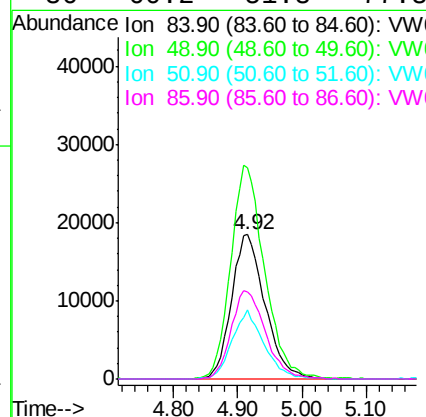
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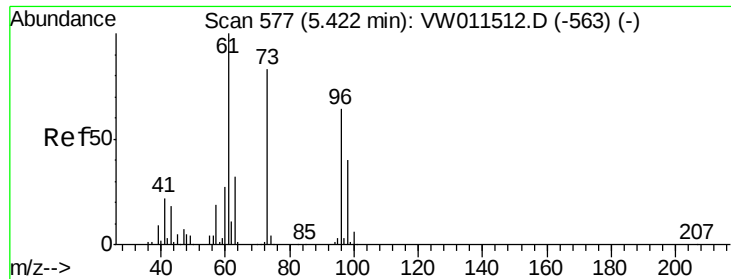
MMDadoda
8/21/2019 8:30:01 AM



#20
Methylene Chloride
Concen: 21.249 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 84 Resp: 67342
Ion Ratio Lower Upper
84 100
49 146.4 117.8 176.6
51 48.0 37.0 55.4
86 60.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.543 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

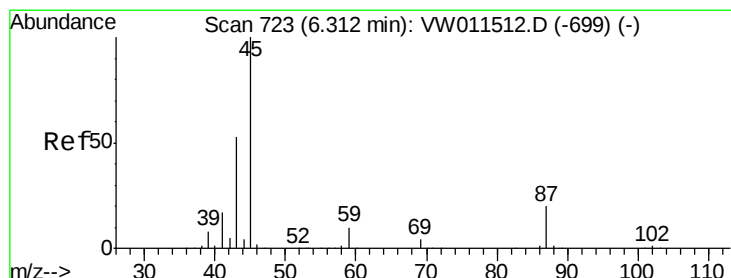
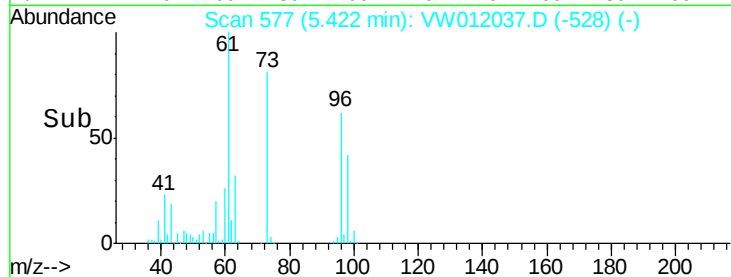
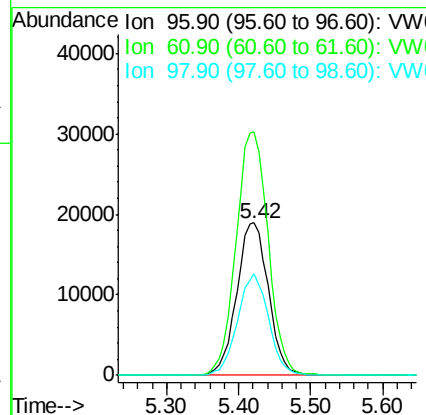
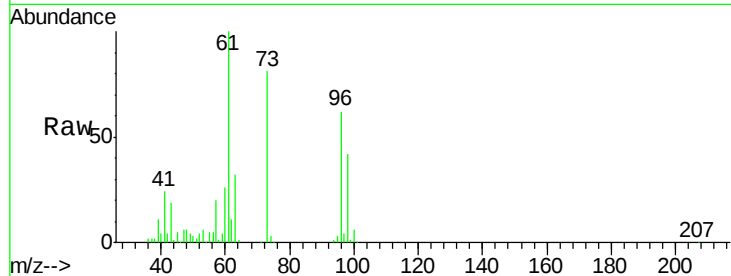
ClientSampleId :

VW0820SBS02

Tot Ion:	96	Resp:	58030
Ion	Ratio	Lower	Upper
96	100		
61	160.1	125.7	188.5
98	66.5	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.277 ug/l

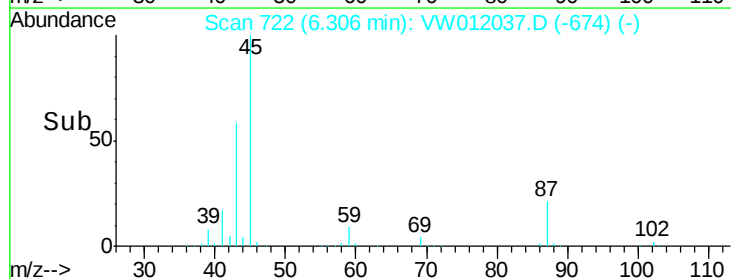
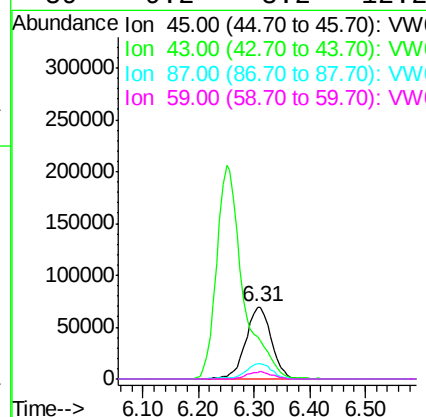
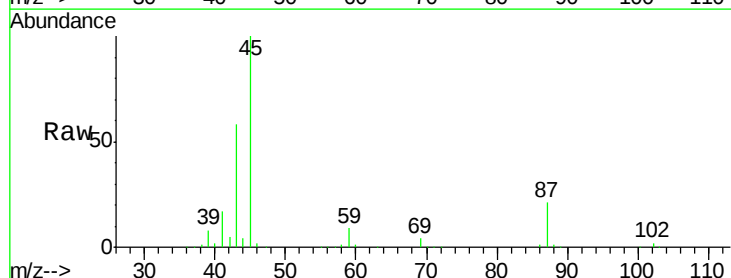
RT: 6.31 min Scan# 722

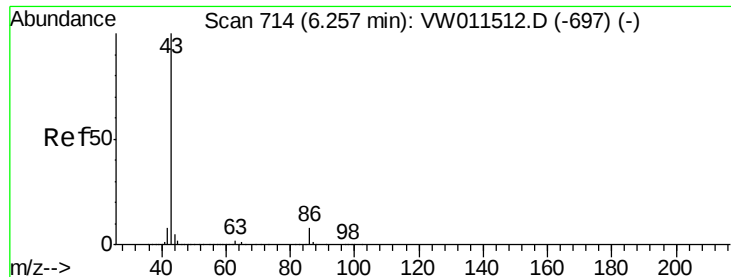
Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion:	45	Resp:	223550
Ion	Ratio	Lower	Upper
45	100		
43	57.8	42.6	63.8
87	21.5	16.4	24.6
59	9.2	8.2	12.2





#23

Vinyl Acetate

Concen: 102.476 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 676533

Ion Ratio Lower Upper

43 100

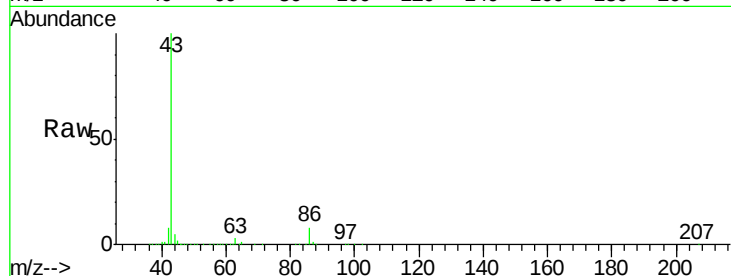
86 8.2 6.5 9.7

Manual Integrations

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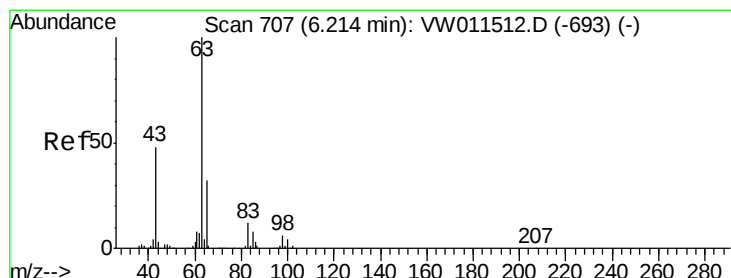
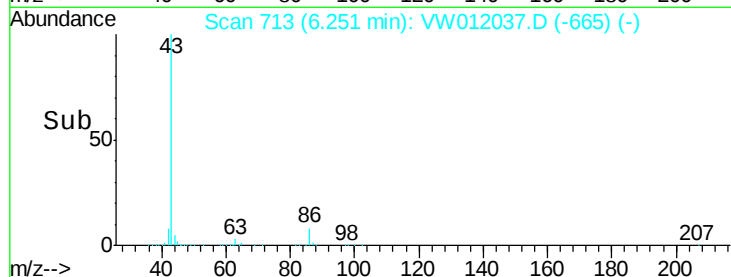
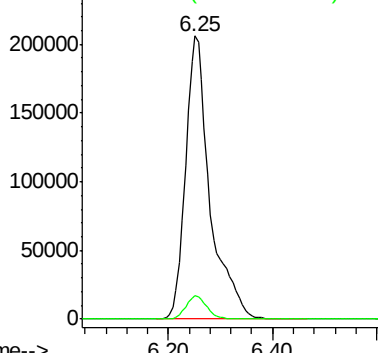
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.908 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

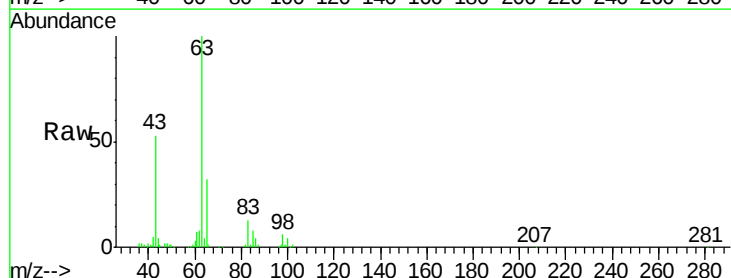
Tgt Ion: 63 Resp: 117651

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

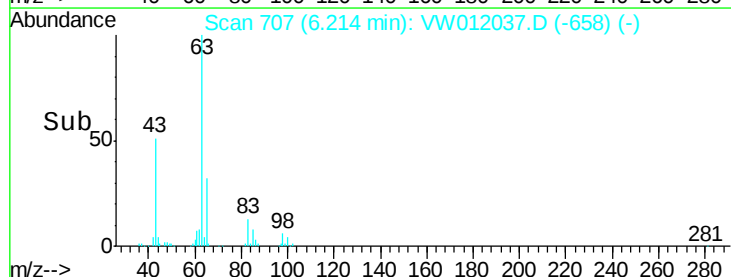
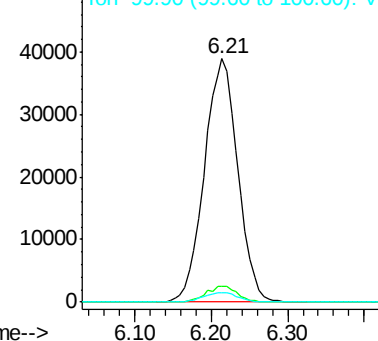
100 3.9 2.1 6.3

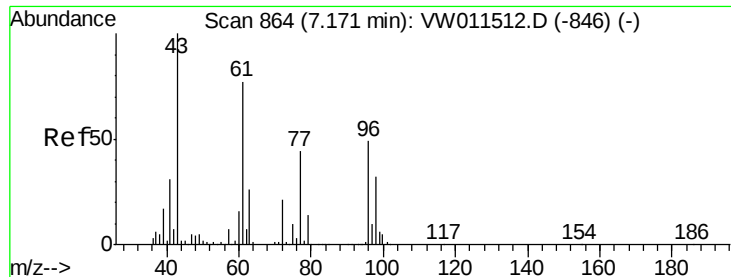


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 91.820 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 110409

Ion Ratio Lower Upper

43 100

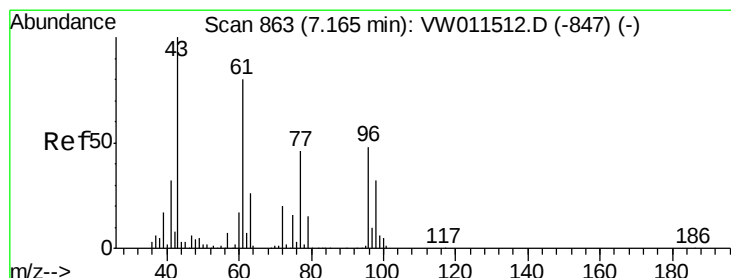
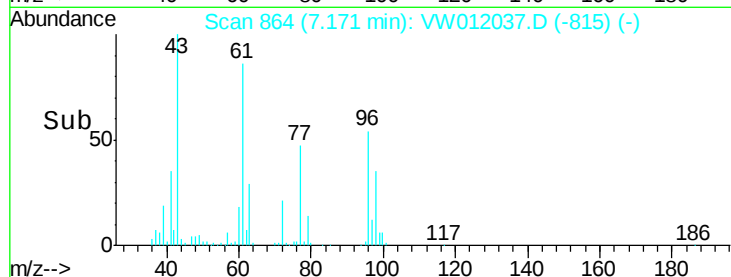
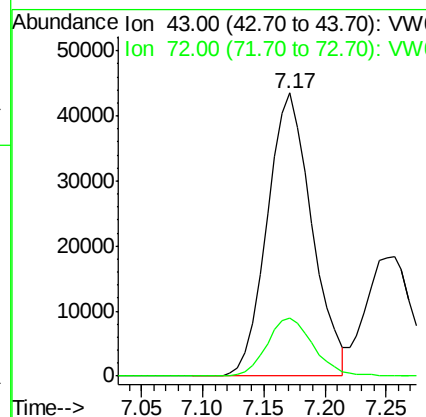
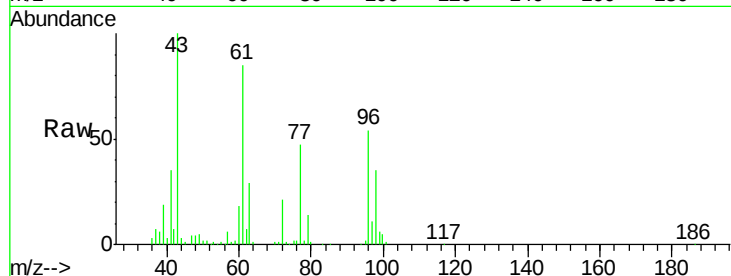
72 20.6 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.506 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012037.D

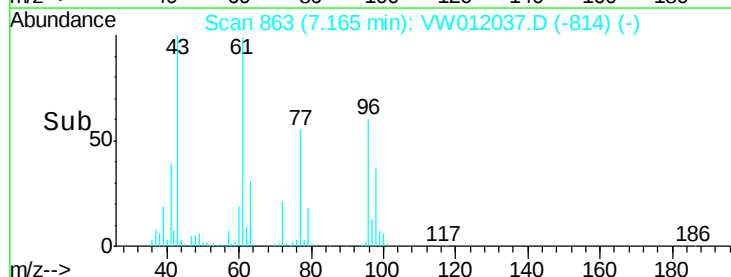
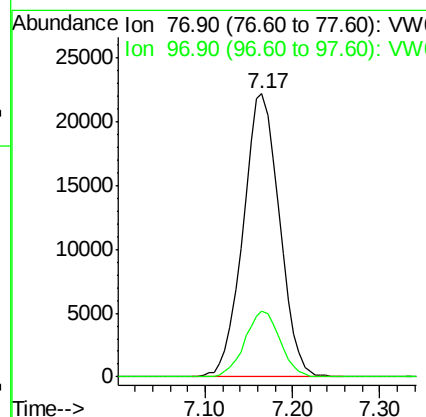
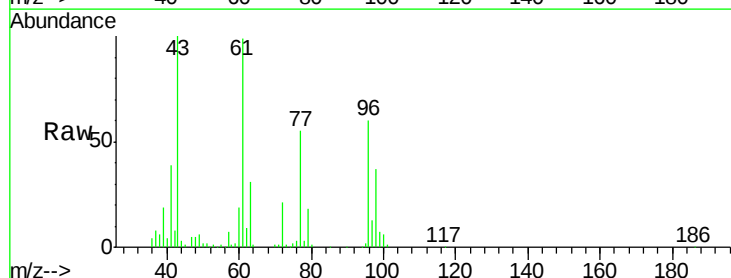
Acq: 20 Aug 2019 18:45

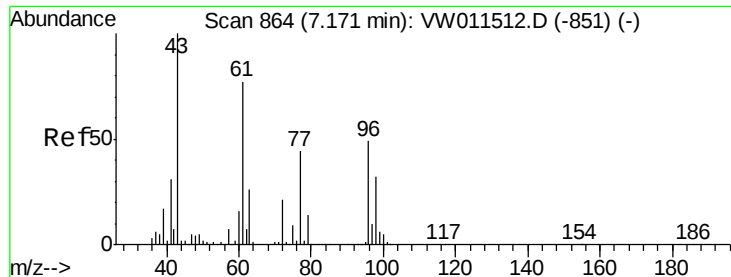
Tgt Ion: 77 Resp: 64040

Ion Ratio Lower Upper

77 100

97 22.4 10.8 32.4





#27

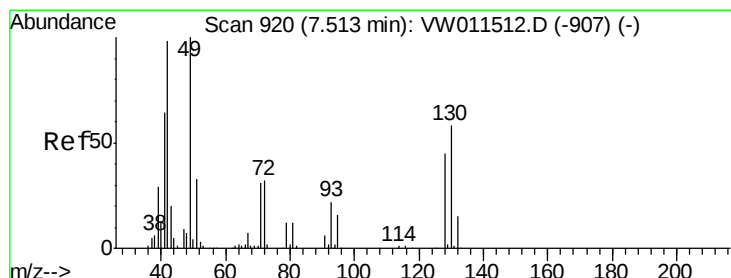
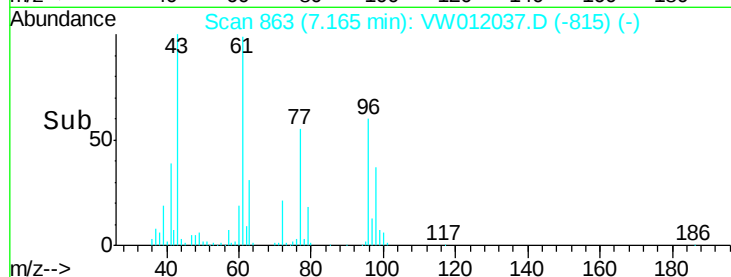
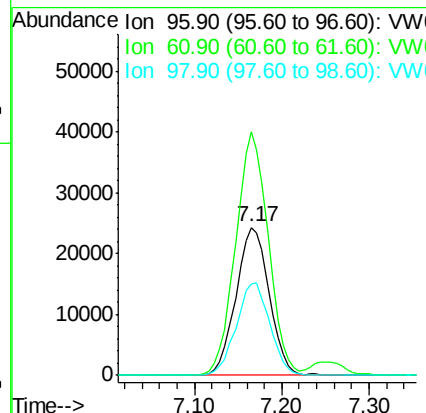
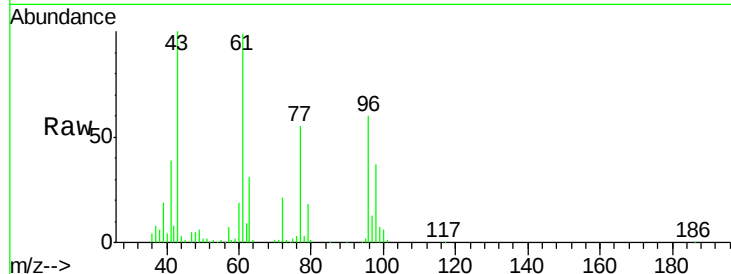
cis-1,2-Dichloroethene
Concen: 20.674 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	328.4
98	63.0	0.0	128.8

Manual Integrations
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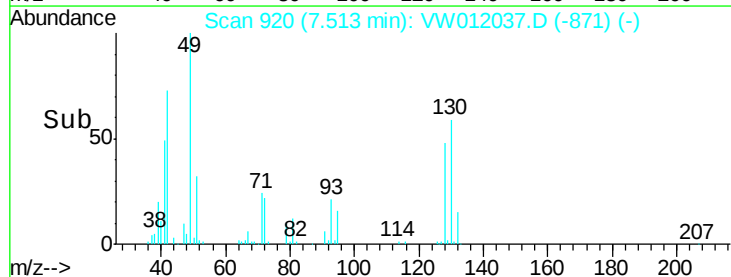
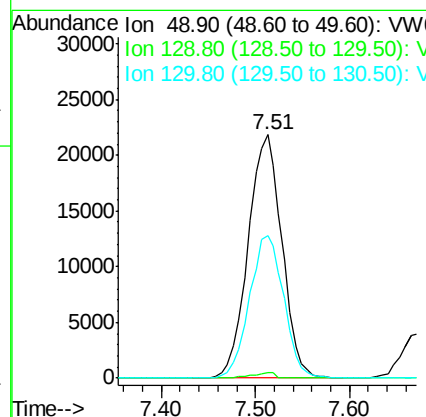
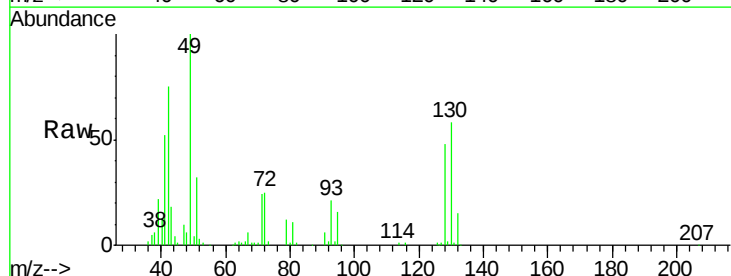
MMDadoda
8/21/2019 8:30:01 AM

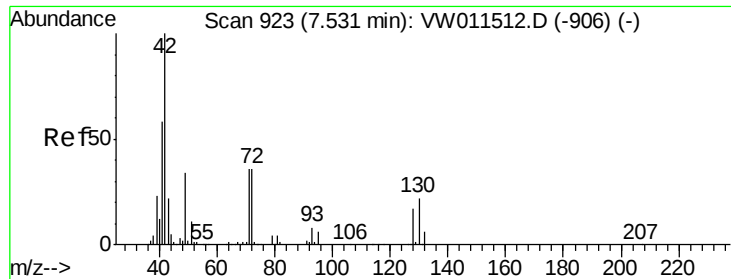


#28

Bromochloromethane
Concen: 21.984 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.0#
130	59.3	46.3	69.5





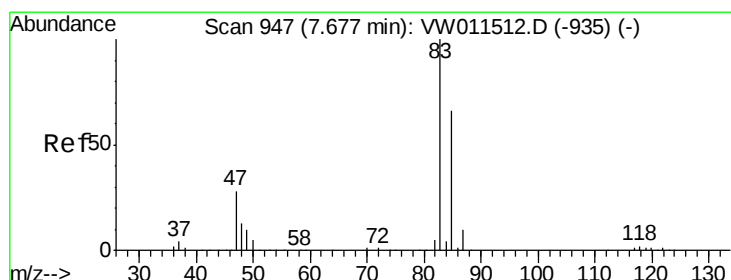
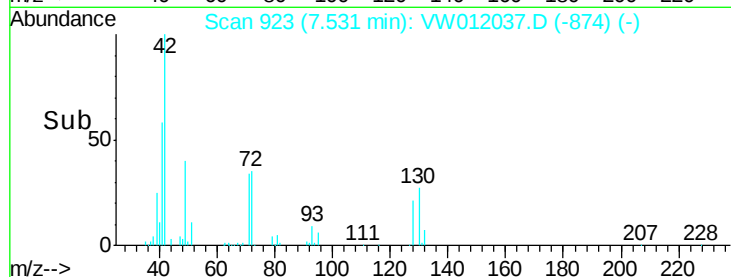
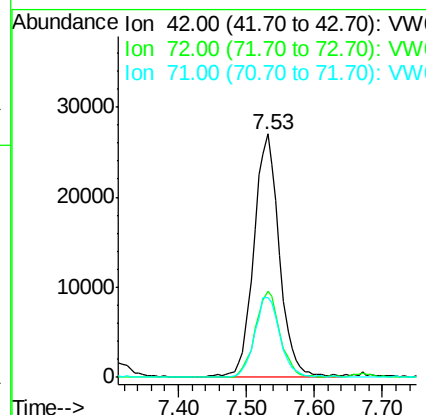
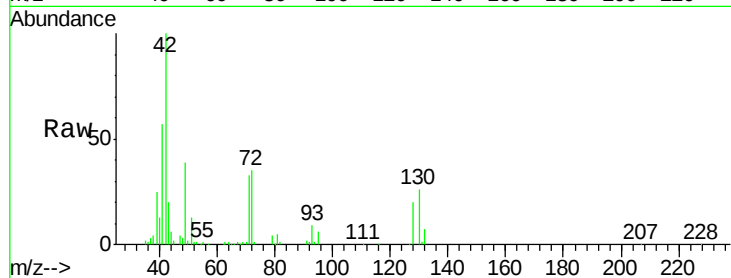
#29
Tetrahydrofuran
Concen: 103.475 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion:	42	Resp:	71121
Ion Ratio	Lower	Upper	
42	100		
72	34.2	27.1	40.7
71	32.4	26.2	39.4

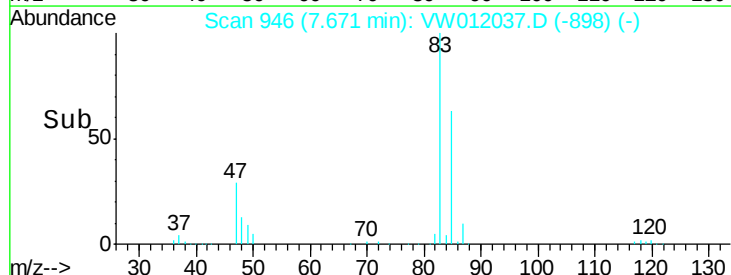
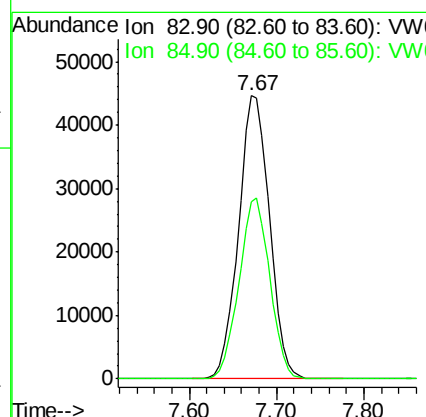
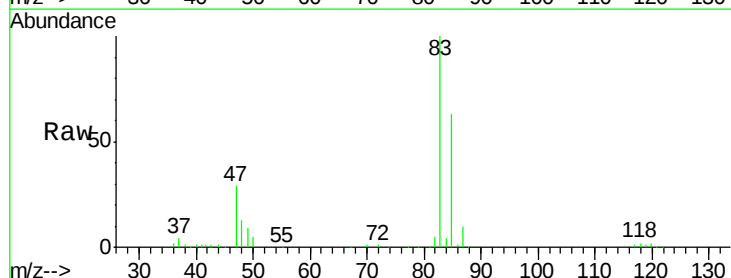
Manual Integrations
APPROVED

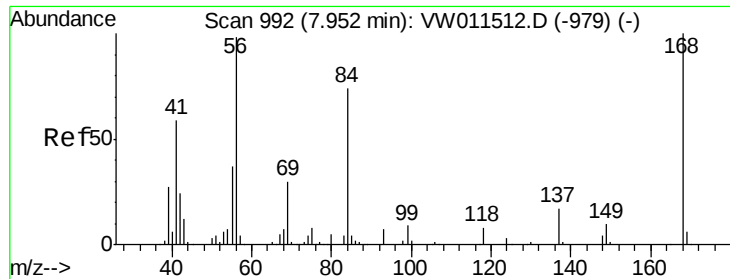
MMDadoda
8/21/2019 8:30:01 AM



#30
Chloroform
Concen: 21.132 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion:	83	Resp:	109702
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.5	78.7





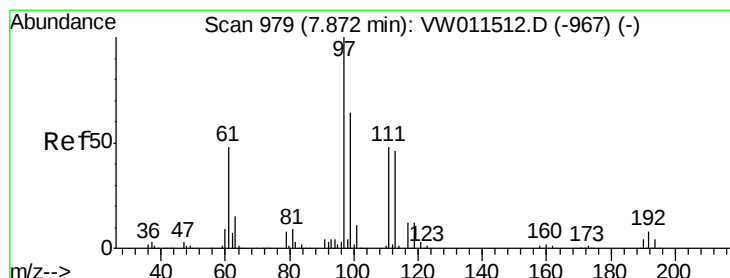
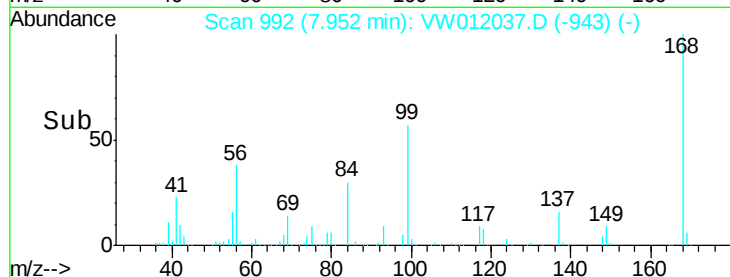
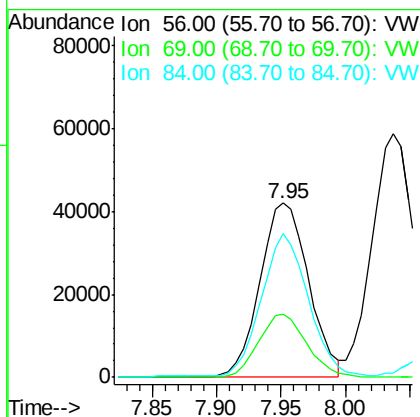
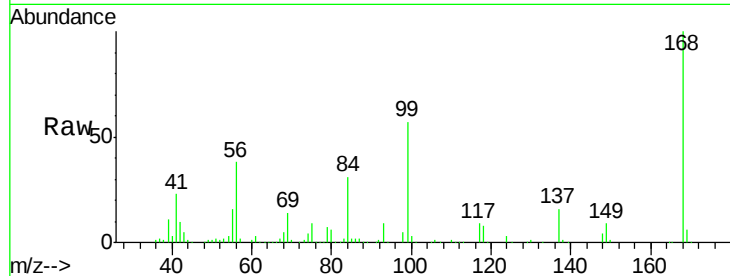
#31
Cyclohexane
Concen: 20.425 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
56	100	110325		
69	36.6	24.3	36.5#	
84	81.5	60.4	90.6	

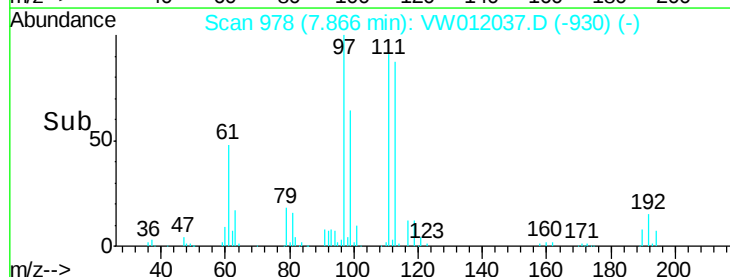
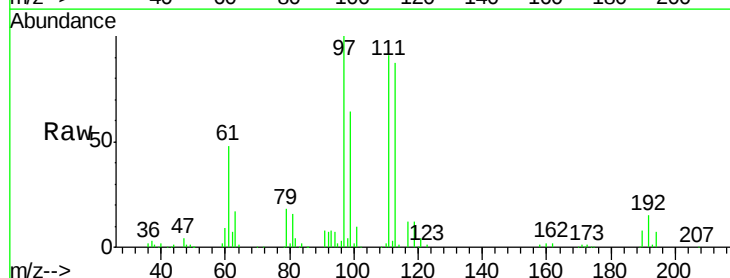
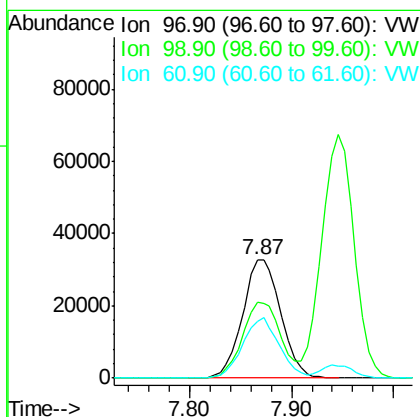
Manual Integrations
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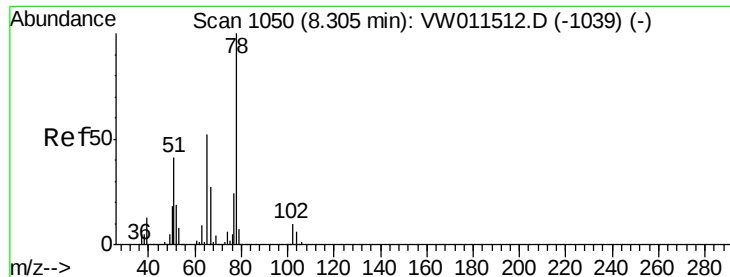
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.447 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	84791		
99	63.8	51.0	76.6	
61	48.8	39.8	59.6	





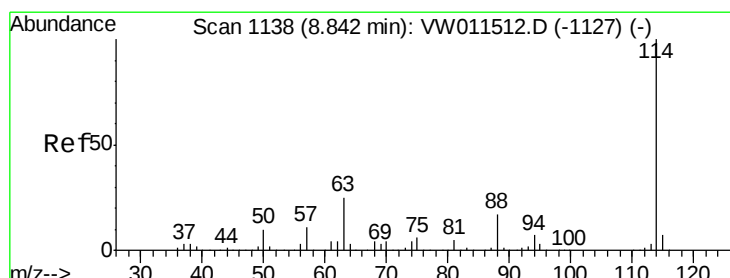
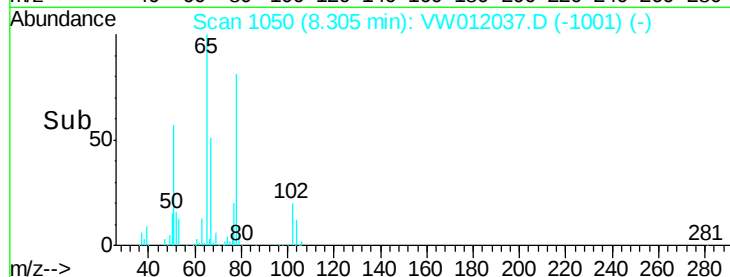
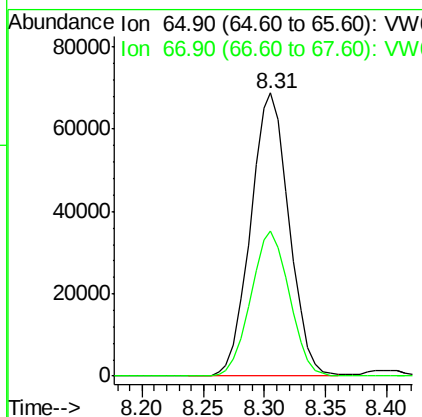
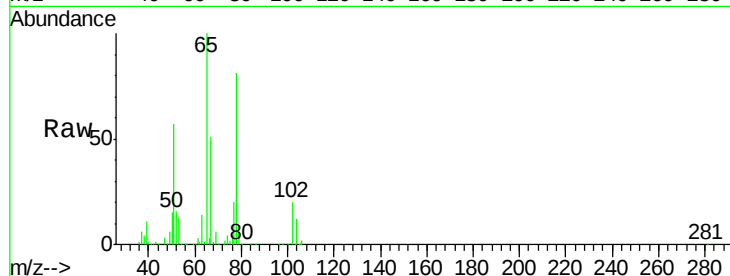
#33
 1,2-Dichloroethane-d4
 Concen: 51.967 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	105.2	

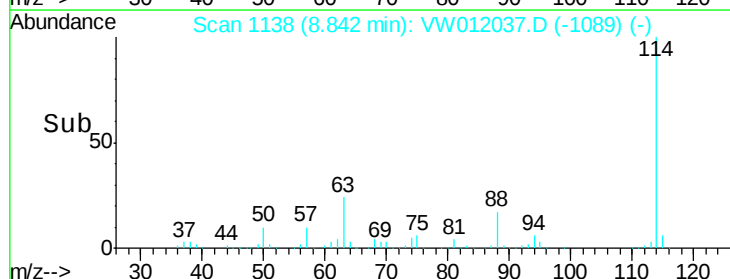
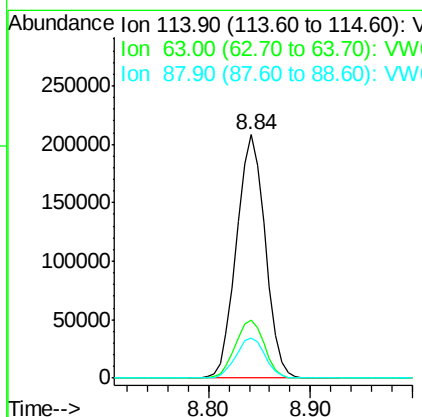
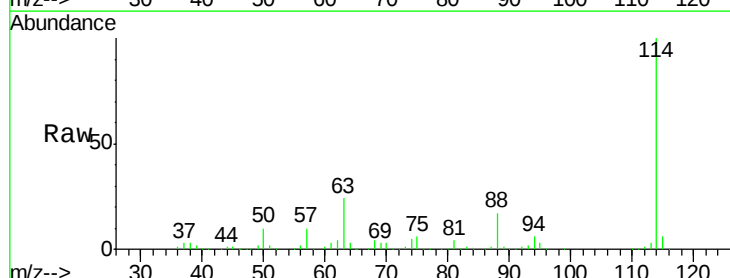
Manual Integrations
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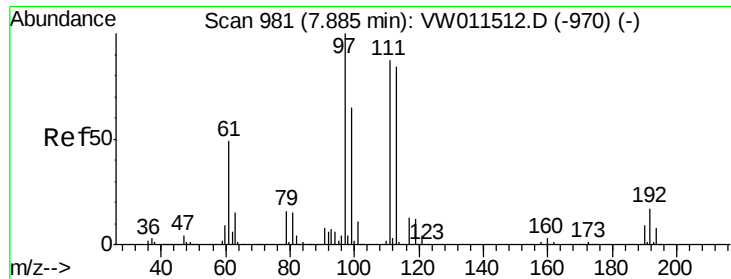
MMDadoda
 8/21/2019 8:30:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.7	0.0	49.2	
88	16.6	0.0	33.8	





#35

Dibromofluoromethane

Concen: 54.454 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

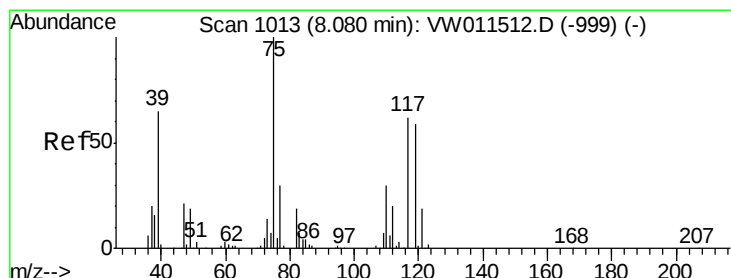
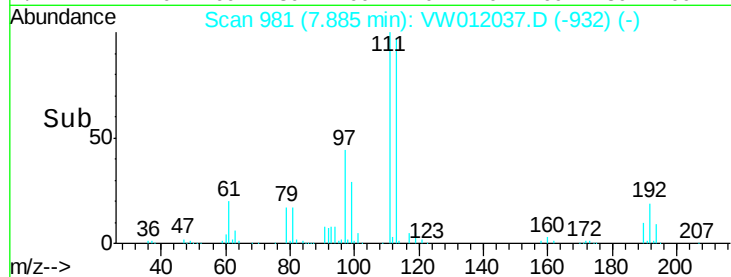
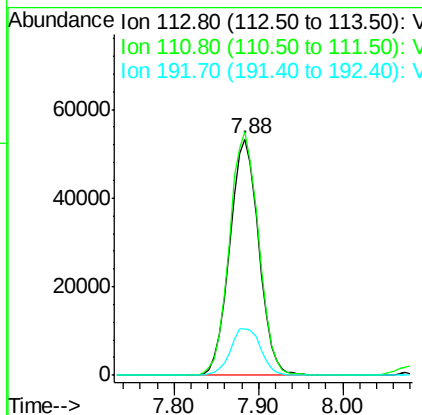
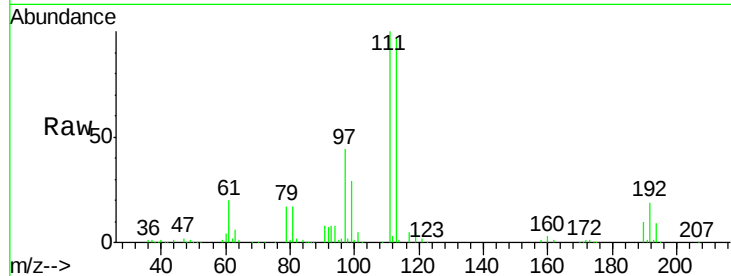
ClientSampleId :

VW0820SBS02

Tot Ion:	113	Resp:	123919
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.7	124.1
192	20.7	16.1	24.1

Manual Integrations
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8/21/2019 8:30:01 AM



#36

1,1-Dichloropropene

Concen: 21.066 ug/l

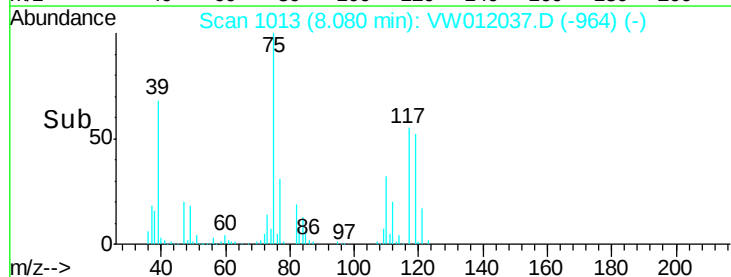
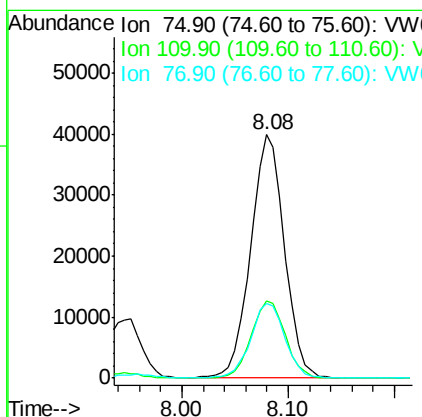
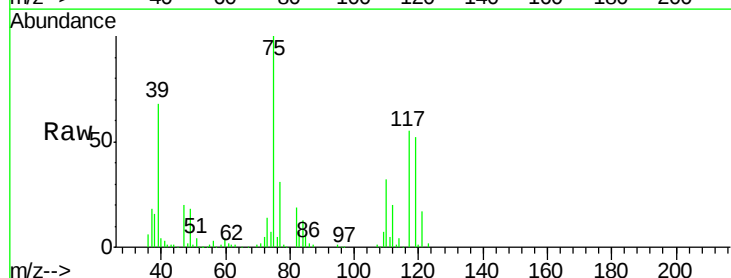
RT: 8.08 min Scan# 1013

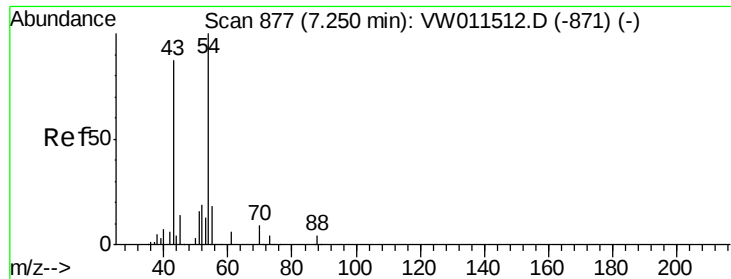
Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion:	75	Resp:	88851
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.6	46.8
77	31.3	24.3	36.5





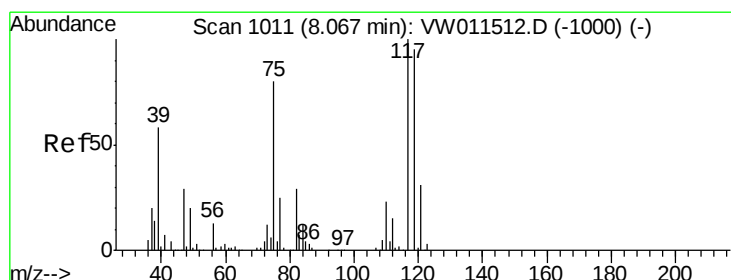
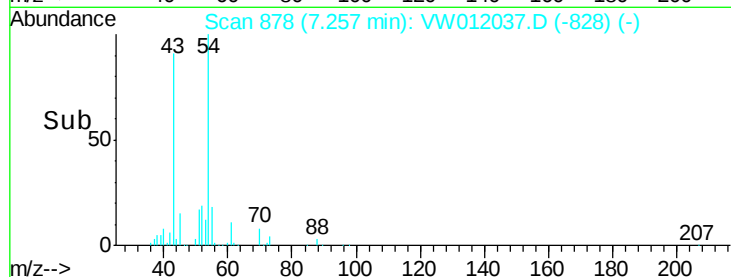
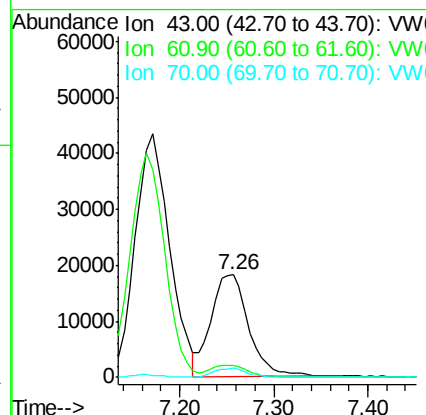
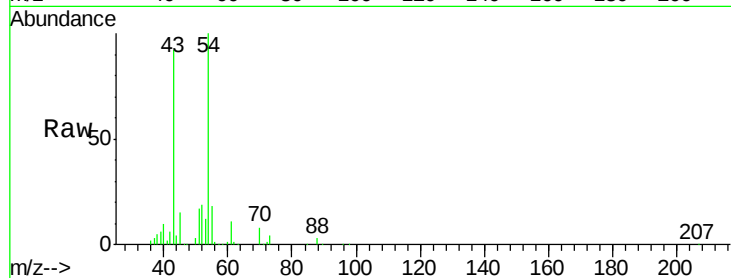
#37
Ethyl Acetate
Concen: 20.865 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	8.8	13.2
70	8.5	7.1	10.7

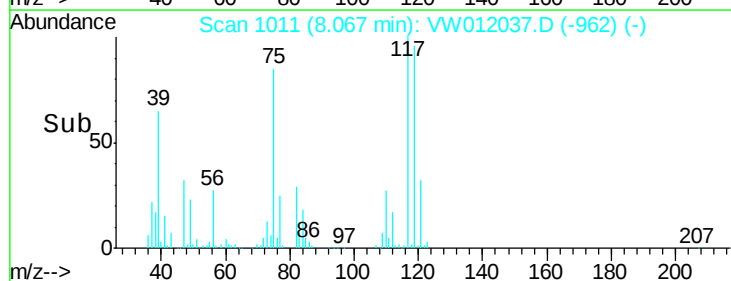
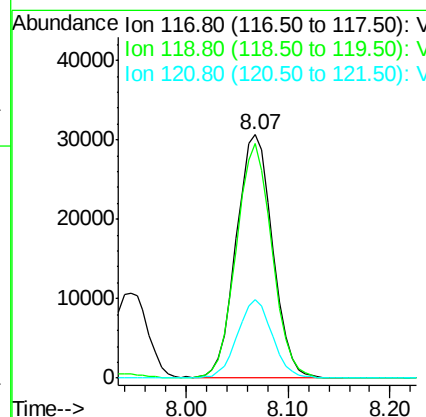
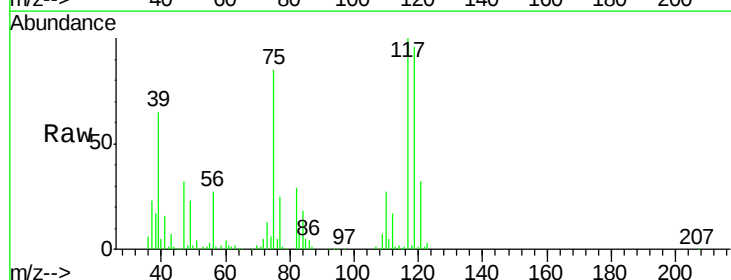
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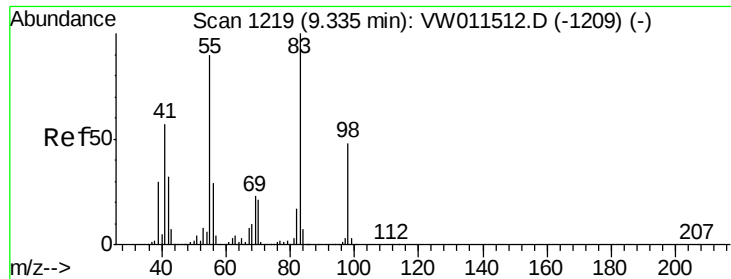
MMDadoda
8/21/2019 8:30:01 AM



#38
Carbon Tetrachloride
Concen: 21.022 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.6
121	32.4	24.7	37.1





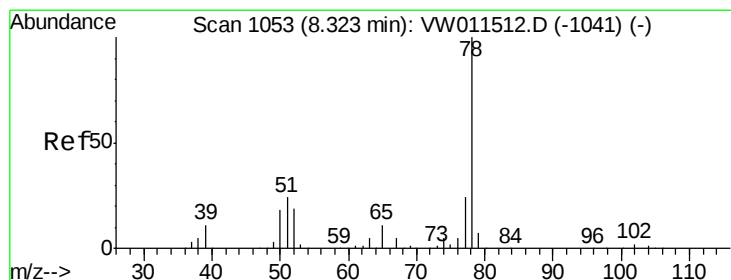
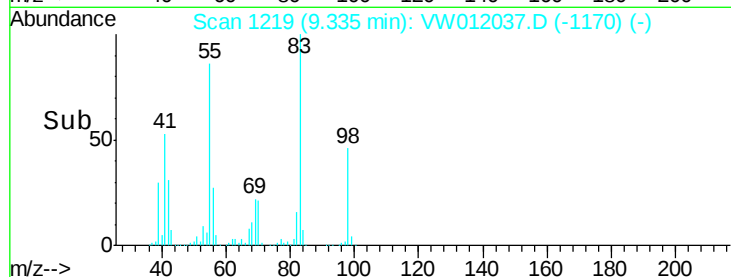
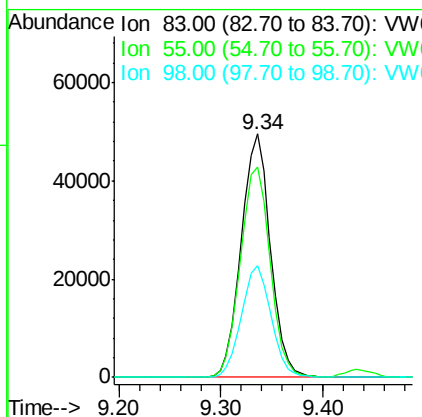
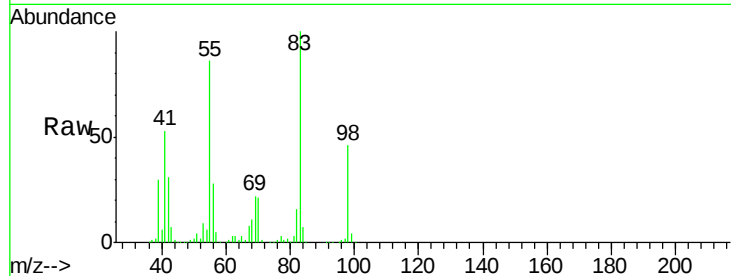
#39
Methvlcvclohexane
Concen: 21.273 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	72.1	108.1
98	45.9	38.6	57.8

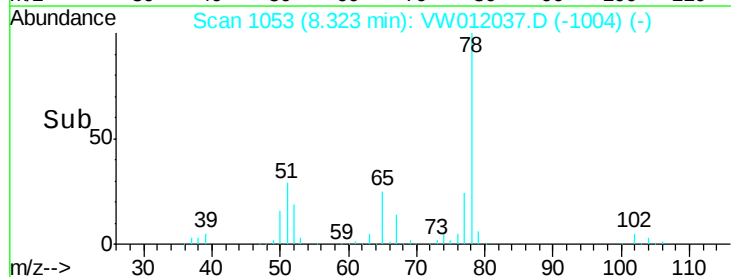
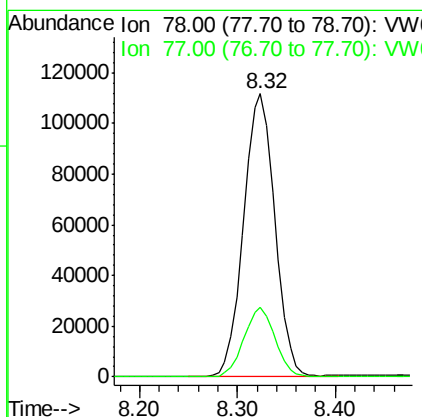
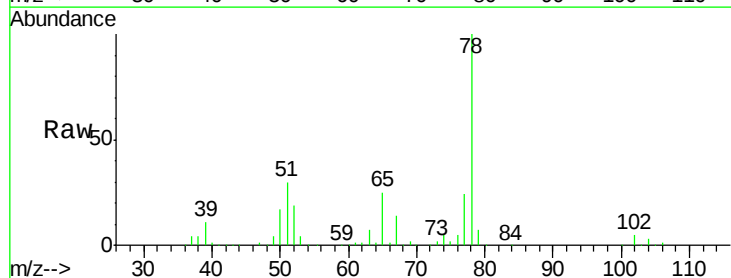
Manual Integrations
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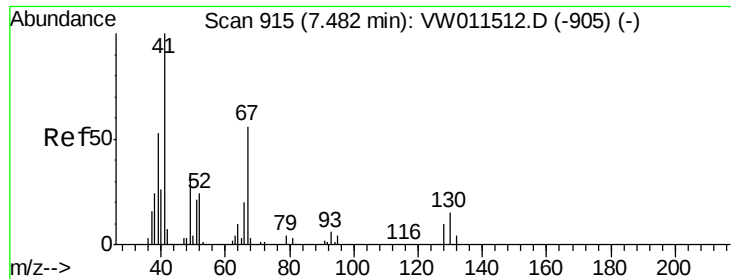
MMDadoda
8/21/2019 8:30:01 AM



#40
Benzene
Concen: 20.973 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





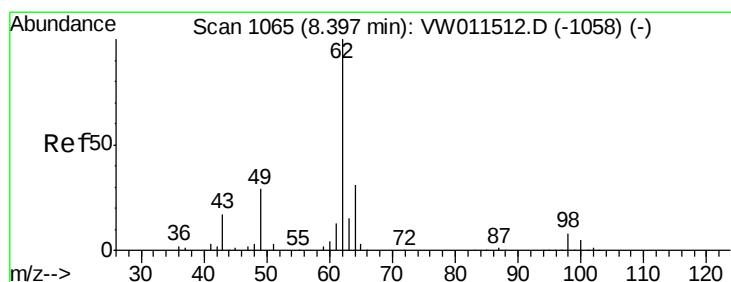
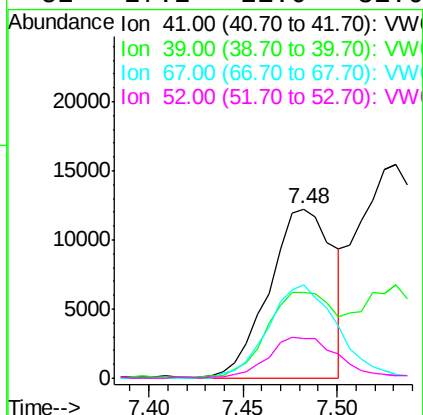
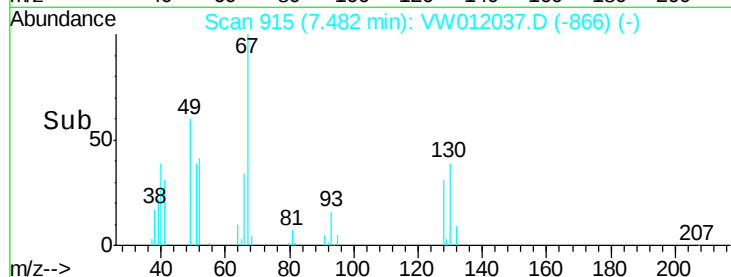
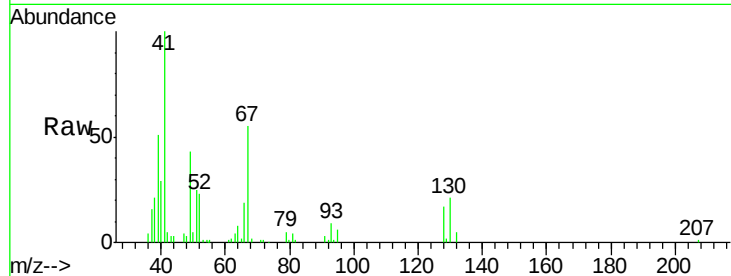
#41
Methacrylonitrile
Concen: 20.011 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29027		
39	51.8	43.0	64.4		
67	59.7	47.5	71.3		
52	27.2	21.0	31.6		

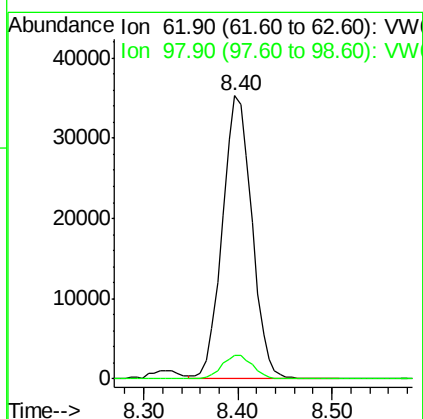
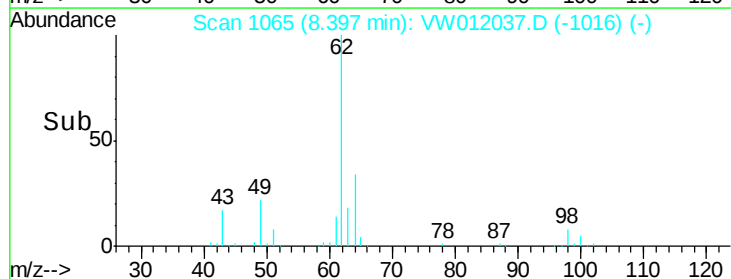
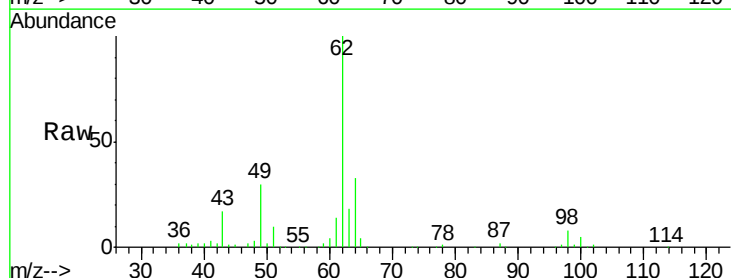
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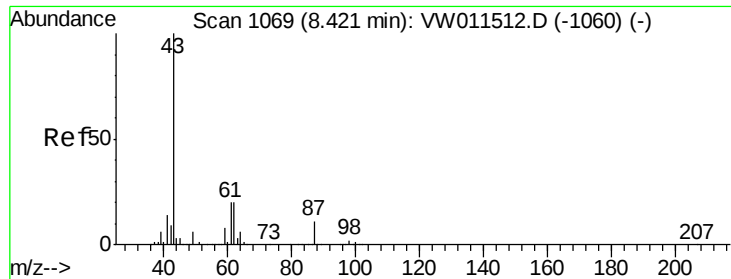
MMDadoda
8/21/2019 8:30:01 AM



#42
1,2-Dichloroethane
Concen: 20.780 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		76864		
98	8.7	0.0	16.8		





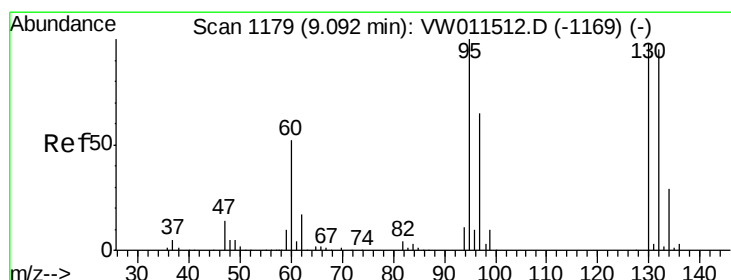
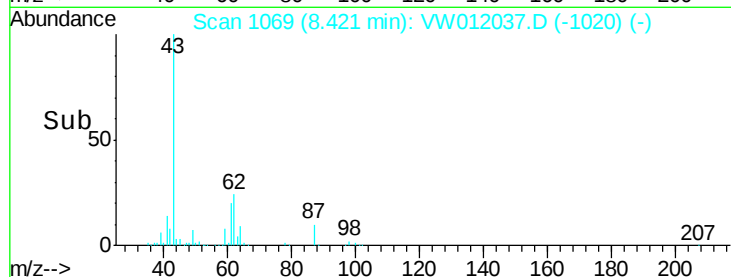
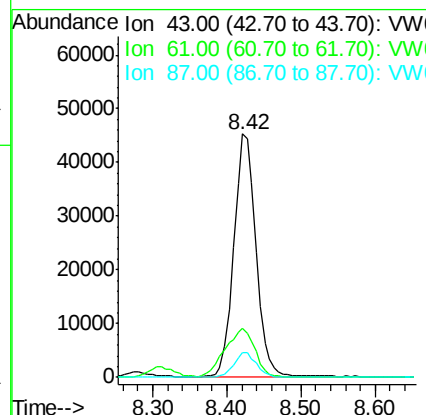
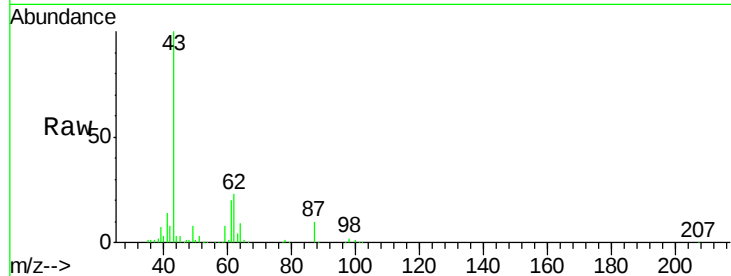
#43
Isopropyl Acetate
Concen: 21.120 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.5	32.3
87	10.5	8.4	12.6

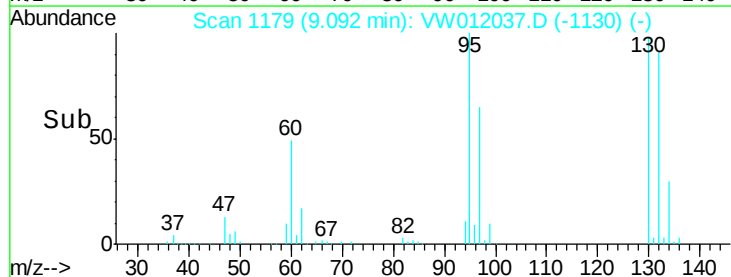
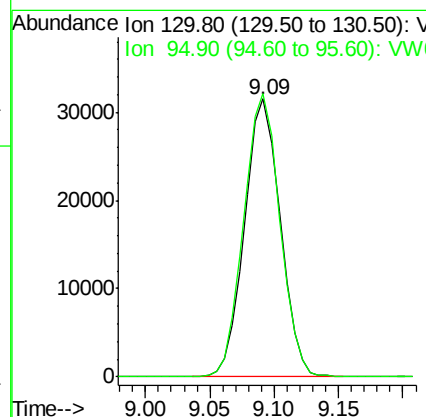
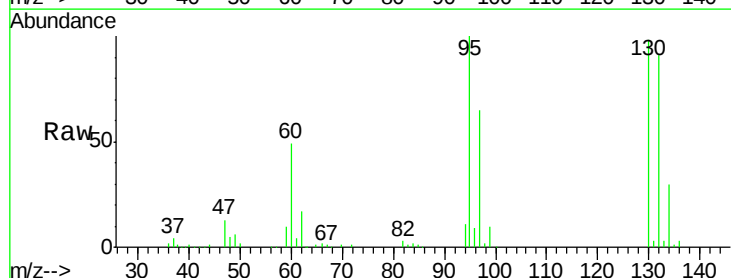
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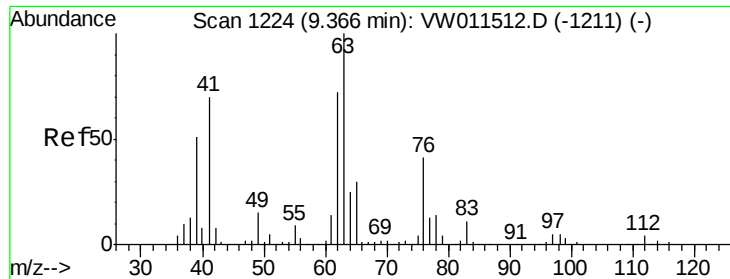
MMDadoda
8/21/2019 8:30:01 AM



#44
Trichloroethene
Concen: 21.339 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	204.8





#45

1,2-Dichloropropane

Concen: 21.240 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 63 Resp: 67141

Ion Ratio Lower Upper

63 100

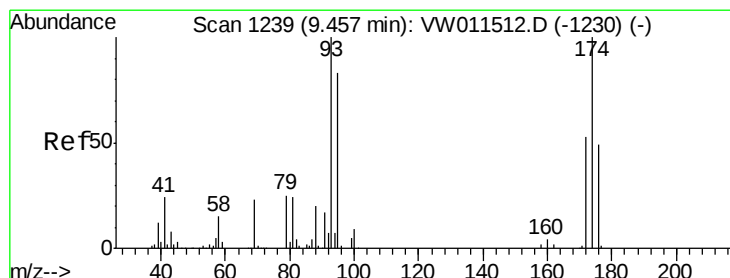
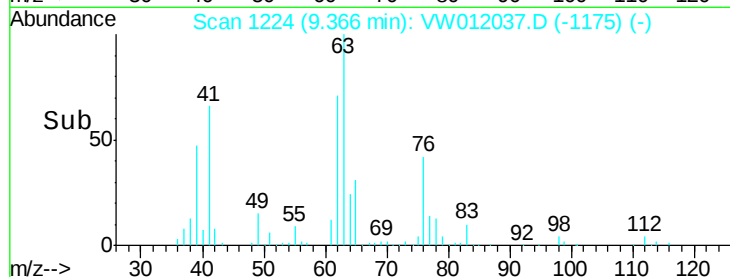
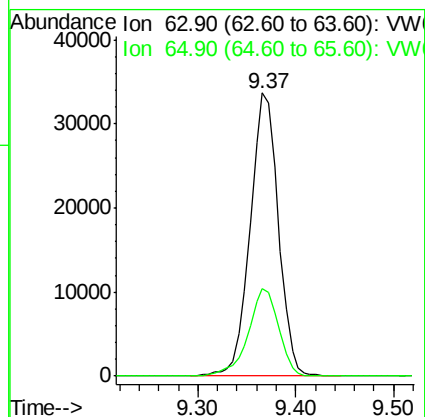
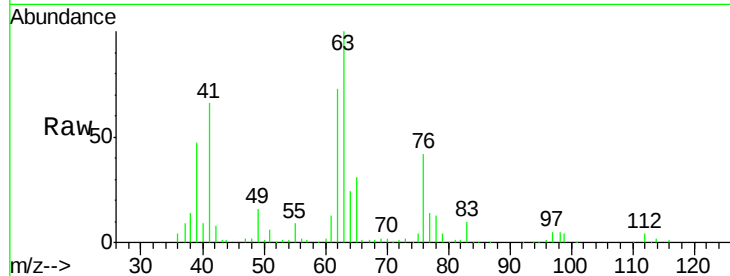
65 30.8 24.2 36.4

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#46

Dibromomethane

Concen: 20.597 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

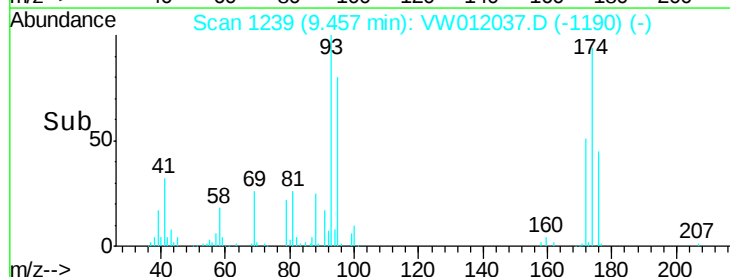
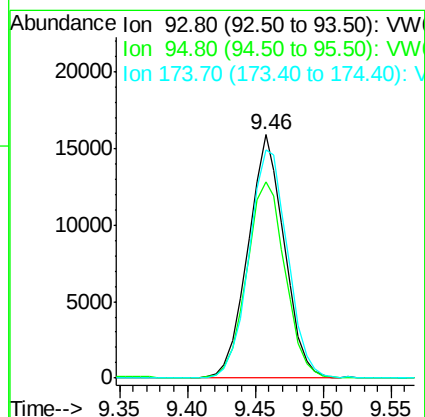
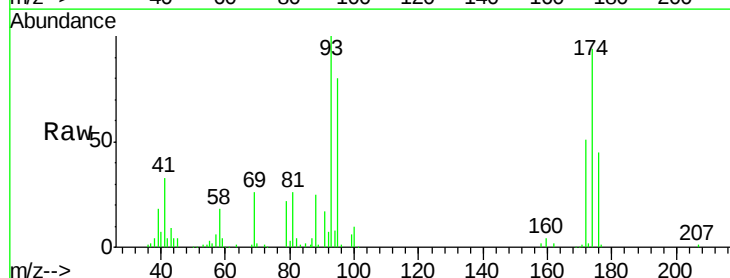
Tgt Ion: 93 Resp: 29717

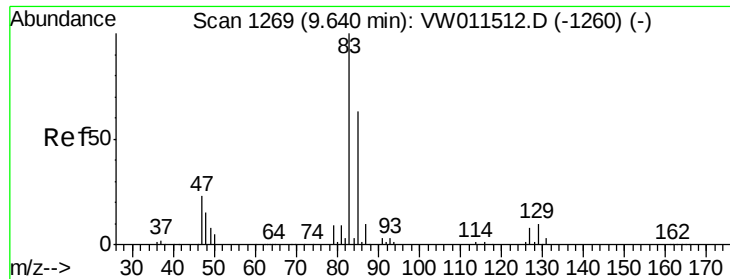
Ion Ratio Lower Upper

93 100

95 85.1 66.2 99.2

174 99.4 78.2 117.4





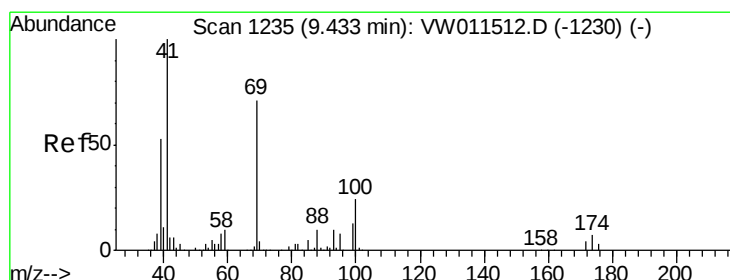
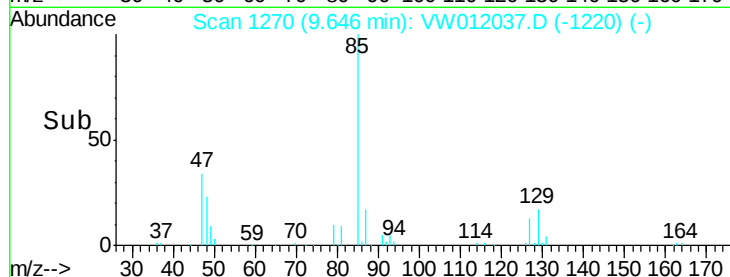
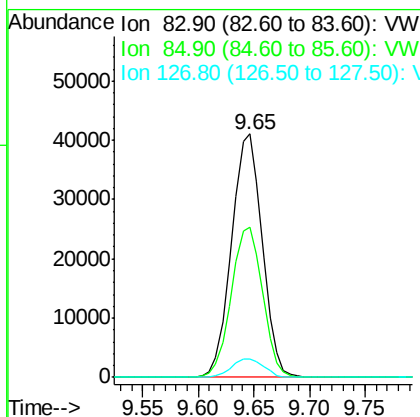
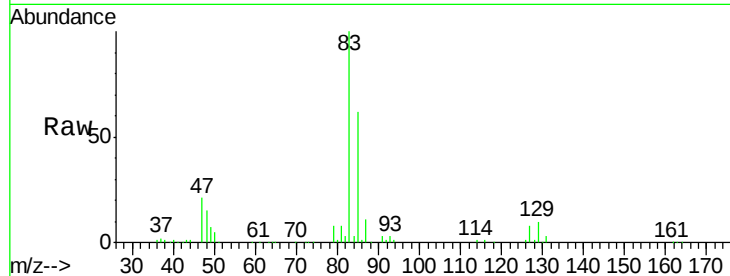
#47
Bromodichloromethane
Concen: 20.702 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	83	85	127	Ratio	Lower	Upper
83	100					
85	61.7	50.5				75.7
127	7.8	6.4				9.6

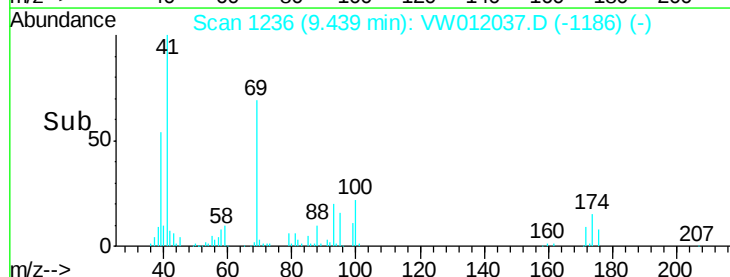
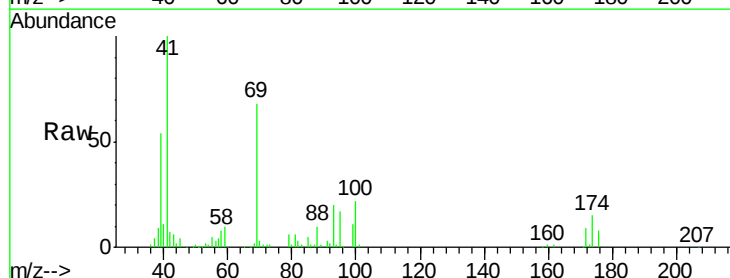
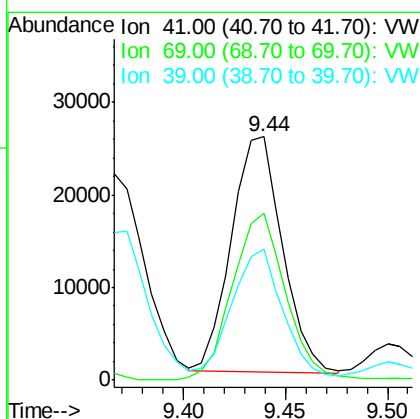
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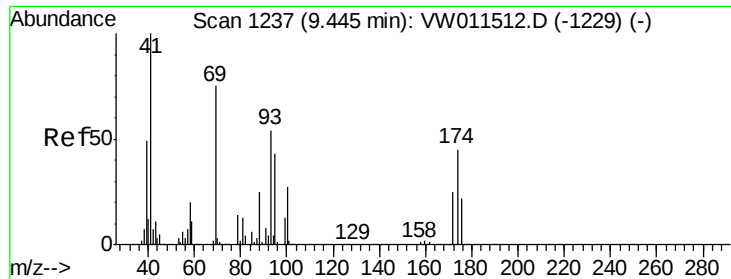
MMDadoda
8/21/2019 8:30:01 AM



#48
Methyl methacrylate
Concen: 20.608 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	41	69	39	Ratio	Lower	Upper
41	100					
69	75.0	57.1				85.7
39	52.1	45.4				68.2





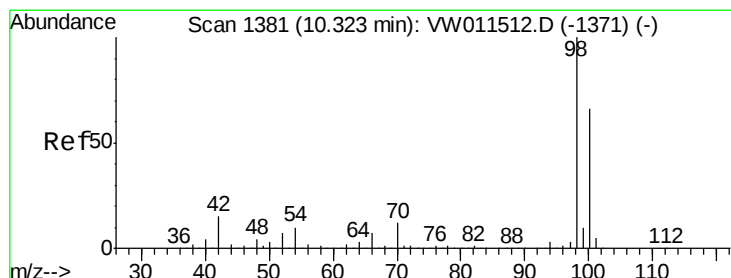
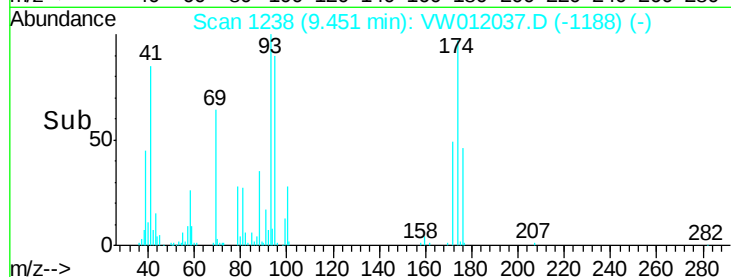
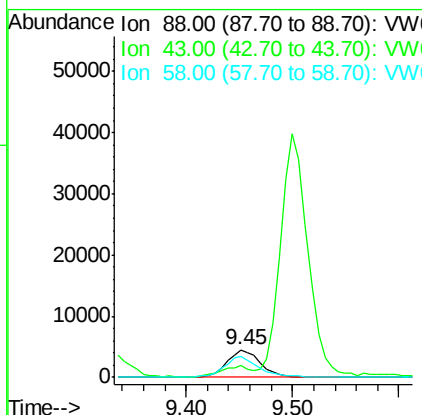
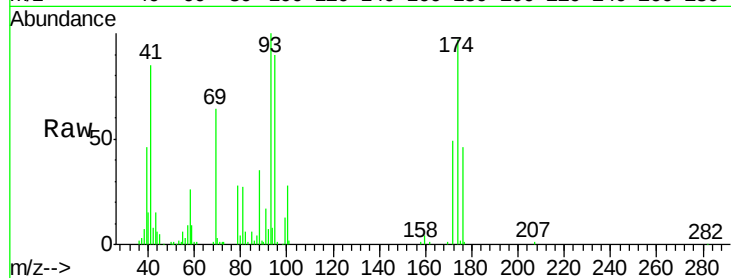
#49
1,4-Dioxane
Concen: 471.359 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	88	Resp	9847
Ion	Ratio	Lower	Upper
88	100		
43	35.2	34.0	51.0
58	79.8	69.7	104.5

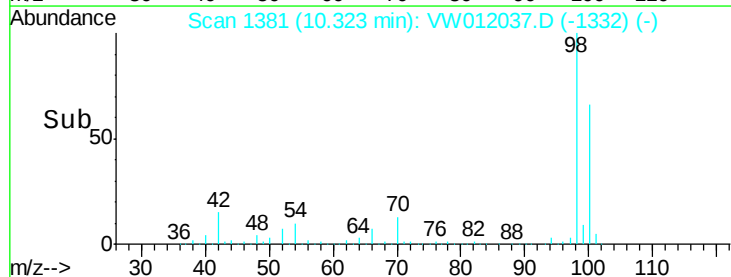
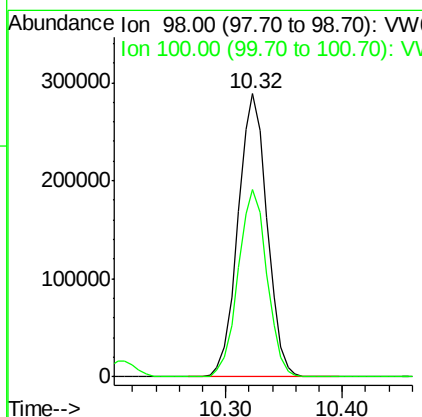
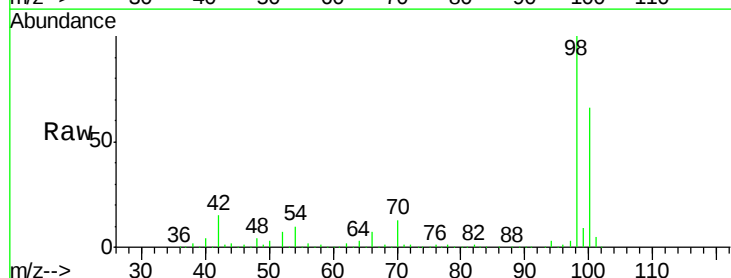
Manual Integrations
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#50
Toluene-d8
Concen: 53.897 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	98	Resp	502165
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 104.048 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 43 Resp: 241525

Ion Ratio Lower Upper

43 100

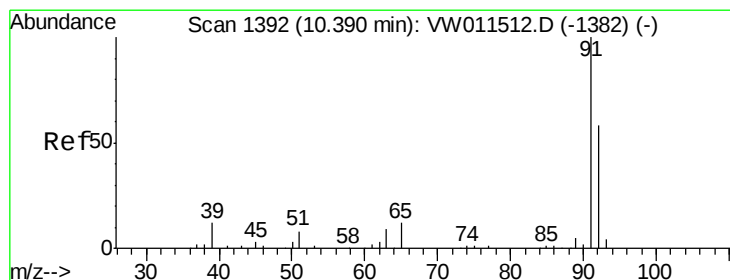
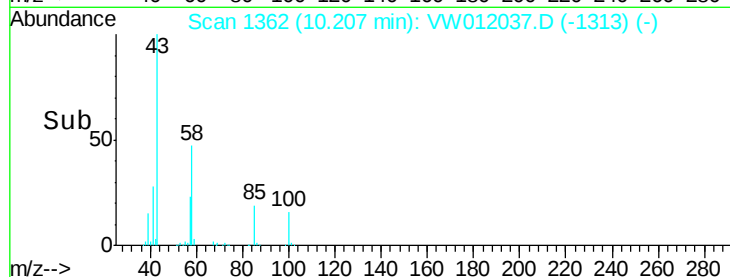
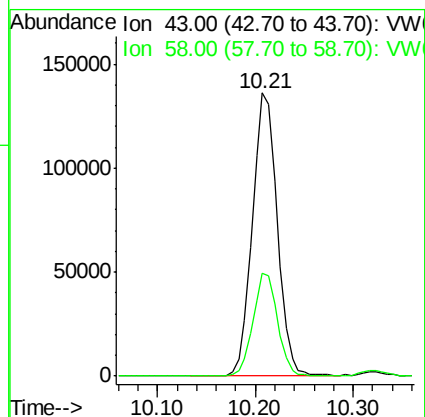
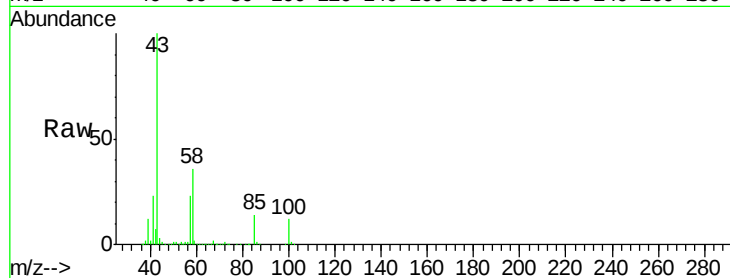
58 35.6 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 21.126 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012037.D

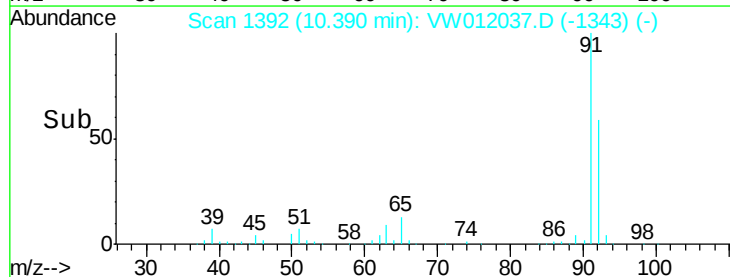
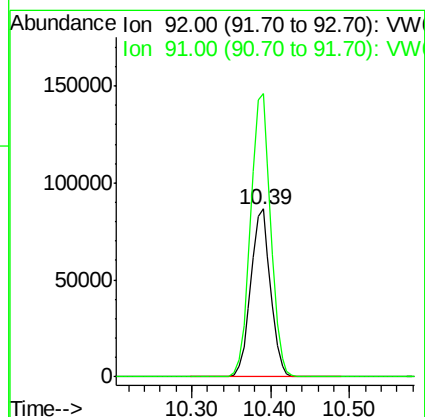
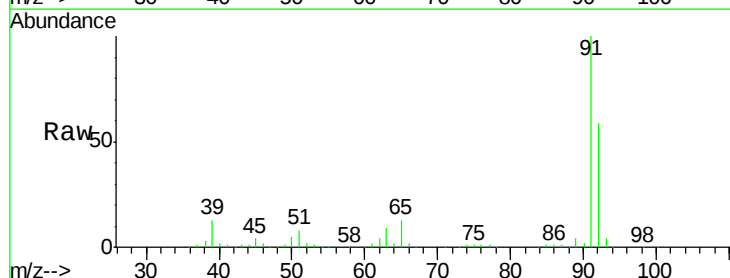
Acq: 20 Aug 2019 18:45

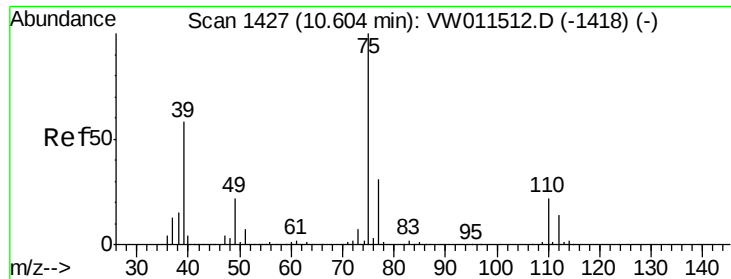
Tgt Ion: 92 Resp: 150725

Ion Ratio Lower Upper

92 100

91 171.4 136.7 205.1





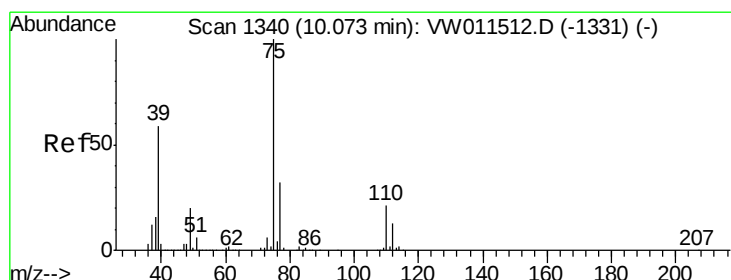
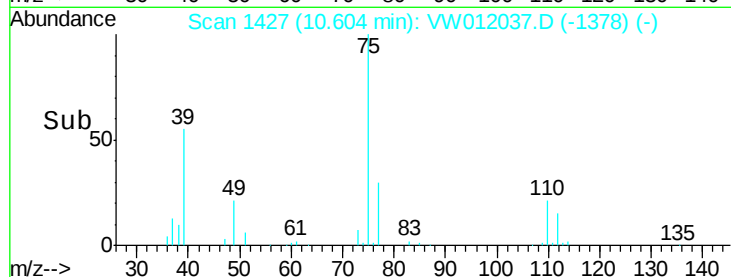
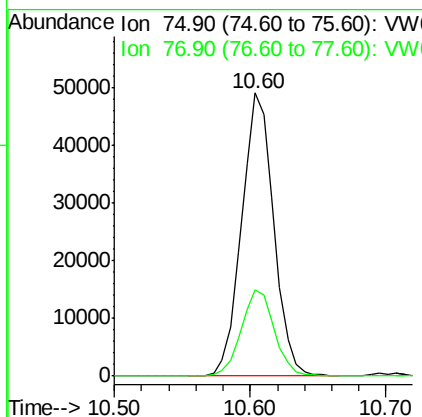
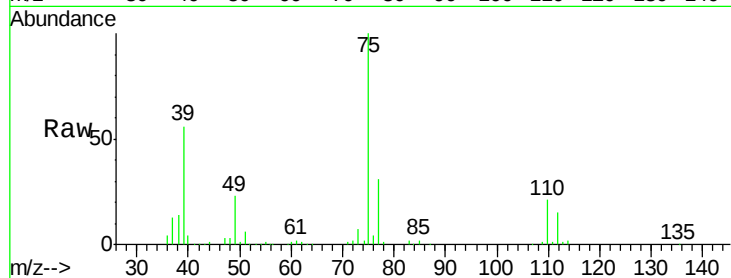
#53
t-1,3-Dichloropropene
Concen: 20.403 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 75 Resp: 80664
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4

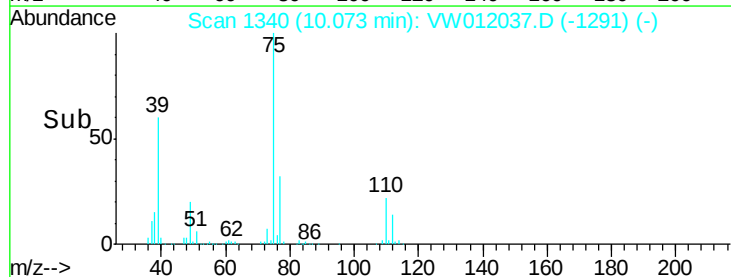
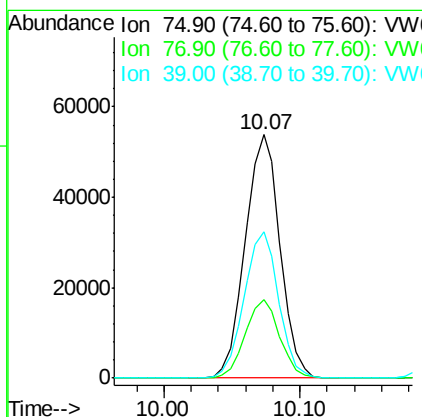
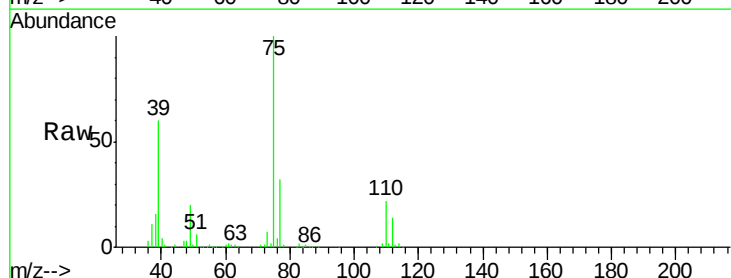
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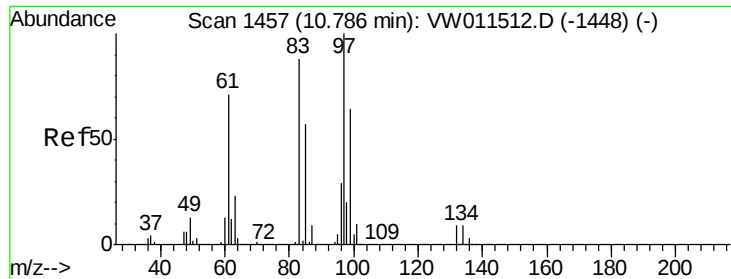
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.551 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 75 Resp: 96605
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
39 59.7 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 21.101 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

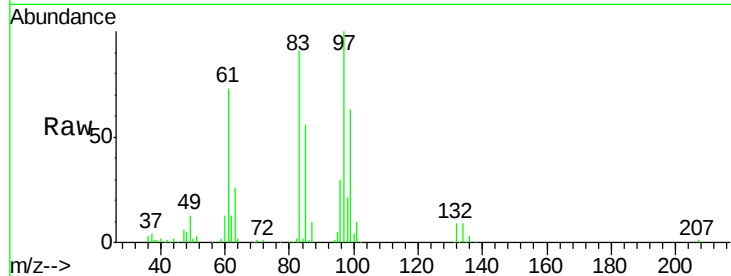
ClientSampleId :

VW0820SBS02

Tot Ion:	97	Resp:	43195
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.5	105.7
85	56.1	45.8	68.6
99	62.5	51.0	76.4

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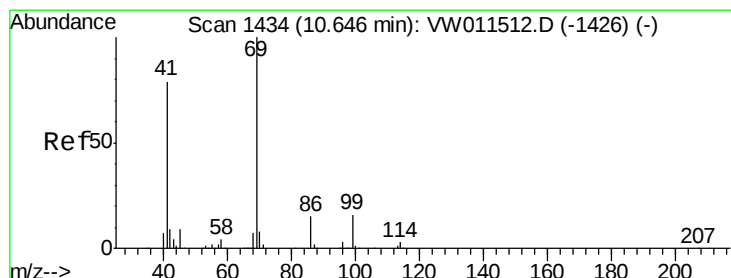
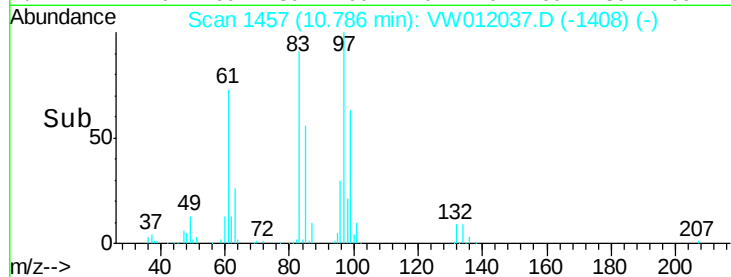
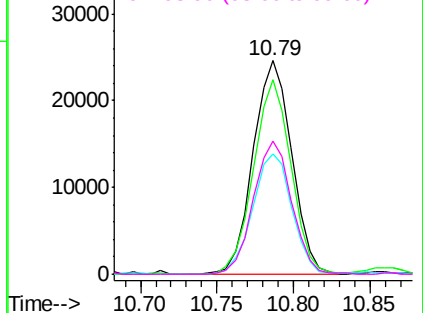


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.958 ug/l

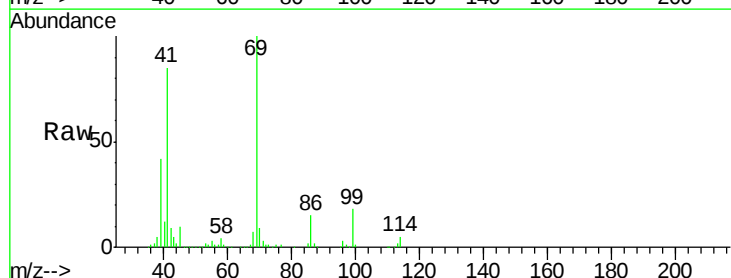
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

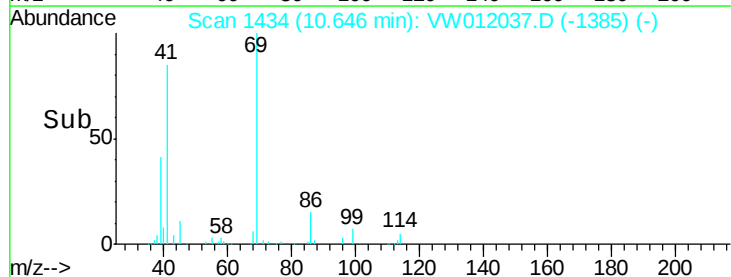
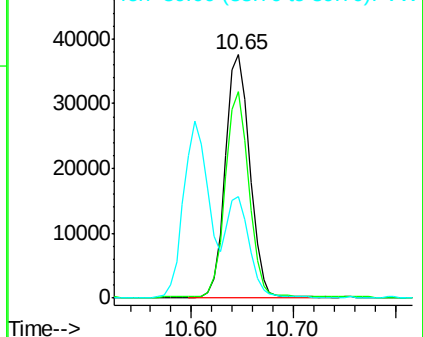
Tgt Ion:	69	Resp:	62782
Ion	Ratio	Lower	Upper
69	100		
41	80.2	66.6	99.8
39	38.3	30.3	45.5

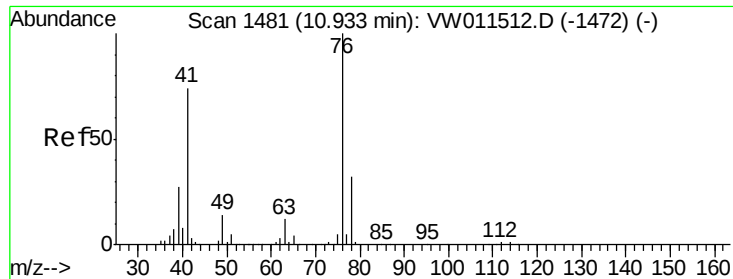


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.739 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 76 Resp: 80321

Ion Ratio Lower Upper

76 100

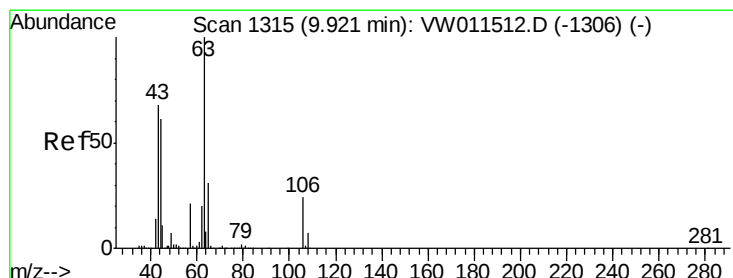
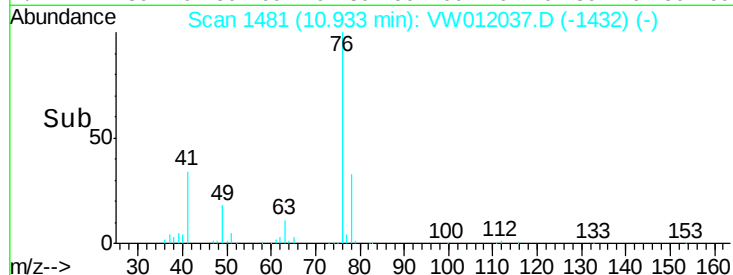
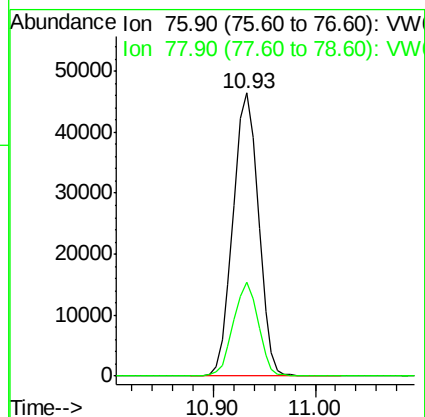
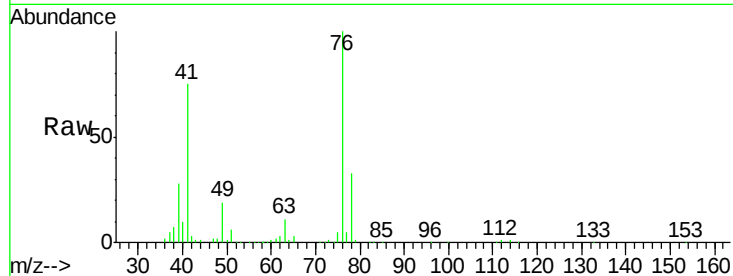
78 32.5 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 125.012 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012037.D

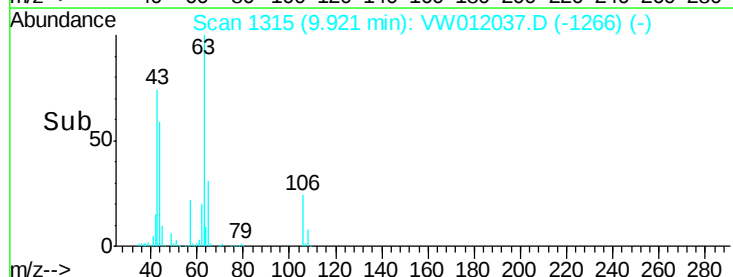
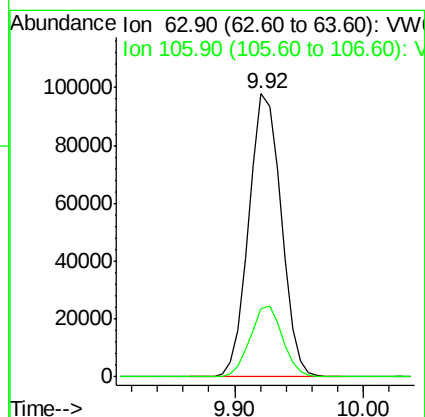
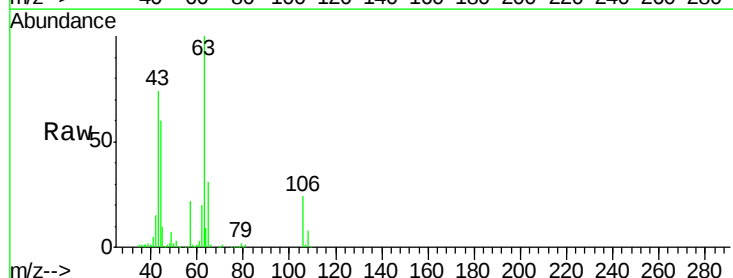
Acq: 20 Aug 2019 18:45

Tgt Ion: 63 Resp: 170029

Ion Ratio Lower Upper

63 100

106 24.8 19.7 29.5





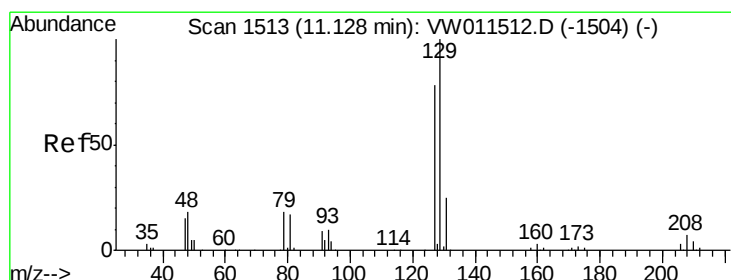
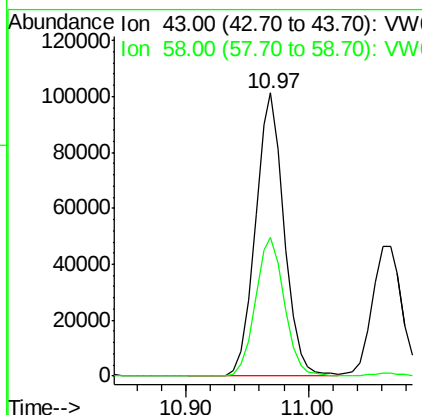
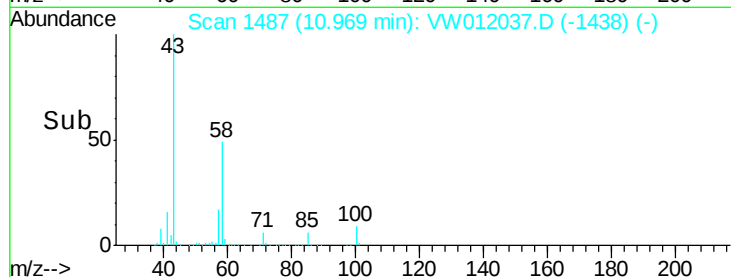
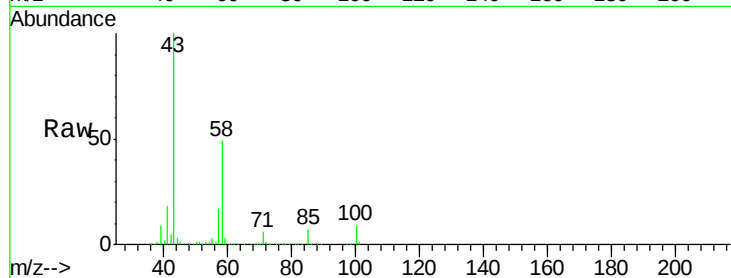
#59
2-Hexanone
Concen: 100.219 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 43 Resp: 164256
Ion Ratio Lower Upper
43 100
58 49.7 24.3 72.9

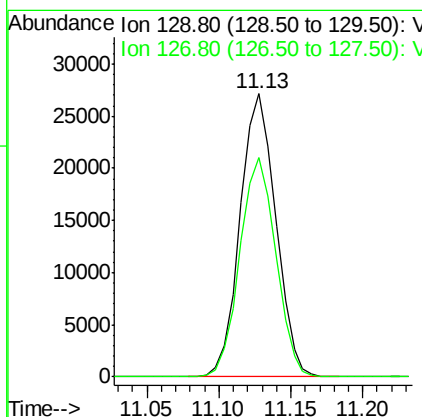
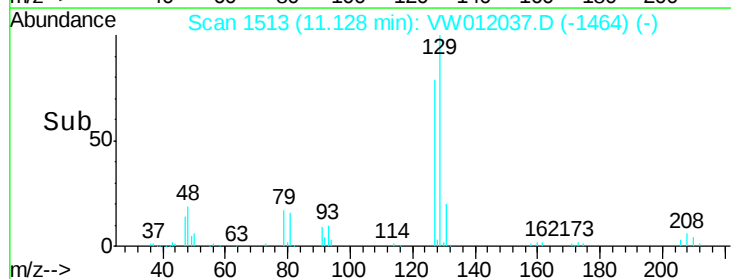
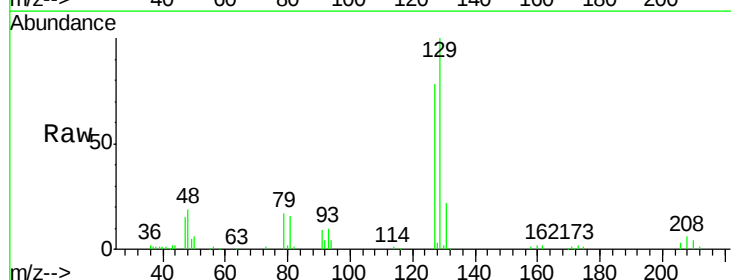
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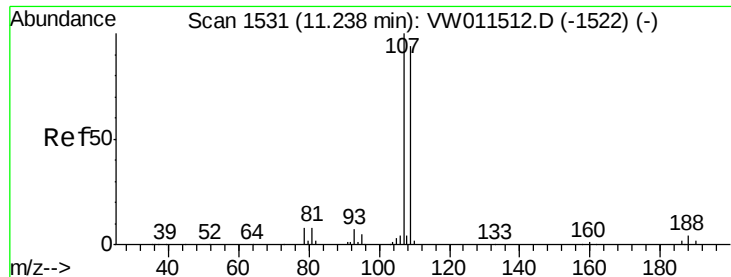
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#60
Dibromochloromethane
Concen: 20.528 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 129 Resp: 46647
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.517 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 107 Resp: 39746

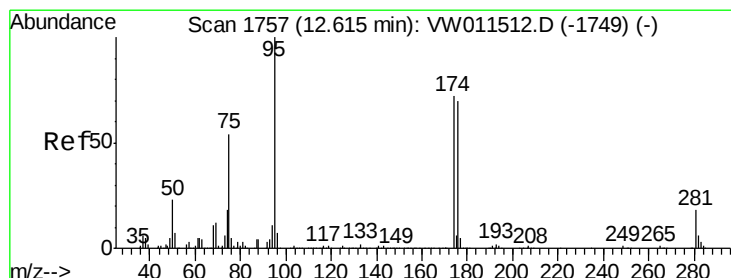
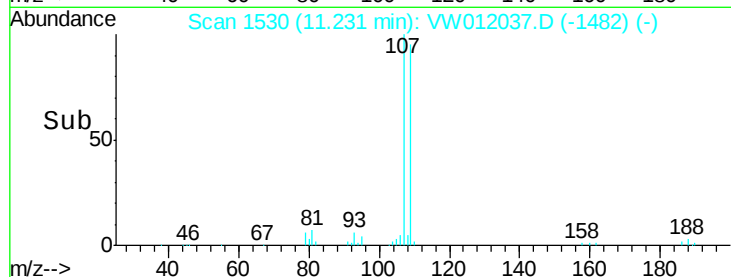
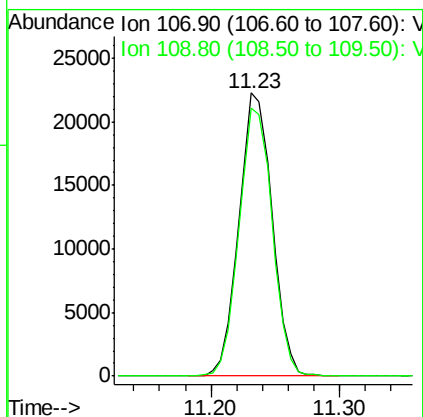
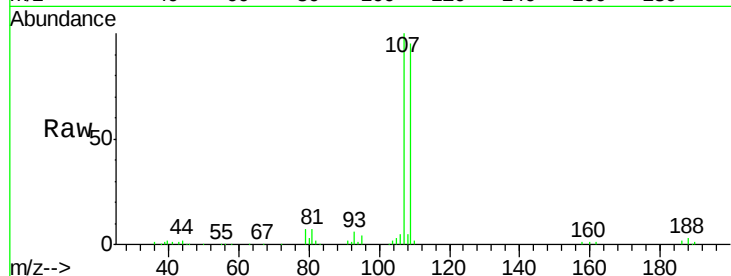
Ion Ratio Lower Upper

107 100

109 94.7 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 53.603 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

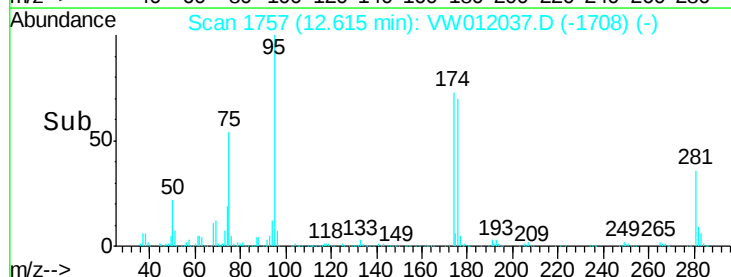
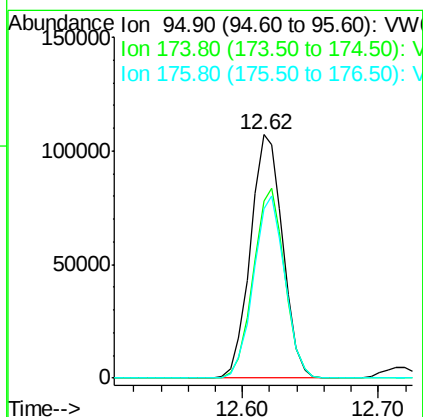
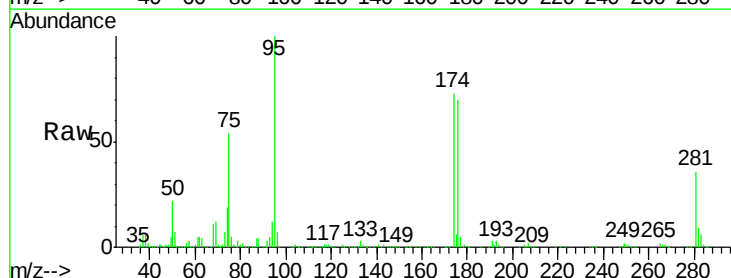
Tgt Ion: 95 Resp: 178057

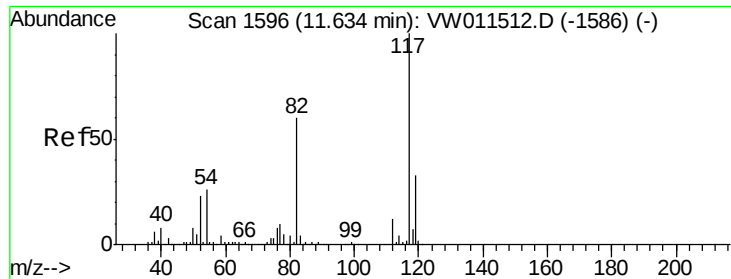
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 72.9 0.0 144.4





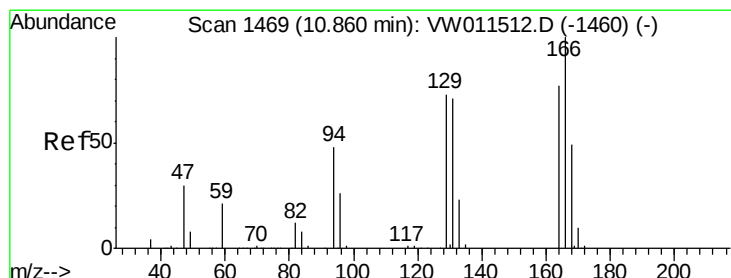
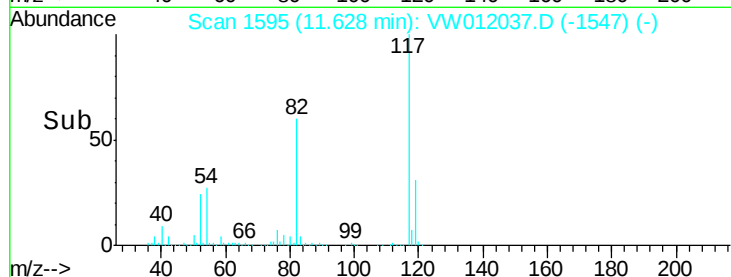
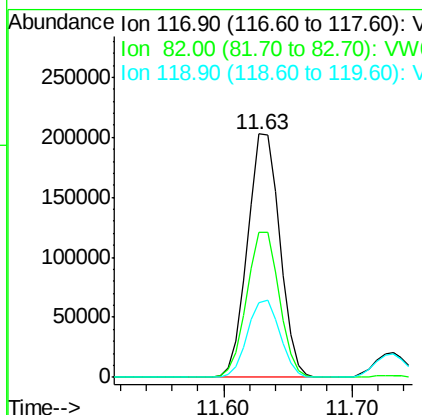
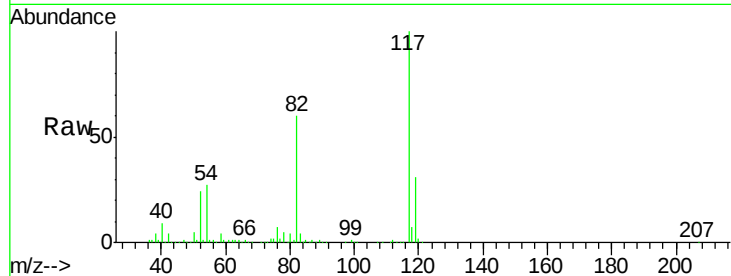
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	350958		
82	59.8		47.9	71.9
119	30.6		26.2	39.2

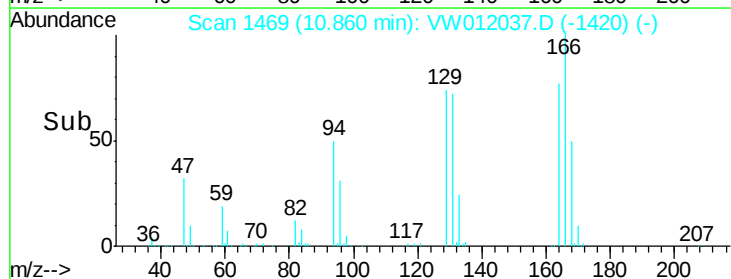
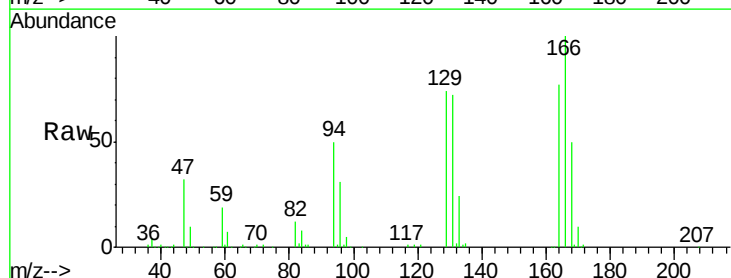
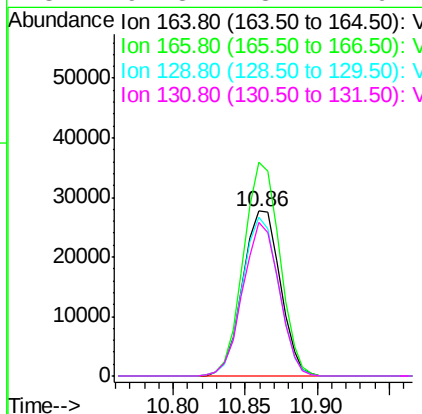
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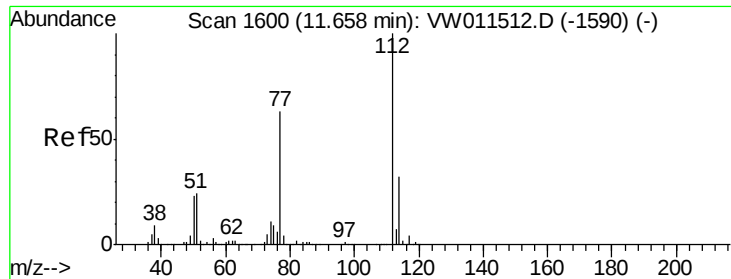
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#64
Tetrachloroethene
Concen: 21.907 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50061		
166	129.5		103.5	155.3
129	96.3		75.2	112.8
131	92.8		73.4	110.2





#65

Chlorobenzene

Concen: 21.422 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion:112 Resp: 151152

Ion Ratio Lower Upper

112 100

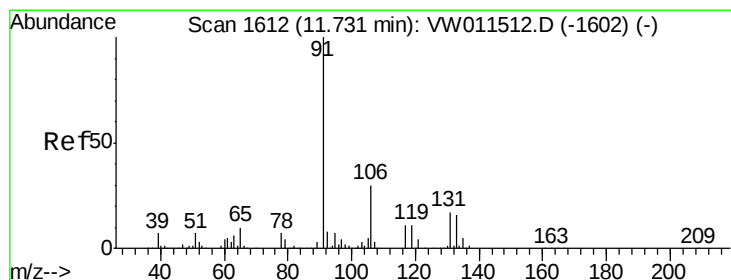
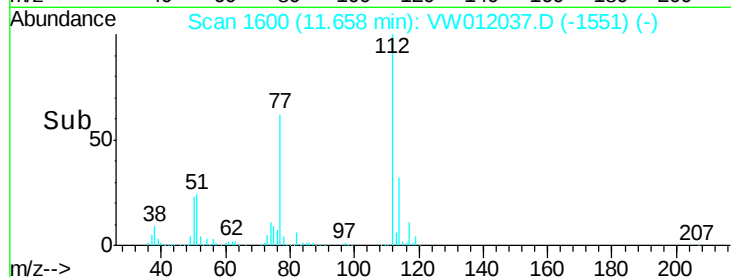
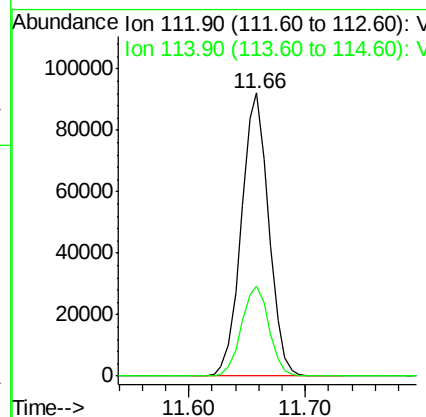
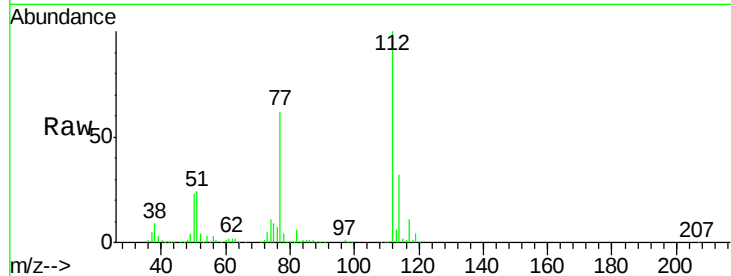
114 31.7 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.251 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

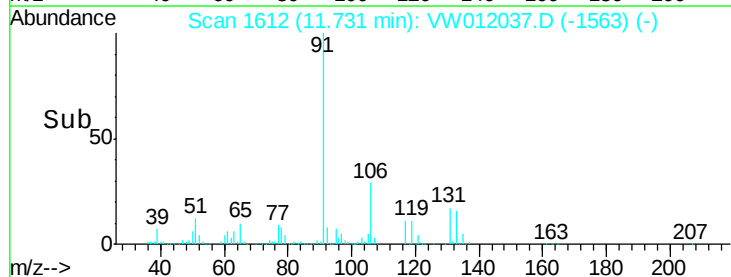
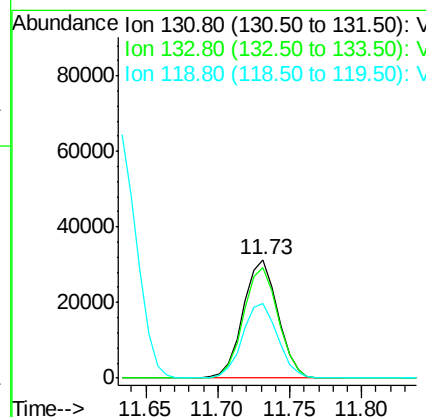
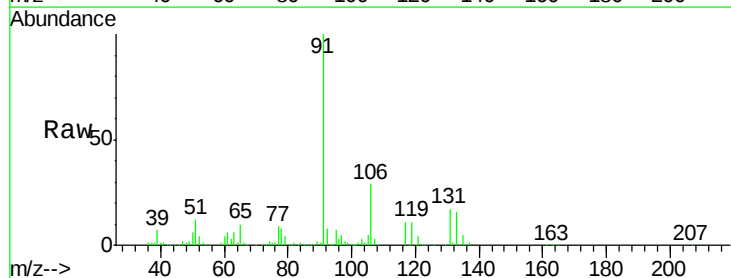
Tgt Ion:131 Resp: 52230

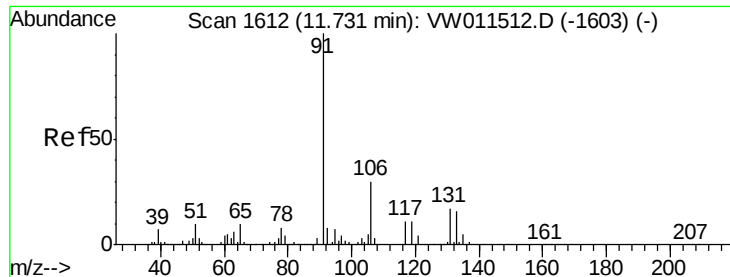
Ion Ratio Lower Upper

131 100

133 93.8 47.4 142.2

119 64.1 32.3 96.9





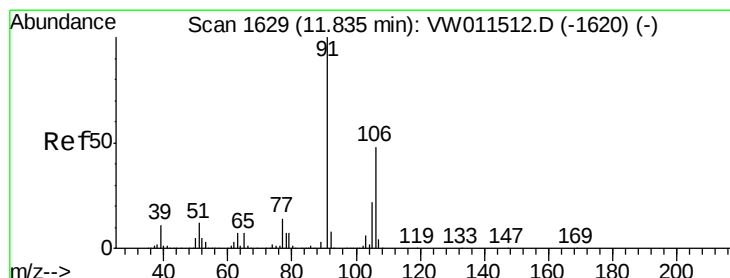
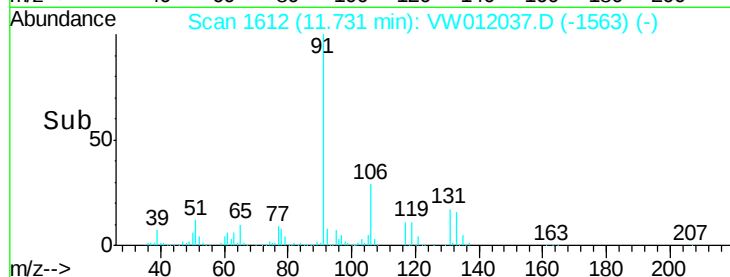
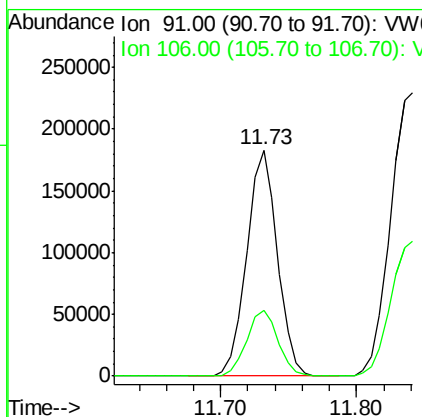
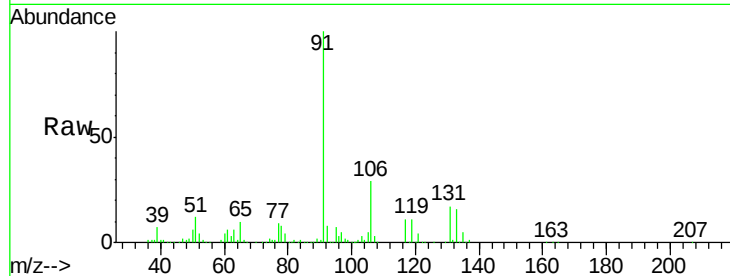
#67
Ethyl Benzene
Concen: 21.502 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion: 91 Resp: 288952
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.6

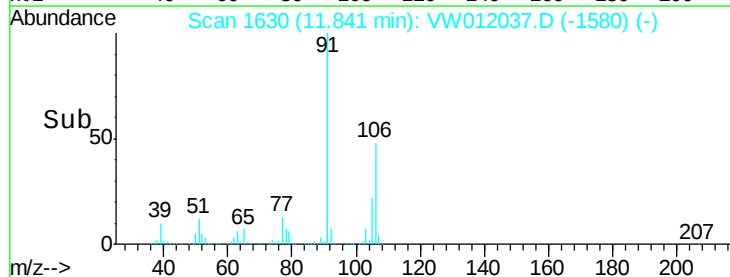
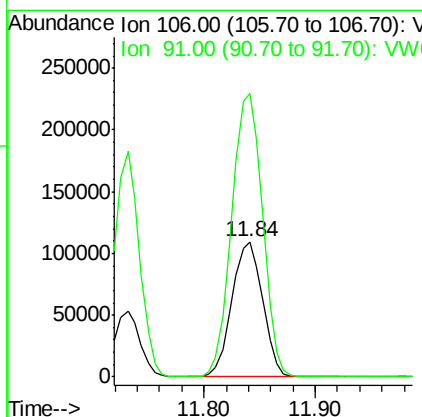
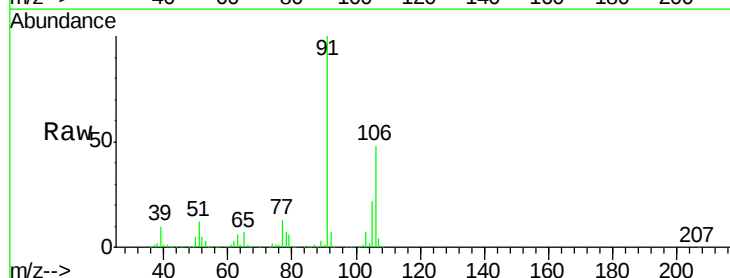
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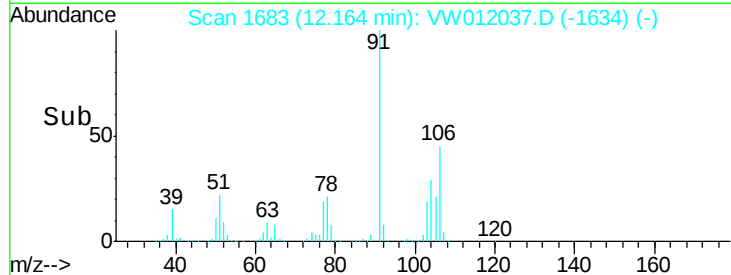
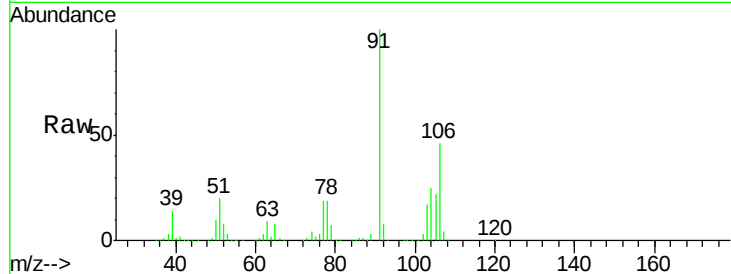
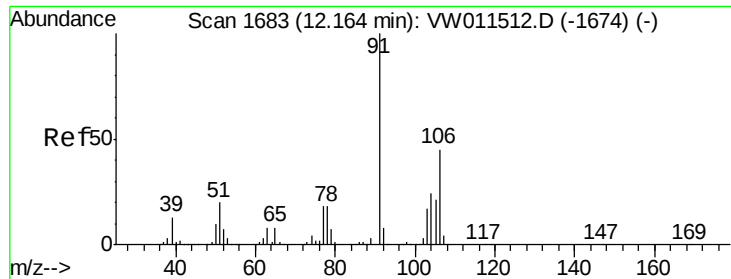
MMDadoda
8/21/2019 8:30:01 AM



#68
m/p-Xylenes
Concen: 42.651 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion: 106 Resp: 208439
Ion Ratio Lower Upper
106 100
91 210.9 168.2 252.2





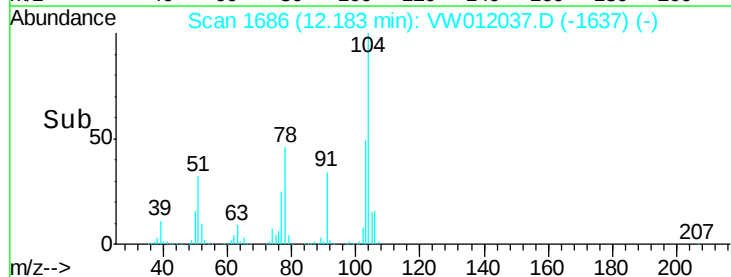
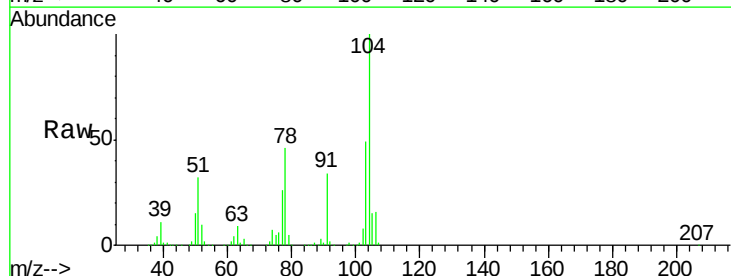
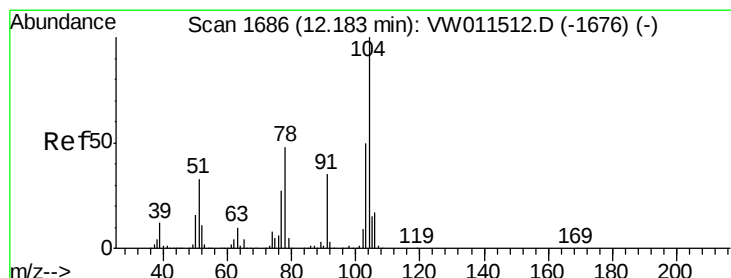
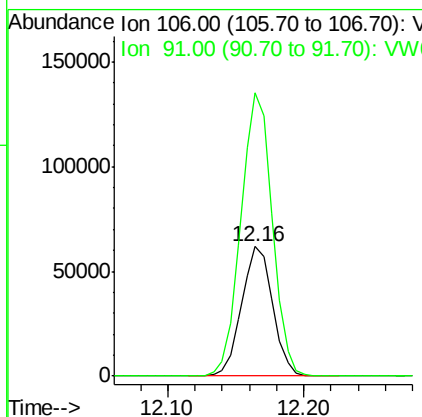
#69
o-Xylene
Concen: 21.769 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tot Ion:106 Resp: 98860
Ion Ratio Lower Upper
106 100
91 220.5 110.5 331.5

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD02

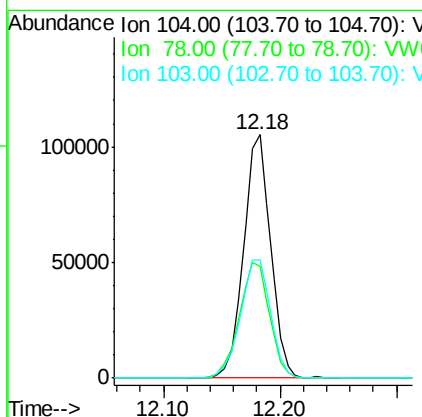
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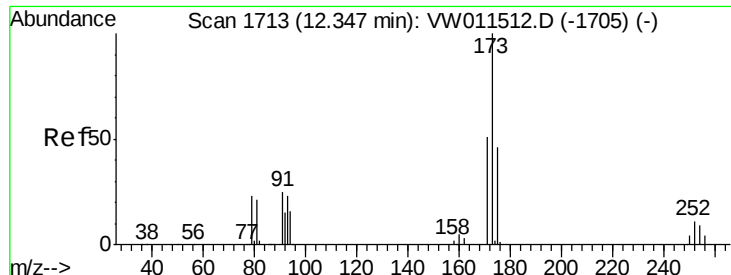
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#70
Styrene
Concen: 21.730 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion:104 Resp: 170623
Ion Ratio Lower Upper
104 100
78 53.0 43.4 65.0
103 54.4 43.9 65.9





#71

Bromoform

Concen: 20.574 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion:173 Resp: 25782

Ion Ratio Lower Upper

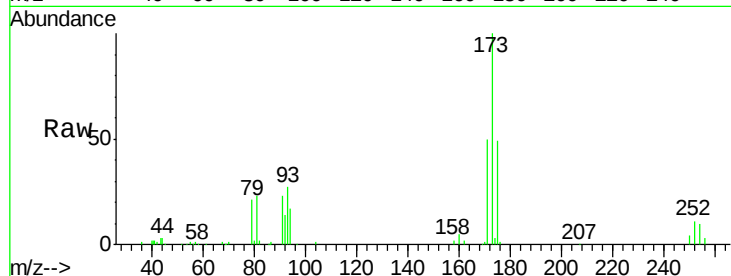
173 100

175 49.0 23.6 71.0

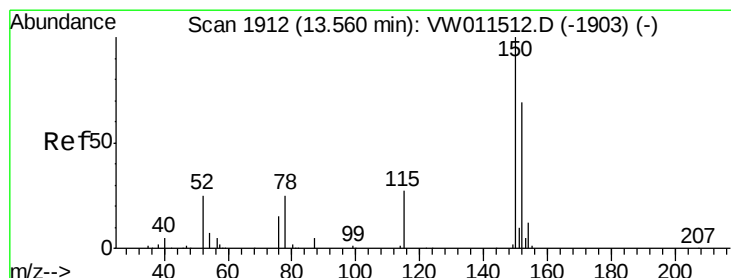
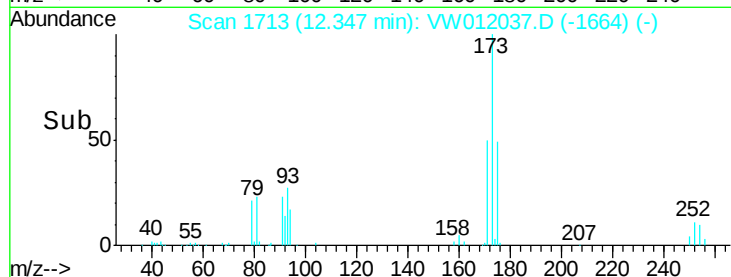
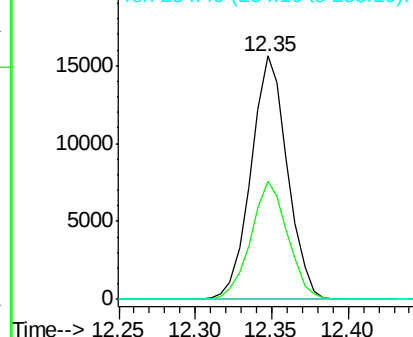
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

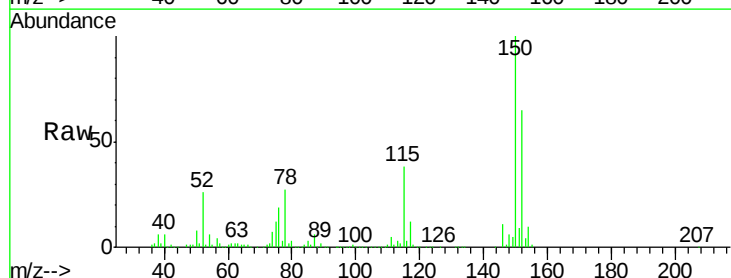
Tgt Ion:152 Resp: 169610

Ion Ratio Lower Upper

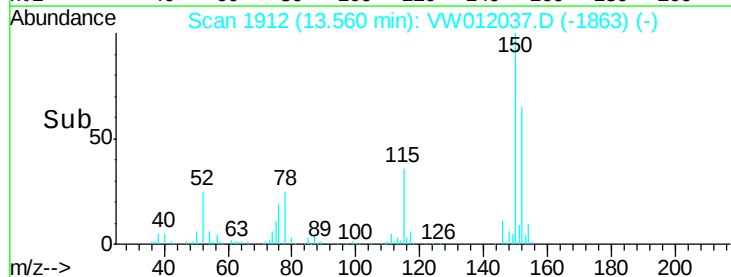
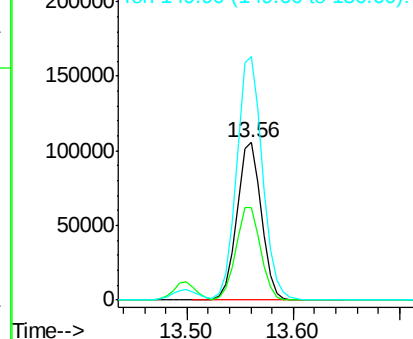
152 100

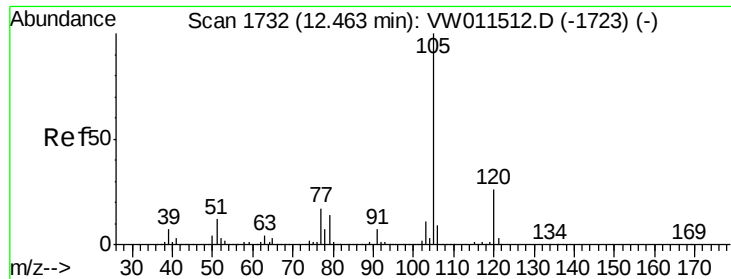
115 60.0 30.5 91.5

150 163.5 0.0 352.6



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





#73

Isopropylbenzene

Concen: 21.603 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS02

Tot Ion: 105 Resp: 273355

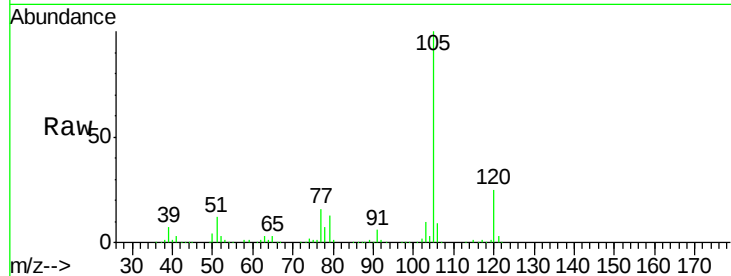
Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7

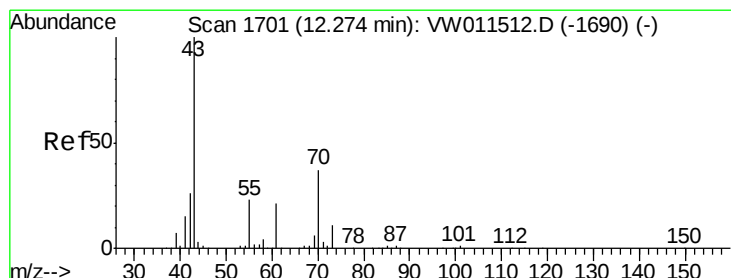
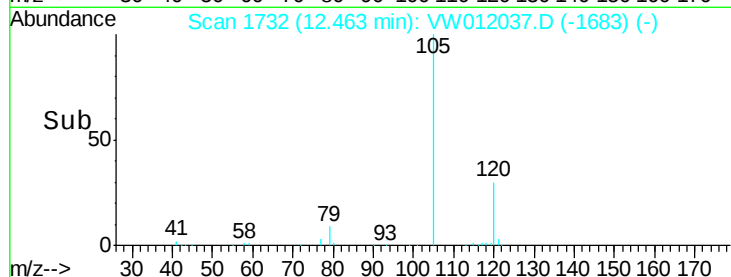
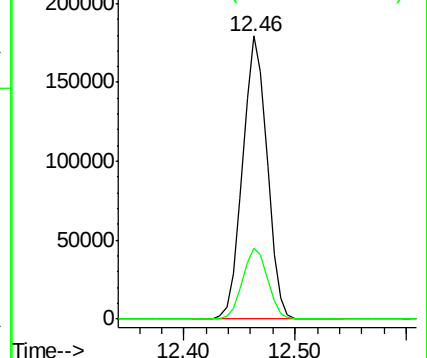
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.149 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion: 43 Resp: 83782

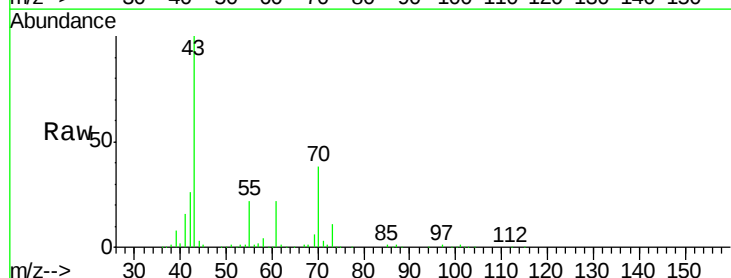
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 22.8 17.8 26.8

61 20.9 17.0 25.6

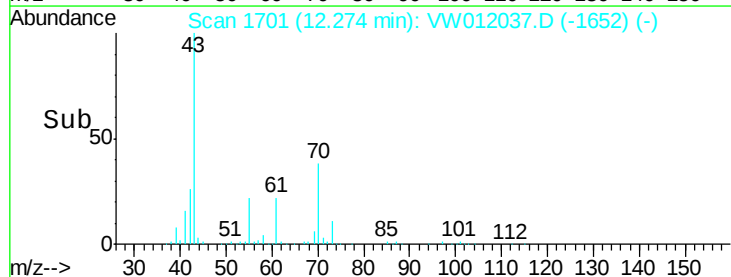
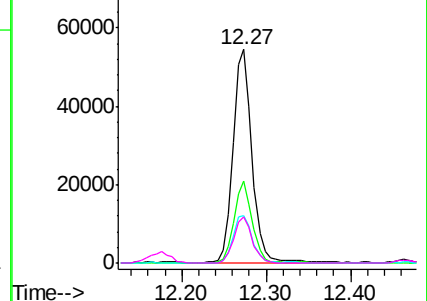


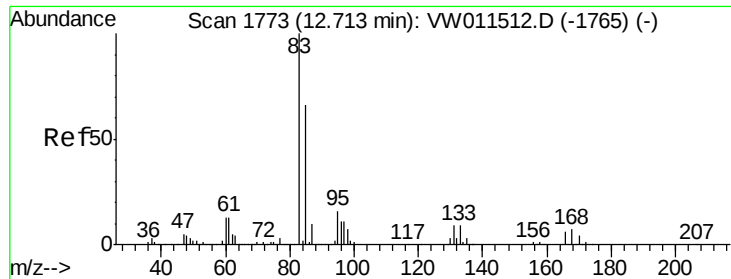
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





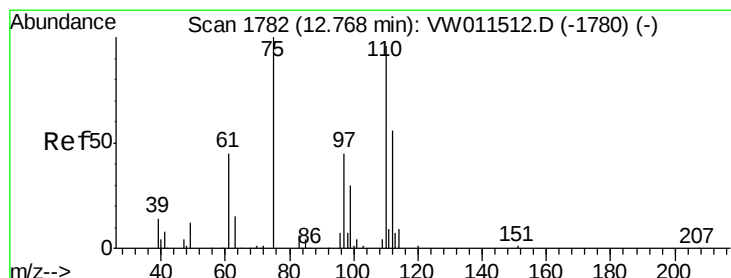
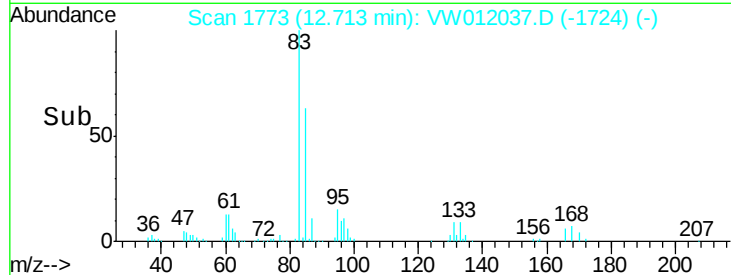
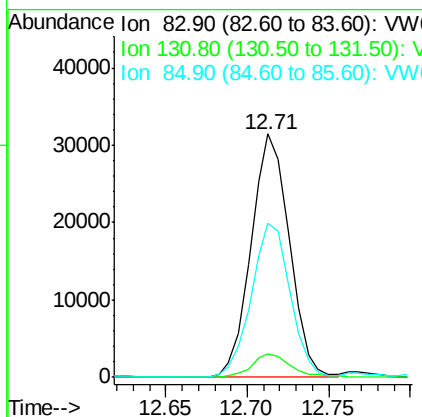
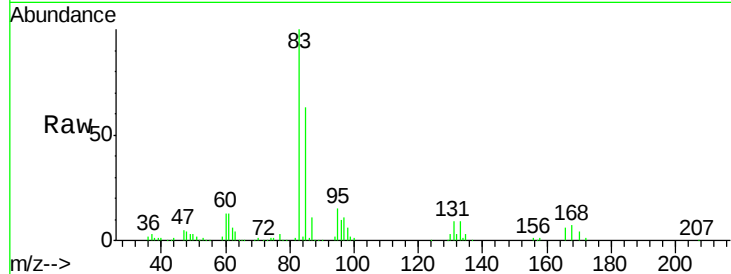
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.540 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	64.3	31.8	95.4

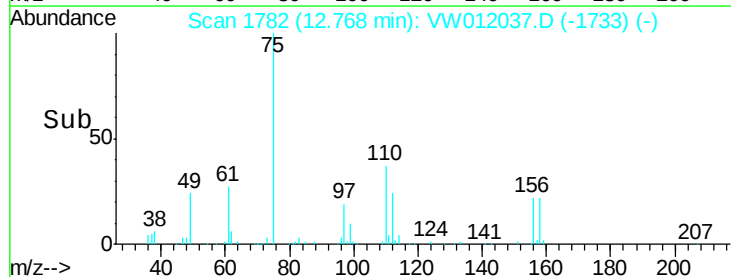
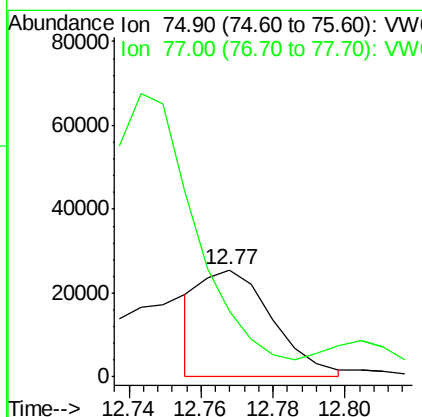
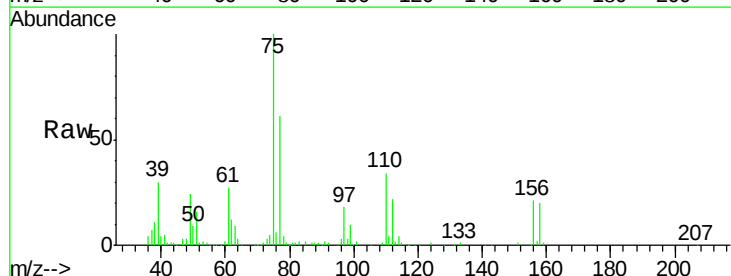
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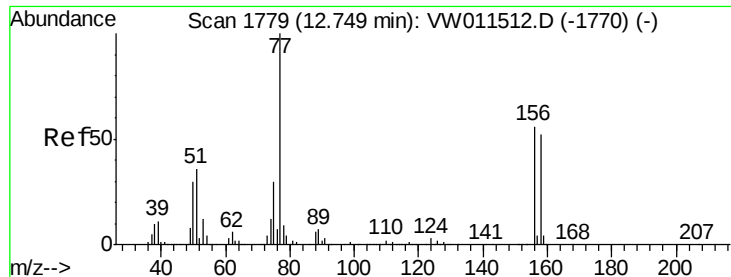
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 19.668 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.518 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

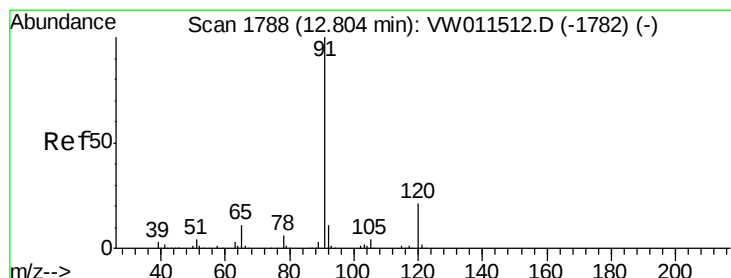
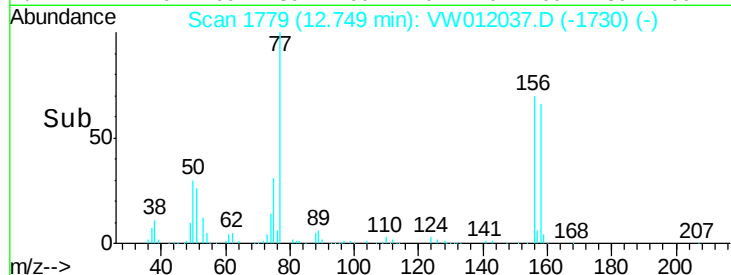
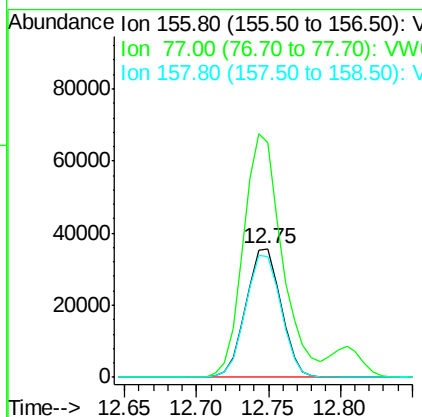
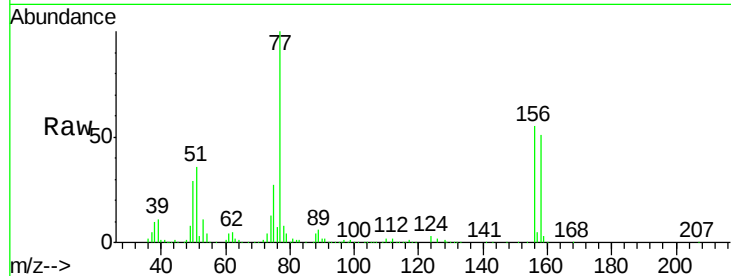
ClientSampleId :

VW0820SBSD02

Tot Ion:	156	Resp:	60181
Ion Ratio	Lower	Upper	
156	100		
77	208.6	106.5	319.4
158	96.0	48.0	144.2

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#78

n-propylbenzene

Concen: 21.601 ug/l

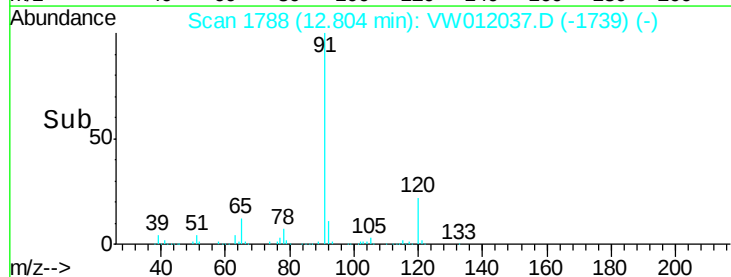
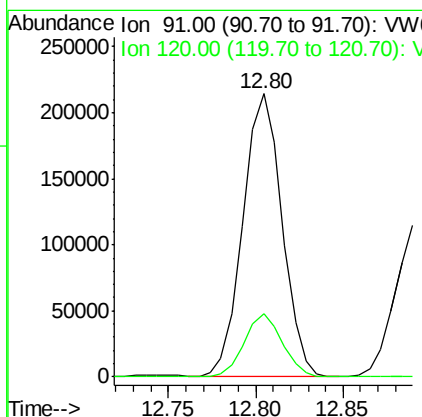
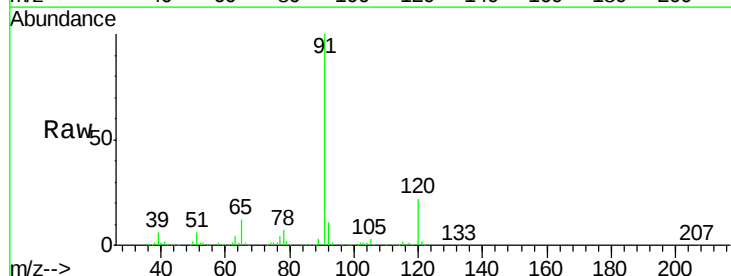
RT: 12.80 min Scan# 1788

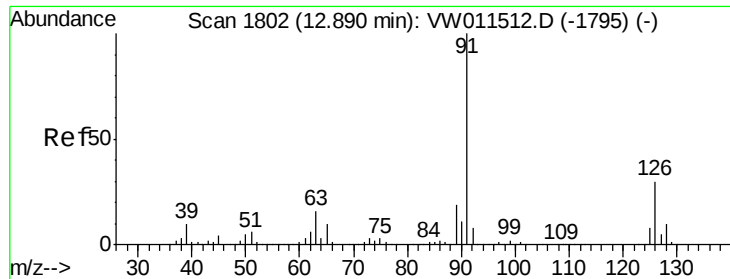
Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion:	91	Resp:	332636
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.7





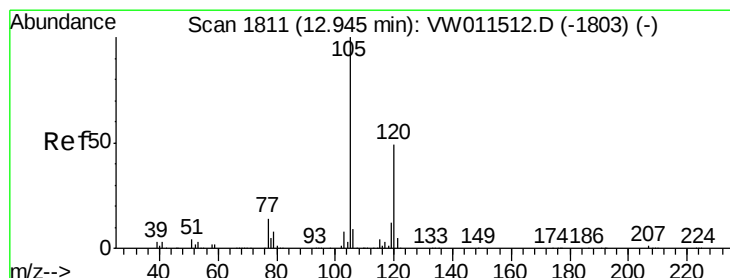
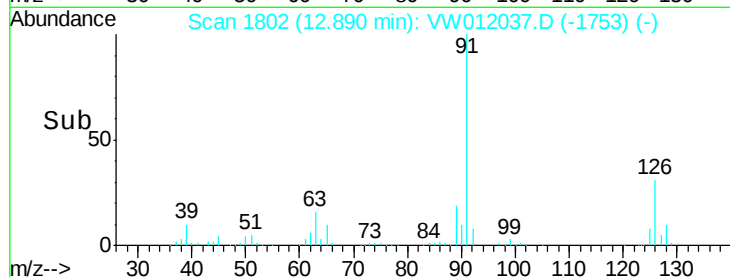
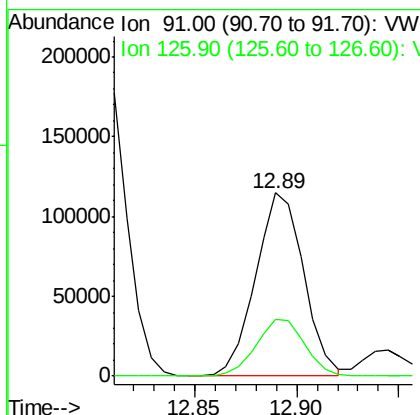
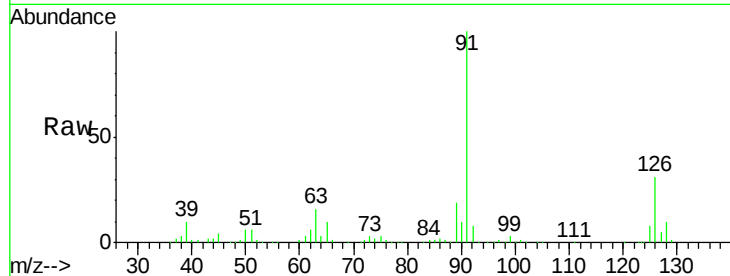
#79
 2-Chlorotoluene
 Concen: 21.193 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD02

Tot Ion: 91 Resp: 188017
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.7 47.1

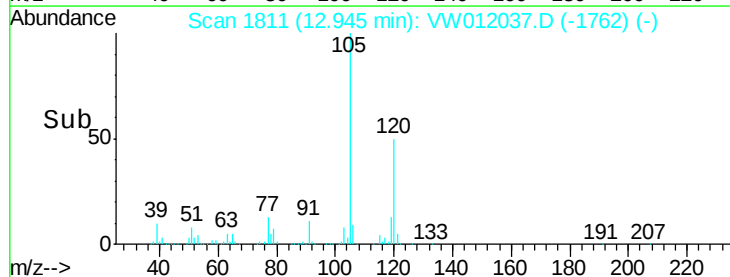
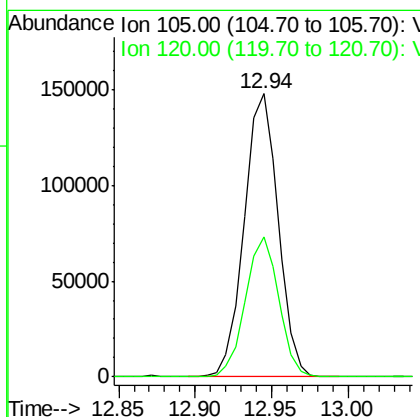
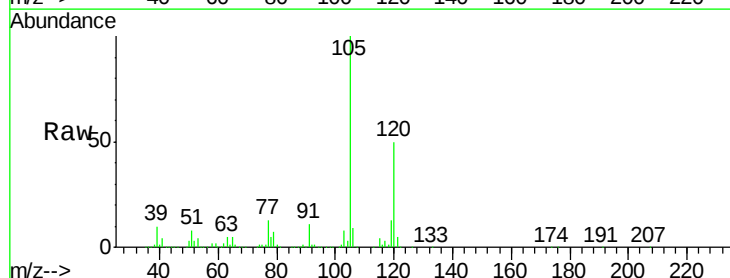
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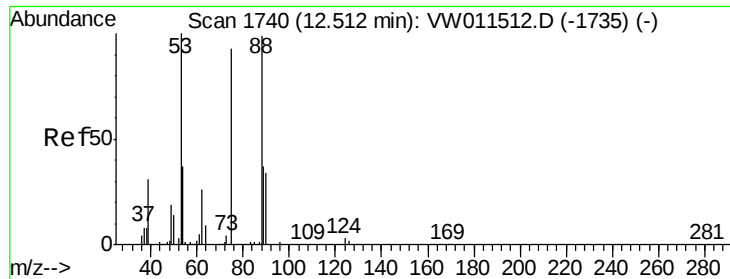
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.472 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion: 105 Resp: 227750
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.3





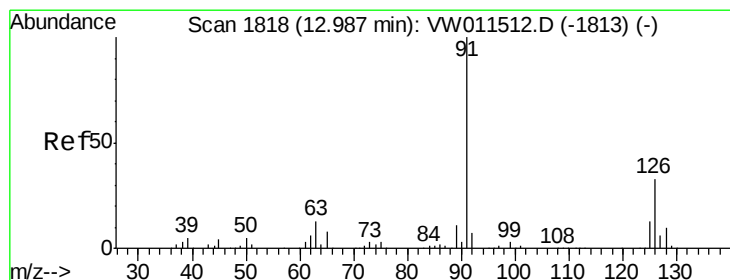
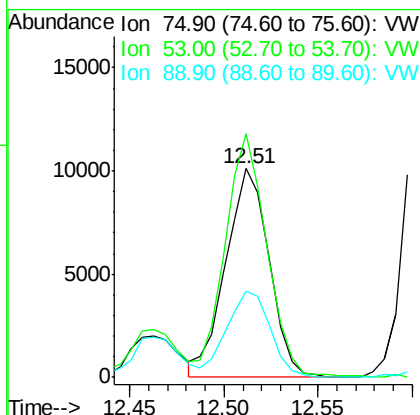
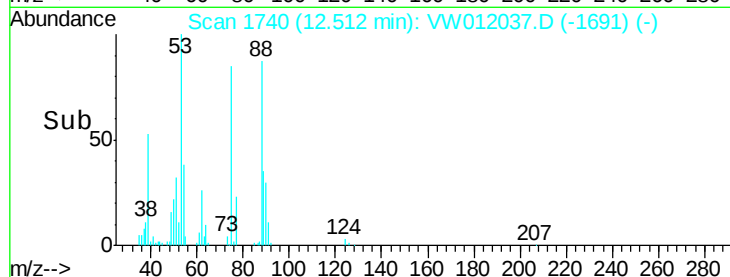
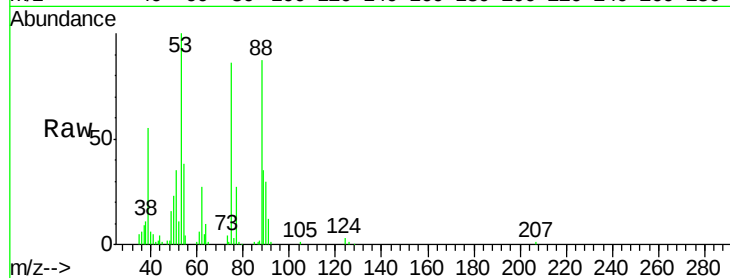
#81
trans-1,4-Dichloro-2-butene
Concen: 20.721 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.0	88.0	132.0
89	41.3	35.3	52.9

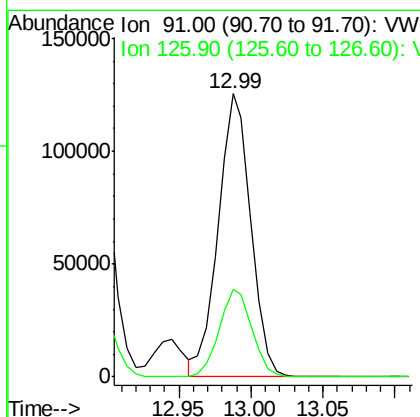
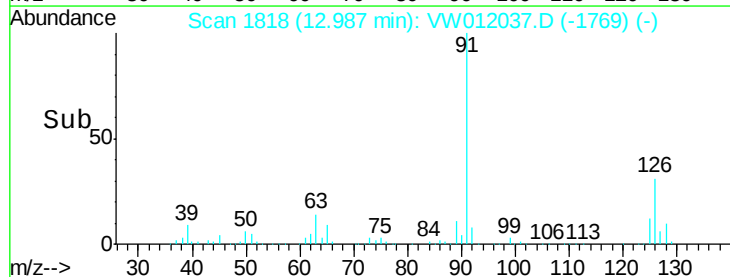
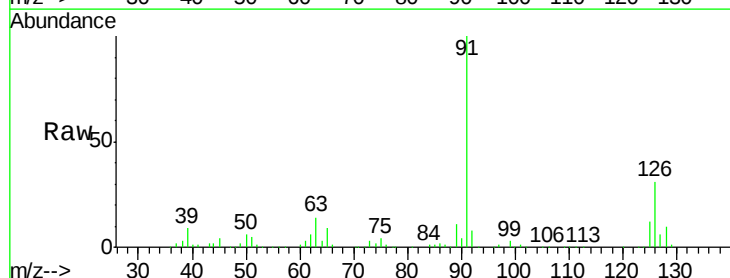
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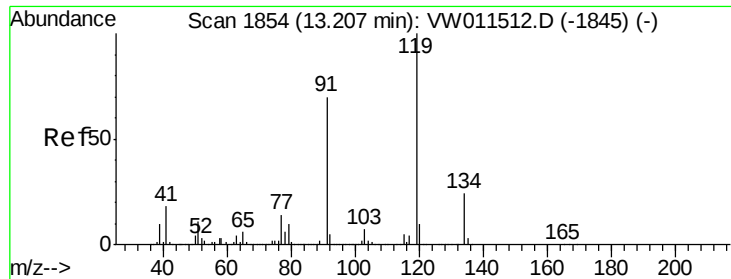
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#82
4-Chlorotoluene
Concen: 21.263 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





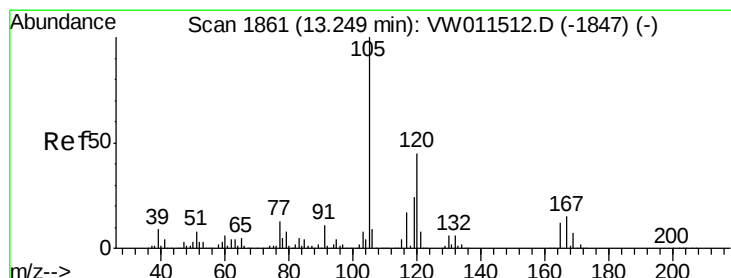
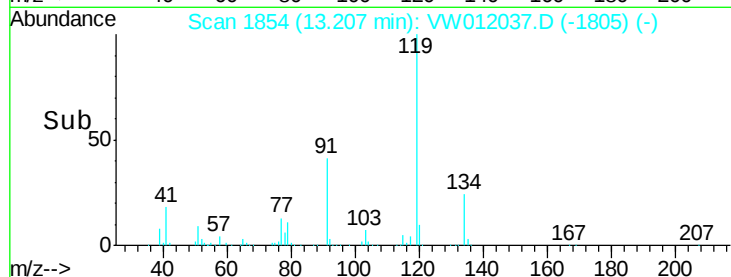
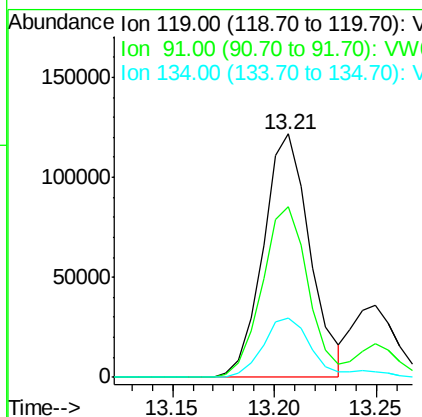
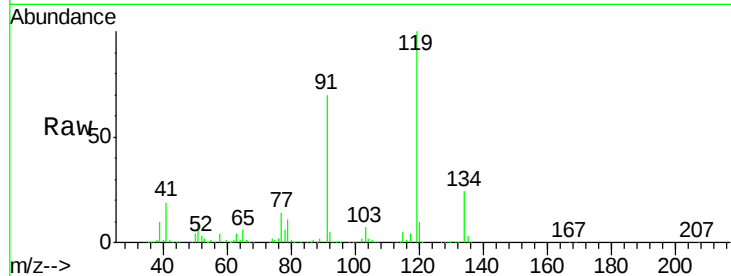
#83
 tert-Butylbenzene
 Concen: 21.899 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.5	103.6
134	25.0	12.4	37.4

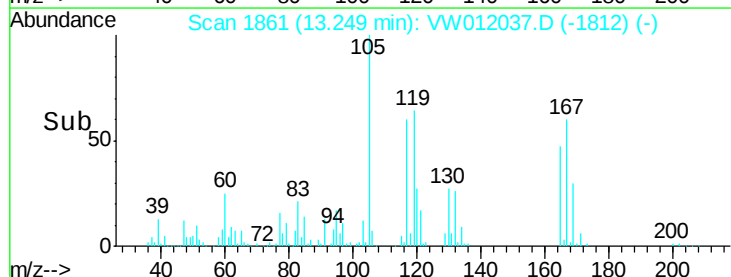
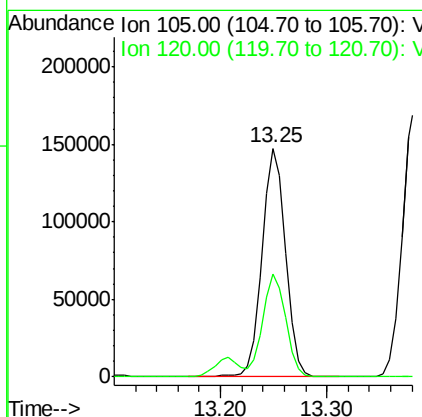
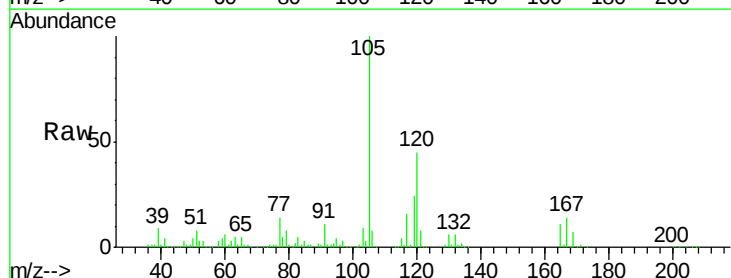
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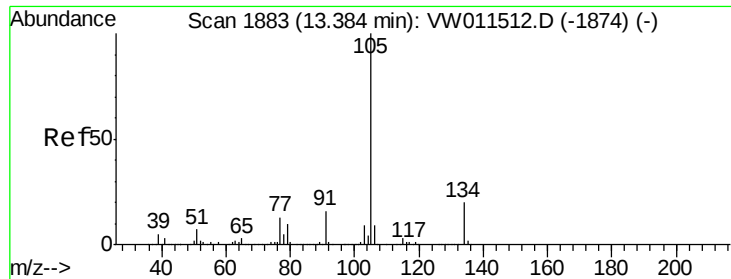
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.367 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.888 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD02

Tot Ion:105 Resp: 277011

Ion Ratio Lower Upper

105 100

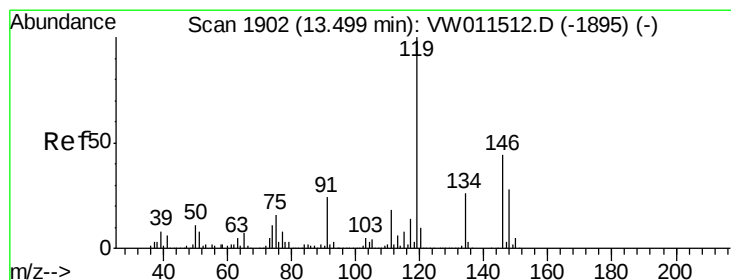
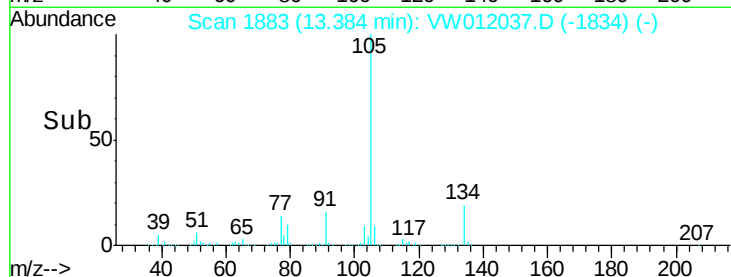
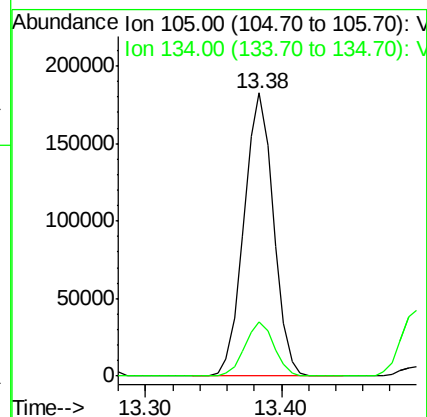
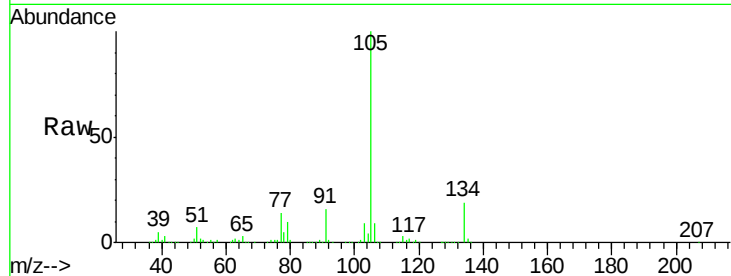
134 19.1 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.370 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

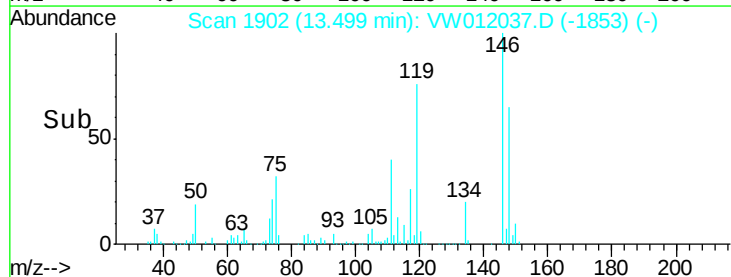
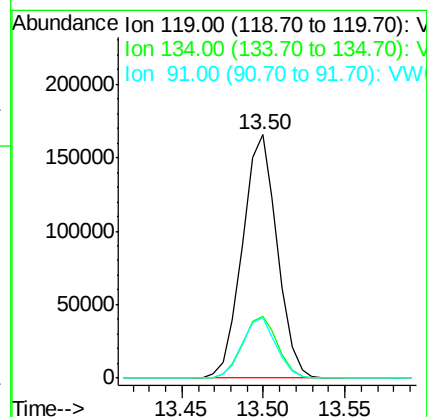
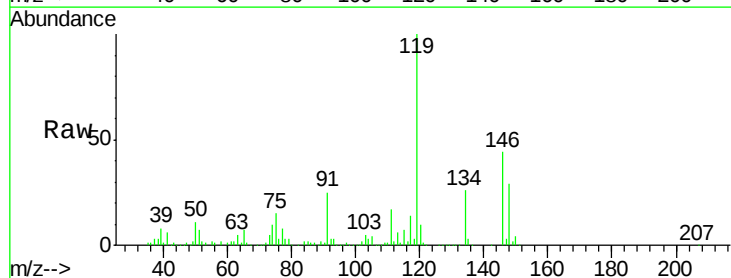
Tgt Ion:119 Resp: 245395

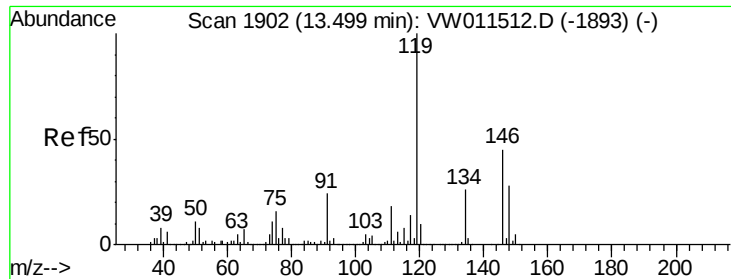
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.171 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

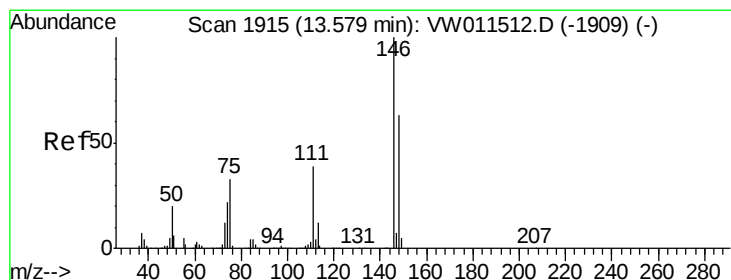
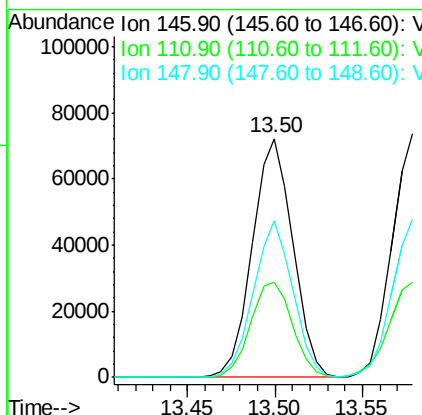
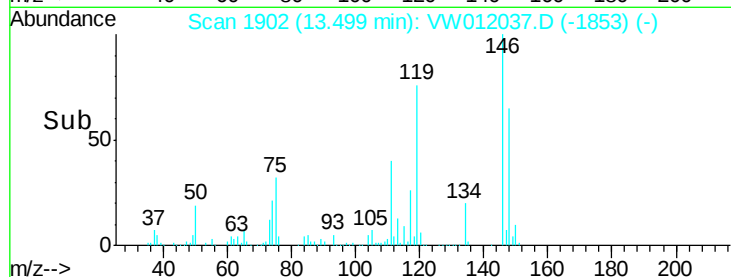
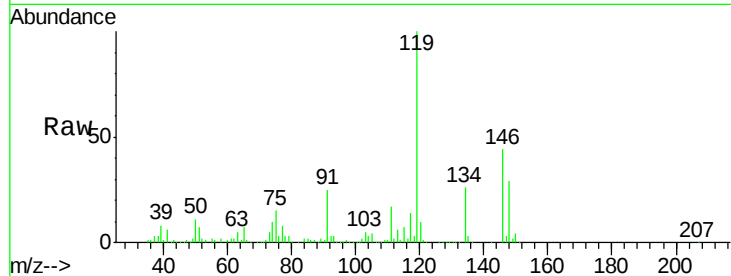
Instrument :
MSVOA_W

ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	116101		
111	41.4	20.5	61.6	
148	63.7	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 21.052 ug/l

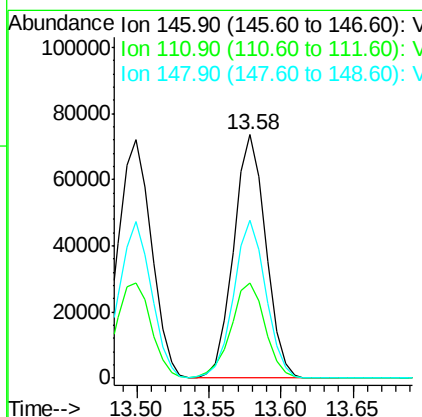
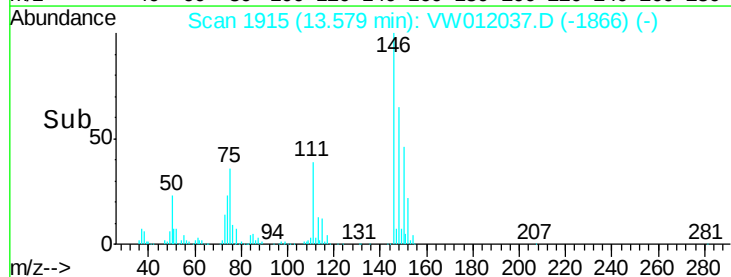
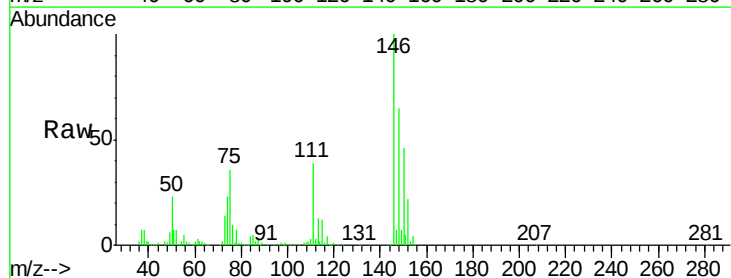
RT: 13.58 min Scan# 1915

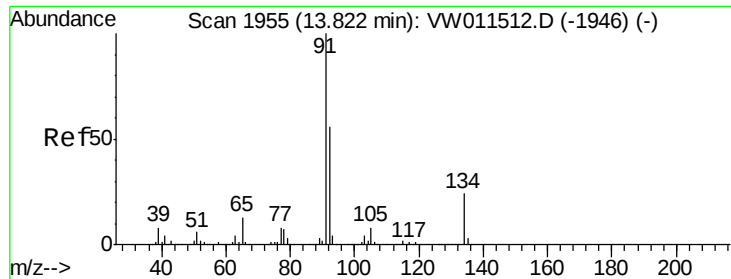
Delta R.T. -0.00 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114841		
111	41.6	20.1	60.2	
148	64.9	31.9	95.9	





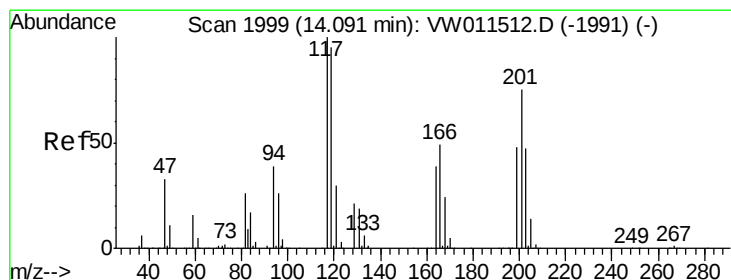
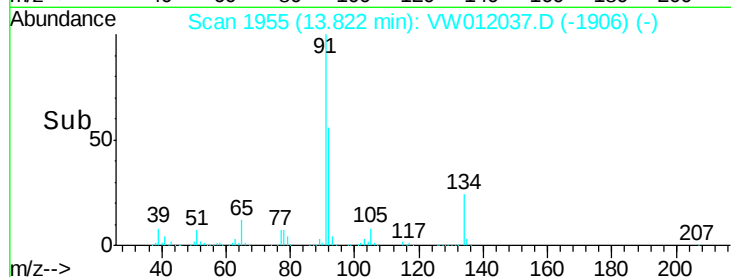
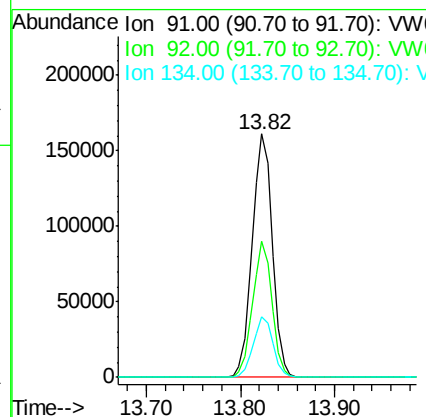
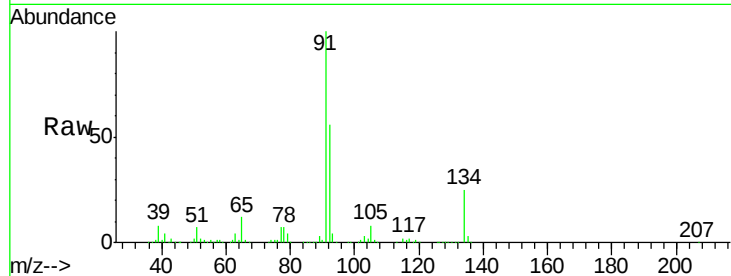
#89
n-Butylbenzene
Concen: 21.102 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	241819		
92	53.8		27.5	82.4
134	24.4		12.2	36.6

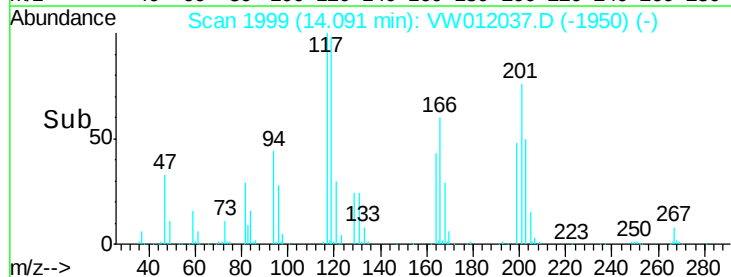
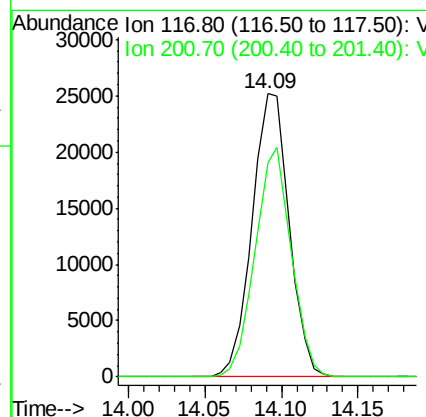
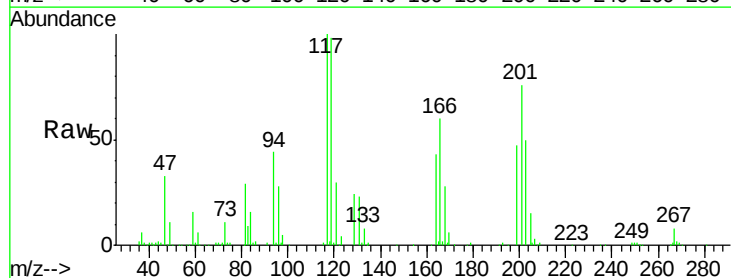
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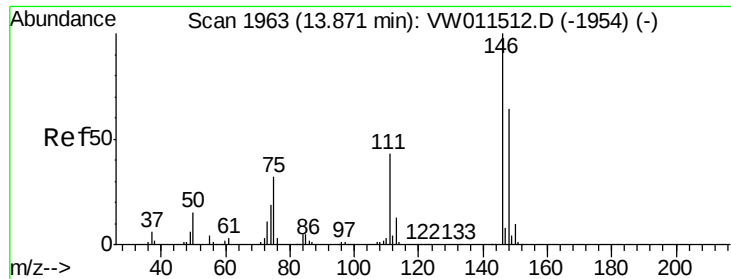
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#90
Hexachloroethane
Concen: 20.932 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012037.D
Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42502		
201	78.9		39.4	118.2





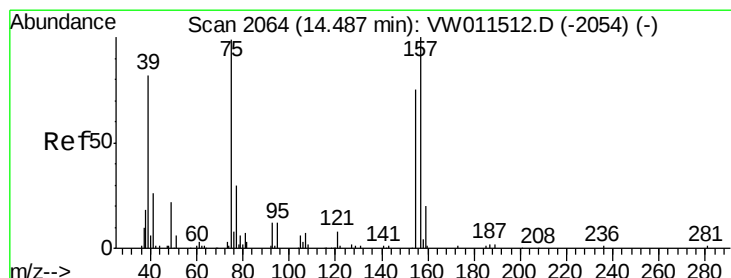
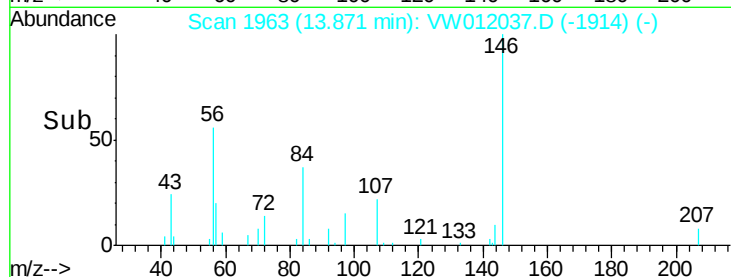
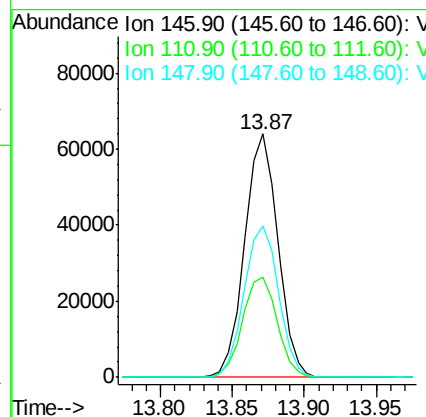
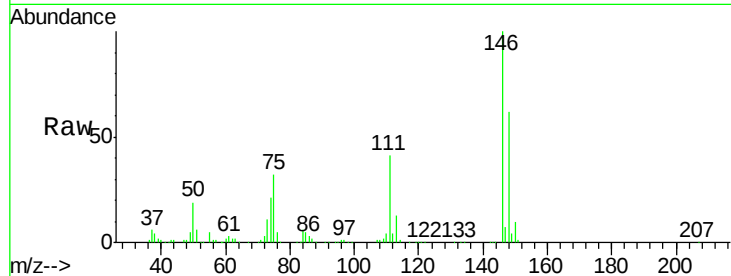
#91
 1,2-Dichlorobenzene
 Concen: 21.111 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	64.4	32.0	96.2

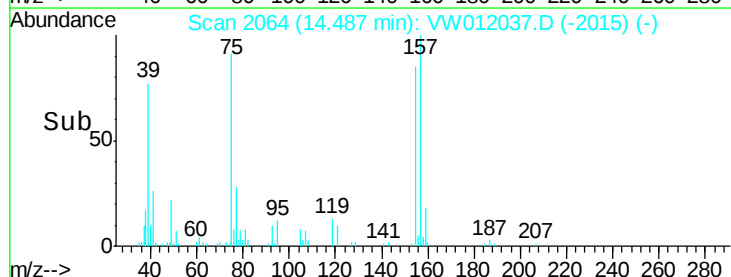
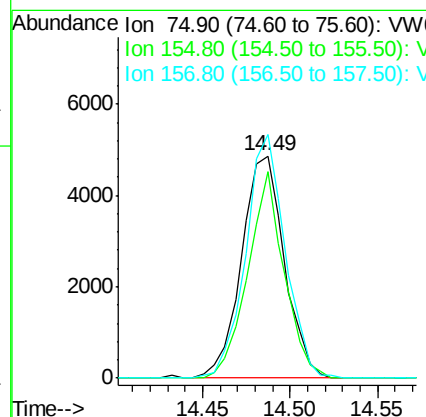
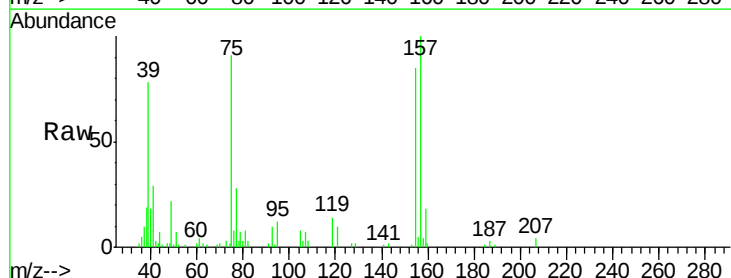
Manual Integrations
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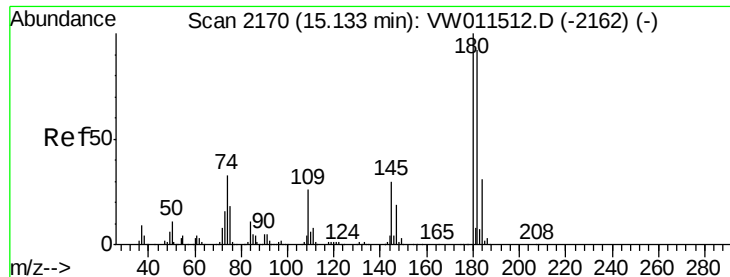
MMDadoda
 8/21/2019 8:30:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.465 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	38.2	114.6
157	100.6	48.9	146.7





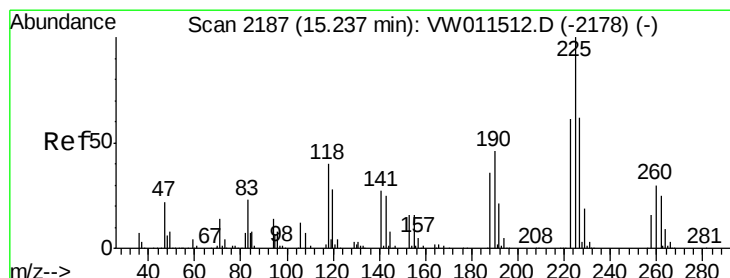
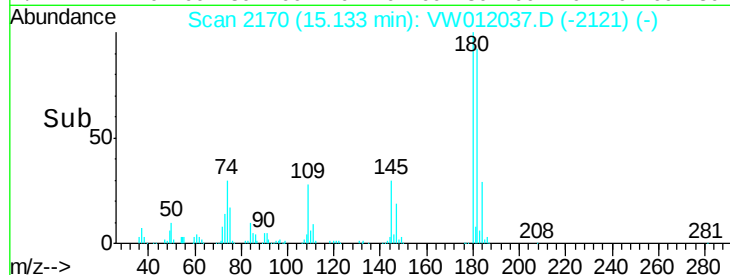
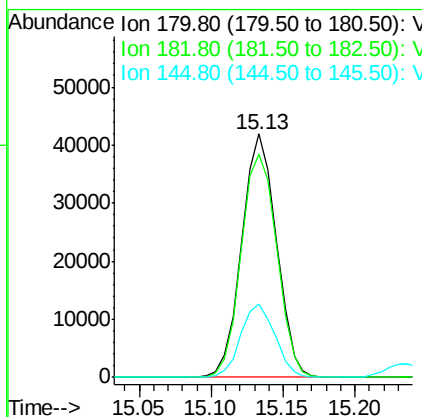
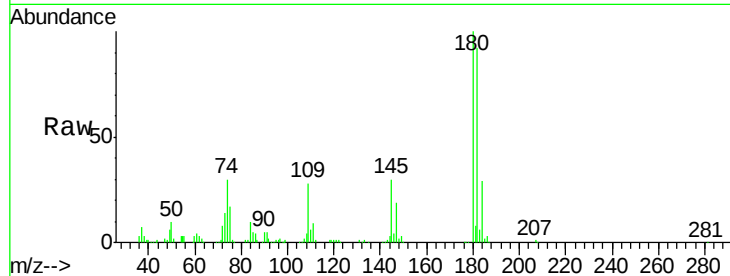
#93
 1,2,4-Trichlorobenzene
 Concen: 20.440 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69869		
182	94.6		47.4	142.2
145	29.7		15.4	46.1

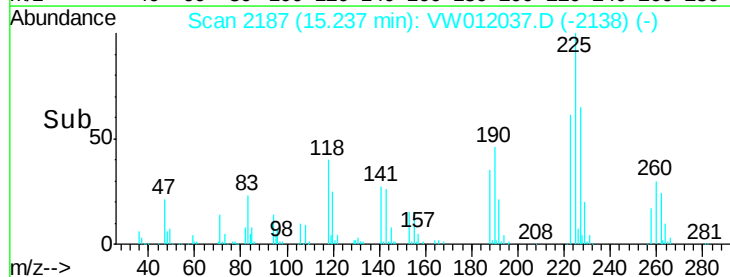
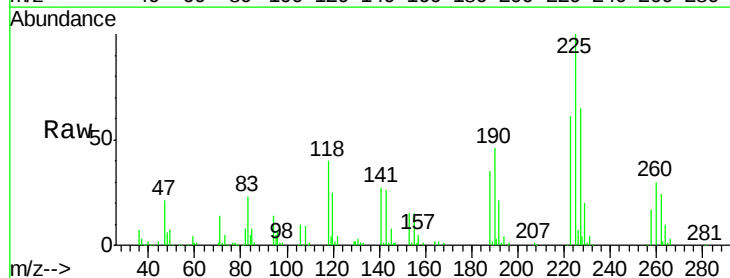
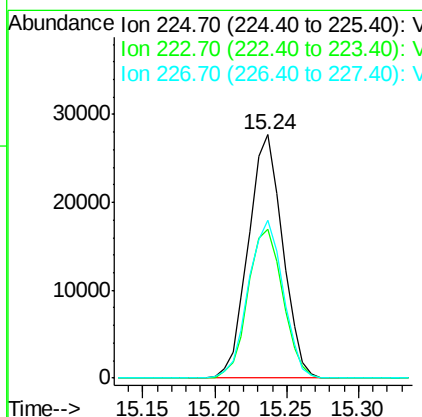
Manual Integrations
 APPROVED

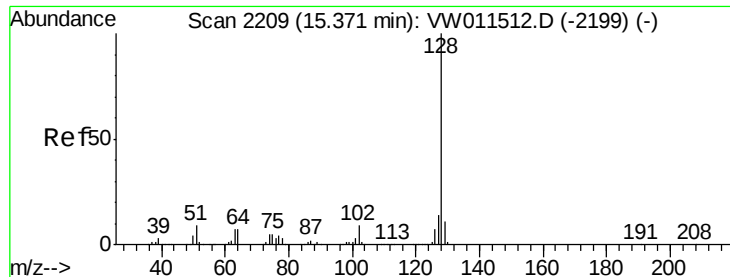
MMDadoda
 8/21/2019 8:30:01 AM



#94
 Hexachlorobutadiene
 Concen: 21.375 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012037.D
 Acq: 20 Aug 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45566		
223	62.5		30.8	92.3
227	65.4		31.6	94.7





#95

Naphthalene

Concen: 20.141 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Instrument :

MSVOA_W

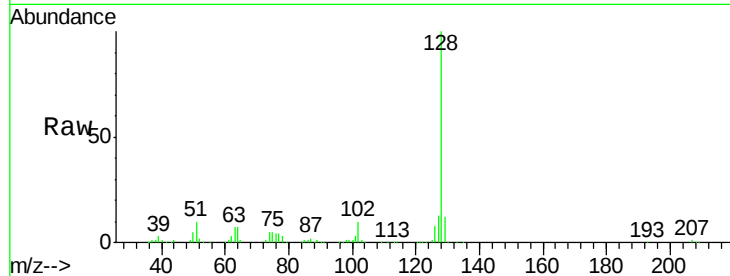
ClientSampleId :

VW0820SBSD02

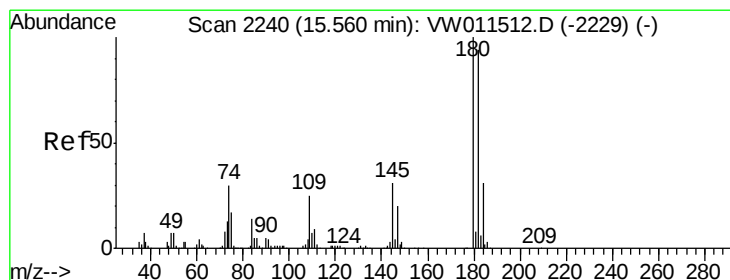
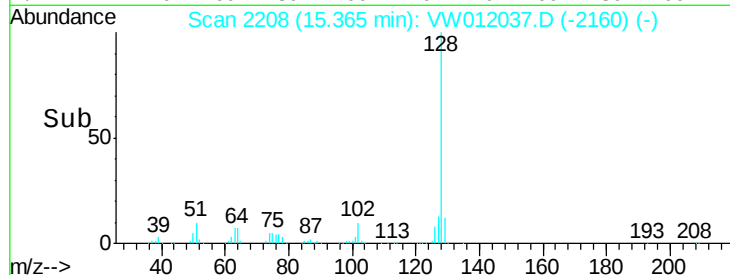
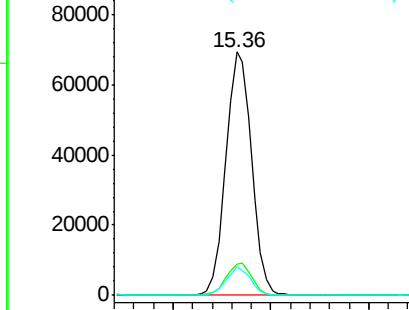
Tot Ion:	128	Resp:	126244
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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8/21/2019 8:30:01 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.783 ug/l

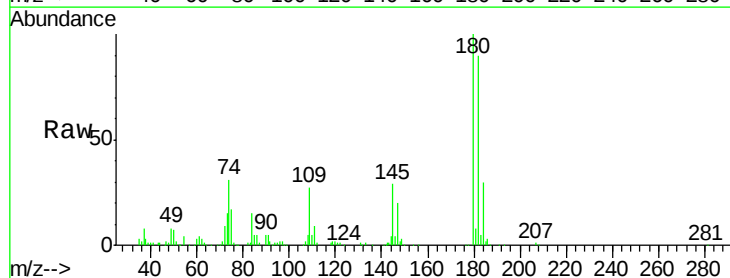
RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012037.D

Acq: 20 Aug 2019 18:45

Tgt Ion:	180	Resp:	62272
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.4	142.2
145	30.7	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

