

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011932.D
 Acq On : 15 Aug 2019 17:00
 Operator : SY/VA
 Sample : VW0816SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:27:13 AM

Quant Time: Aug 15 17:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129834	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
35) Dibromofluoromethane	7.88	113	105602	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
50) Toluene-d8	10.32	98	424713	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.62	95	150678	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	27378	23.781	ug/l 97
3) Chloromethane	2.21	50	41630	20.854	ug/l 100
4) Vinyl Chloride	2.36	62	51556	21.452	ug/l 99
5) Bromomethane	2.76	94	24391	18.335	ug/l 92
6) Chloroethane	2.91	64	27452	19.996	ug/l 100
7) Trichlorofluoromethane	3.24	101	25119	23.386	ug/l 99
8) Diethyl Ether	3.68	74	25201	20.693	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44906	22.039	ug/l 98
10) Methyl Iodide	4.27	142	58589	20.347	ug/l 99
11) Tert butyl alcohol	5.18	59	14617	70.713	ug/l 97
12) 1,1-Dichloroethene	4.04	96	43084	20.027	ug/l 95
13) Acrolein	3.90	56	10879	63.920	ug/l 97
14) Allyl chloride	4.67	41	95897	20.958	ug/l 99
15) Acrylonitrile	5.37	53	60833	100.066	ug/l 98
16) Acetone	4.12	43	58972	78.158	ug/l 98
17) Carbon Disulfide	4.38	76	131992	19.603	ug/l 100
18) Methyl Acetate	4.67	43	33909	20.005	ug/l 97
19) Methyl tert-butyl Ether	5.42	73	69982	20.499	ug/l 100
20) Methylene Chloride	4.91	84	55685	21.399	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	49278	21.246	ug/l 97
22) Diisopropyl ether	6.31	45	183079	21.222	ug/l 99
23) Vinyl Acetate	6.26	43	545198	100.577	ug/l 99
24) 1,1-Dichloroethane	6.21	63	99478	21.531	ug/l 99
25) 2-Butanone	7.17	43	87035	88.153	ug/l 99
26) 2,2-Dichloropropane	7.16	77	54359	19.131	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	53607	21.000	ug/l 98
28) Bromochloromethane	7.51	49	46373	22.613	ug/l 99
29) Tetrahydrofuran	7.53	42	55878	99.011	ug/l 100
30) Chloroform	7.68	83	92217	21.634	ug/l 99
31) Cyclohexane	7.95	56	93130	20.999	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	70992	21.869	ug/l 99
36) 1,1-Dichloropropene	8.09	75	74620	21.529	ug/l 99
37) Ethyl Acetate	7.25	43	38669	19.391	ug/l 98
38) Carbon Tetrachloride	8.07	117	64984	21.901	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81691	21.404	ug/l	98
40) Benzene	8.32	78	208736	21.500	ug/l	99
41) Methacrylonitrile	7.48	41	24847	20.844	ug/l	95
42) 1,2-Dichloroethane	8.40	62	66062	21.733	ug/l	99
43) Isopropyl Acetate	8.43	43	72266	19.705	ug/l	100
44) Trichloroethene	9.09	130	50202	21.514	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56236	21.648	ug/l	99
46) Dibromomethane	9.46	93	24872	20.977	ug/l	99
47) Bromodichloromethane	9.65	83	66053	21.238	ug/l	99
48) Methyl methacrylate	9.44	41	34947	19.837	ug/l	99
49) 1,4-Dioxane	9.45	88	6708	390.738	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	186380	97.705	ug/l	99
52) Toluene	10.39	92	126572	21.588	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65464	20.150	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	78637	20.357	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	35506	21.106	ug/l	98
56) Ethyl methacrylate	10.65	69	48256	19.603	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66683	20.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	129344	115.723	ug/l	99
59) 2-Hexanone	10.97	43	129136	95.878	ug/l	99
60) Dibromochloromethane	11.13	129	38199	20.456	ug/l	100
61) 1,2-Dibromoethane	11.24	107	32601	20.478	ug/l	99
64) Tetrachloroethene	10.86	164	41382	21.721	ug/l	97
65) Chlorobenzene	11.66	112	125419	21.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43430	21.195	ug/l	100
67) Ethyl Benzene	11.73	91	240847	21.497	ug/l	99
68) m/p-Xylenes	11.84	106	175683	43.118	ug/l	100
69) o-Xylene	12.16	106	80266	21.200	ug/l	97
70) Styrene	12.18	104	141028	21.543	ug/l	99
71) Bromoform	12.35	173	20728	19.840	ug/l	# 97
73) Isopropylbenzene	12.46	105	224528	21.039	ug/l	99
74) N-amyl acetate	12.27	43	65878	19.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41073	20.461	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34798m	22.990	ug/l	
77) Bromobenzene	12.75	156	49166	20.843	ug/l	99
78) n-propylbenzene	12.80	91	277059	21.332	ug/l	100
79) 2-Chlorotoluene	12.89	91	158363	21.165	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	191869	21.448	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12392	18.868	ug/l	94
82) 4-Chlorotoluene	12.99	91	166390	21.195	ug/l	100
83) tert-Butylbenzene	13.21	119	160066	21.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	193387	21.460	ug/l	98
85) sec-Butylbenzene	13.38	105	229714	21.520	ug/l	100
86) p-Isopropyltoluene	13.50	119	208359	21.514	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	97891	21.165	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96458	20.965	ug/l	98
89) n-Butylbenzene	13.82	91	205777	21.291	ug/l	99
90) Hexachloroethane	14.09	117	36321	21.209	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	86276	21.091	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6960	20.332	ug/l	94

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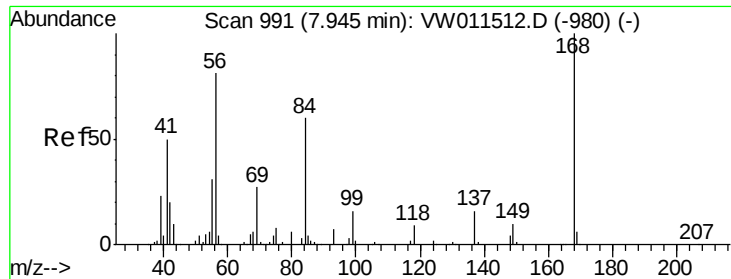
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59612	20.677	ug/l	99
94) Hexachlorobutadiene	15.24	225	39194	21.800	ug/l	99
95) Naphthalene	15.37	128	97644	18.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	50906	20.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

VW0816SBS01

Tot Ion:168 Resp: 206570

Ion Ratio Lower Upper

168 100

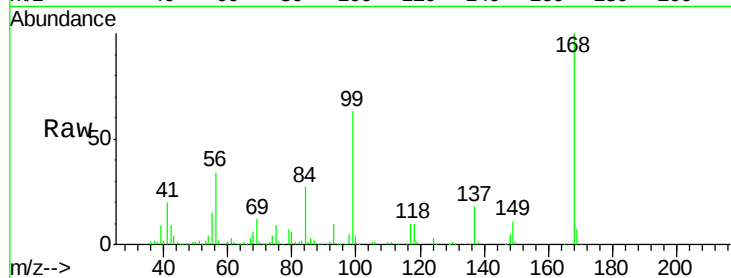
99 63.2 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

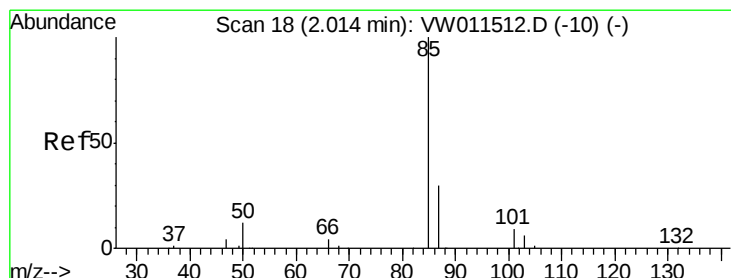
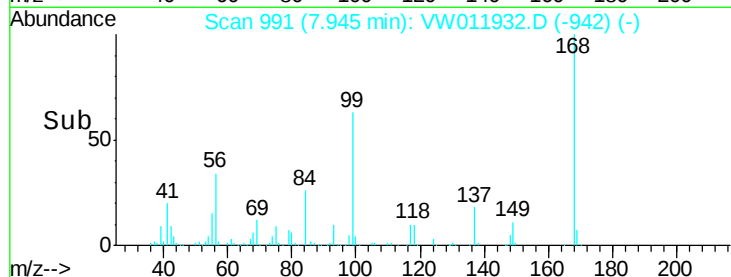
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.781 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011932.D

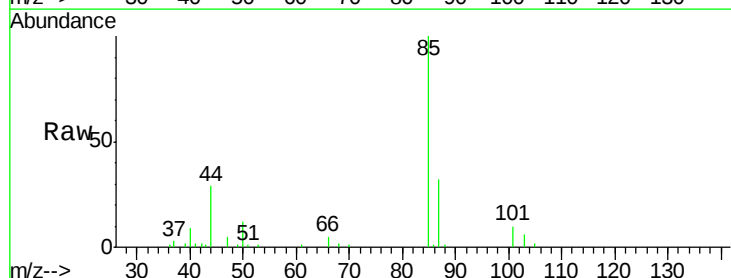
Acq: 15 Aug 2019 17:00

Tgt Ion: 85 Resp: 27378

Ion Ratio Lower Upper

85 100

87 32.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

0

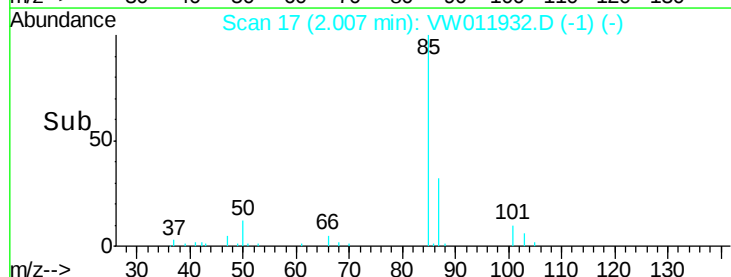
1.90

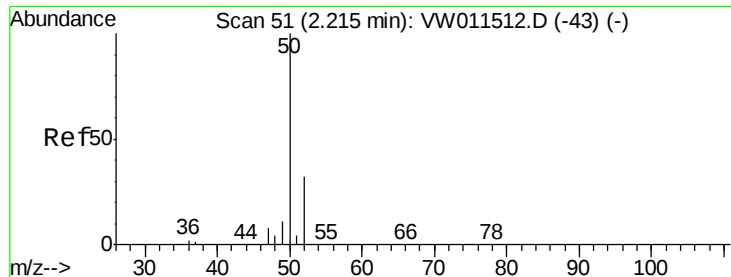
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 20.854 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 50 Resp: 41630

Ion Ratio Lower Upper

50 100

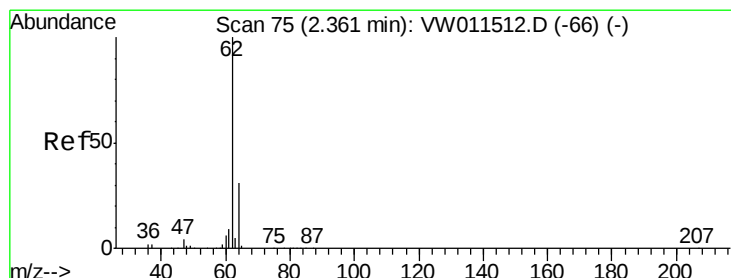
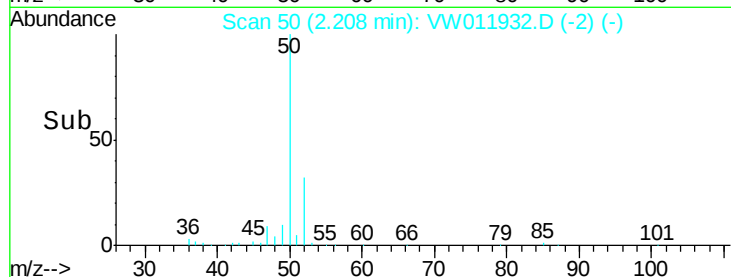
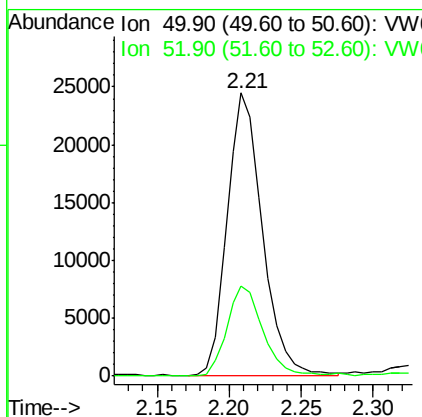
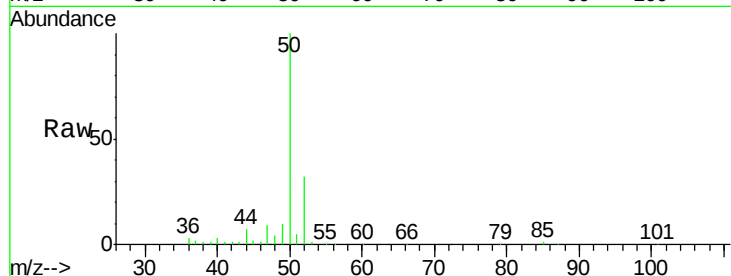
52 32.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.452 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011932.D

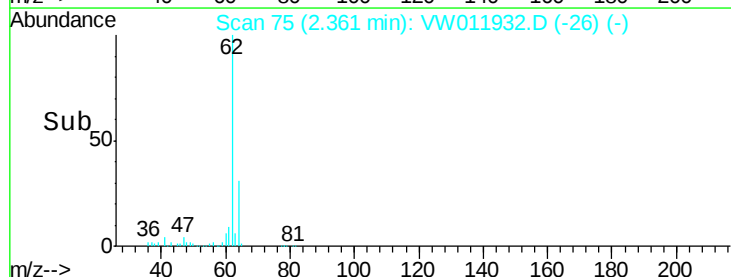
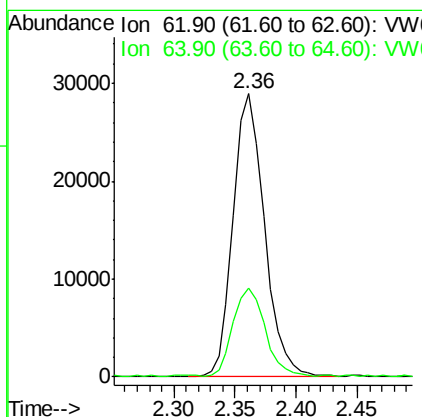
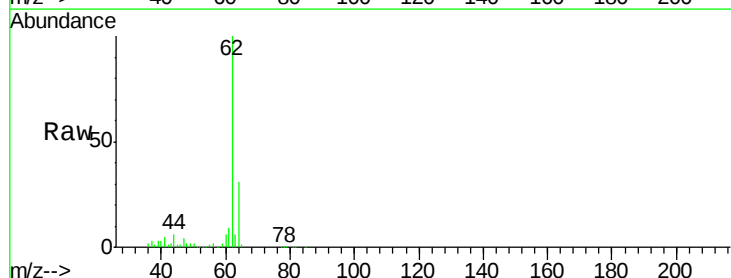
Acq: 15 Aug 2019 17:00

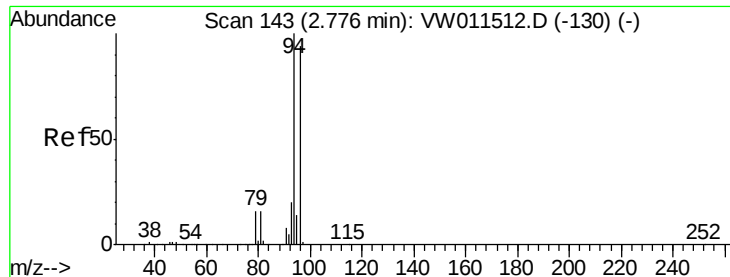
Tgt Ion: 62 Resp: 51556

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 18.335 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 94 Resp: 24391

Ion Ratio Lower Upper

94 100

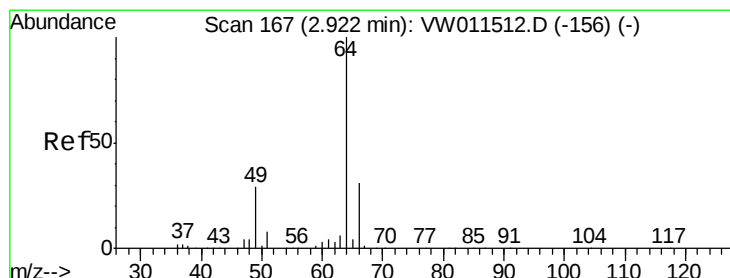
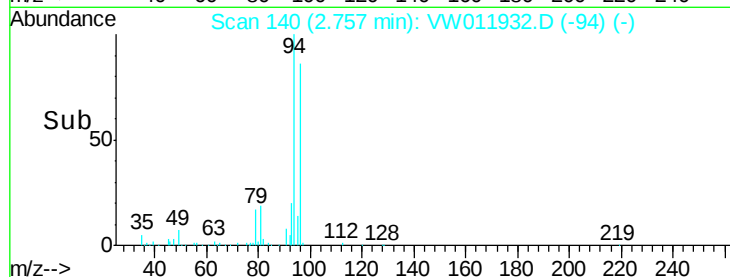
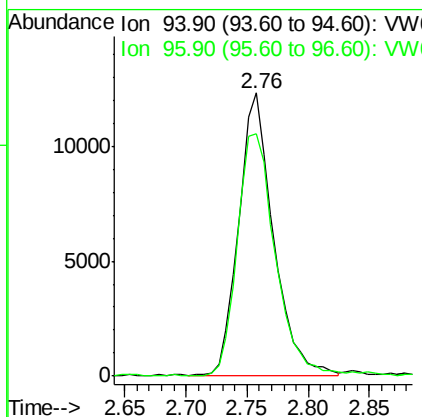
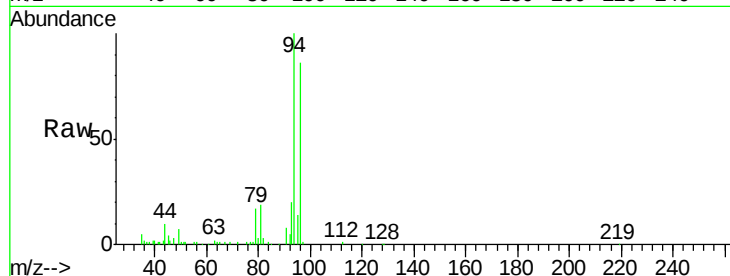
96 85.9 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 19.996 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011932.D

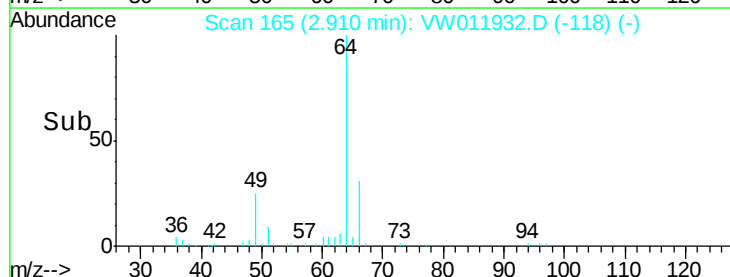
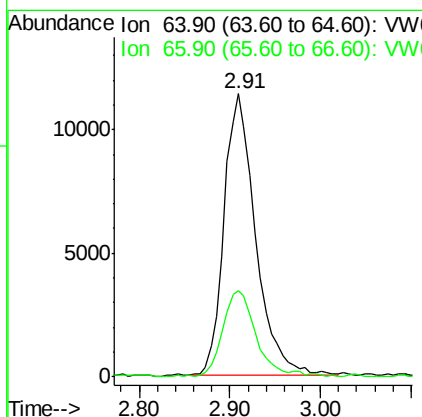
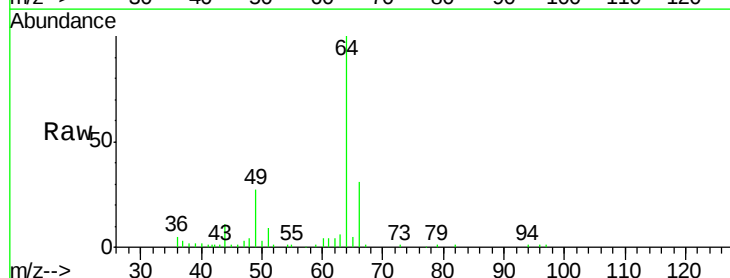
Acq: 15 Aug 2019 17:00

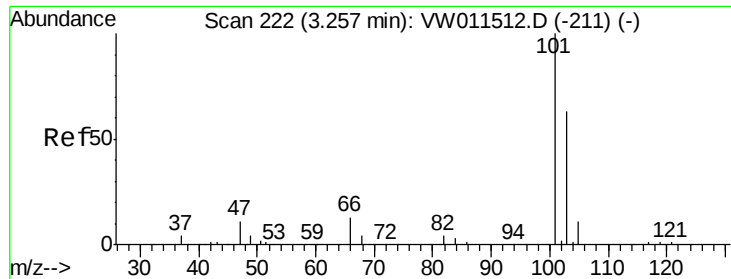
Tgt Ion: 64 Resp: 27452

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8





#7

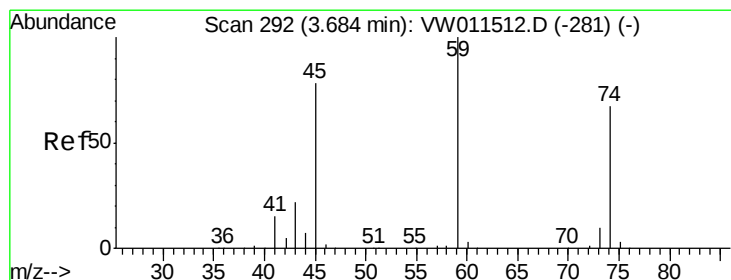
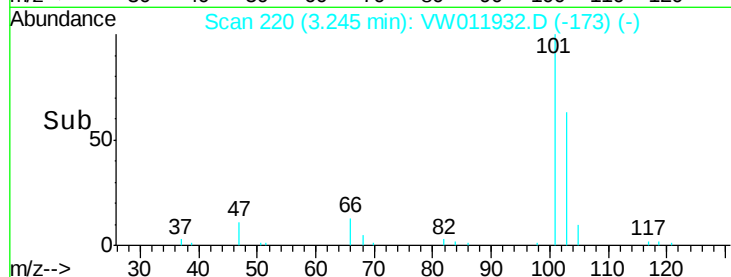
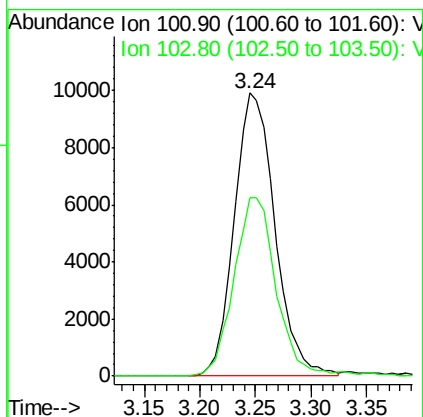
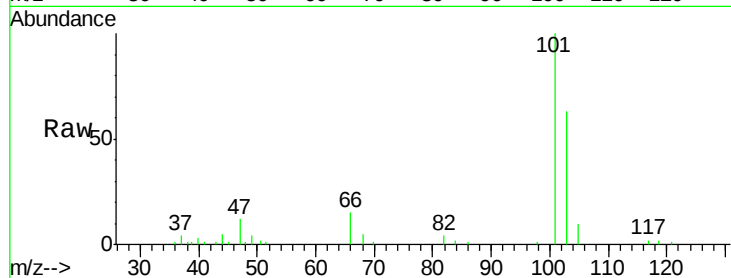
Trichlorofluoromethane
 Concen: 23.386 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
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 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.2	75.4

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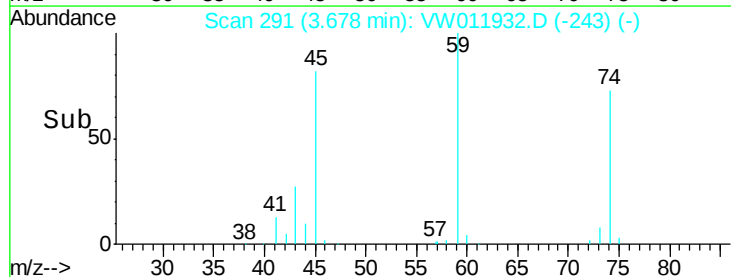
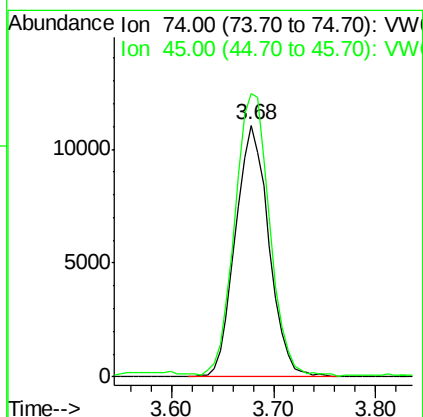
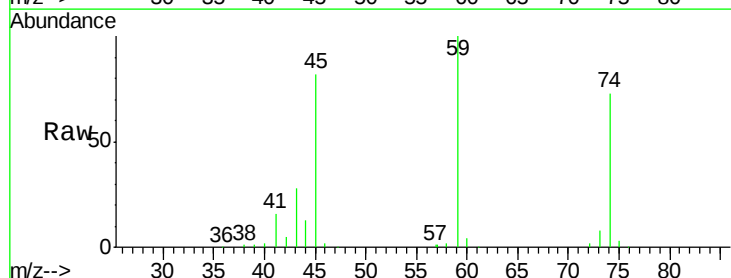
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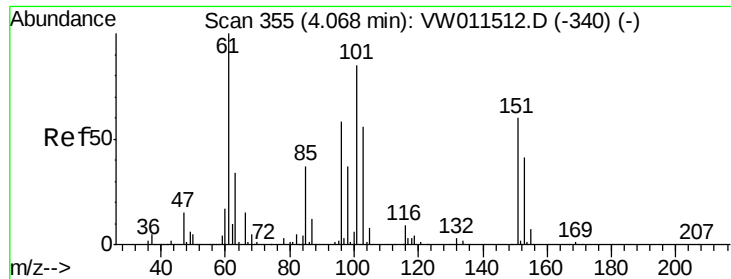


#8

Diethyl Ether
 Concen: 20.693 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.2	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.039 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

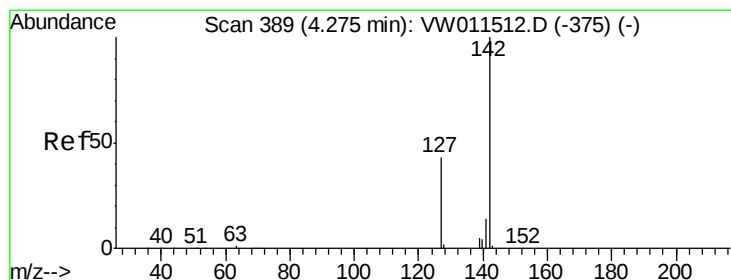
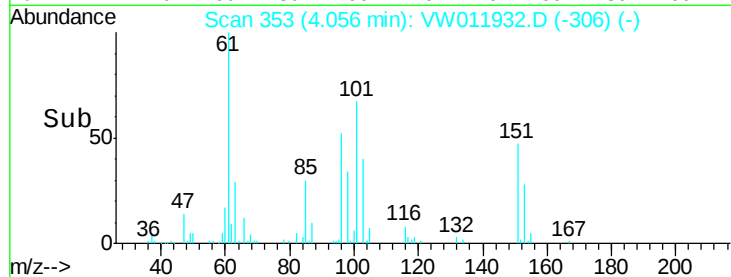
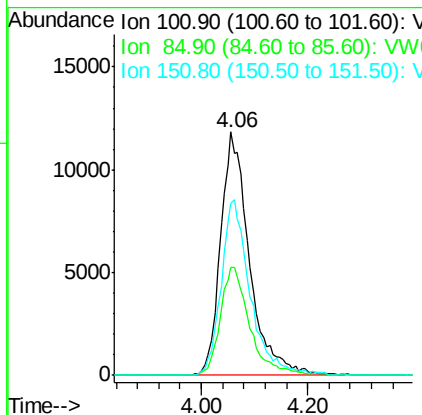
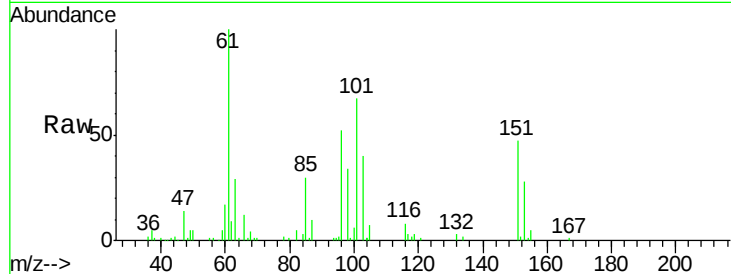
ClientSampleId :

VW0816SBS01

Tot Ion:	101	Resp:	44906
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	72.5	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.347 ug/l

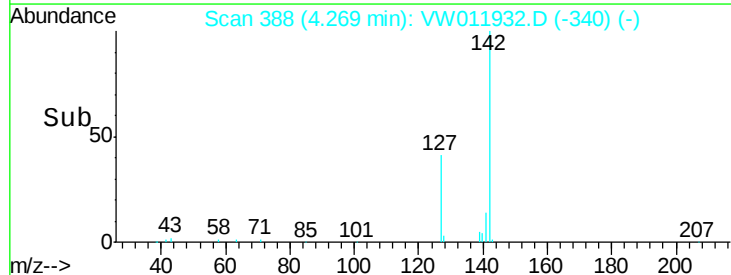
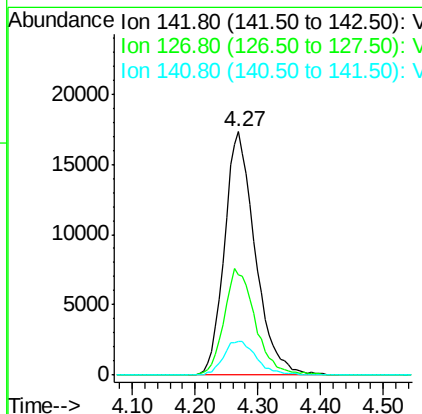
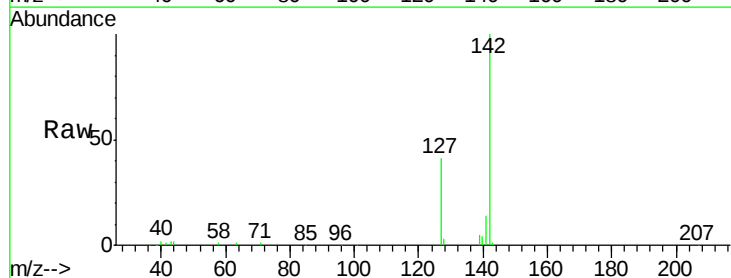
RT: 4.27 min Scan# 388

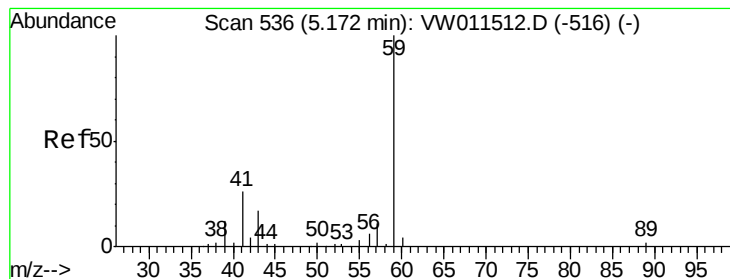
Delta R.T. -0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion:	142	Resp:	58589
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.0	52.6
141	14.9	11.9	17.9





#11

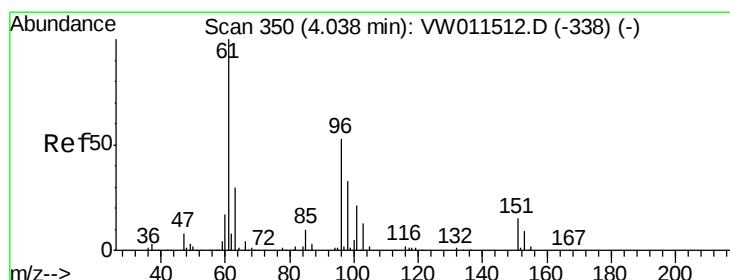
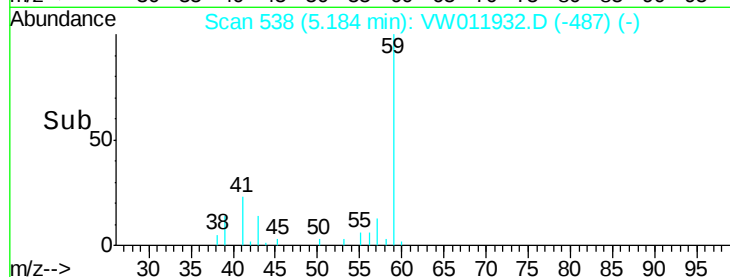
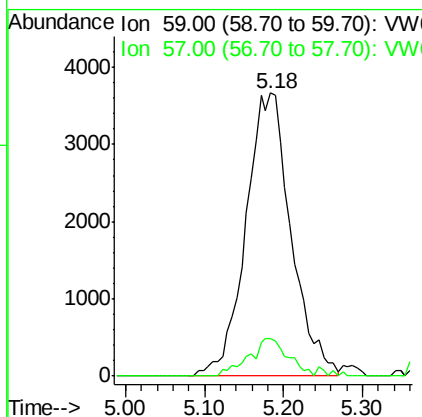
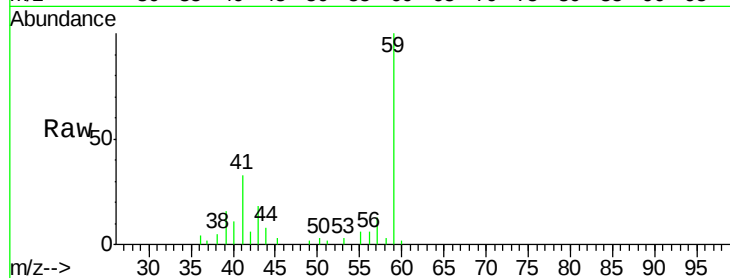
Tert butyl alcohol
 Concen: 70.713 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.5	12.7

Manual Integrations
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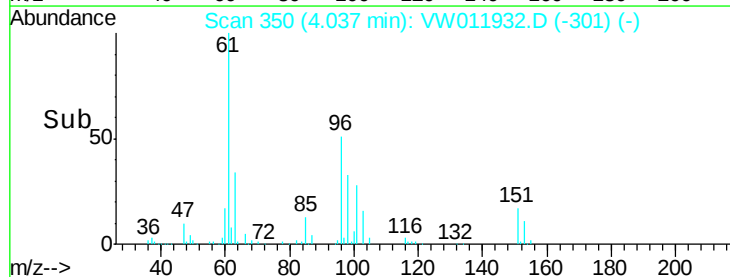
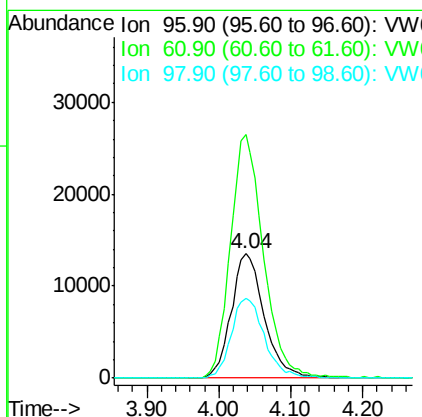
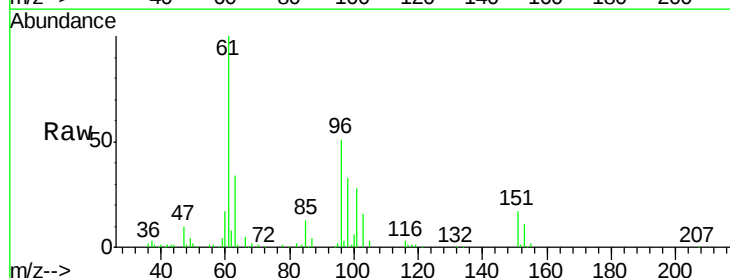
MMDadoda
 8/16/2019 8:27:13 AM

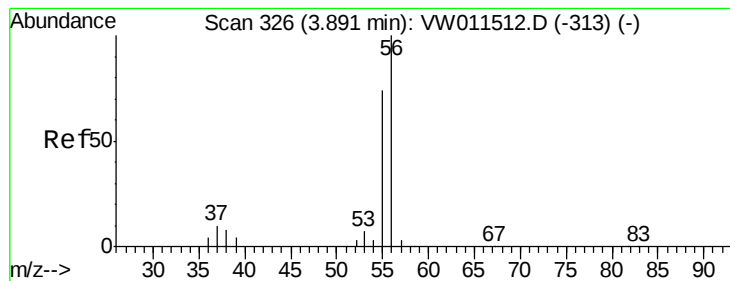


#12

1,1-Dichloroethene
 Concen: 20.027 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.8	149.9	224.9
98	64.0	49.1	73.7





#13

Acrolein

Concen: 63.920 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 56 Resp: 10879

Ion Ratio Lower Upper

56 100

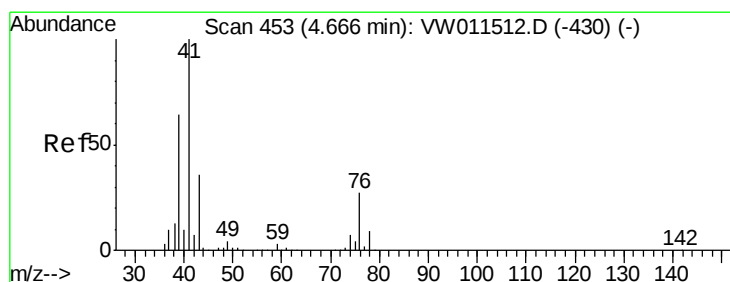
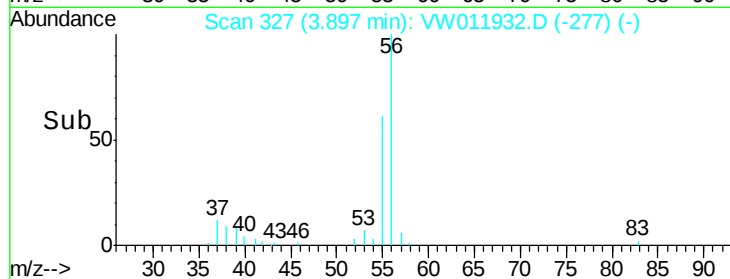
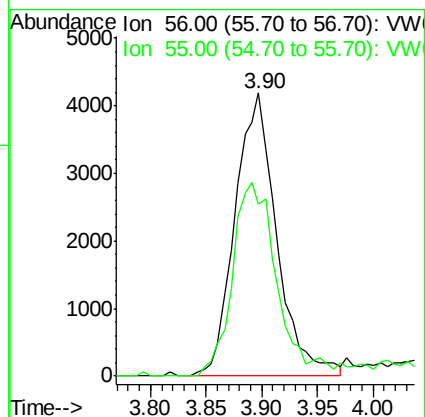
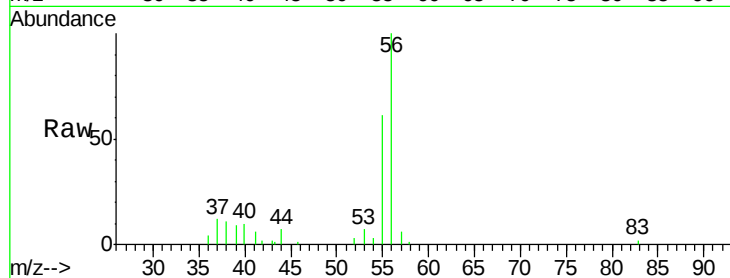
55 72.5 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.958 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

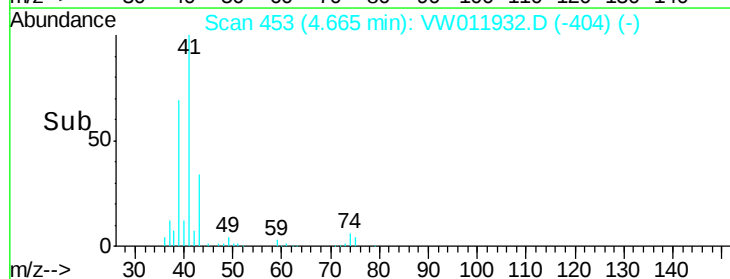
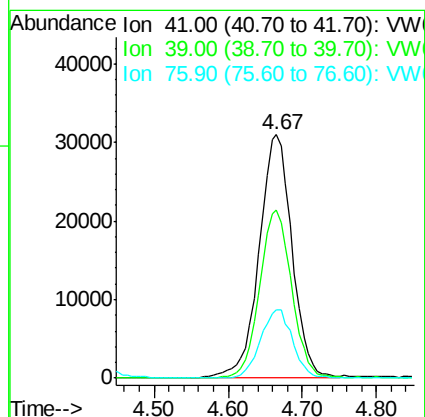
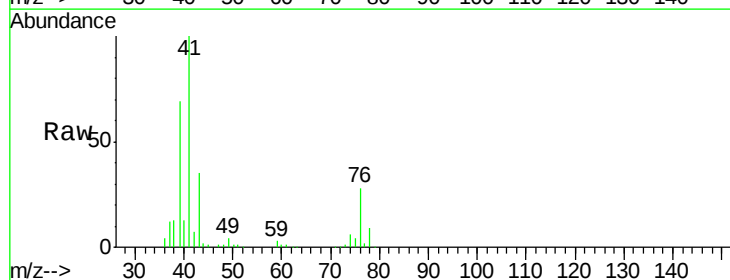
Tgt Ion: 41 Resp: 95897

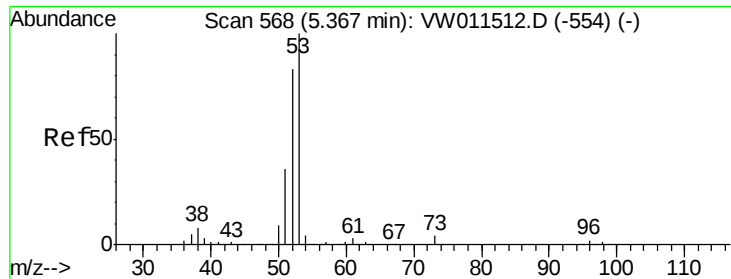
Ion Ratio Lower Upper

41 100

39 67.2 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 100.066 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

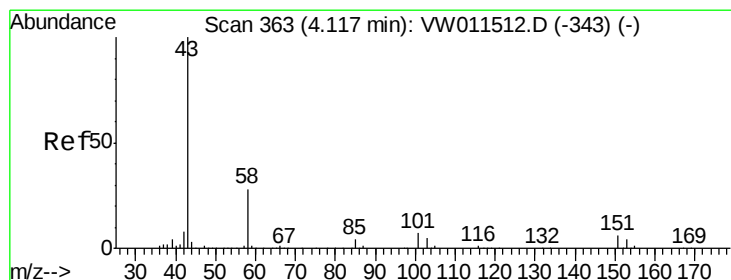
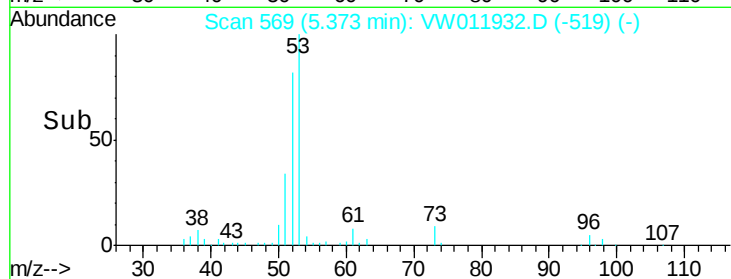
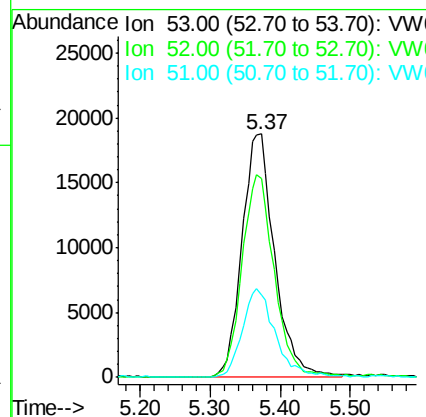
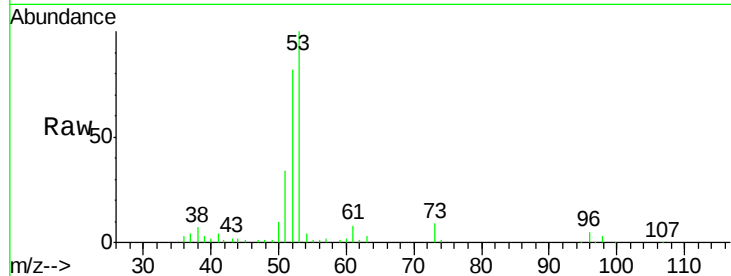
ClientSampleId :

VW0816SBS01

Tot Ion:	53	Resp:	60833
Ion Ratio	Lower	Upper	
53	100		
52	82.0	67.2	100.8
51	36.9	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 78.158 ug/l

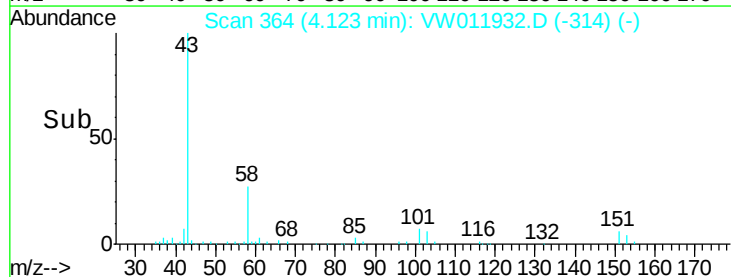
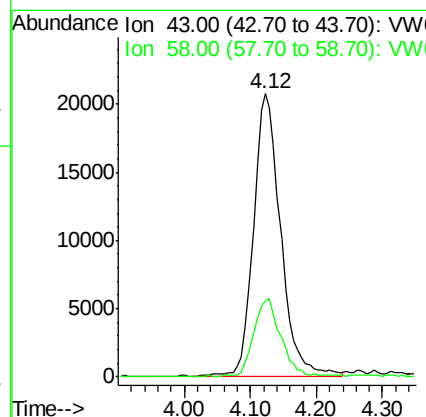
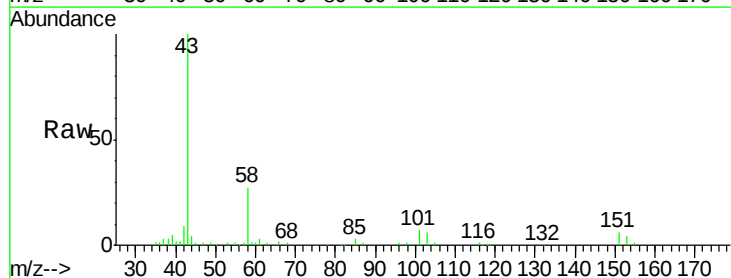
RT: 4.12 min Scan# 364

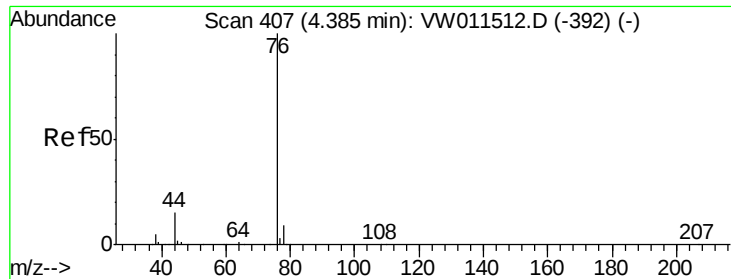
Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion:	43	Resp:	58972
Ion Ratio	Lower	Upper	
43	100		
58	26.6	22.3	33.5





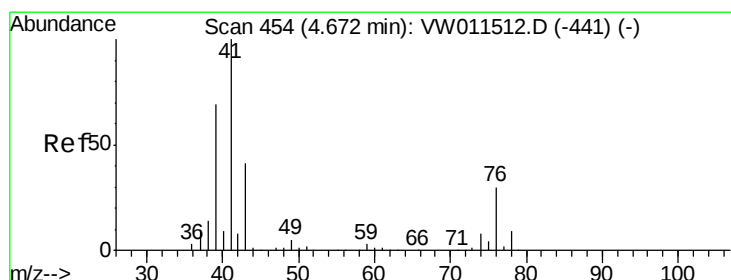
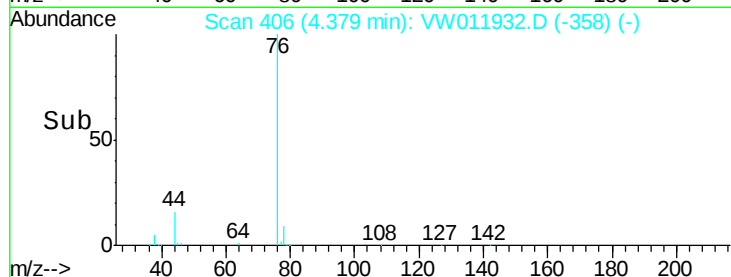
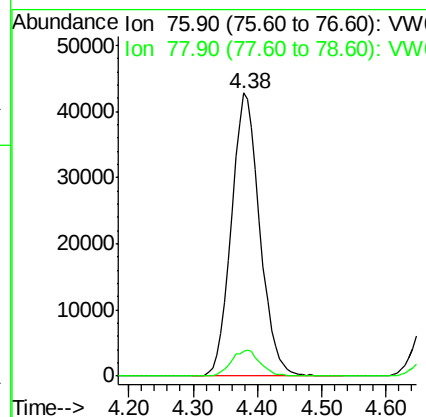
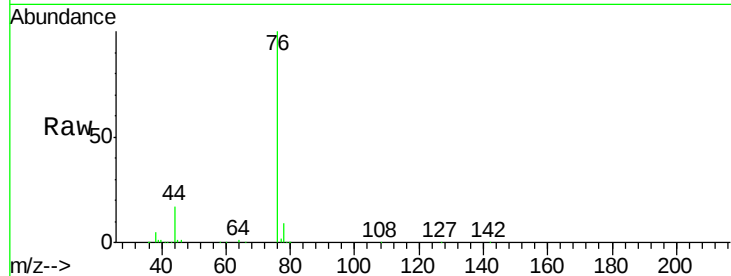
#17
Carbon Disulfide
Concen: 19.603 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

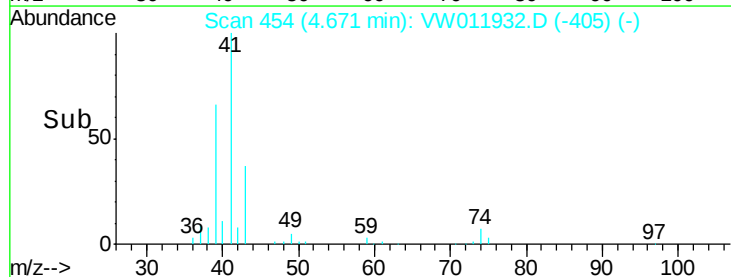
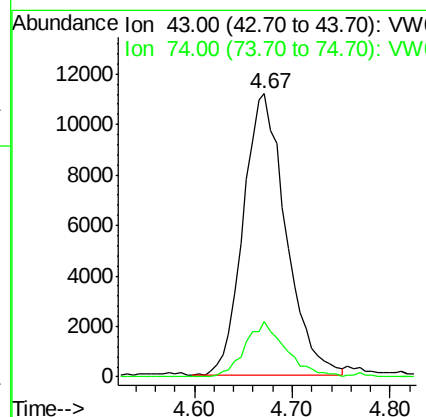
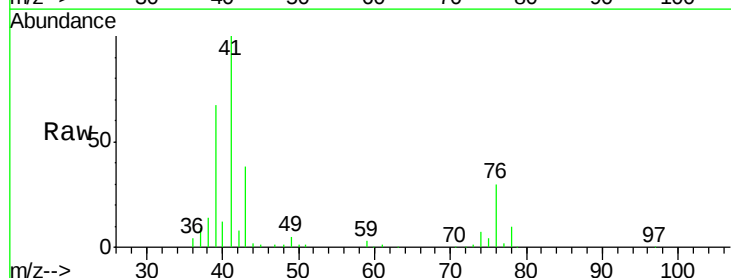
Manual Integrations
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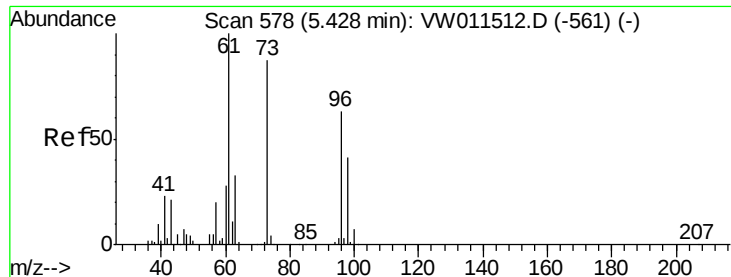
MMDadoda
8/16/2019 8:27:13 AM



#18
Methyl Acetate
Concen: 20.005 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	15.9	23.9





#19

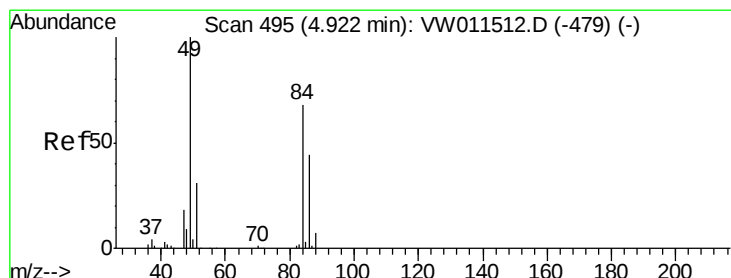
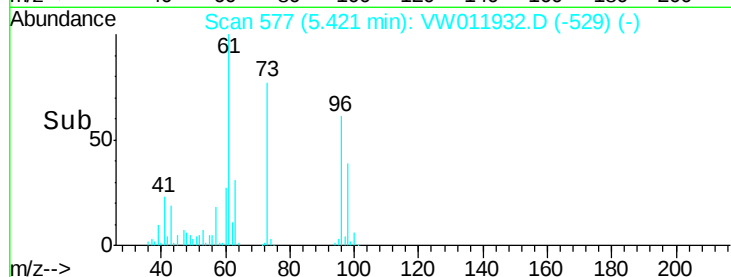
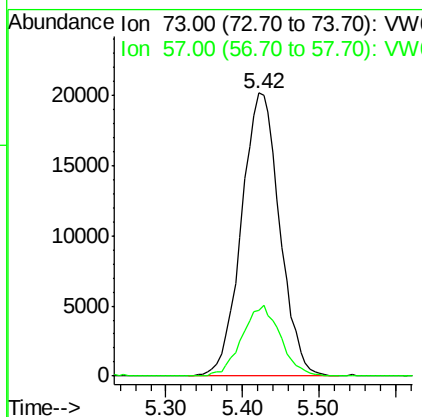
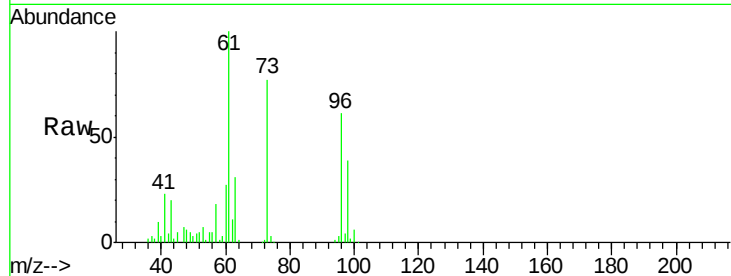
Methyl tert-butyl Ether
 Concen: 20.499 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.4	27.6

Manual Integrations
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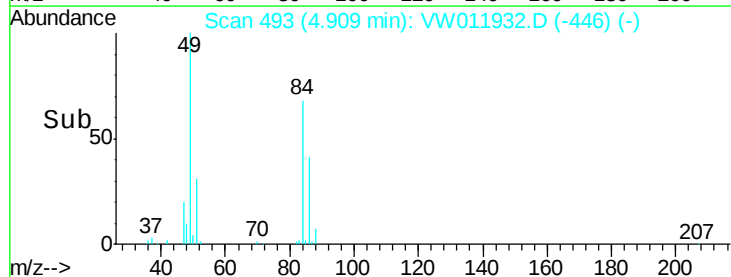
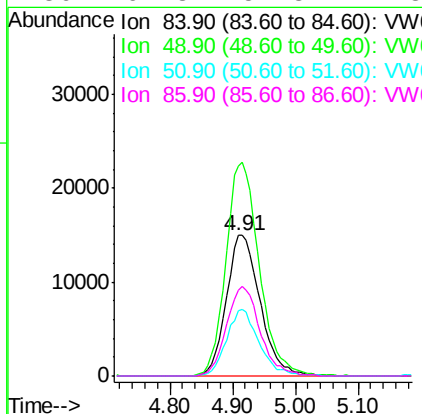
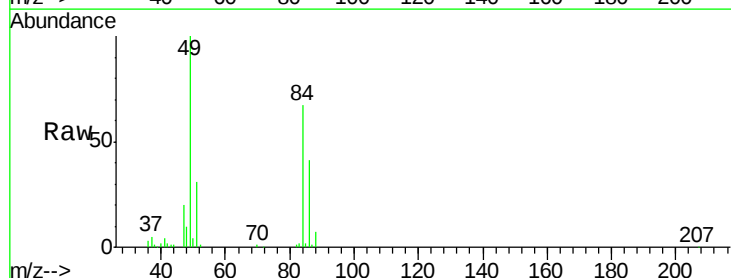
MMDadoda
 8/16/2019 8:27:13 AM

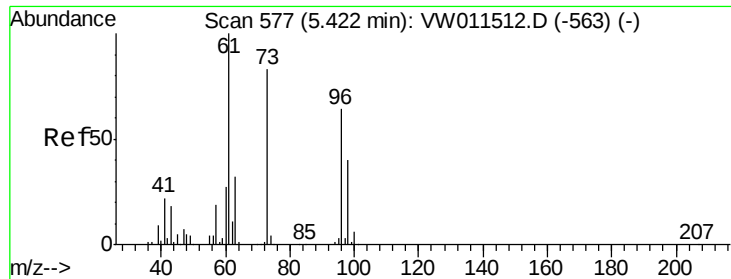


#20

Methylene Chloride
 Concen: 21.399 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.5	117.8	176.6
51	46.9	37.0	55.4
86	61.3	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 21.246 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 96 Resp: 49278

Ion Ratio Lower Upper

96 100

61 162.7 125.7 188.5

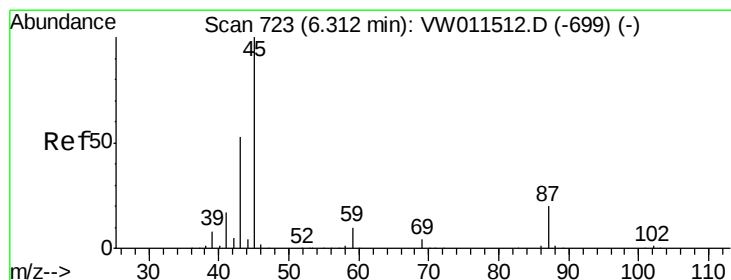
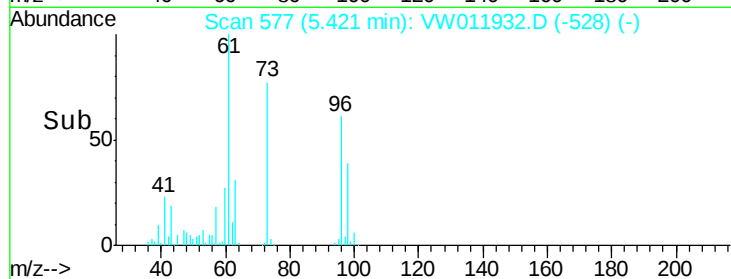
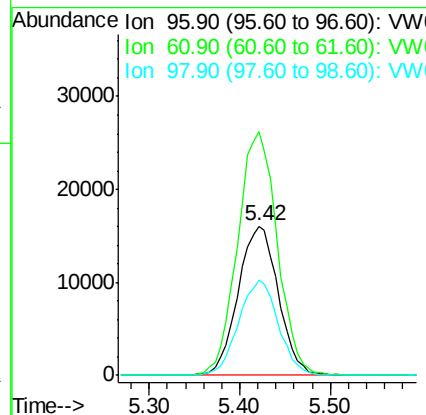
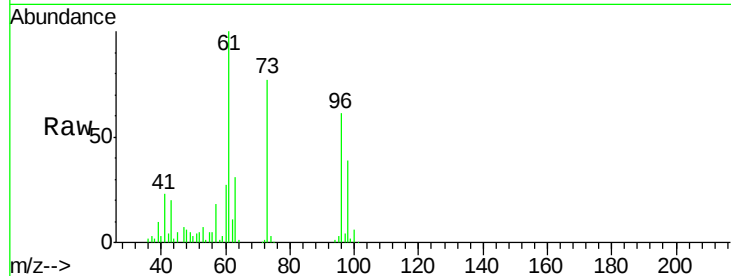
98 63.6 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.222 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion: 45 Resp: 183079

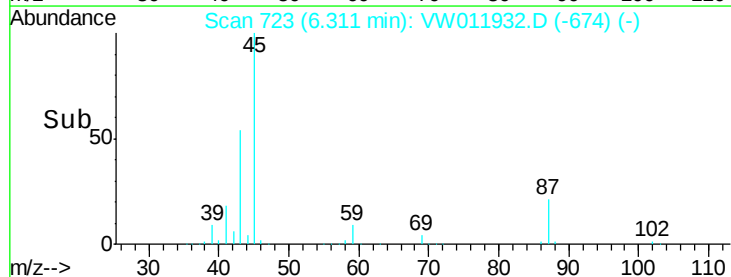
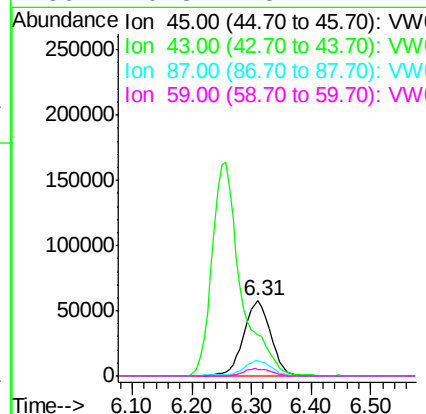
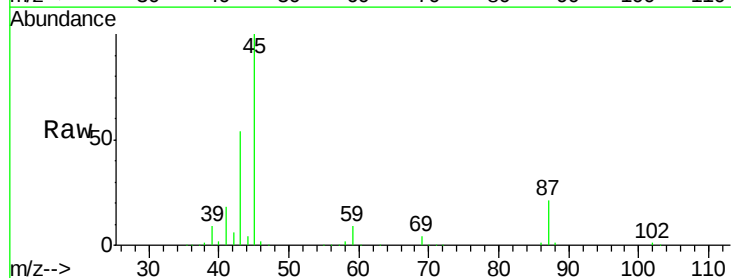
Ion Ratio Lower Upper

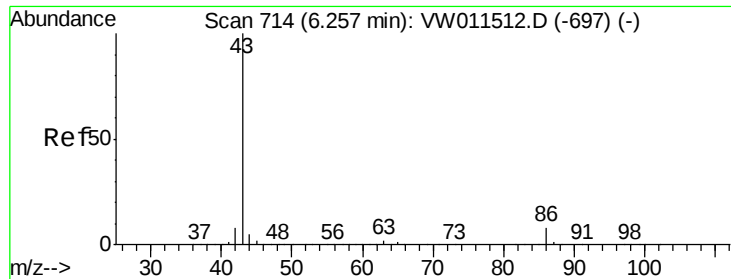
45 100

43 53.0 42.6 63.8

87 21.0 16.4 24.6

59 9.3 8.2 12.2





#23

Vinyl Acetate

Concen: 100.577 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 43 Resp: 545198

Ion Ratio Lower Upper

43 100

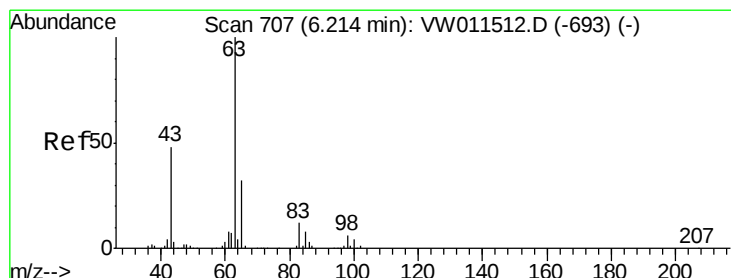
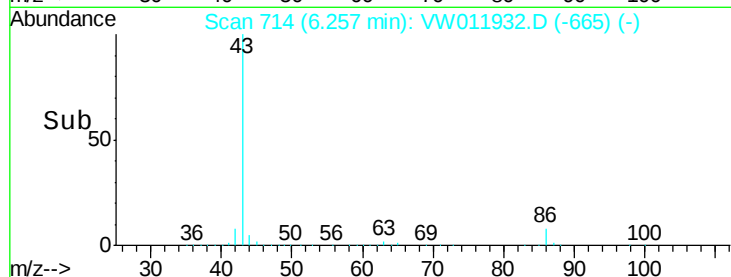
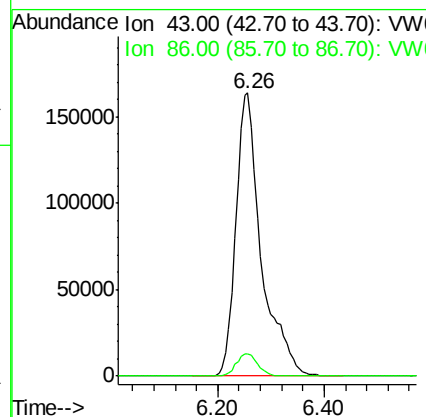
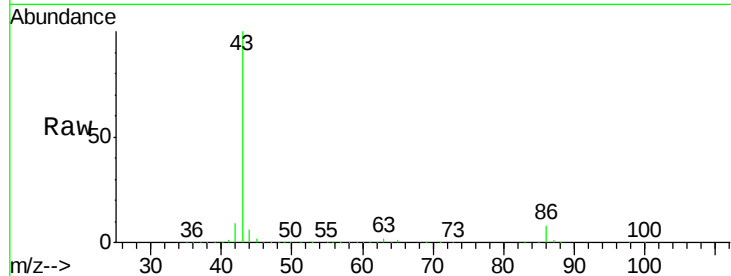
86 7.9 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.531 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

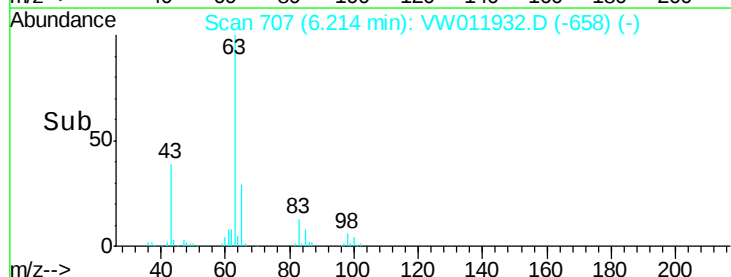
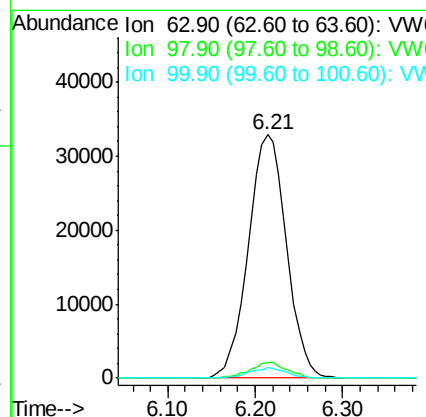
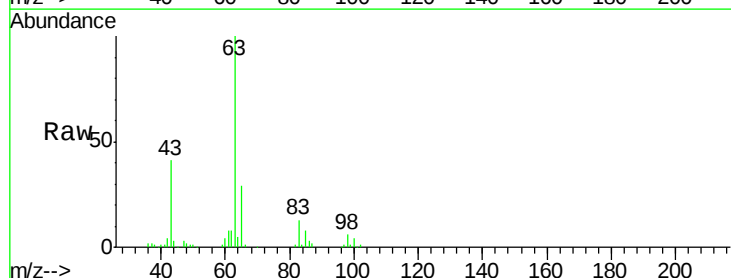
Tgt Ion: 63 Resp: 99478

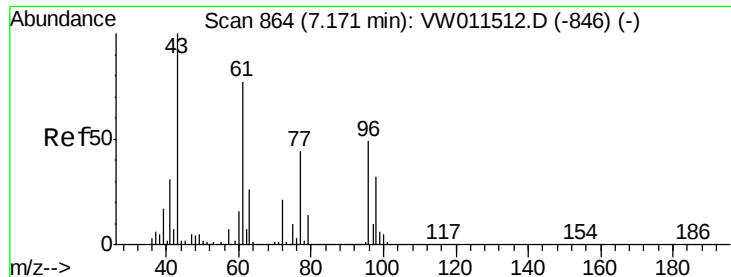
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 88.153 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 43 Resp: 87035

Ion Ratio Lower Upper

43 100

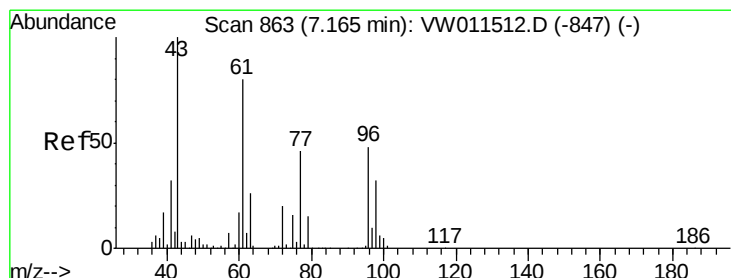
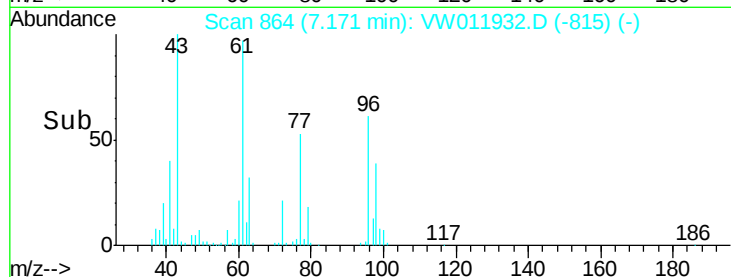
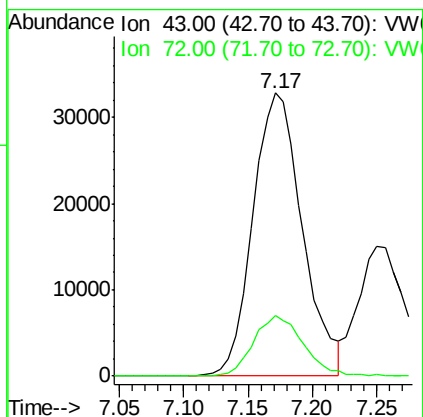
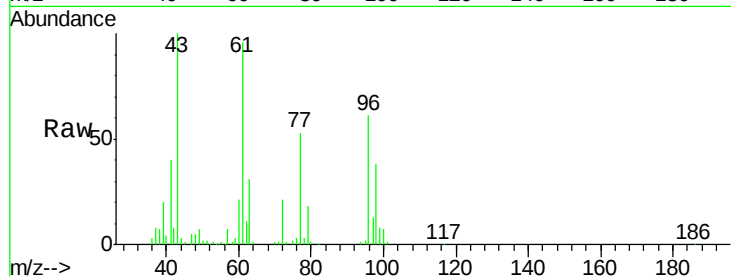
72 21.3 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.131 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011932.D

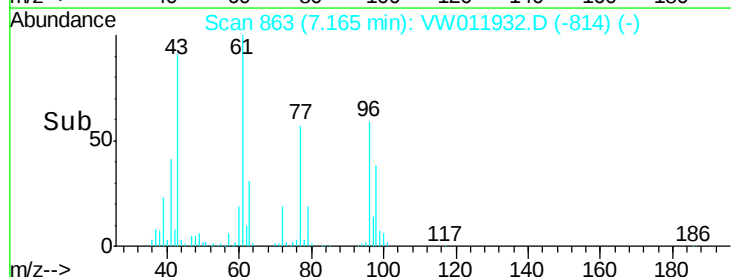
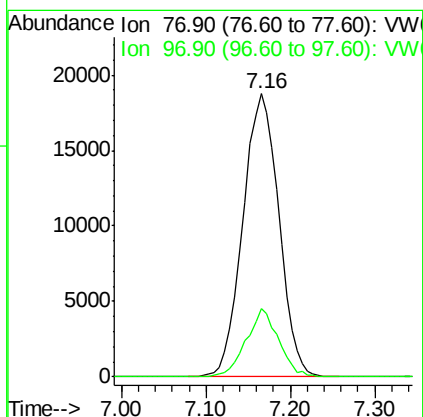
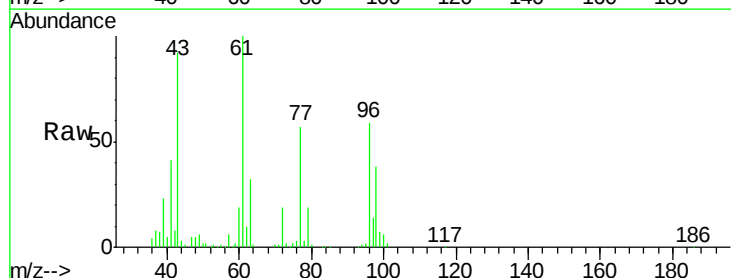
Acq: 15 Aug 2019 17:00

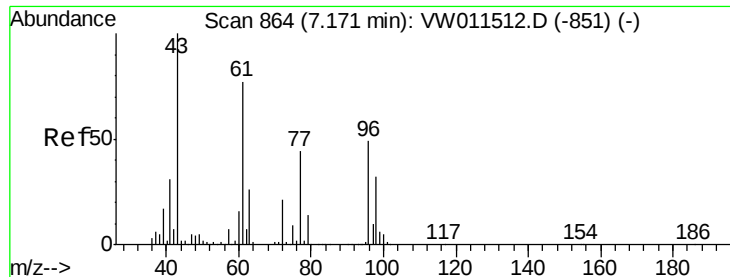
Tgt Ion: 77 Resp: 54359

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.4





#27

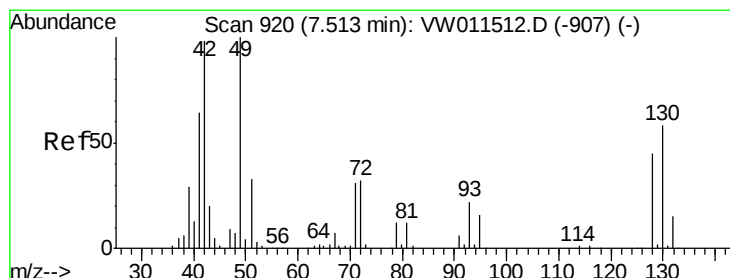
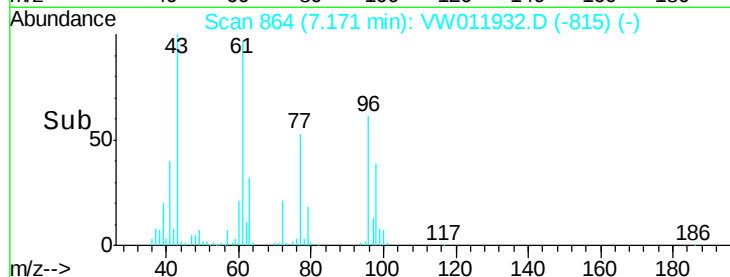
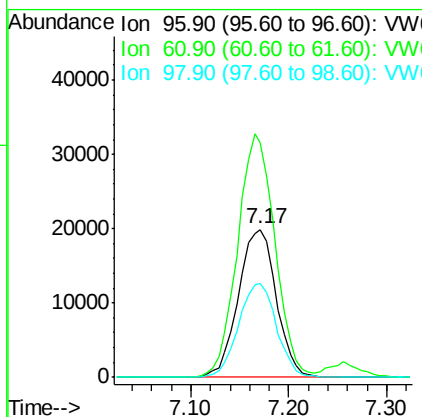
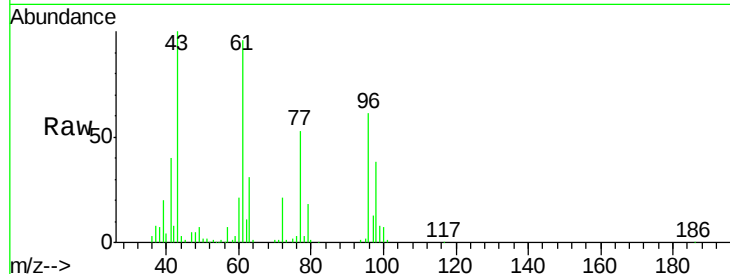
cis-1,2-Dichloroethene
Concen: 21.000 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	328.4
98	63.5	0.0	128.8

Manual Integrations
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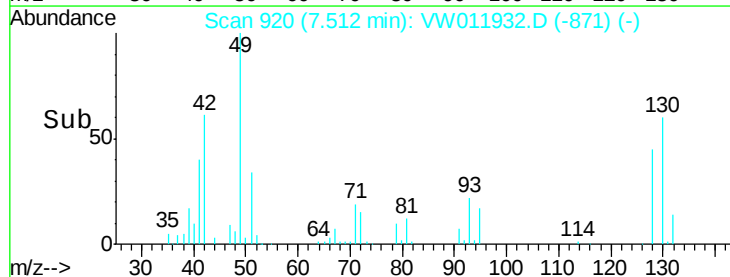
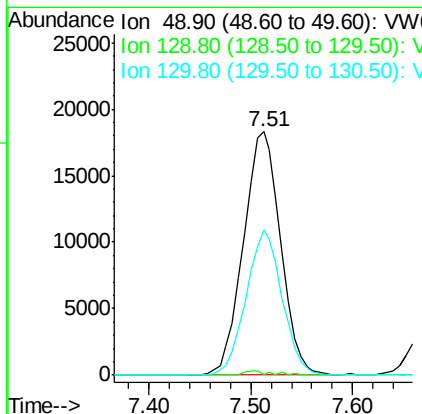
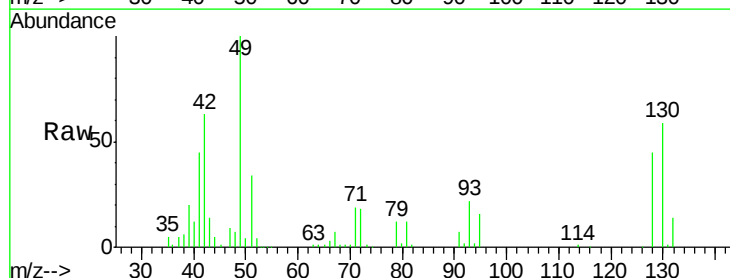
MMDadoda
8/16/2019 8:27:13 AM

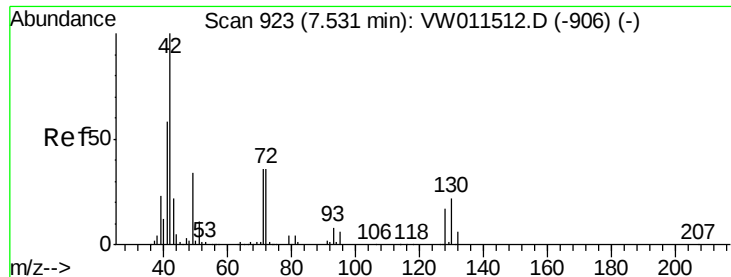


#28

Bromochloromethane
Concen: 22.613 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	57.3	46.3	69.5





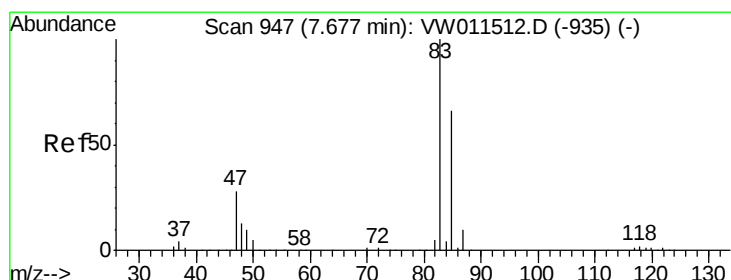
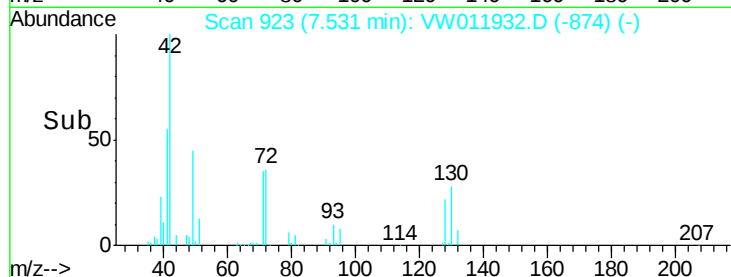
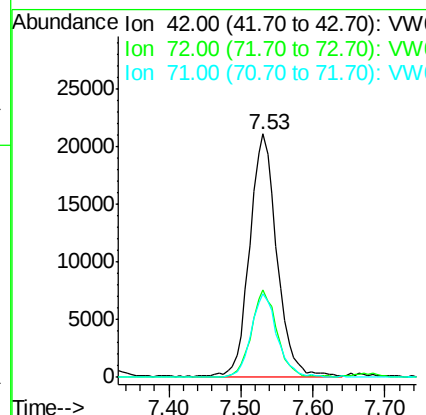
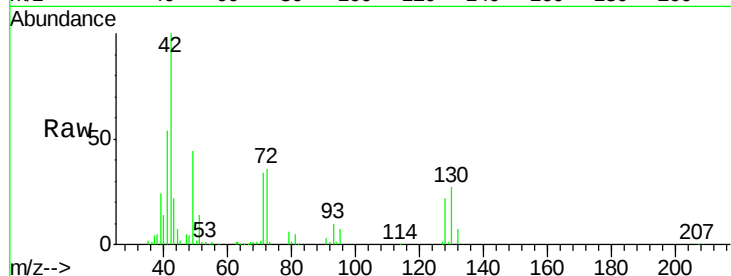
#29
Tetrahydrofuran
Concen: 99.011 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	27.1	40.7
71	32.7	26.2	39.4

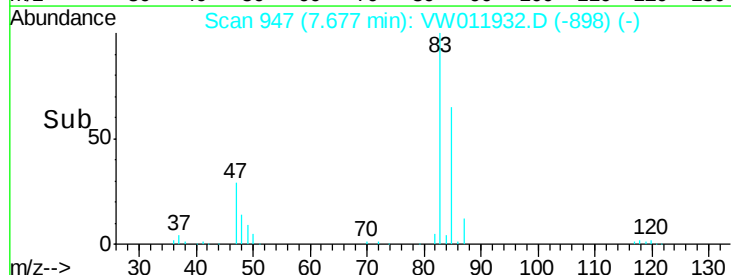
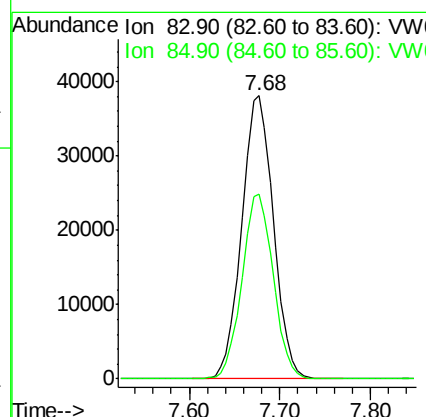
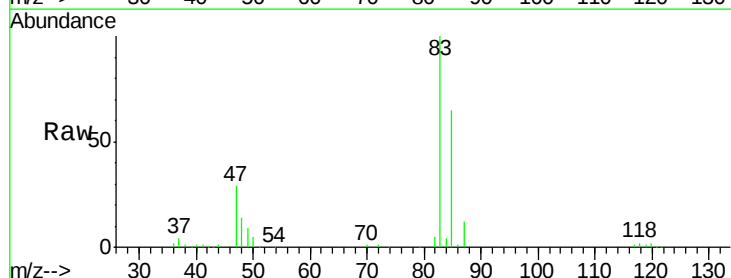
Manual Integrations
APPROVED

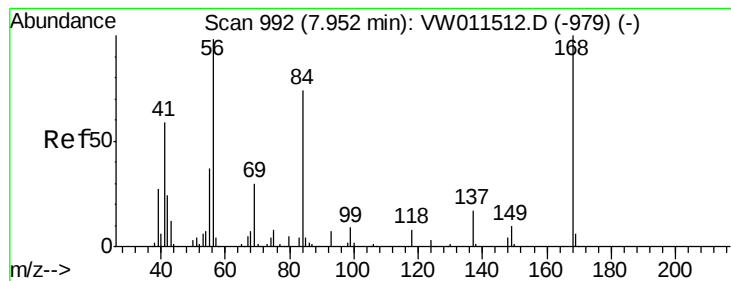
MMDadoda
8/16/2019 8:27:13 AM



#30
Chloroform
Concen: 21.634 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





#31

Cyclohexane

Concen: 20.999 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

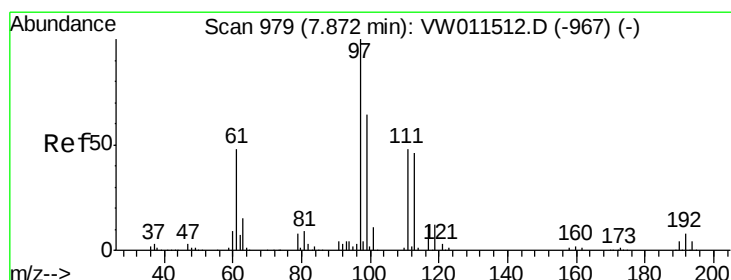
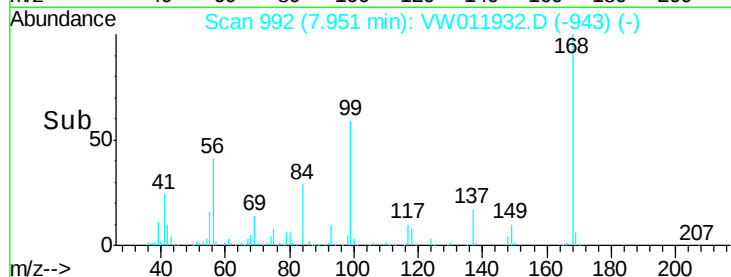
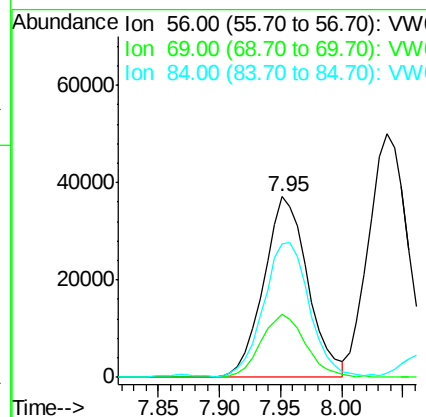
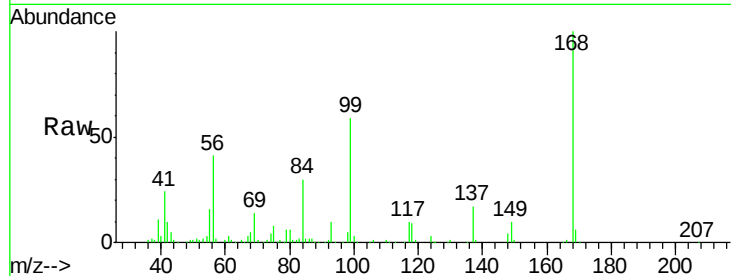
ClientSampleId :

VW0816SBS01

Tot Ion:	56	Resp:	93130
Ion Ratio	Lower	Upper	
56	100		
69	34.7	24.3	36.5
84	72.8	60.4	90.6

Manual Integrations
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8/16/2019 8:27:13 AM



#32

1,1,1-Trichloroethane

Concen: 21.869 ug/l

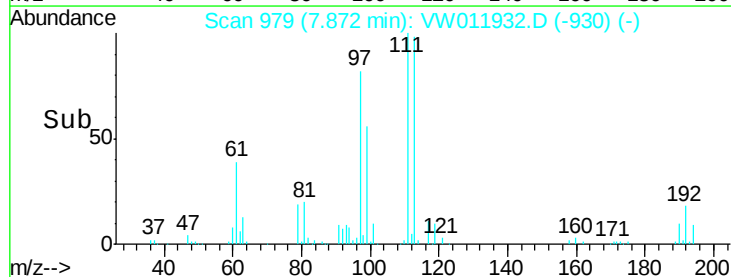
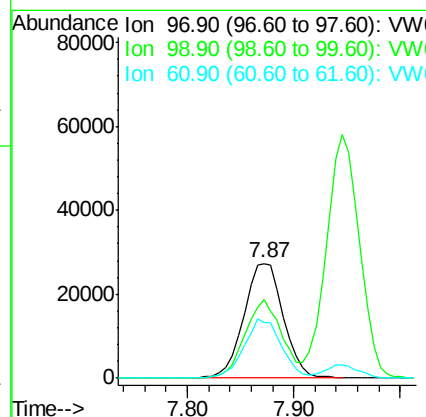
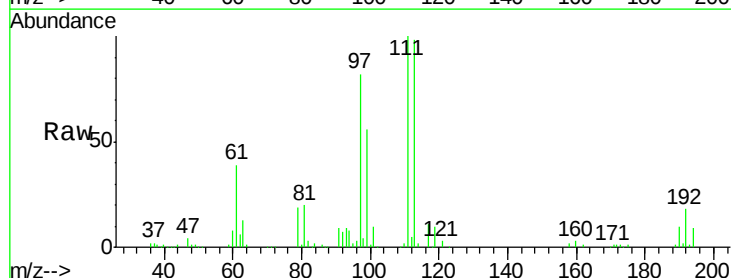
RT: 7.87 min Scan# 979

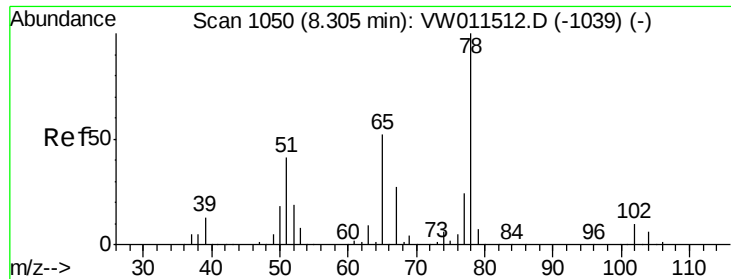
Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion:	97	Resp:	70992
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.0	76.6
61	49.1	39.8	59.6





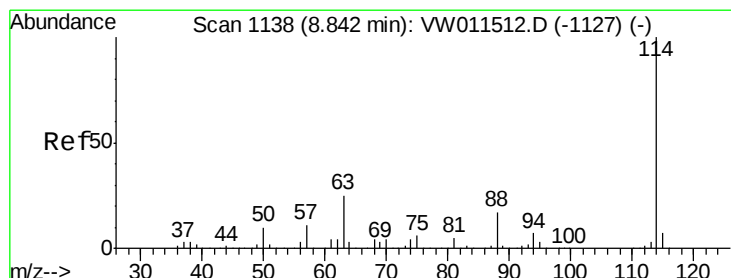
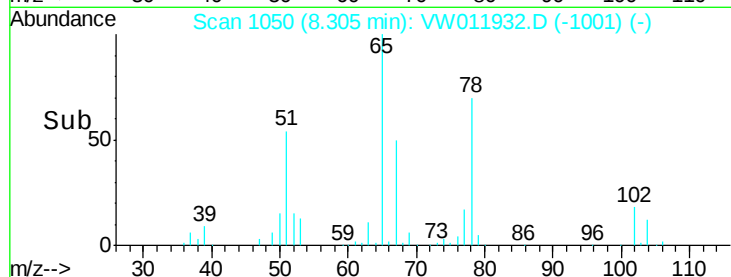
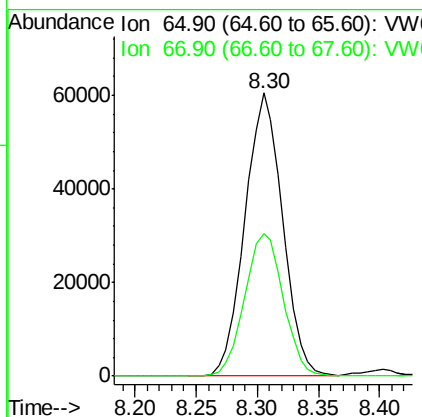
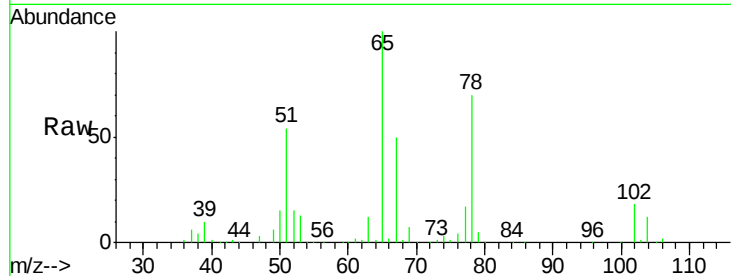
#33
 1,2-Dichloroethane-d4
 Concen: 54.736 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129834		
67	51.6	0.0	105.2	

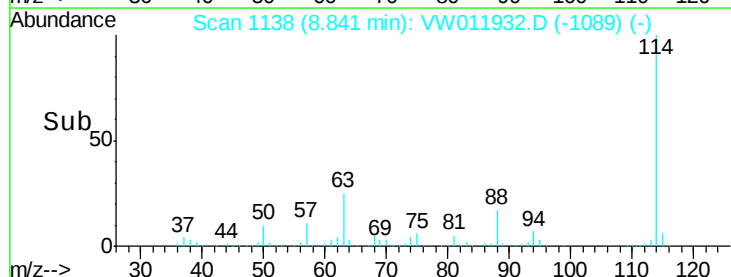
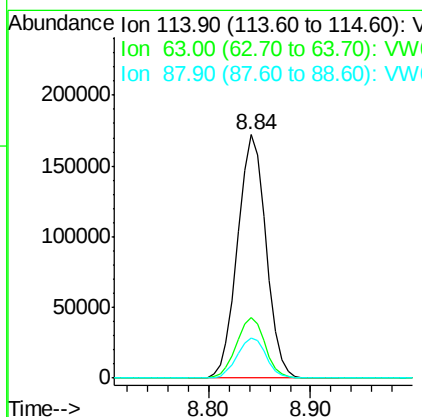
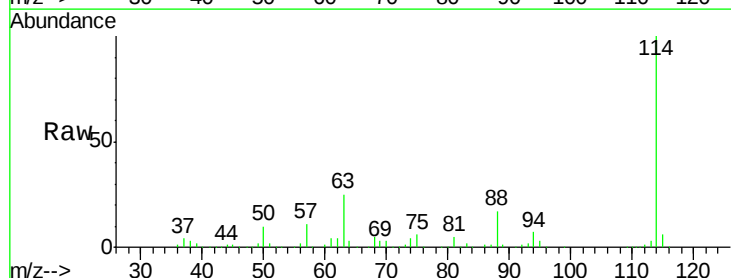
Manual Integrations
 APPROVED

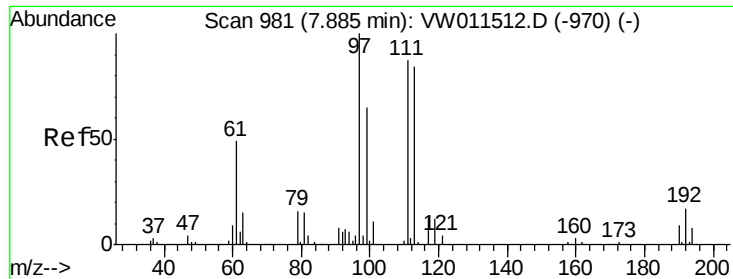
MMDadoda
 8/16/2019 8:27:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333337		
63	24.7	0.0	49.2	
88	16.5	0.0	33.8	





#35

Dibromofluoromethane

Concen: 56.469 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion:113 Resp: 105602

Ion Ratio Lower Upper

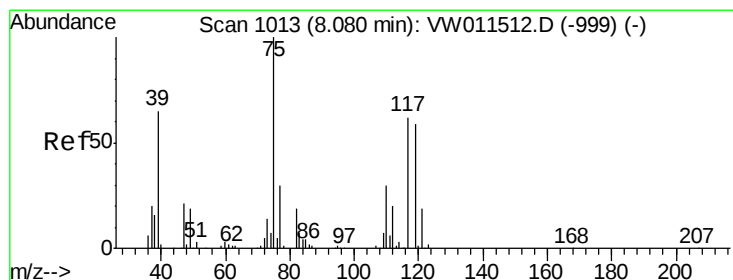
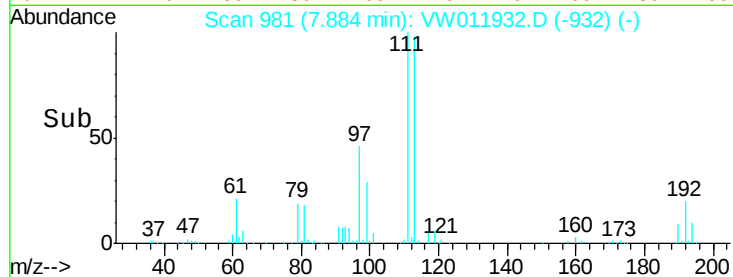
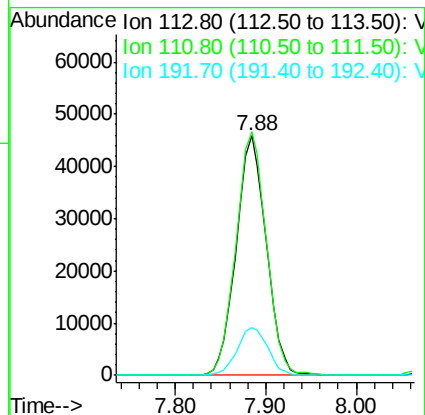
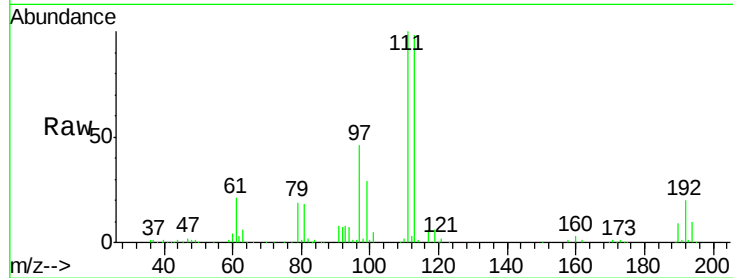
113 100

111 102.6 82.7 124.1

192 20.4 16.1 24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.529 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

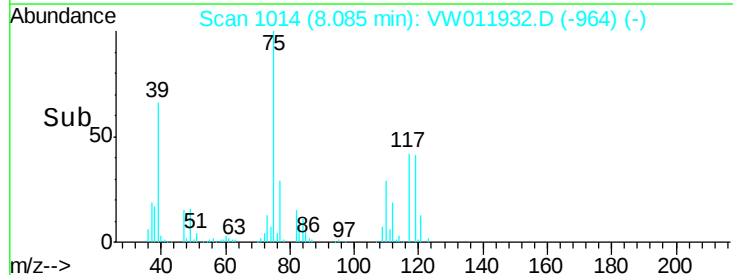
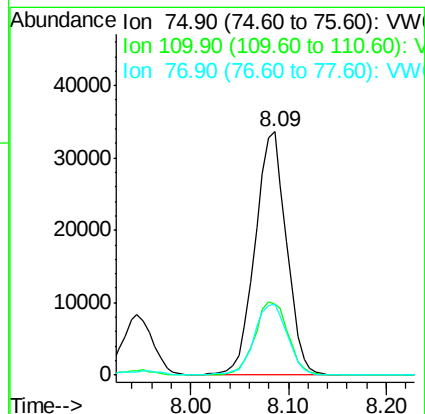
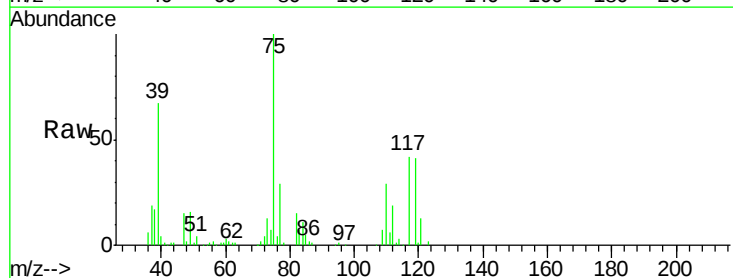
Tgt Ion: 75 Resp: 74620

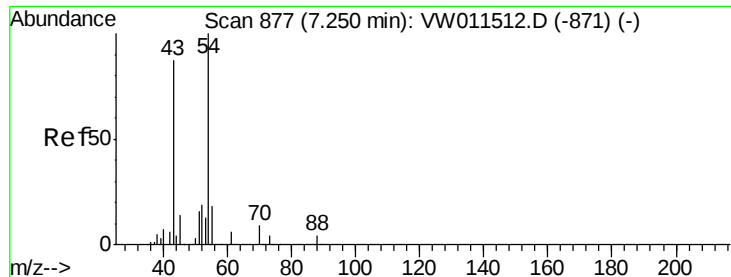
Ion Ratio Lower Upper

75 100

110 31.9 15.6 46.8

77 31.2 24.3 36.5





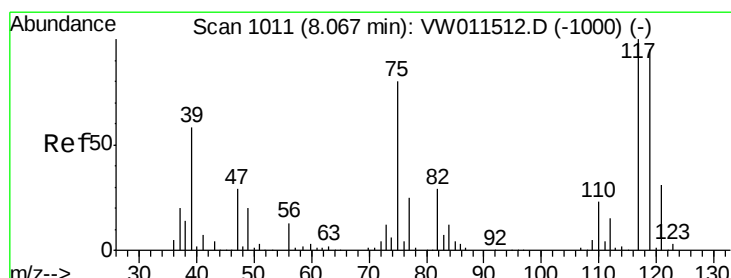
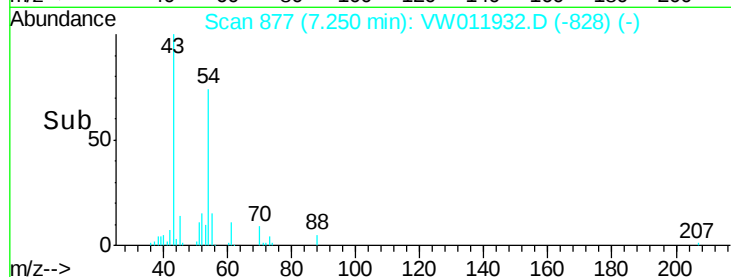
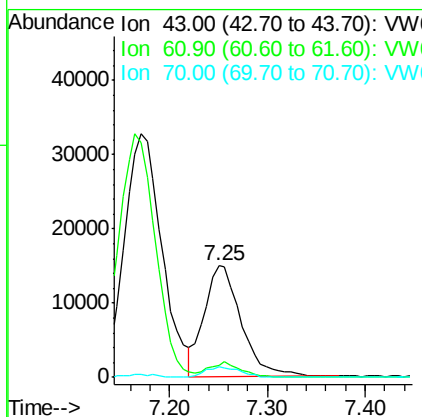
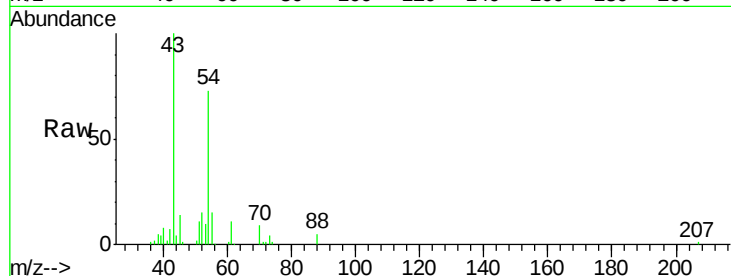
#37
Ethyl Acetate
Concen: 19.391 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.8	8.8	13.2	
70	9.3	7.1	10.7	

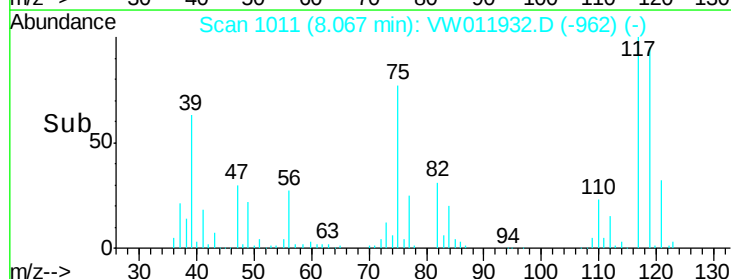
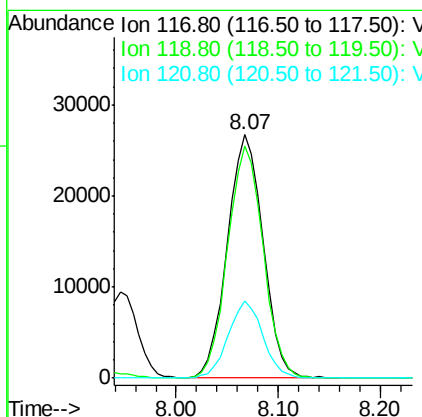
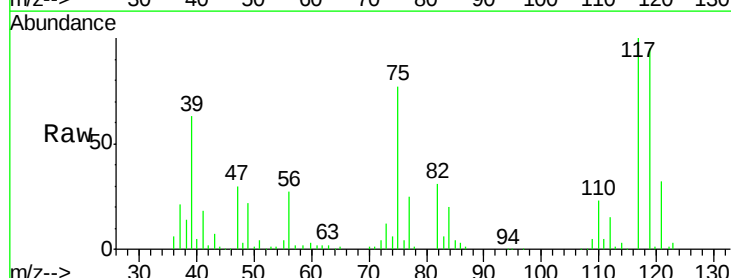
Manual Integrations
APPROVED

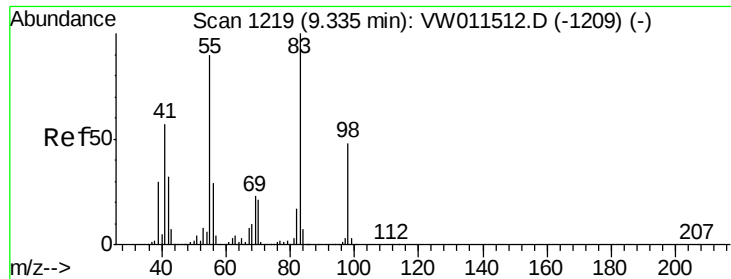
MMDadoda
8/16/2019 8:27:13 AM



#38
Carbon Tetrachloride
Concen: 21.901 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	75.8	113.6	
121	31.6	24.7	37.1	





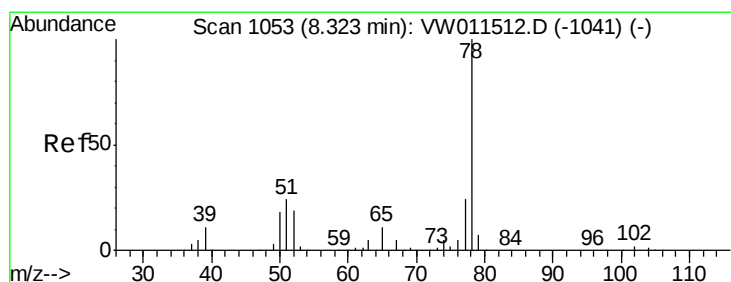
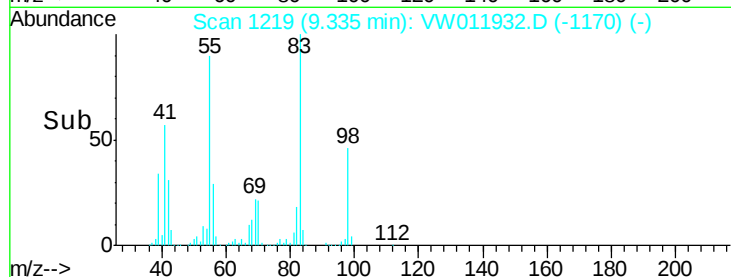
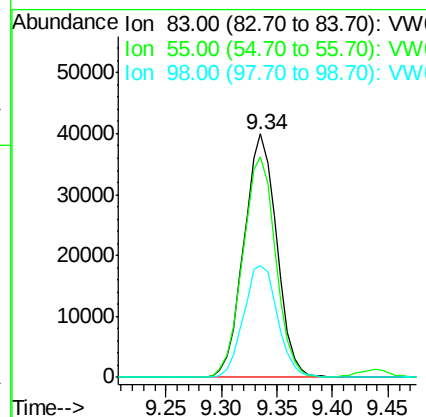
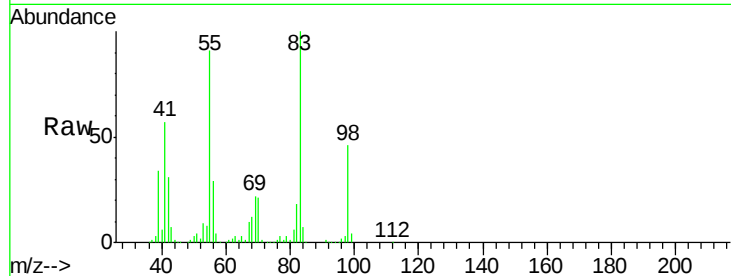
#39
Methvlcvclohexane
Concen: 21.404 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampled :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.6	72.1	108.1
98	45.8	38.6	57.8

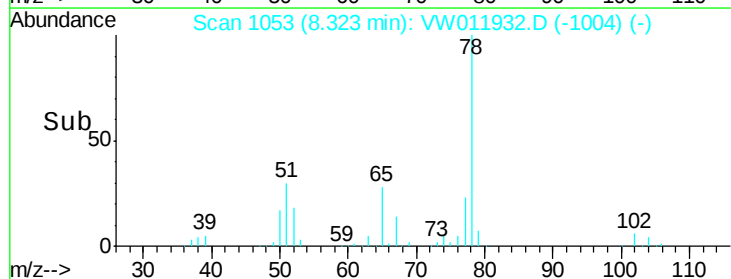
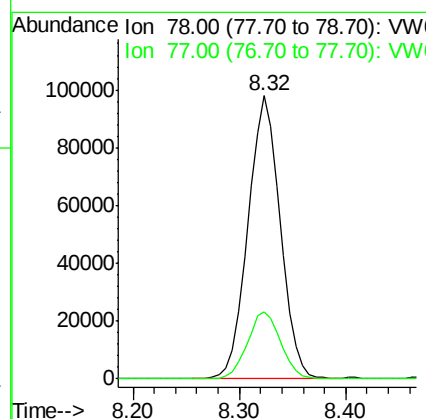
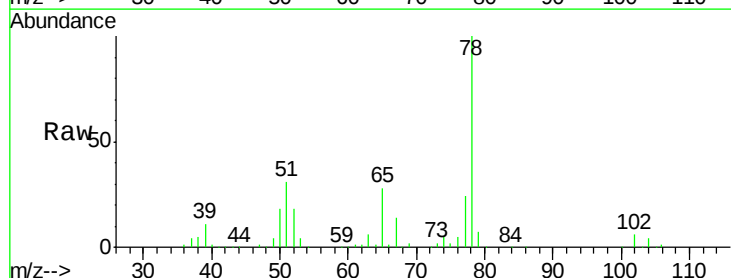
Manual Integrations
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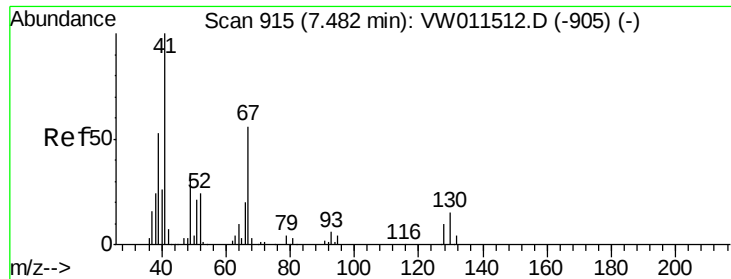
MMDadoda
8/16/2019 8:27:13 AM



#40
Benzene
Concen: 21.500 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





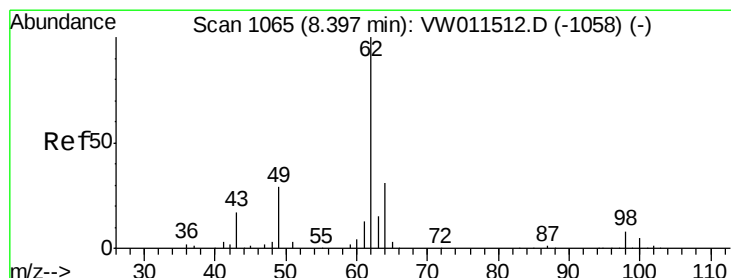
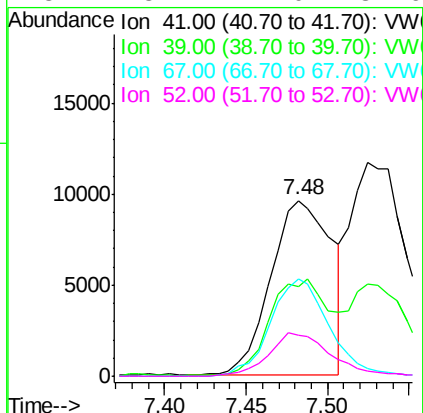
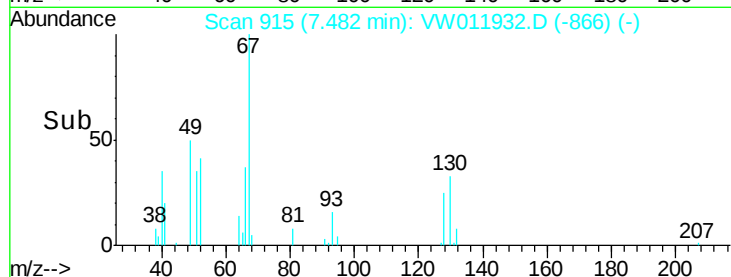
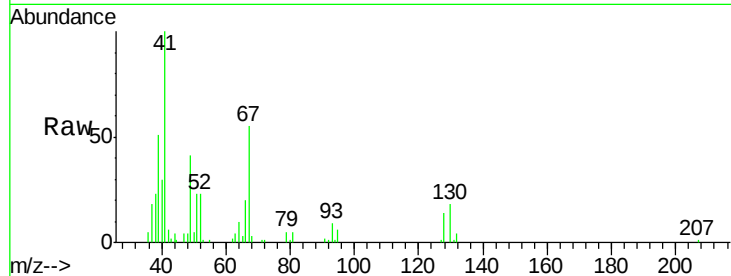
#41
Methacrylonitrile
Concen: 20.844 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	43.0	64.4
67	53.5	47.5	71.3
52	25.4	21.0	31.6

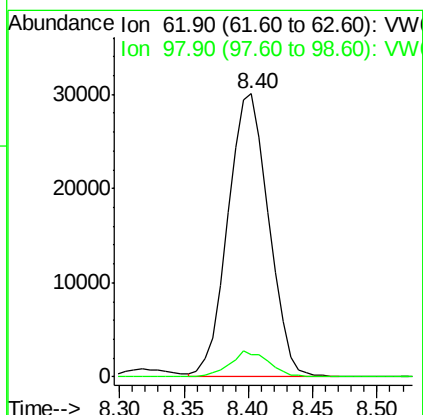
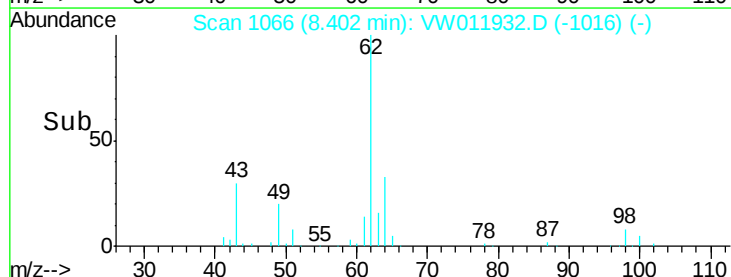
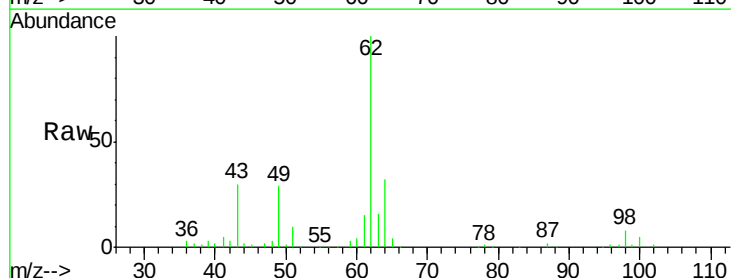
Manual Integrations
APPROVED

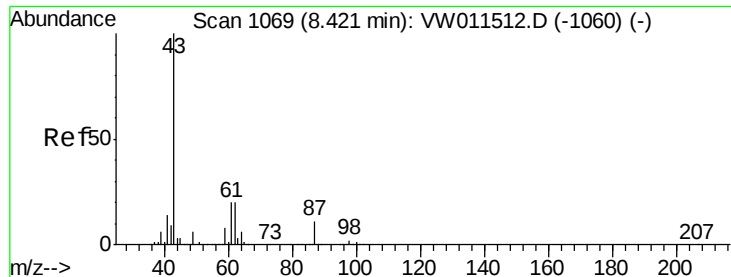
MMDadoda
8/16/2019 8:27:13 AM



#42
1,2-Dichloroethane
Concen: 21.733 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





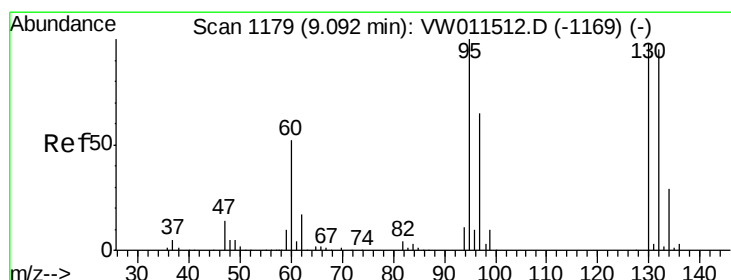
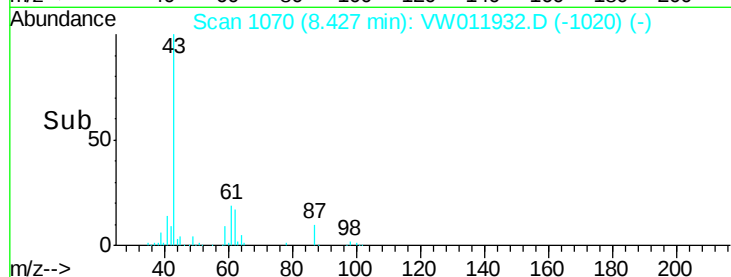
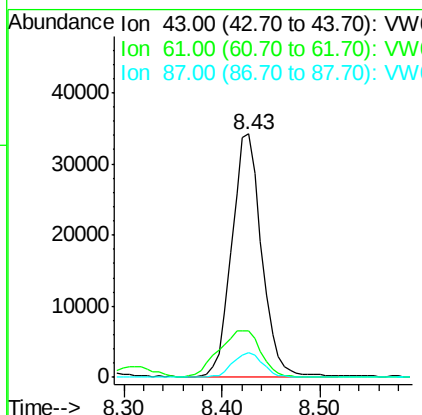
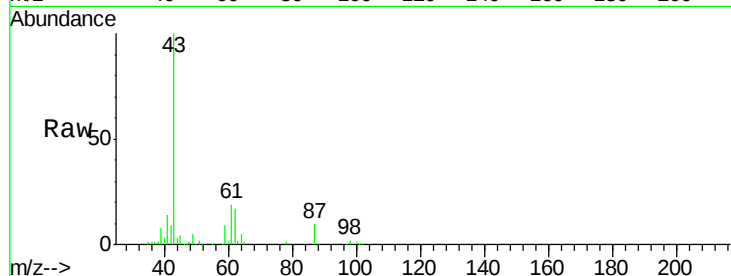
#43
Isopropyl Acetate
Concen: 19.705 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.5	32.3
87	10.2	8.4	12.6

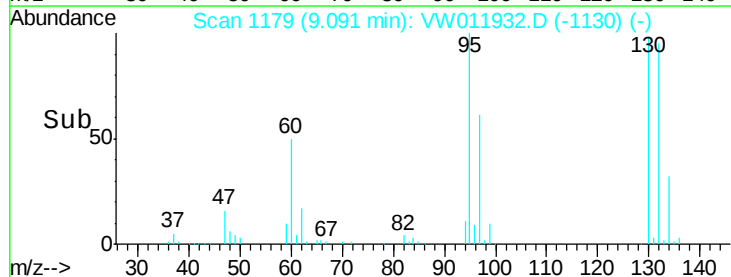
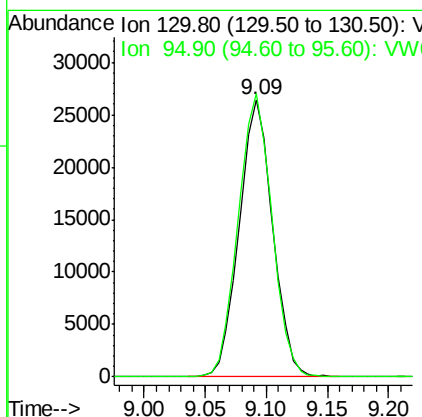
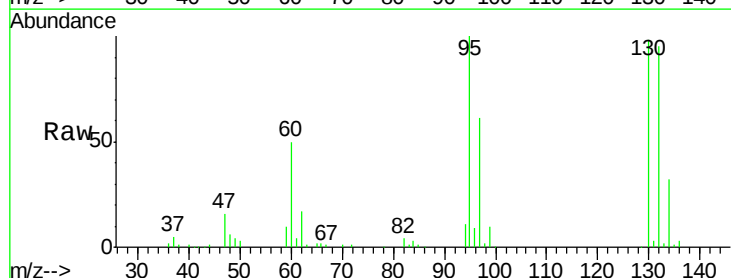
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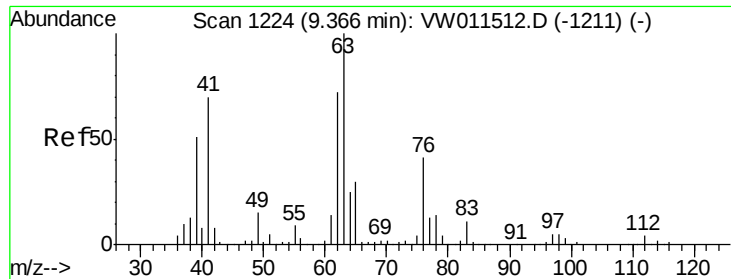
MMDadoda
8/16/2019 8:27:13 AM



#44
Trichloroethene
Concen: 21.514 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.8





#45

1,2-Dichloropropane

Concen: 21.648 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 63 Resp: 56236

Ion Ratio Lower Upper

63 100

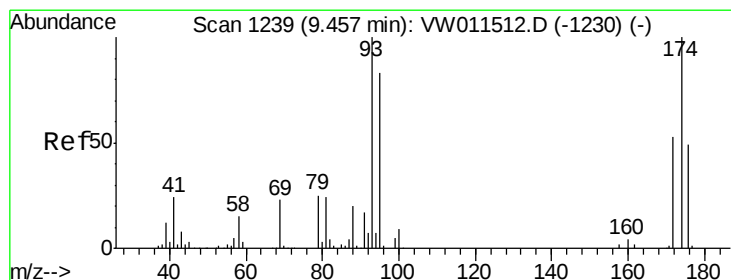
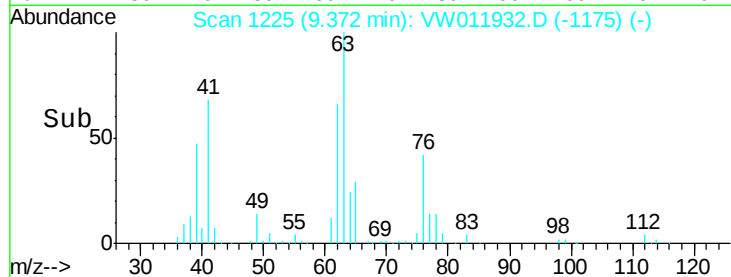
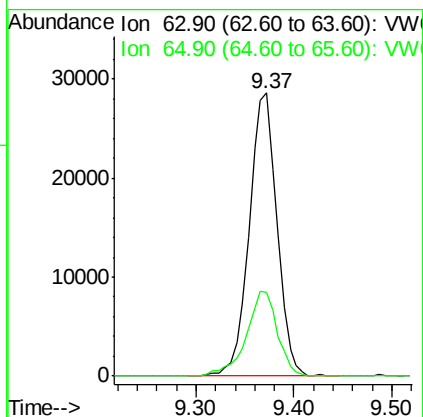
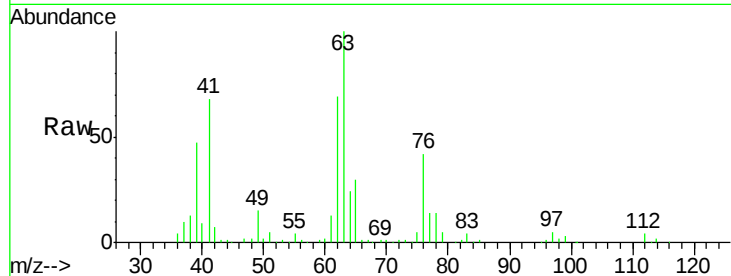
65 29.6 24.2 36.4

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#46

Dibromomethane

Concen: 20.977 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

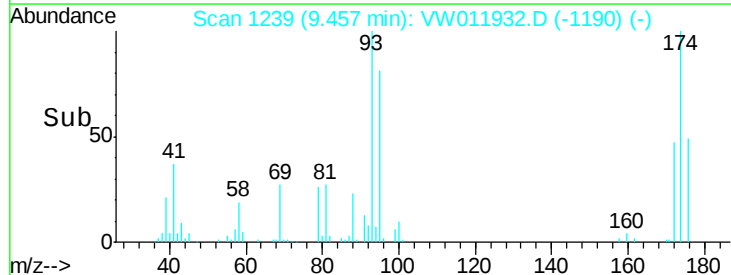
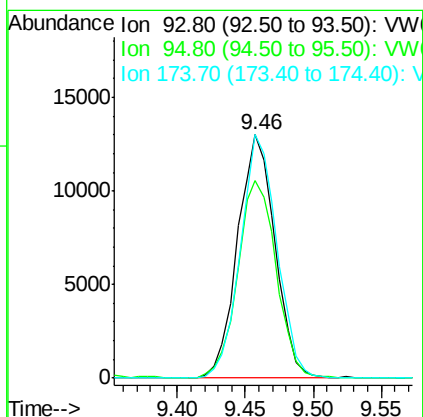
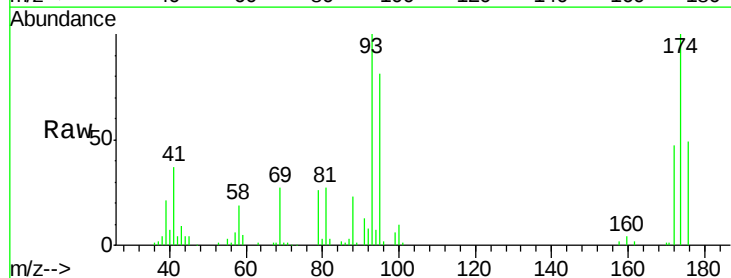
Tgt Ion: 93 Resp: 24872

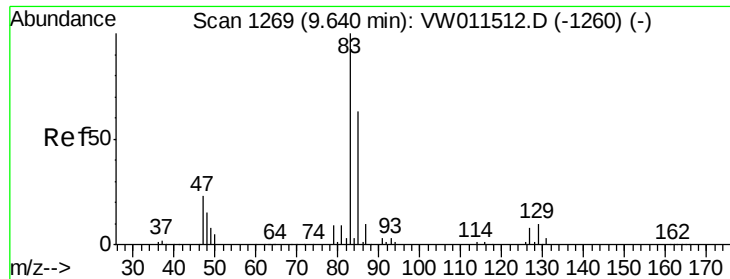
Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.2

174 98.0 78.2 117.4





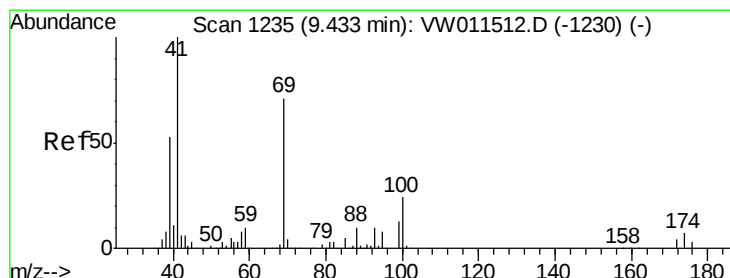
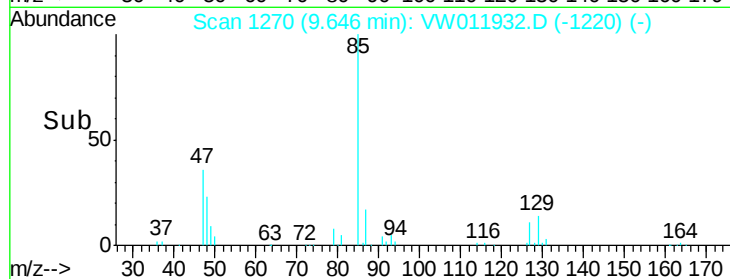
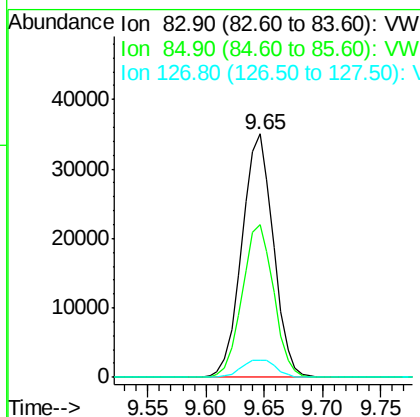
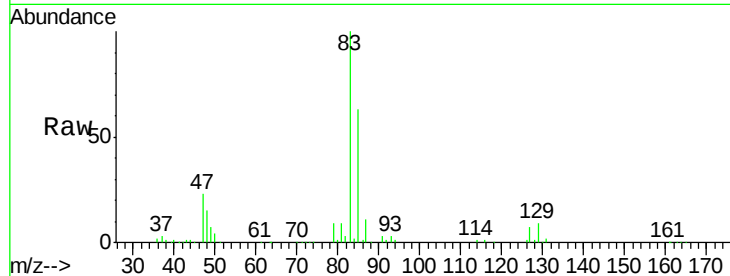
#47
Bromodichloromethane
Concen: 21.238 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	66053		
85	62.9		50.5	75.7
127	6.8		6.4	9.6

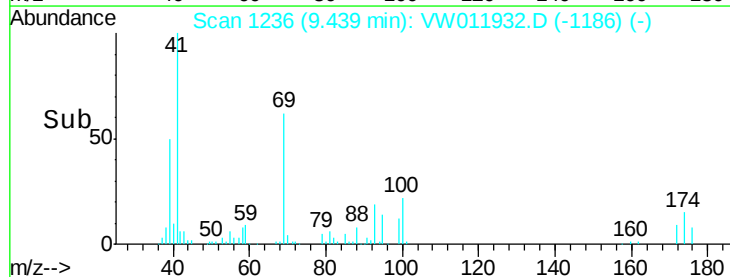
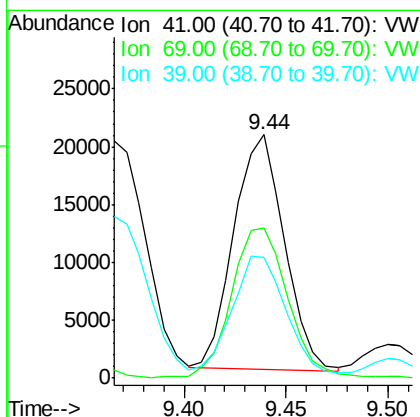
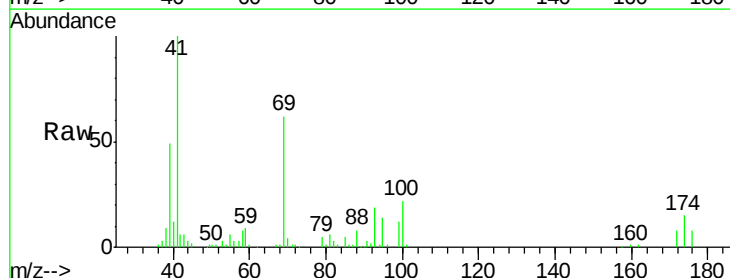
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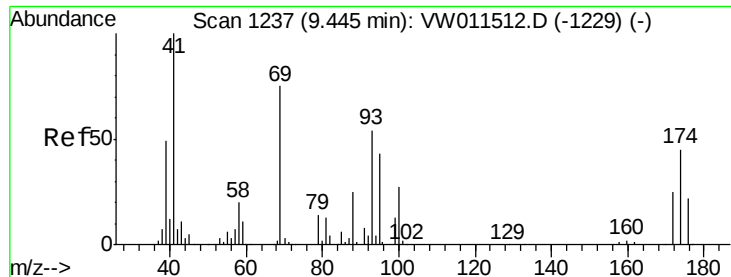
MMDadoda
8/16/2019 8:27:13 AM



#48
Methyl methacrylate
Concen: 19.837 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34947		
69	71.9		57.1	85.7
39	57.4		45.4	68.2





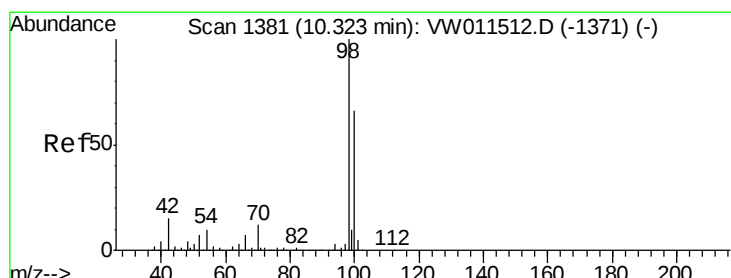
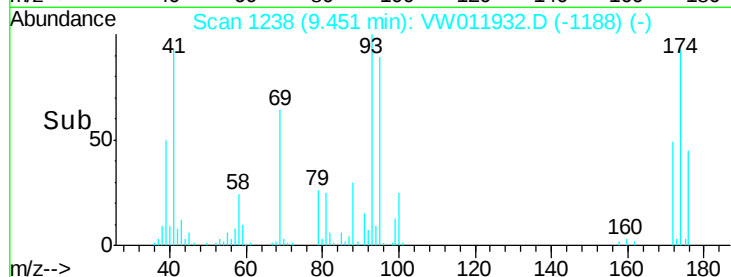
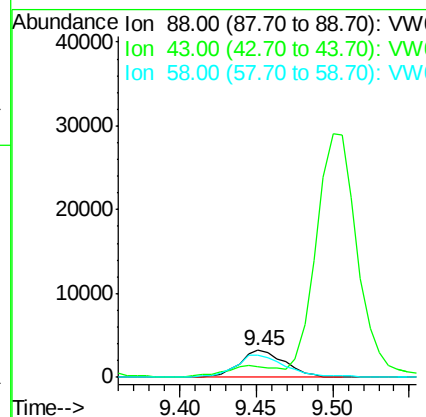
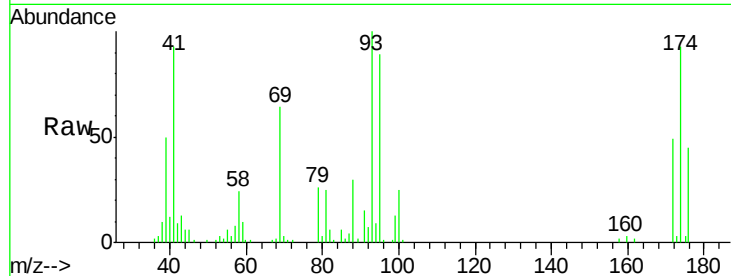
#49
1,4-Dioxane
Concen: 390.738 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion: 88 Resp: 6708
Ion Ratio Lower Upper
88 100
43 42.3 34.0 51.0
58 92.9 69.7 104.5

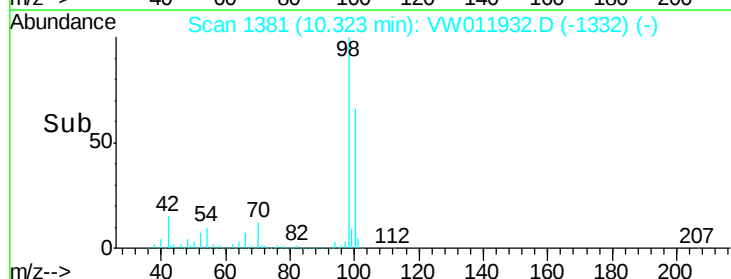
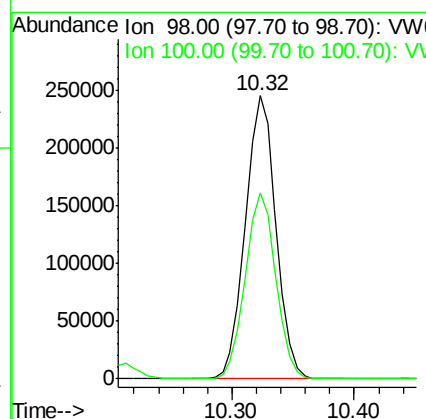
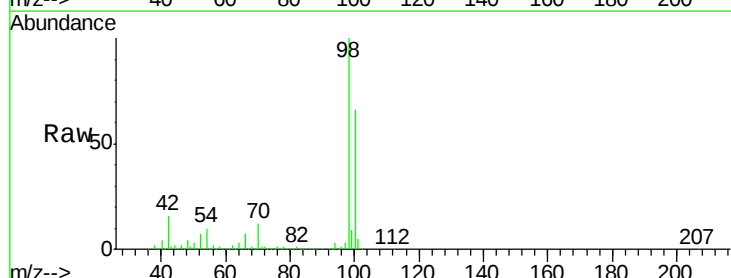
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#50
Toluene-d8
Concen: 55.470 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 98 Resp: 424713
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 97.705 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 43 Resp: 186380

Ion Ratio Lower Upper

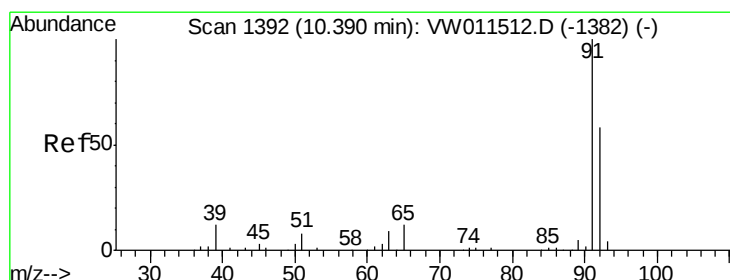
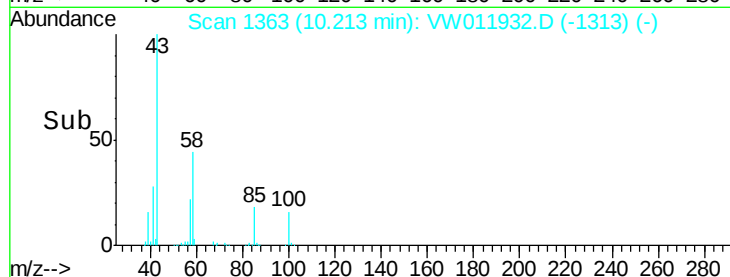
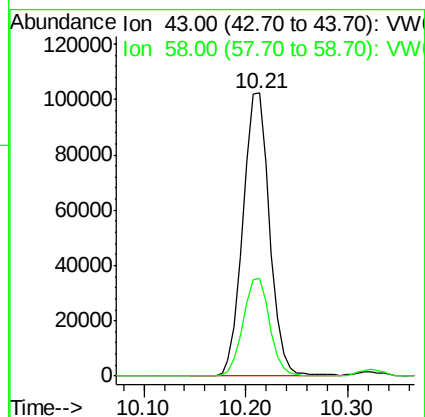
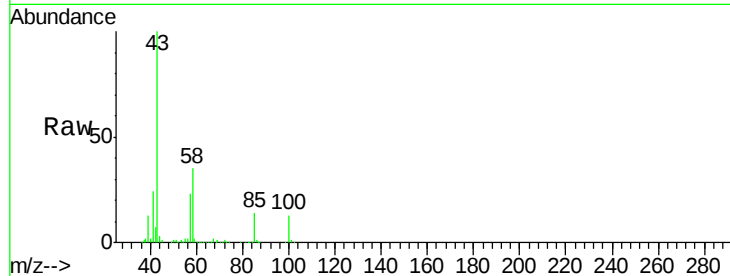
43 100

58 34.5 28.2 42.2

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#52

Toluene

Concen: 21.588 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011932.D

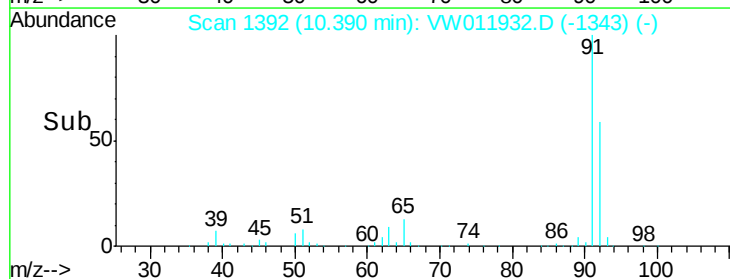
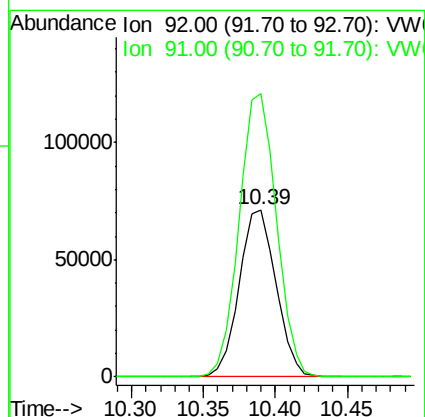
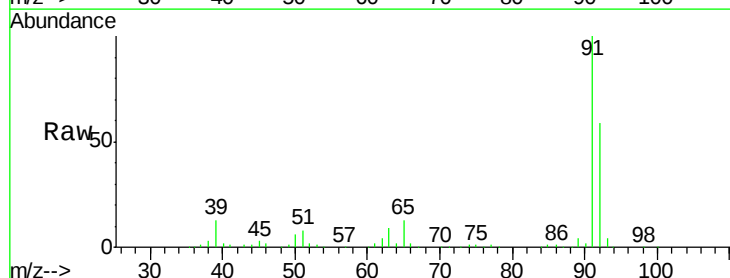
Acq: 15 Aug 2019 17:00

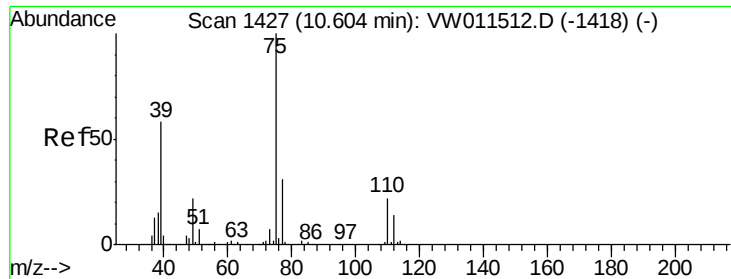
Tgt Ion: 92 Resp: 126572

Ion Ratio Lower Upper

92 100

91 171.6 136.7 205.1





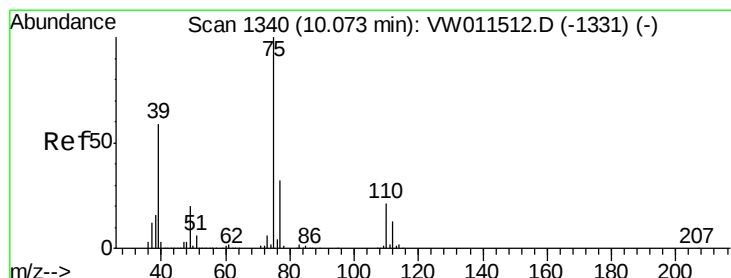
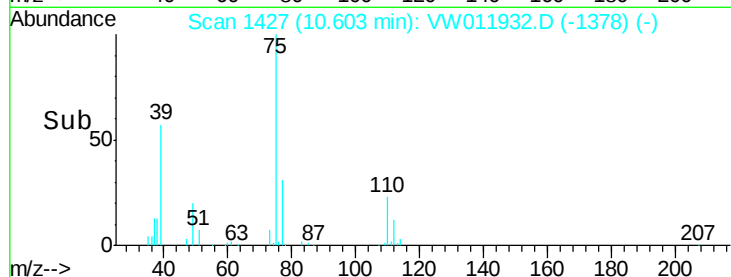
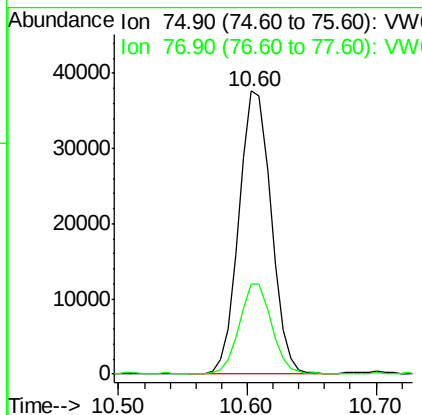
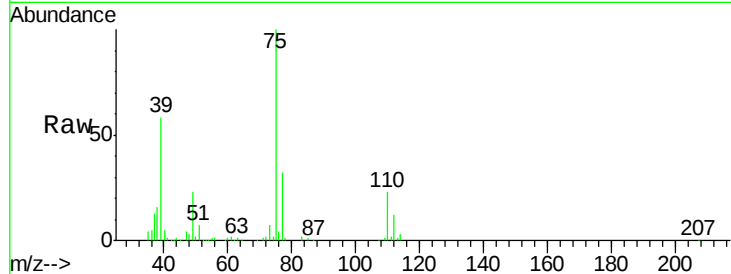
#53
 t-1,3-Dichloropropene
 Concen: 20.150 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion: 75 Resp: 65464
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4

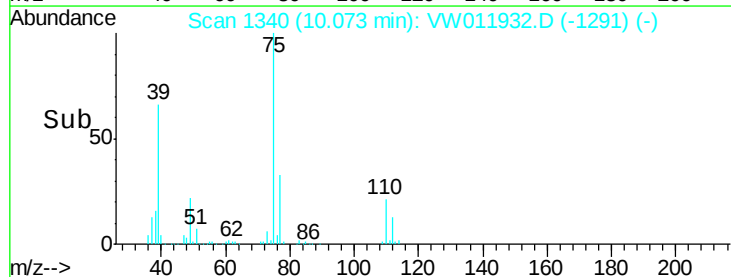
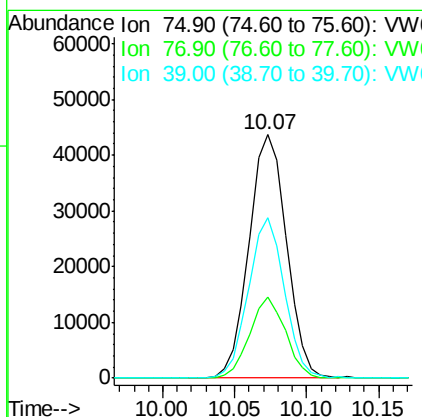
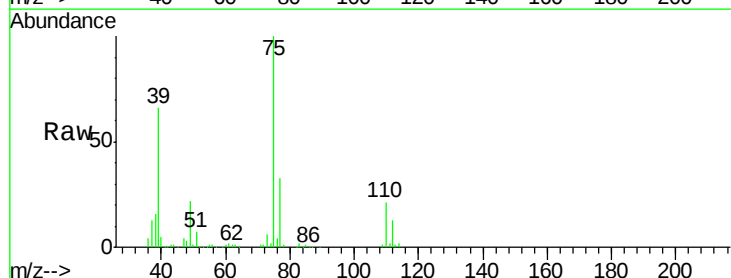
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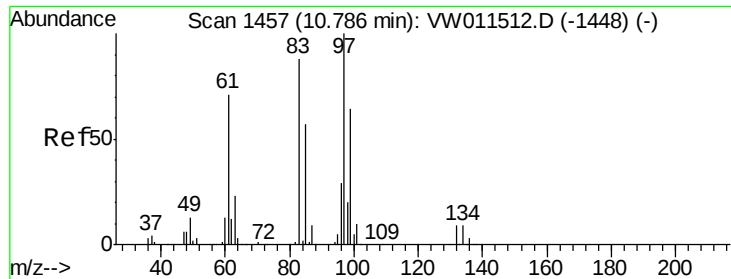
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 8/16/2019 8:27:13 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.357 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion: 75 Resp: 78637
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.6 38.4
 39 65.7 47.0 70.4





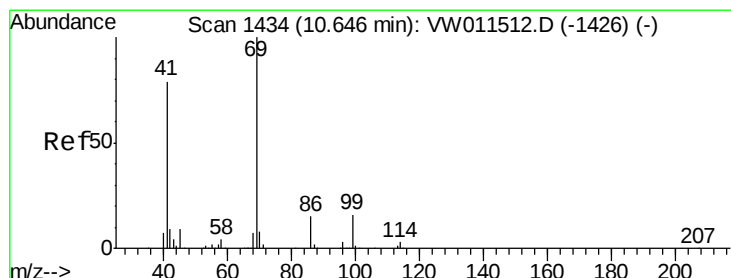
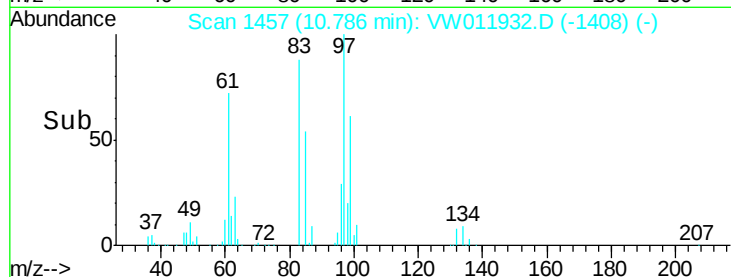
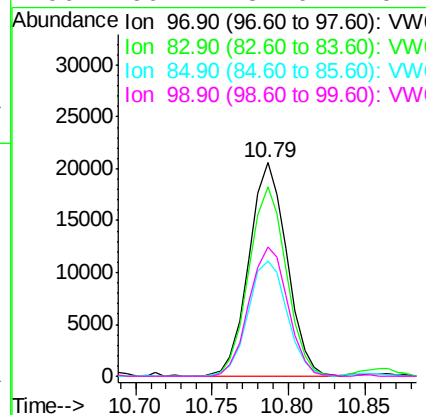
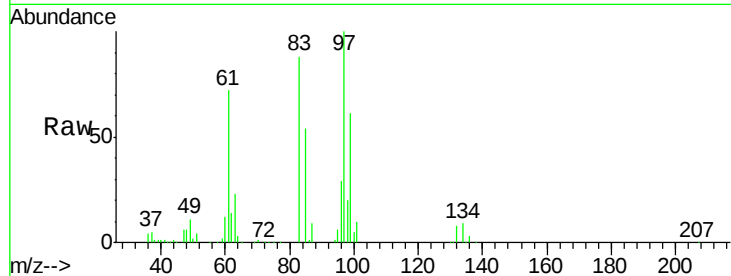
#55
 1,1,2-Trichloroethane
 Concen: 21.106 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion:	97	Resp:	35506
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.5	105.7
85	54.2	45.8	68.6
99	60.7	51.0	76.4

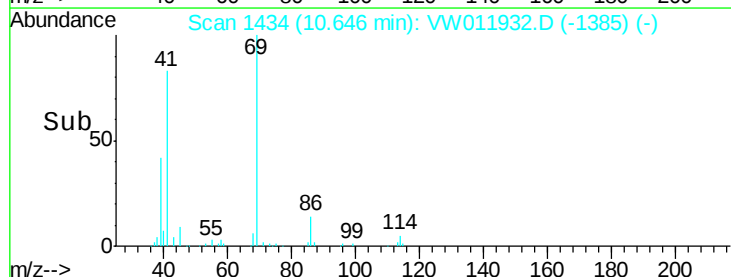
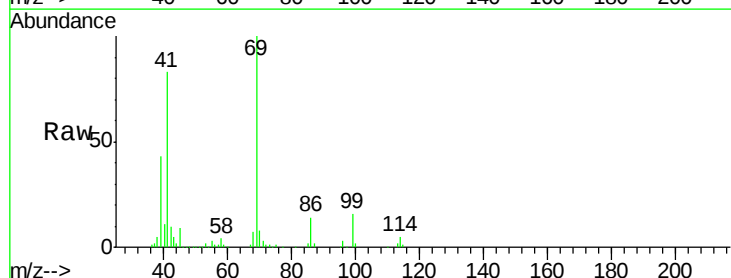
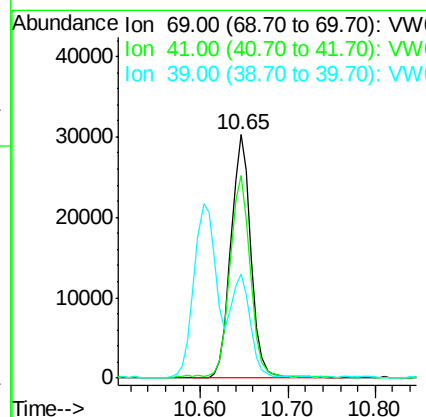
Manual Integrations
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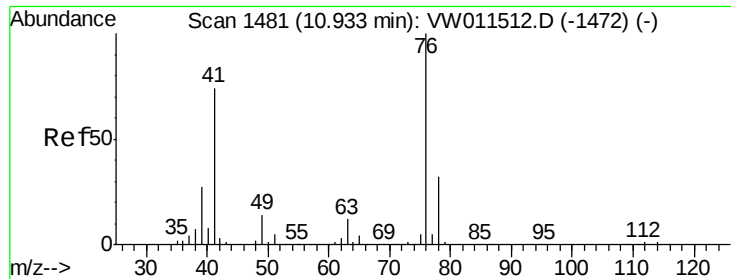
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#56
 Ethyl methacrylate
 Concen: 19.603 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion:	69	Resp:	48256
Ion	Ratio	Lower	Upper
69	100		
41	85.5	66.6	99.8
39	40.4	30.3	45.5





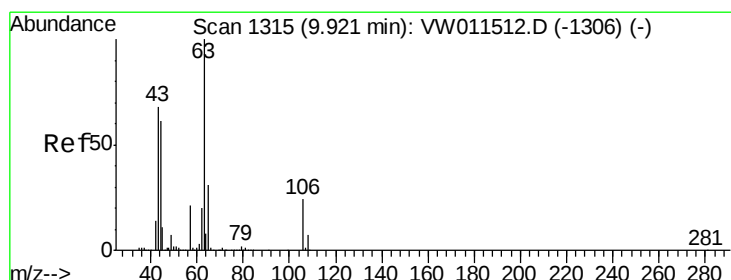
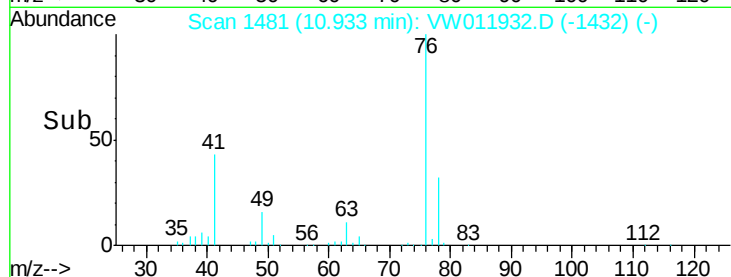
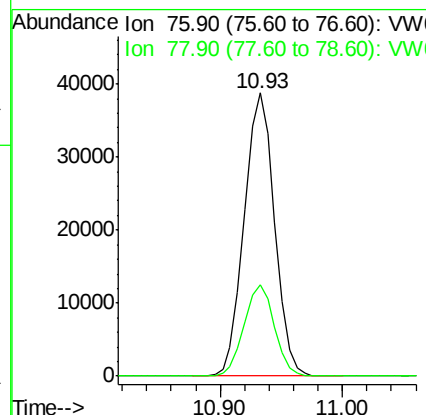
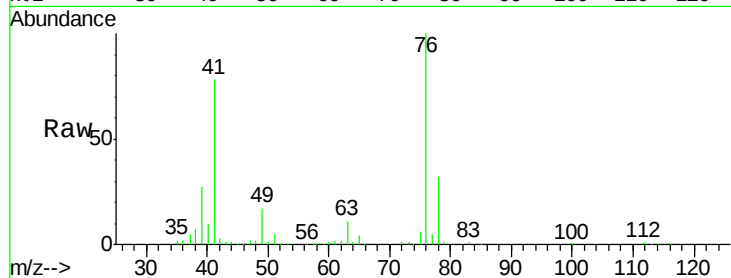
#57
 1,3-Dichloropropane
 Concen: 20.952 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion: 76 Resp: 66683
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

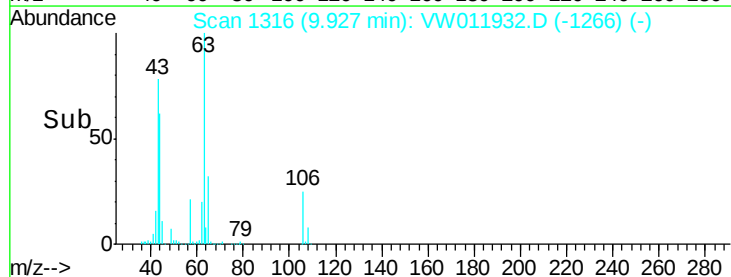
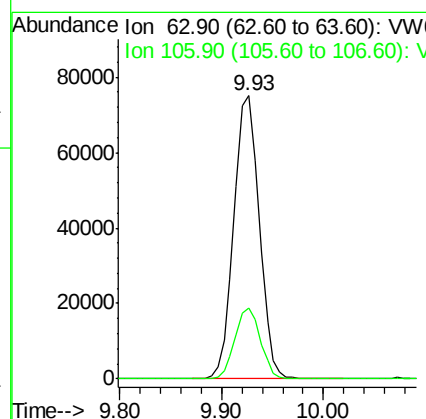
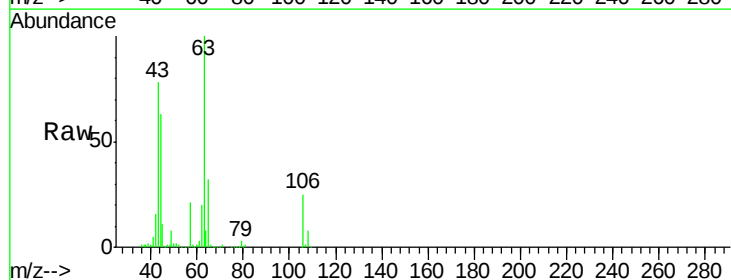
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.723 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion: 63 Resp: 129344
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5





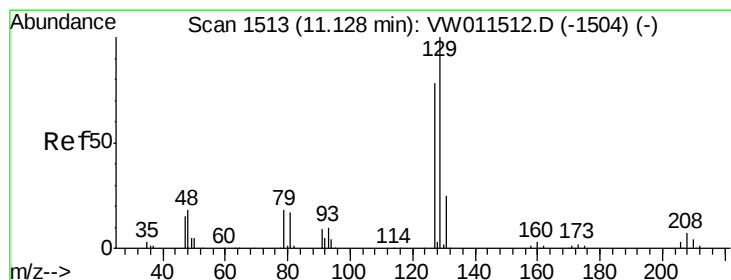
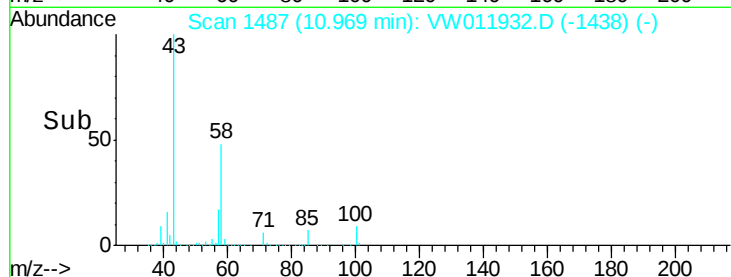
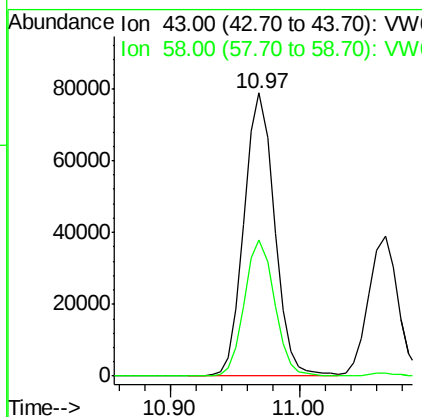
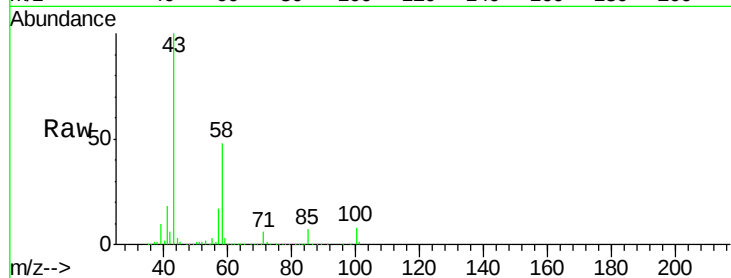
#59
2-Hexanone
Concen: 95.878 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion: 43 Resp: 129136
Ion Ratio Lower Upper
43 100
58 47.7 24.3 72.9

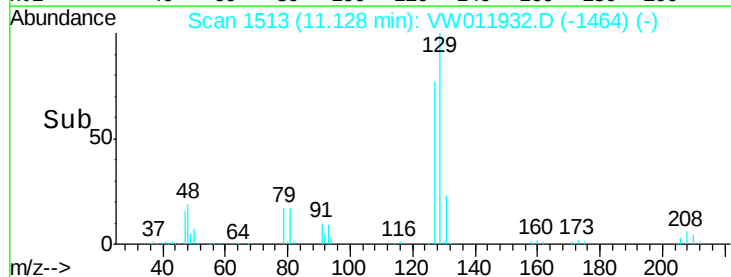
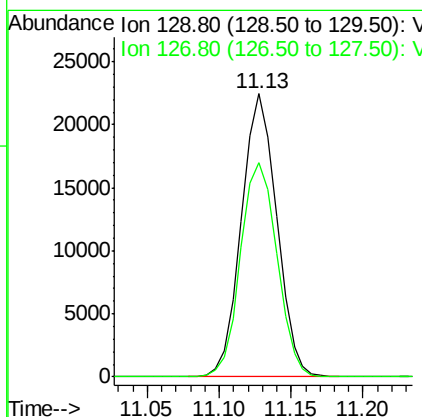
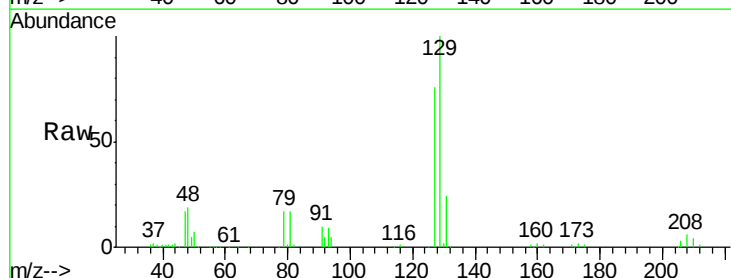
Manual Integrations
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8/16/2019 8:27:13 AM



#60
Dibromochloromethane
Concen: 20.456 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 129 Resp: 38199
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.478 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 107 Resp: 32601

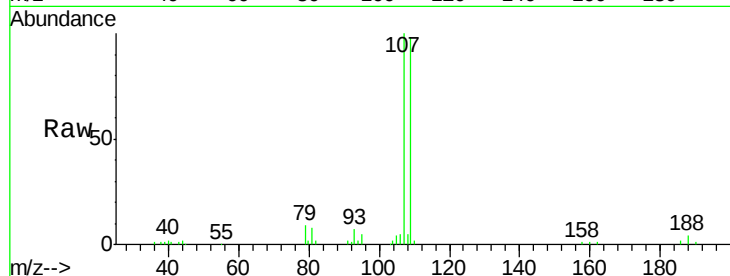
Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

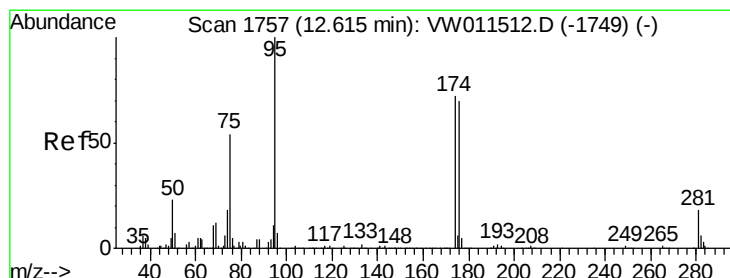
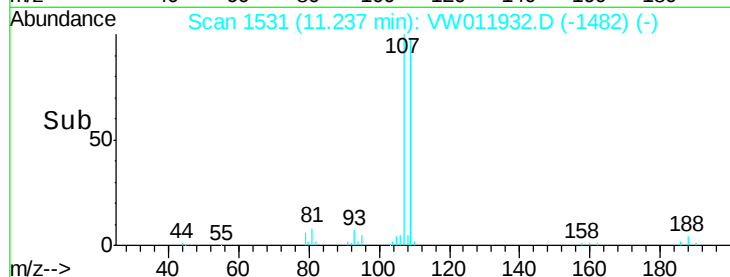
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.198 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

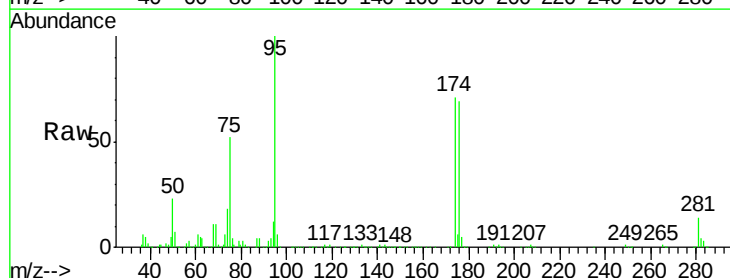
Tgt Ion: 95 Resp: 150678

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 73.0 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

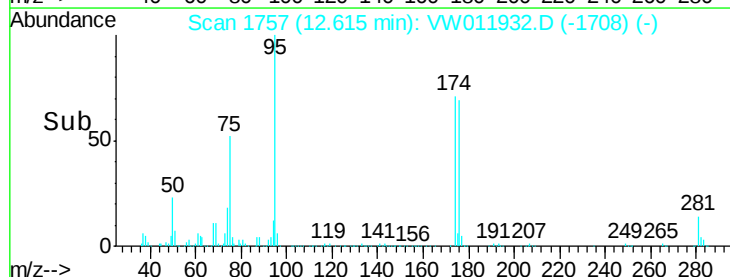
60000

40000

20000

0

Time-->





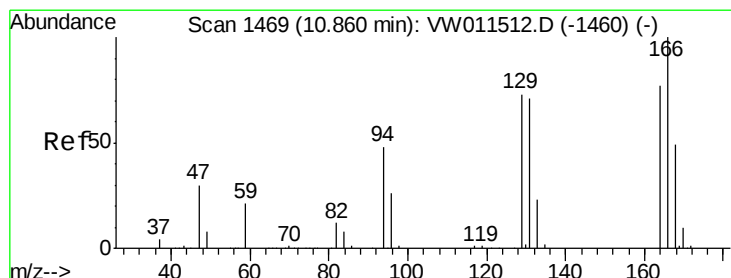
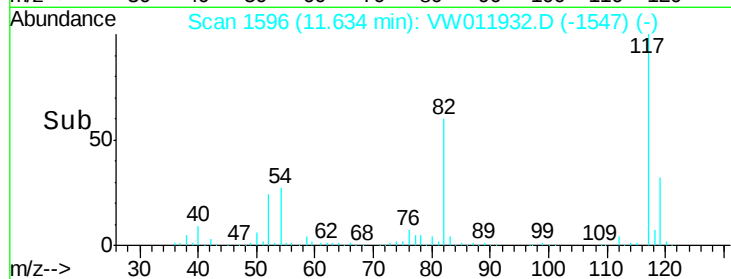
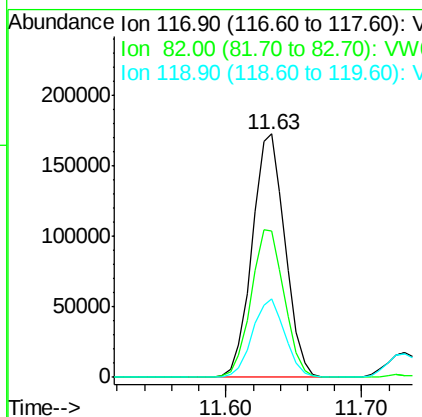
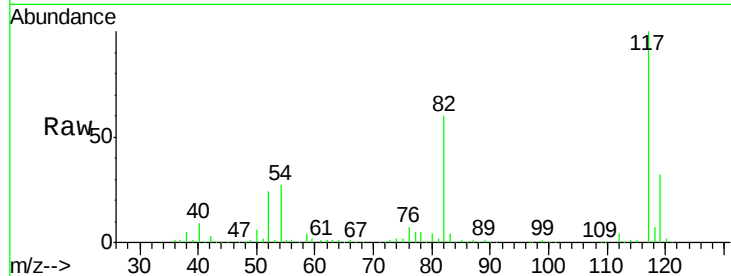
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292598		
82	60.2	47.9	71.9	
119	32.5	26.2	39.2	

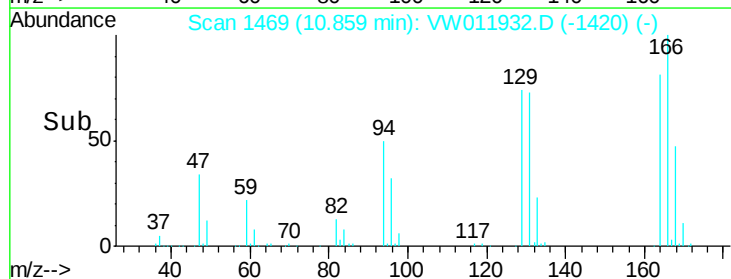
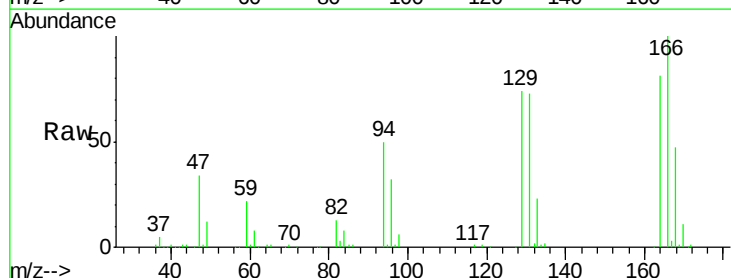
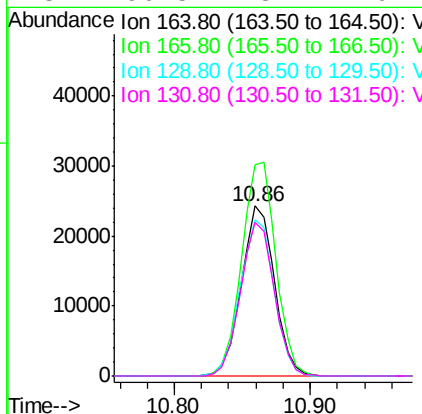
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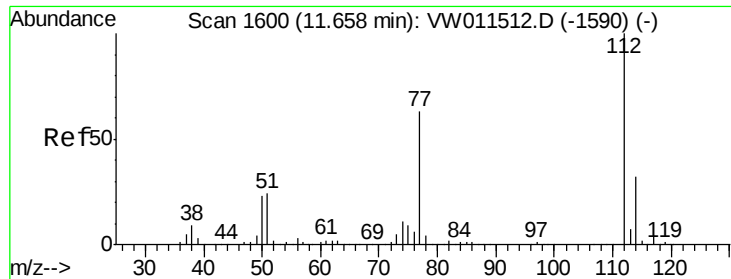
MMDadoda
8/16/2019 8:27:13 AM



#64
Tetrachloroethene
Concen: 21.721 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41382		
166	123.9	103.5	155.3	
129	91.8	75.2	112.8	
131	90.5	73.4	110.2	





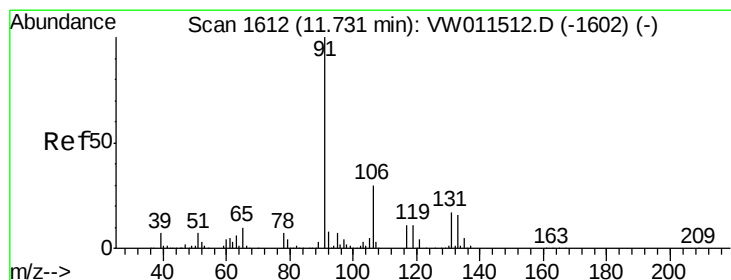
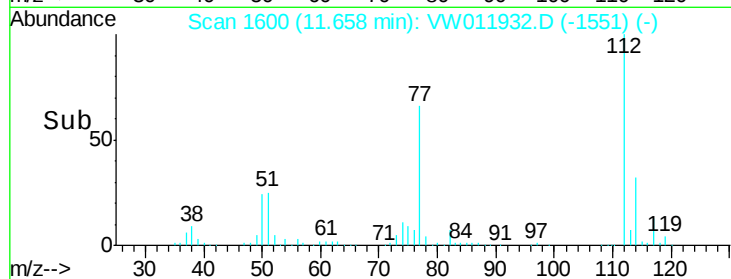
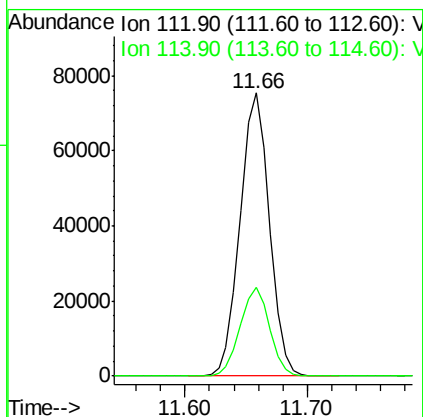
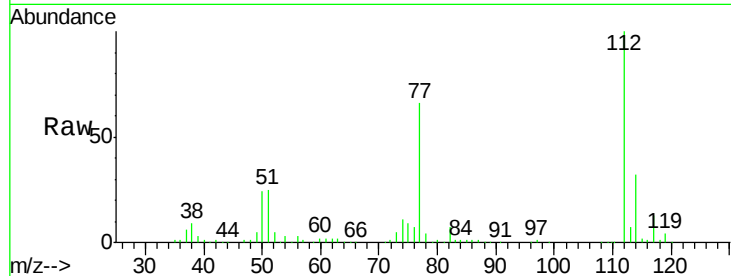
#65
Chlorobenzene
Concen: 21.320 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.6	38.4

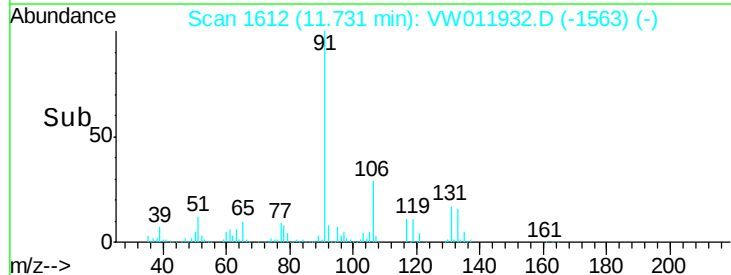
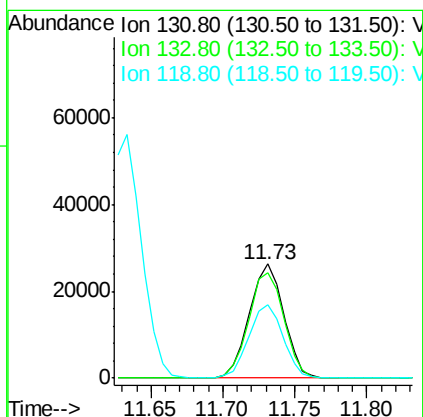
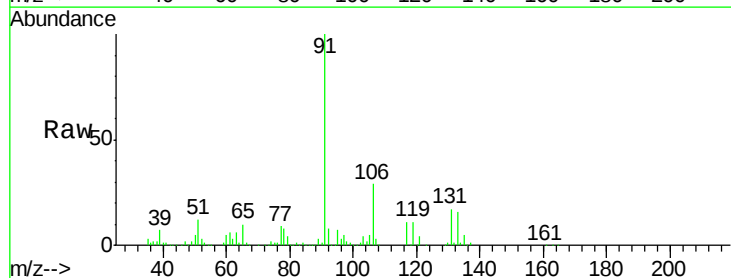
Manual Integrations
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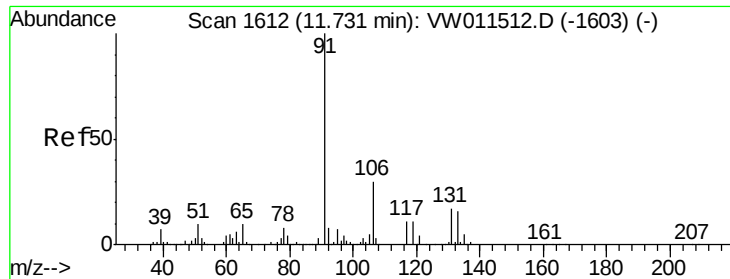
MMDadoda
8/16/2019 8:27:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.195 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.4	142.2
119	64.5	32.3	96.9





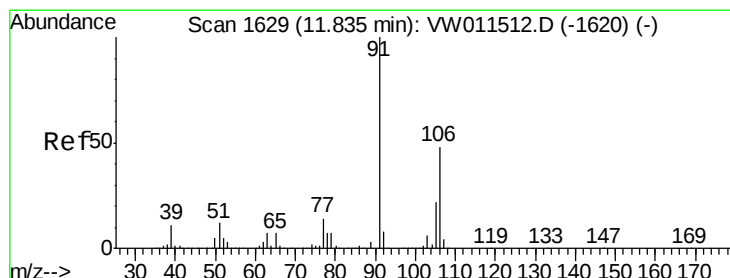
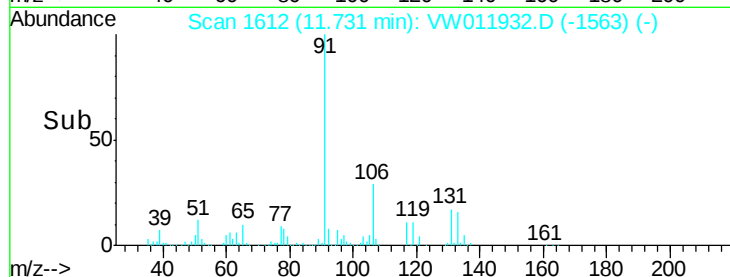
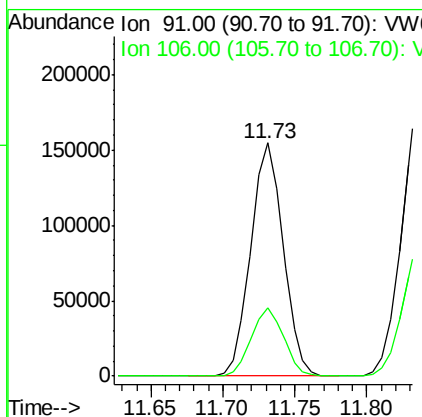
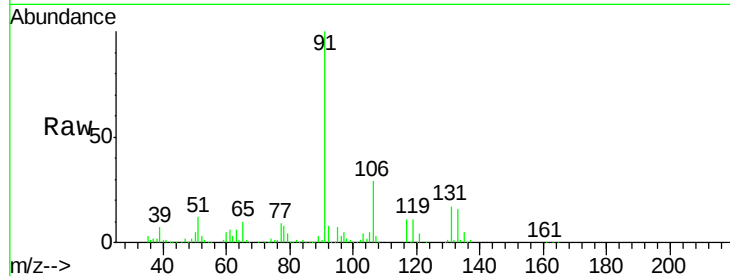
#67
Ethyl Benzene
Concen: 21.497 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion: 91 Resp: 240847
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6

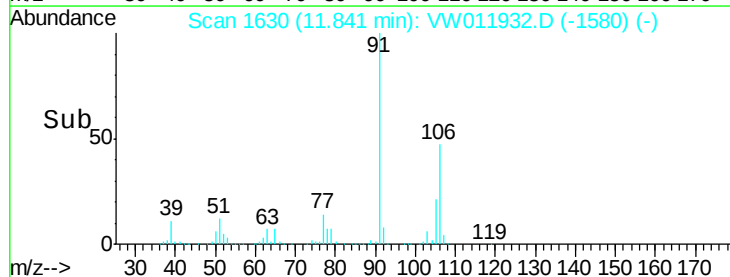
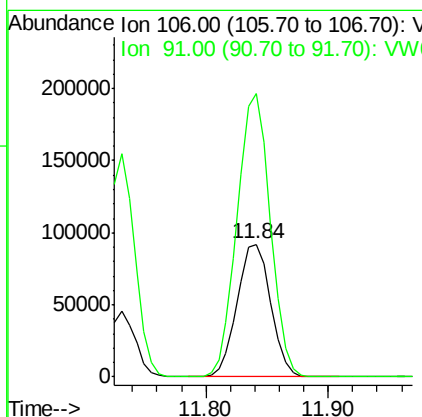
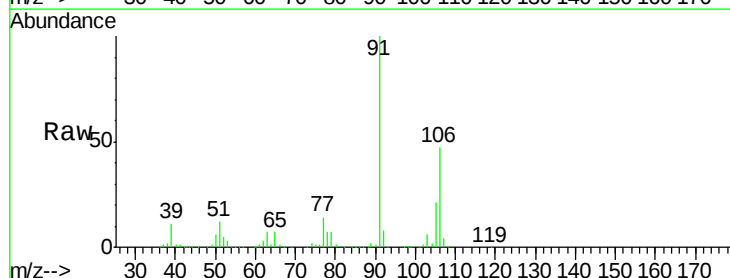
Manual Integrations
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#68
m/p-Xylenes
Concen: 43.118 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion: 106 Resp: 175683
Ion Ratio Lower Upper
106 100
91 210.6 168.2 252.2





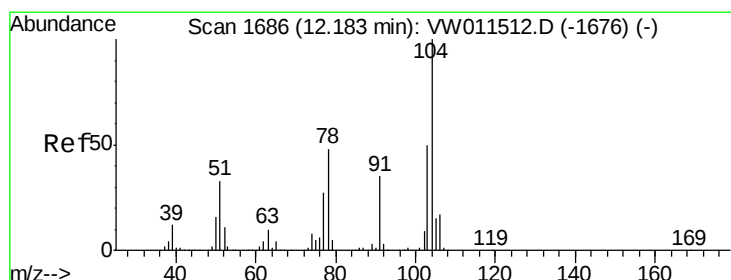
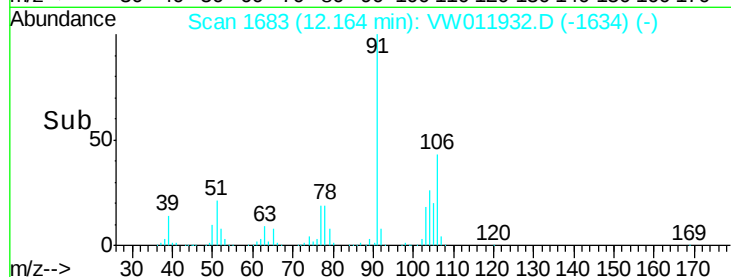
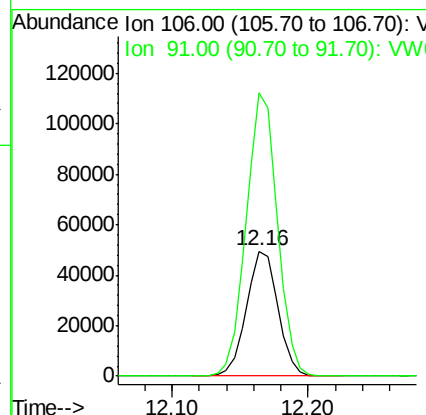
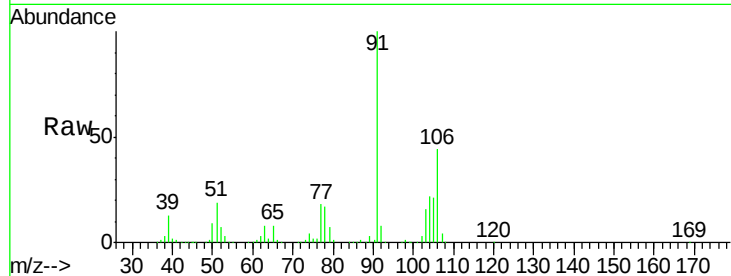
#69
o-Xylene
Concen: 21.200 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.0	110.5	80266	331.5	

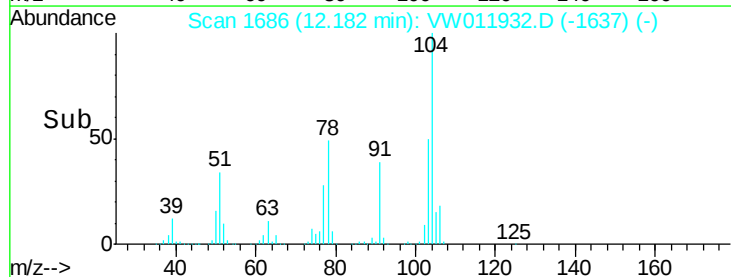
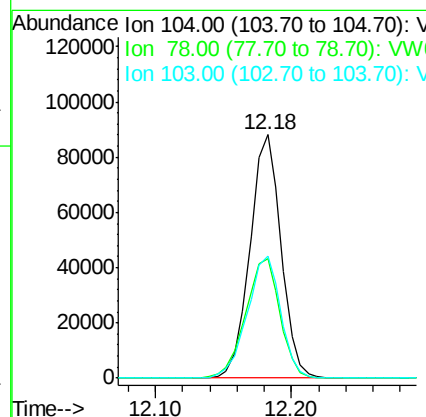
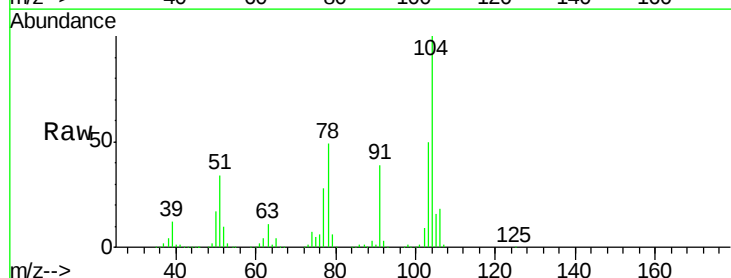
Manual Integrations
APPROVED

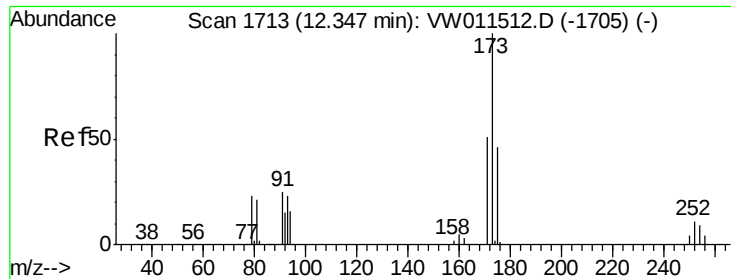
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#70
Styrene
Concen: 21.543 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.4	43.4	141028	65.0	
103	54.1	43.9		65.9	





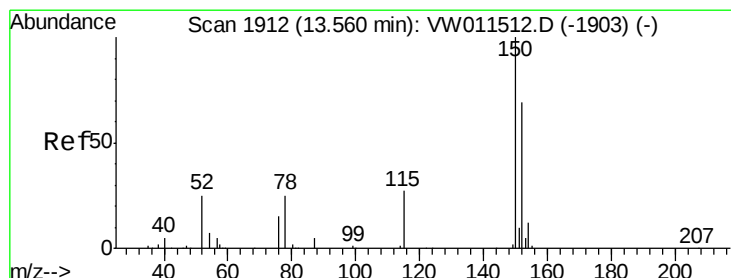
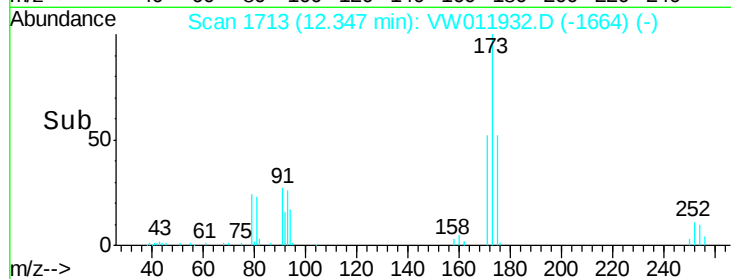
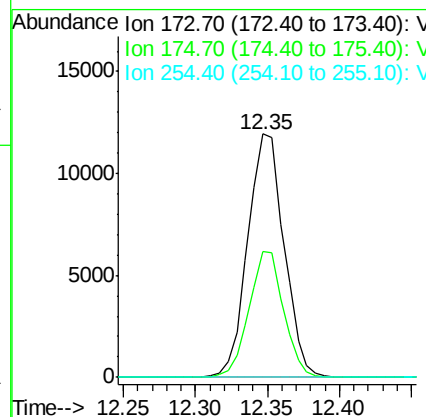
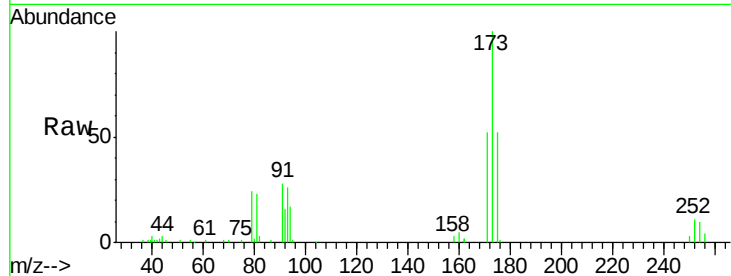
#71
Bromoform
Concen: 19.840 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.6	71.0
254	0.0	0.1	0.1#

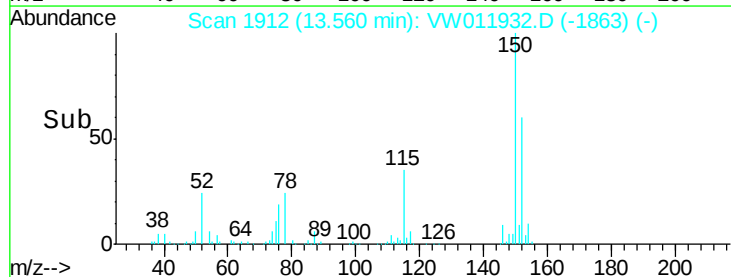
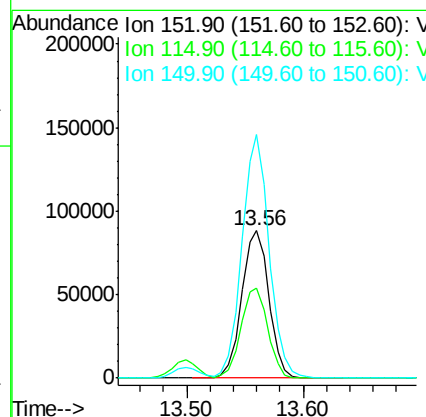
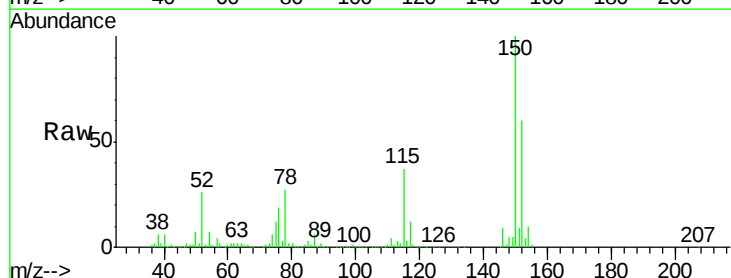
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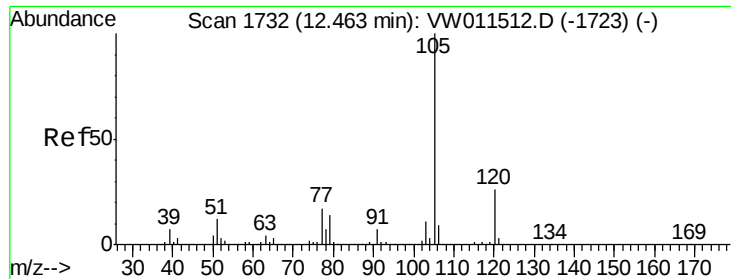
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.5	91.5
150	165.6	0.0	352.6





#73

Isopropylbenzene

Concen: 21.039 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

VW0816SBS01

Tot Ion: 105 Resp: 224528

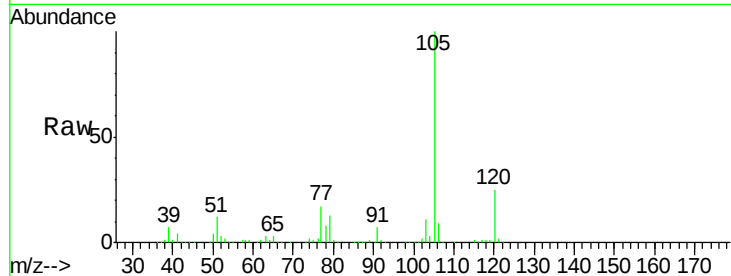
Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7

Manual Integrations
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8/16/2019 8:27:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

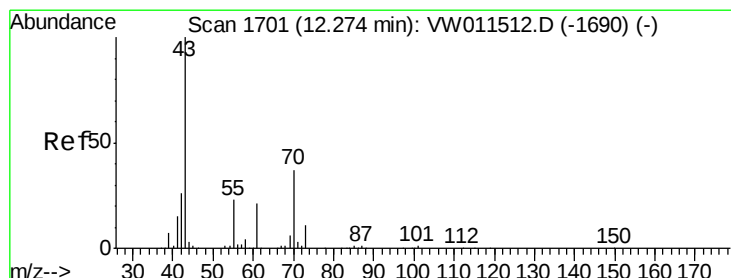
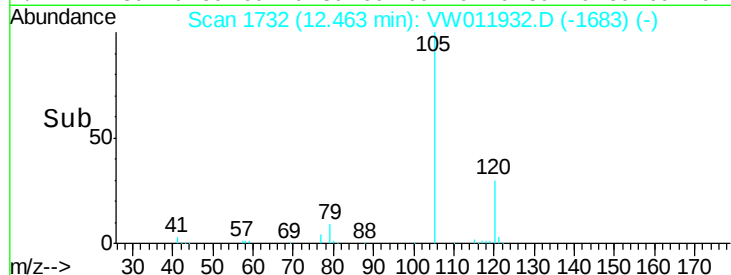
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.717 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion: 43 Resp: 65878

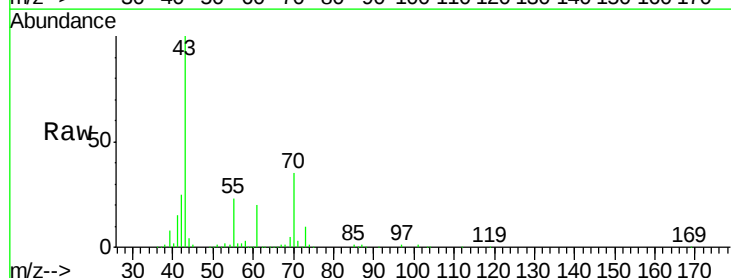
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 23.7 17.8 26.8

61 21.1 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

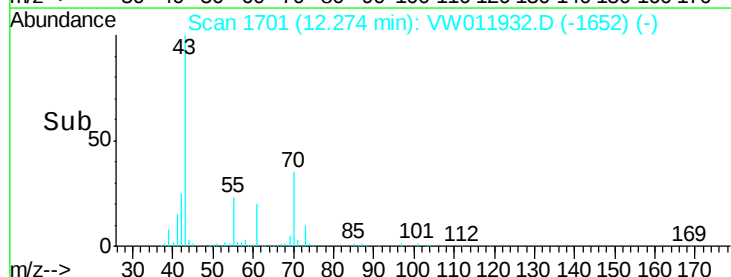
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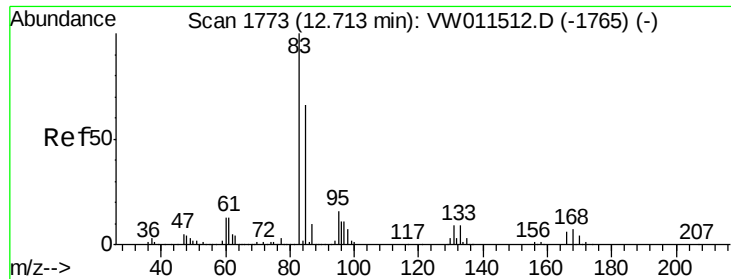
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.461 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

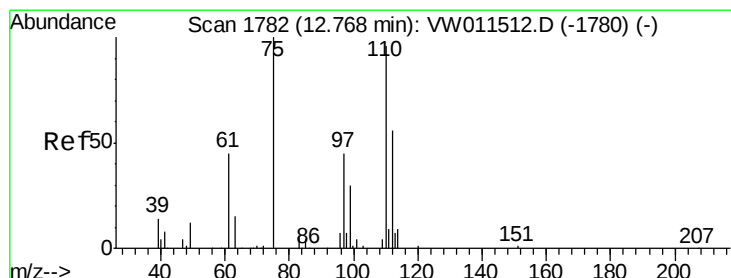
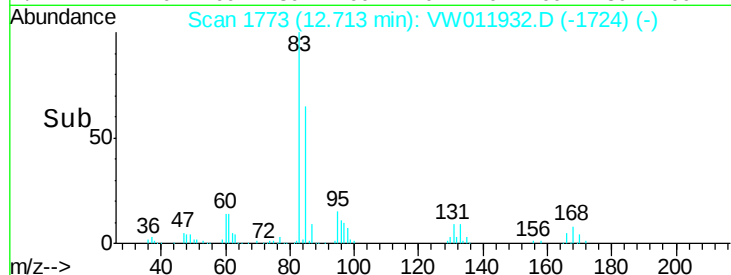
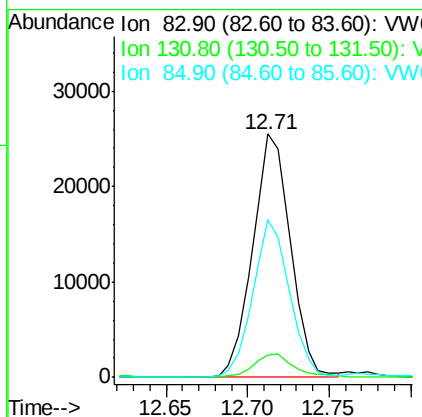
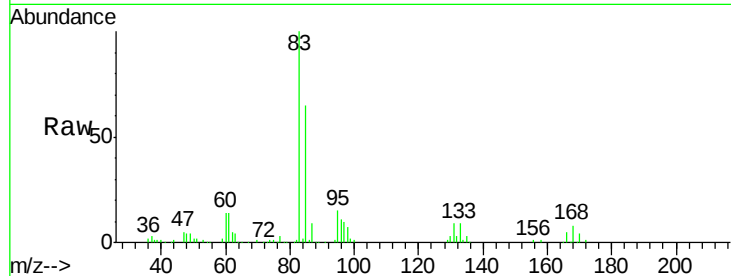
ClientSampleId :

VW0816SBS01

Tot Ion:	83	Resp:	41073
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	63.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 22.990 ug/l m

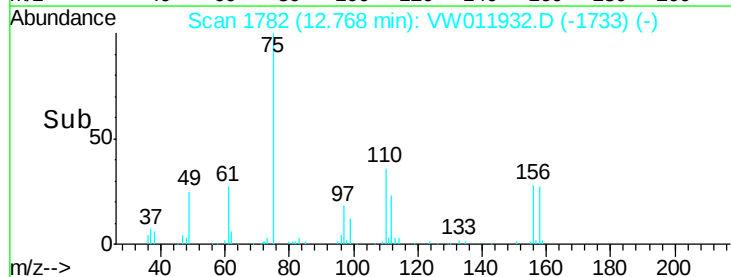
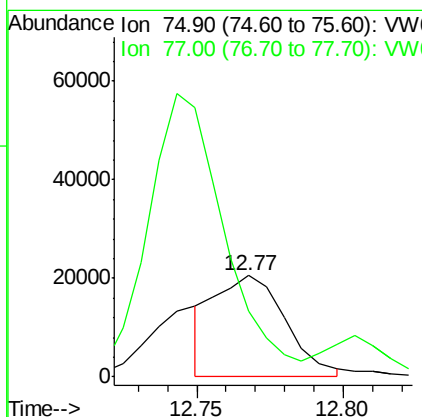
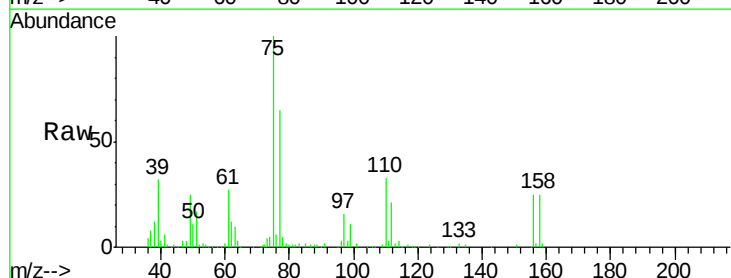
RT: 12.77 min Scan# 1782

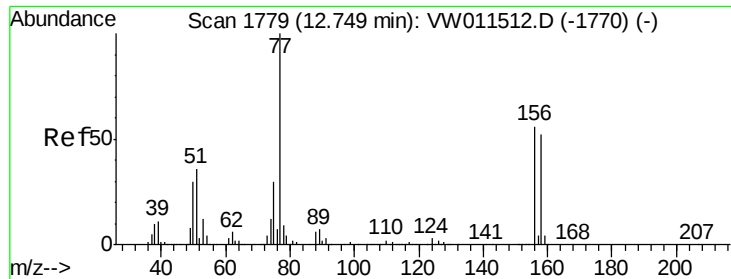
Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion:	75	Resp:	34798
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





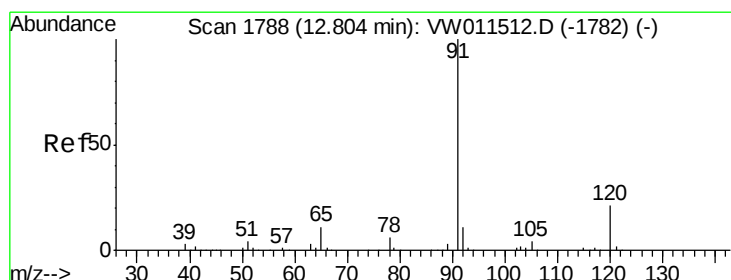
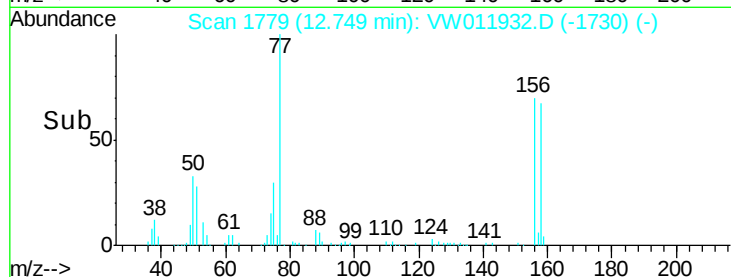
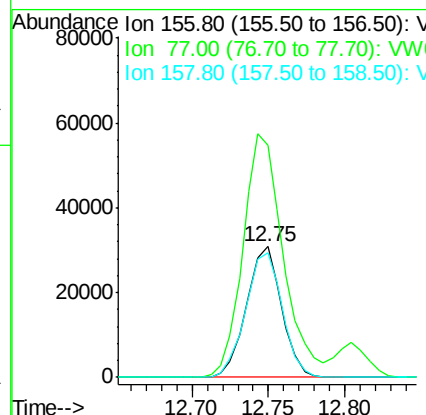
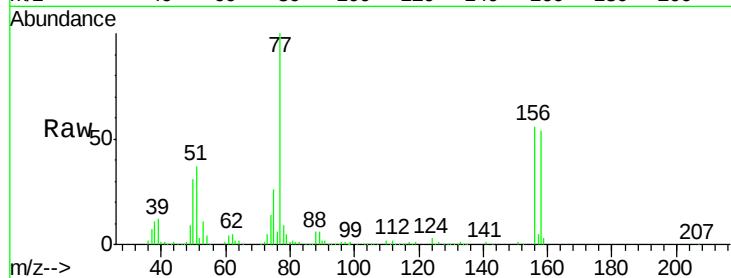
#77
Bromobenzene
Concen: 20.843 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.6	106.5	319.4
158	99.2	48.0	144.2

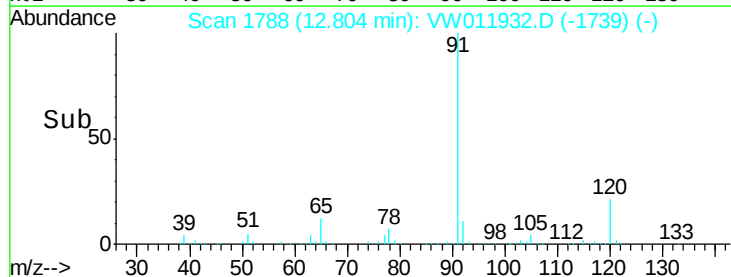
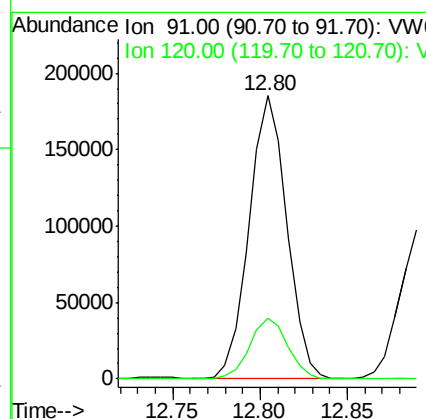
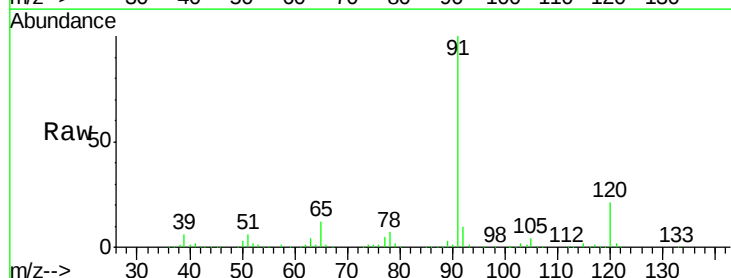
Manual Integrations
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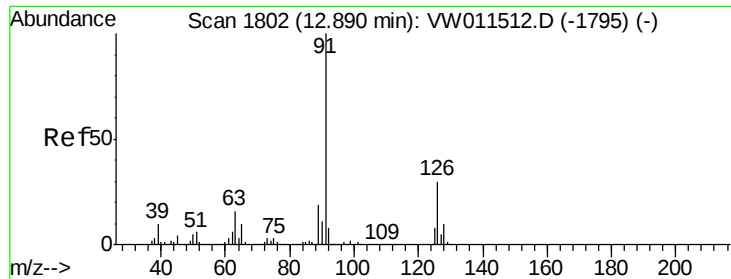
MMDadoda
8/16/2019 8:27:13 AM



#78
n-propylbenzene
Concen: 21.332 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.7





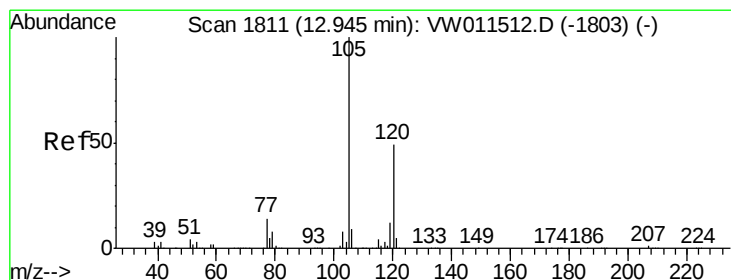
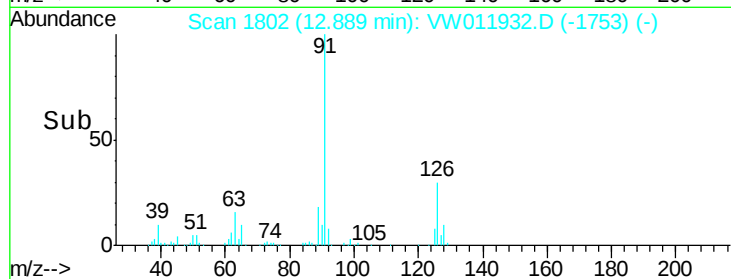
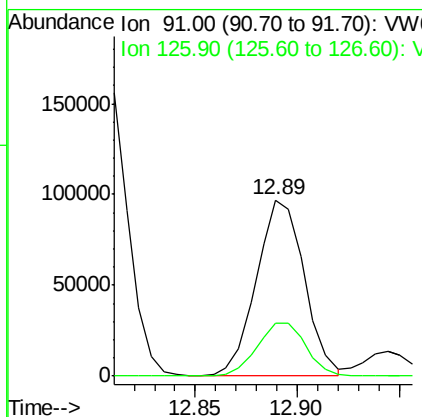
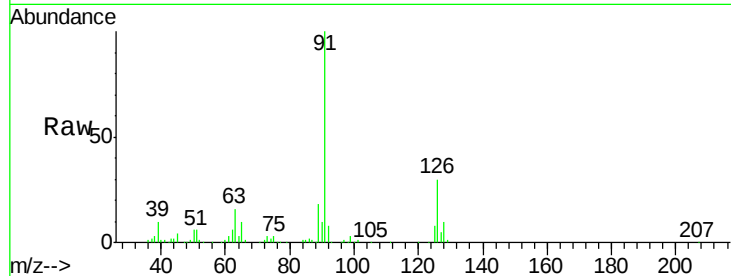
#79
 2-Chlorotoluene
 Concen: 21.165 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion: 91 Resp: 158363
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.7 47.1

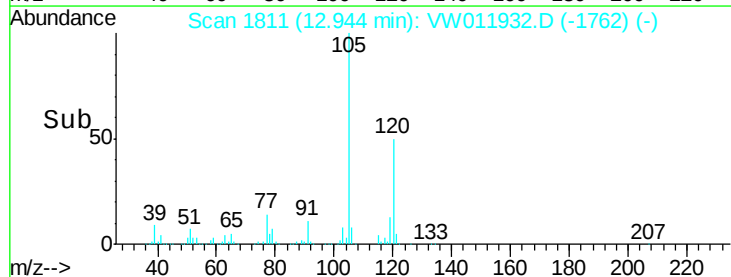
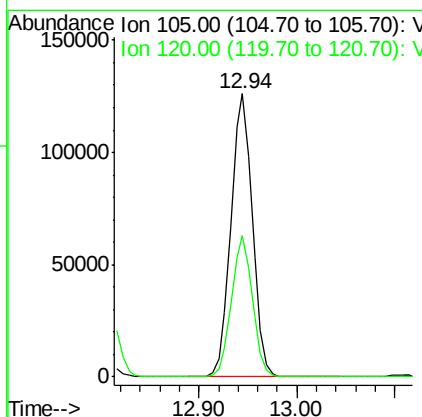
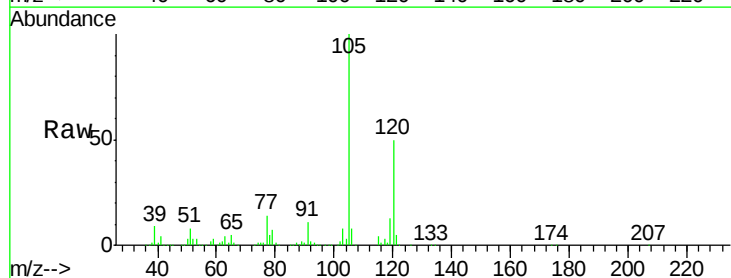
Manual Integrations
 APPROVED

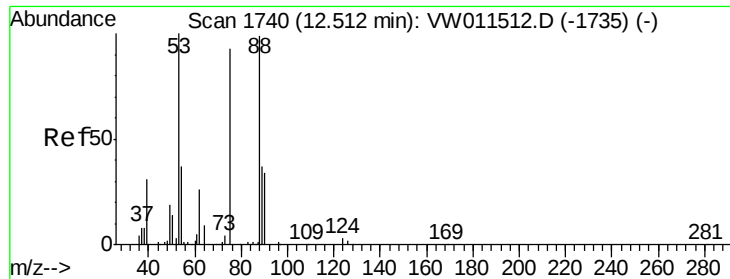
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.448 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion:105 Resp: 191869
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.868 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

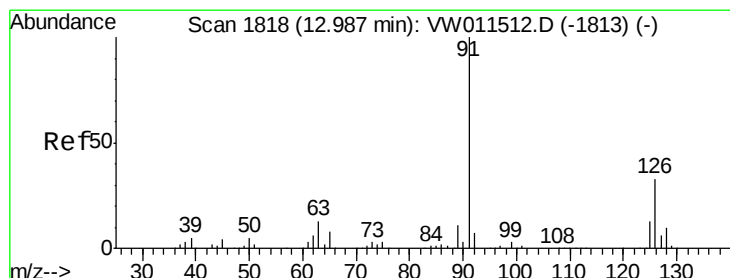
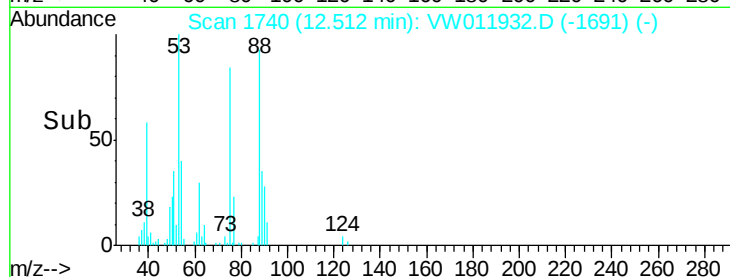
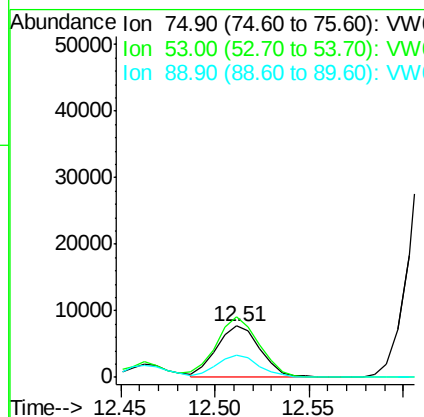
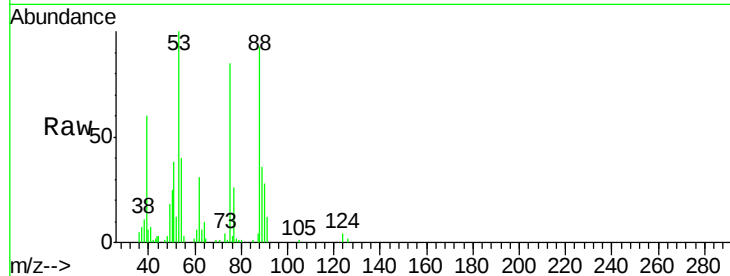
ClientSampleId :

VW0816SBS01

Tot Ion:	75	Resp:	12392
Ion	Ratio	Lower	Upper
75	100		
53	117.5	88.0	132.0
89	41.7	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.195 ug/l

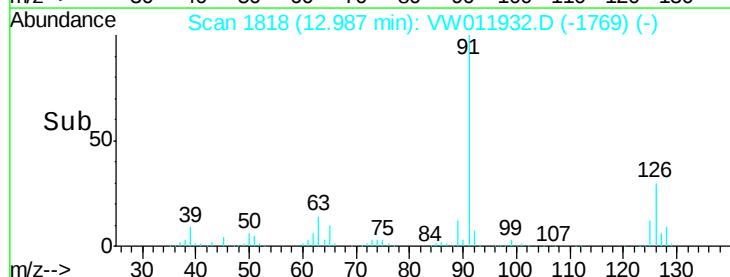
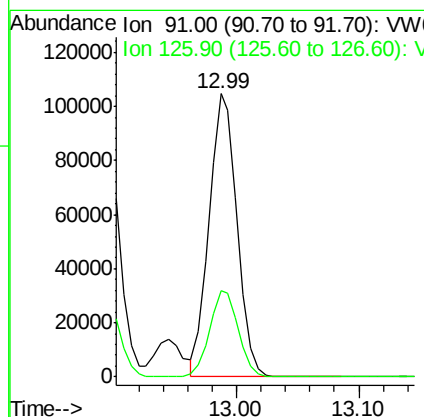
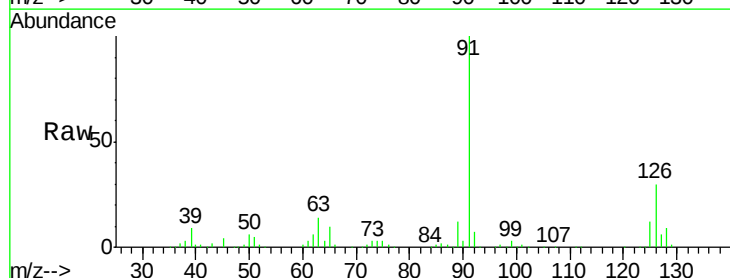
RT: 12.99 min Scan# 1818

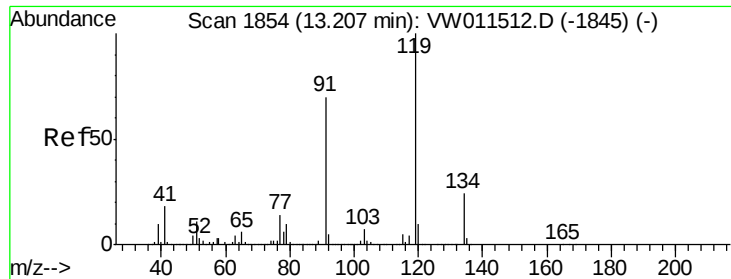
Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion:	91	Resp:	166390
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





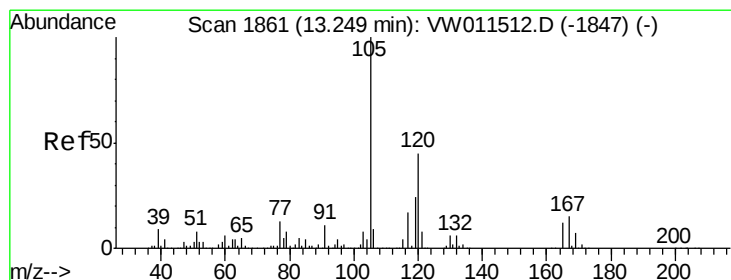
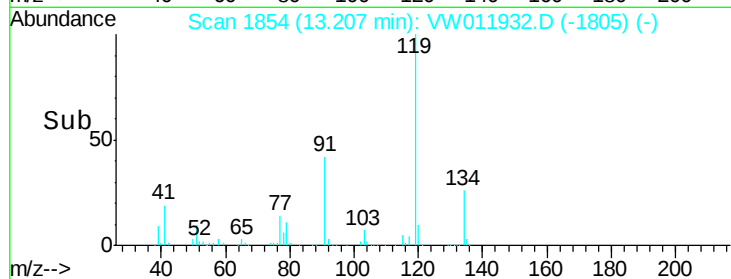
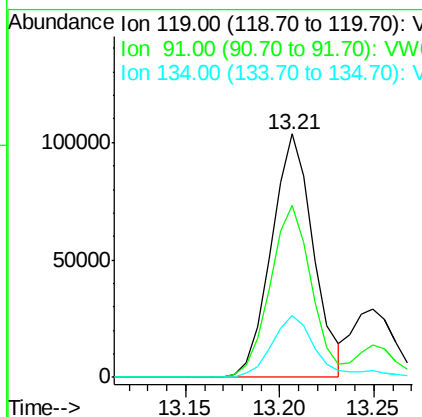
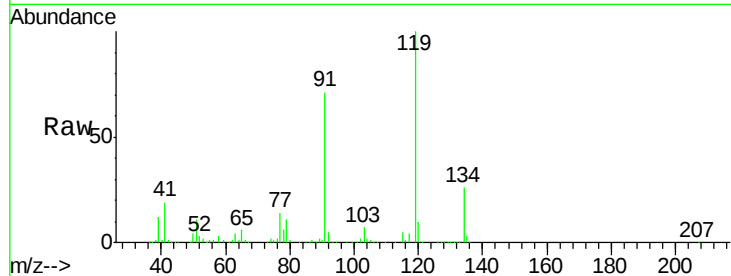
#83
tert-Butylbenzene
Concen: 21.397 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	160066		
91	69.5		34.5	103.6
134	25.4		12.4	37.4

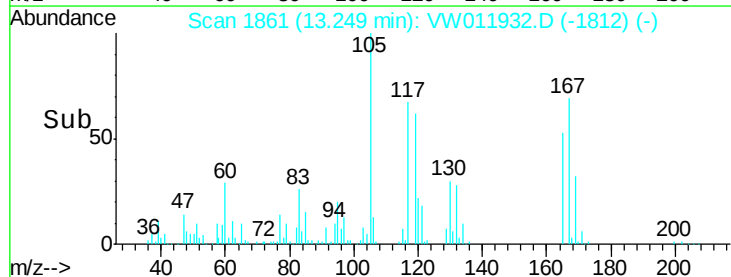
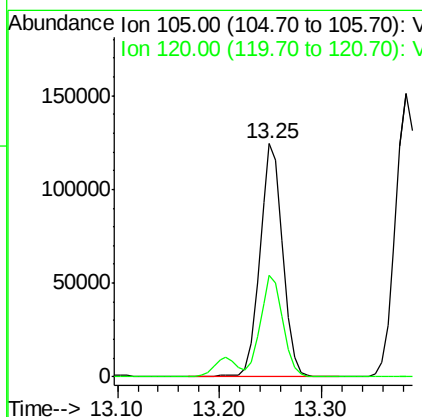
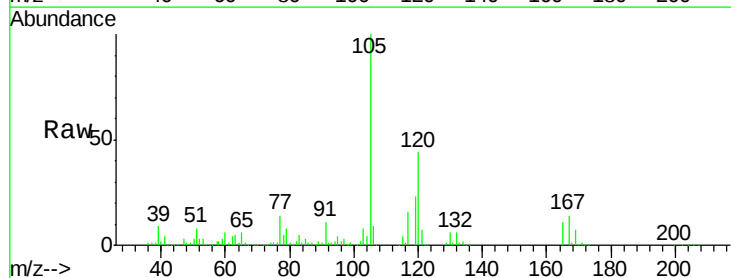
Manual Integrations
APPROVED

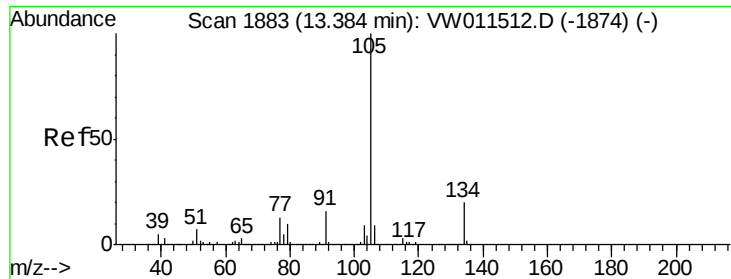
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#84
1,2,4-Trimethylbenzene
Concen: 21.460 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193387		
120	43.0		22.1	66.5





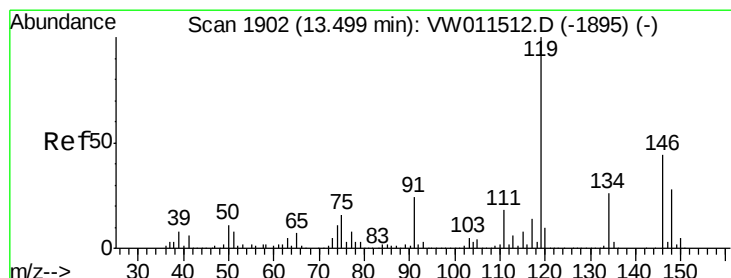
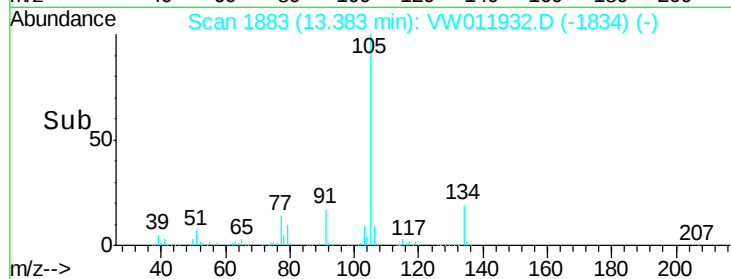
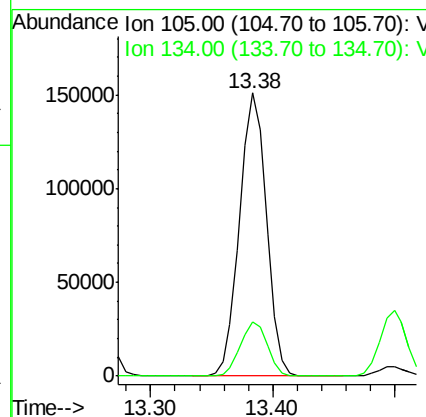
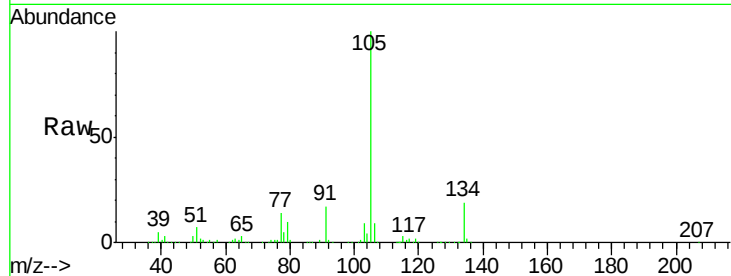
#85
 sec-Butylbenzene
 Concen: 21.520 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	229714		
134	19.4	9.7	29.1	

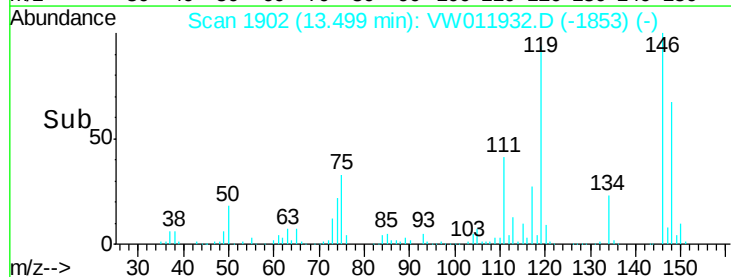
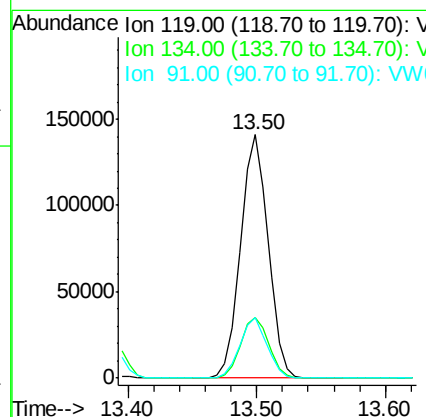
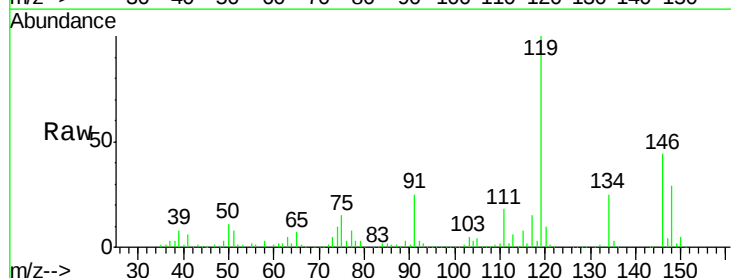
Manual Integrations
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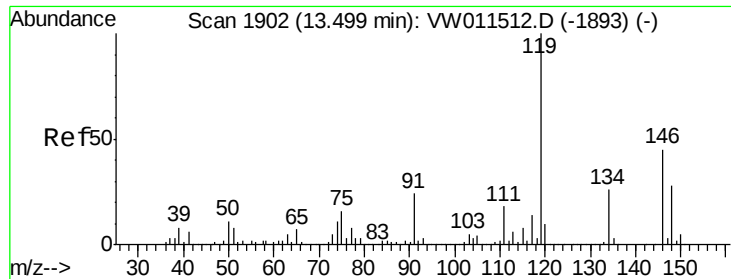
MMDadoda
 8/16/2019 8:27:13 AM



#86
 p-Isopropyltoluene
 Concen: 21.514 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	208359		
134	25.7	12.8	38.4	
91	24.6	12.1	36.3	





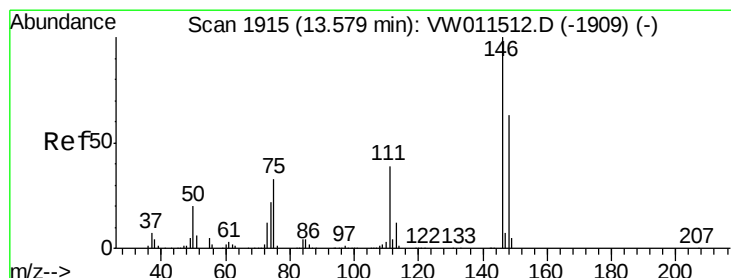
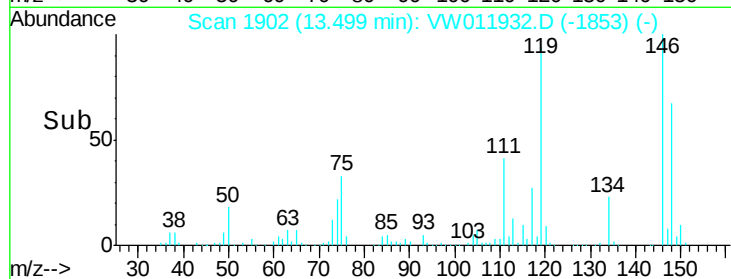
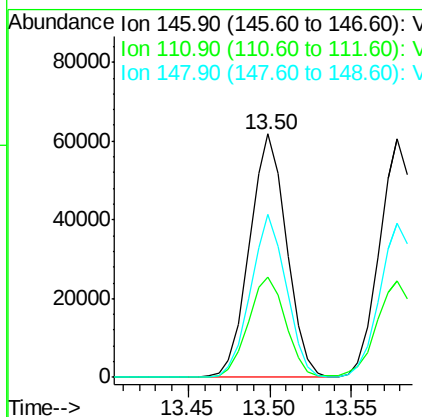
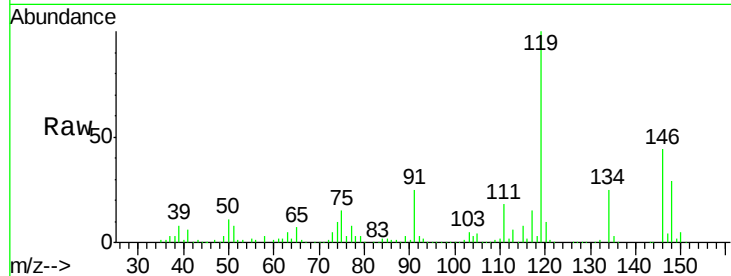
#87
 1,3-Dichlorobenzene
 Concen: 21.165 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.2	31.8	95.3

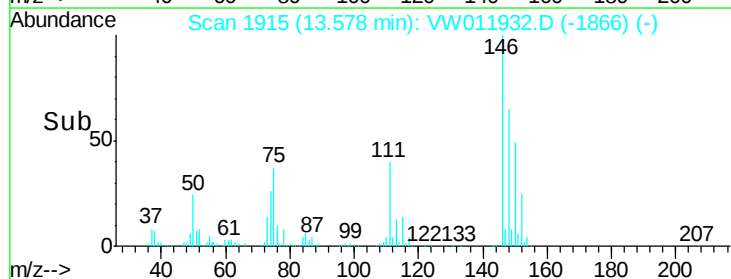
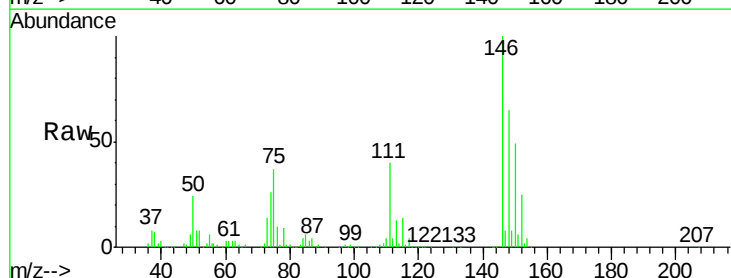
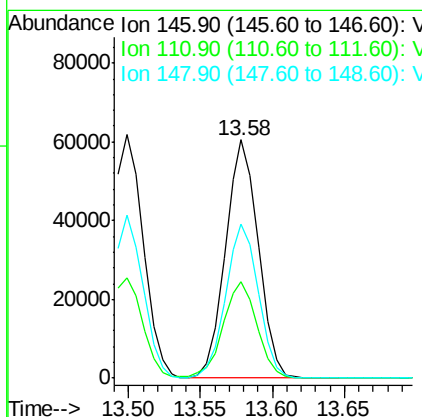
Manual Integrations
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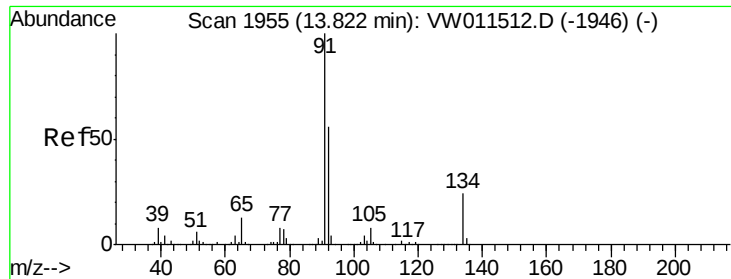
MMDadoda
 8/16/2019 8:27:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.965 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.2
148	64.6	31.9	95.9





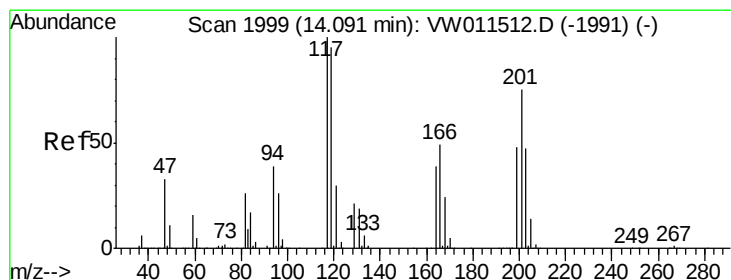
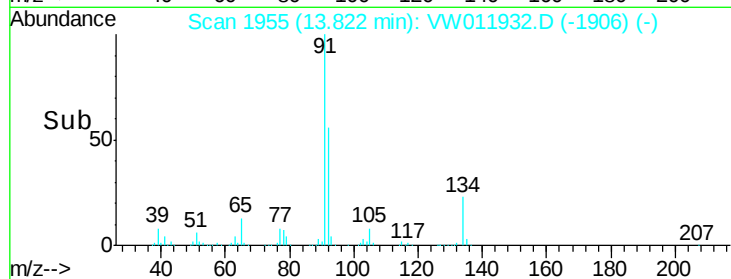
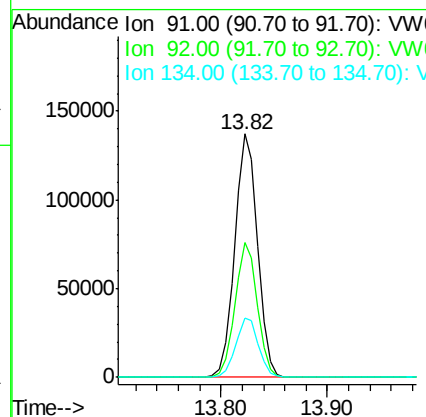
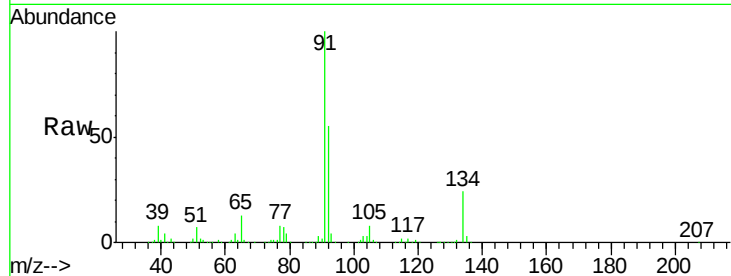
#89
n-Butylbenzene
Concen: 21.291 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	205777		
92	54.0		27.5	82.4
134	24.4		12.2	36.6

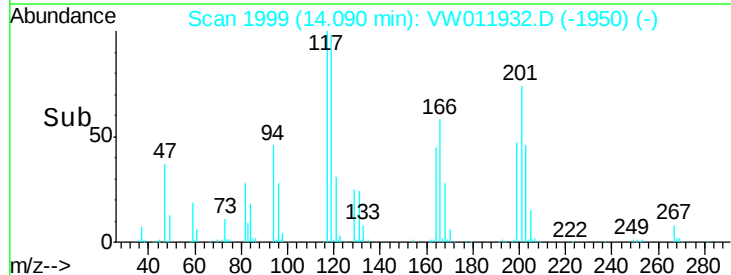
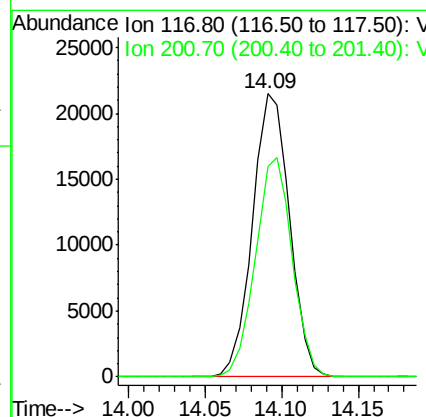
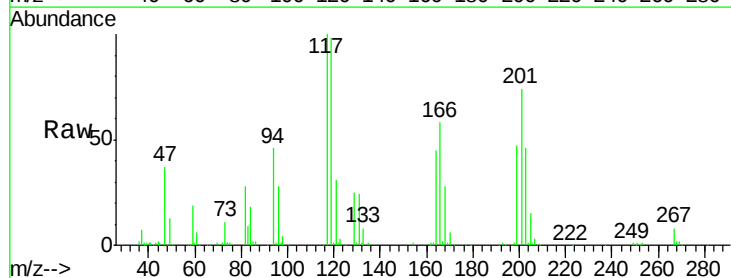
Manual Integrations
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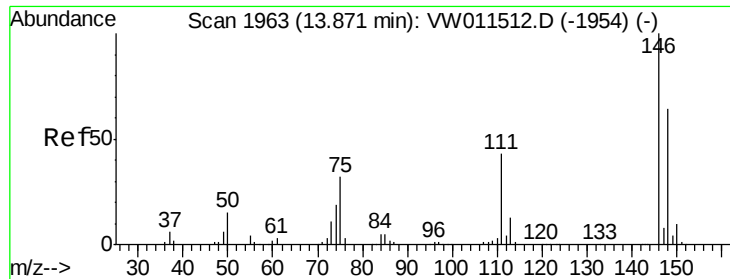
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#90
Hexachloroethane
Concen: 21.209 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36321		
201	76.9		39.4	118.2





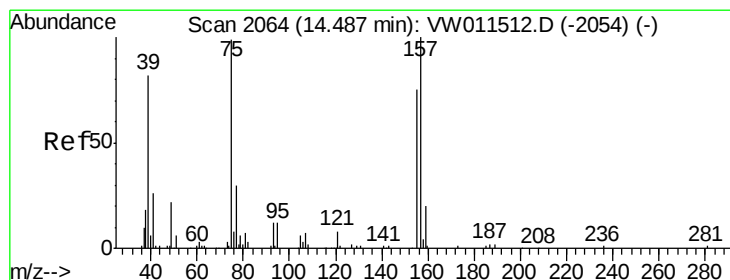
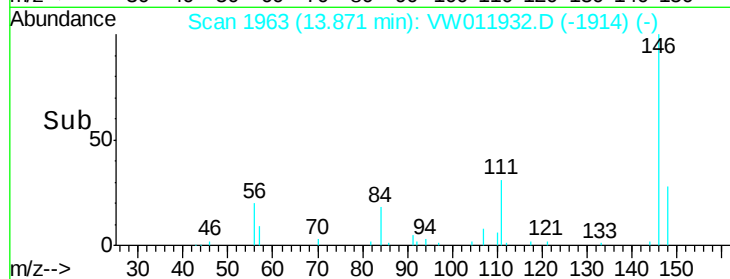
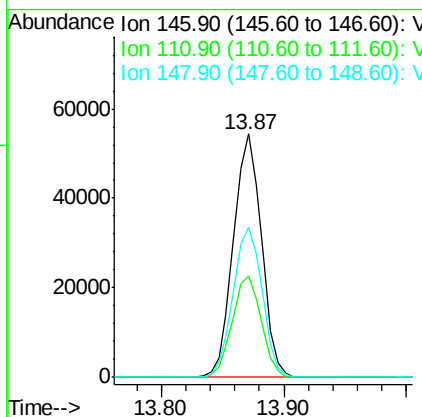
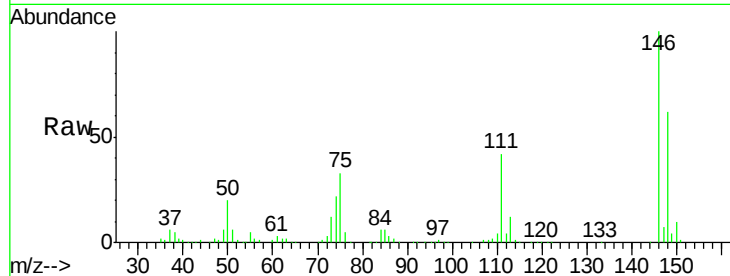
#91
 1,2-Dichlorobenzene
 Concen: 21.091 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0816SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	64.0	32.0	96.2

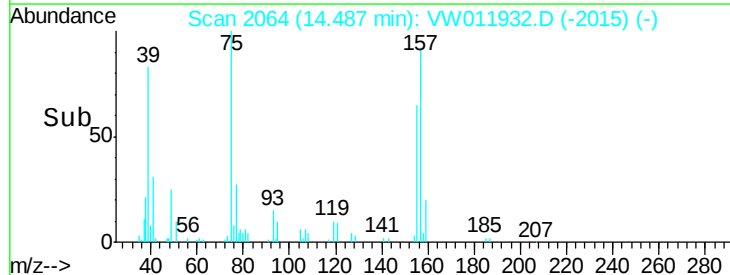
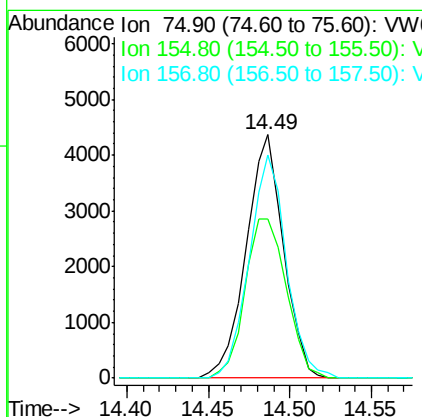
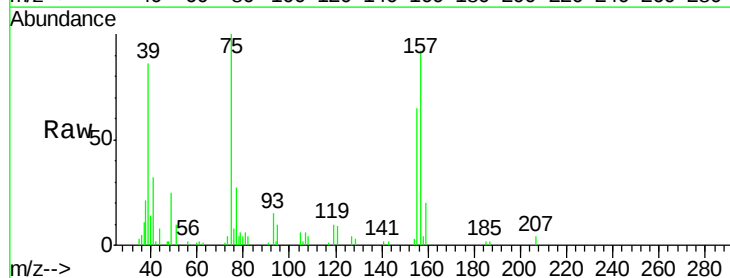
Manual Integrations
 APPROVED

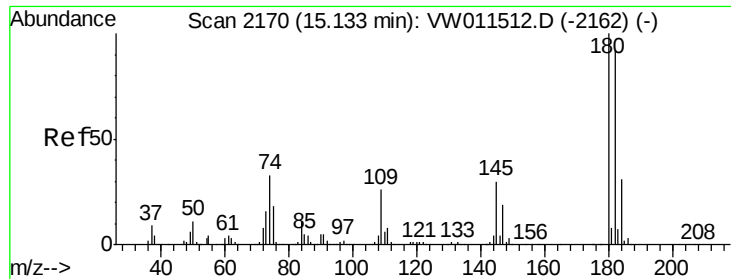
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.332 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011932.D
 Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	38.2	114.6
157	90.9	48.9	146.7





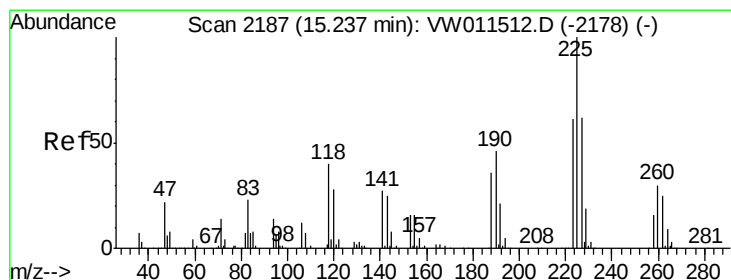
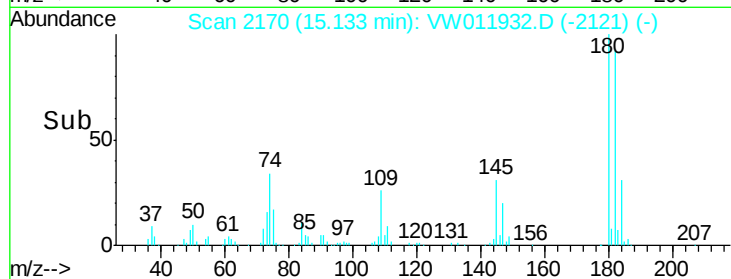
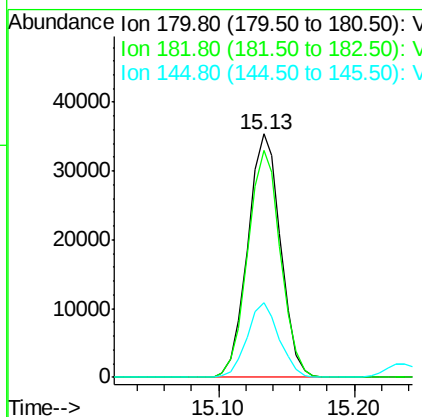
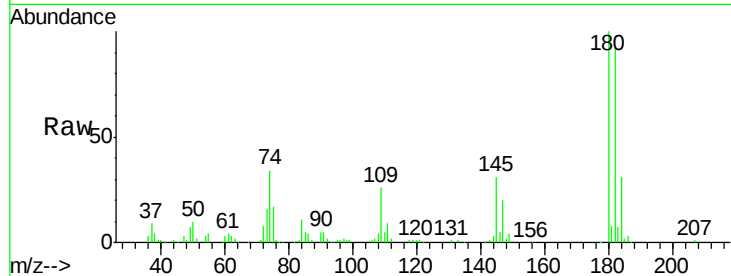
#93
1,2,4-Trichlorobenzene
Concen: 20.677 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
VW0816SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59612		
182	93.8	47.4	142.2	
145	30.1	15.4	46.1	

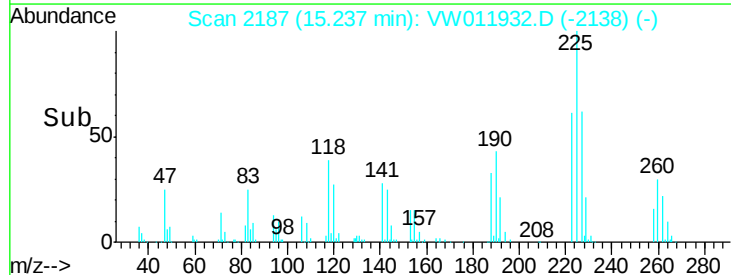
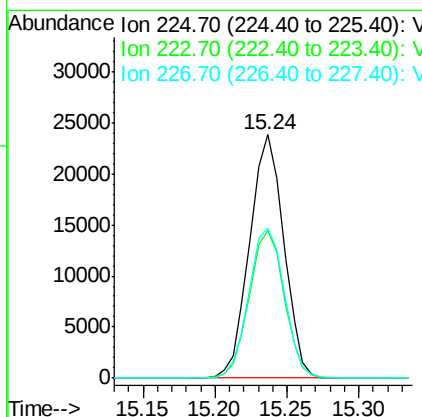
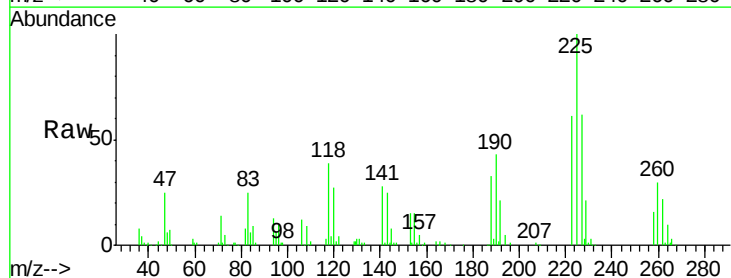
Manual Integrations
APPROVED

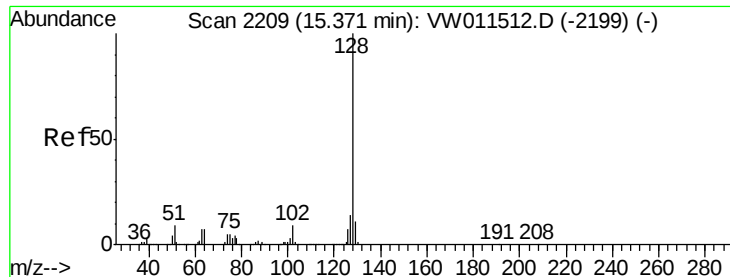
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#94
Hexachlorobutadiene
Concen: 21.800 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011932.D
Acq: 15 Aug 2019 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39194		
223	61.9	30.8	92.3	
227	63.8	31.6	94.7	





#95

Naphthalene

Concen: 18.642 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Instrument :

MSVOA_W

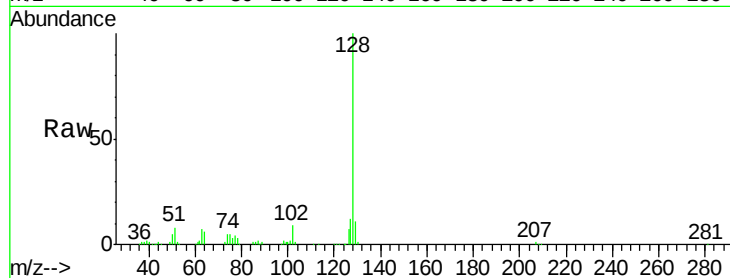
ClientSampleId :

VW0816SBS01

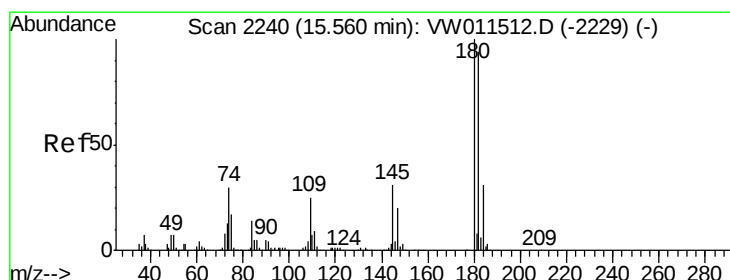
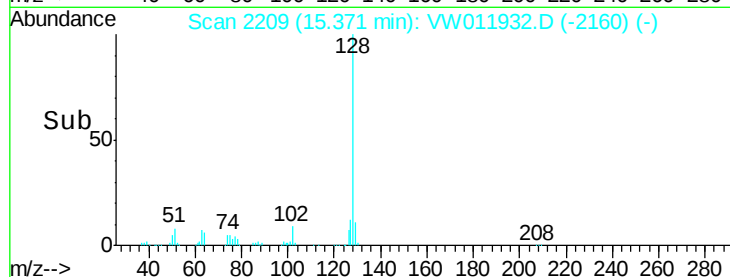
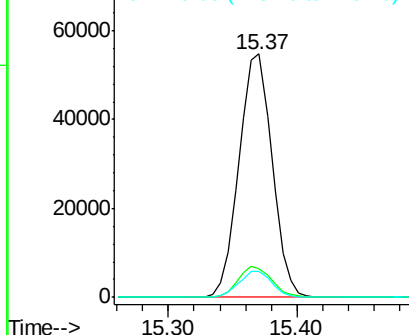
Tot Ion:	128	Resp:	97644
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:27:13 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 20.144 ug/l

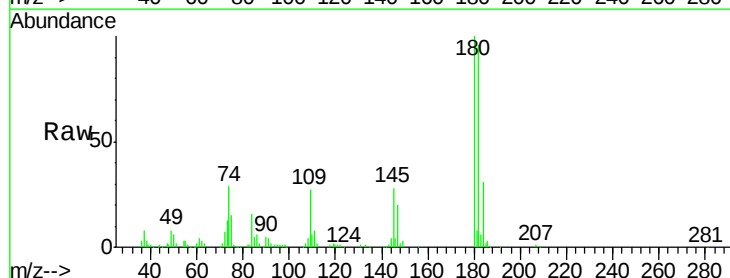
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011932.D

Acq: 15 Aug 2019 17:00

Tgt Ion:	180	Resp:	50906
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.4	142.2
145	32.2	15.9	47.7



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

