

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012561.D
 Acq On : 03 Sep 2019 22:48
 Operator : SY/VA
 Sample : VW0903SBS03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:34 AM

Quant Time: Sep 04 07:35:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	334080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	147507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149260	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
35) Dibromofluoromethane	7.88	113	115677	58.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.02%	
50) Toluene-d8	10.32	98	446600	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
62) 4-Bromofluorobenzene	12.62	95	165805	58.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21246	16.672	ug/l	94
3) Chloromethane	2.21	50	36557	18.516	ug/l	96
4) Vinyl Chloride	2.36	62	39097	16.180	ug/l	99
5) Bromomethane	2.77	94	22366	18.276	ug/l	99
6) Chloroethane	2.90	64	23667	17.362	ug/l	95
7) Trichlorofluoromethane	3.25	101	22156	18.260	ug/l	96
8) Diethyl Ether	3.68	74	26818	23.285	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	44582	21.616	ug/l	99
10) Methyl Iodide	4.26	142	58609	21.002	ug/l	98
11) Tert butyl alcohol	5.20	59	19587	132.295	ug/l	97
12) 1,1-Dichloroethene	4.03	96	42072	20.267	ug/l	96
13) Acrolein	3.89	56	10420	74.766	ug/l	95
14) Allyl chloride	4.66	41	93754	21.125	ug/l	100
15) Acrylonitrile	5.36	53	70937	124.263	ug/l	98
16) Acetone	4.13	43	63641	101.196	ug/l	97
17) Carbon Disulfide	4.37	76	97630	15.562	ug/l	99
18) Methyl Acetate	4.67	43	44504	28.571	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	87170	25.966	ug/l	97
20) Methylene Chloride	4.91	84	53323	22.429	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	47278	21.238	ug/l	97
22) Diisopropyl ether	6.31	45	201019	24.437	ug/l	97
23) Vinyl Acetate	6.25	43	592160	116.969	ug/l	100
24) 1,1-Dichloroethane	6.21	63	104348	23.297	ug/l	100
25) 2-Butanone	7.17	43	98958	115.796	ug/l	96
26) 2,2-Dichloropropane	7.17	77	55555	21.914	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	55444	23.312	ug/l	98
28) Bromochloromethane	7.51	49	47121	24.138	ug/l	97
29) Tetrahydrofuran	7.53	42	64955	126.688	ug/l	99
30) Chloroform	7.67	83	100984	24.643	ug/l	98
31) Cyclohexane	7.95	56	82207	18.551	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	74865	23.094	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72938	21.127	ug/l	99
37) Ethyl Acetate	7.26	43	45317	23.954	ug/l	99
38) Carbon Tetrachloride	8.07	117	67055	22.441	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	73596	18.976	ug/l	98
40) Benzene	8.32	78	211756	22.463	ug/l	98
41) Methacrylonitrile	7.48	41	30664	27.578	ug/l	92
42) 1,2-Dichloroethane	8.40	62	75041	25.399	ug/l	99
43) Isopropyl Acetate	8.42	43	87409	24.944	ug/l	99
44) Trichloroethene	9.09	130	51156	22.323	ug/l	94
45) 1,2-Dichloropropane	9.37	63	59230	23.346	ug/l	97
46) Dibromomethane	9.46	93	28026	24.828	ug/l	98
47) Bromodichloromethane	9.64	83	72604	24.167	ug/l	100
48) Methyl methacrylate	9.43	41	41592	24.938	ug/l	95
49) 1,4-Dioxane	9.46	88	8718	504.493	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	228626	128.271	ug/l	100
52) Toluene	10.38	92	130120	22.977	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73446	24.001	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	85205	23.060	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	40530	25.377	ug/l	96
56) Ethyl methacrylate	10.65	69	58030	24.965	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76320	25.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	138338	115.962	ug/l	99
59) 2-Hexanone	10.97	43	154135	122.219	ug/l	98
60) Dibromochloromethane	11.12	129	44456	24.991	ug/l	100
61) 1,2-Dibromoethane	11.23	107	36671	24.646	ug/l	100
64) Tetrachloroethene	10.86	164	43787	22.517	ug/l	99
65) Chlorobenzene	11.66	112	134227	22.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49707	24.125	ug/l	99
67) Ethyl Benzene	11.73	91	251664	22.120	ug/l	98
68) m/p-Xylenes	11.84	106	183252	44.715	ug/l	99
69) o-Xylene	12.16	106	86566	22.823	ug/l	99
70) Styrene	12.18	104	153780	23.423	ug/l	100
71) Bromoform	12.35	173	25303	24.648	ug/l #	98
73) Isopropylbenzene	12.46	105	243131	21.997	ug/l	100
74) N-amyl acetate	12.27	43	77787	23.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48193	23.783	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40035m	27.868	ug/l	
77) Bromobenzene	12.74	156	55939	23.394	ug/l	98
78) n-propylbenzene	12.80	91	292859	21.704	ug/l	99
79) 2-Chlorotoluene	12.89	91	172136	22.470	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208946	22.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13745	20.977	ug/l	97
82) 4-Chlorotoluene	12.99	91	181557	22.634	ug/l	100
83) tert-Butylbenzene	13.21	119	178566	22.824	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	210400	22.678	ug/l	98
85) sec-Butylbenzene	13.38	105	246826	22.021	ug/l	100
86) p-Isopropyltoluene	13.50	119	225135	22.491	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108769	23.256	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106774	22.992	ug/l	98
89) n-Butylbenzene	13.82	91	212822	21.380	ug/l	99
90) Hexachloroethane	14.09	117	38810	22.099	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	97305	23.716	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8300	24.297	ug/l	98

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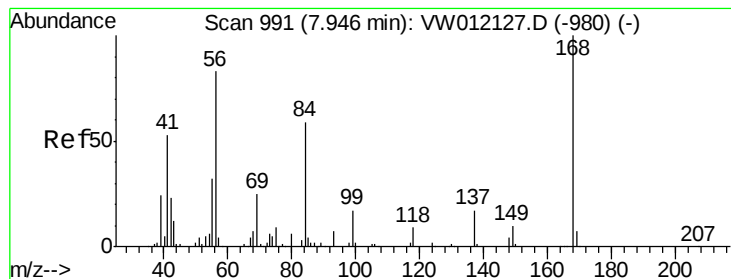
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66485	23.448	ug/l	100
94) Hexachlorobutadiene	15.24	225	44443	23.738	ug/l	96
95) Naphthalene	15.36	128	119813	23.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	59510	24.056	ug/l	100

(#) = 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: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion:168 Resp: 206959

Ion Ratio Lower Upper

168 100

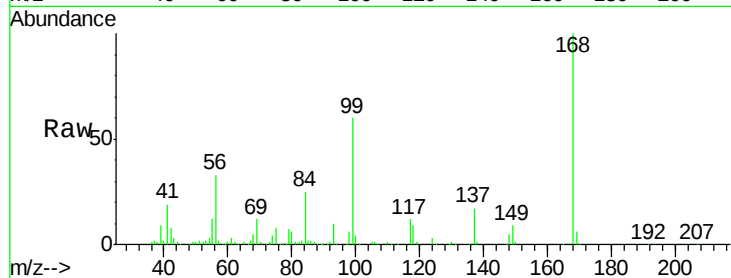
99 59.6 49.2 73.8

Manual Integrations

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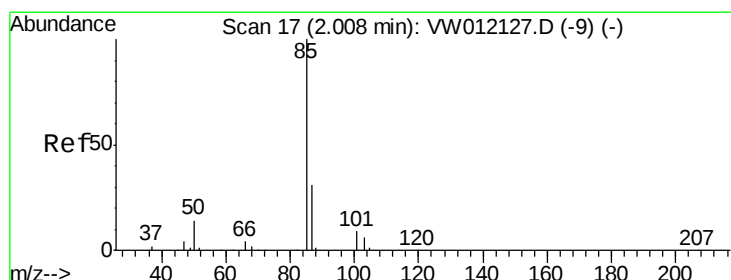
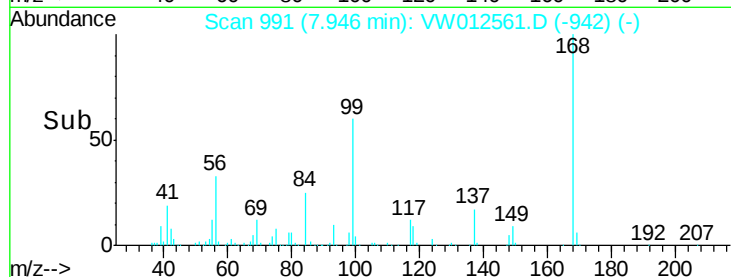
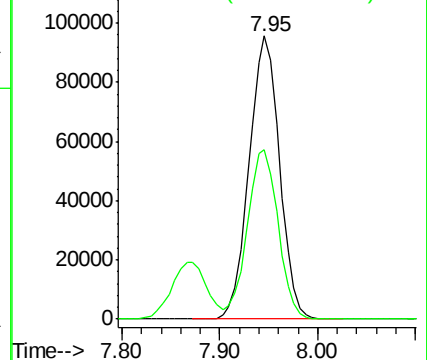
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.672 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012561.D

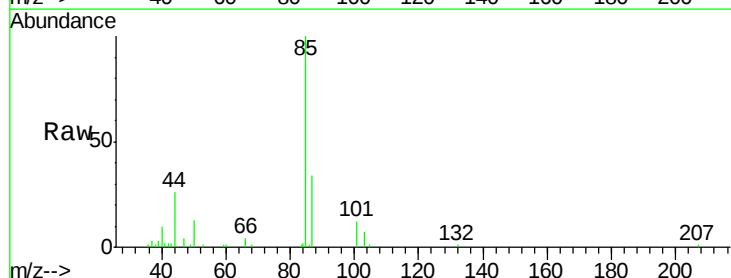
Acq: 03 Sep 2019 22:48

Tgt Ion: 85 Resp: 21246

Ion Ratio Lower Upper

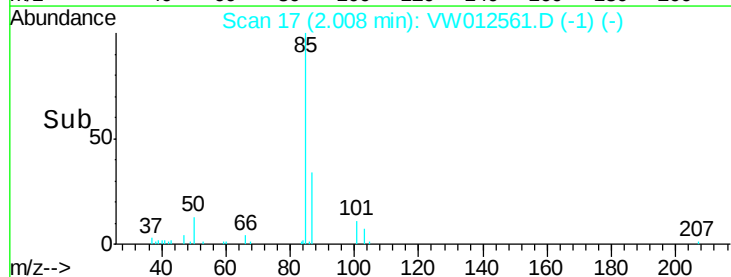
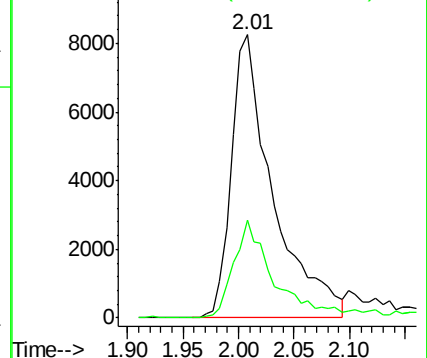
85 100

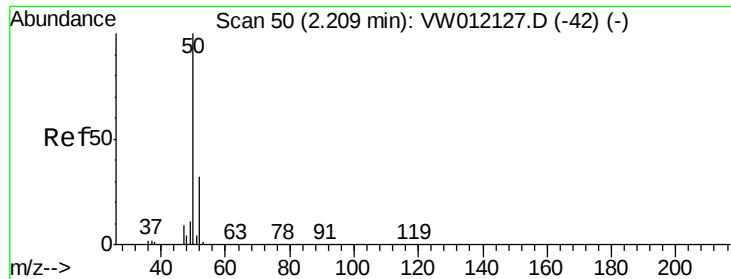
87 34.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.516 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 50 Resp: 36557

Ion Ratio Lower Upper

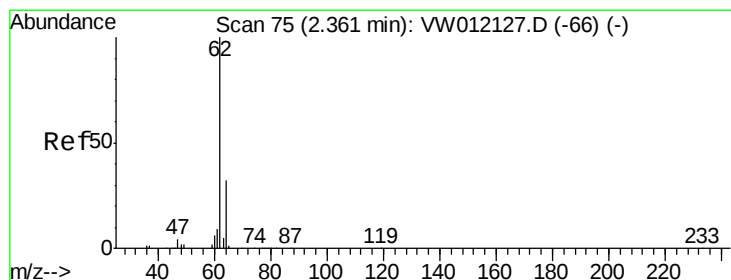
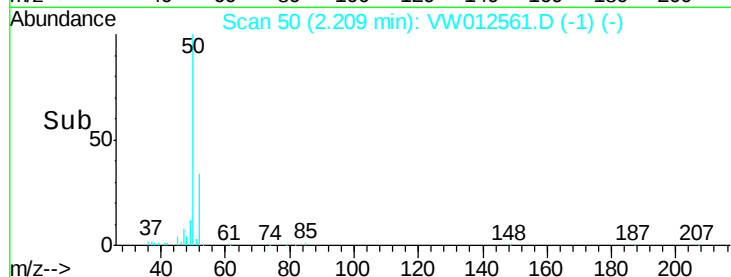
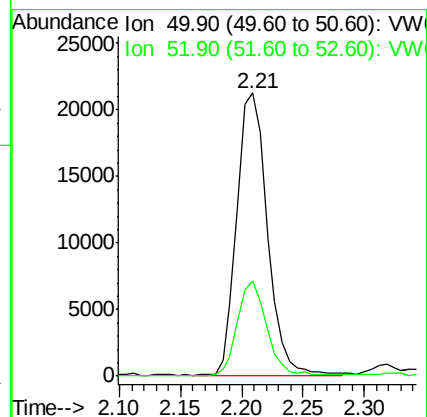
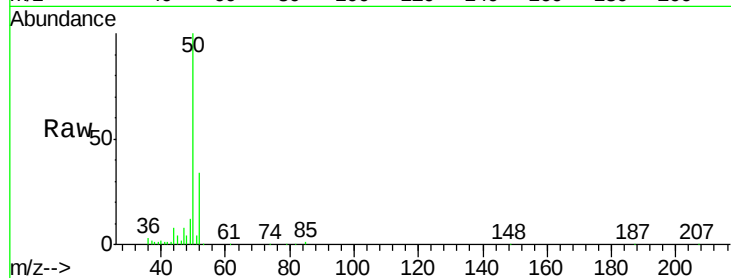
50 100

52 34.0 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.180 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012561.D

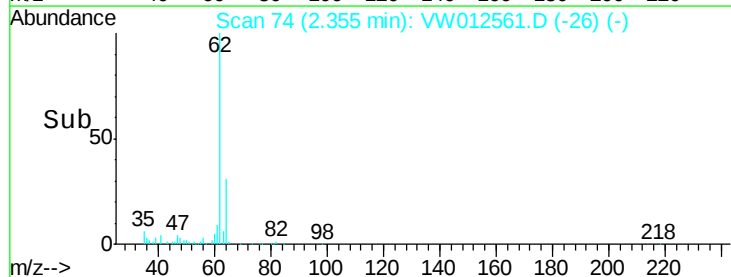
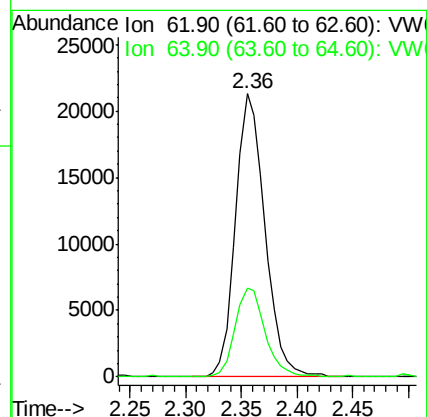
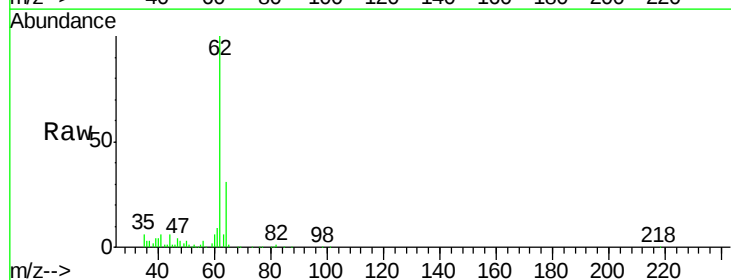
Acq: 03 Sep 2019 22:48

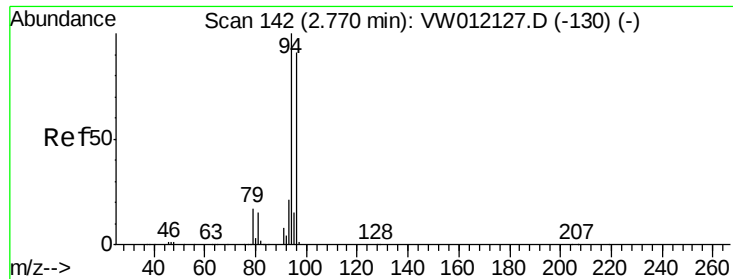
Tgt Ion: 62 Resp: 39097

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 18.276 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 94 Resp: 22366

Ion Ratio Lower Upper

94 100

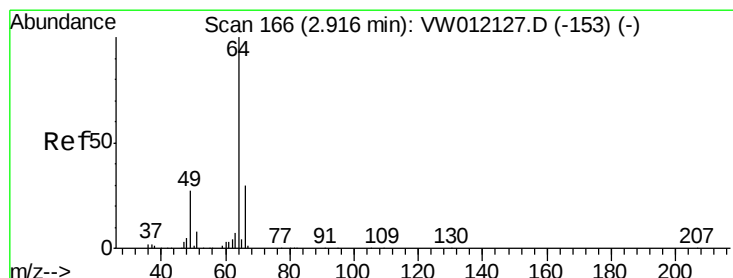
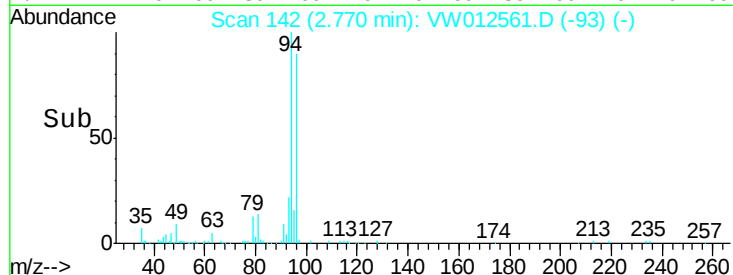
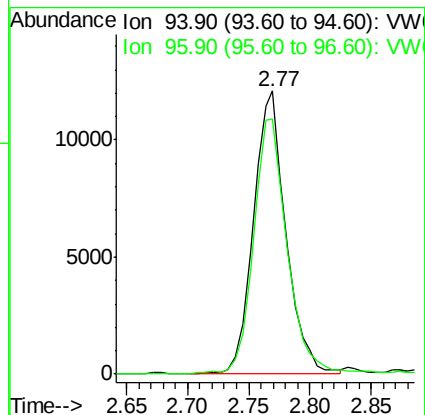
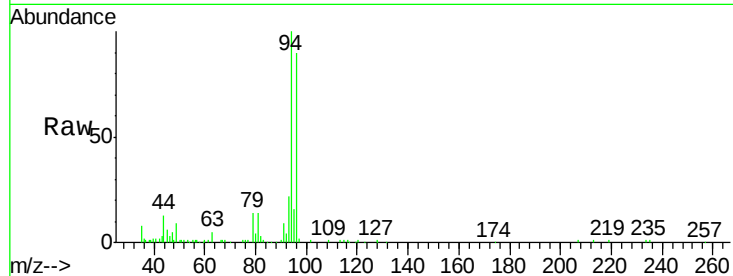
96 90.1 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.362 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012561.D

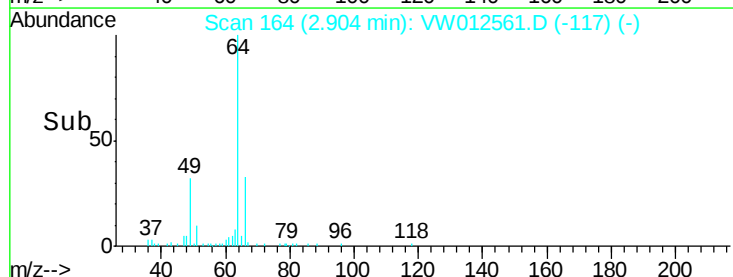
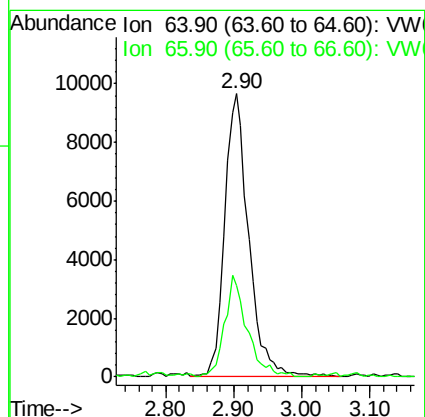
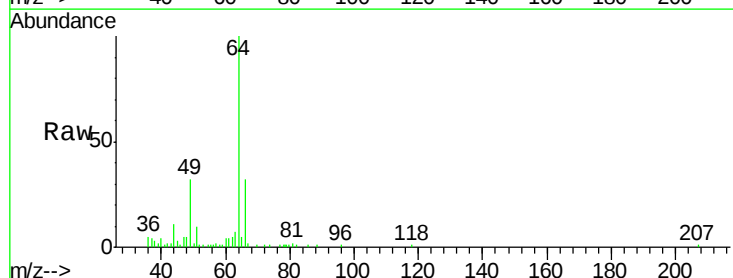
Acq: 03 Sep 2019 22:48

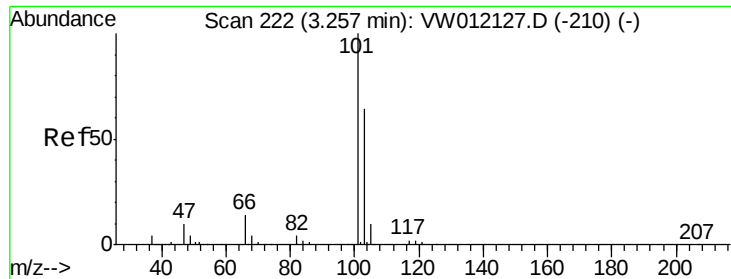
Tgt Ion: 64 Resp: 23667

Ion Ratio Lower Upper

64 100

66 32.4 23.8 35.8





#7

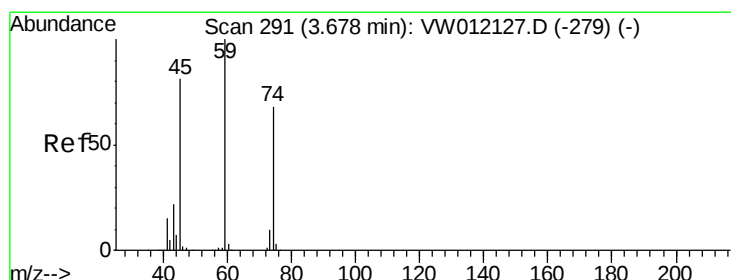
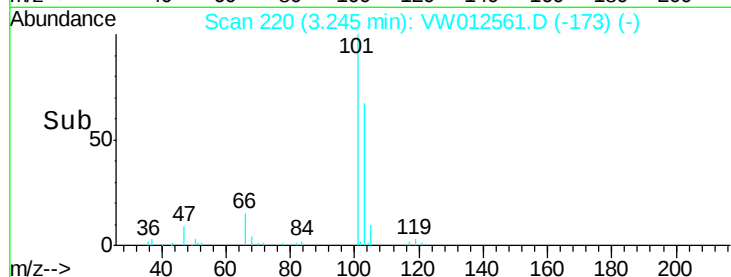
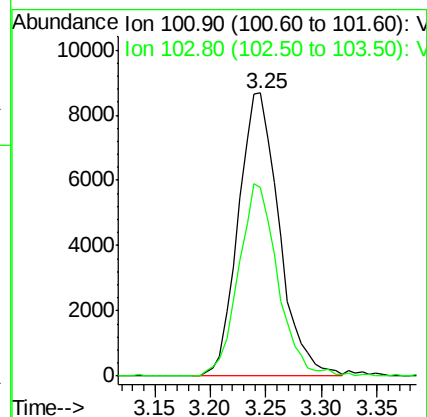
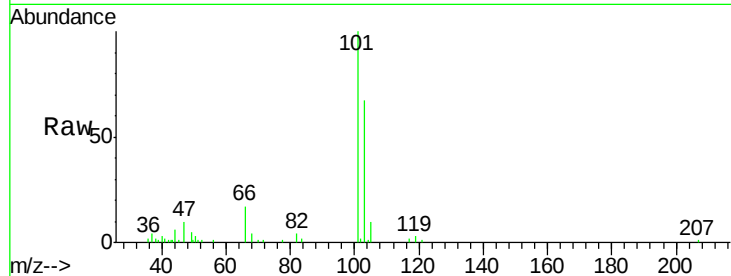
Trichlorofluoromethane
Concen: 18.260 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

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VW0903SBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		22156		
103	66.8	51.2	76.8		

Manual Integrations
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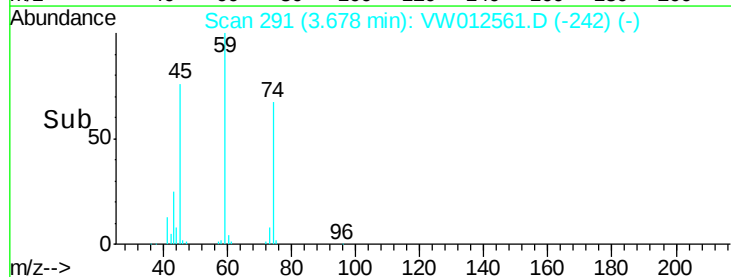
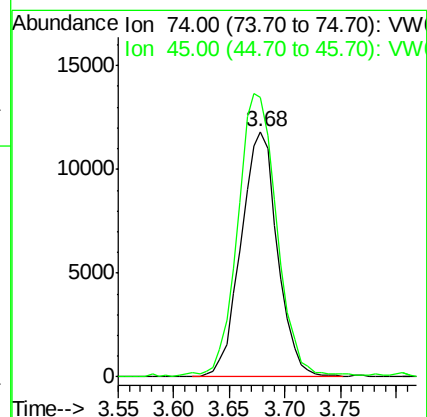
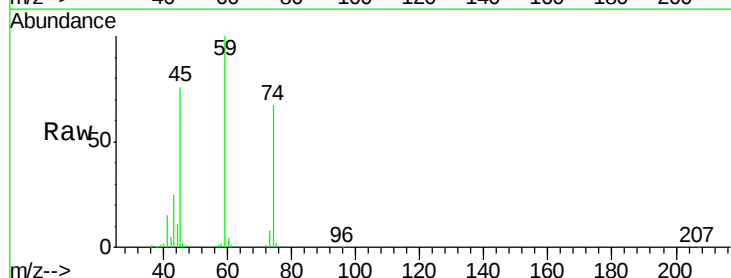
MMDadoda
9/4/2019 9:34:34 AM

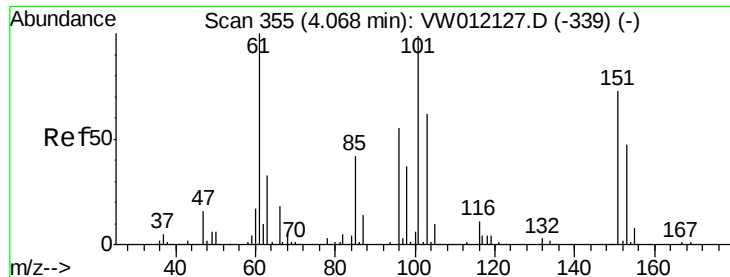


#8

Diethyl Ether
Concen: 23.285 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012561.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		26818		
45	124.8	59.2	177.6		





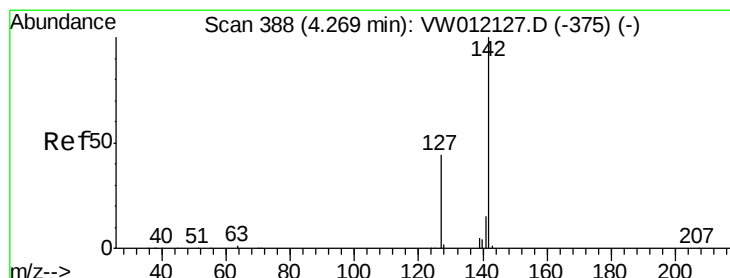
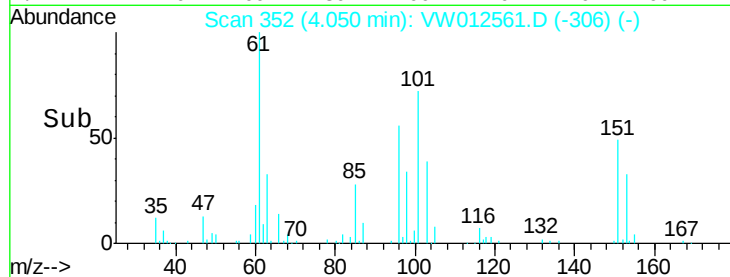
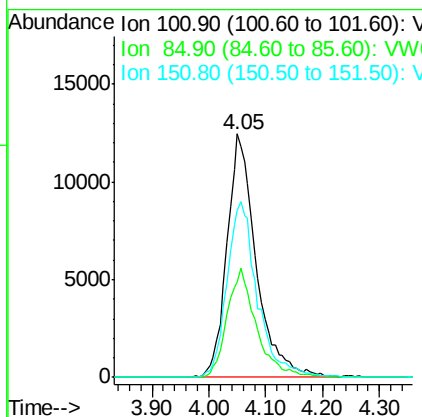
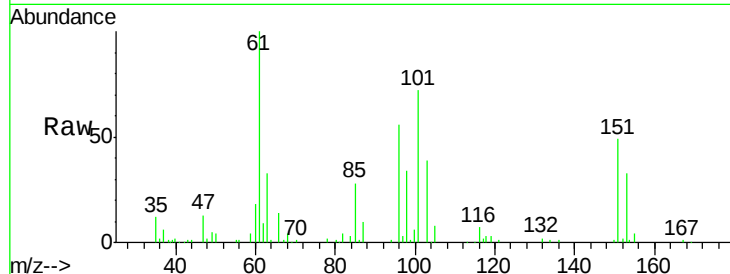
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.616 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.8	53.6
151	74.6	58.6	87.8

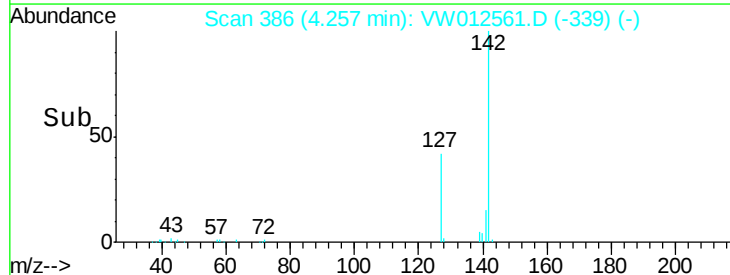
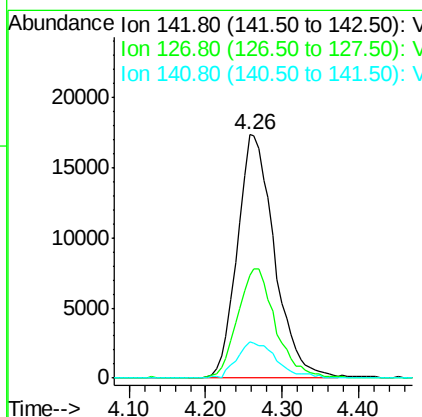
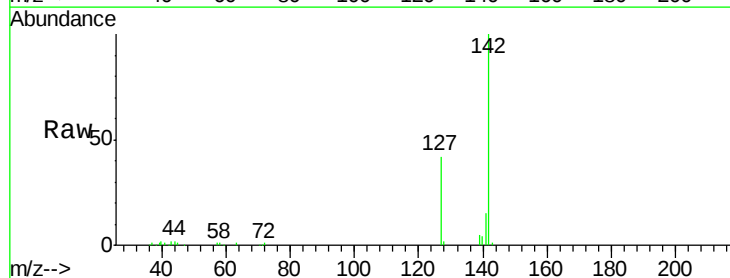
Manual Integrations
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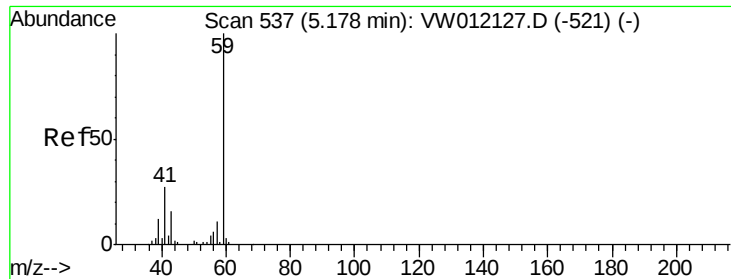
MMDadoda
 9/4/2019 9:34:34 AM



#10
 Methyl Iodide
 Concen: 21.002 ug/l
 RT: 4.26 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.5	53.3
141	15.8	11.8	17.8





#11

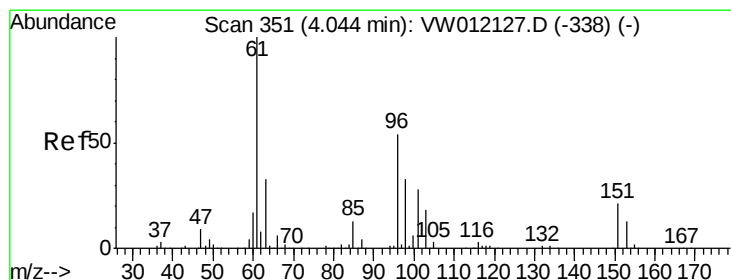
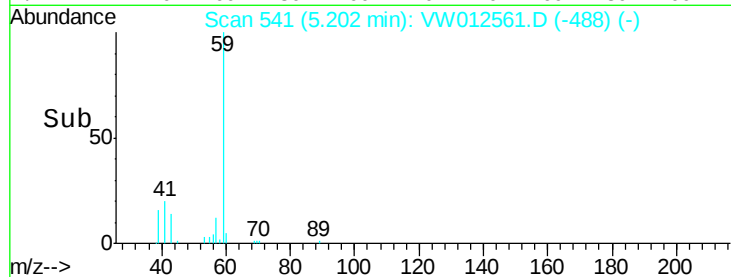
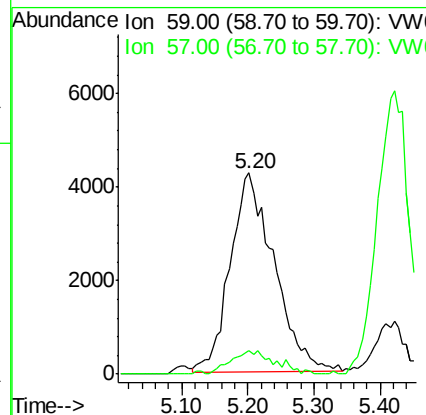
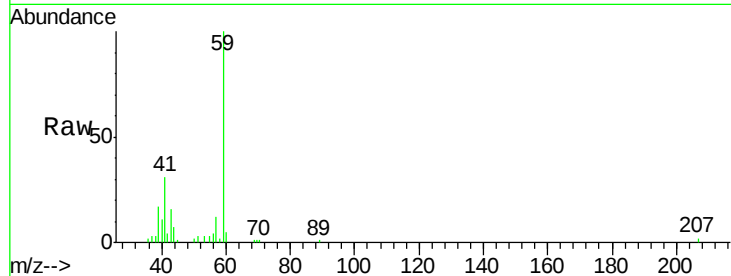
Tert butyl alcohol
Concen: 132.295 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.0	13.4

Manual Integrations
APPROVED

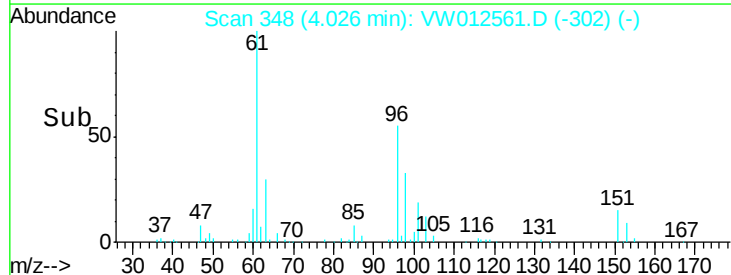
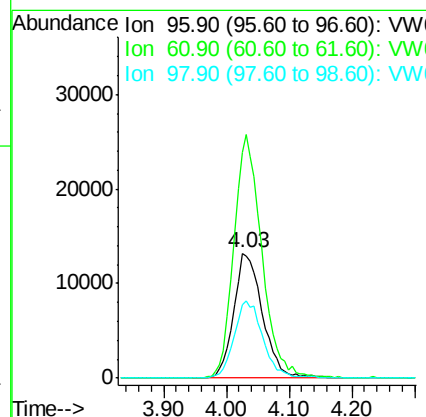
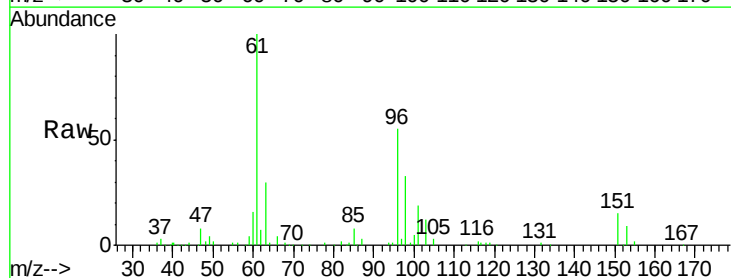
MMDadoda
9/4/2019 9:34:34 AM

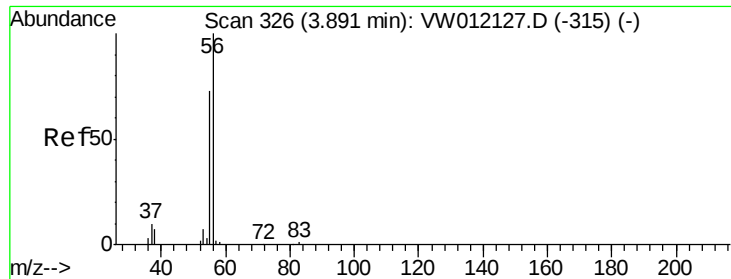


#12

1,1-Dichloroethene
Concen: 20.267 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.02 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.4	149.1	223.7
98	58.7	49.4	74.2





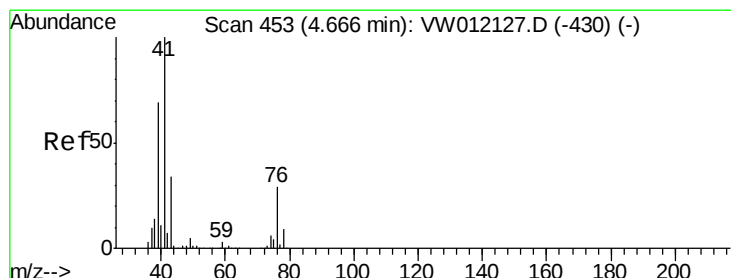
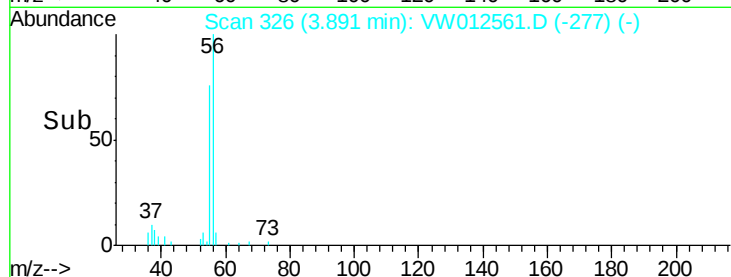
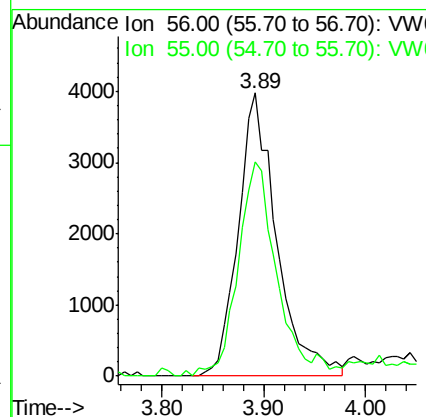
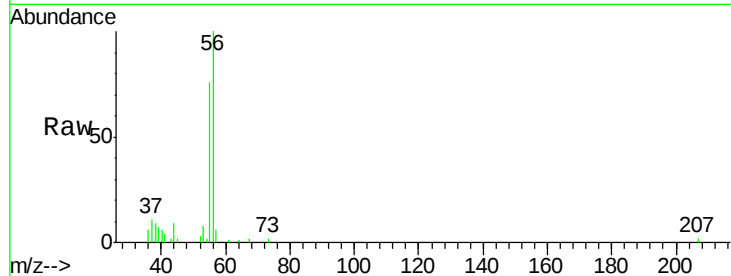
#13
 Acrolein
 Concen: 74.766 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	56	Resp	10420
Ion Ratio	100	Lower	Upper
55	73.6	55.8	83.8

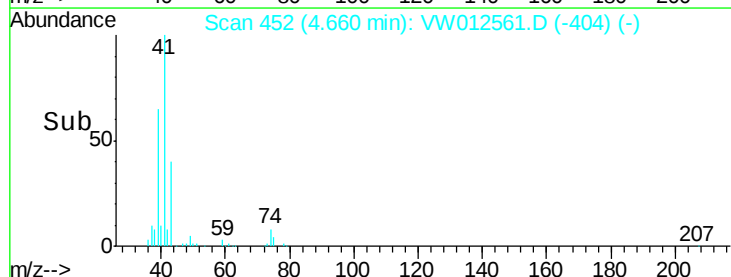
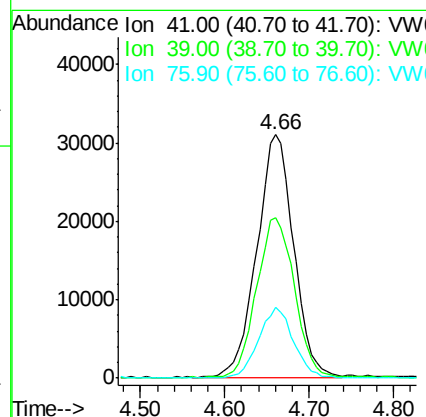
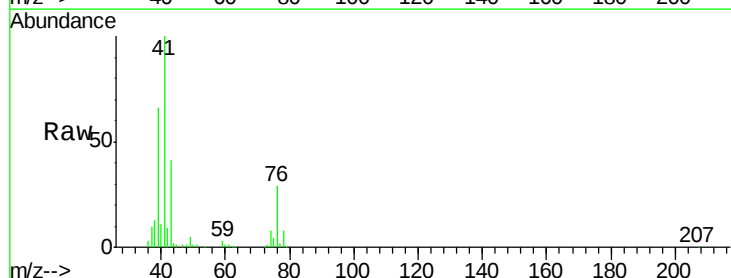
Manual Integrations
 APPROVED

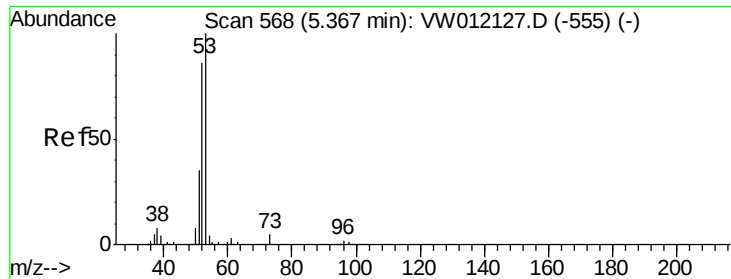
MMDadoda
 9/4/2019 9:34:34 AM



#14
 Allyl chloride
 Concen: 21.125 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	41	Resp	93754
Ion Ratio	100	Lower	Upper
39	67.0	53.4	80.2
76	27.3	22.1	33.1





#15

Acrylonitrile

Concen: 124.263 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

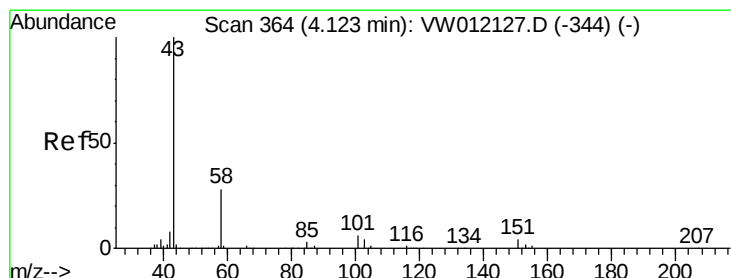
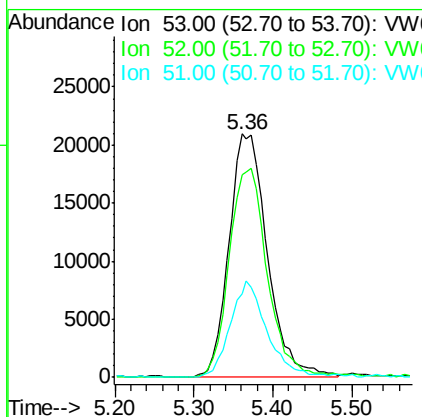
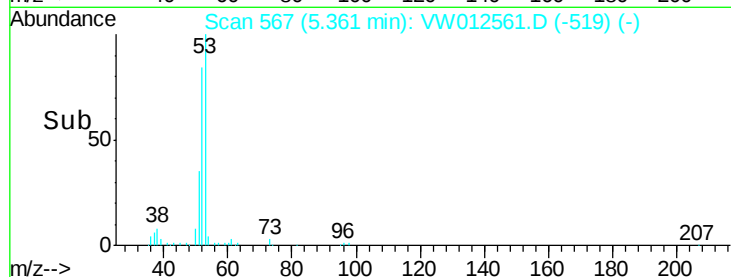
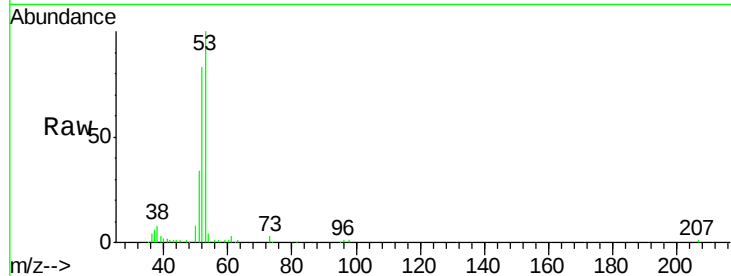
ClientSampleId :

VW0903SBS03

Tot Ion:	53	Resp:	70937
Ion	Ratio	Lower	Upper
53	100		
52	86.2	66.7	100.1
51	37.7	30.1	45.1

Manual Integrations
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9/4/2019 9:34:34 AM



#16

Acetone

Concen: 101.196 ug/l

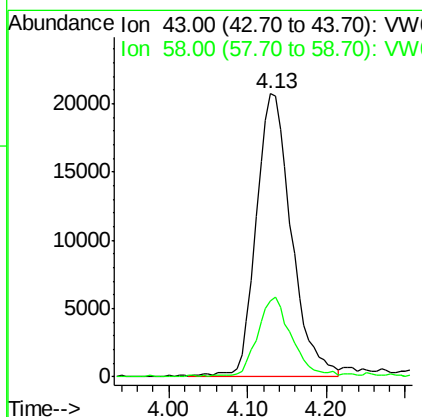
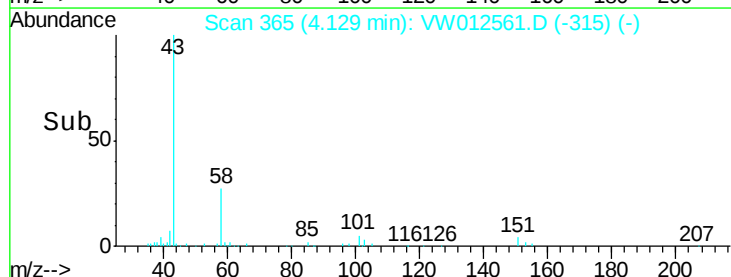
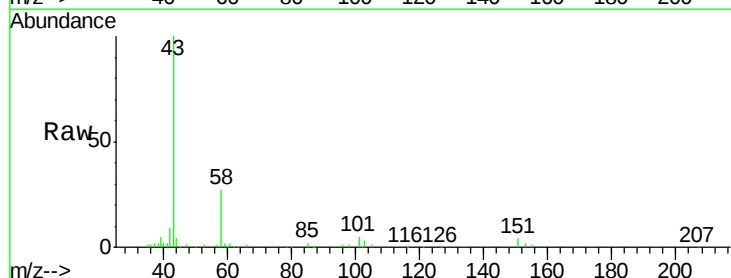
RT: 4.13 min Scan# 365

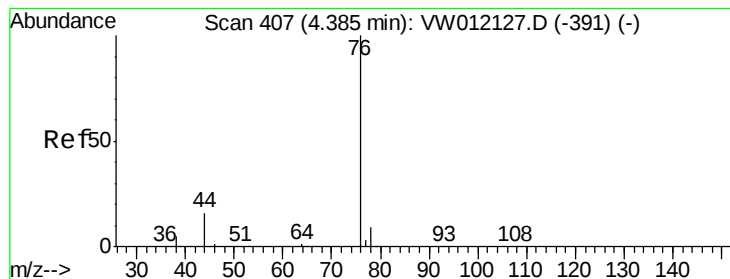
Delta R.T. 0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	43	Resp:	63641
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.4	33.6





#17

Carbon Disulfide

Concen: 15.562 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 76 Resp: 97630

Ion Ratio Lower Upper

76 100

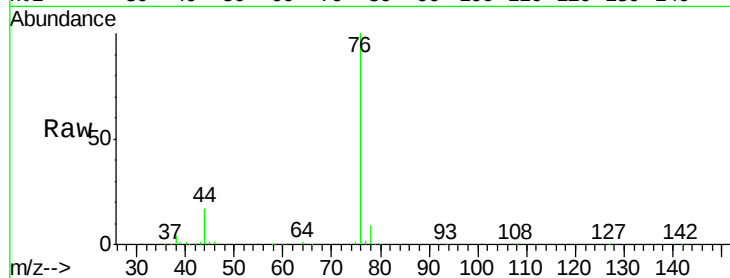
78 8.7 7.3 10.9

Manual Integrations

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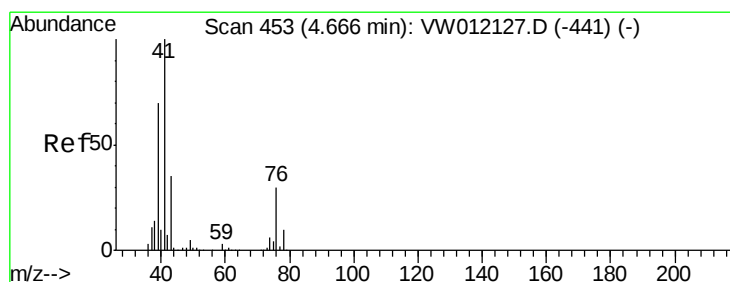
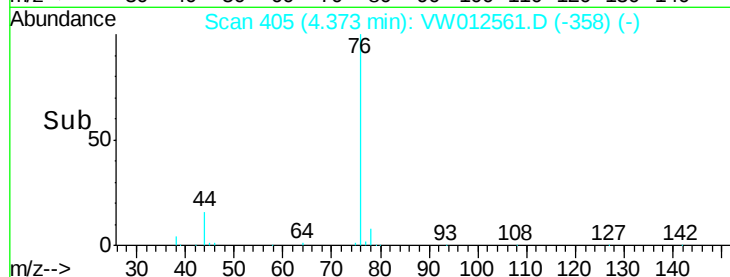
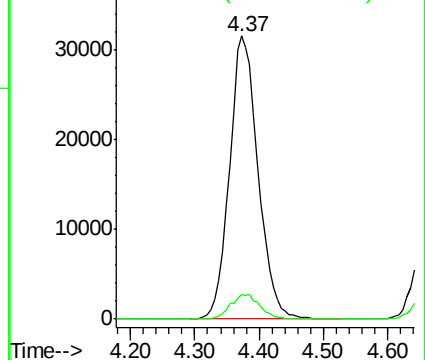
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 28.571 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012561.D

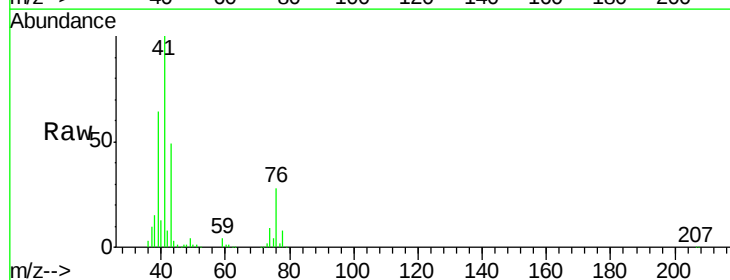
Acq: 03 Sep 2019 22:48

Tgt Ion: 43 Resp: 44504

Ion Ratio Lower Upper

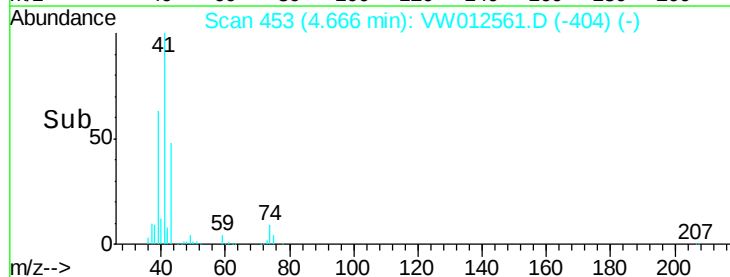
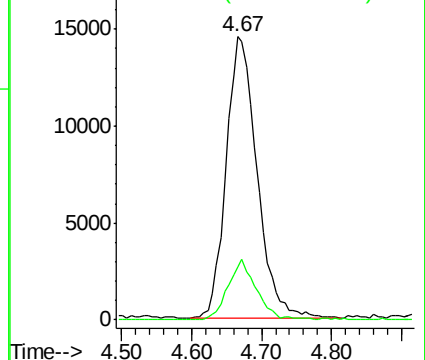
43 100

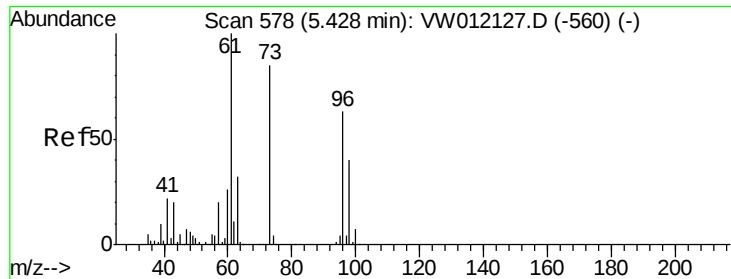
74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





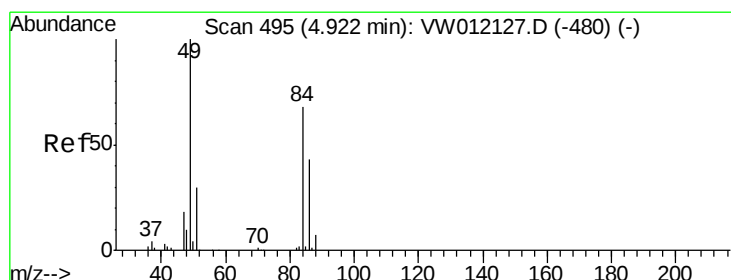
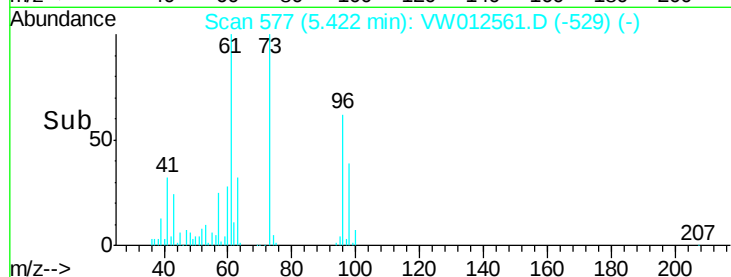
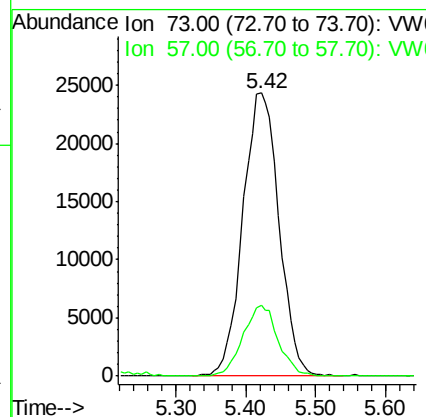
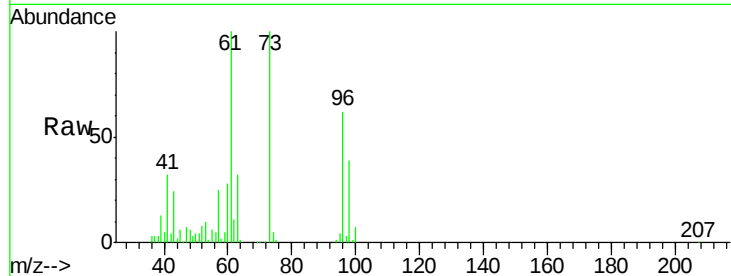
#19
Methyl tert-butyl Ether
Concen: 25.966 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion: 73 Resp: 87170
Ion Ratio Lower Upper
73 100
57 24.9 18.9 28.3

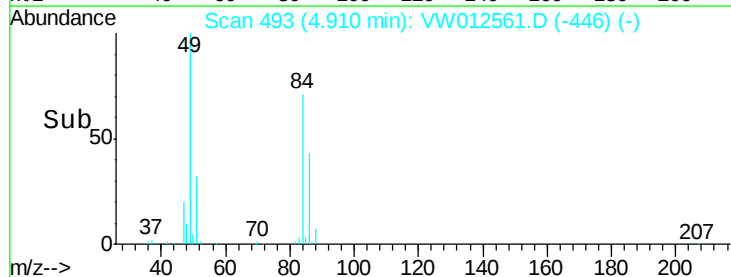
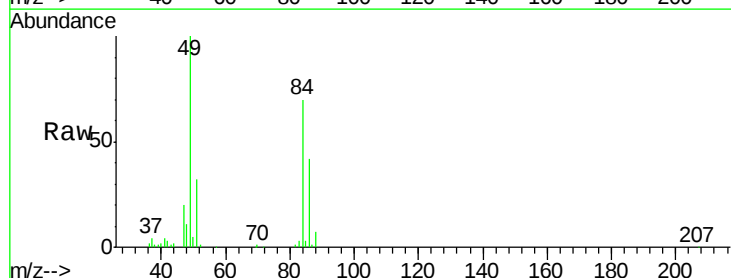
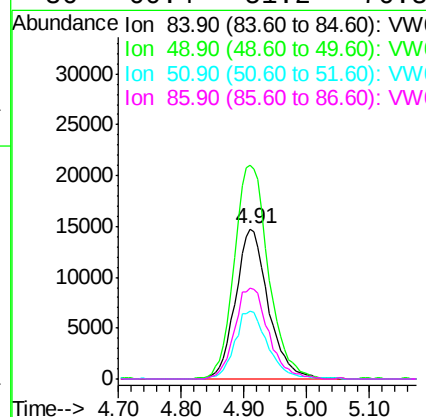
Manual Integrations
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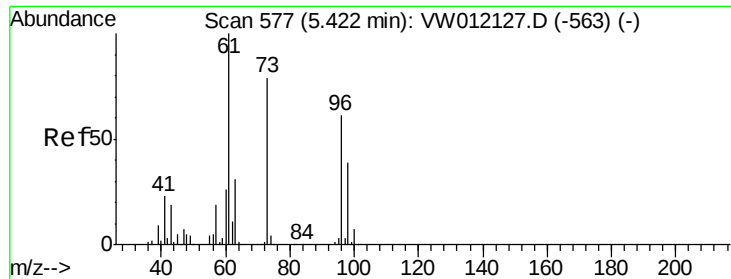
MMDadoda
9/4/2019 9:34:34 AM



#20
Methylene Chloride
Concen: 22.429 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion: 84 Resp: 53323
Ion Ratio Lower Upper
84 100
49 142.2 117.8 176.8
51 45.0 35.6 53.4
86 60.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 21.238 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

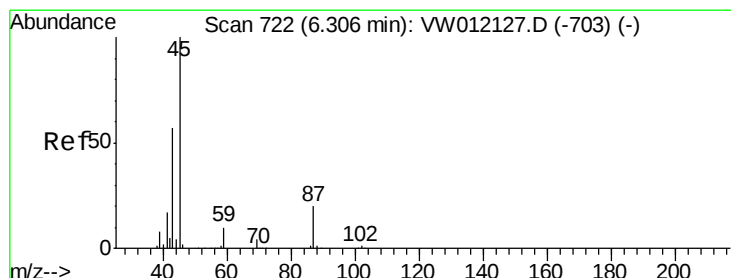
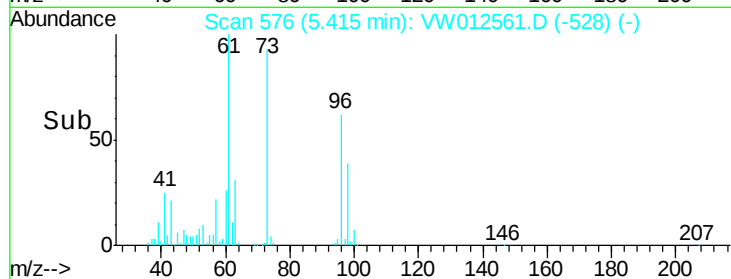
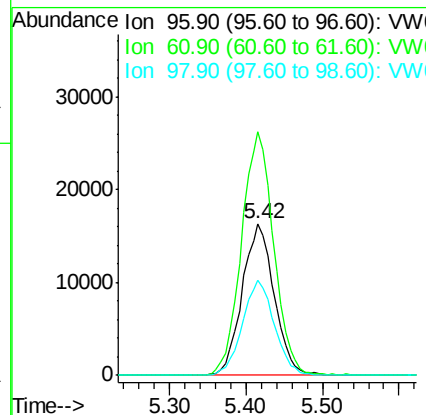
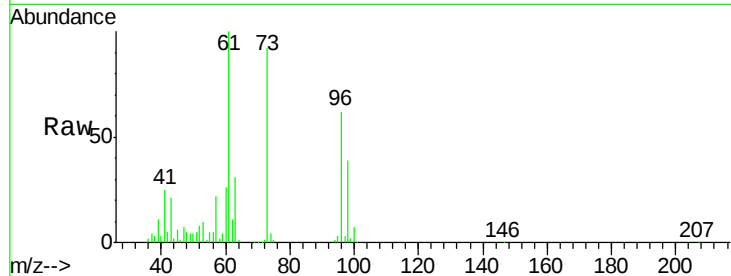
ClientSampleId :

VW0903SBS03

Tot Ion:	96	Resp:	47278
Ion	Ratio	Lower	Upper
96	100		
61	160.5	131.4	197.0
98	62.4	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 24.437 ug/l

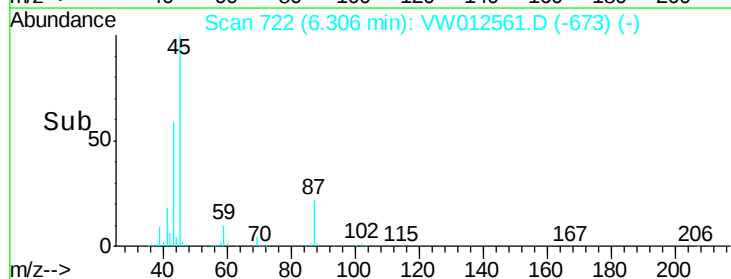
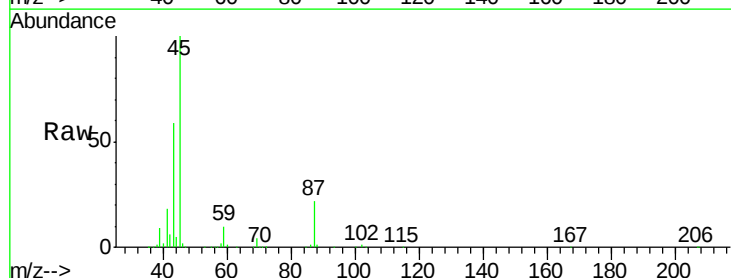
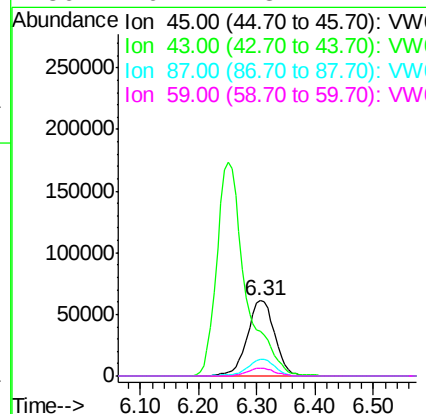
RT: 6.31 min Scan# 722

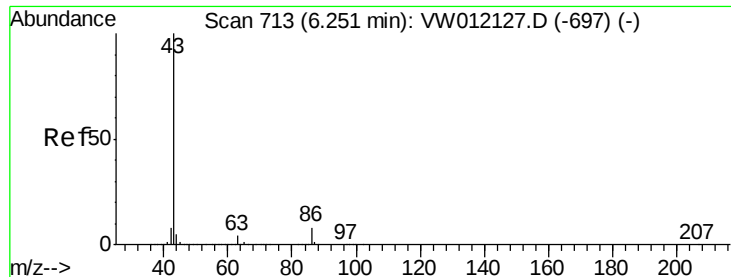
Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	45	Resp:	201019
Ion	Ratio	Lower	Upper
45	100		
43	58.9	45.5	68.3
87	21.9	16.1	24.1
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 116.969 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 43 Resp: 592160

Ion Ratio Lower Upper

43 100

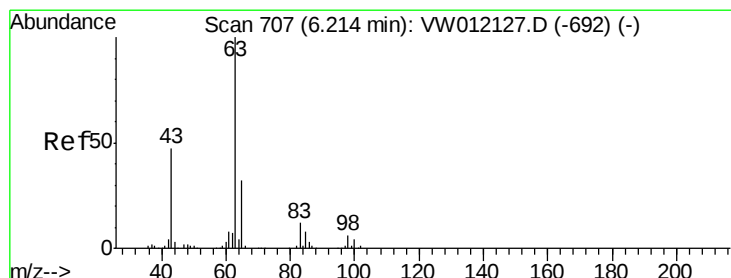
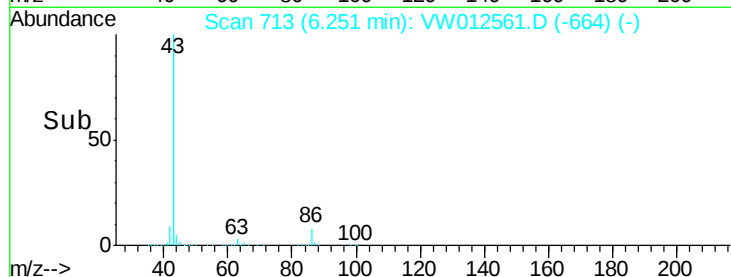
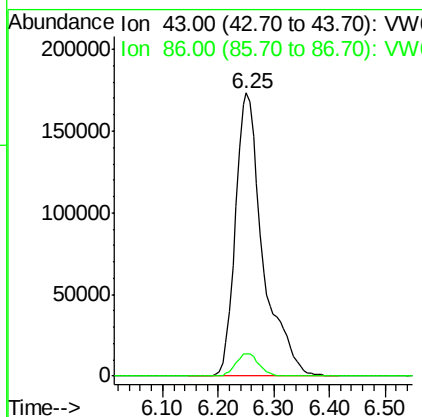
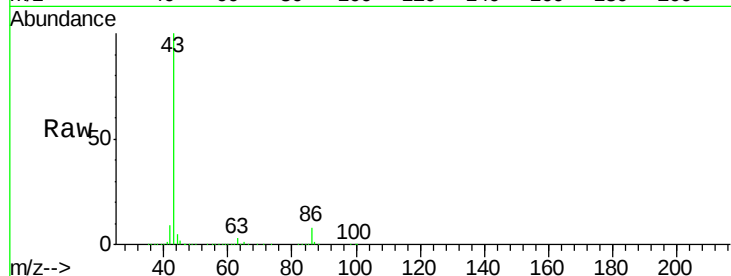
86 8.1 6.5 9.7

Manual Integrations

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MMDadoda

9/4/2019 9:34:34 AM



#24

1,1-Dichloroethane

Concen: 23.297 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

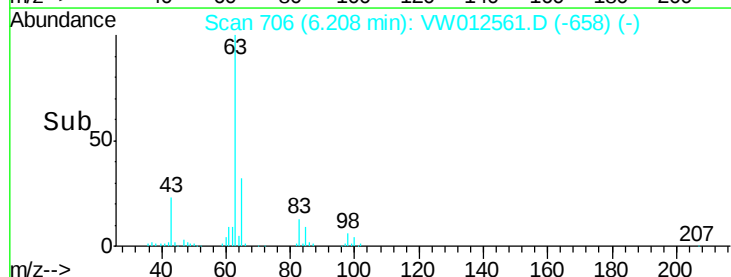
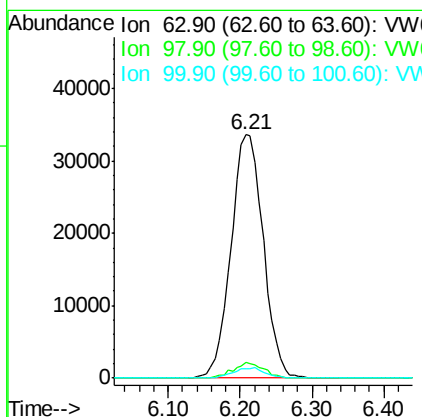
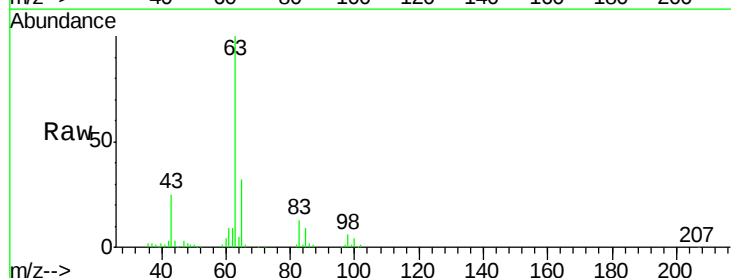
Tgt Ion: 63 Resp: 104348

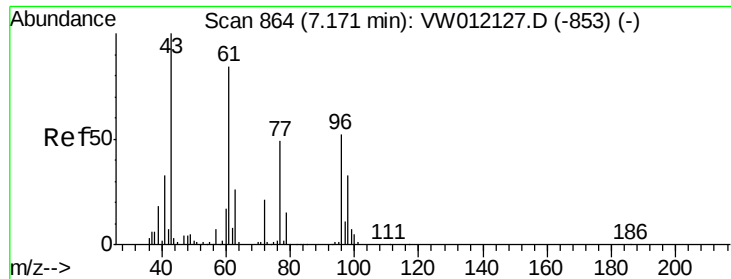
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 115.796 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 43 Resp: 98958

Ion Ratio Lower Upper

43 100

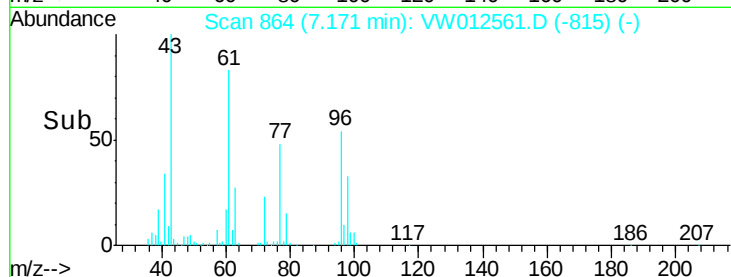
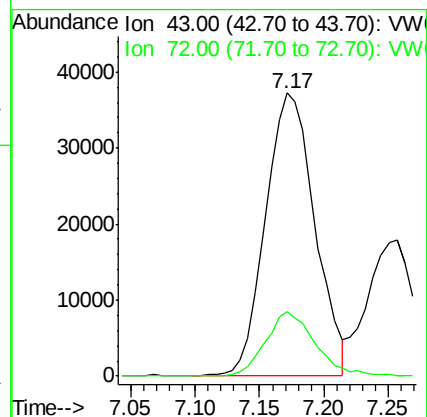
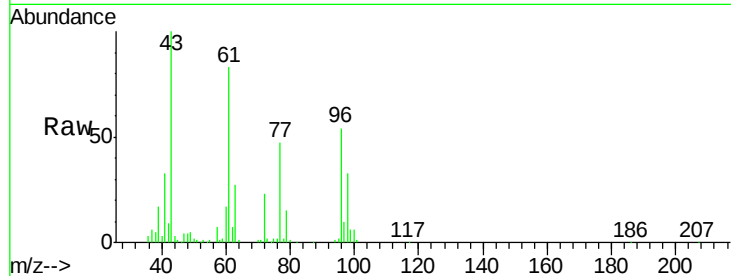
72 22.4 16.6 24.8

Manual Integrations

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MMDadoda

9/4/2019 9:34:34 AM



#26

2,2-Dichloropropane

Concen: 21.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012561.D

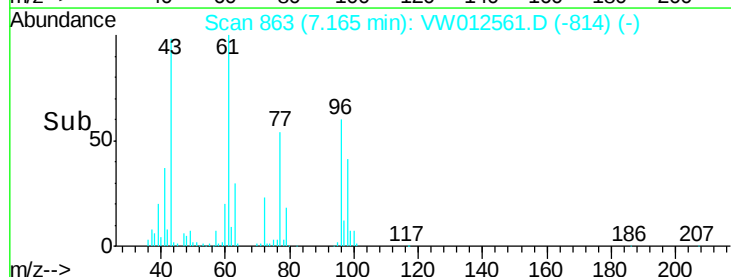
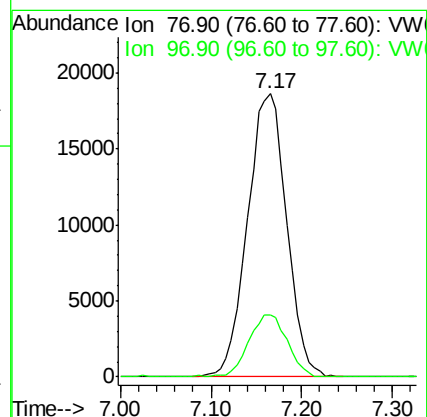
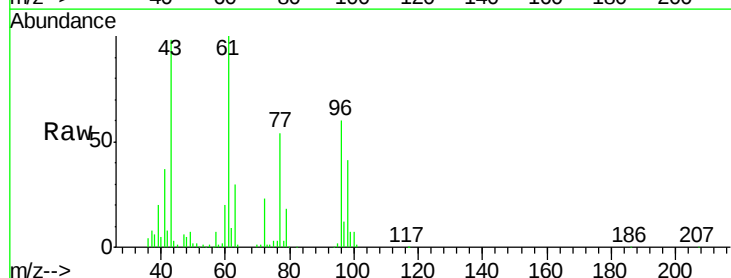
Acq: 03 Sep 2019 22:48

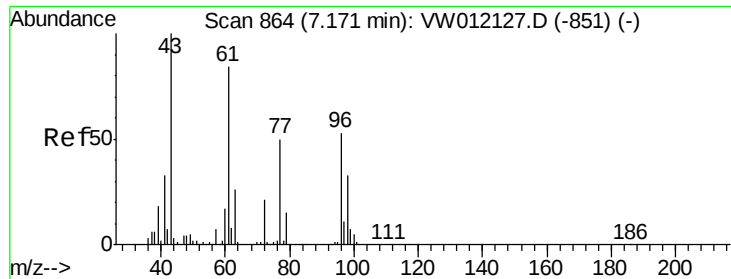
Tgt Ion: 77 Resp: 55555

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1





#27

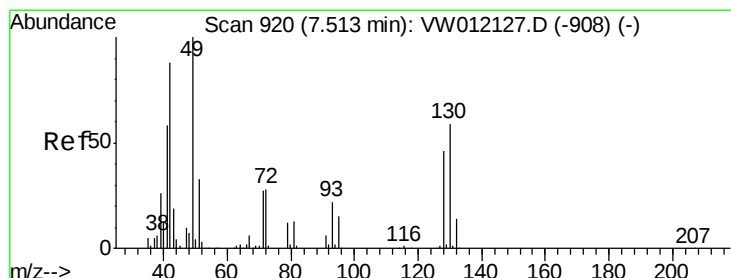
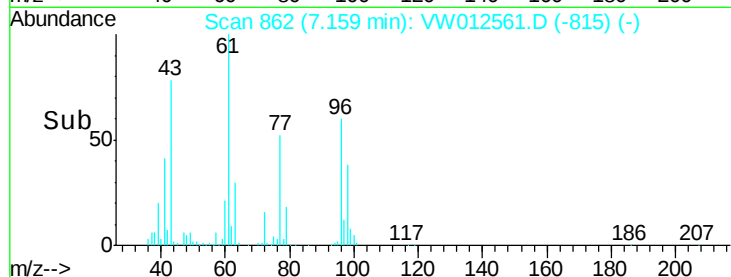
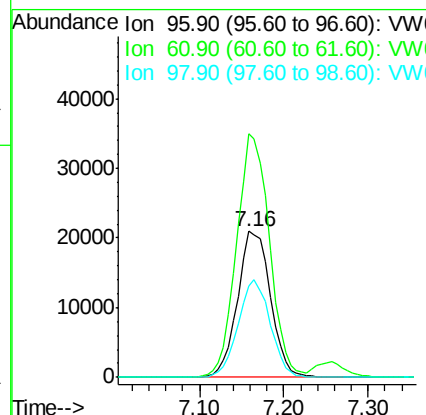
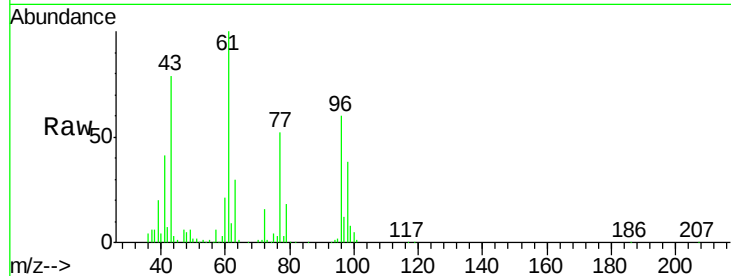
cis-1,2-Dichloroethene
Concen: 23.312 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	326.6
98	65.1	0.0	127.4

Manual Integrations
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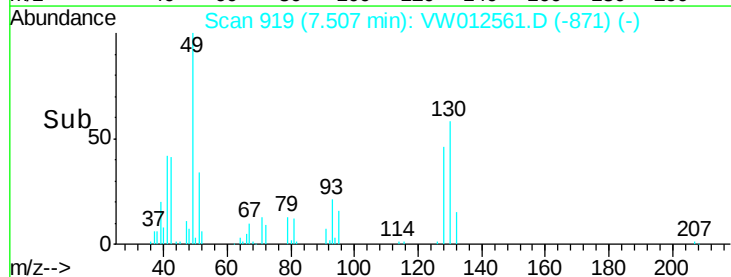
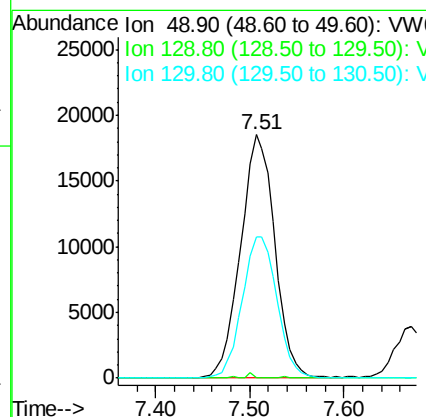
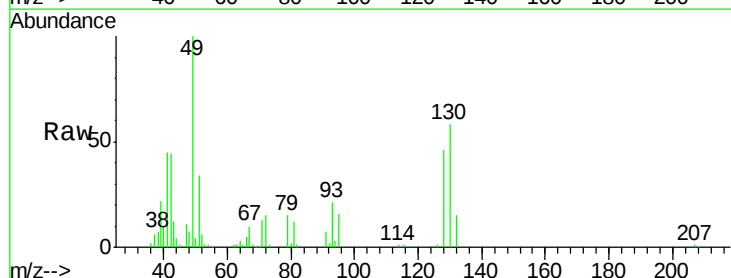
MMDadoda
9/4/2019 9:34:34 AM

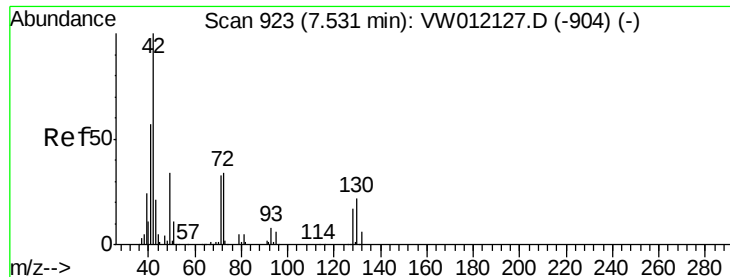


#28

Bromochloromethane
Concen: 24.138 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.4
130	58.8	45.5	68.3





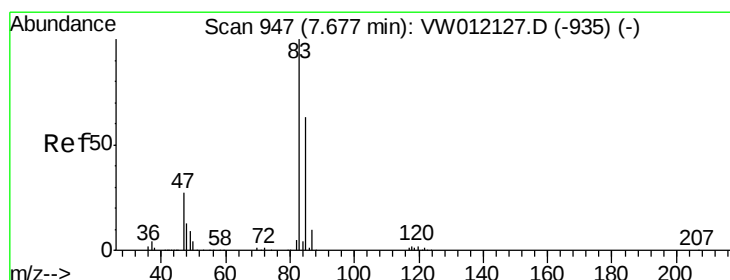
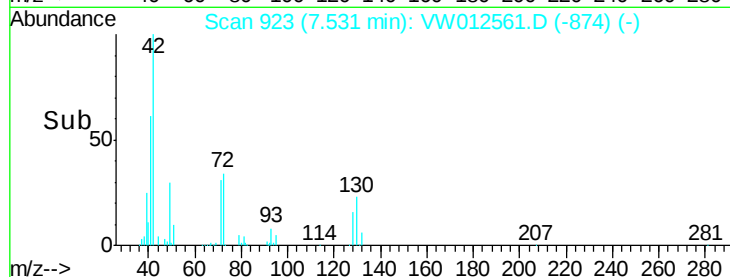
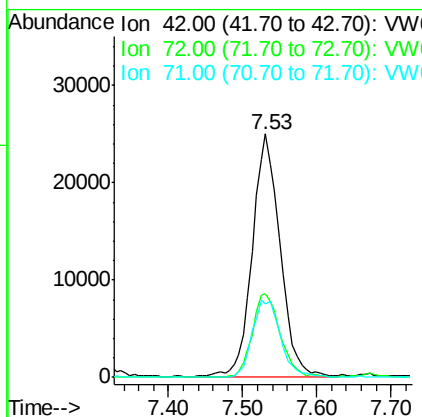
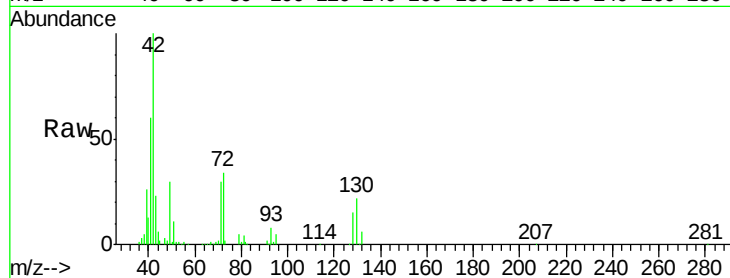
#29
Tetrahydrofuran
Concen: 126.688 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.3	40.9
71	32.7	25.5	38.3

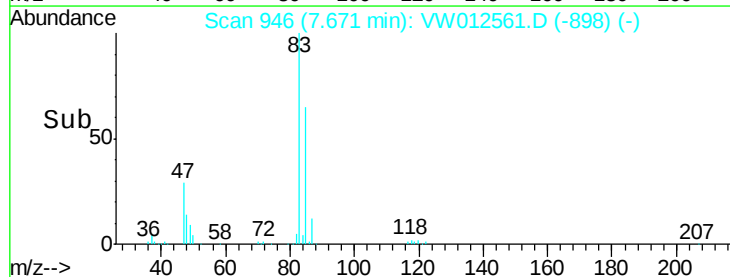
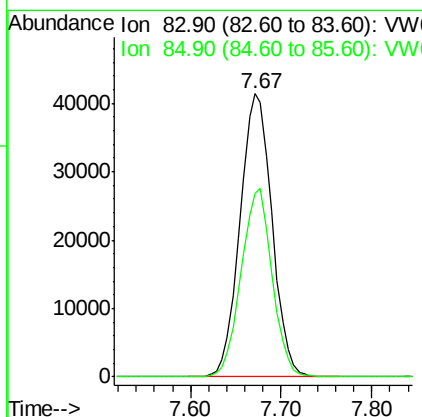
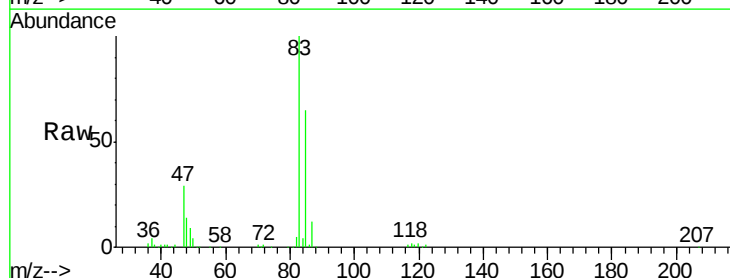
Manual Integrations
APPROVED

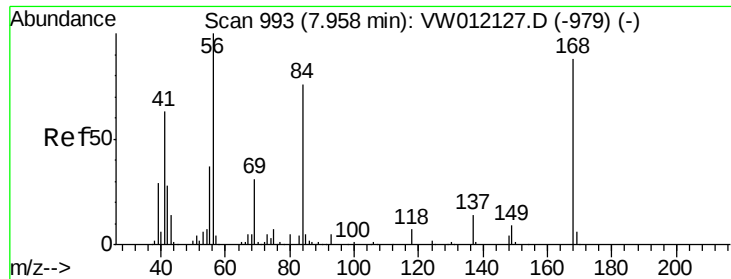
MMDadoda
9/4/2019 9:34:34 AM



#30
Chloroform
Concen: 24.643 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	76.0





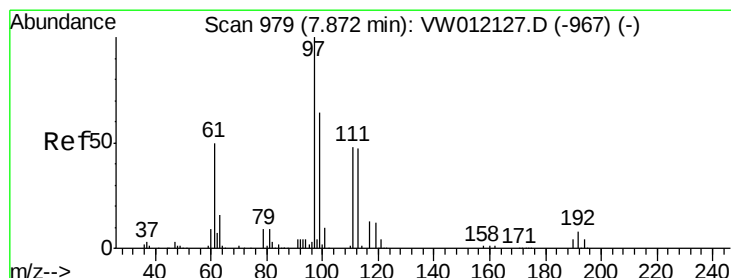
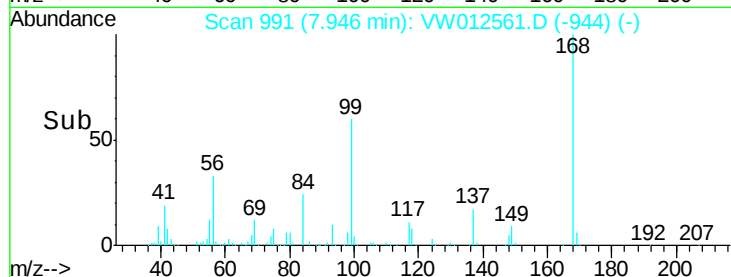
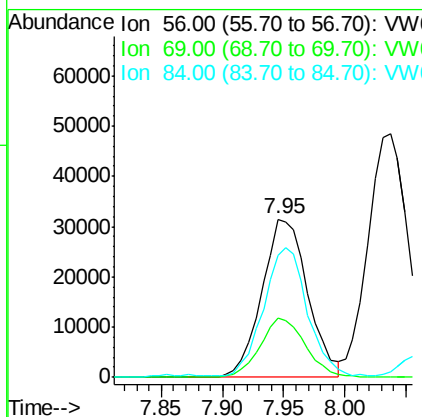
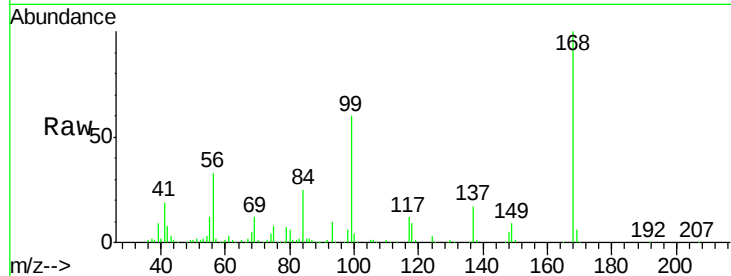
#31
Cyclohexane
Concen: 18.551 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	24.9	37.3#
84	75.5	60.6	90.8

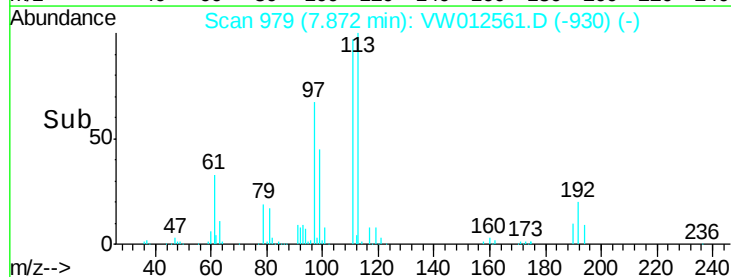
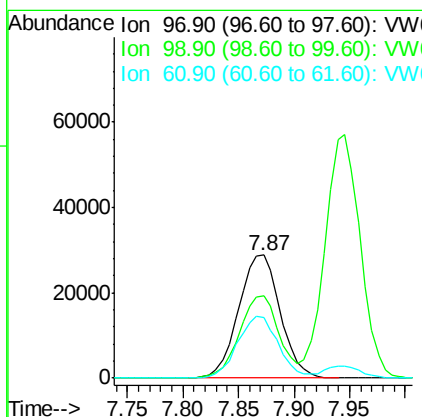
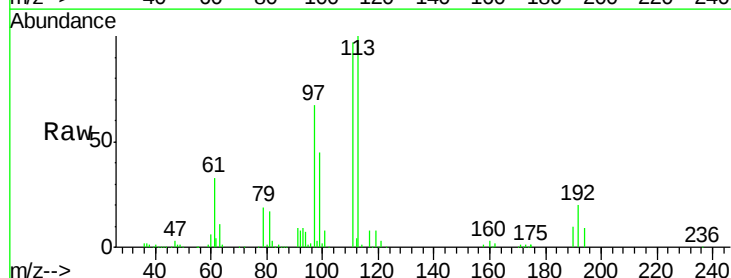
Manual Integrations
APPROVED

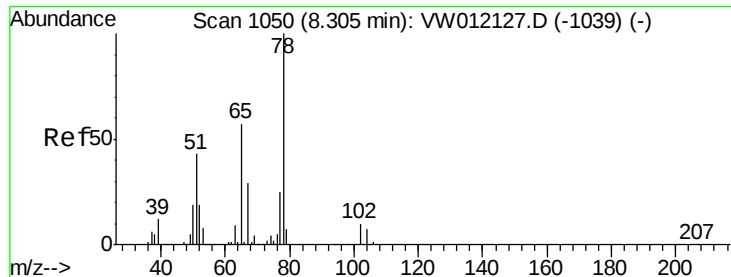
MMDadoda
9/4/2019 9:34:34 AM



#32
1,1,1-Trichloroethane
Concen: 23.094 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	49.6	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 60.669 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 65 Resp: 149260

Ion Ratio Lower Upper

65 100

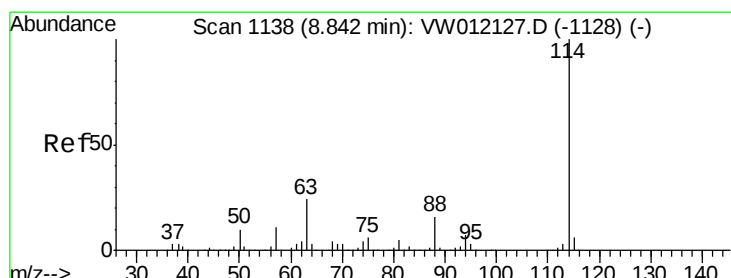
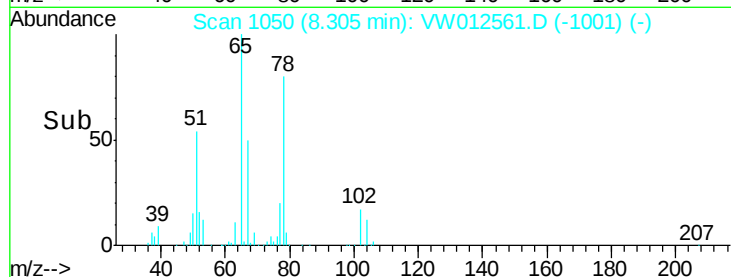
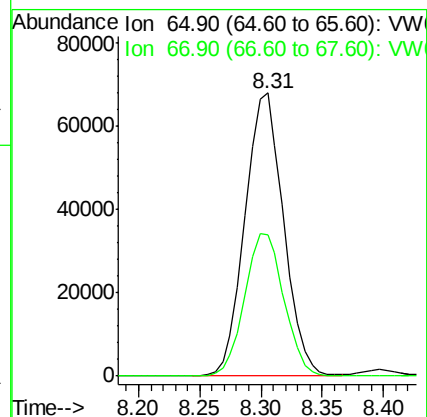
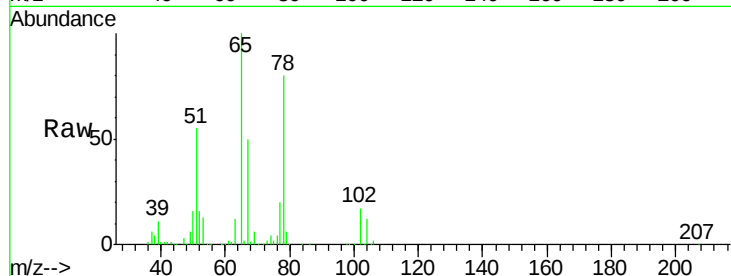
67 51.5 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

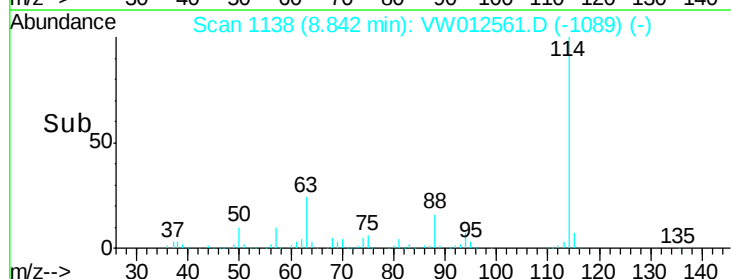
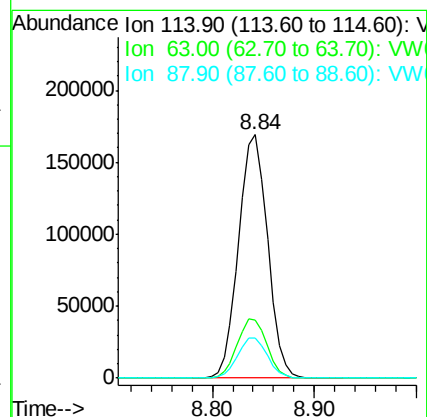
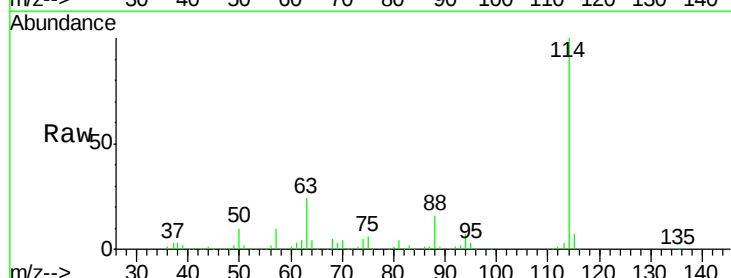
Tgt Ion: 114 Resp: 334080

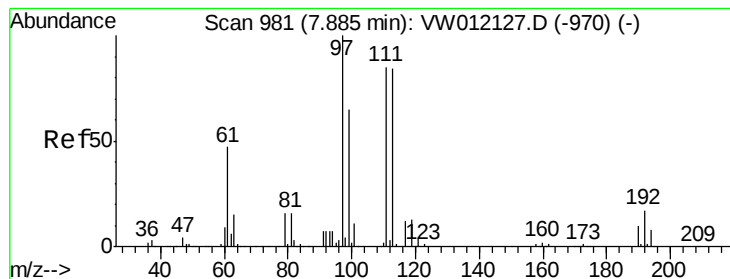
Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 58.009 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

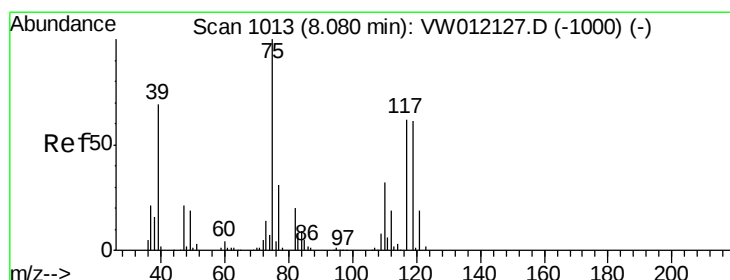
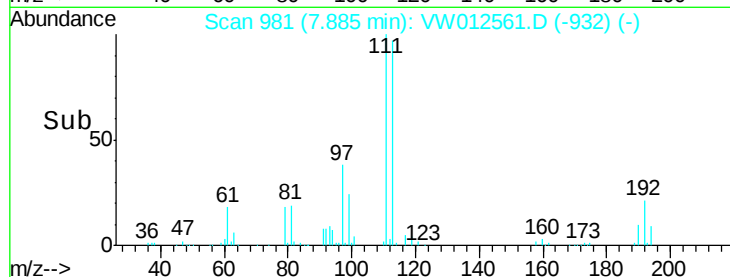
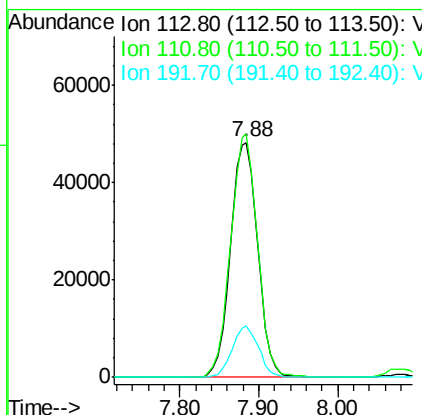
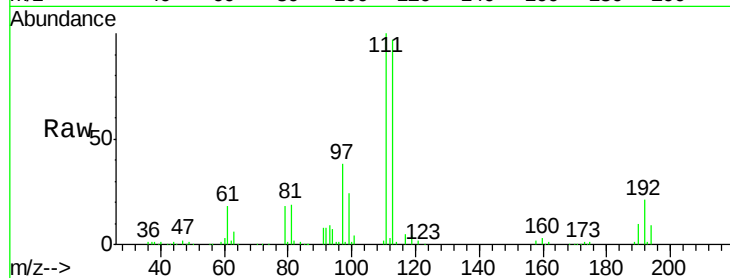
ClientSampleId :

VW0903SBS03

Tot Ion:	113	Resp:	115677
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.7	124.1
192	21.2	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.127 ug/l

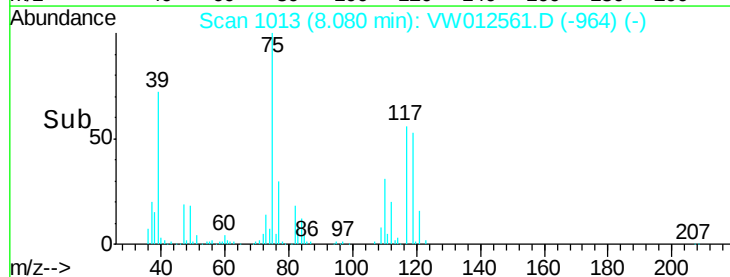
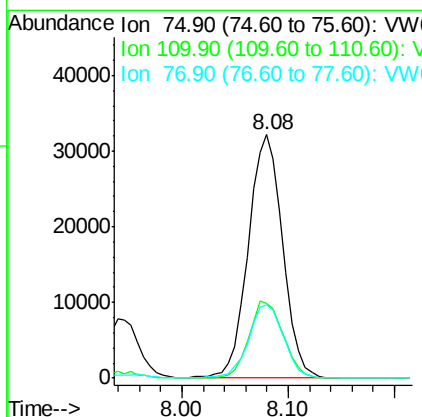
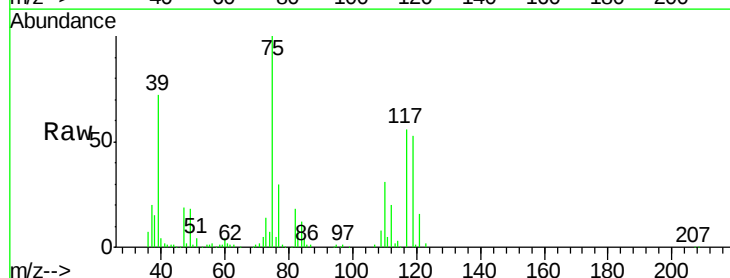
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	75	Resp:	72938
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.6	46.8
77	30.9	24.6	36.8





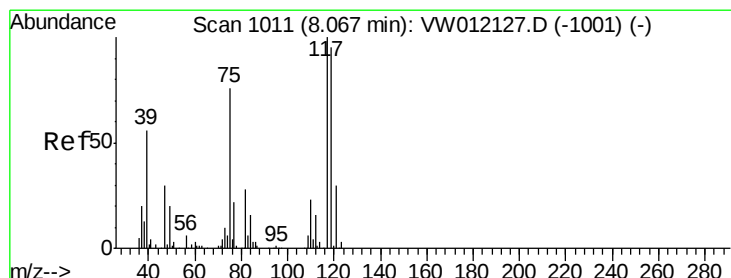
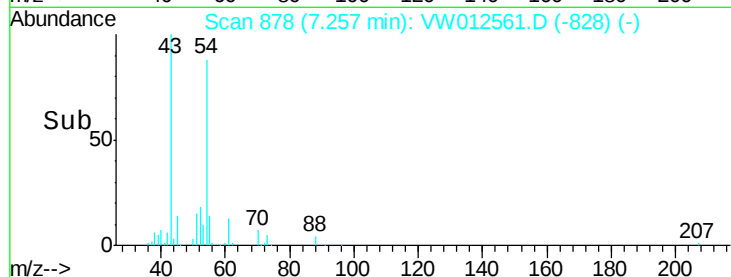
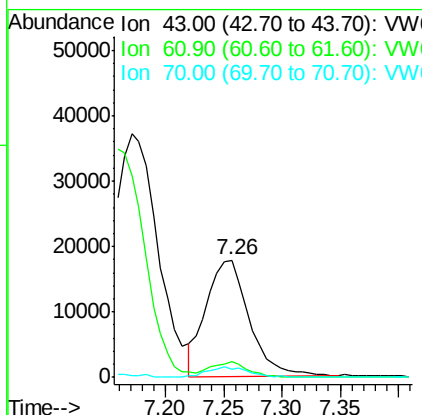
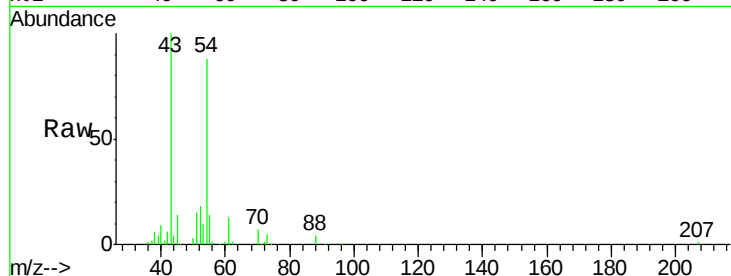
#37
Ethyl Acetate
Concen: 23.954 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleID :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.2	13.8
70	8.9	6.9	10.3

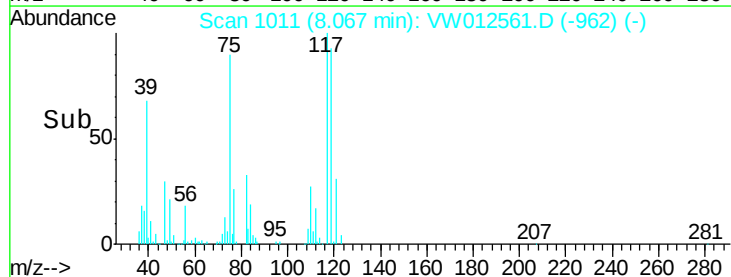
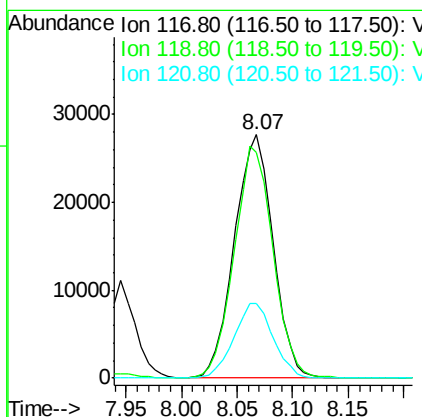
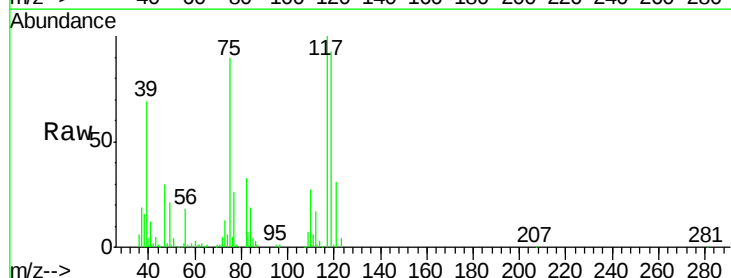
Manual Integrations
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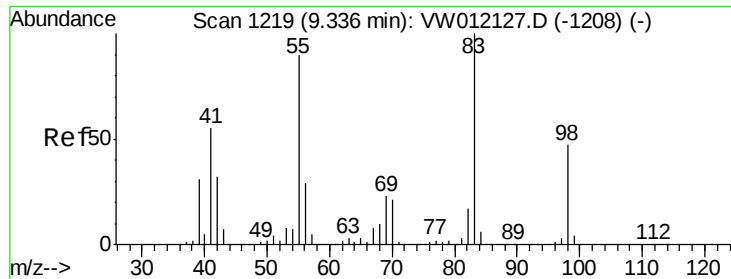
MMDadoda
9/4/2019 9:34:34 AM



#38
Carbon Tetrachloride
Concen: 22.441 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.2	114.2
121	30.6	23.8	35.8





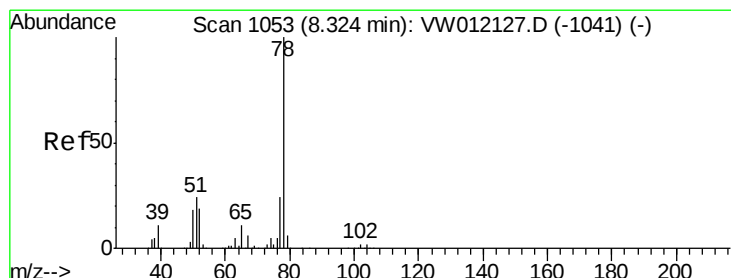
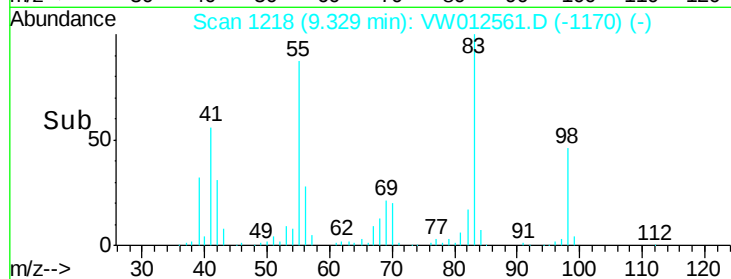
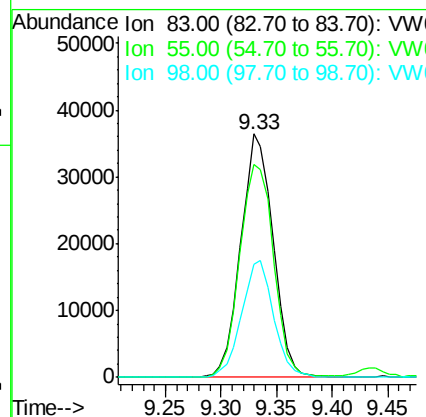
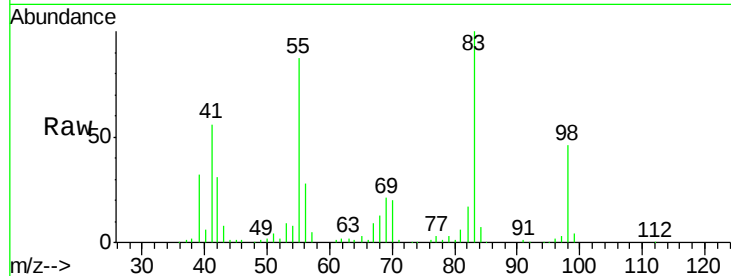
#39
Methvlcvclohexane
Concen: 18.976 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	71.8	107.8
98	46.3	37.8	56.8

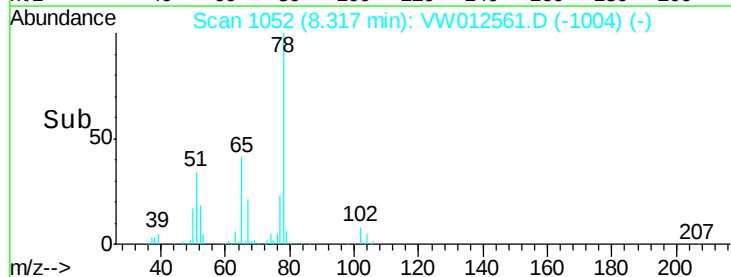
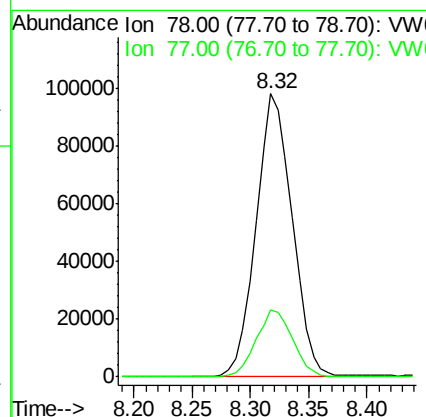
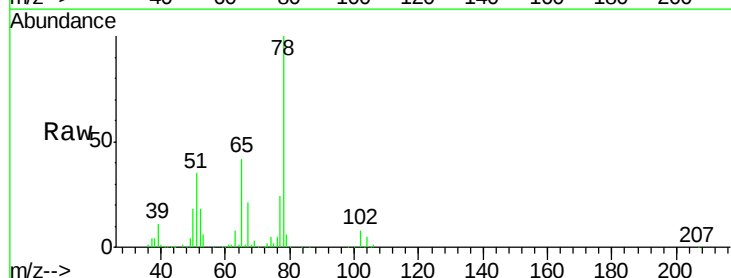
Manual Integrations
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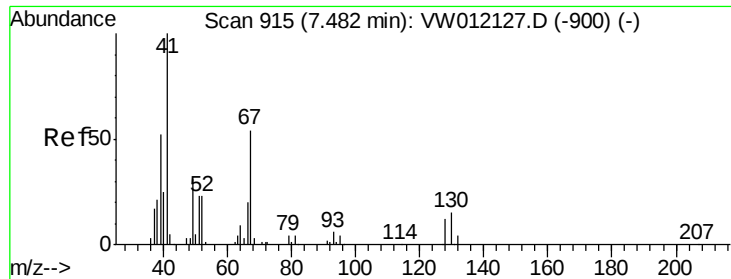
MMDadoda
9/4/2019 9:34:34 AM



#40
Benzene
Concen: 22.463 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.5	29.3





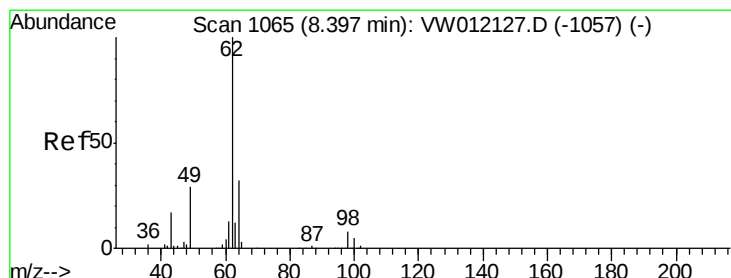
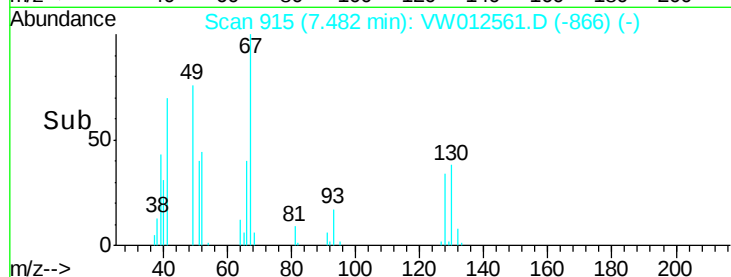
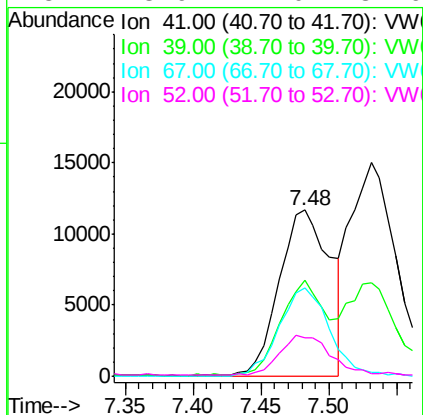
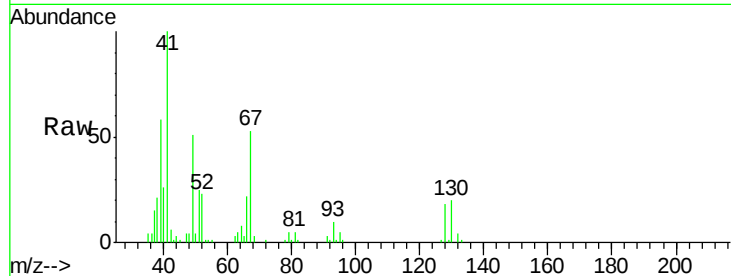
#41
Methacrylonitrile
Concen: 27.578 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	41	Resp	30664
Ion	Ratio	Lower	Upper
41	100		
39	49.0	45.8	68.8
67	52.6	46.2	69.4
52	23.9	21.0	31.6

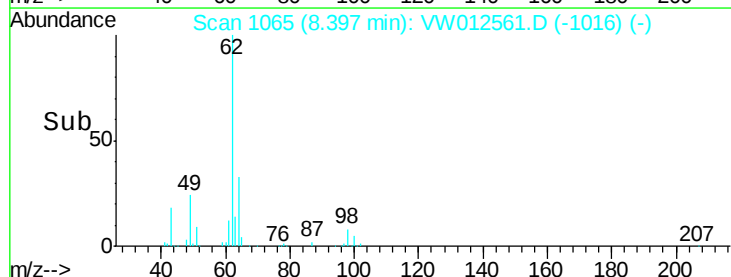
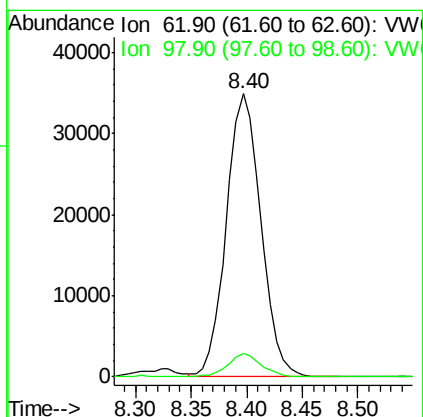
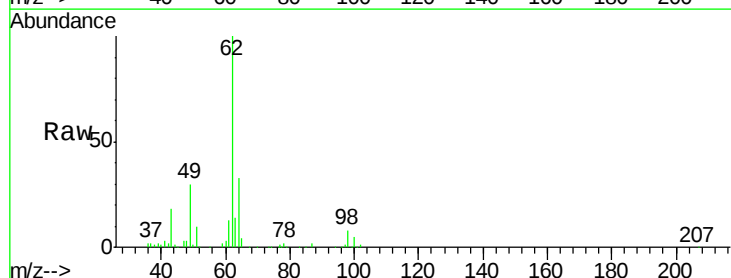
Manual Integrations
APPROVED

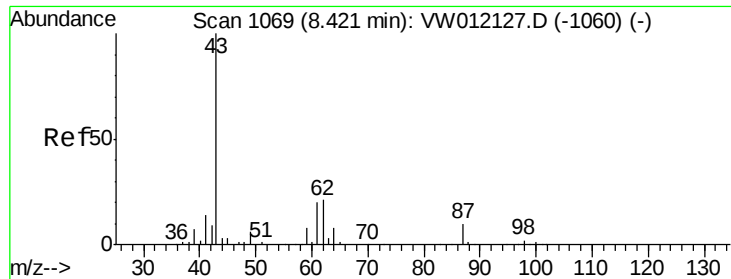
MMDadoda
9/4/2019 9:34:34 AM



#42
1,2-Dichloroethane
Concen: 25.399 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	62	Resp	75041
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 24.944 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

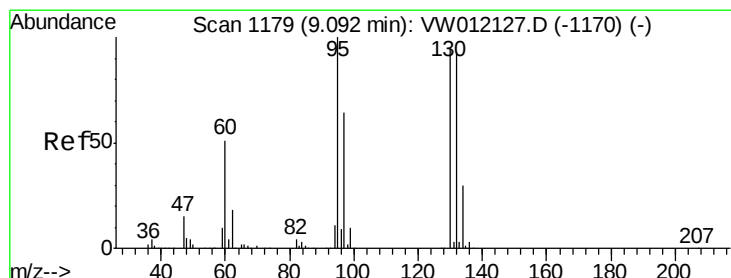
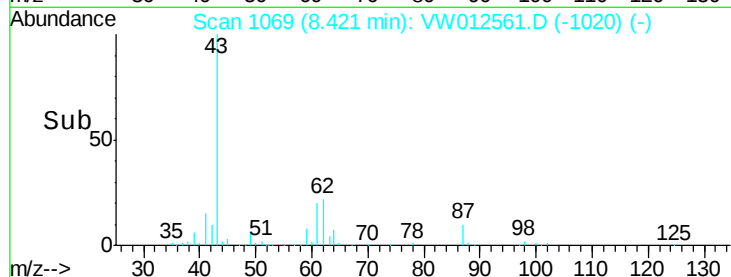
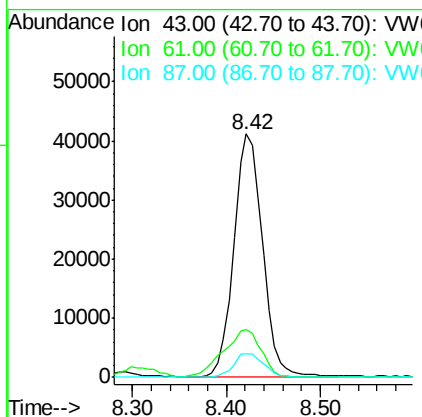
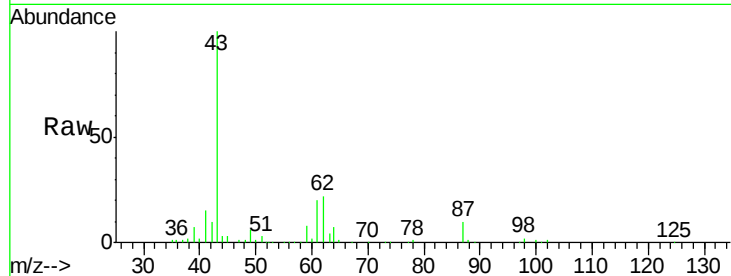
ClientSampleId :

VW0903SBS03

Tot Ion:	43	Resp:	87409
Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.1	31.7
87	10.2	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 22.323 ug/l

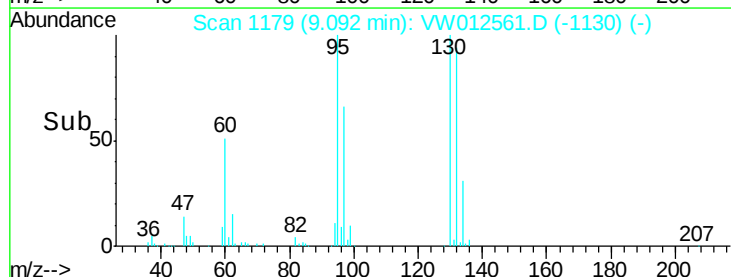
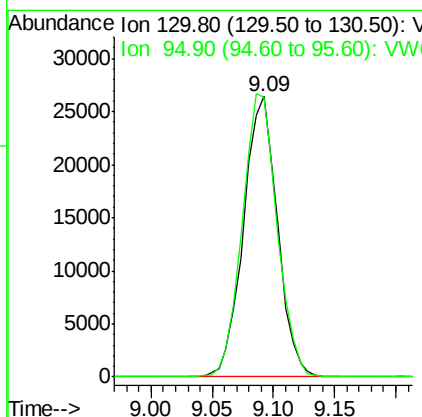
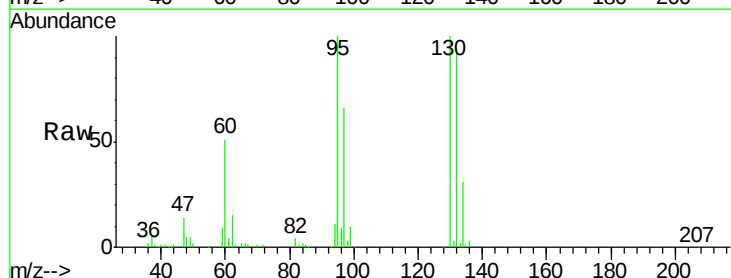
RT: 9.09 min Scan# 1179

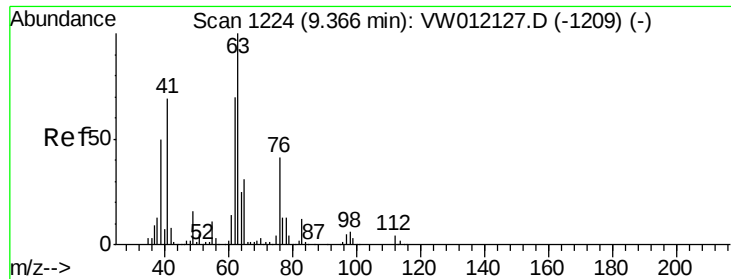
Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	130	Resp:	51156
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	210.6





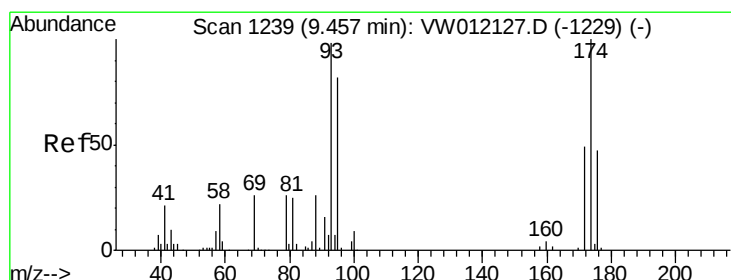
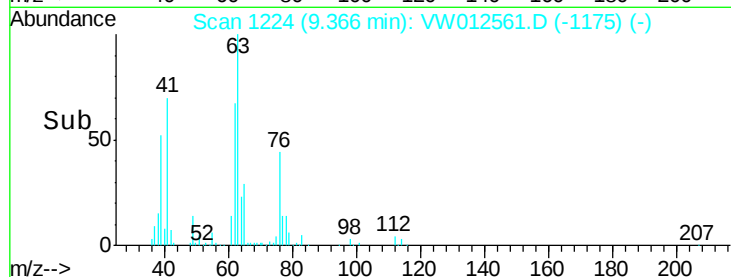
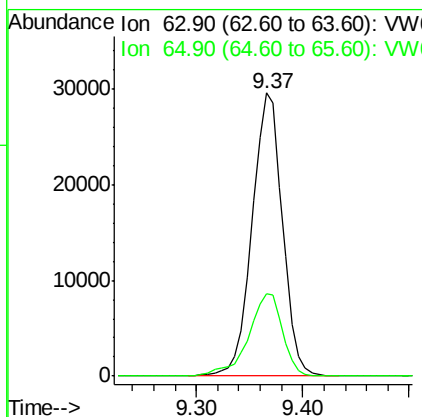
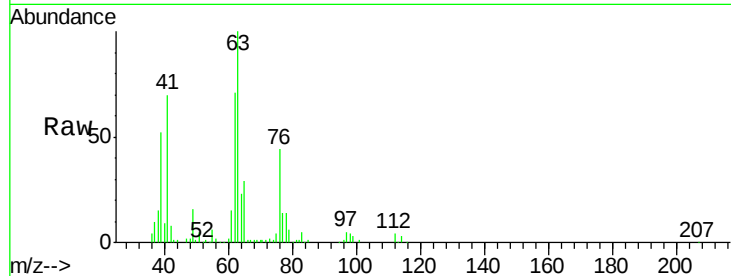
#45
 1,2-Dichloropropane
 Concen: 23.346 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion: 63 Resp: 59230
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.4

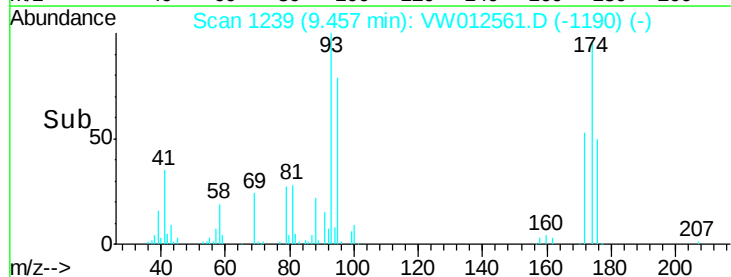
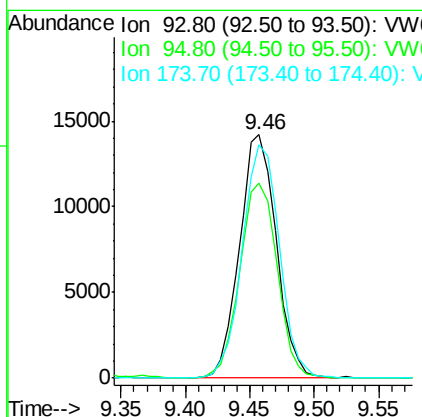
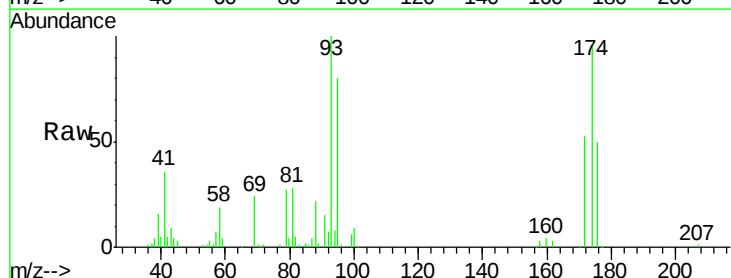
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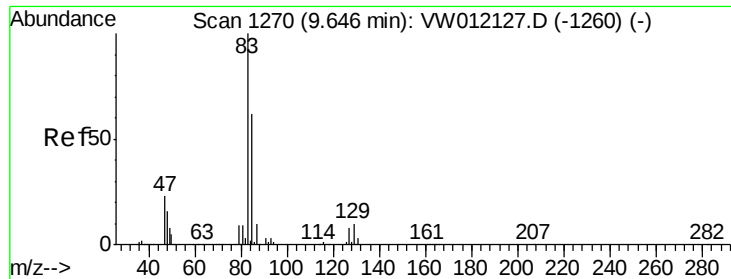
MMDadoda
 9/4/2019 9:34:34 AM



#46
 Dibromomethane
 Concen: 24.828 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion: 93 Resp: 28026
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.2 100.8
 174 97.2 79.0 118.6





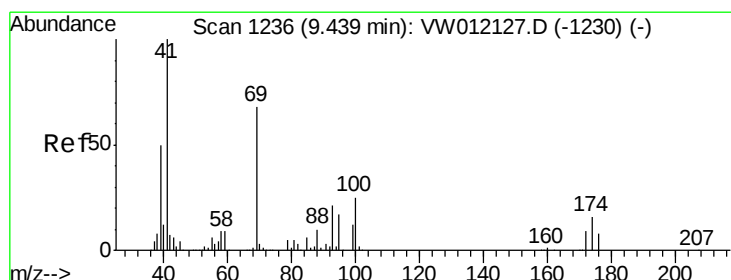
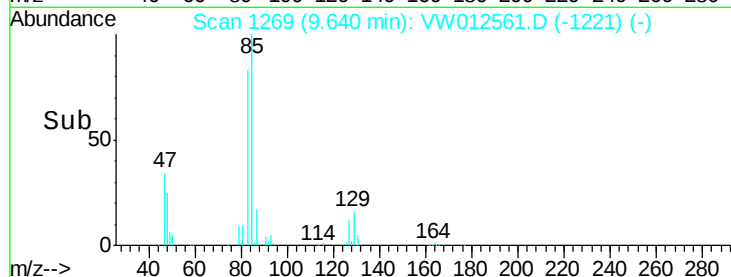
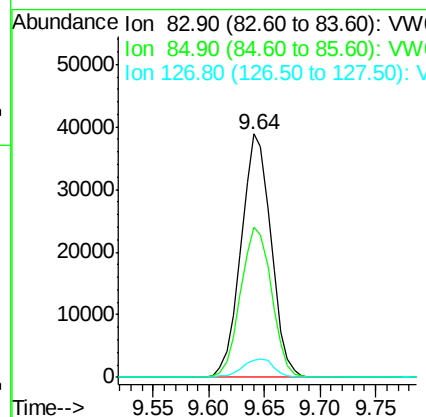
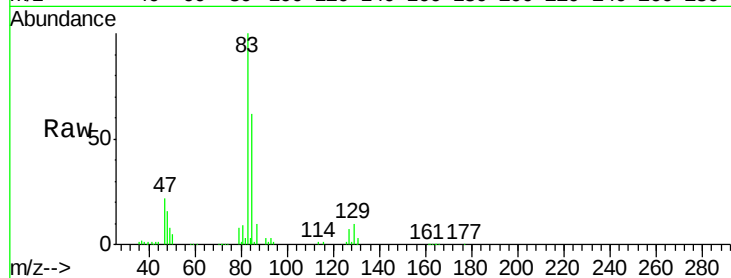
#47
Bromodichloromethane
Concen: 24.167 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.5	49.4	74.2
127	7.2	6.1	9.1

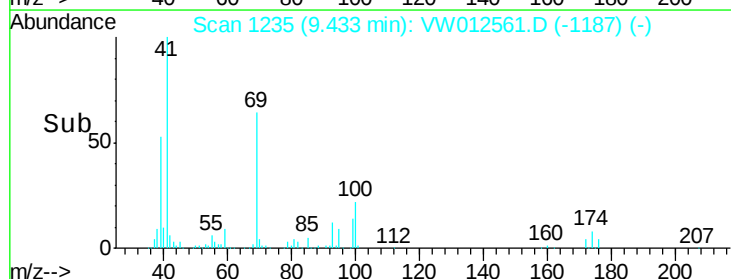
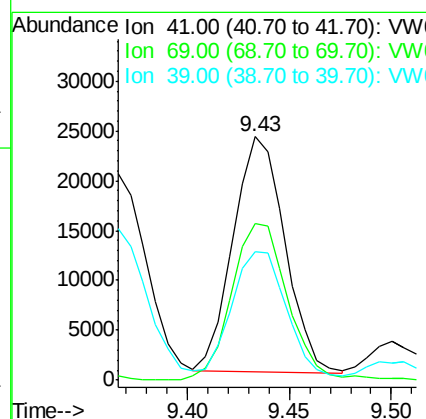
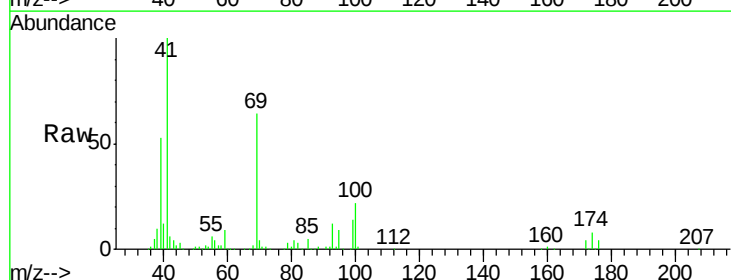
Manual Integrations
APPROVED

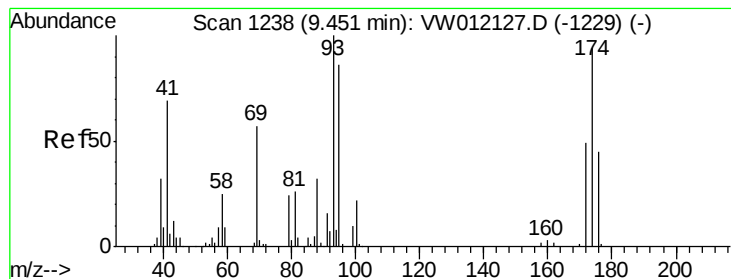
MMDadoda
9/4/2019 9:34:34 AM



#48
Methyl methacrylate
Concen: 24.938 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.4	56.7	85.1
39	58.8	42.0	63.0





#49

1,4-Dioxane

Concen: 504.493 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion: 88 Resp: 8718

Ion Ratio Lower Upper

88 100

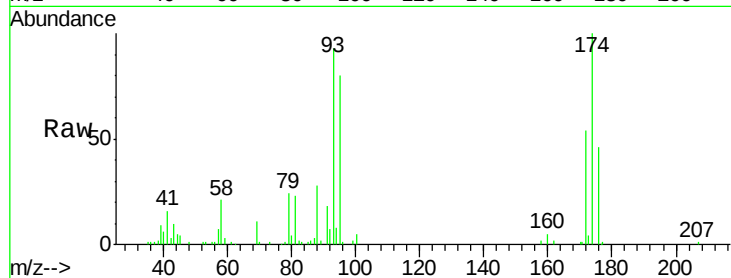
43 0.0 32.9 49.3#

58 92.3 71.0 106.4

Manual Integrations
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9/4/2019 9:34:34 AM

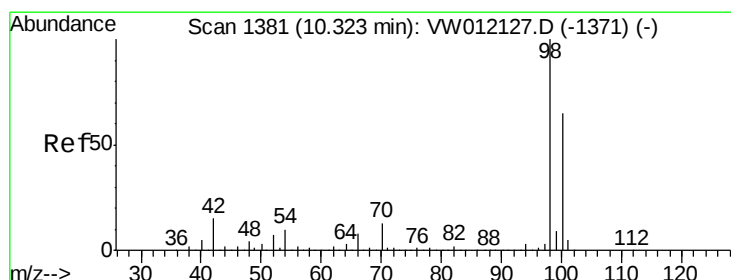
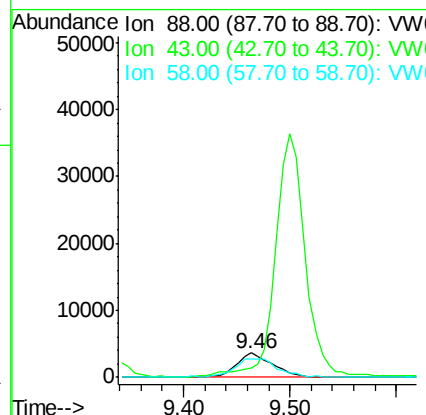
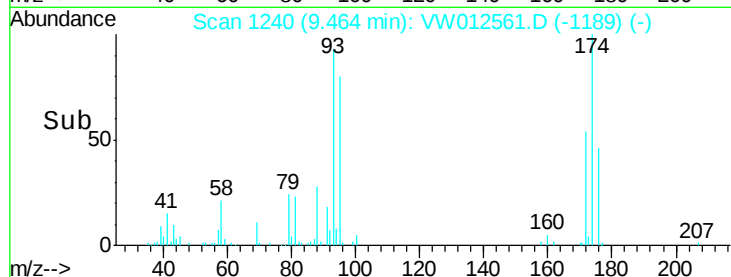


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 55.234 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012561.D

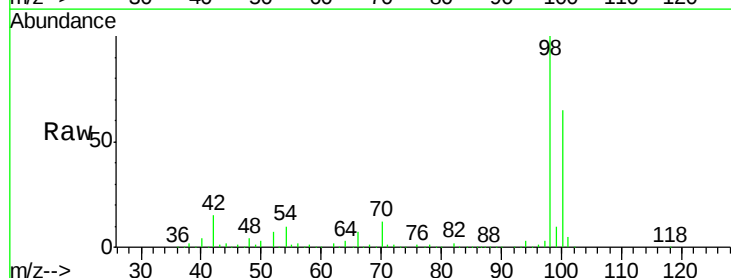
Acq: 03 Sep 2019 22:48

Tgt Ion: 98 Resp: 446600

Ion Ratio Lower Upper

98 100

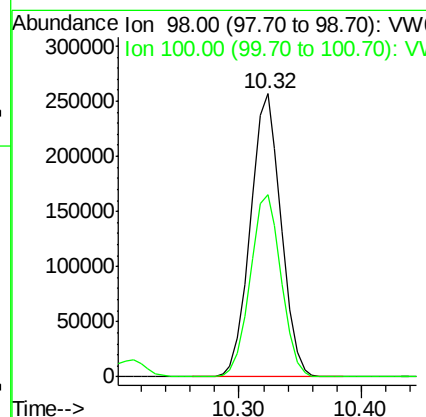
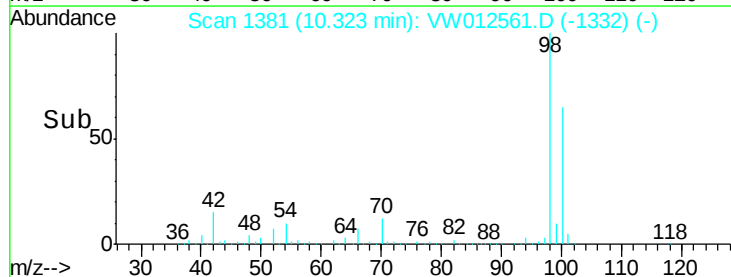
100 65.2 52.4 78.6

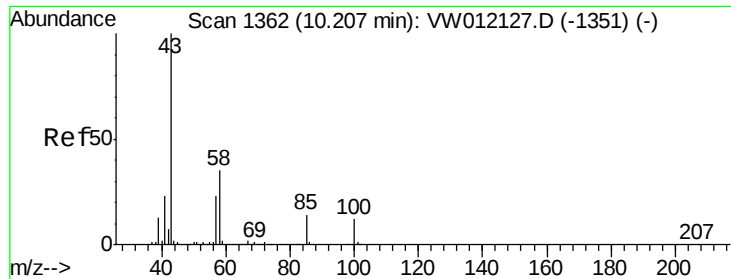


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 128.271 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampled :

VW0903SBS03

Tot Ion: 43 Resp: 228626

Ion Ratio Lower Upper

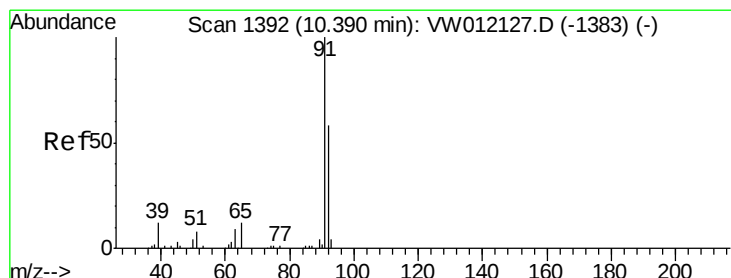
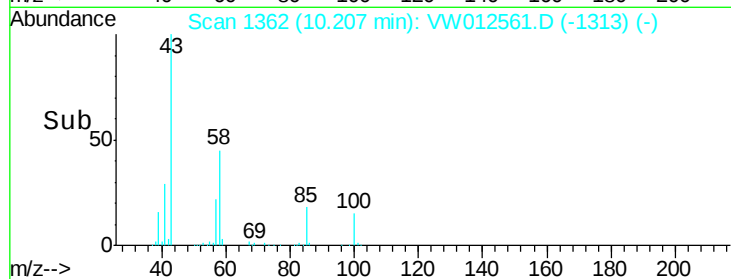
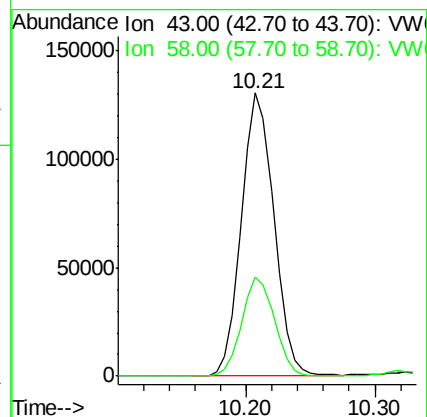
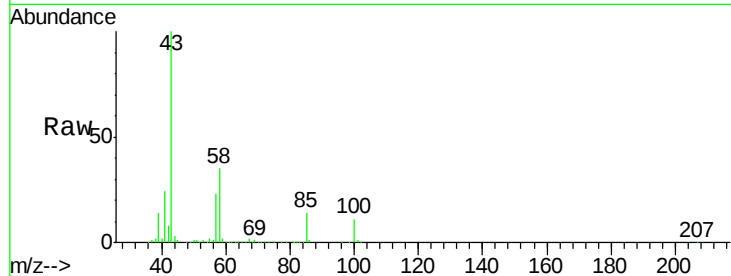
43 100

58 35.2 28.2 42.2

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#52

Toluene

Concen: 22.977 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012561.D

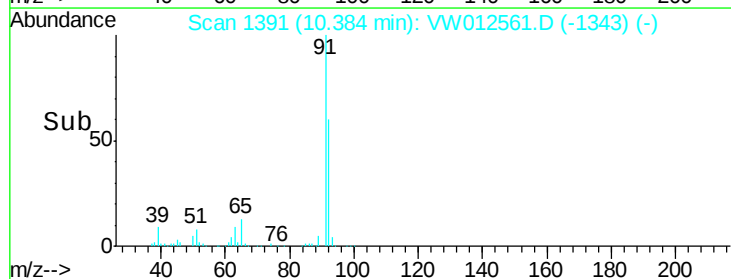
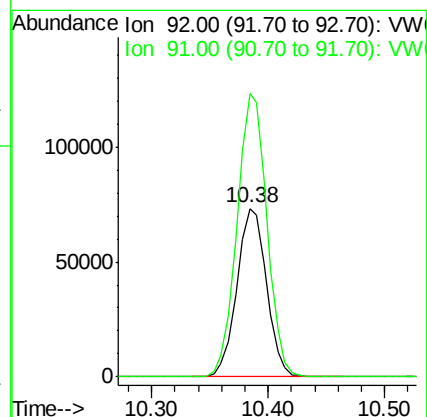
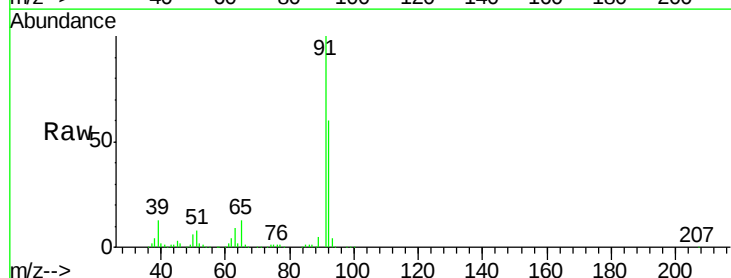
Acq: 03 Sep 2019 22:48

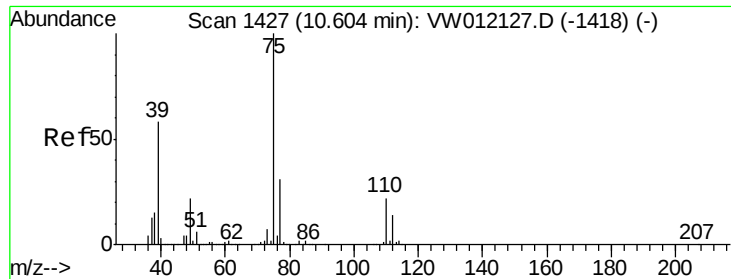
Tgt Ion: 92 Resp: 130120

Ion Ratio Lower Upper

92 100

91 169.0 136.6 204.8





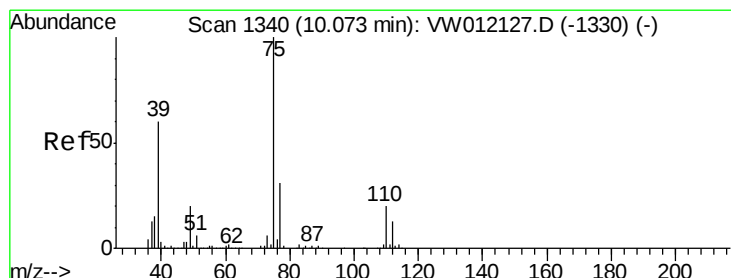
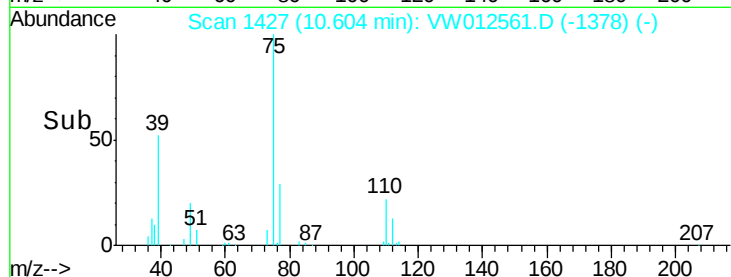
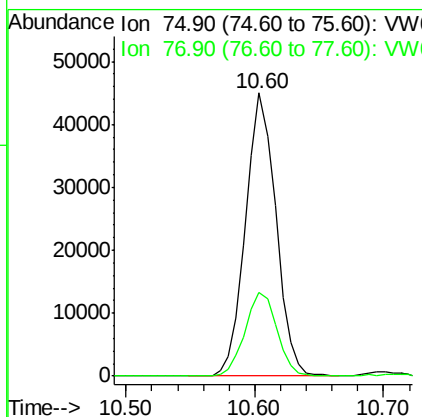
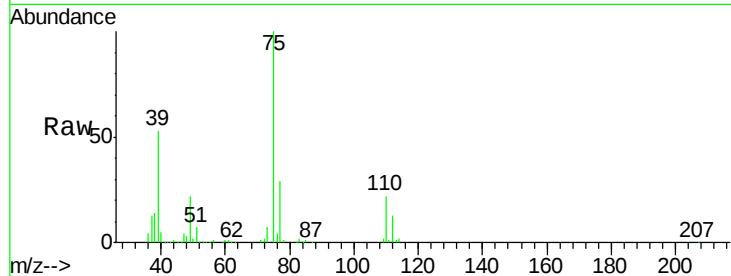
#53
 t-1,3-Dichloropropene
 Concen: 24.001 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion: 75 Resp: 73446
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.0 37.4

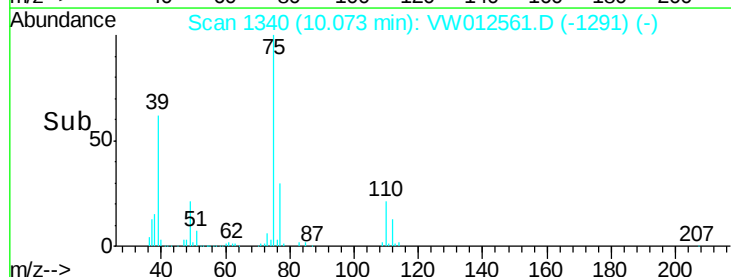
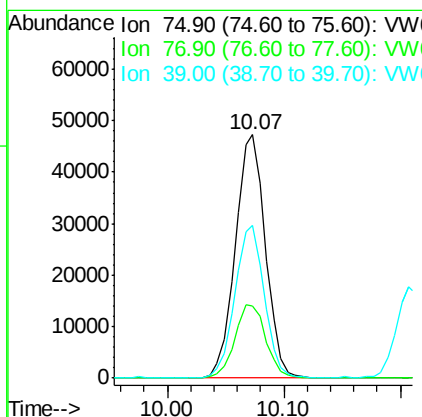
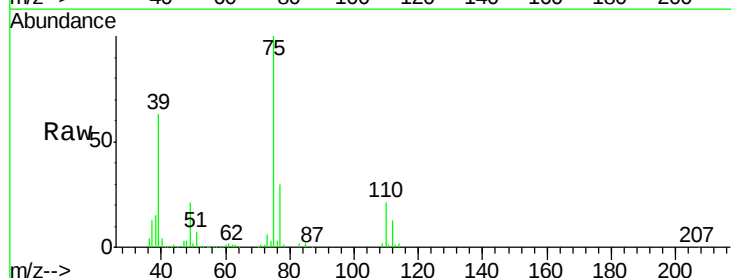
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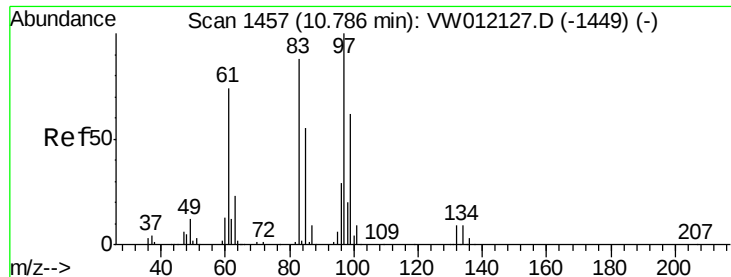
MMDadoda
 9/4/2019 9:34:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 23.060 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion: 75 Resp: 85205
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.1 37.7
 39 62.3 48.3 72.5





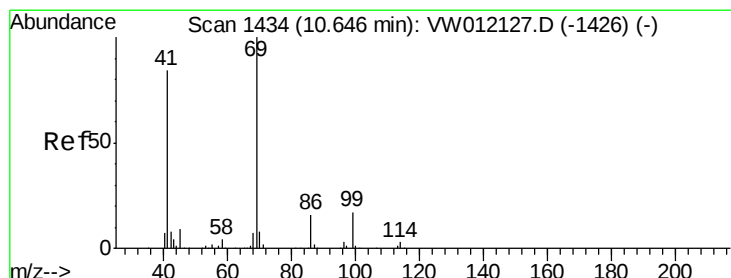
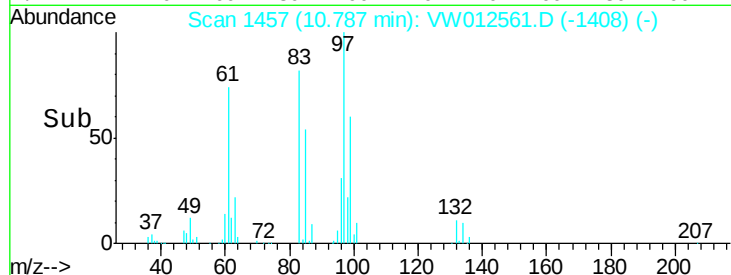
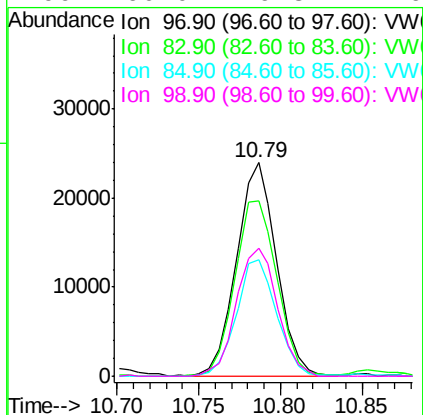
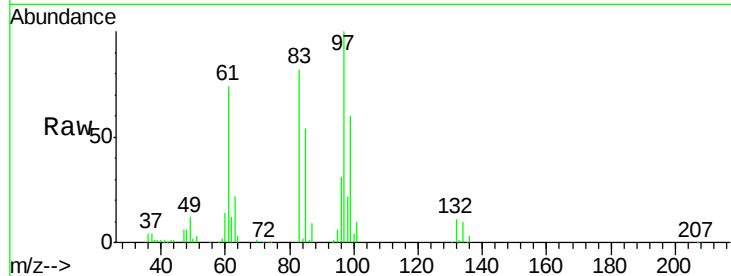
#55
 1,1,2-Trichloroethane
 Concen: 25.377 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion:	97	Resp:	40530
Ion	Ratio	Lower	Upper
97	100		
83	82.0	70.8	106.2
85	54.4	43.8	65.8
99	60.0	49.8	74.6

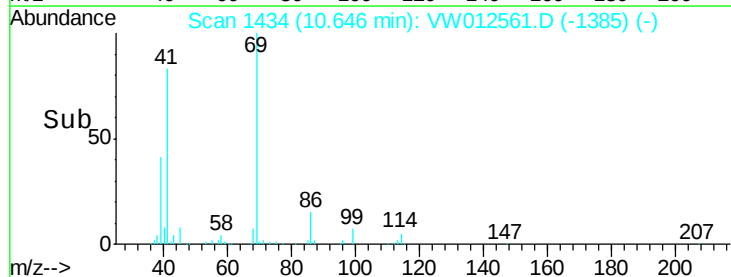
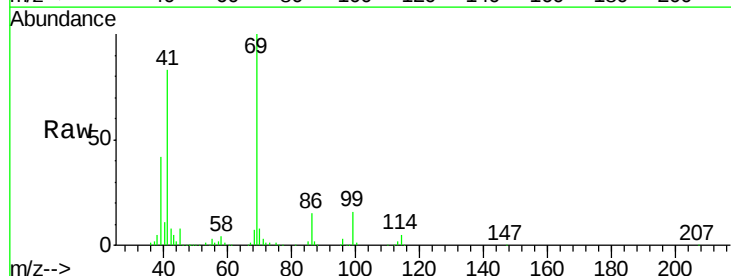
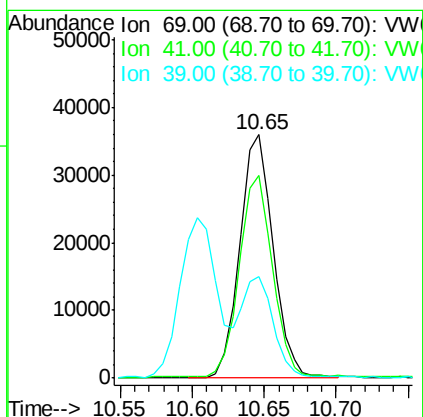
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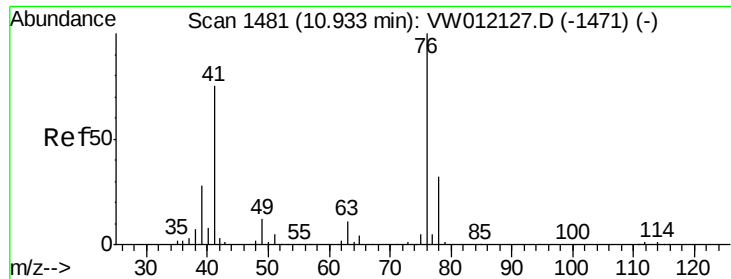
MMDadoda
 9/4/2019 9:34:34 AM



#56
 Ethyl methacrylate
 Concen: 24.965 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion:	69	Resp:	58030
Ion	Ratio	Lower	Upper
69	100		
41	82.9	66.5	99.7
39	37.9	31.0	46.4





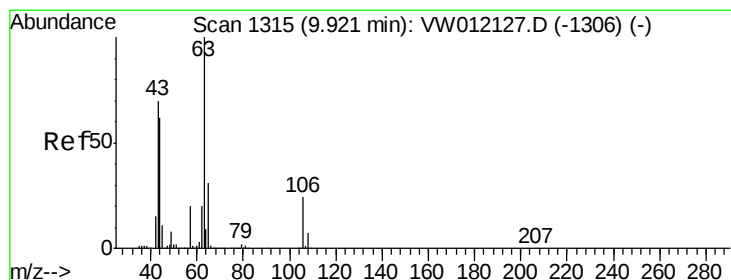
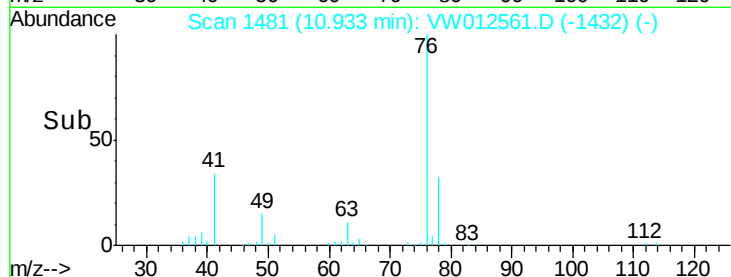
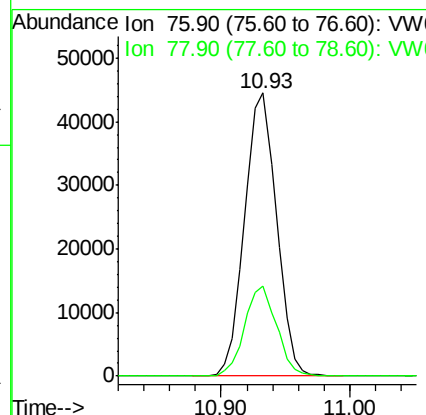
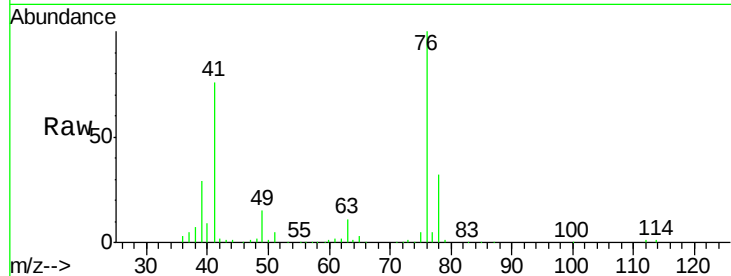
#57
 1,3-Dichloropropane
 Concen: 25.287 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion: 76 Resp: 76320
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

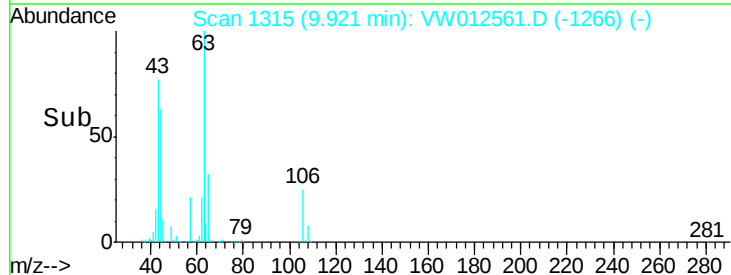
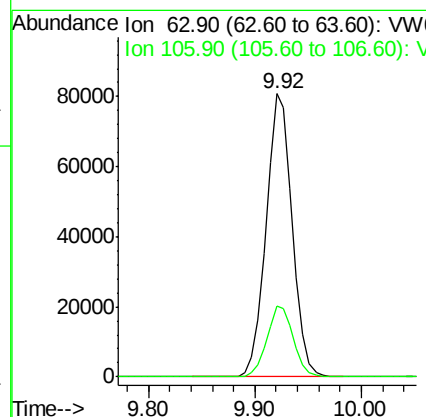
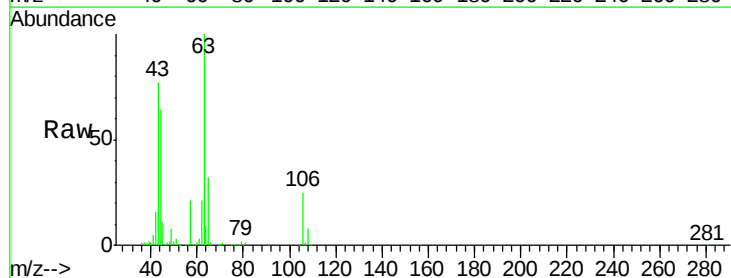
Manual Integrations
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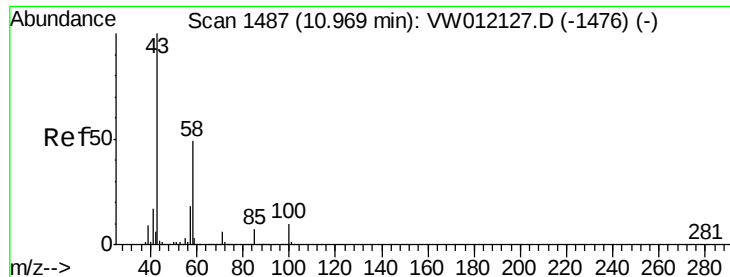
MMDadoda
 9/4/2019 9:34:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.962 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion: 63 Resp: 138338
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





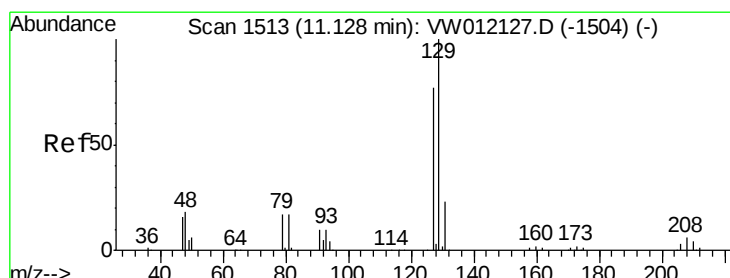
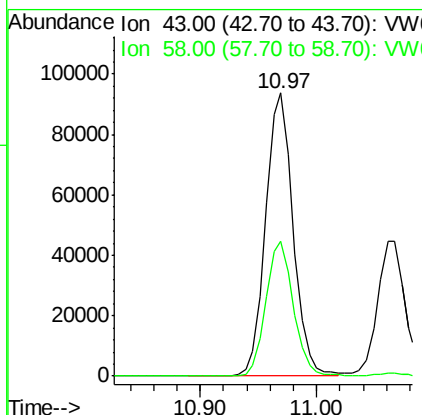
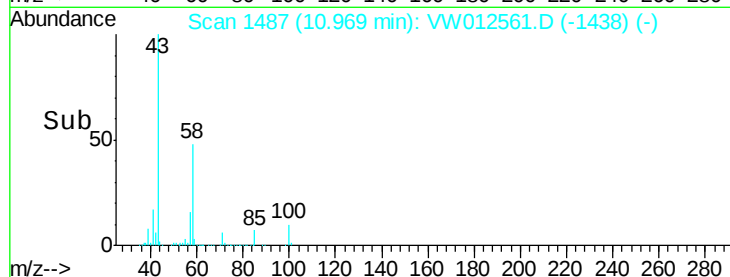
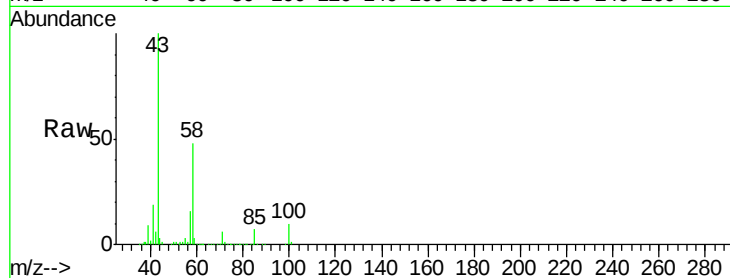
#59
2-Hexanone
Concen: 122.219 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion: 43 Resp: 154135
Ion Ratio Lower Upper
43 100
58 47.6 24.3 72.9

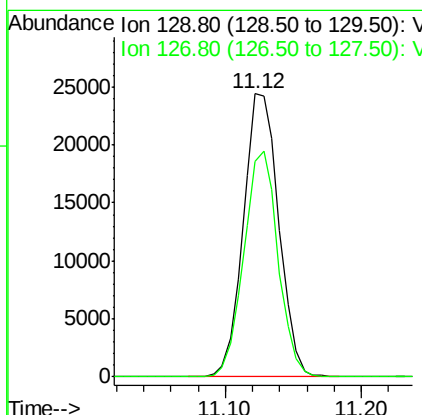
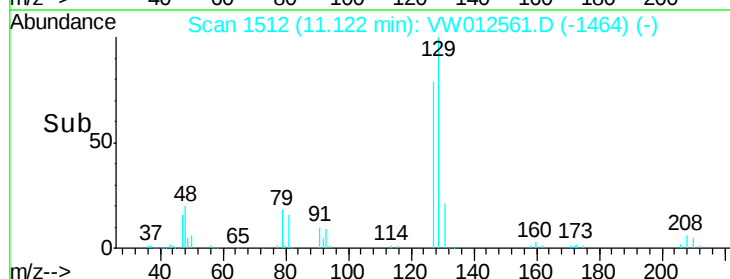
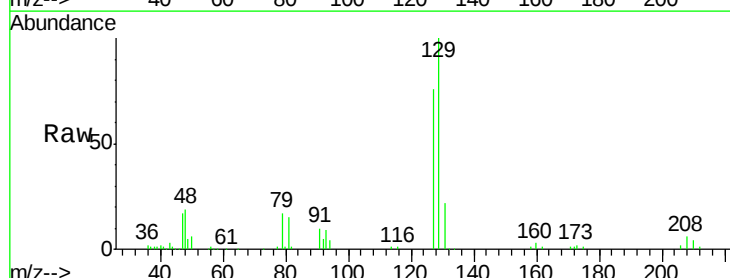
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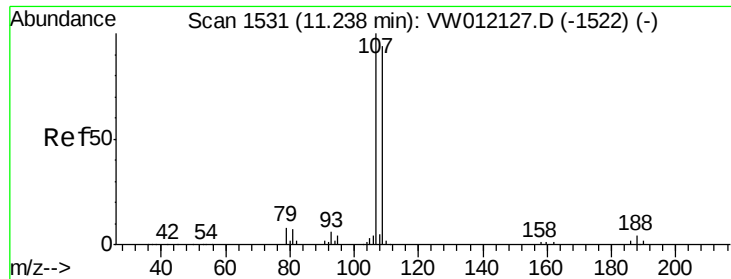
MMDadoda
9/4/2019 9:34:34 AM



#60
Dibromochloromethane
Concen: 24.991 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion: 129 Resp: 44456
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





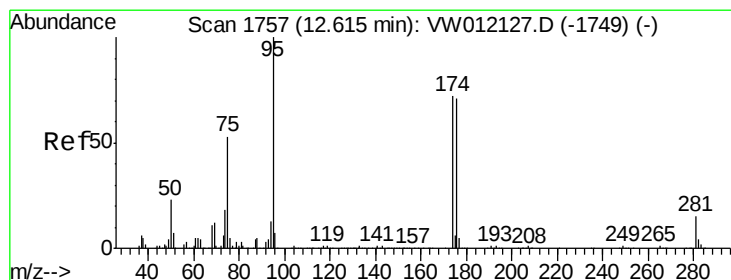
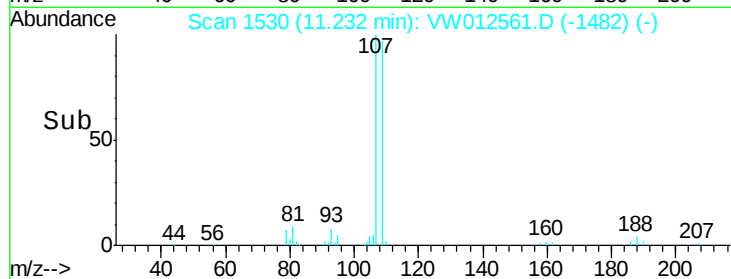
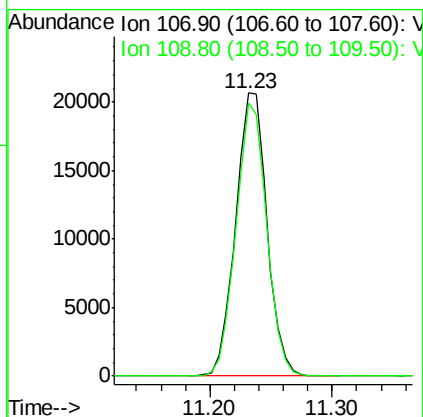
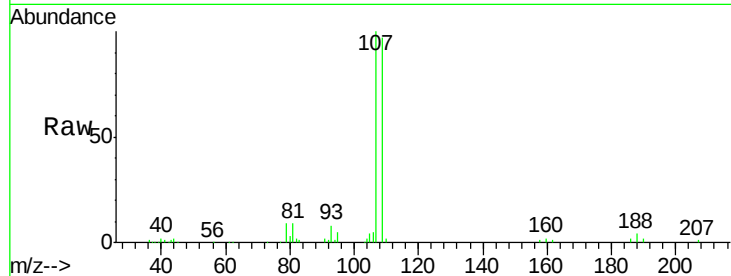
#61
 1,2-Dibromoethane
 Concen: 24.646 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

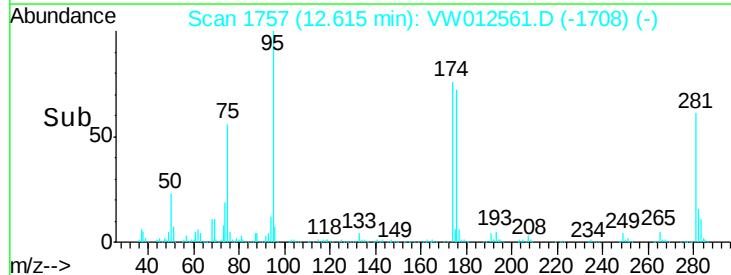
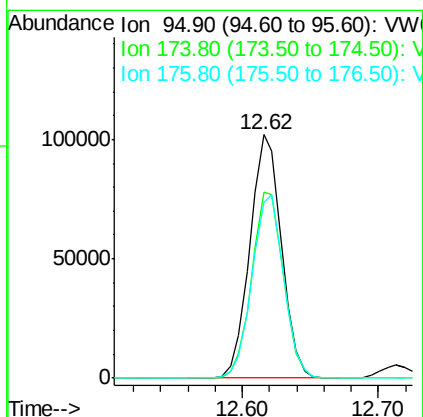
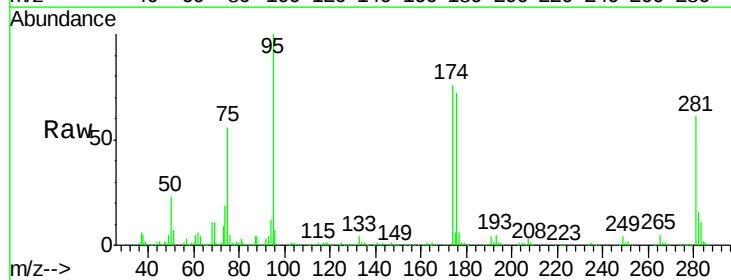
Manual Integrations
 APPROVED

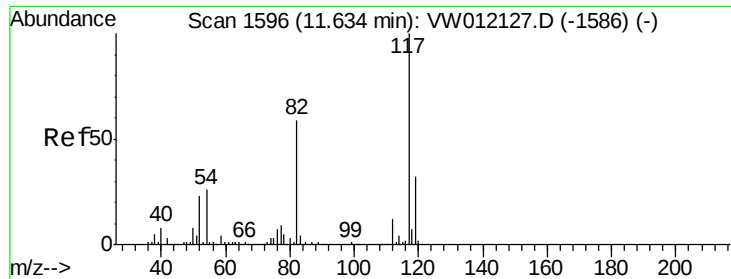
MMDadoda
 9/4/2019 9:34:34 AM



#62
 4-Bromofluorobenzene
 Concen: 58.174 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	150.8
176	75.6	0.0	148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

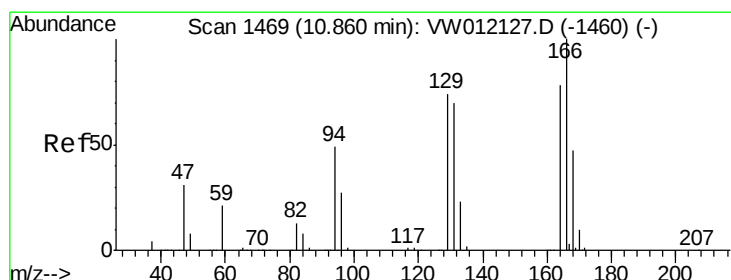
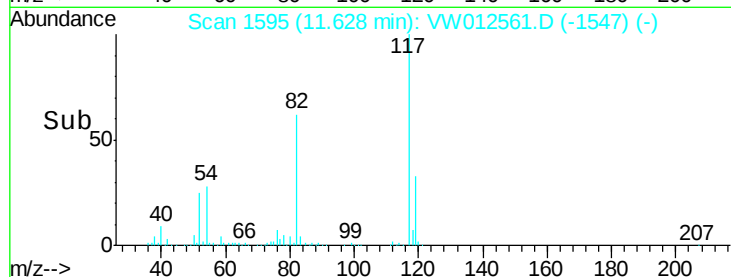
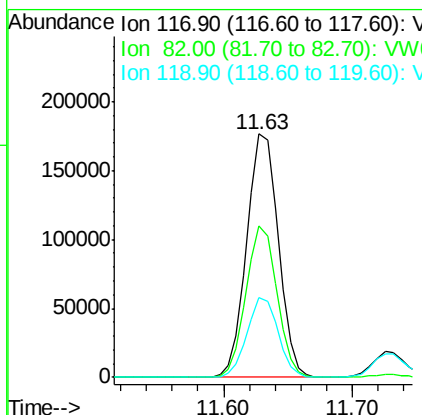
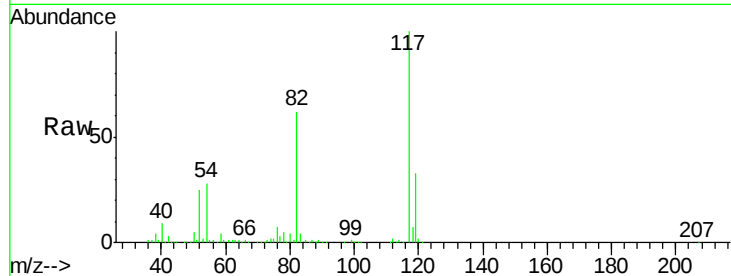
ClientSampleId :

VW0903SBS03

Tot Ion:	117	Resp:	299943
Ion Ratio	Lower	Upper	
117	100		
82	62.2	47.4	71.2
119	33.0	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.517 ug/l

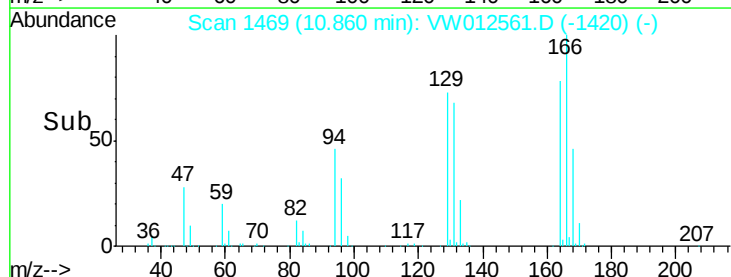
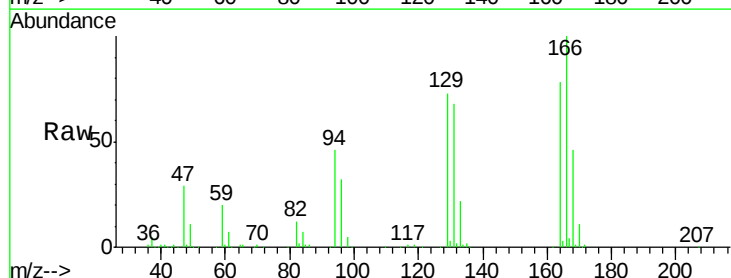
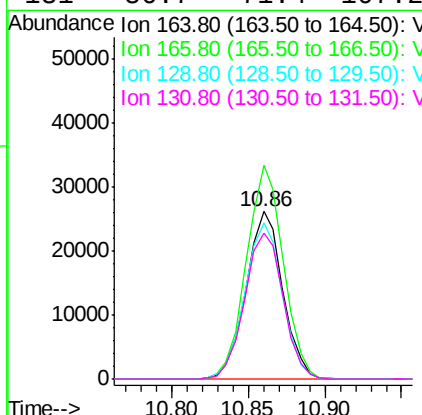
RT: 10.86 min Scan# 1469

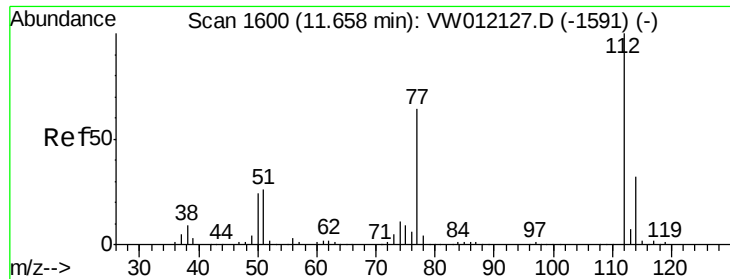
Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	164	Resp:	43787
Ion Ratio	Lower	Upper	
164	100		
166	127.4	102.4	153.6
129	93.4	75.8	113.6
131	86.7	71.4	107.2





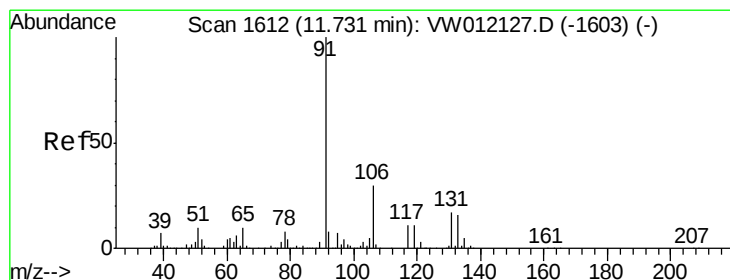
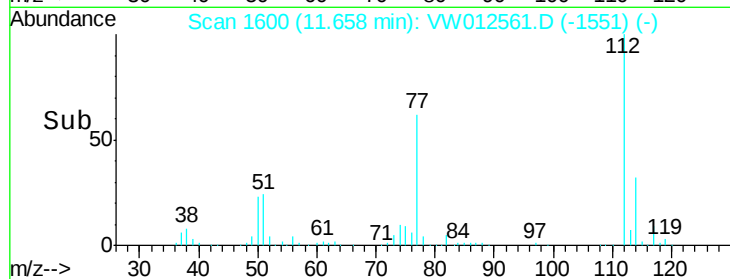
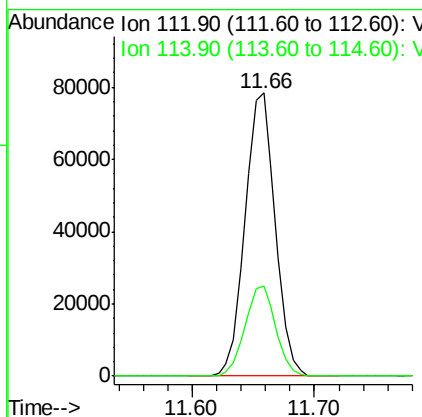
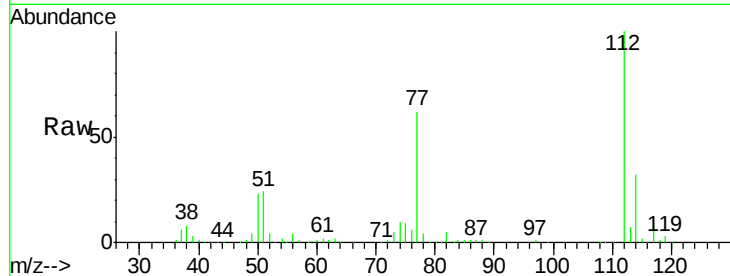
#65
Chlorobenzene
Concen: 22.727 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion:112 Resp: 134227
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

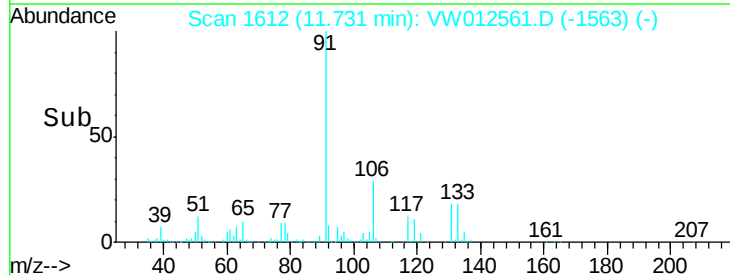
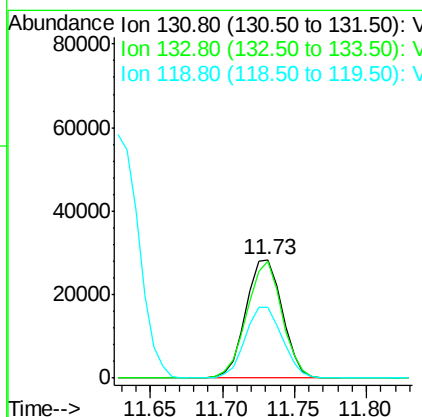
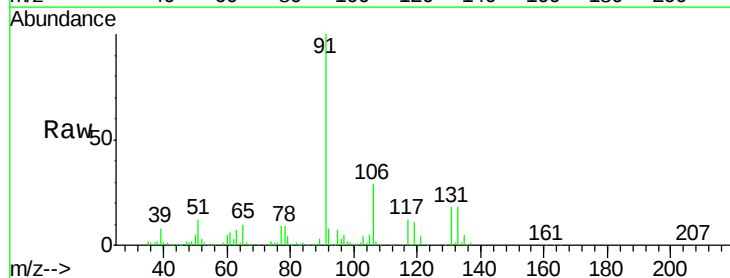
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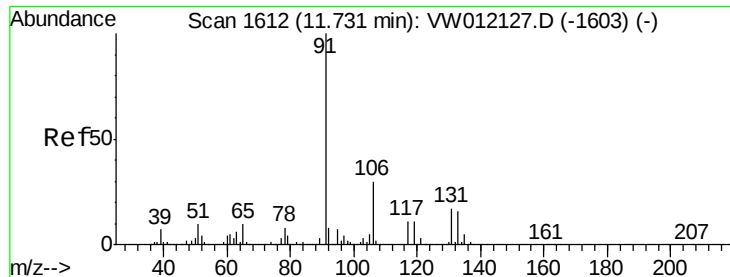
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9/4/2019 9:34:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.125 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion:131 Resp: 49707
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 61.1 31.8 95.3





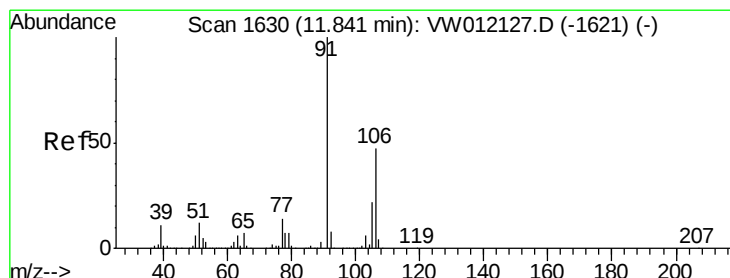
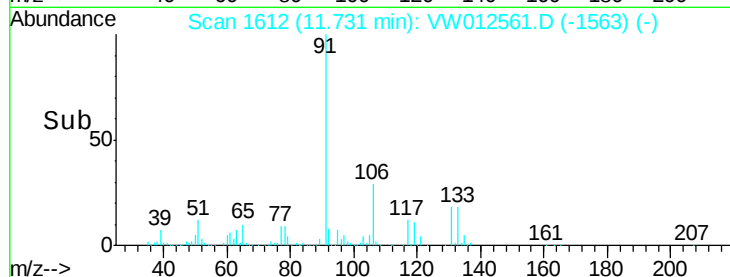
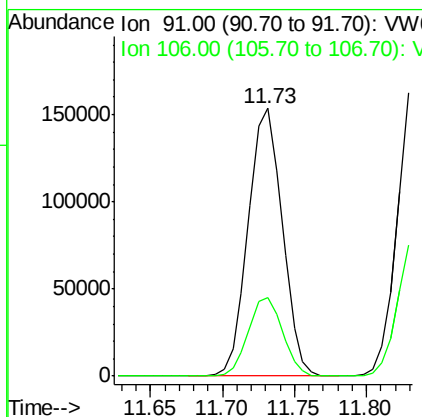
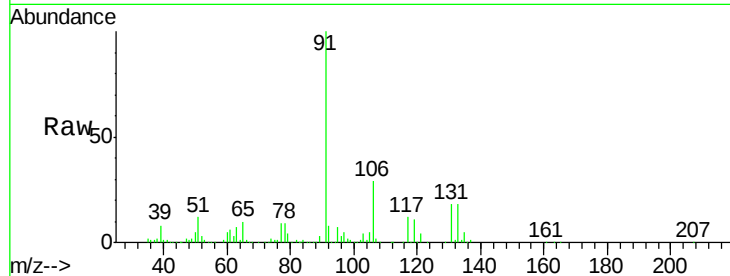
#67
Ethyl Benzene
Concen: 22.120 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.3	36.5

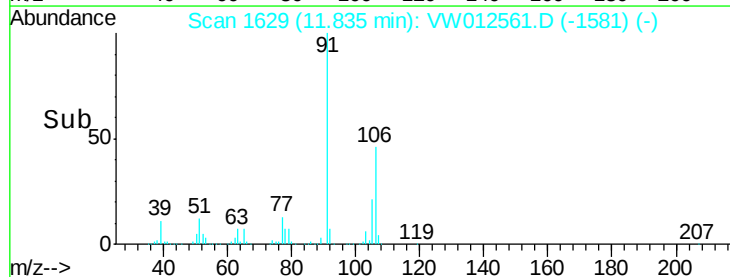
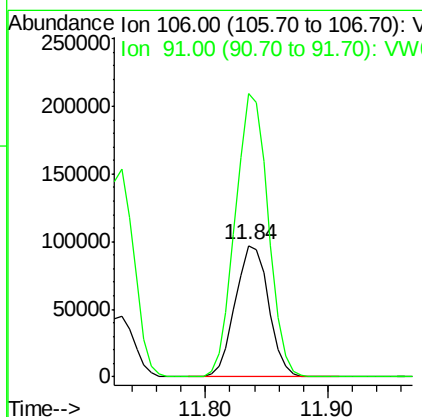
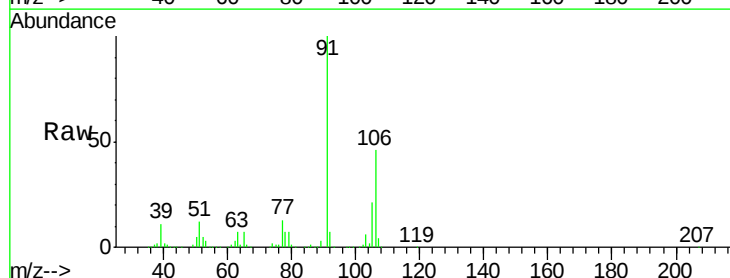
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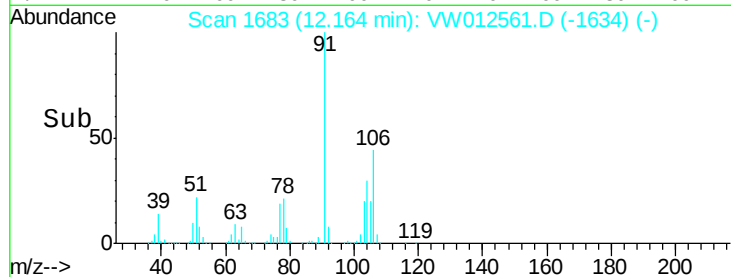
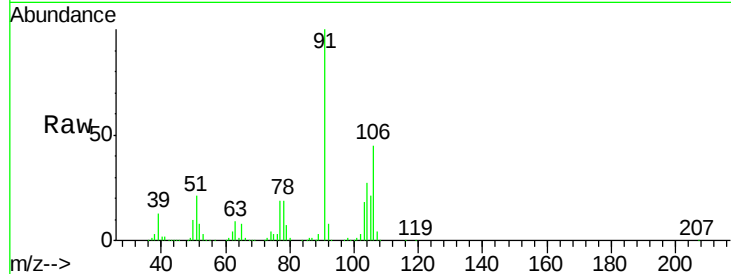
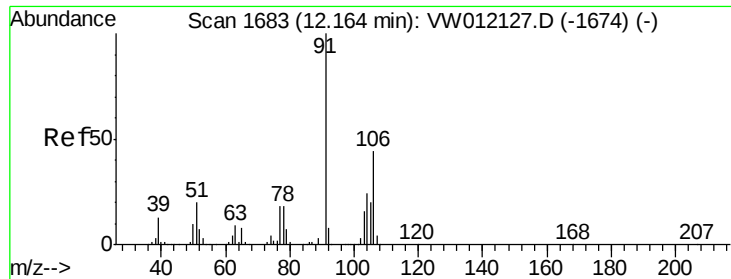
MMDadoda
9/4/2019 9:34:34 AM



#68
m/p-Xylenes
Concen: 44.715 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.0	169.5	254.3





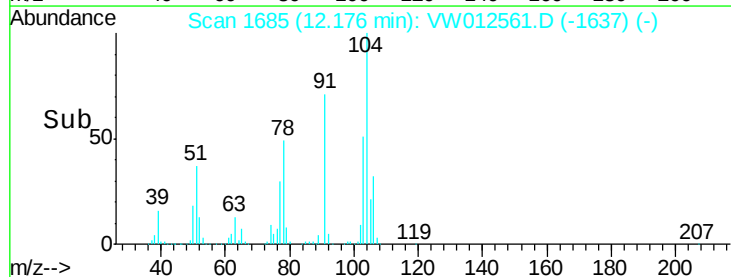
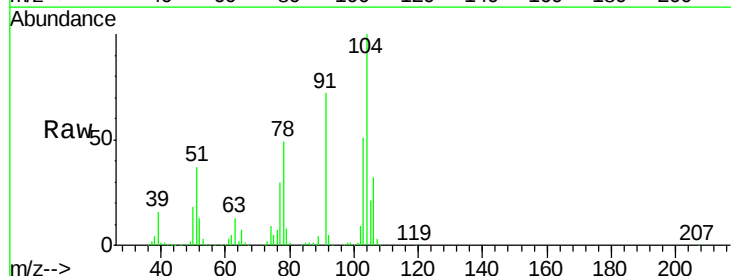
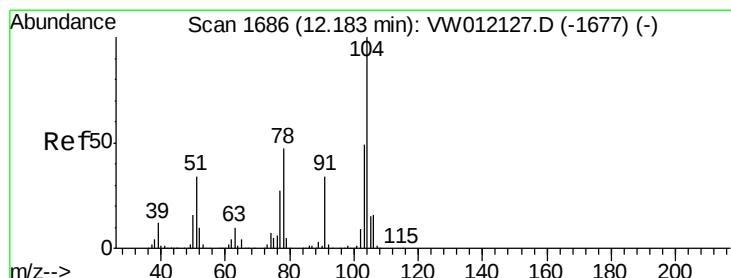
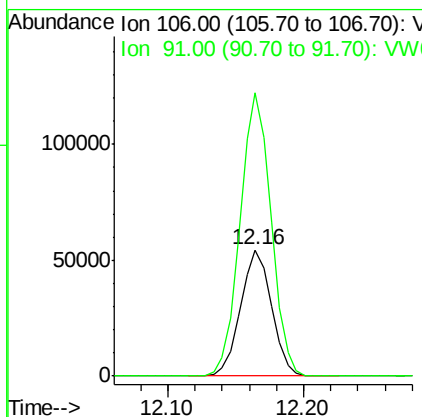
#69
o-Xylene
Concen: 22.823 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tot Ion:106 Resp: 86566
Ion Ratio Lower Upper
106 100
91 224.5 111.6 334.6

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

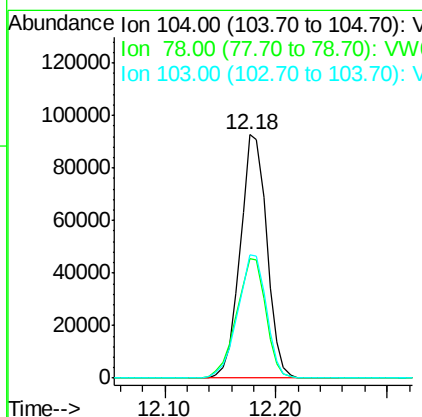
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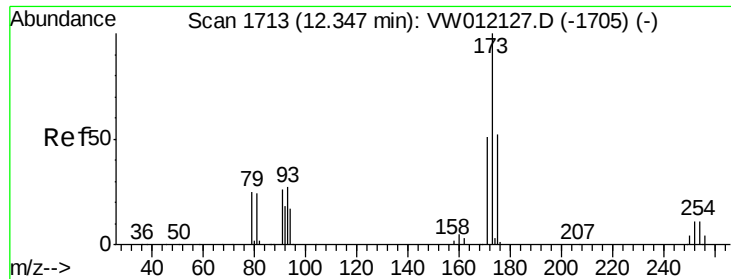
MMDadoda
9/4/2019 9:34:34 AM



#70
Styrene
Concen: 23.423 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion:104 Resp: 153780
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 54.8 43.5 65.3





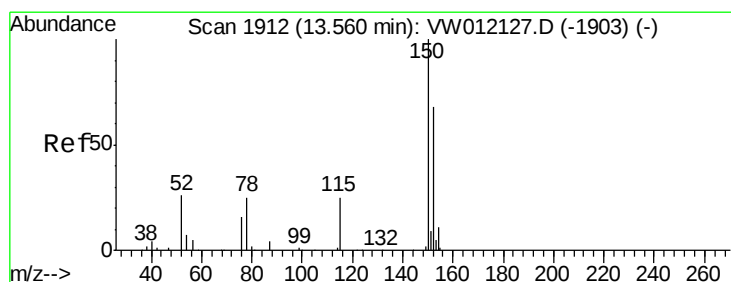
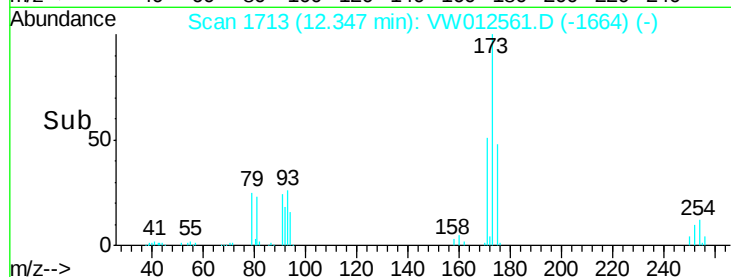
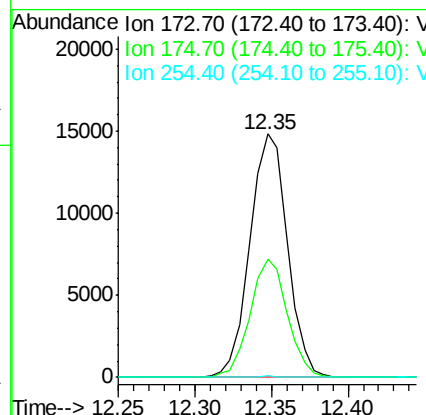
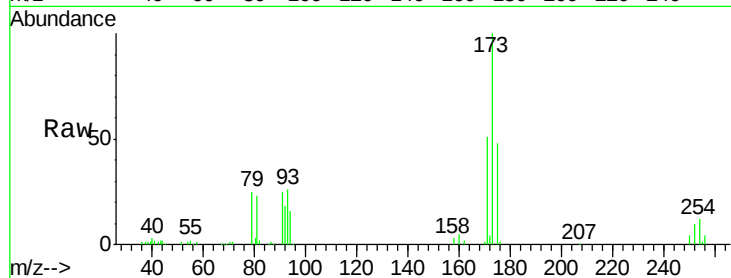
#71
Bromoform
Concen: 24.648 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.1	0.2	0.2#

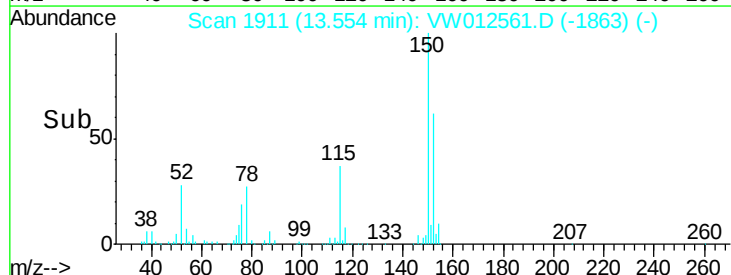
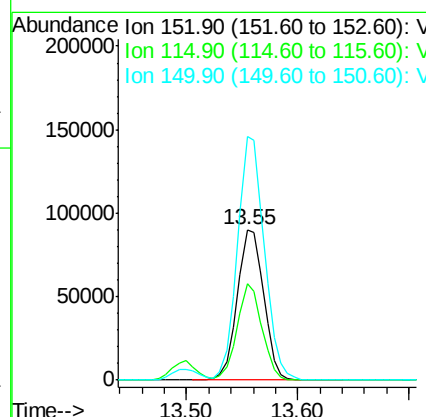
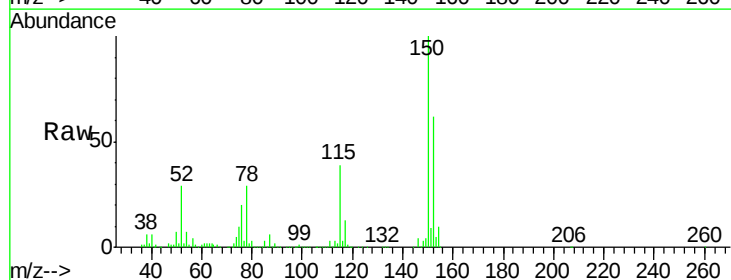
Manual Integrations
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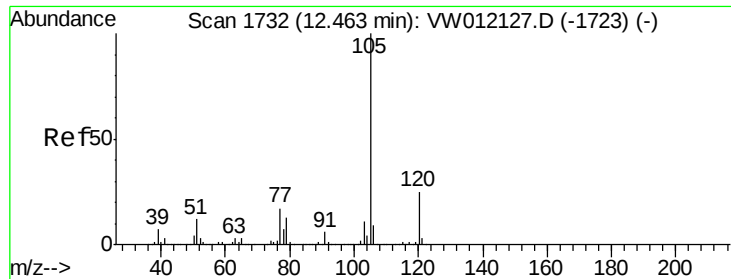
MMDadoda
9/4/2019 9:34:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.3
150	165.5	0.0	345.8





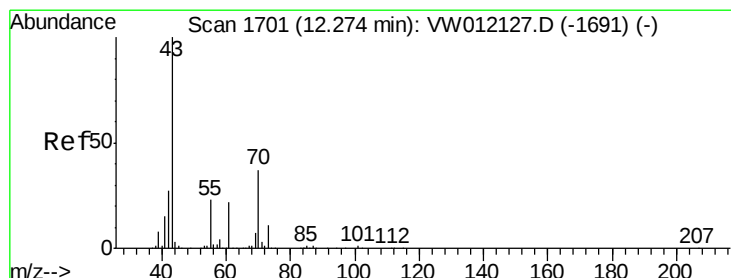
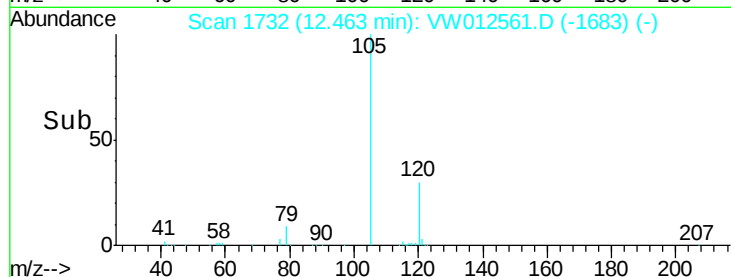
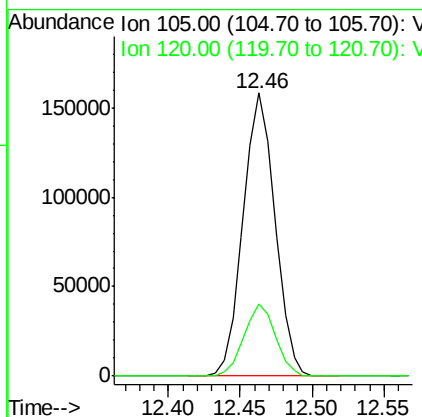
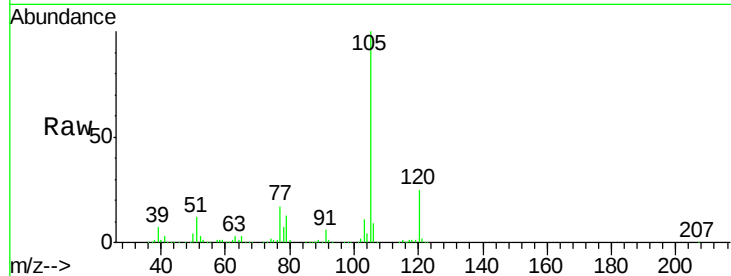
#73
Isopropylbenzene
Concen: 21.997 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.5	37.5

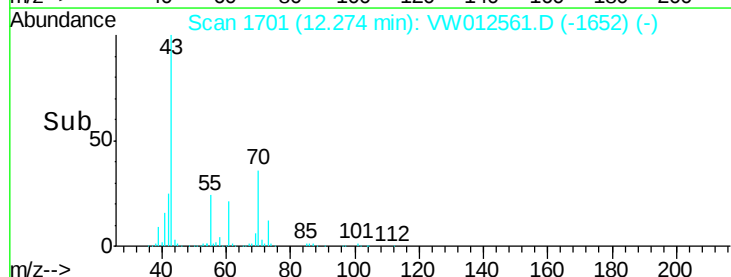
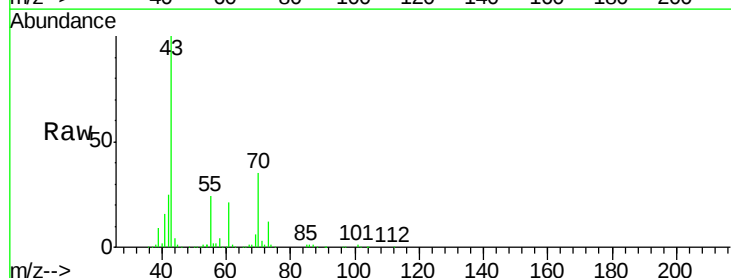
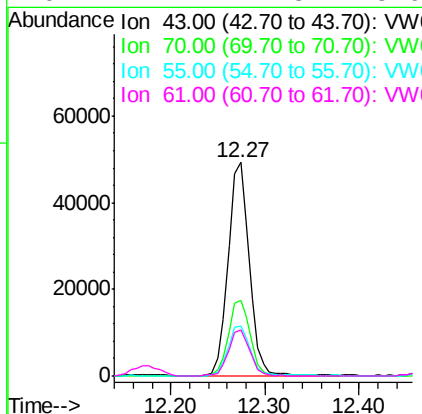
Manual Integrations
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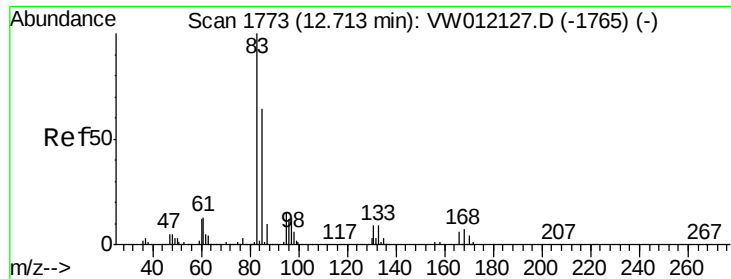
MMDadoda
9/4/2019 9:34:34 AM



#74
N-ethyl acetate
Concen: 23.294 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	28.6	43.0
55	24.3	17.8	26.6
61	21.2	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.783 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

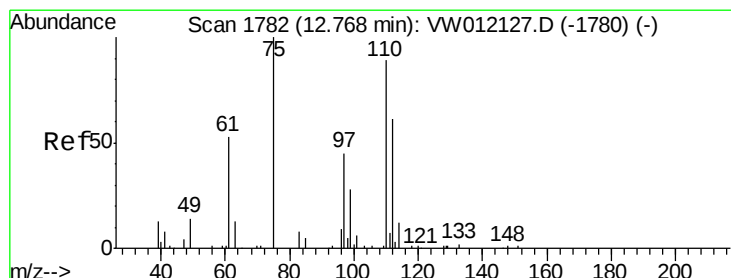
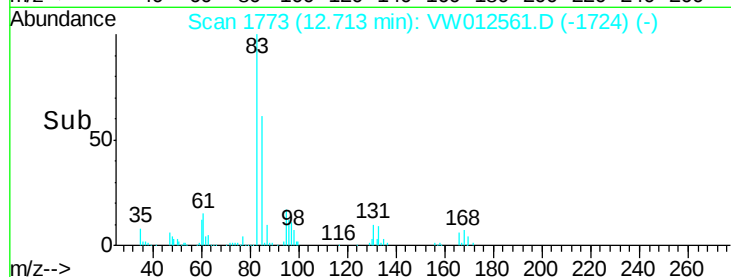
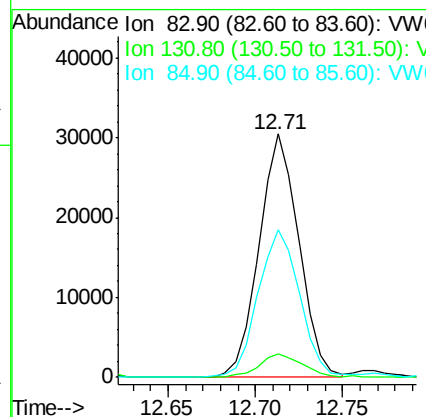
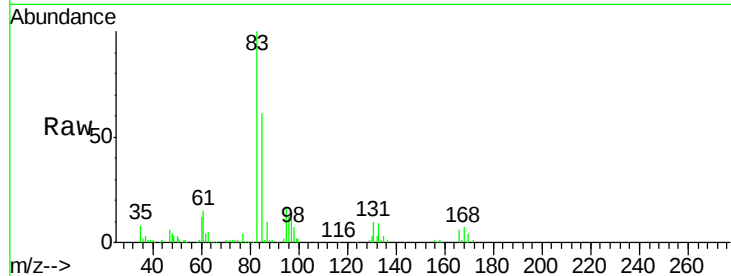
ClientSampleId :

VW0903SBS03

Tot Ion:	83	Resp:	48193
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	63.7	31.9	95.7

Manual Integrations
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9/4/2019 9:34:34 AM



#76

1,2,3-Trichloropropane

Concen: 27.868 ug/l m

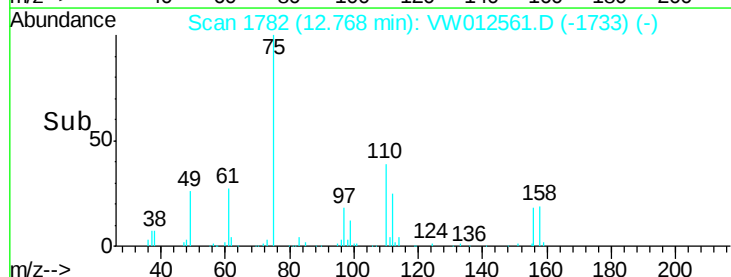
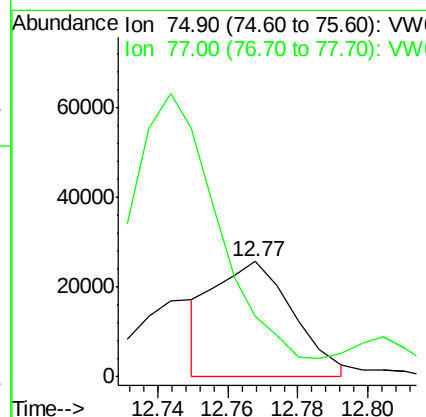
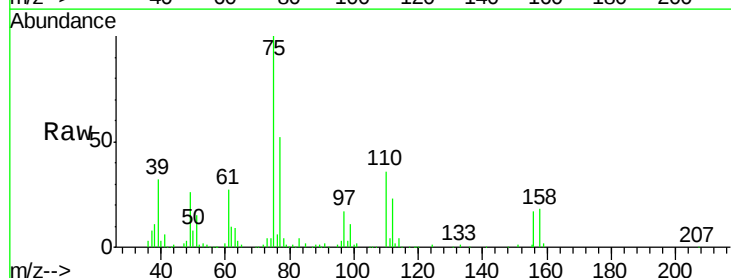
RT: 12.77 min Scan# 1782

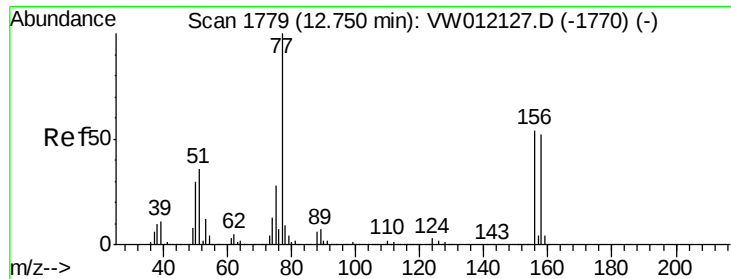
Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	75	Resp:	40035
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





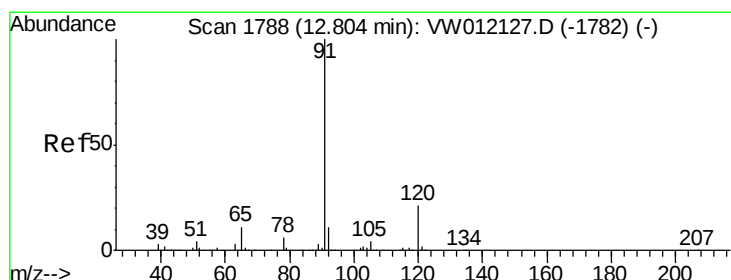
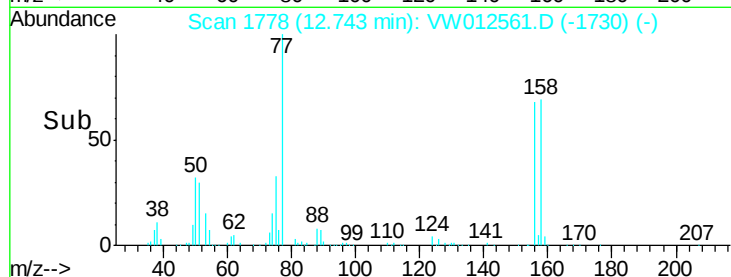
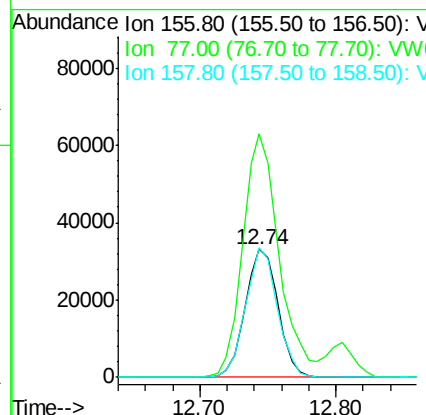
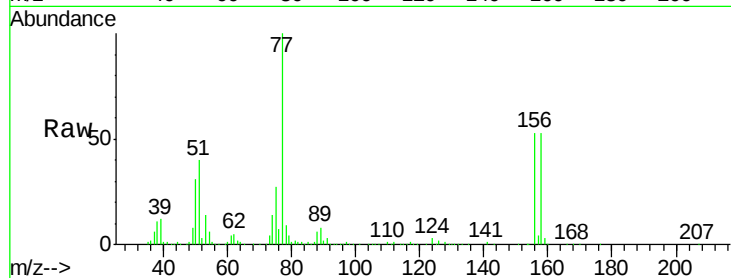
#77
Bromobenzene
Concen: 23.394 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	209.6	107.3	321.8	
158	97.5	49.0	147.0	

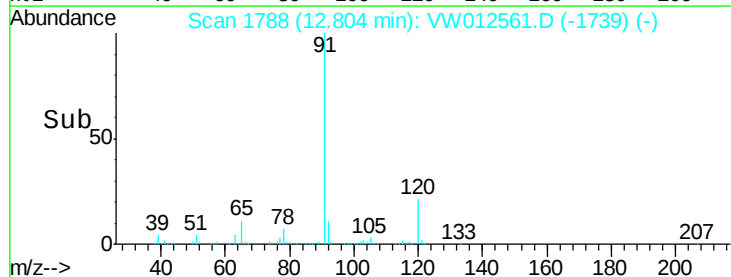
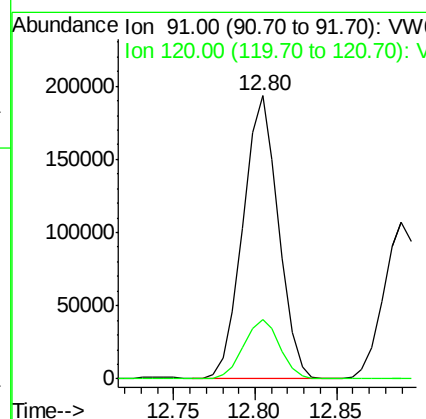
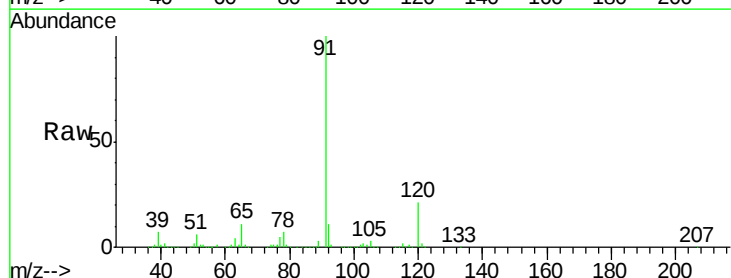
Manual Integrations
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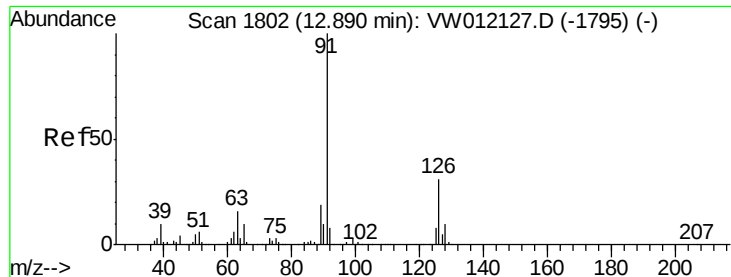
MMDadoda
9/4/2019 9:34:34 AM



#78
n-propylbenzene
Concen: 21.704 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.5	31.6	





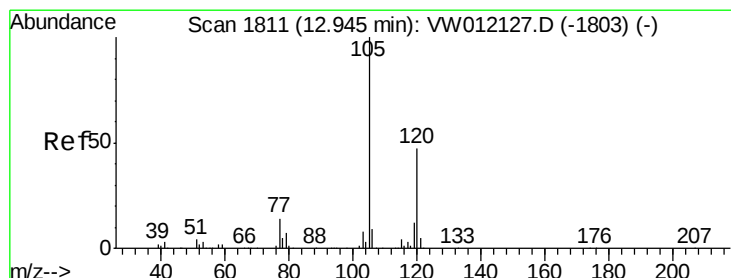
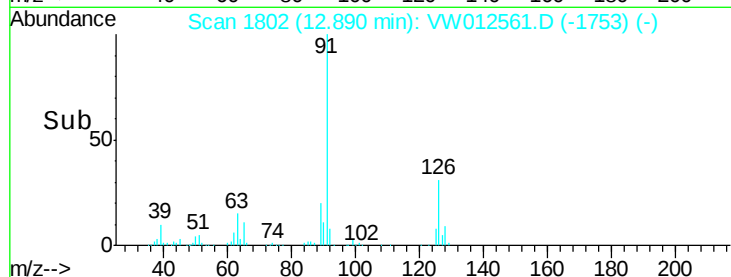
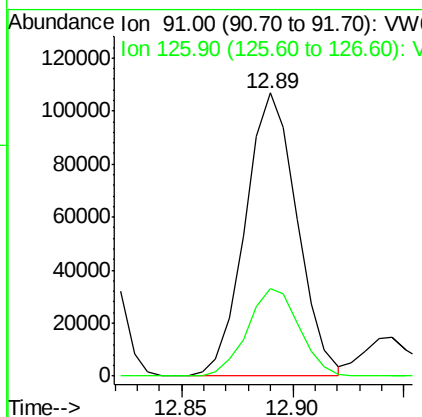
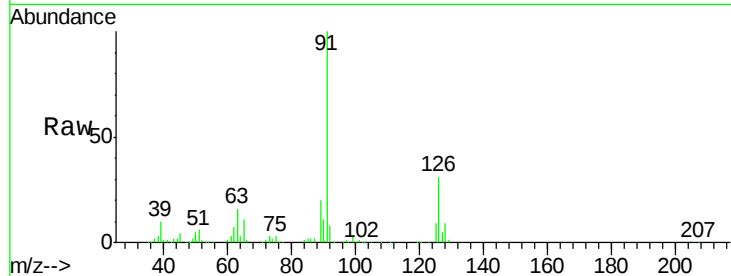
#79
 2-Chlorotoluene
 Concen: 22.470 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.0

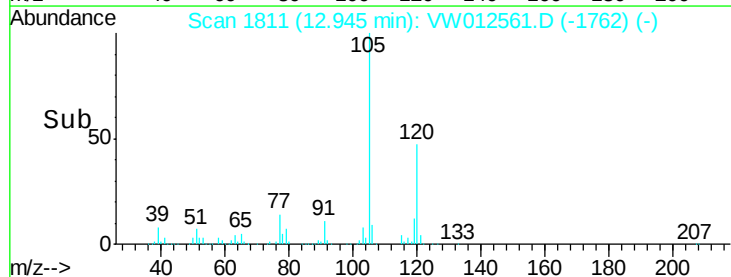
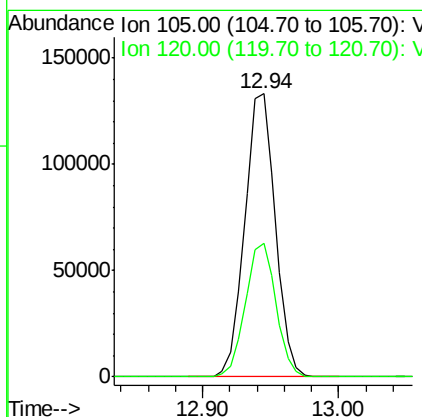
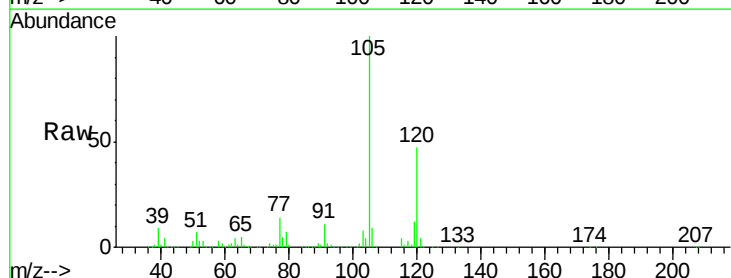
Manual Integrations
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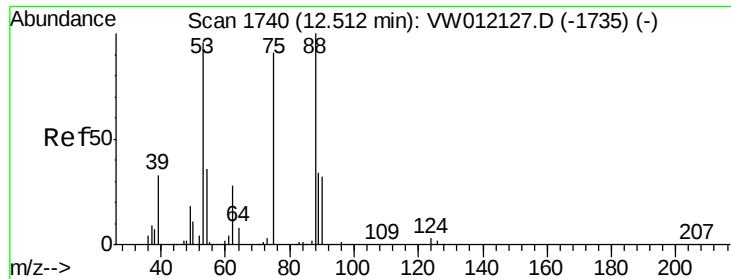
MMDadoda
 9/4/2019 9:34:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.624 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.0	72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.977 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

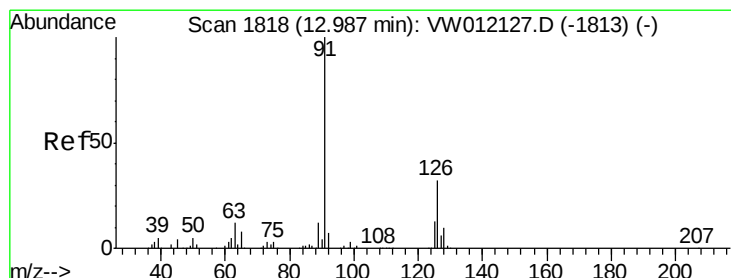
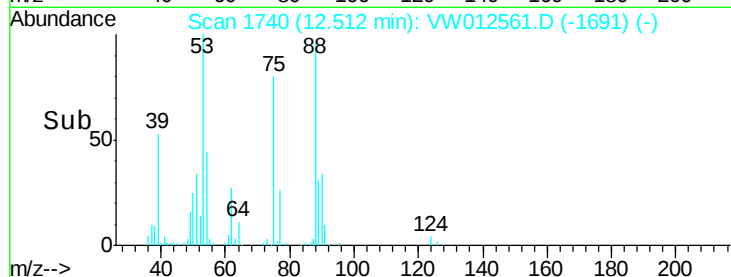
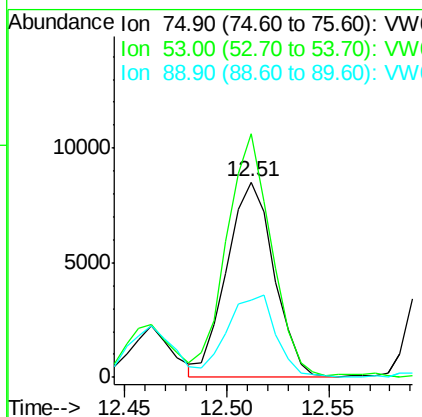
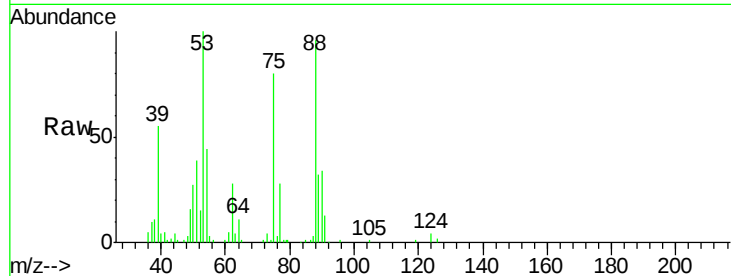
ClientSampled :

VW0903SBS03

Tot Ion:	75	Resp:	13745
Ion Ratio	Lower	Upper	
75	100		
53	115.7	89.4	134.0
89	43.1	34.5	51.7

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#82

4-Chlorotoluene

Concen: 22.634 ug/l

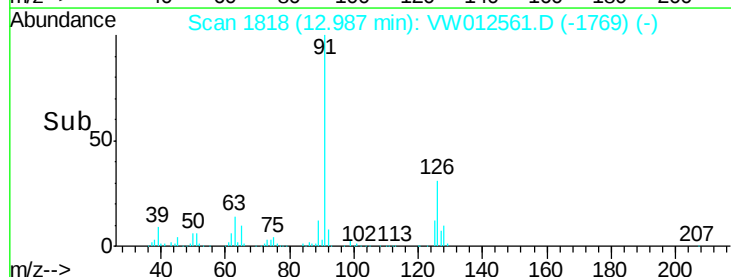
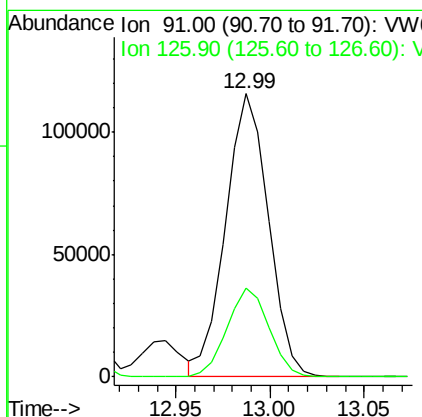
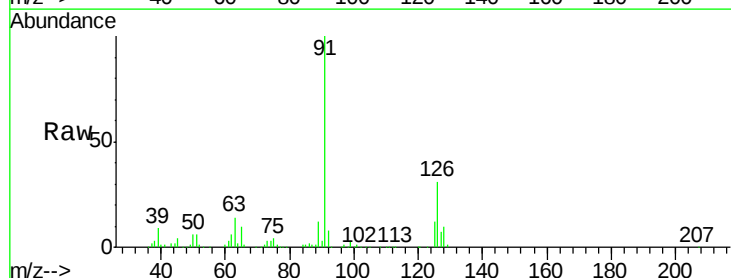
RT: 12.99 min Scan# 1818

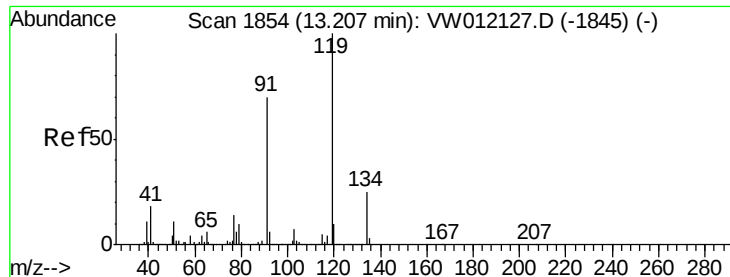
Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion:	91	Resp:	181557
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.6	46.8





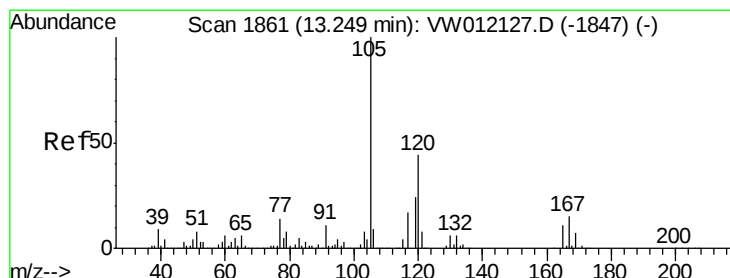
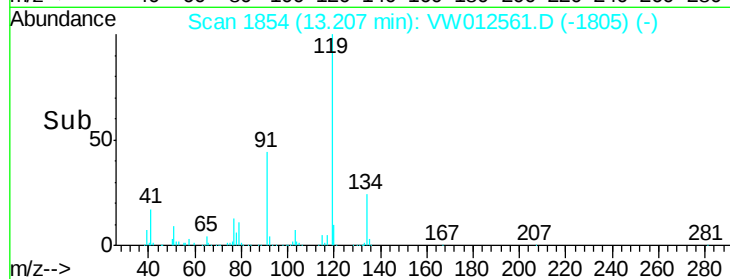
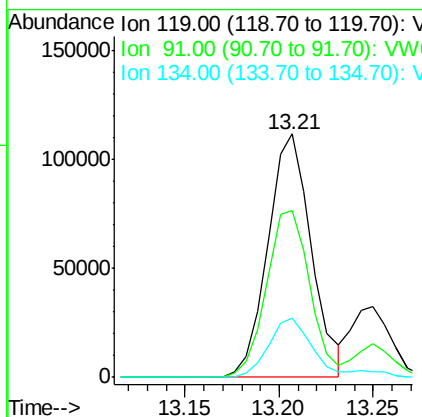
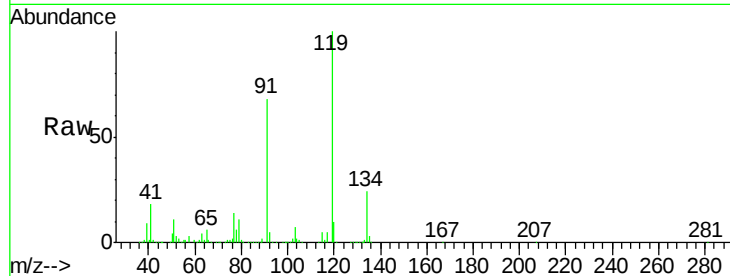
#83
 tert-Butylbenzene
 Concen: 22.824 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.3
134	24.1	13.3	39.8

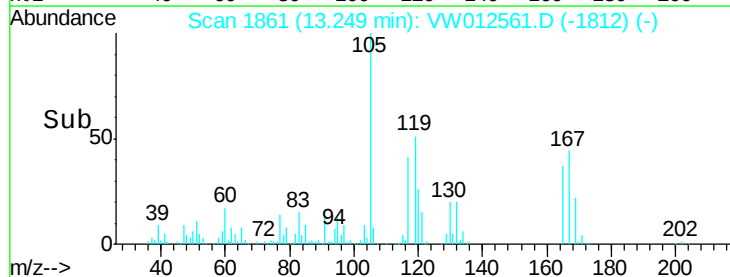
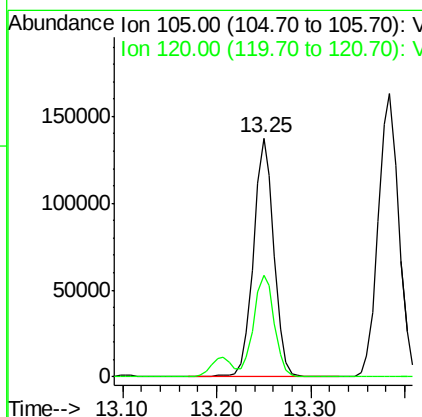
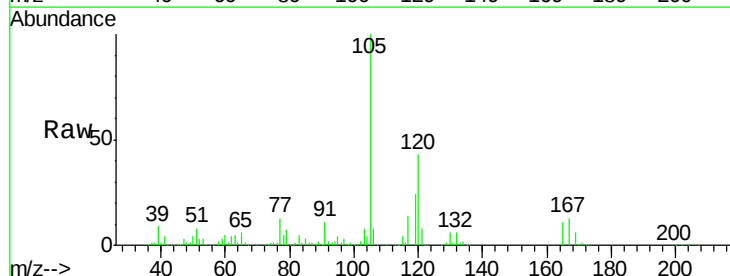
Manual Integrations
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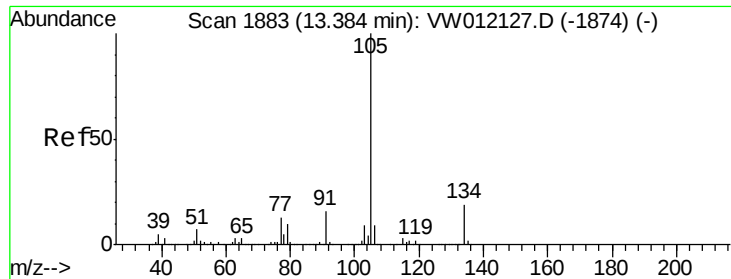
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.678 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 22.021 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS03

Tot Ion:105 Resp: 246826

Ion Ratio Lower Upper

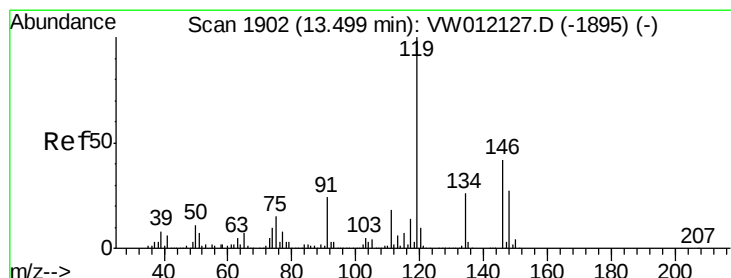
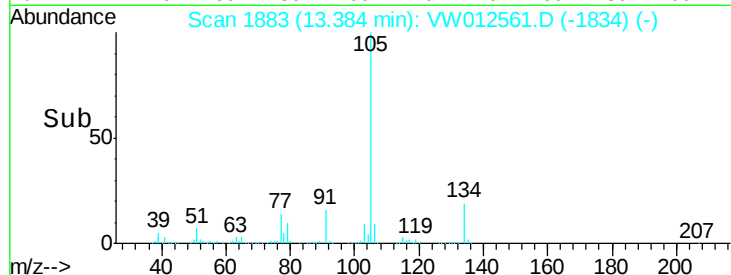
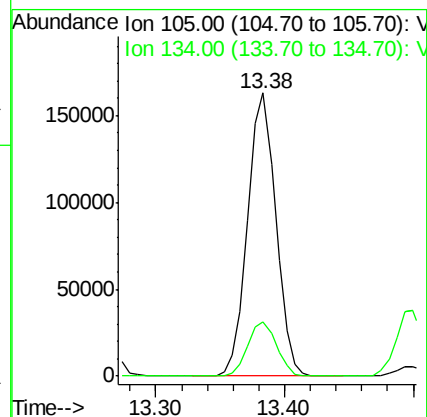
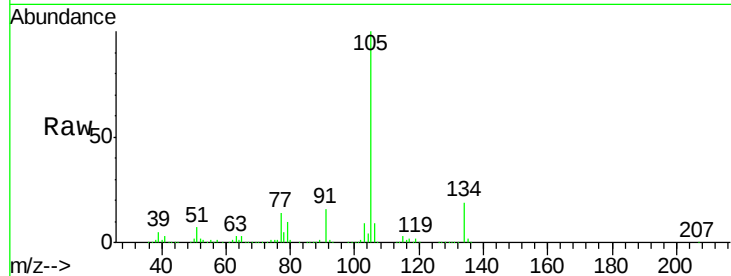
105 100

134 19.7 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 22.491 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

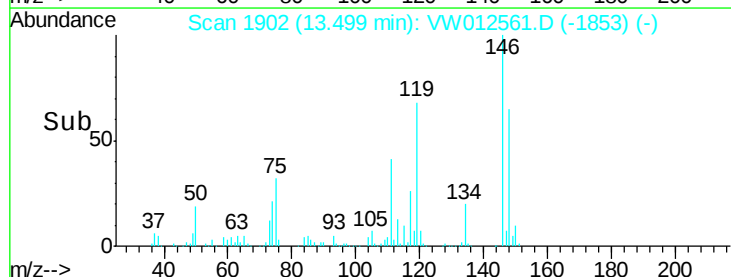
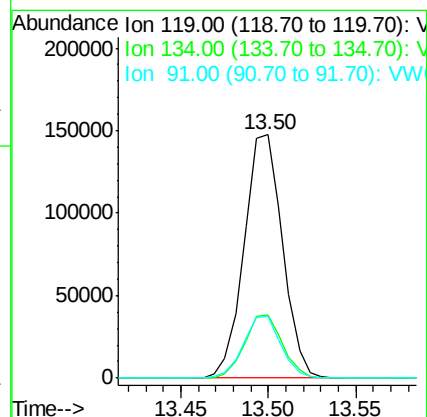
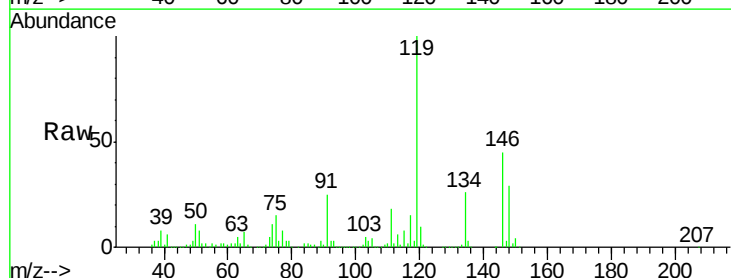
Tgt Ion:119 Resp: 225135

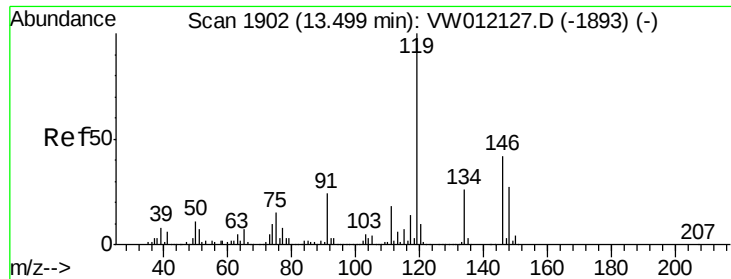
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 23.256 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

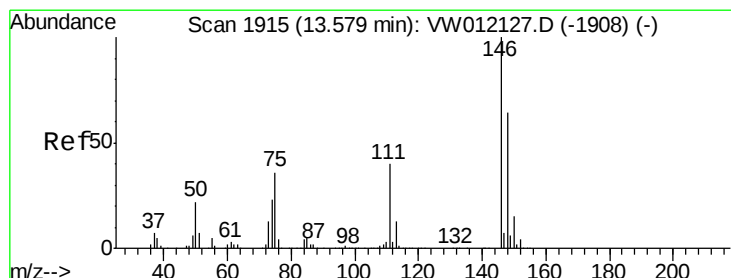
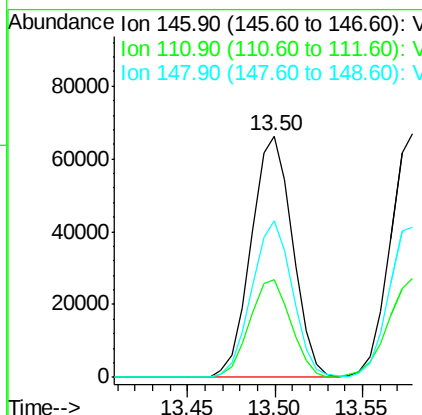
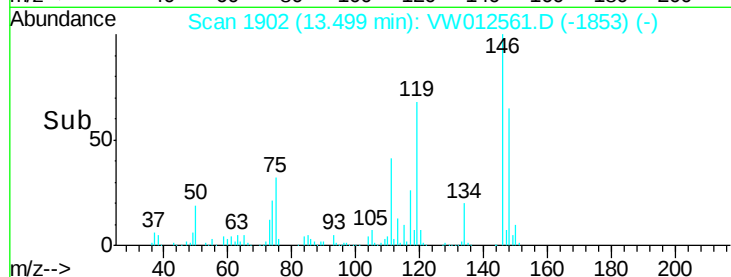
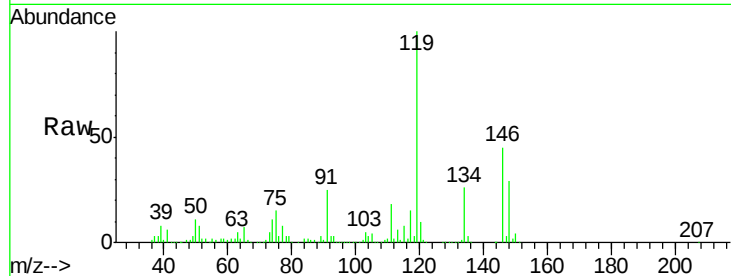
Instrument :
MSVOA_W

ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	108769		
111	40.8	20.9	62.7	
148	63.8	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 22.992 ug/l

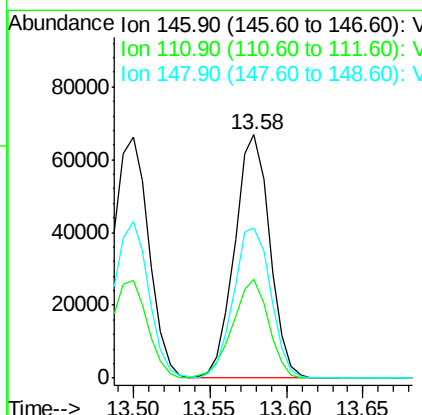
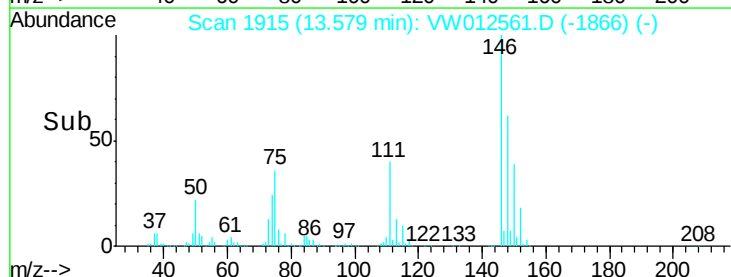
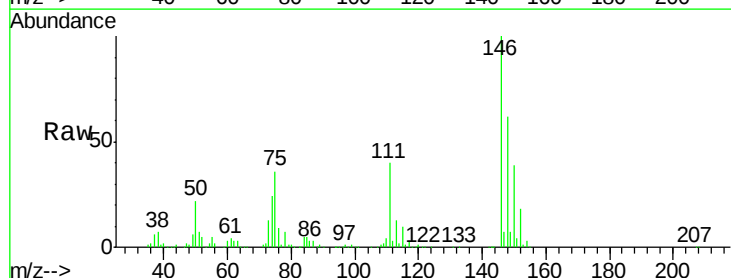
RT: 13.58 min Scan# 1915

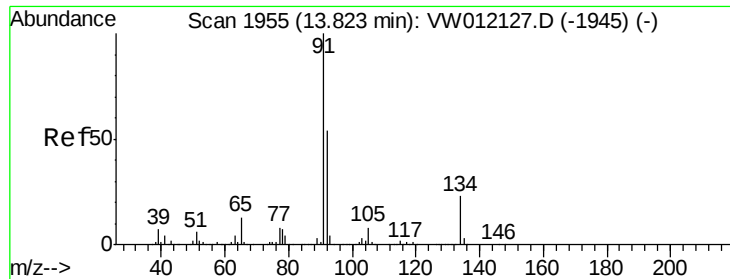
Delta R.T. 0.00 min

Lab File: VW012561.D

Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106774		
111	41.7	20.0	60.0	
148	65.5	32.1	96.3	





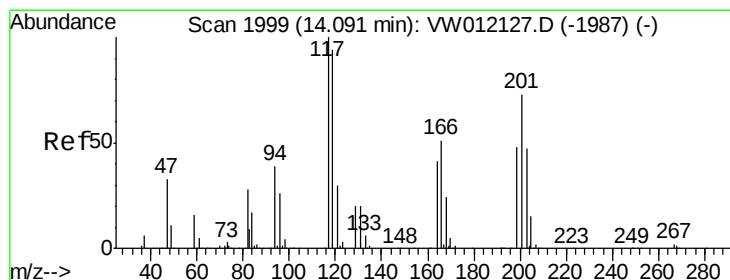
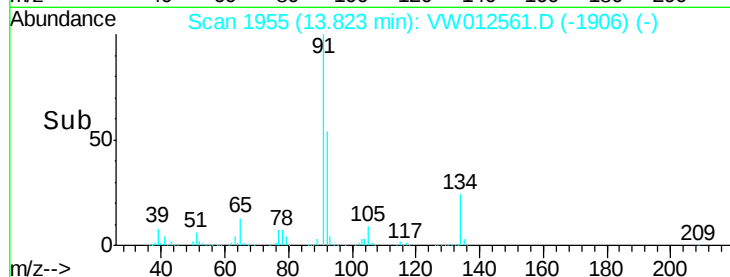
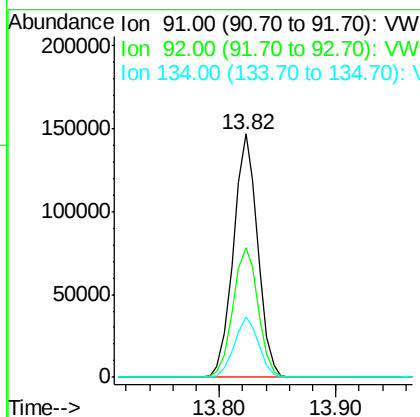
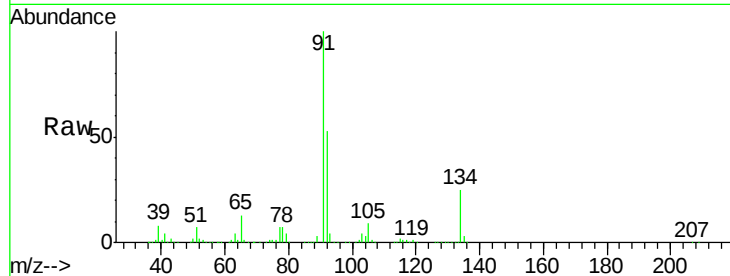
#89
n-Butylbenzene
Concen: 21.380 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	212822		
92	55.0		27.1	81.2
134	24.8		12.2	36.4

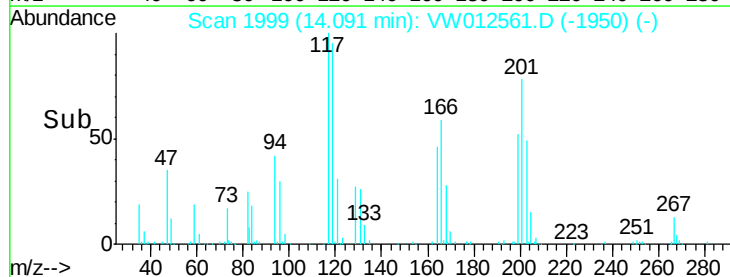
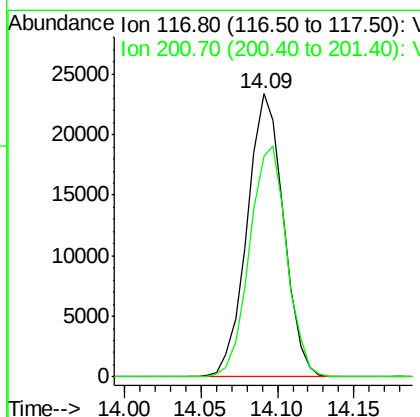
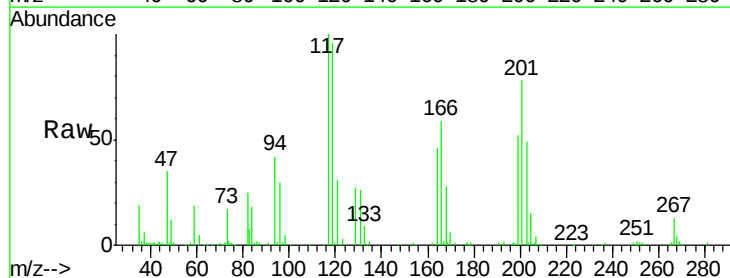
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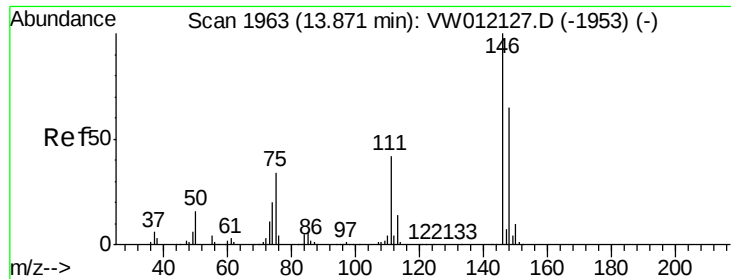
MMDadoda
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#90
Hexachloroethane
Concen: 22.099 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38810		
201	82.8		38.6	115.7





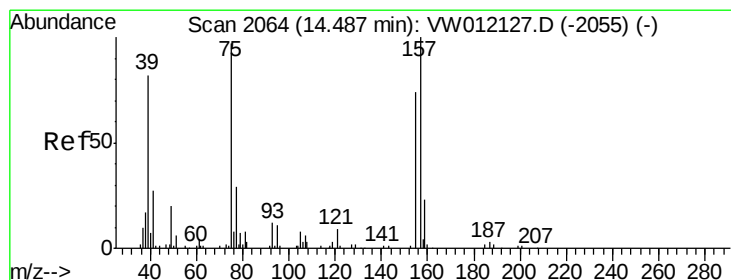
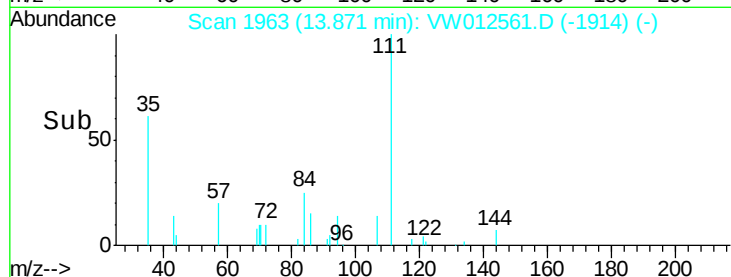
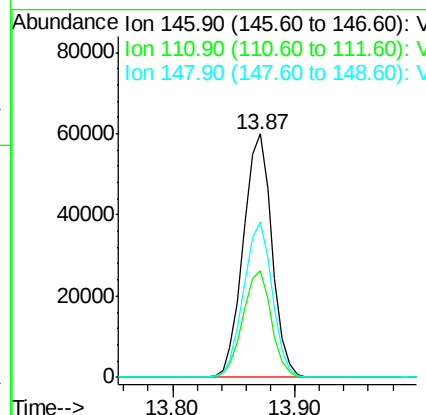
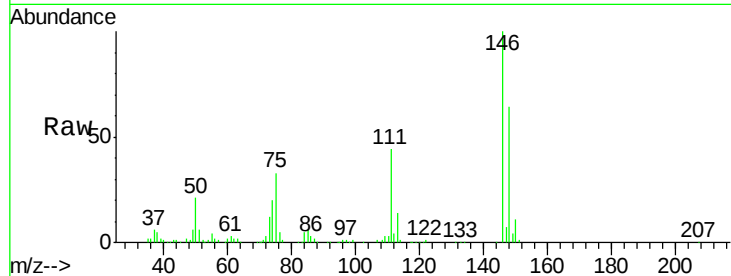
#91
 1,2-Dichlorobenzene
 Concen: 23.716 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.9	32.5	97.4

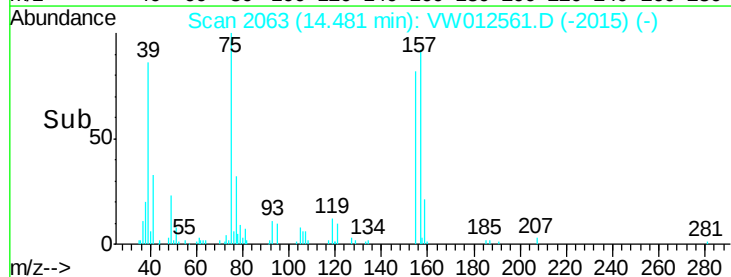
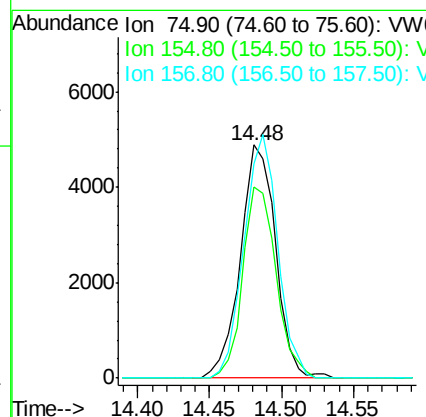
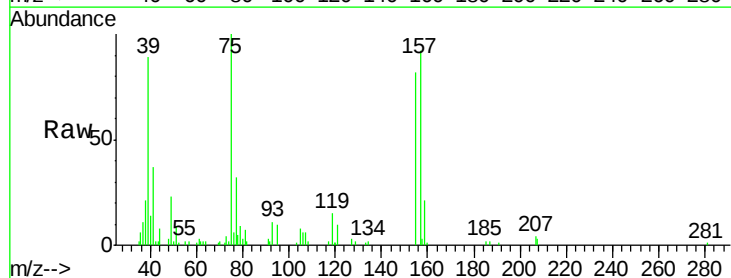
Manual Integrations
 APPROVED

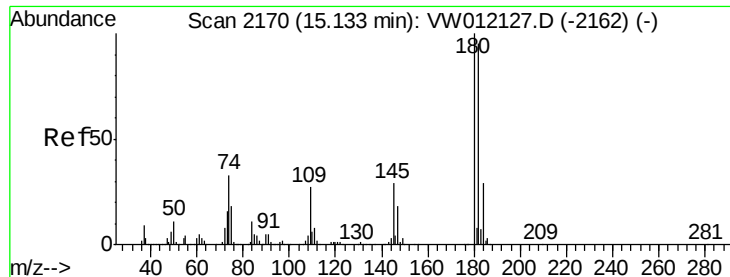
MMDadoda
 9/4/2019 9:34:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.297 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	37.5	112.3
157	99.7	50.5	151.5





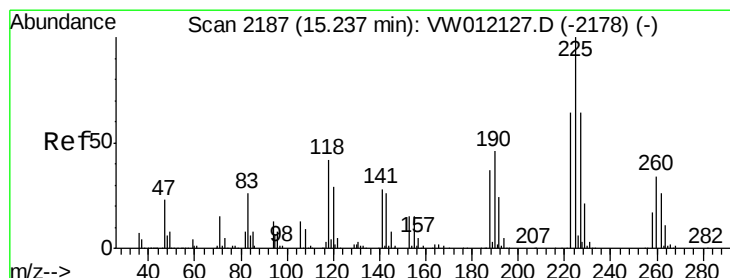
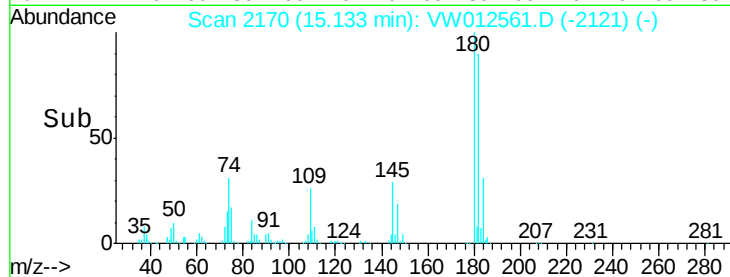
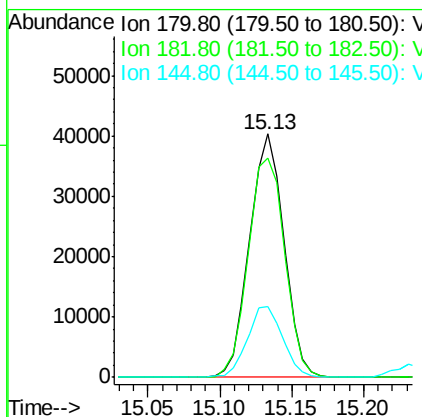
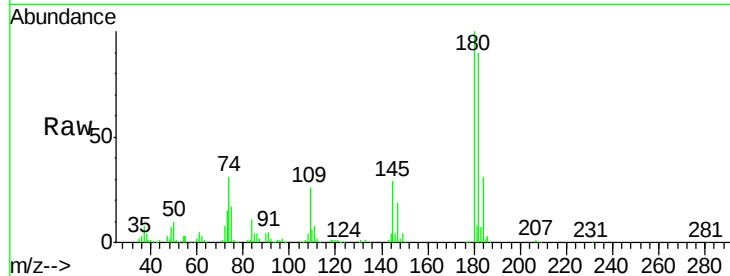
#93
 1,2,4-Trichlorobenzene
 Concen: 23.448 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66485		
182	96.0	47.8	143.4	
145	30.0	15.0	45.1	

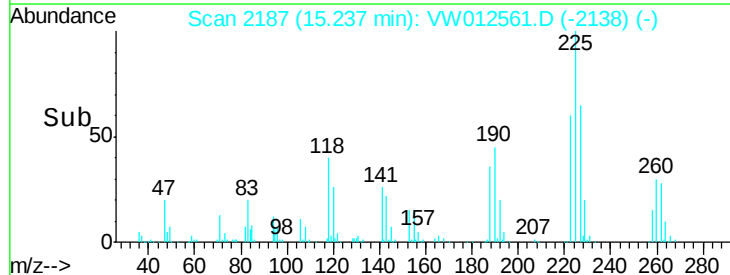
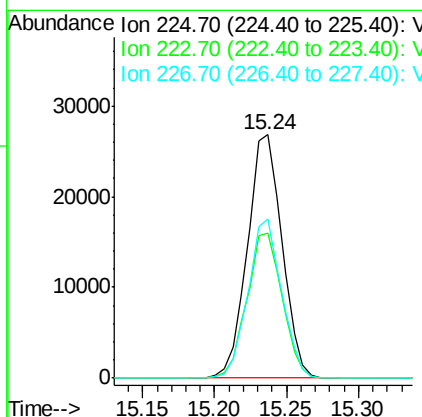
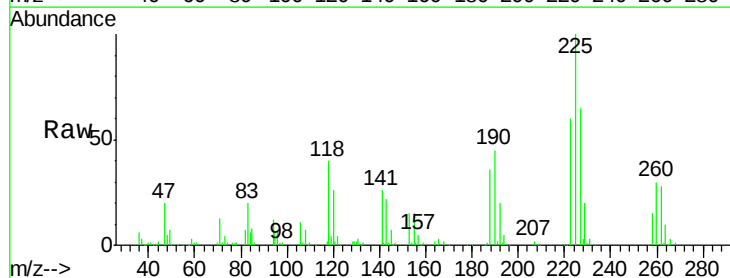
Manual Integrations
 APPROVED

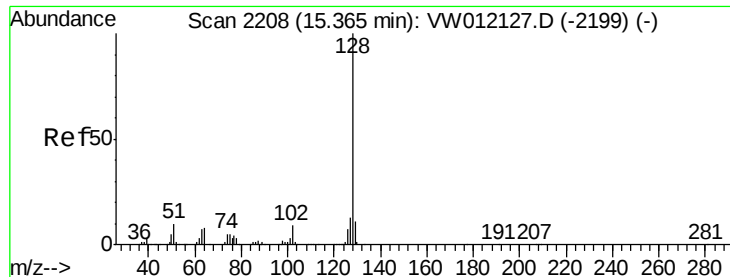
MMDadoda
 9/4/2019 9:34:34 AM



#94
 Hexachlorobutadiene
 Concen: 23.738 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012561.D
 Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44443		
223	60.6	32.3	96.8	
227	63.8	32.9	98.6	





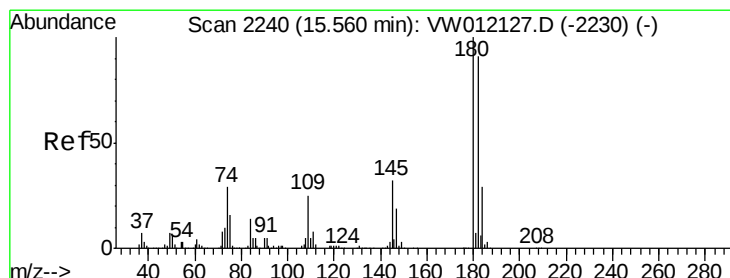
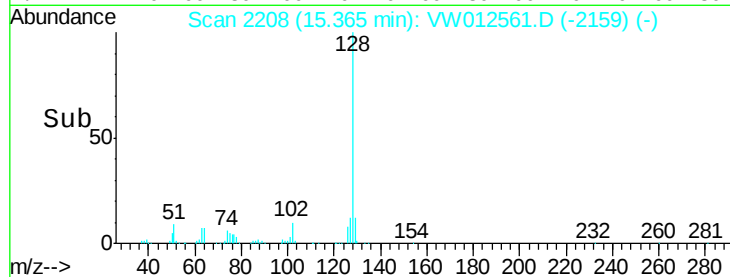
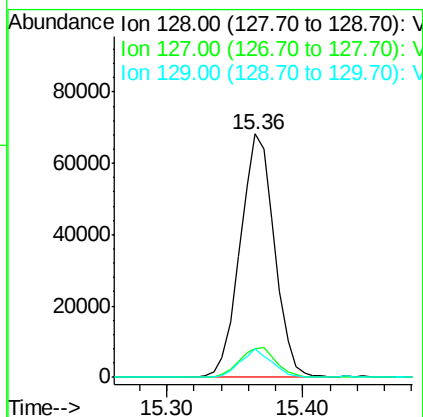
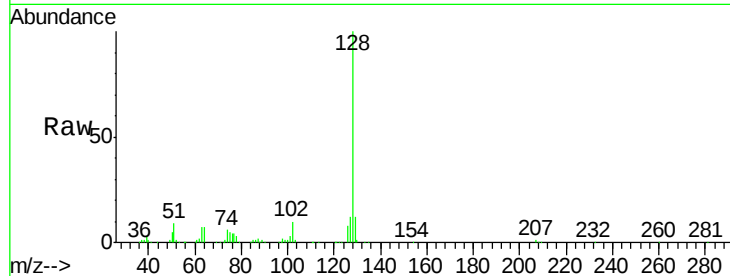
#95
Naphthalene
Concen: 23.994 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	119813		
127	13.1	10.7	16.1	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/4/2019 9:34:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 24.056 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012561.D
Acq: 03 Sep 2019 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59510		
182	94.4	47.1	141.3	
145	32.1	16.2	48.5	

