

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009137.D
 Acq On : 13 Mar 2019 05:47
 Operator : SY/VA
 Sample : VW0312SBS03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:13:00 PM

Quant Time: Mar 13 07:12:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144252	60.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.16%	
35) Dibromofluoromethane	7.88	113	121446	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.32	98	483777	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.62	95	178368	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	54720	22.753	ug/l	97
3) Chloromethane	2.21	50	73286	23.987	ug/l	98
4) Vinyl Chloride	2.36	62	68669	22.147	ug/l	99
5) Bromomethane	2.77	94	72329	27.635	ug/l	96
6) Chloroethane	2.91	64	53110	24.061	ug/l	100
7) Trichlorofluoromethane	3.25	101	85462	21.408	ug/l	100
8) Diethyl Ether	3.68	74	27971	22.915	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51948	20.893	ug/l	98
10) Methyl Iodide	4.27	142	42488	17.937	ug/l	98
11) Tert butyl alcohol	5.21	59	19539	106.199	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	45709	21.312	ug/l	97
13) Acrolein	3.90	56	16842	83.188	ug/l	97
14) Allyl chloride	4.67	41	79895	21.119	ug/l	96
15) Acrylonitrile	5.38	53	61183	114.842	ug/l	98
16) Acetone	4.14	43	53278	98.337	ug/l	99
17) Carbon Disulfide	4.38	76	154687	21.436	ug/l	99
18) Methyl Acetate	4.68	43	28502	22.877	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	135431	23.871	ug/l	100
20) Methylene Chloride	4.92	84	62756	21.534	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	55643	22.469	ug/l	97
22) Diisopropyl ether	6.31	45	178911	23.797	ug/l	98
23) Vinyl Acetate	6.26	43	519555	111.051	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99133	22.733	ug/l	99
25) 2-Butanone	7.18	43	79226	105.808	ug/l	100
26) 2,2-Dichloropropane	7.17	77	73336	18.502	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59122	22.229	ug/l	98
28) Bromochloromethane	7.51	49	43098	23.761	ug/l	95
29) Tetrahydrofuran	7.53	42	54195	114.855	ug/l	98
30) Chloroform	7.67	83	102218	22.768	ug/l	93
31) Cyclohexane	7.95	56	92143	20.579	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	91042	21.974	ug/l	98
36) 1,1-Dichloropropene	8.08	75	81579	20.933	ug/l	97
37) Ethyl Acetate	7.26	43	38168	20.850	ug/l	97
38) Carbon Tetrachloride	8.07	117	81785	20.320	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86802	18.700	ug/l	99
40) Benzene	8.32	78	220684	21.213	ug/l	100
41) Methacrylonitrile	7.49	41	22370	22.006	ug/l	91
42) 1,2-Dichloroethane	8.40	62	72641	21.628	ug/l	100
43) Isopropyl Acetate	8.43	43	72120	21.153	ug/l	98
44) Trichloroethene	9.09	130	61504	21.093	ug/l	94
45) 1,2-Dichloropropane	9.37	63	56483	21.678	ug/l	99
46) Dibromomethane	9.46	93	30542	21.463	ug/l	96
47) Bromodichloromethane	9.64	83	76284	21.177	ug/l	94
48) Methyl methacrylate	9.44	41	33236	20.936	ug/l	92
49) 1,4-Dioxane	9.48	88	8546	419.387	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	185750	107.318	ug/l	99
52) Toluene	10.38	92	144211	20.440	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	70322	19.738	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	84268	20.583	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41638	21.588	ug/l	91
56) Ethyl methacrylate	10.65	69	48300	20.178	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75475	22.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	135010	108.798	ug/l	99
59) 2-Hexanone	10.97	43	122187	100.407	ug/l	98
60) Dibromochloromethane	11.13	129	51817	21.709	ug/l	98
61) 1,2-Dibromoethane	11.24	107	39677	20.984	ug/l	99
64) Tetrachloroethene	10.87	164	59664	23.267	ug/l	96
65) Chlorobenzene	11.66	112	156324	20.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	54563	21.113	ug/l	98
67) Ethyl Benzene	11.73	91	275901	19.732	ug/l	99
68) m/p-Xylenes	11.84	106	220468	39.947	ug/l	100
69) o-Xylene	12.16	106	103750	20.204	ug/l	97
70) Styrene	12.18	104	167007	20.101	ug/l	99
71) Bromoform	12.35	173	30193	21.759	ug/l #	97
73) Isopropylbenzene	12.46	105	275766	19.831	ug/l	99
74) N-amyl acetate	12.27	43	66773	20.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	48362	22.048	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34206m	22.296	ug/l	
77) Bromobenzene	12.75	156	65416	20.589	ug/l	99
78) n-propylbenzene	12.80	91	335492	19.587	ug/l	100
79) 2-Chlorotoluene	12.89	91	193481	20.105	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	236002	19.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12883	18.782	ug/l	97
82) 4-Chlorotoluene	12.99	91	202822	19.772	ug/l	98
83) tert-Butylbenzene	13.21	119	208680	20.643	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	241438	19.912	ug/l	99
85) sec-Butylbenzene	13.38	105	289369	19.320	ug/l	99
86) p-Isopropyltoluene	13.50	119	252317	18.831	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	132265	19.808	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	131045	19.859	ug/l	100
89) n-Butylbenzene	13.83	91	229389	18.009	ug/l	99
90) Hexachloroethane	14.10	117	47167	20.411	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	118286	20.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8386	21.466	ug/l	94

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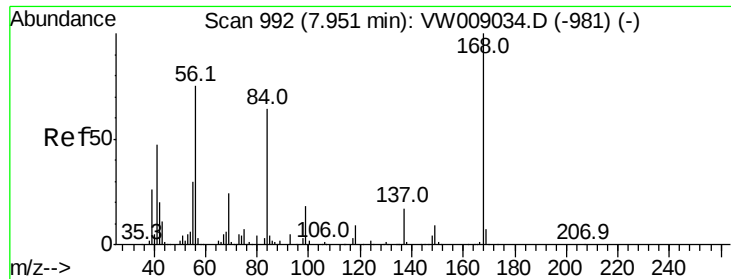
Manual Integrations
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MMDadoda
3/14/2019 3:13:00 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74419	18.705	ug/l	97
94) Hexachlorobutadiene	15.24	225	45940	18.435	ug/l	98
95) Naphthalene	15.37	128	126163	19.372	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	66915	19.127	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion:168 Resp: 238639

Ion Ratio Lower Upper

168 100

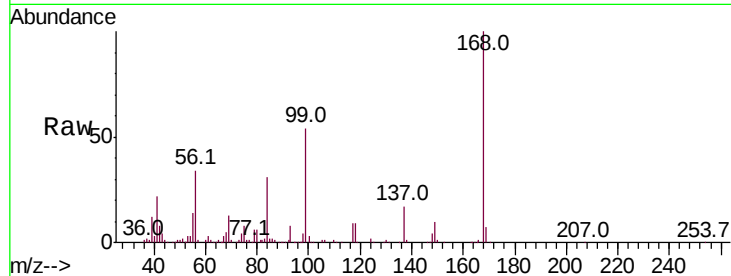
99 53.9 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

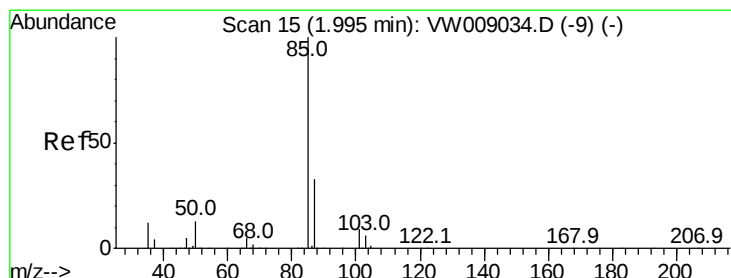
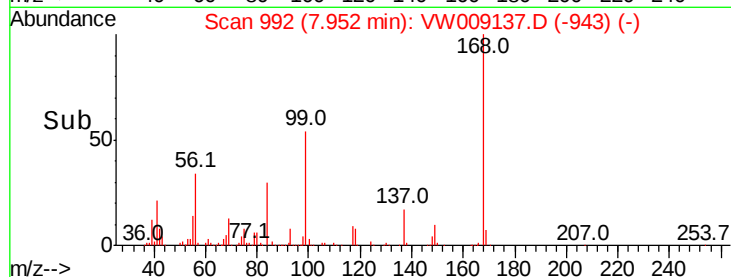
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.753 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009137.D

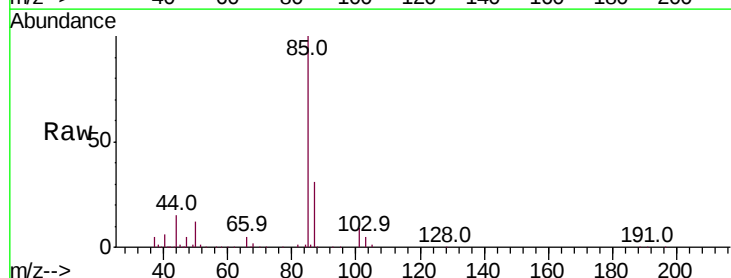
Acq: 13 Mar 2019 05:47

Tgt Ion: 85 Resp: 54720

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

20000

10000

0

1.90

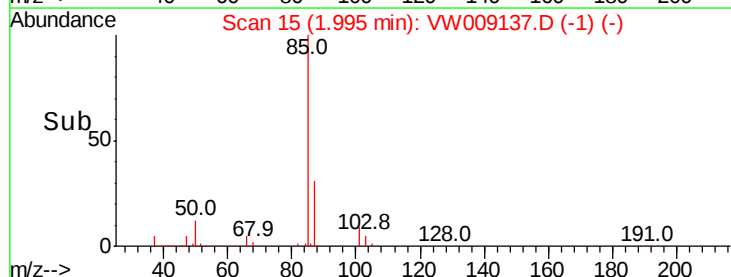
1.95

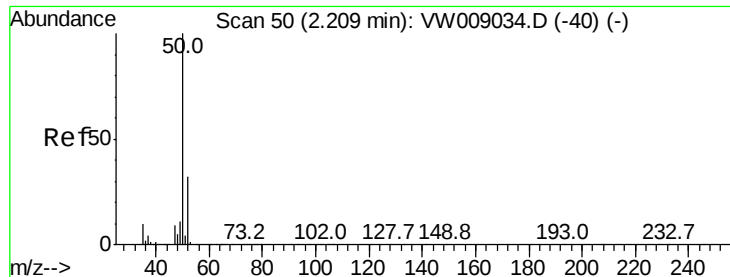
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 23.987 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 50 Resp: 73286

Ion Ratio Lower Upper

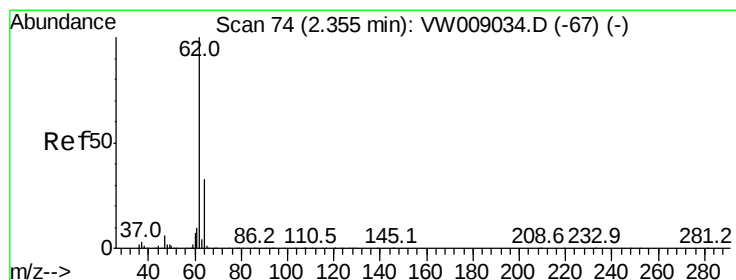
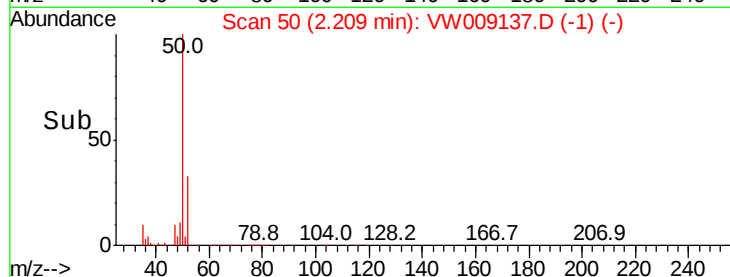
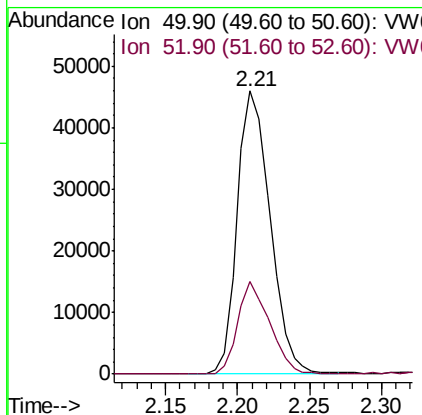
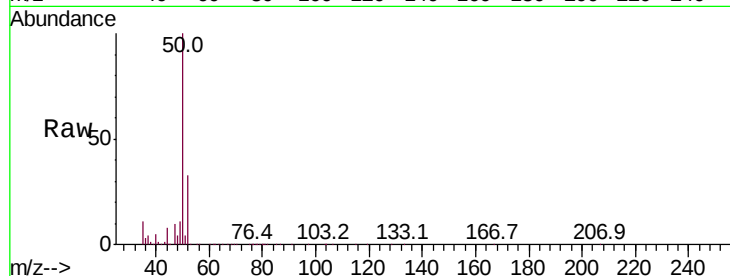
50 100

52 32.9 25.4 38.2

Manual Integrations
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3/14/2019 3:13:00 PM



#4

Vinyl Chloride

Concen: 22.147 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009137.D

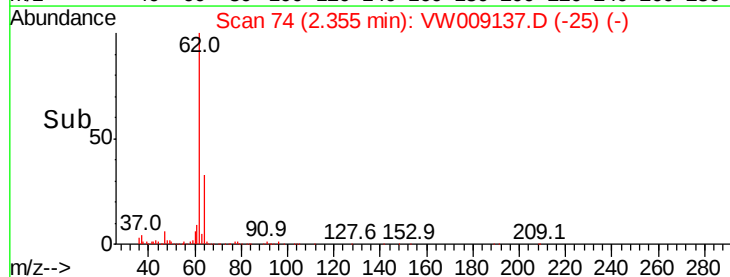
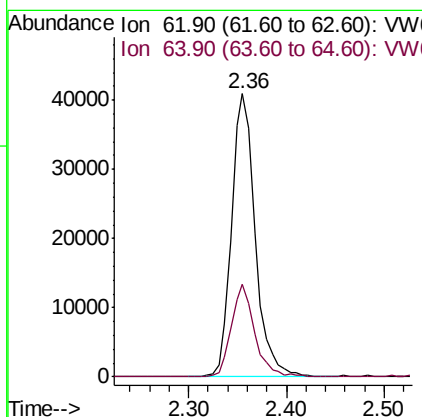
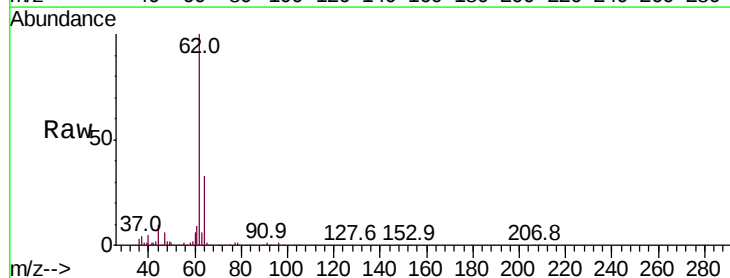
Acq: 13 Mar 2019 05:47

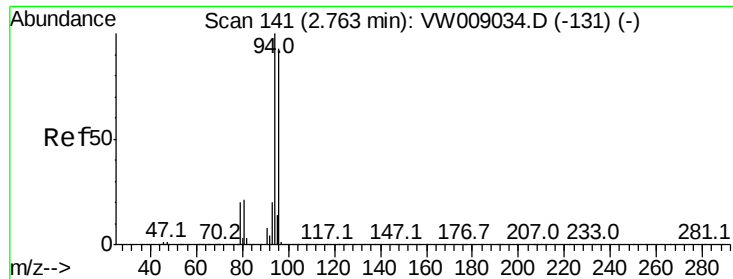
Tgt Ion: 62 Resp: 68669

Ion Ratio Lower Upper

62 100

64 32.9 26.0 39.0





#5

Bromomethane

Concen: 27.635 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 94 Resp: 72329

Ion Ratio Lower Upper

94 100

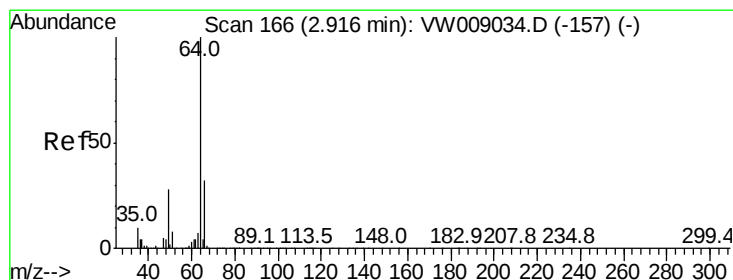
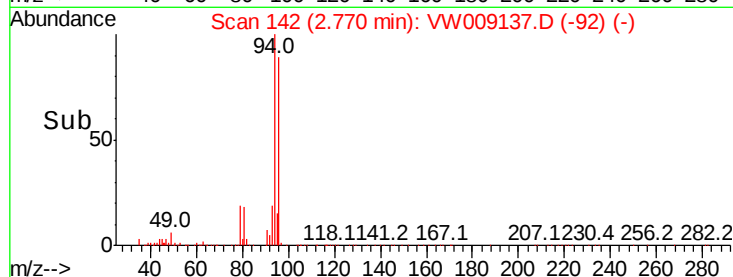
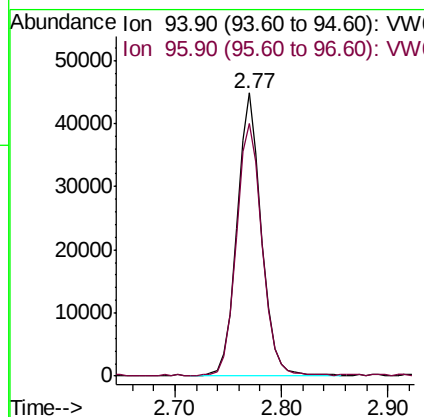
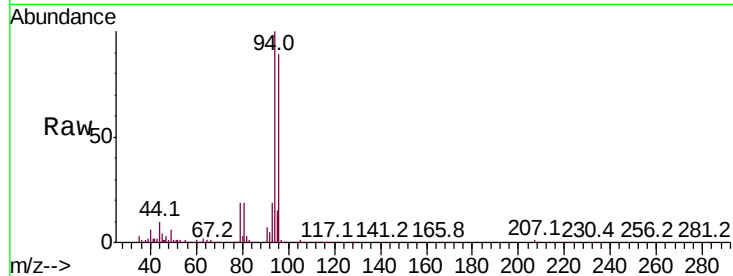
96 89.0 74.4 111.6

Manual Integrations

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3/14/2019 3:13:00 PM



#6

Chloroethane

Concen: 24.061 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009137.D

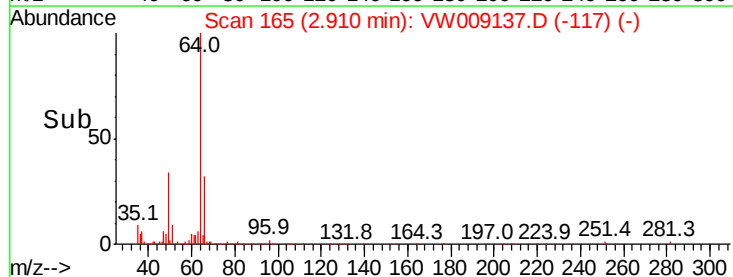
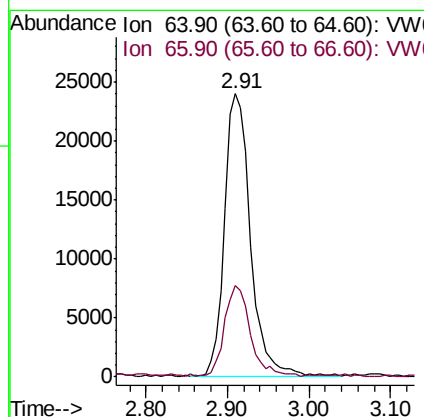
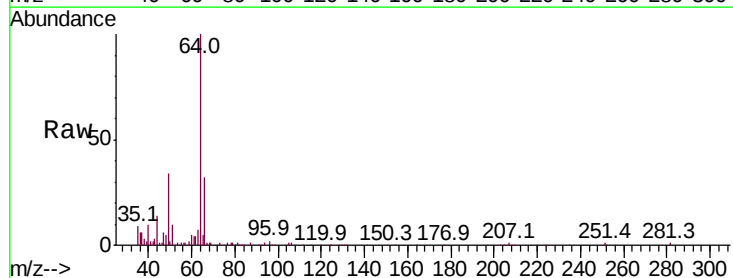
Acq: 13 Mar 2019 05:47

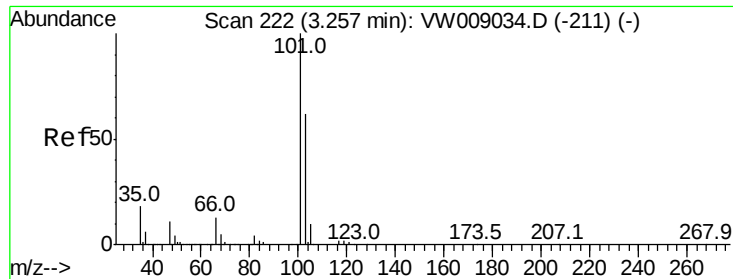
Tgt Ion: 64 Resp: 53110

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

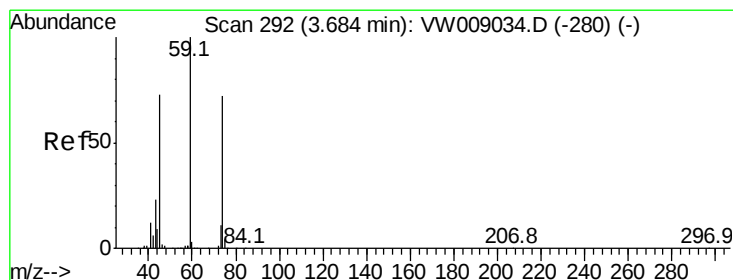
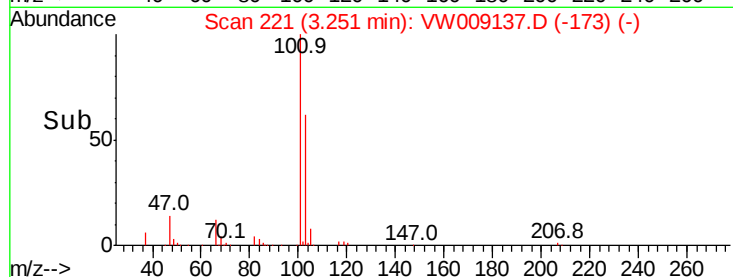
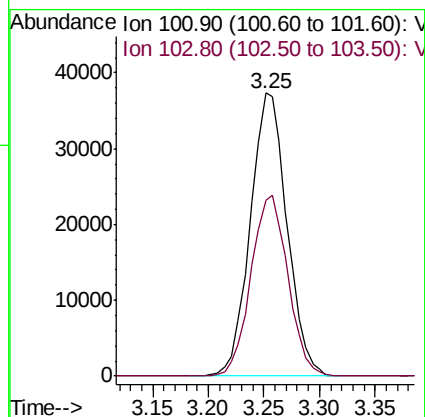
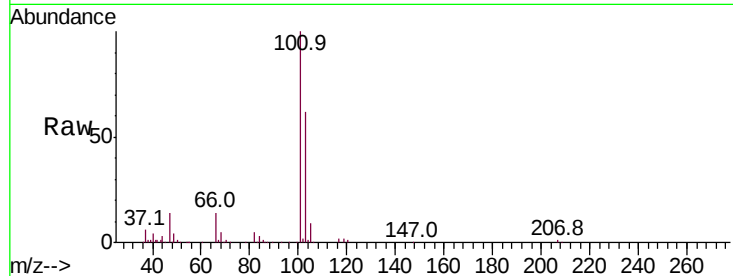
Trichlorofluoromethane
Concen: 21.408 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
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ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	49.9	74.9

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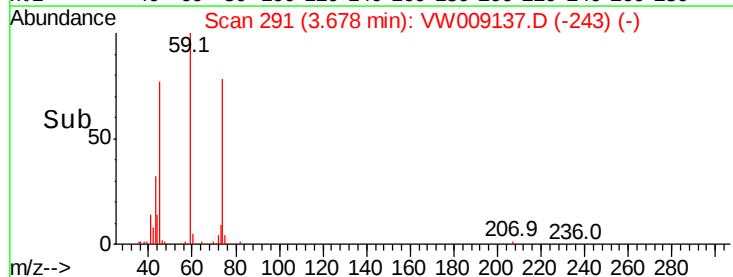
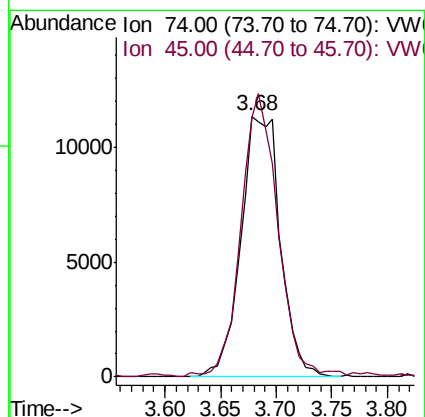
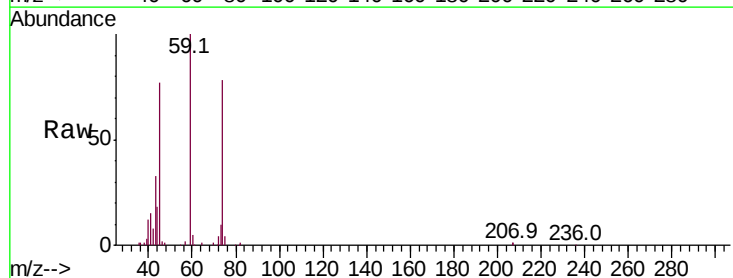
MMDadoda
3/14/2019 3:13:00 PM

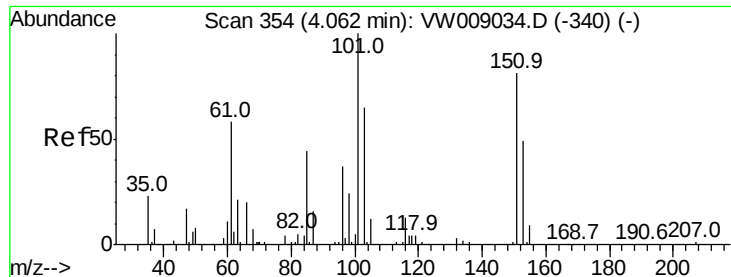


#8

Diethyl Ether
Concen: 22.915 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.893 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

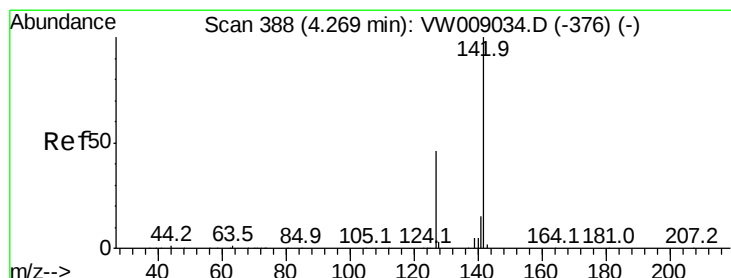
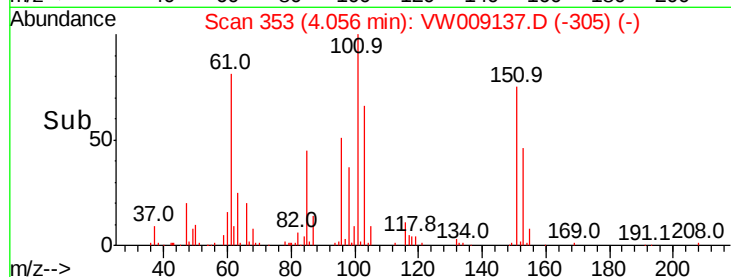
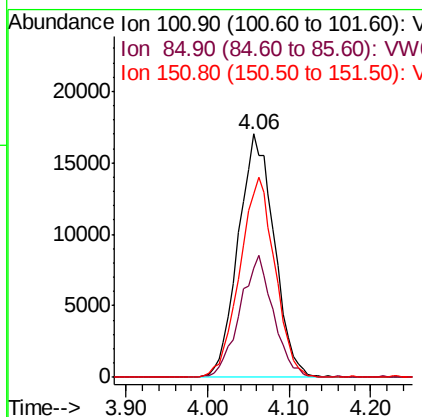
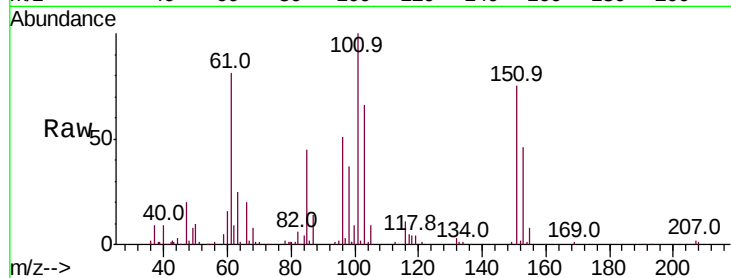
ClientSampleId :

VW0312SBS03

Tot Ion:	101	Resp:	51948
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.2	54.4
151	80.5	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.937 ug/l

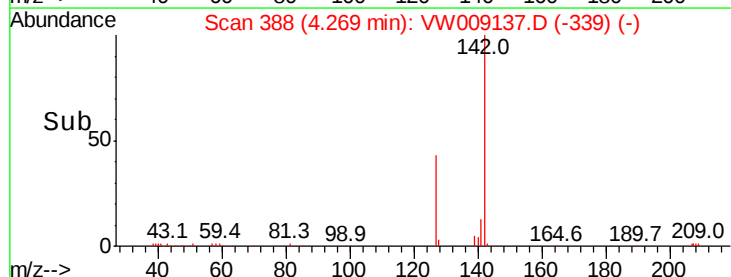
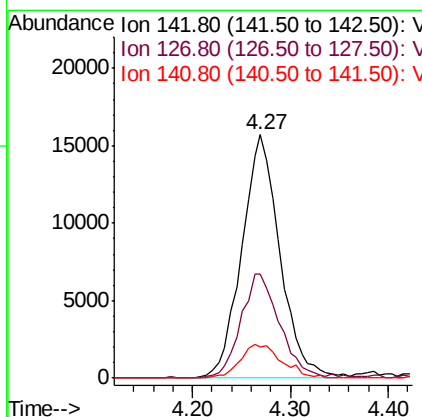
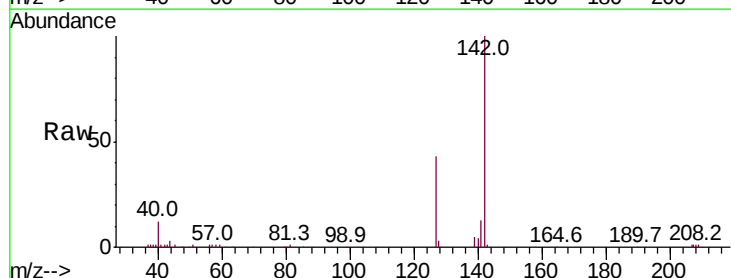
RT: 4.27 min Scan# 388

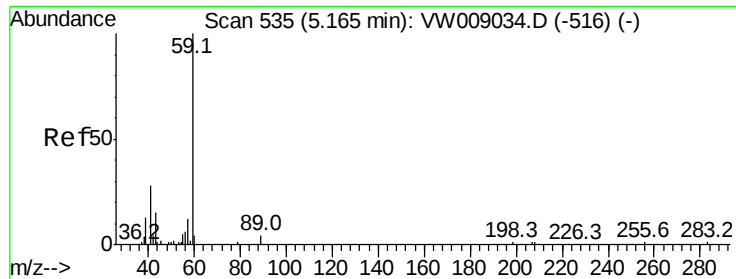
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	142	Resp:	42488
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.8	53.6
141	15.1	11.8	17.8





#11

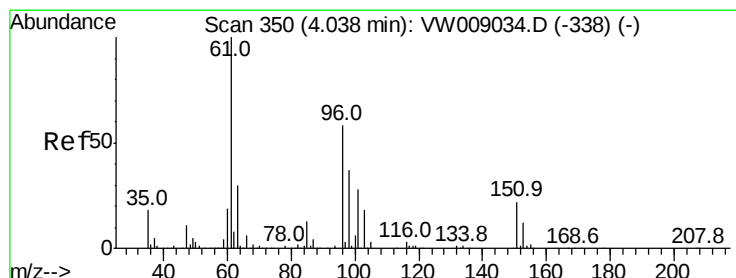
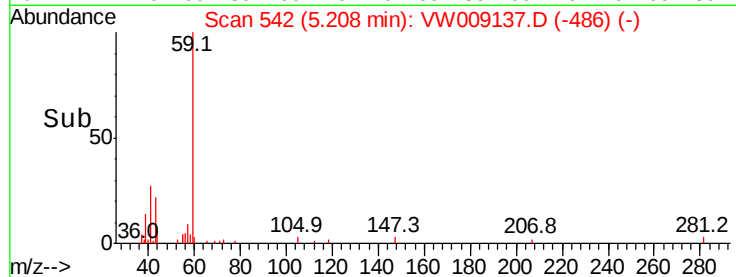
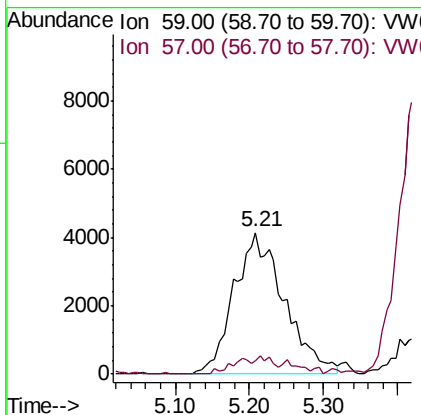
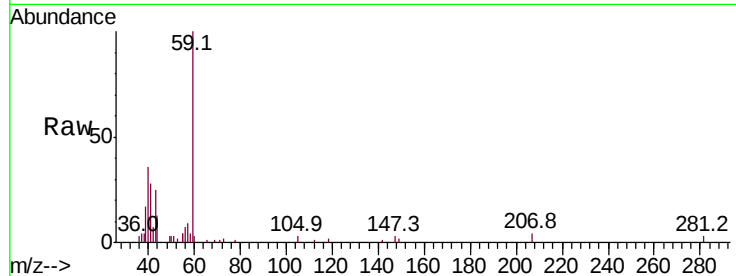
Tert butyl alcohol
Concen: 106.199 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.04 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.6	12.8#

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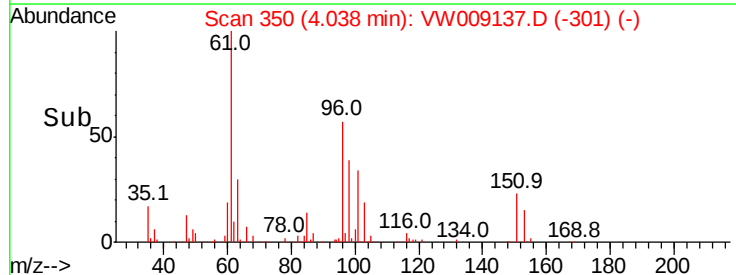
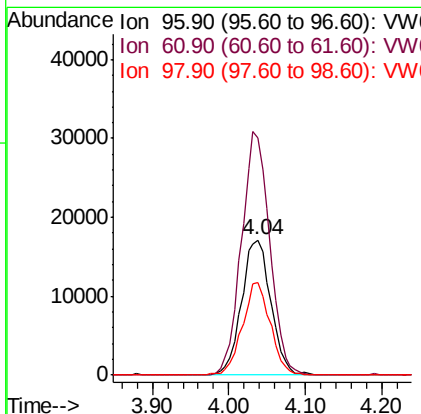
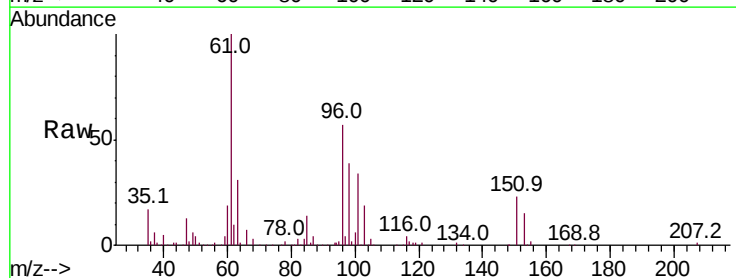
MMDadoda
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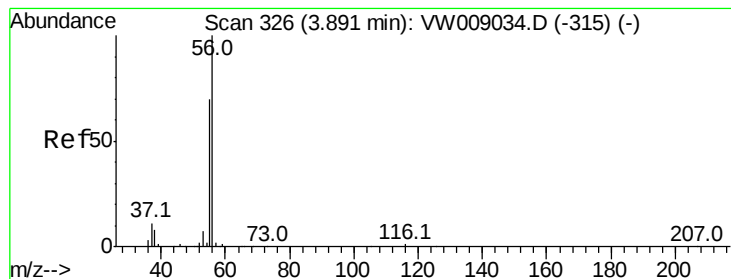


#12

1,1-Dichloroethene
Concen: 21.312 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.9	138.2	207.2
98	68.3	51.3	76.9





#13

Acrolein

Concen: 83.188 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 56 Resp: 16842

Ion Ratio Lower Upper

56 100

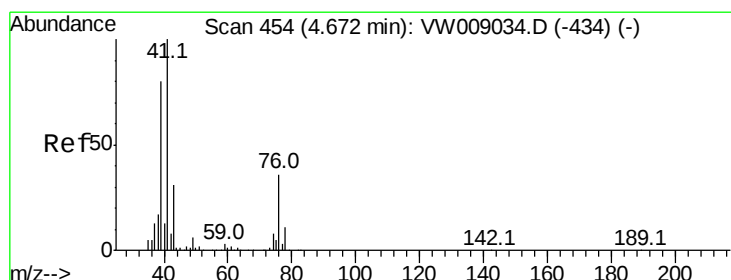
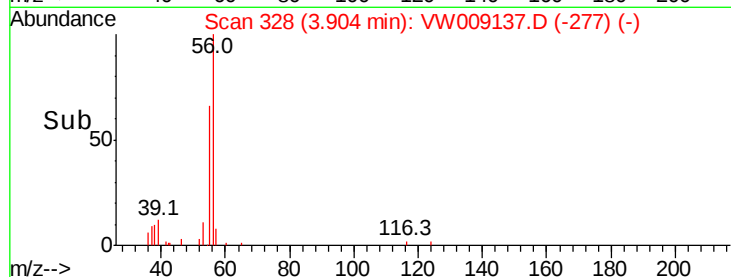
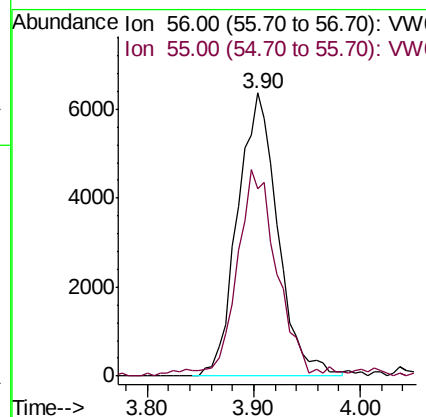
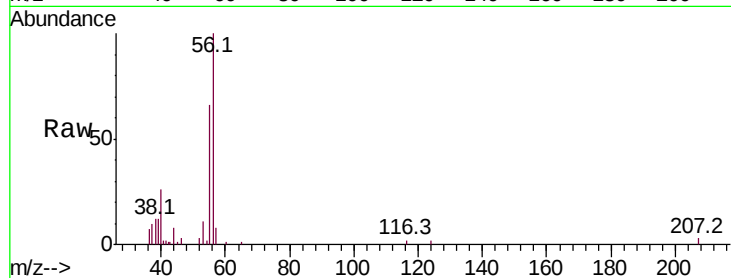
55 72.9 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 21.119 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

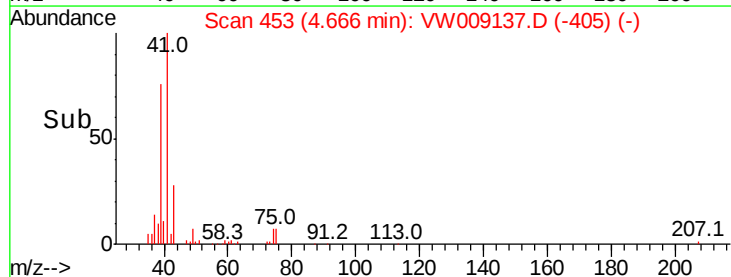
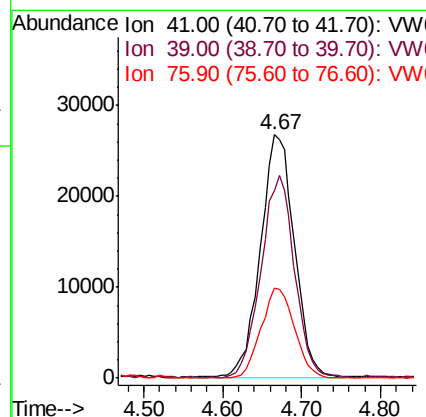
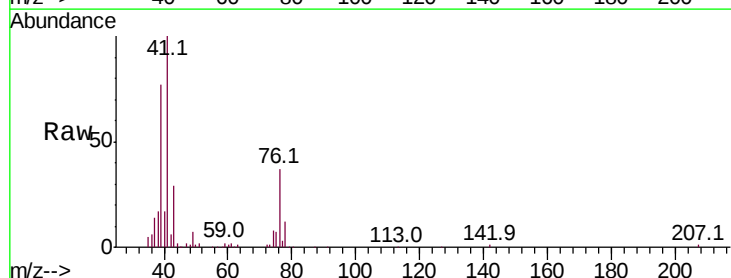
Tgt Ion: 41 Resp: 79895

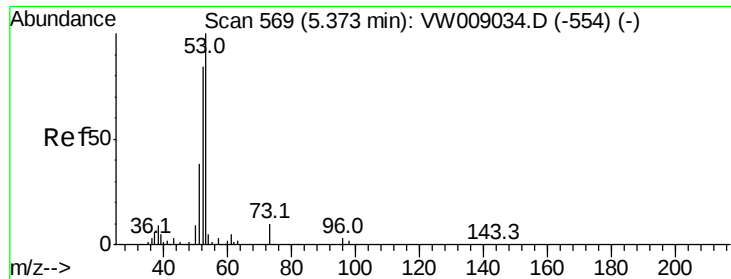
Ion Ratio Lower Upper

41 100

39 82.8 63.0 94.4

76 36.6 28.2 42.2





#15

Acrylonitrile

Concen: 114.842 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

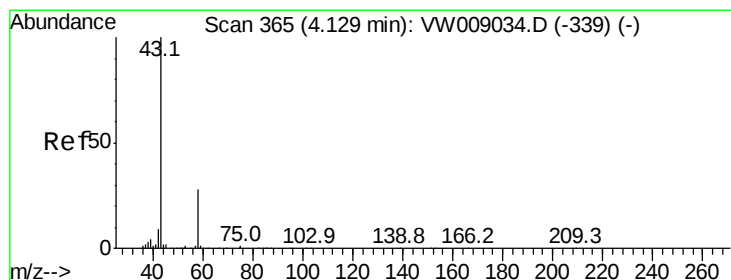
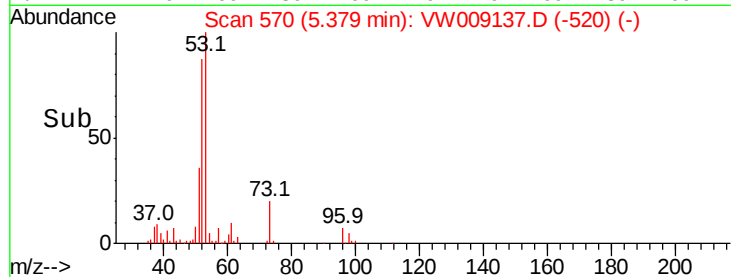
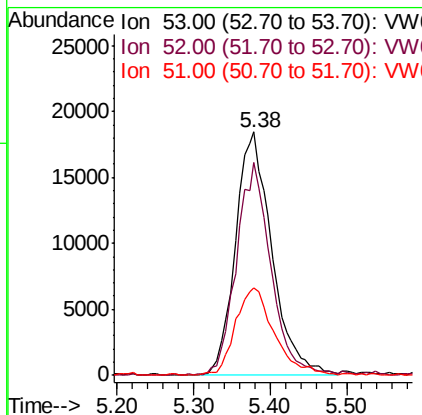
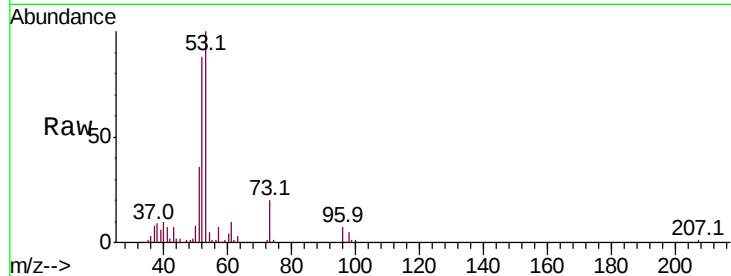
ClientSampleId :

VW0312SBS03

Tot Ion:	53	Resp:	61183
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.2	100.8
51	38.3	31.8	47.6

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#16

Acetone

Concen: 98.337 ug/l

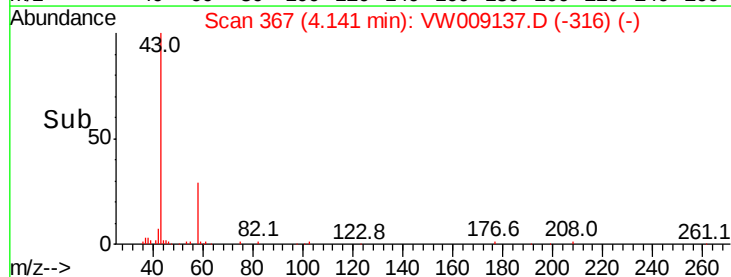
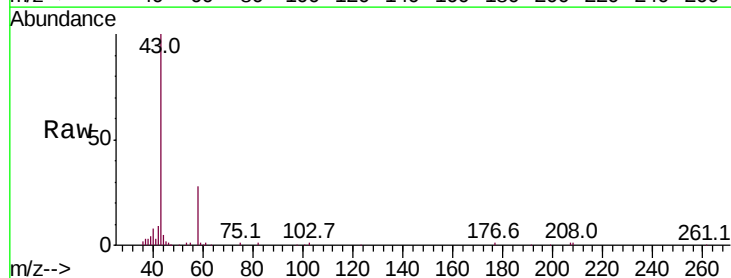
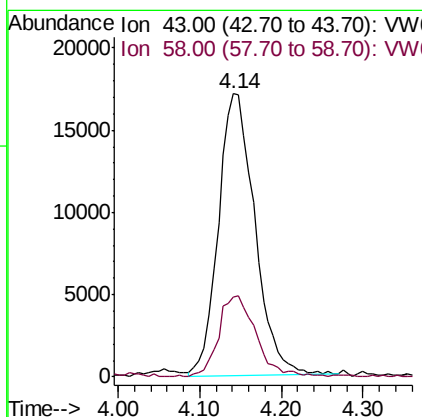
RT: 4.14 min Scan# 367

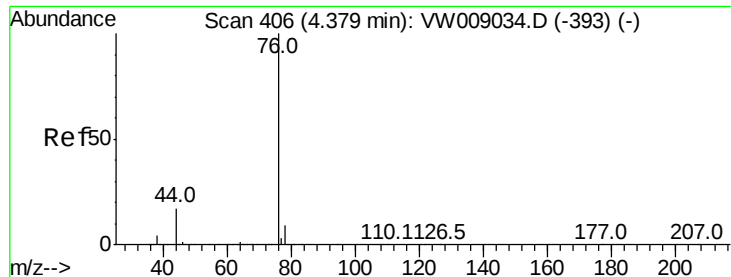
Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	43	Resp:	53278
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.5	33.7





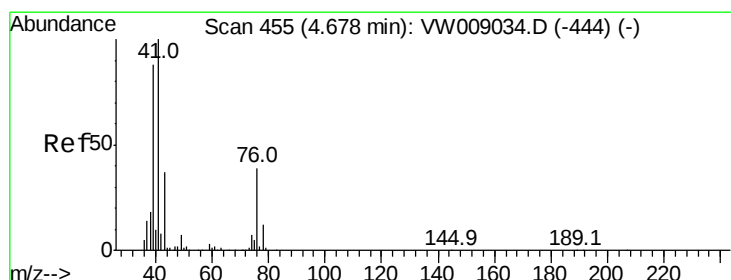
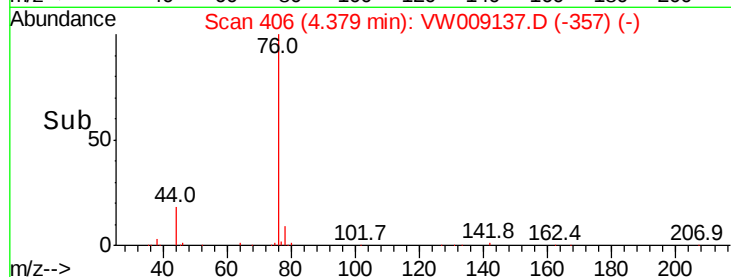
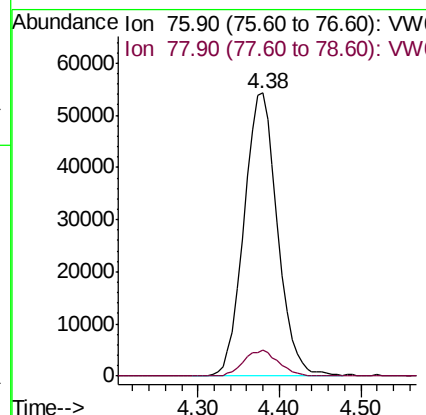
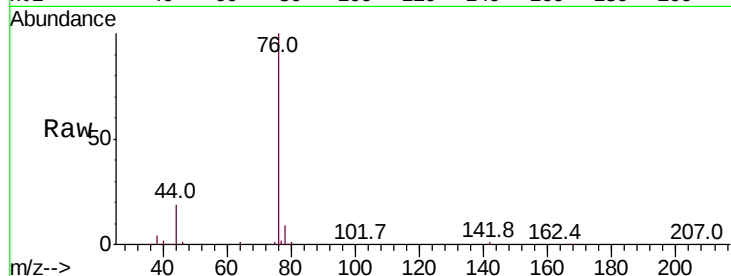
#17
Carbon Disulfide
Concen: 21.436 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

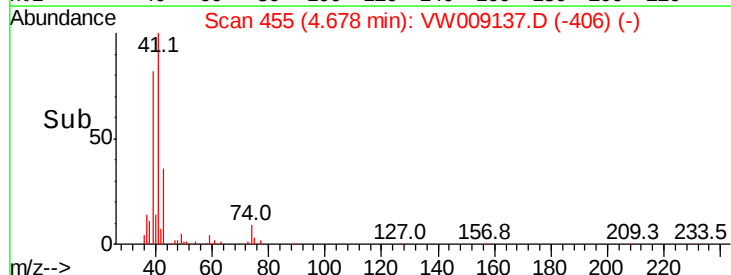
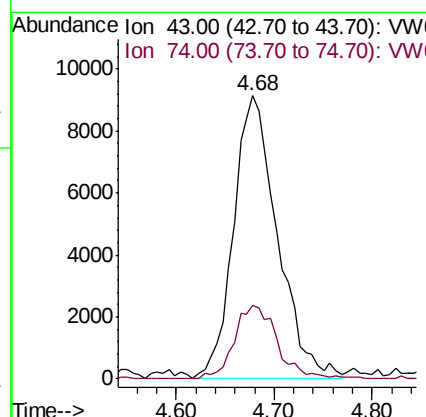
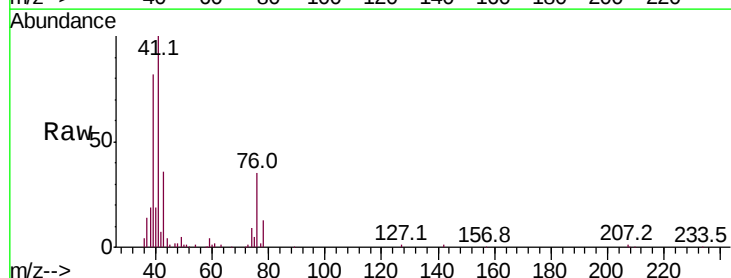
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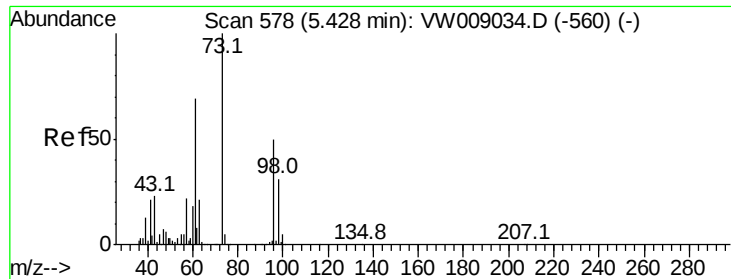
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#18
Methyl Acetate
Concen: 22.877 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	17.6	26.4





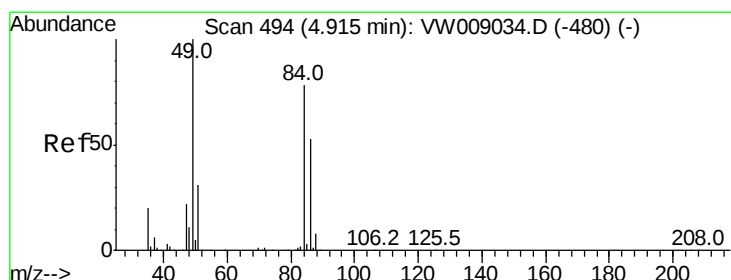
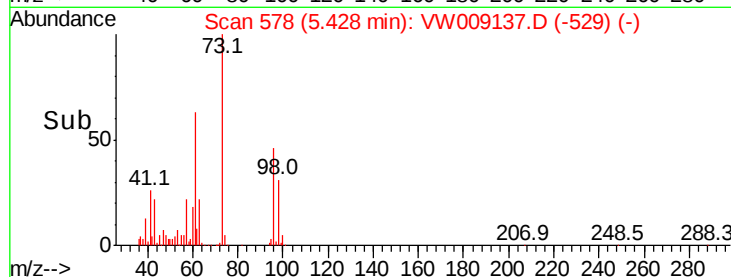
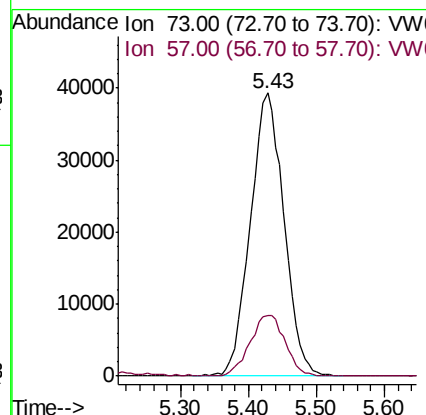
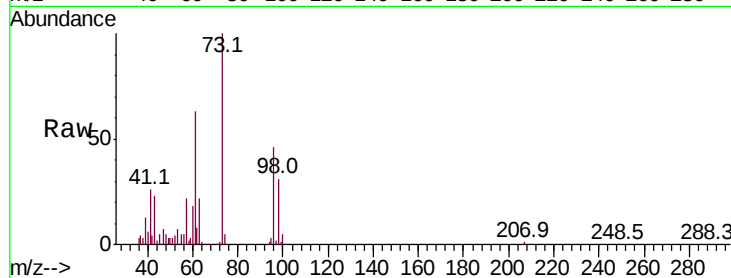
#19
Methyl tert-butyl Ether
Concen: 23.871 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion: 73 Resp: 135431
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

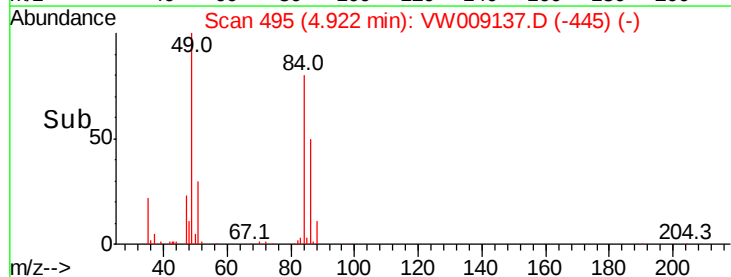
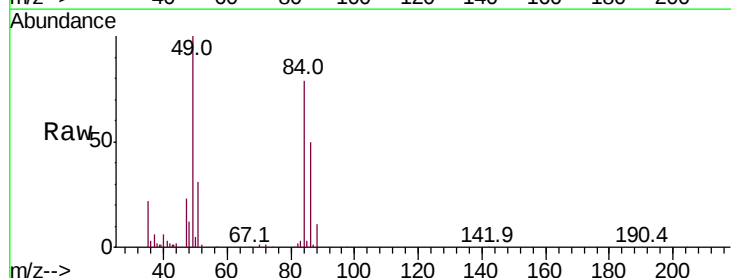
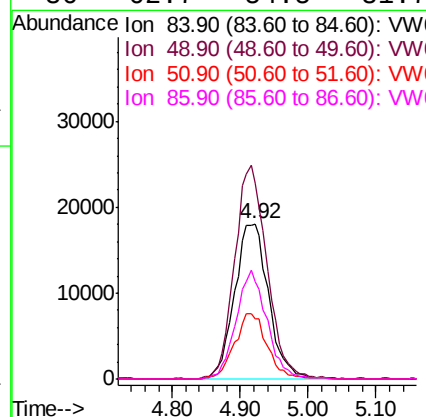
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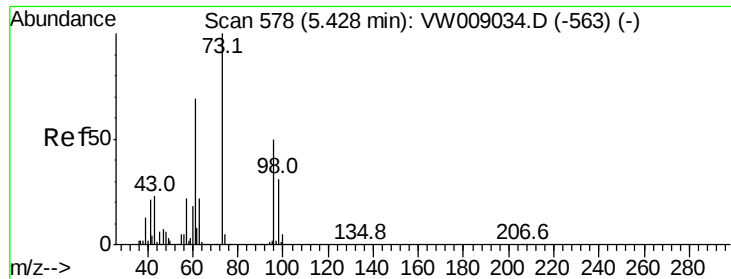
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3/14/2019 3:13:00 PM



#20
Methylene Chloride
Concen: 21.534 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 84 Resp: 62756
Ion Ratio Lower Upper
84 100
49 126.3 102.4 153.6
51 38.2 31.6 47.4
86 62.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 22.469 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 96 Resp: 55643

Ion Ratio Lower Upper

96 100

61 137.9 111.0 166.6

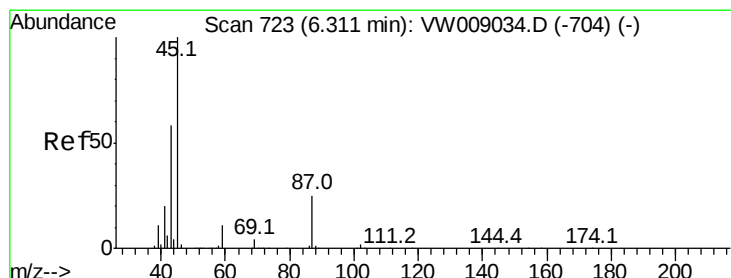
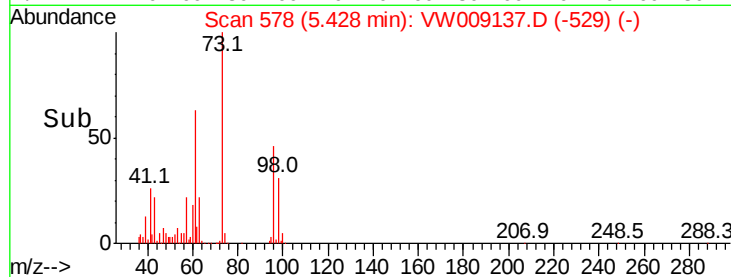
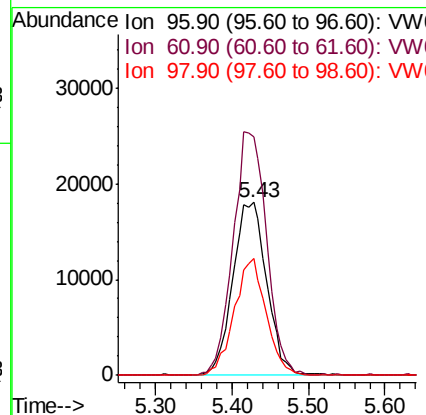
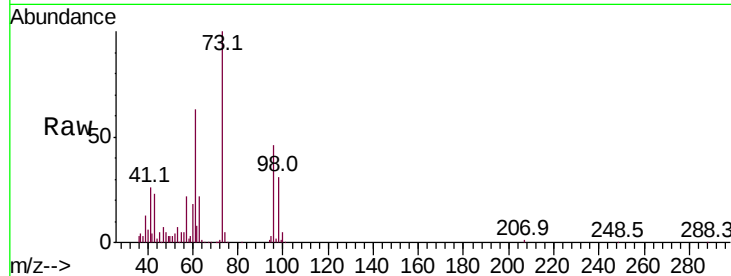
98 67.4 49.4 74.0

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#22

Diisopropyl ether

Concen: 23.797 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion: 45 Resp: 178911

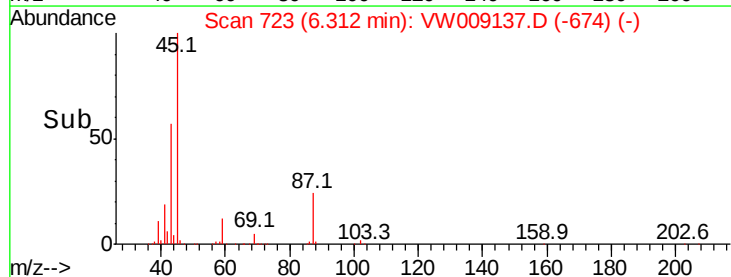
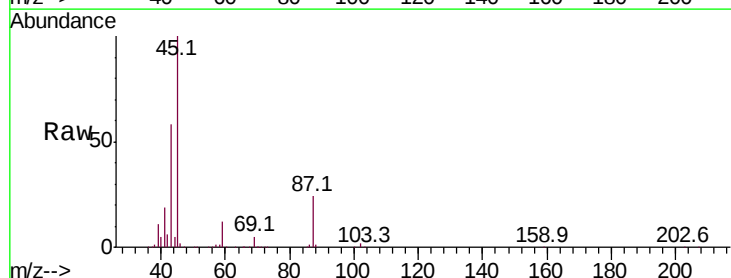
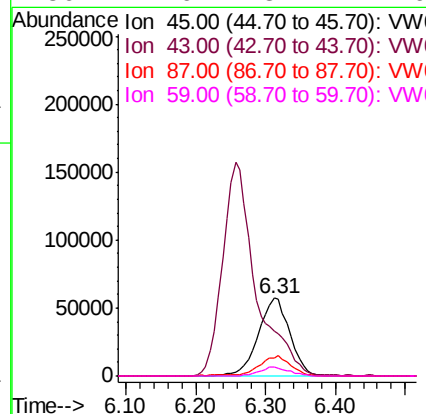
Ion Ratio Lower Upper

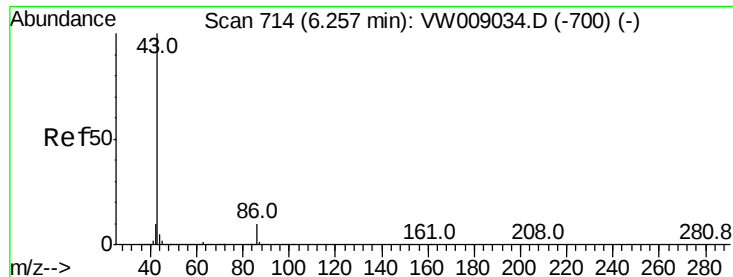
45 100

43 56.8 46.2 69.4

87 23.5 20.1 30.1

59 11.6 8.4 12.6





#23

Vinyl Acetate

Concen: 111.051 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 43 Resp: 519555

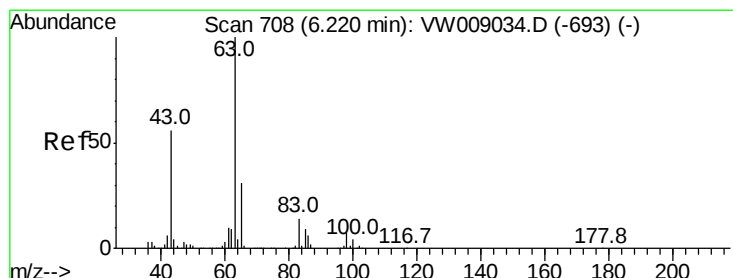
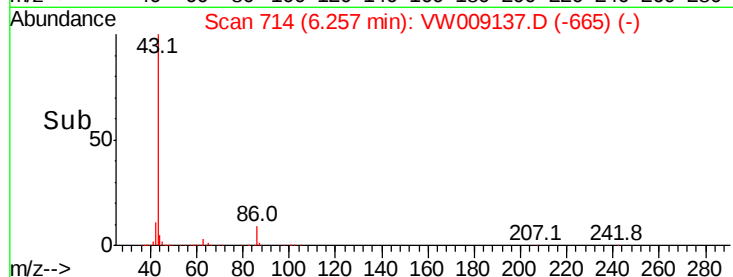
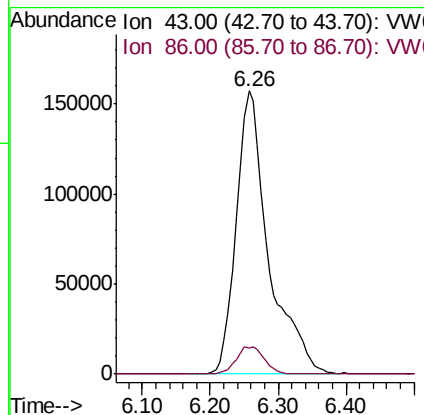
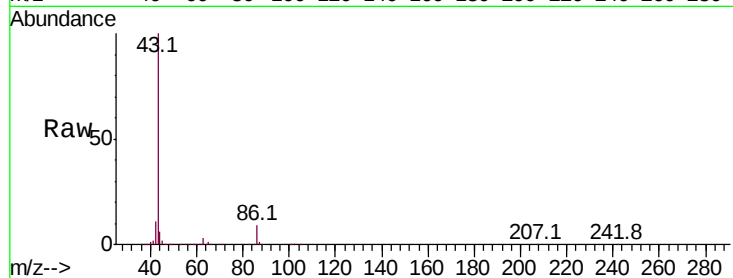
Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 22.733 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

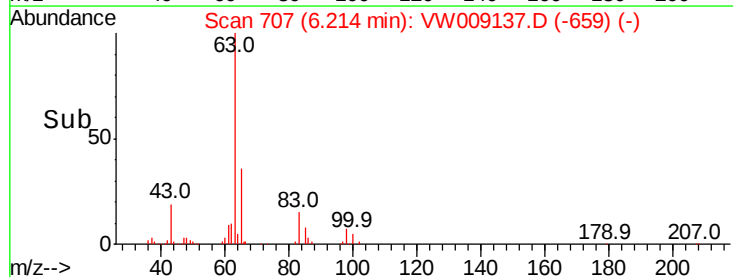
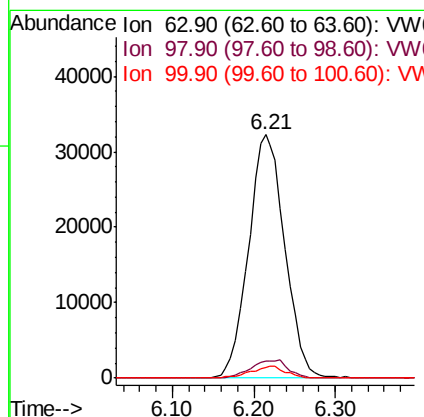
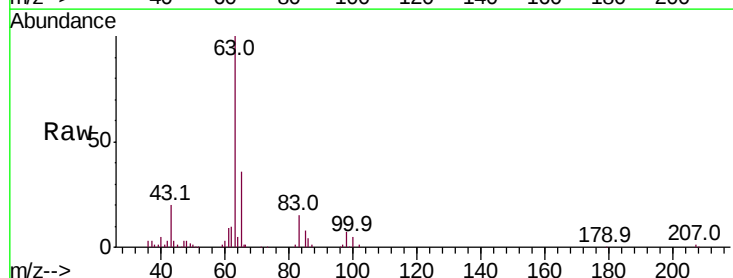
Tgt Ion: 63 Resp: 99133

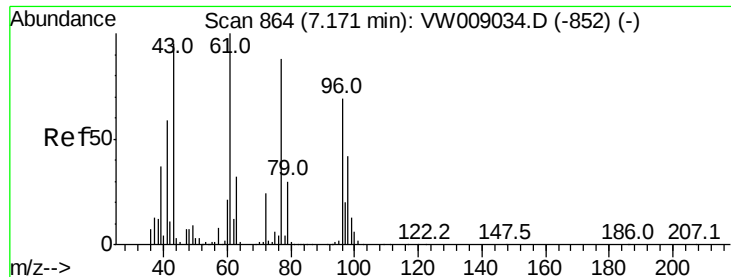
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 105.808 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 43 Resp: 79226

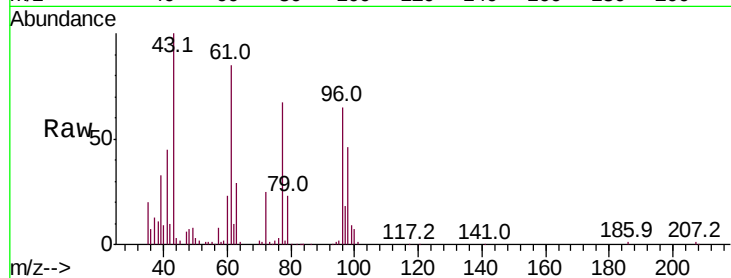
Ion Ratio Lower Upper

43 100

72 25.0 20.0 30.0

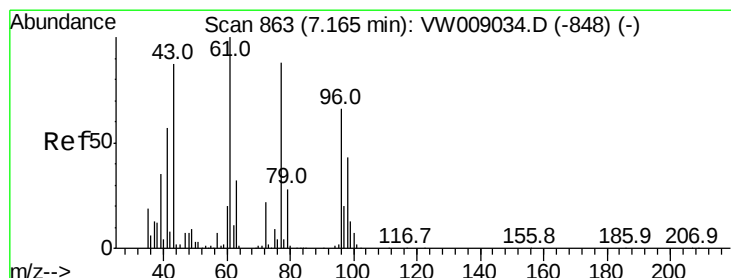
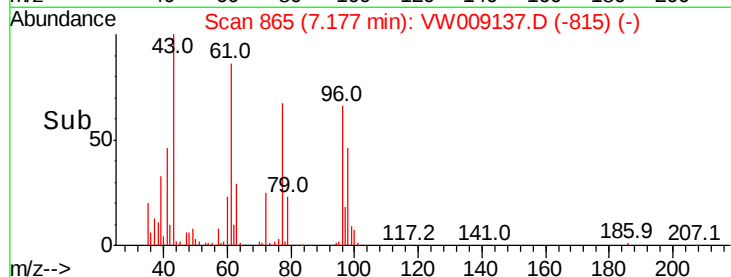
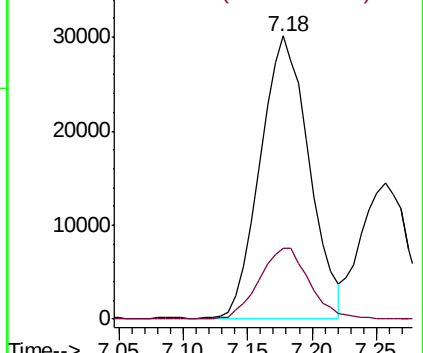
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 18.502 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009137.D

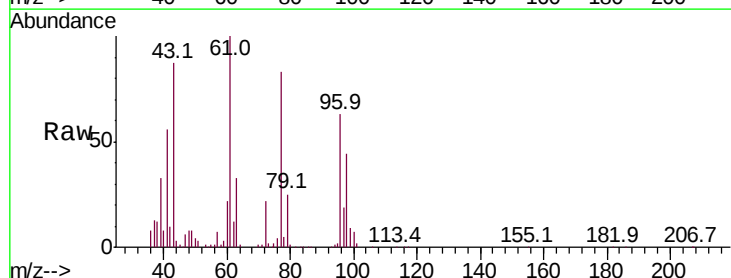
Acq: 13 Mar 2019 05:47

Tgt Ion: 77 Resp: 73336

Ion Ratio Lower Upper

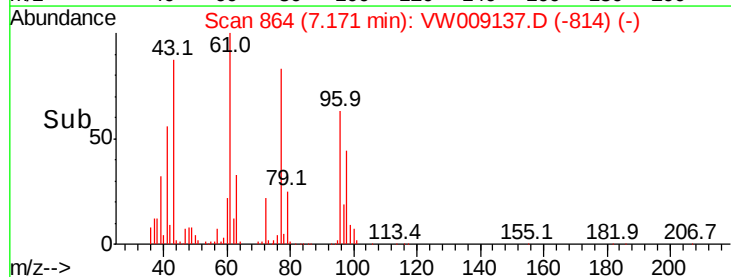
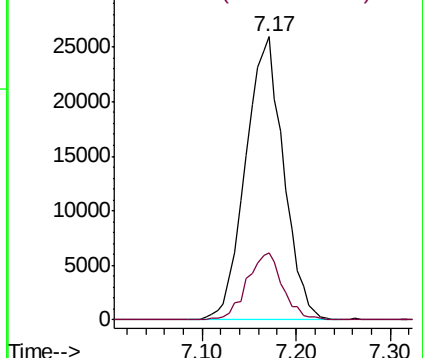
77 100

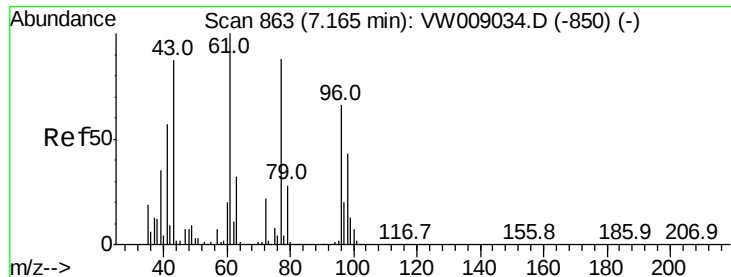
97 22.3 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

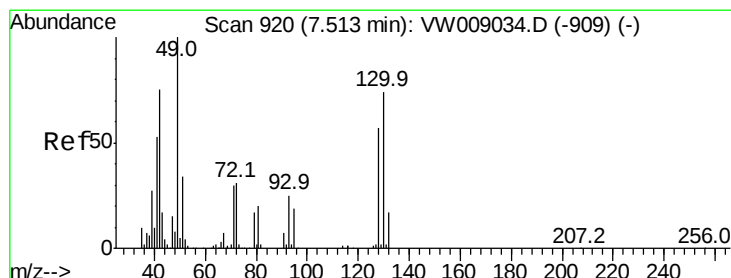
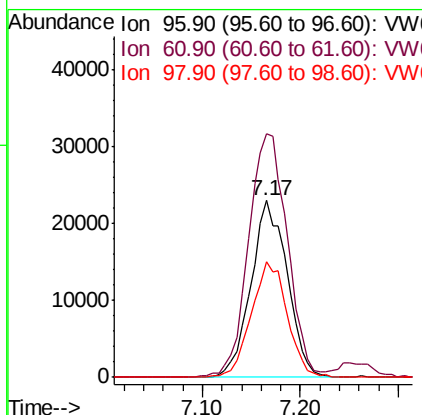
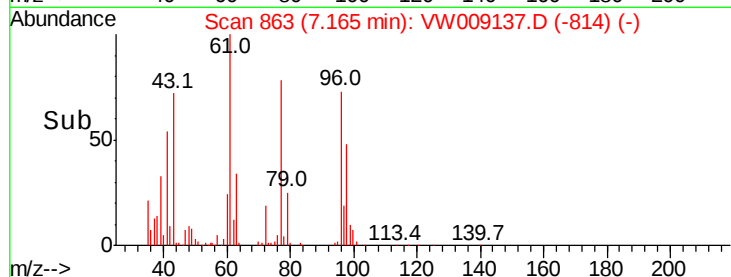
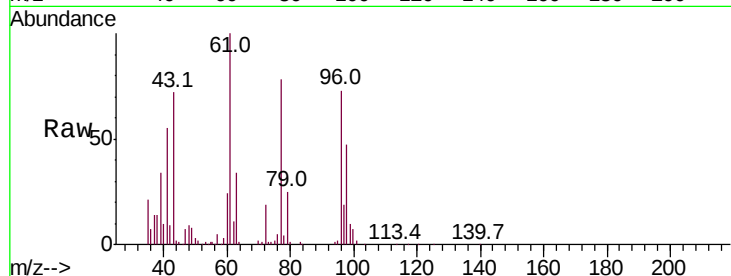
cis-1,2-Dichloroethene
 Concen: 22.229 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	299.8
98	64.5	0.0	127.2

Manual Integrations
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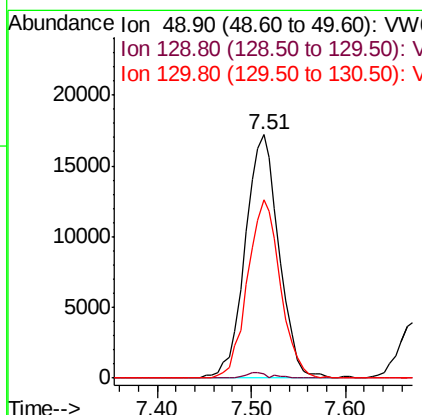
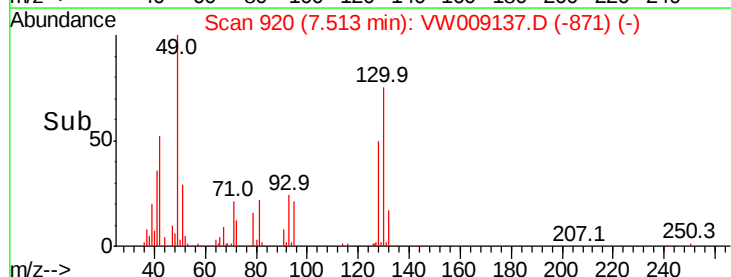
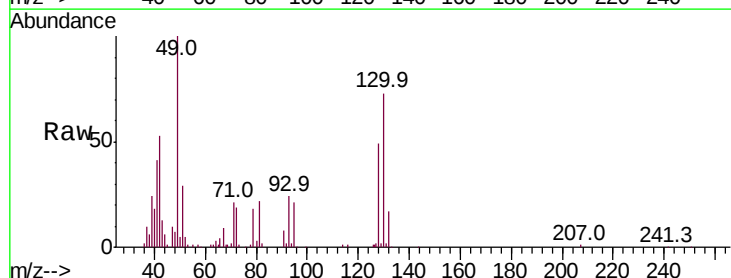
MMDadoda
 3/14/2019 3:13:00 PM

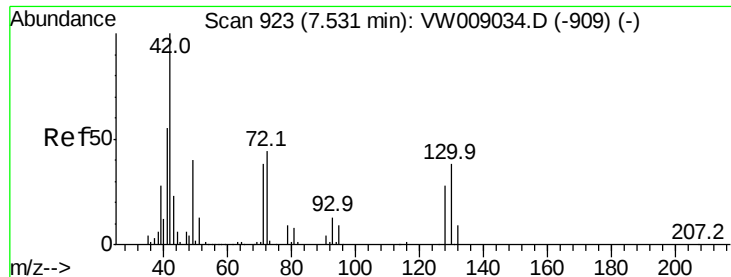


#28

Bromochloromethane
 Concen: 23.761 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	71.5	60.4	90.6





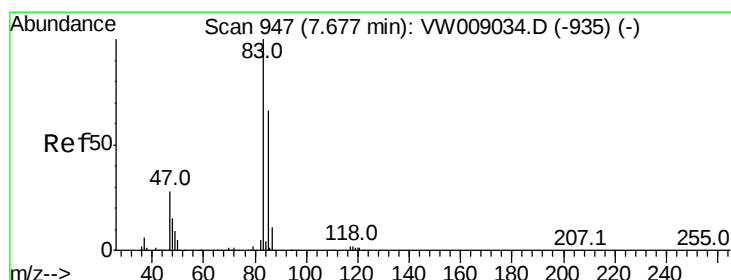
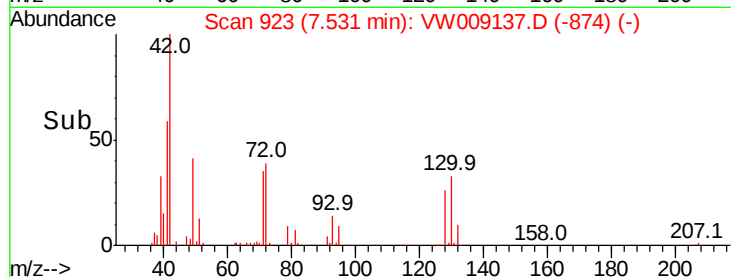
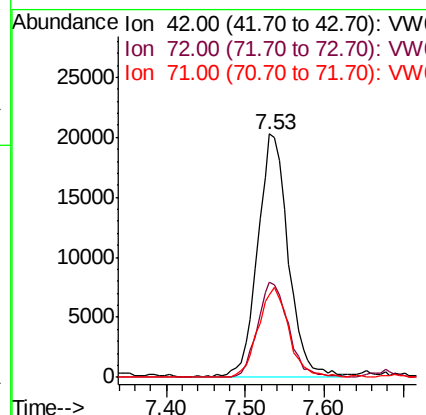
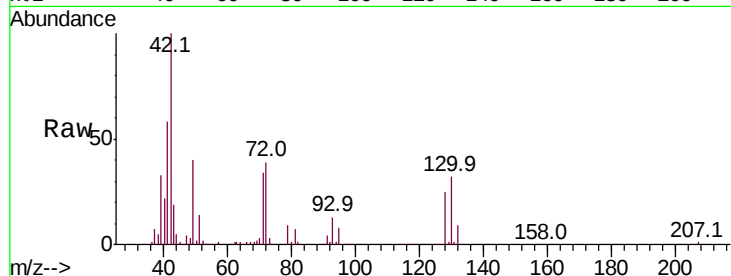
#29
Tetrahydrofuran
Concen: 114.855 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.2	48.4
71	37.4	30.7	46.1

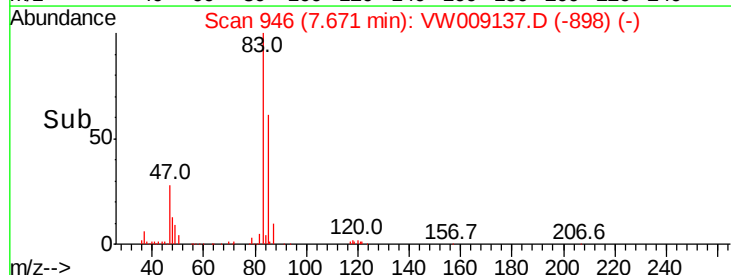
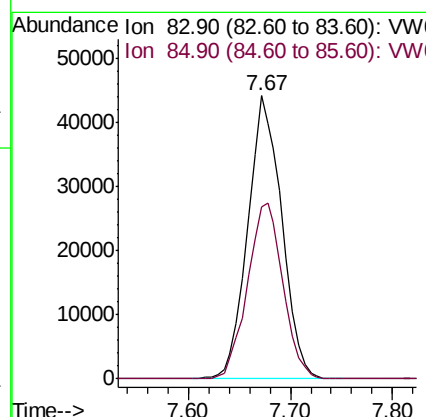
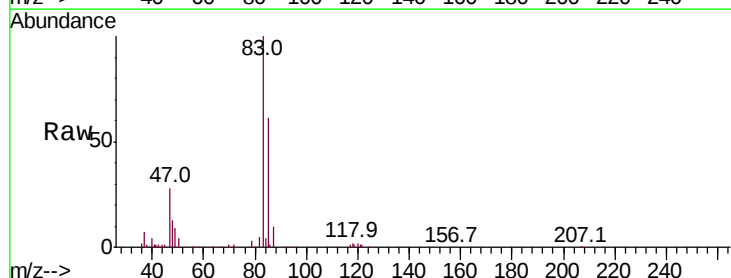
Manual Integrations
APPROVED

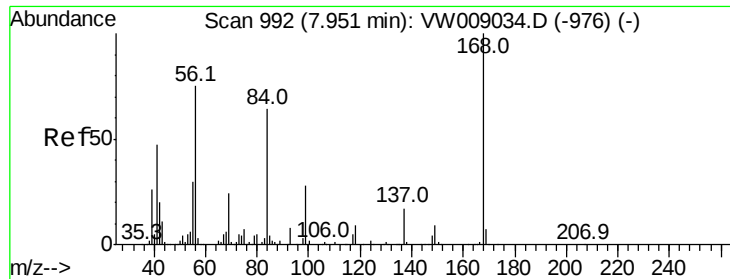
MMDadoda
3/14/2019 3:13:00 PM



#30
Chloroform
Concen: 22.768 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.0	79.6





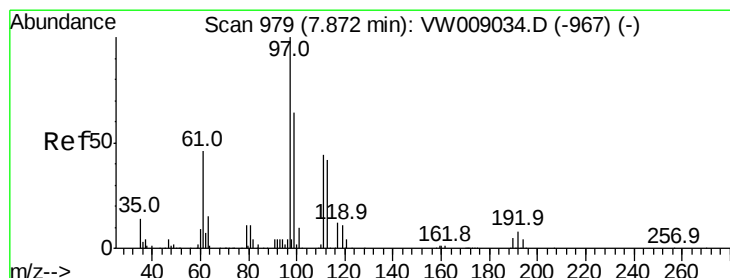
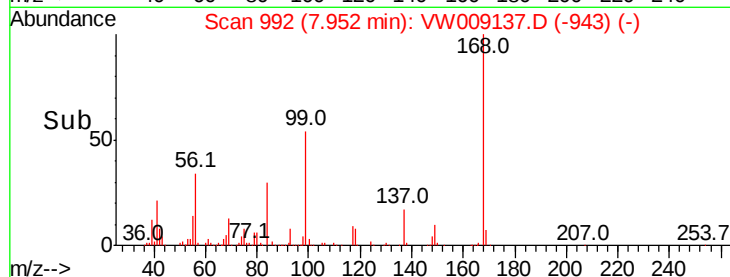
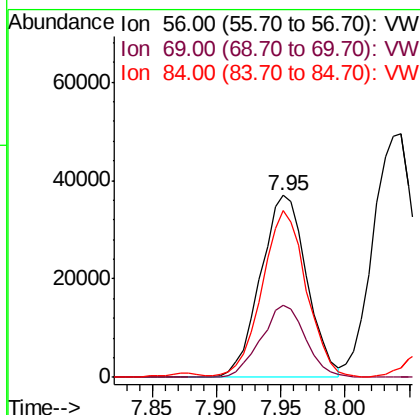
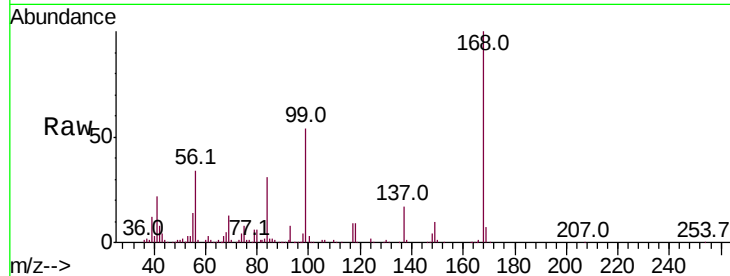
#31
Cyclohexane
Concen: 20.579 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion: 56 Resp: 92143
Ion Ratio Lower Upper
56 100
69 39.8 25.5 38.3#
84 89.5 68.6 103.0

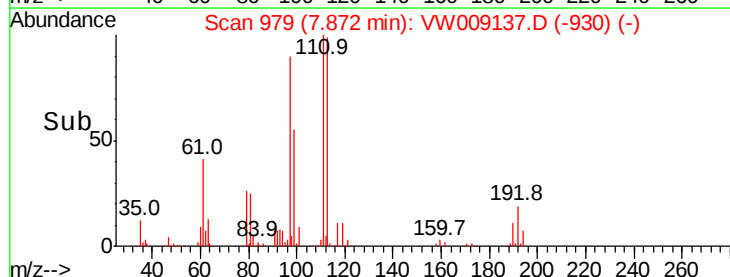
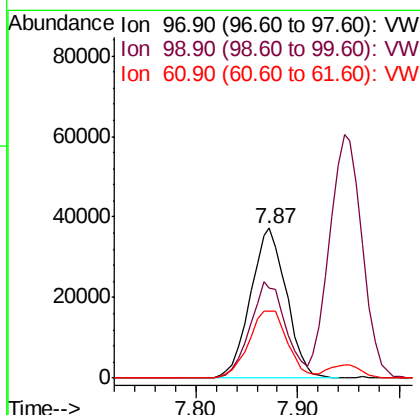
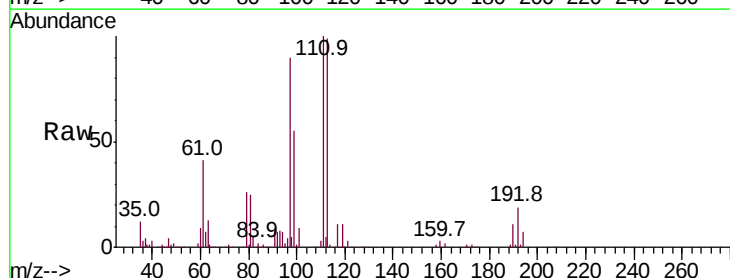
Manual Integrations
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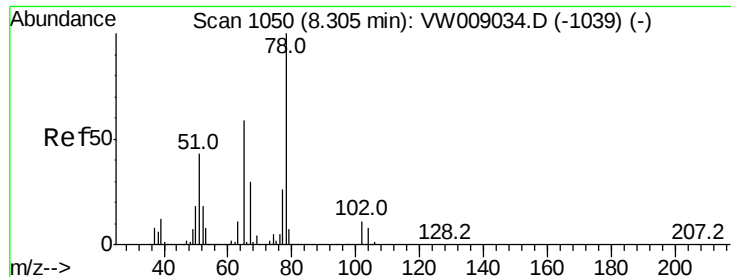
MMDadoda
3/14/2019 3:13:00 PM



#32
1,1,1-Trichloroethane
Concen: 21.974 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion: 97 Resp: 91042
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 48.6 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 60.081 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 65 Resp: 144252

Ion Ratio Lower Upper

65 100

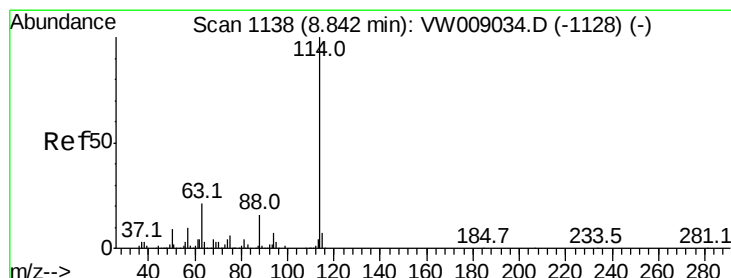
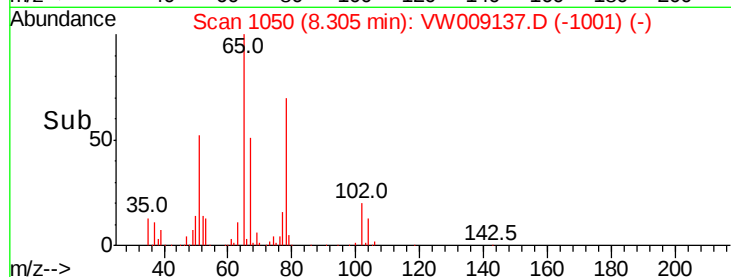
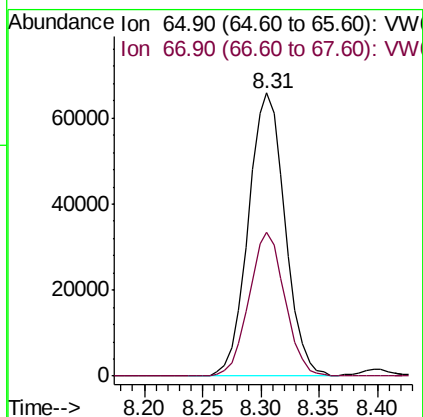
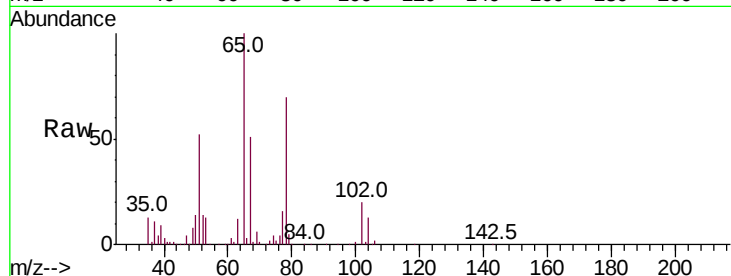
67 49.8 0.0 103.0

Manual Integrations

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3/14/2019 3:13:00 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

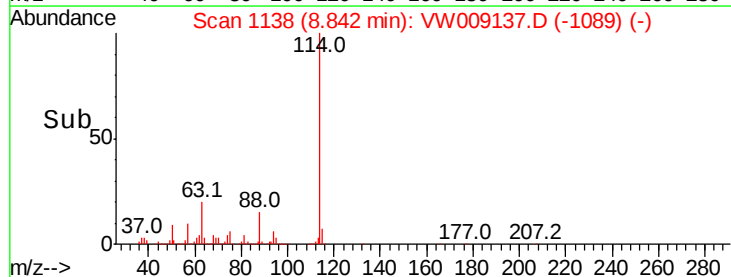
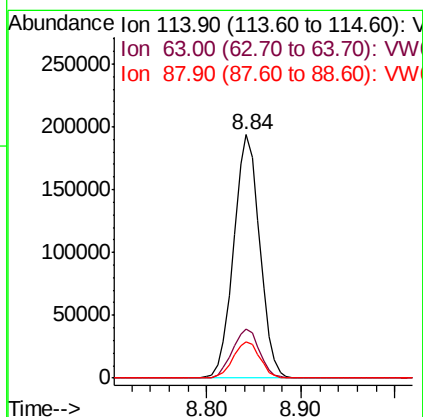
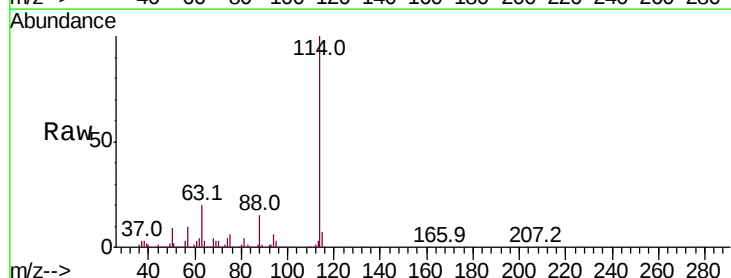
Tgt Ion: 114 Resp: 372719

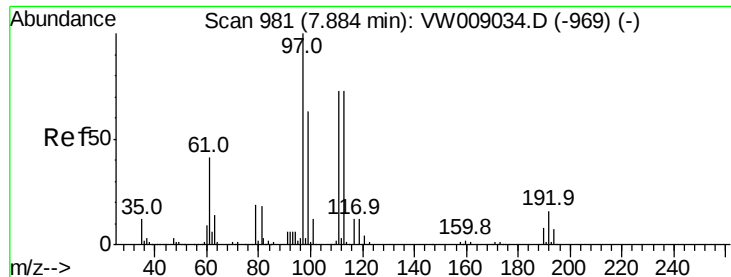
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 15.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.118 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

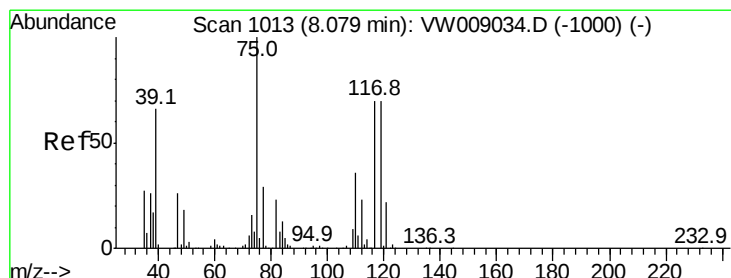
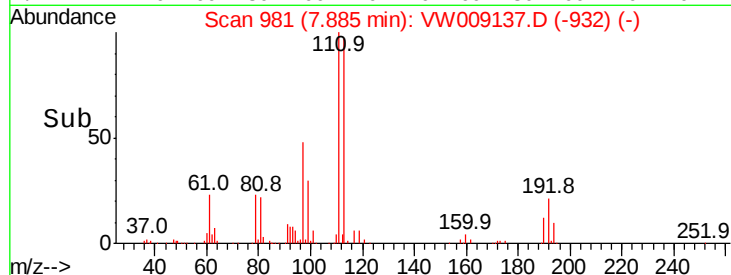
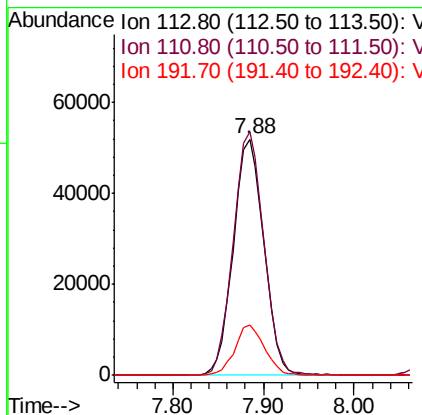
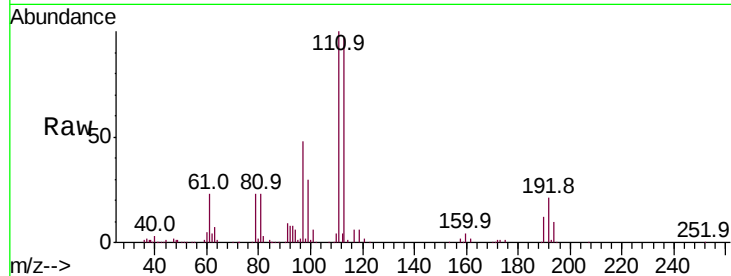
ClientSampleId :

VW0312SBS03

Tot Ion:	113	Resp:	121446
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.0	121.4
192	20.7	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.933 ug/l

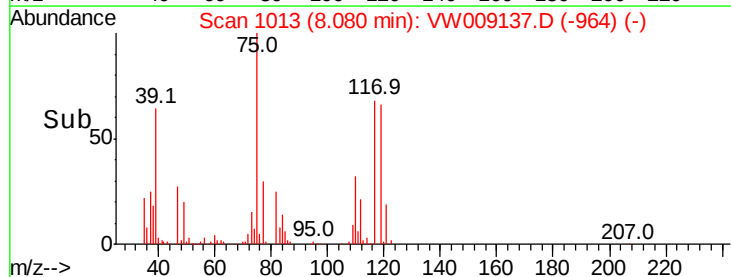
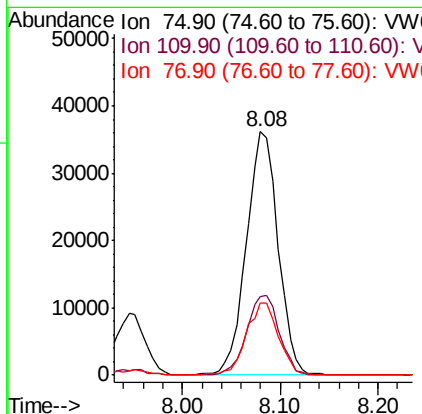
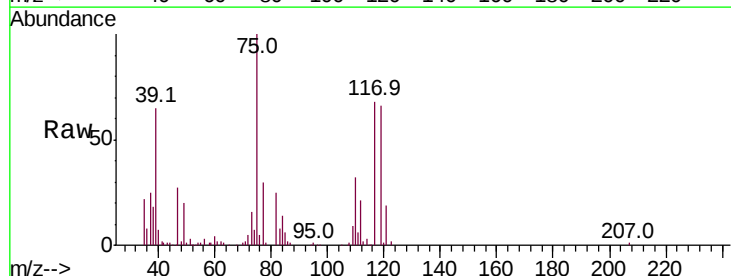
RT: 8.08 min Scan# 1013

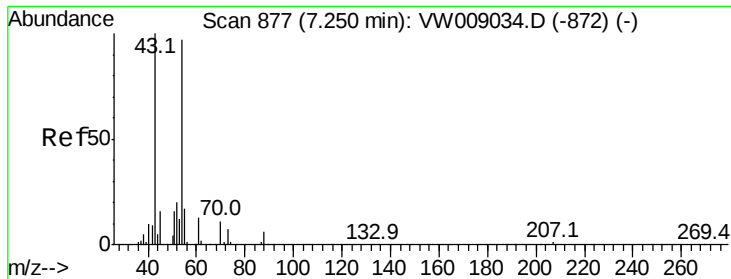
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	75	Resp:	81579
Ion Ratio	Lower	Upper	
75	100		
110	33.5	17.6	52.9
77	30.1	25.1	37.7





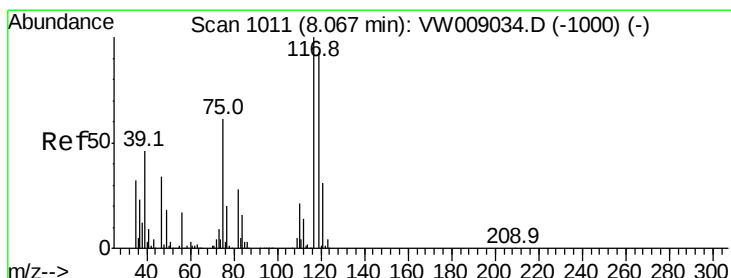
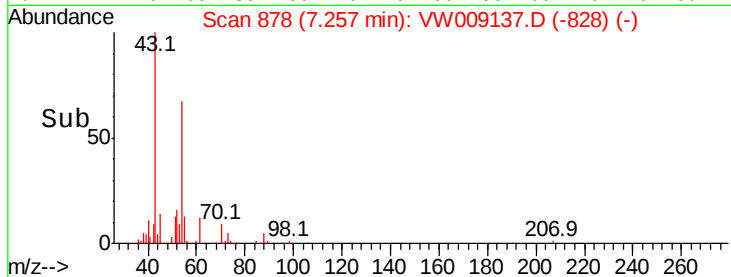
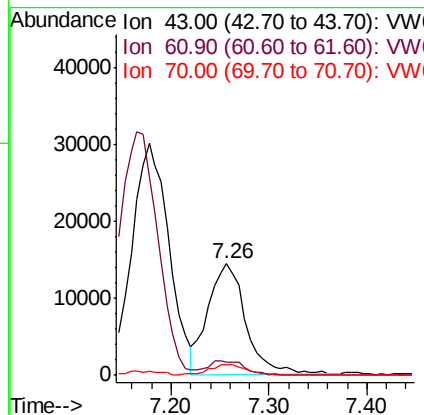
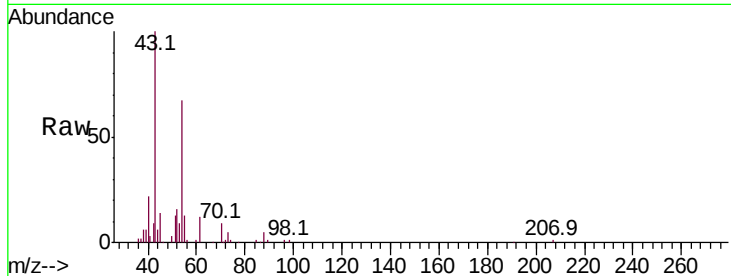
#37
Ethyl Acetate
Concen: 20.850 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.6
70	10.0	7.2	10.8

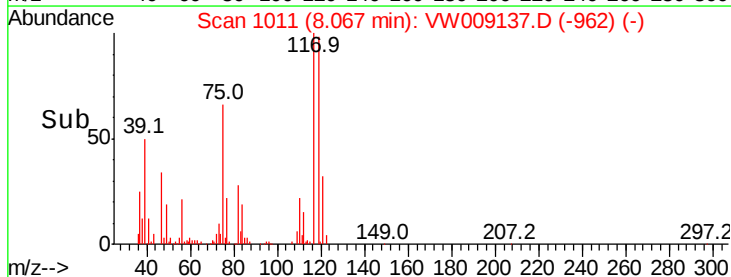
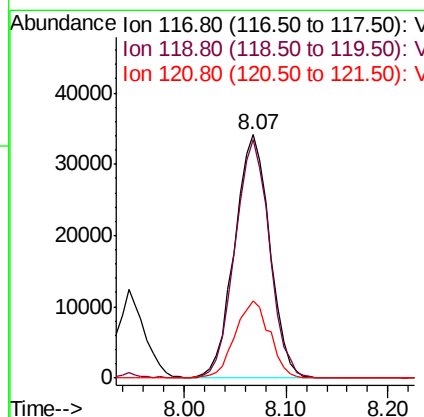
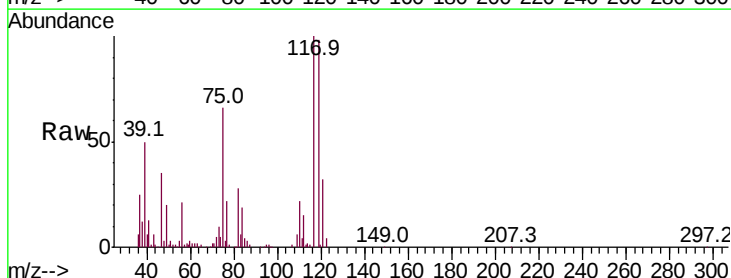
Manual Integrations
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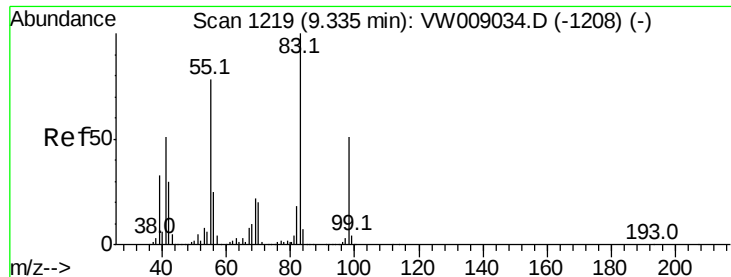
MMDadoda
3/14/2019 3:13:00 PM



#38
Carbon Tetrachloride
Concen: 20.320 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.6	112.0
121	31.8	24.7	37.1





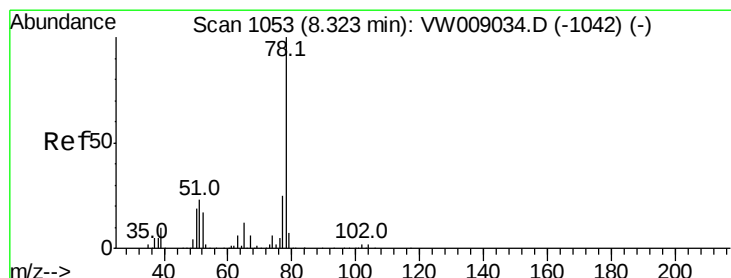
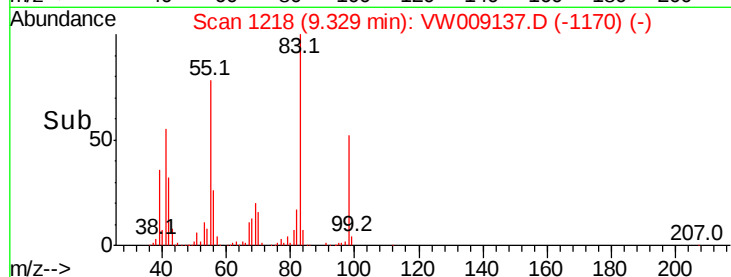
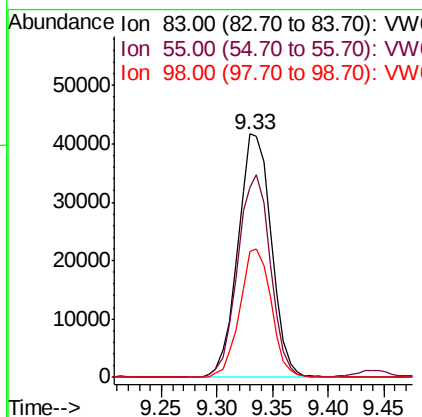
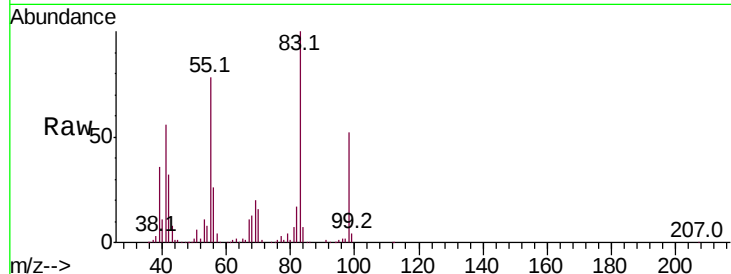
#39
Methvlcvclohexane
Concen: 18.700 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.7	94.1
98	51.8	40.8	61.2

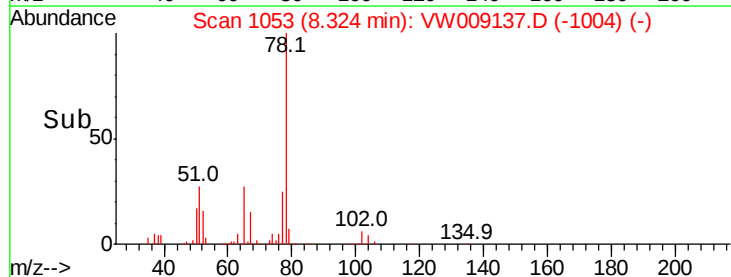
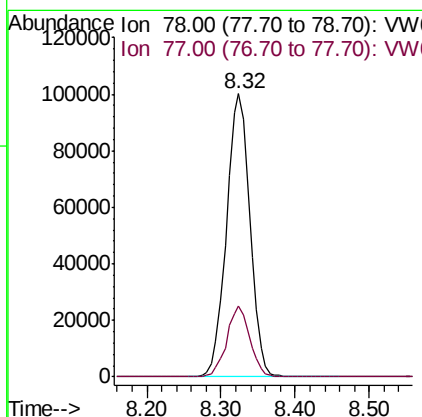
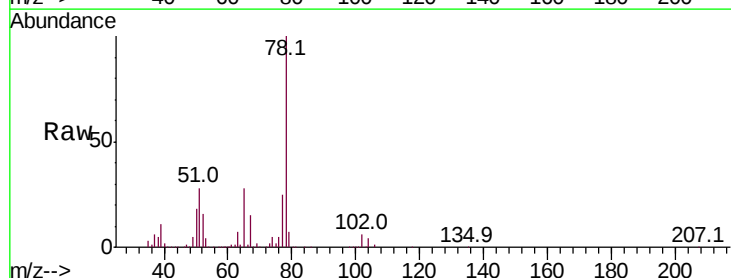
Manual Integrations
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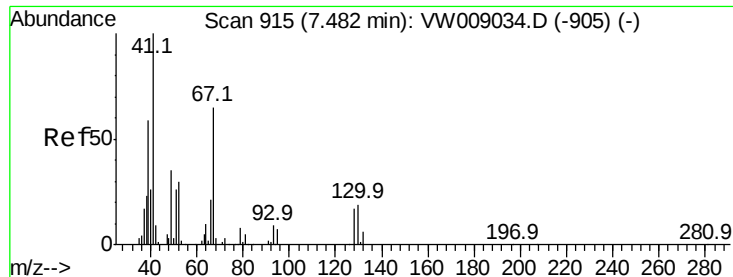
MMDadoda
3/14/2019 3:13:00 PM



#40
Benzene
Concen: 21.213 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.2	30.4





#41

Methacrylonitrile

Concen: 22.006 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

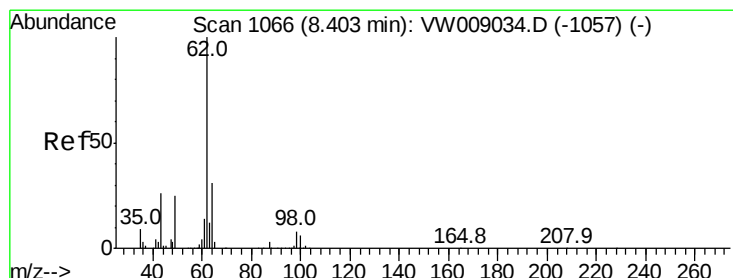
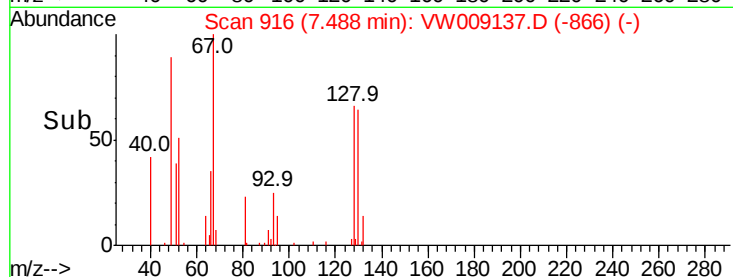
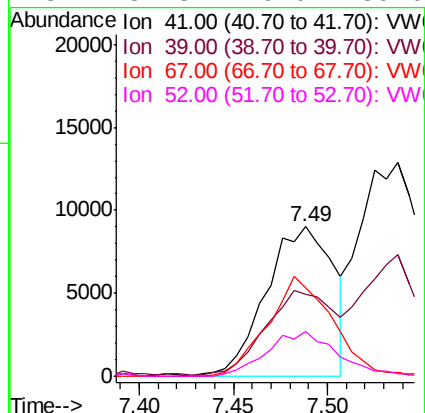
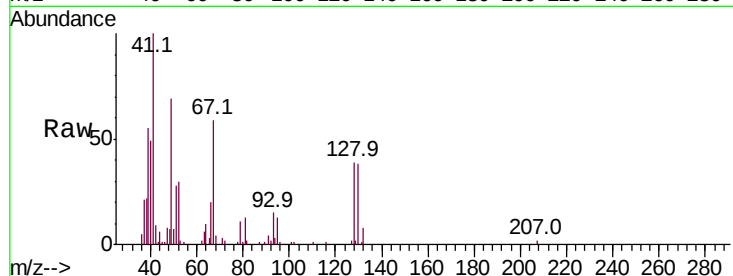
ClientSampleId :

VW0312SBS03

Tot Ion:	41	Resp:	22370
Ion	Ratio	Lower	Upper
41	100		
39	56.8	53.6	80.4
67	64.1	57.6	86.4
52	31.5	26.0	39.0

Manual Integrations
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3/14/2019 3:13:00 PM



#42

1,2-Dichloroethane

Concen: 21.628 ug/l

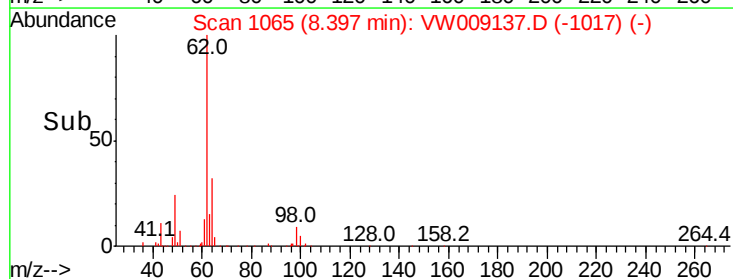
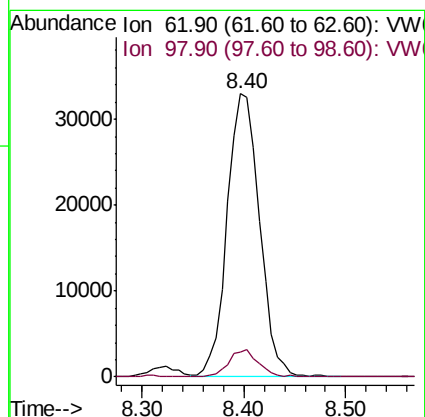
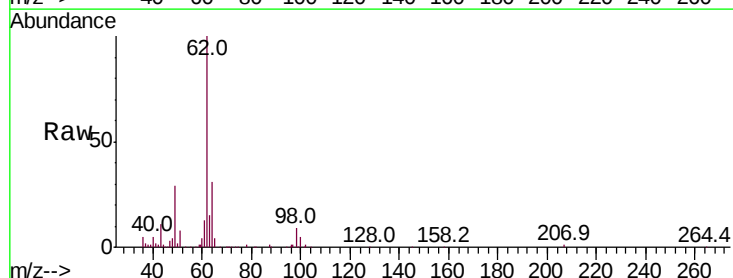
RT: 8.40 min Scan# 1065

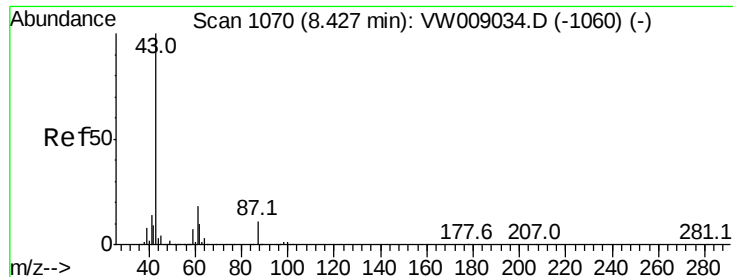
Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	62	Resp:	72641
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 21.153 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

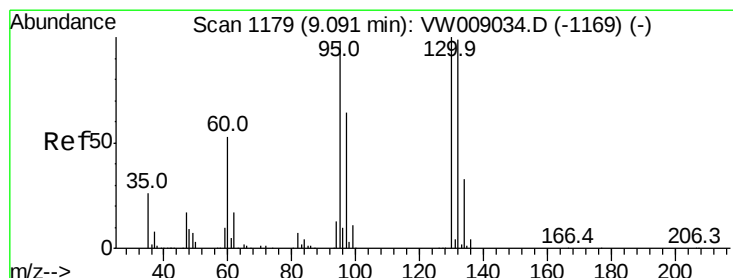
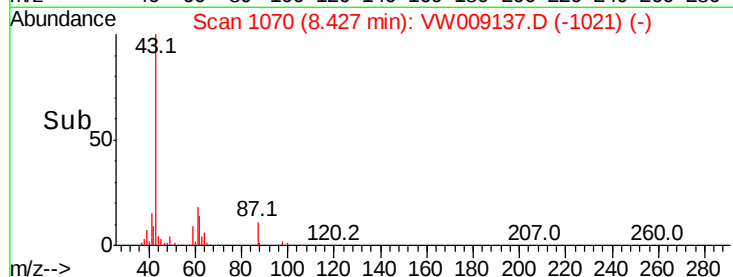
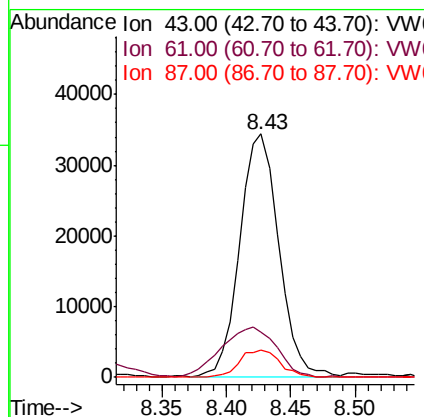
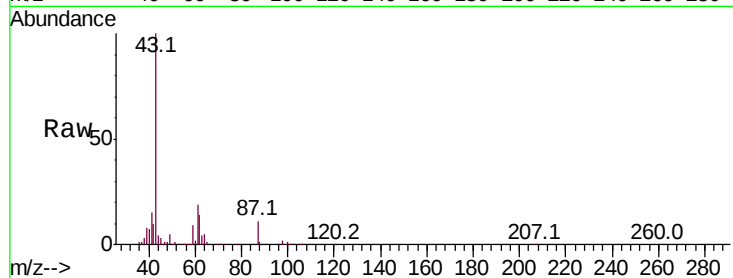
ClientSampleId :

VW0312SBS03

Tot Ion:	43	Resp:	72120
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.8	34.2
87	11.9	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 21.093 ug/l

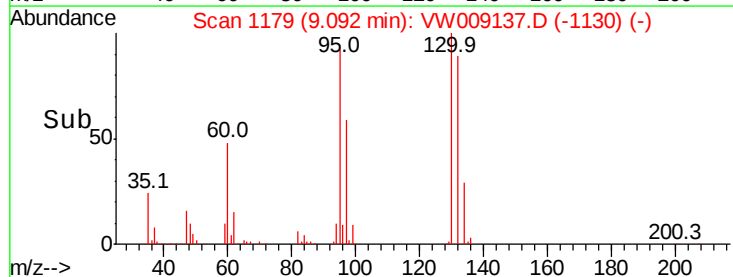
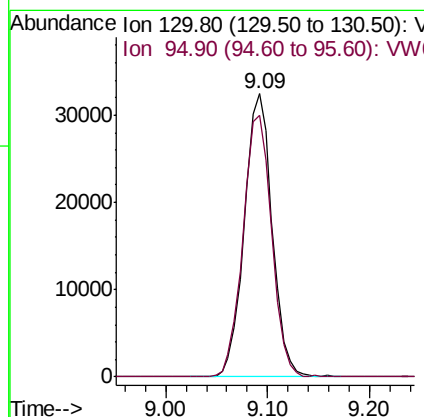
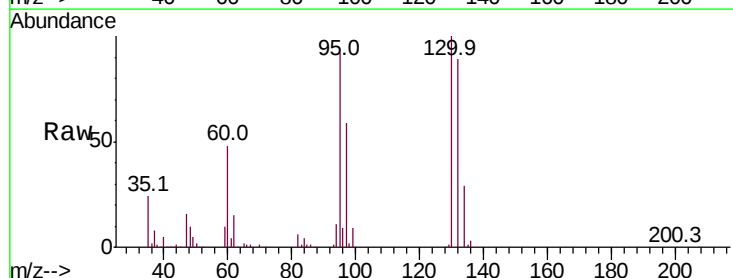
RT: 9.09 min Scan# 1179

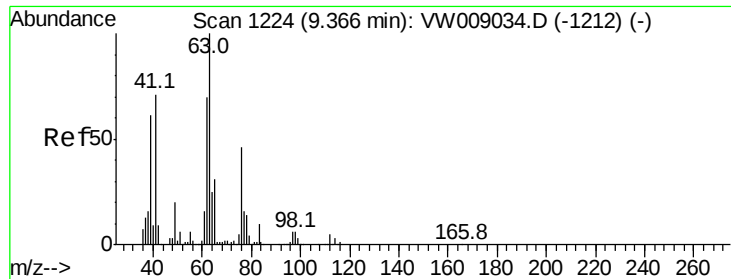
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	130	Resp:	61504
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	197.0





#45

1,2-Dichloropropane

Concen: 21.678 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 63 Resp: 56483

Ion Ratio Lower Upper

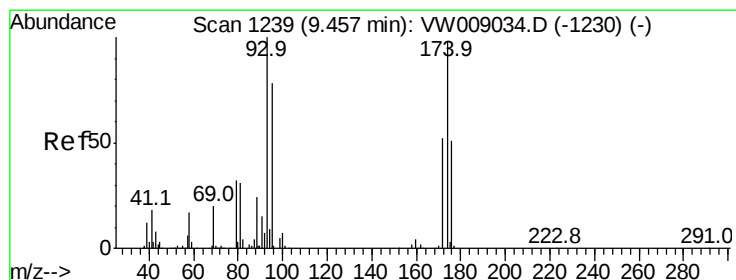
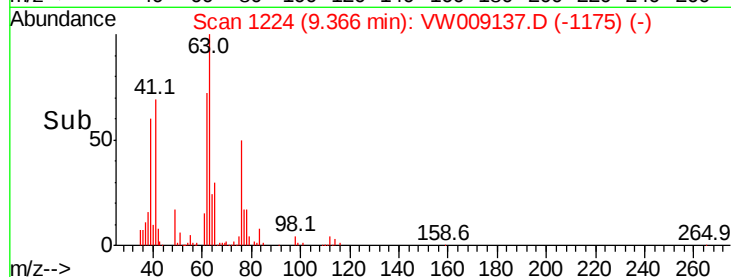
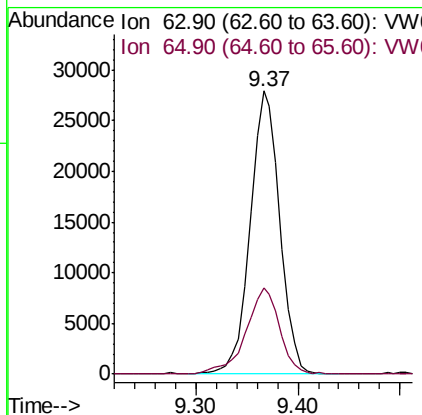
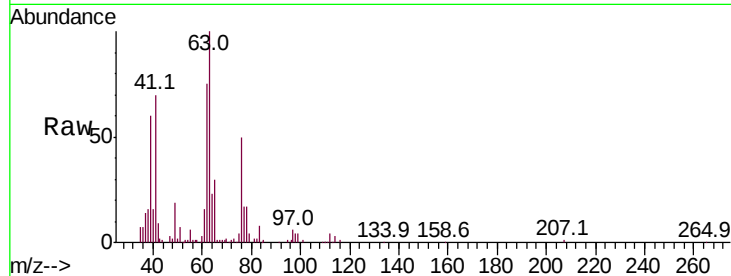
63 100

65 30.5 24.9 37.3

Manual Integrations
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MMDadoda

3/14/2019 3:13:00 PM



#46

Dibromomethane

Concen: 21.463 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

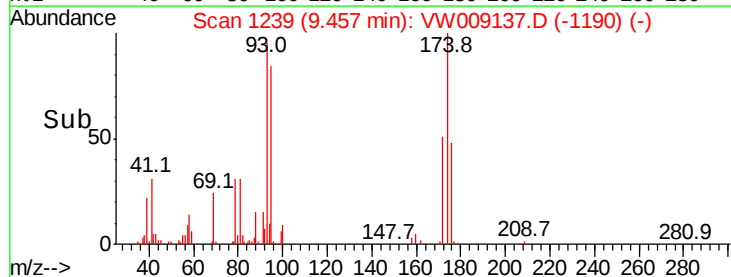
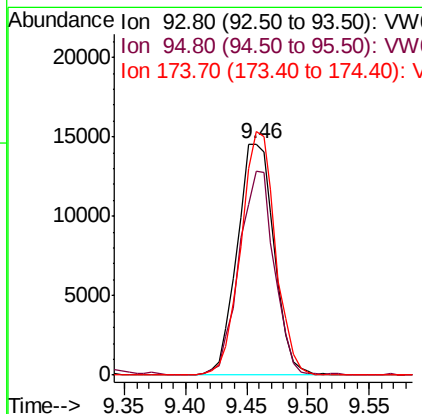
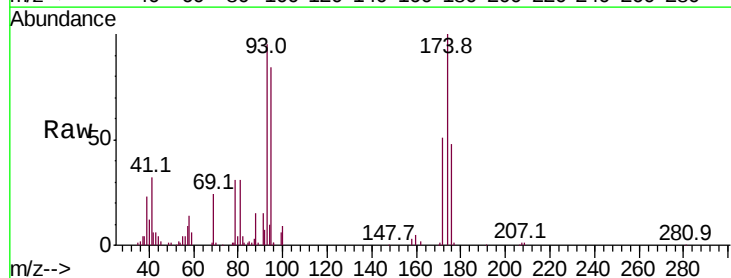
Tgt Ion: 93 Resp: 30542

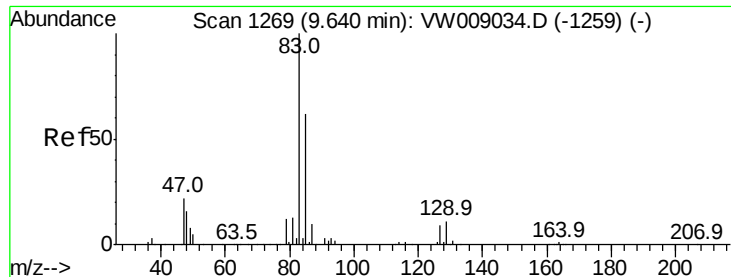
Ion Ratio Lower Upper

93 100

95 84.0 65.0 97.6

174 98.2 81.8 122.6





#47

Bromodichloromethane

Concen: 21.177 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

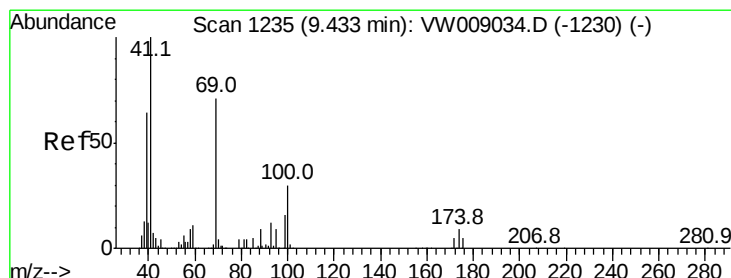
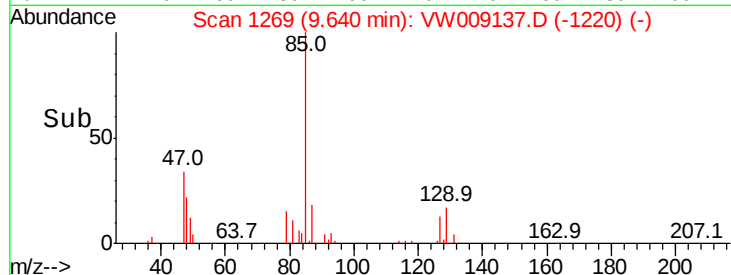
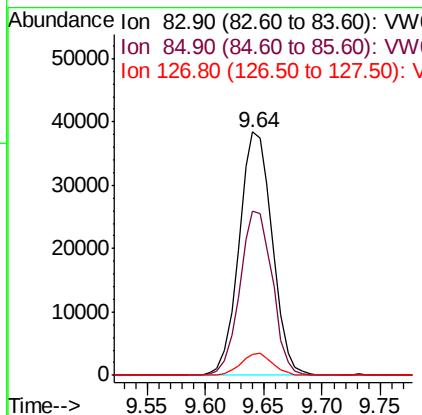
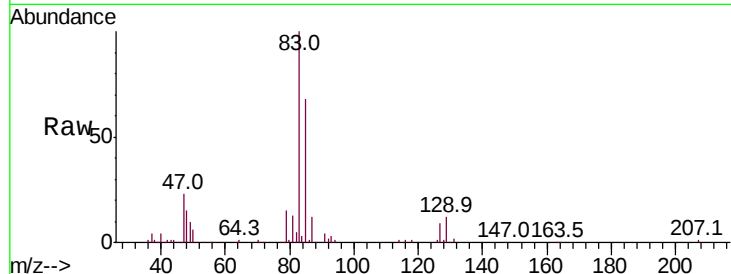
ClientSampleId :

VW0312SBS03

Tot Ion:	83	Resp:	76284
Ion	Ratio	Lower	Upper
83	100		
85	67.6	49.9	74.9
127	8.6	7.1	10.7

Manual Integrations
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3/14/2019 3:13:00 PM



#48

Methyl methacrylate

Concen: 20.936 ug/l

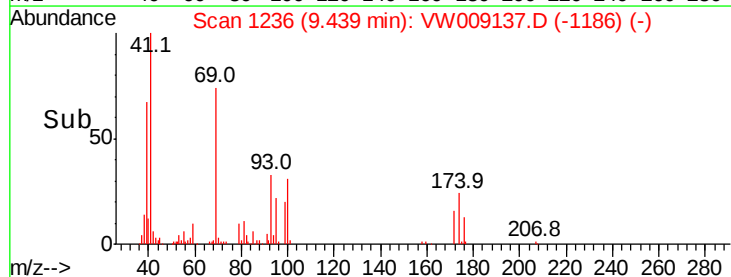
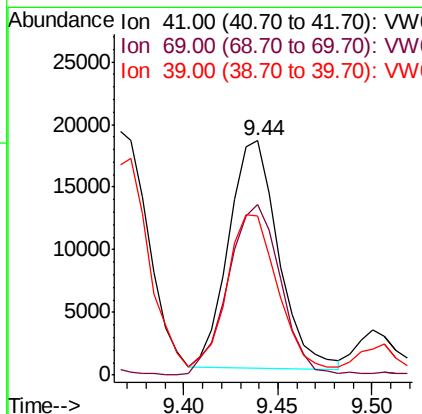
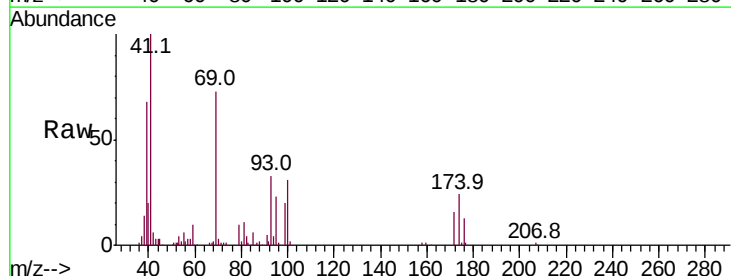
RT: 9.44 min Scan# 1236

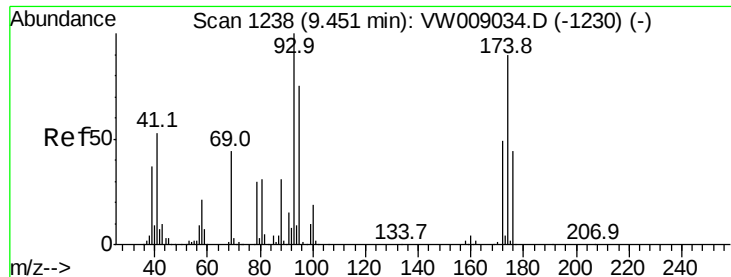
Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	41	Resp:	33236
Ion	Ratio	Lower	Upper
41	100		
69	79.4	59.1	88.7
39	68.1	48.9	73.3





#49

1,4-Dioxane

Concen: 419.387 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.02 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

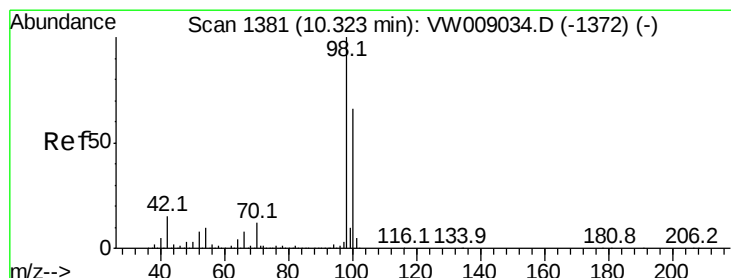
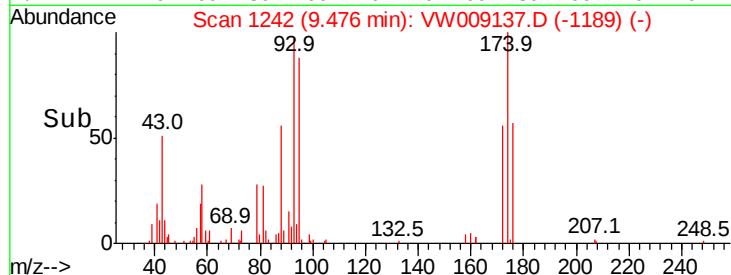
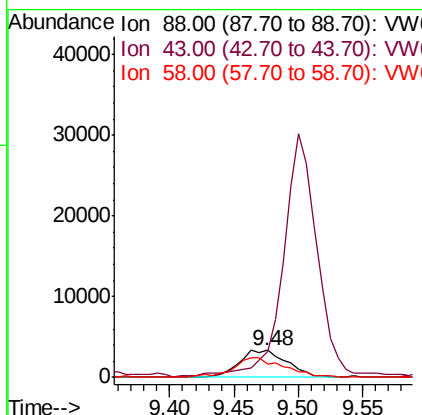
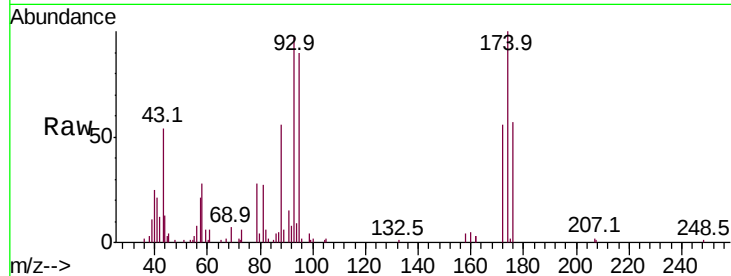
ClientSampleId :

VW0312SBS03

Tot Ion	88	Resp	8546
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	79.3	59.2	88.8

Manual Integrations
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#50

Toluene-d8

Concen: 52.488 ug/l

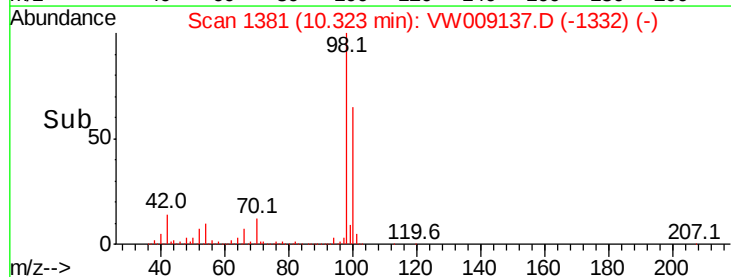
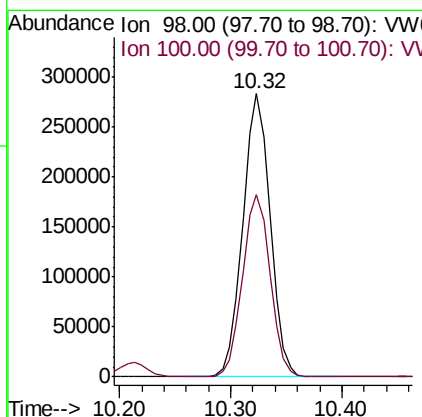
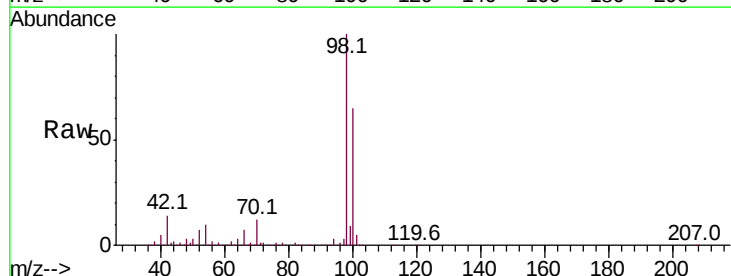
RT: 10.32 min Scan# 1381

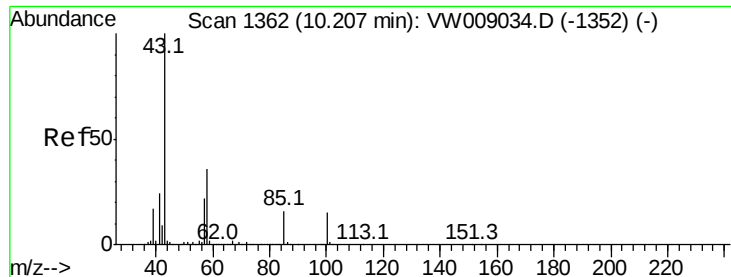
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion	98	Resp	483777
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 107.318 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 43 Resp: 185750

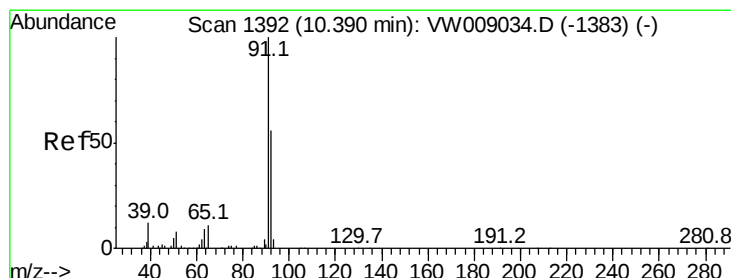
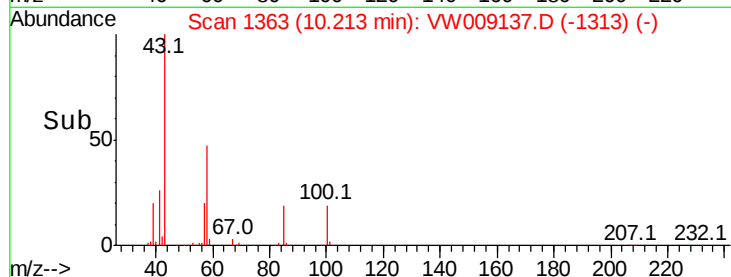
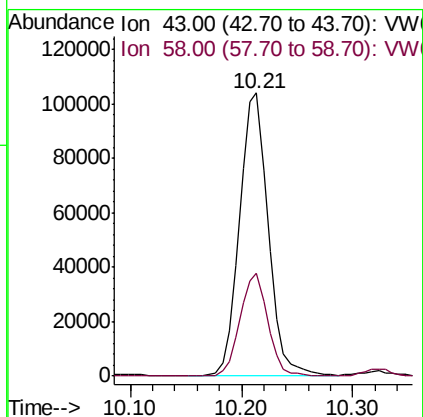
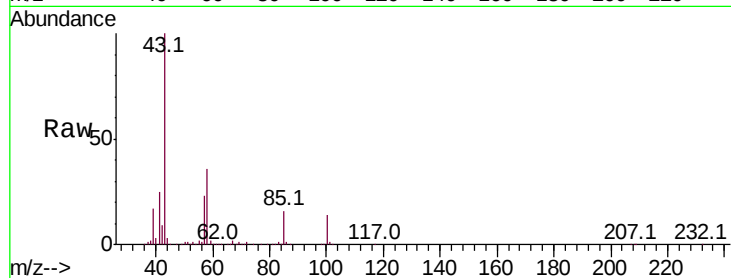
Ion Ratio Lower Upper

43 100

58 35.2 28.8 43.2

Manual Integrations
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3/14/2019 3:13:00 PM



#52

Toluene

Concen: 20.440 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009137.D

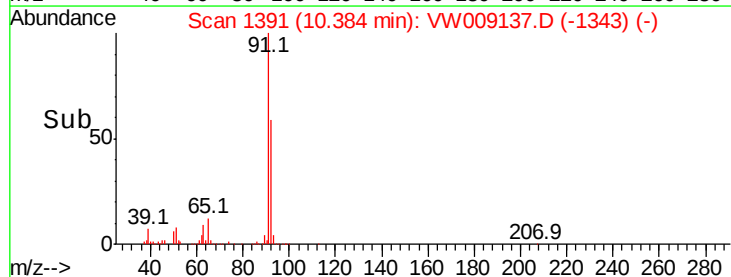
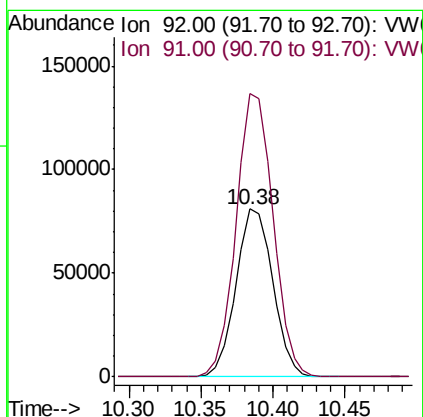
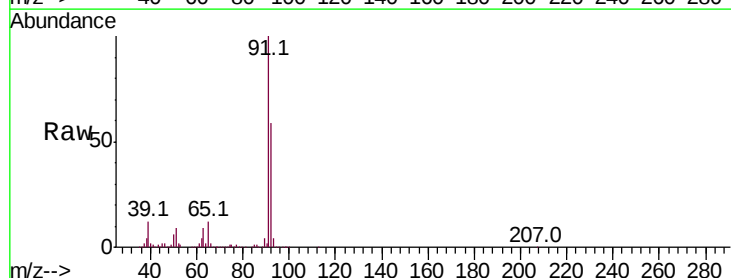
Acq: 13 Mar 2019 05:47

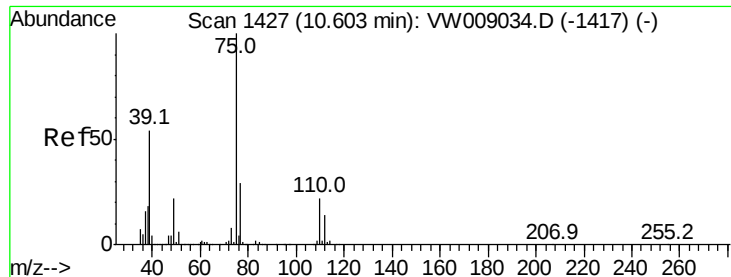
Tgt Ion: 92 Resp: 144211

Ion Ratio Lower Upper

92 100

91 169.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.738 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 75 Resp: 70322

Ion Ratio Lower Upper

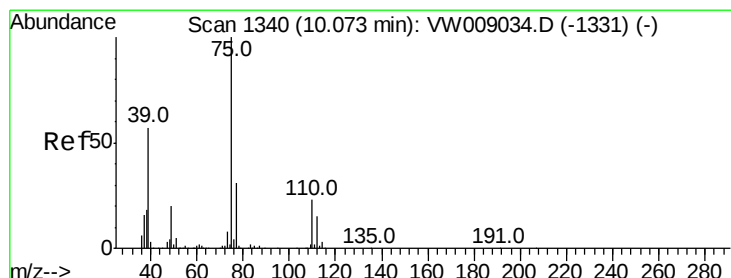
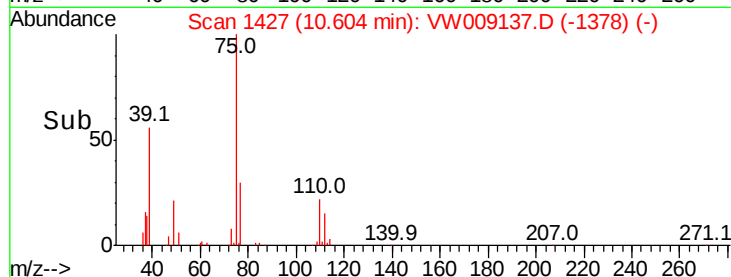
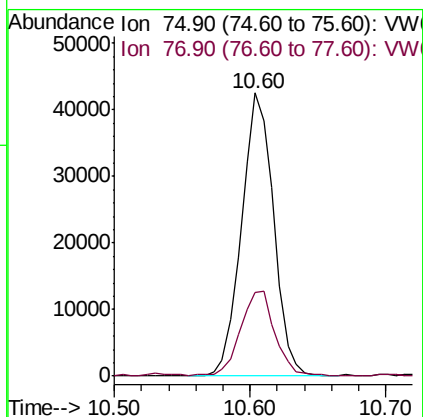
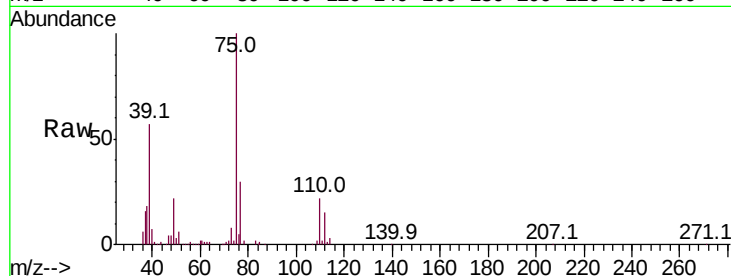
75 100

77 29.7 23.6 35.4

Manual Integrations
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3/14/2019 3:13:00 PM



#54

cis-1,3-Dichloropropene

Concen: 20.583 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

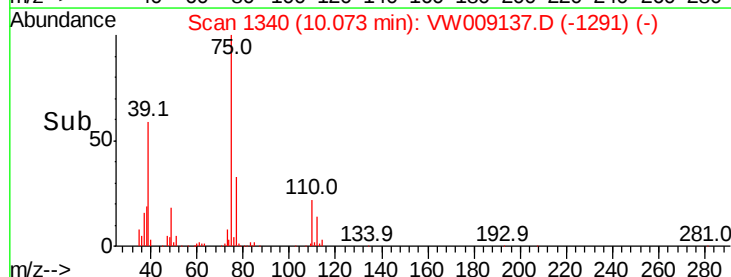
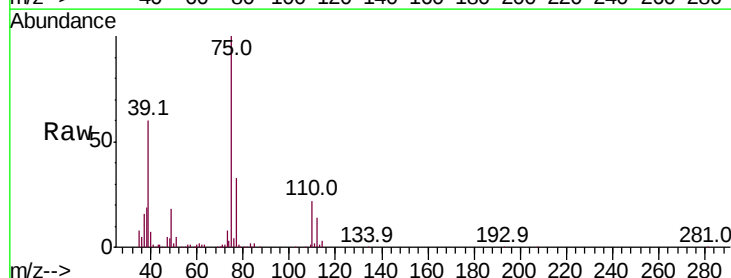
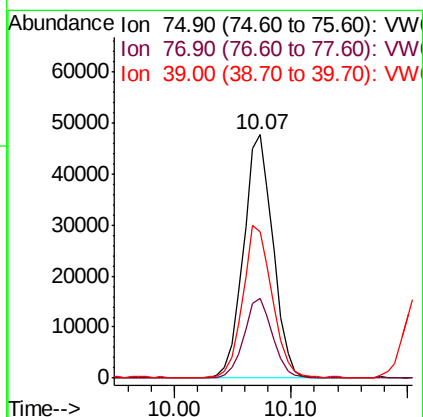
Tgt Ion: 75 Resp: 84268

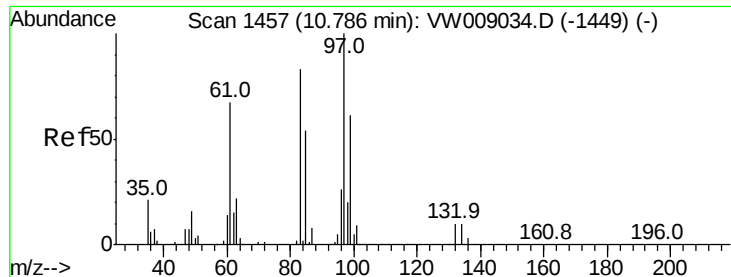
Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8

39 59.6 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 21.588 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

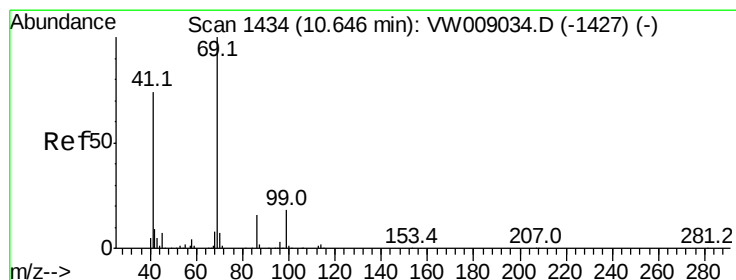
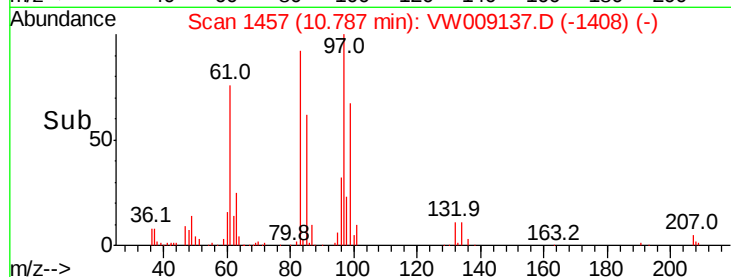
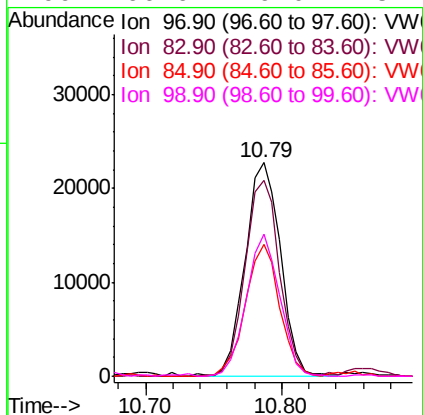
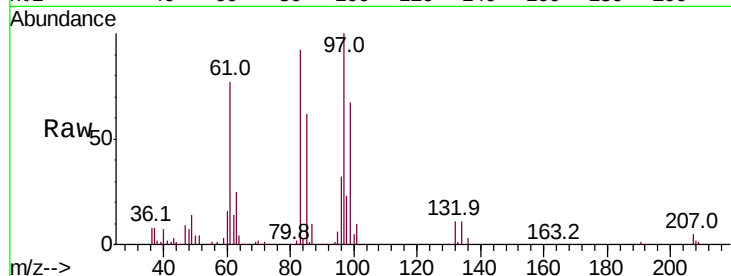
ClientSampleId :

VW0312SBS03

Tot Ion:	97	Resp:	41638
Ion	Ratio	Lower	Upper
97	100		
83	91.7	66.2	99.2
85	61.8	43.6	65.4
99	66.6	49.0	73.4

Manual Integrations
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3/14/2019 3:13:00 PM



#56

Ethyl methacrylate

Concen: 20.178 ug/l

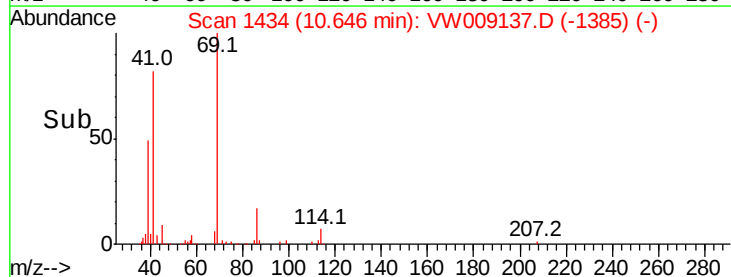
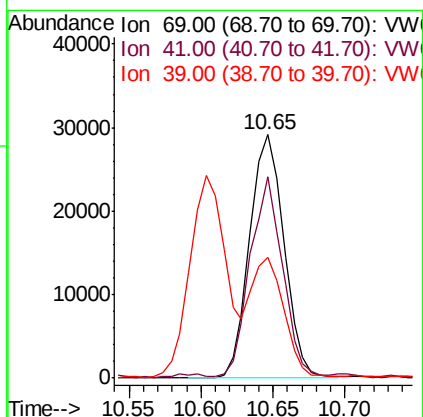
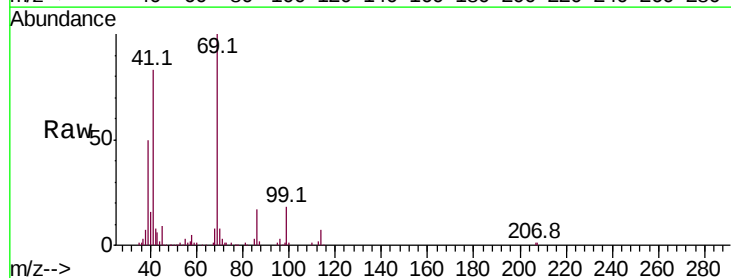
RT: 10.65 min Scan# 1434

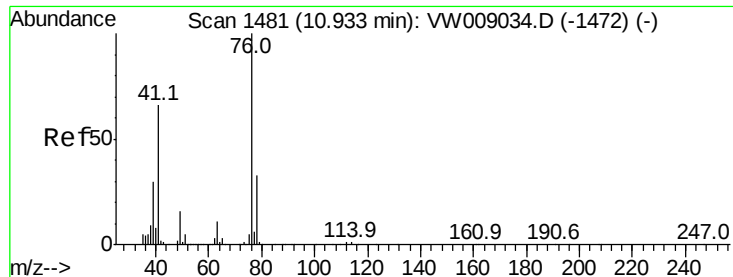
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	69	Resp:	48300
Ion	Ratio	Lower	Upper
69	100		
41	76.6	59.4	89.2
39	46.2	38.5	57.7





#57

1,3-Dichloropropane

Concen: 22.090 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 76 Resp: 75475

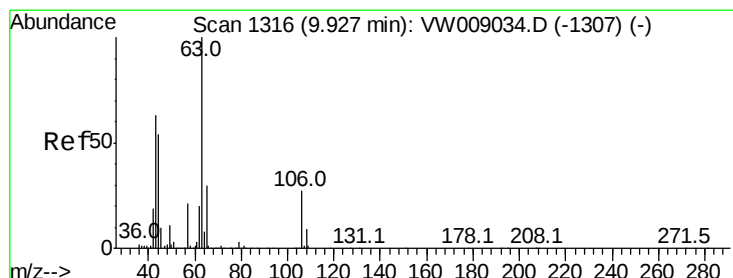
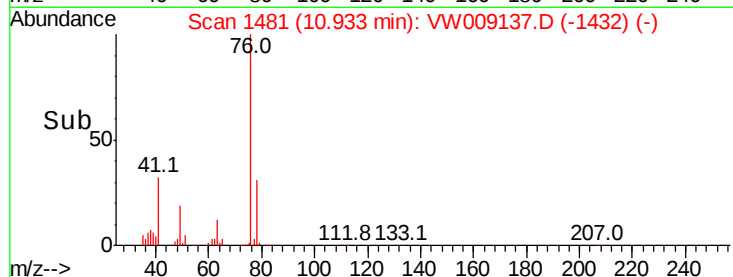
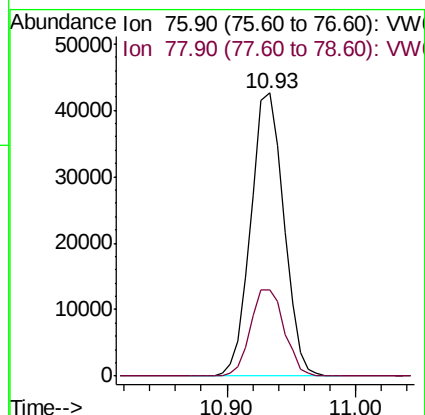
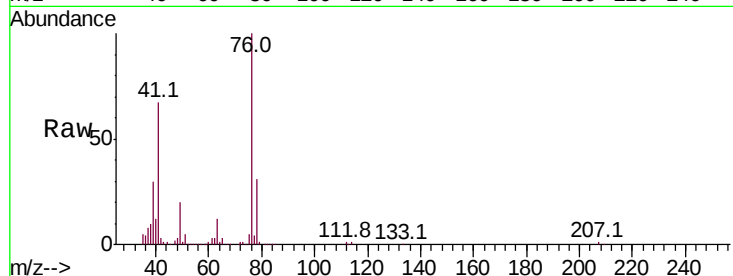
Ion Ratio Lower Upper

76 100

78 31.4 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:13:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 108.798 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW009137.D

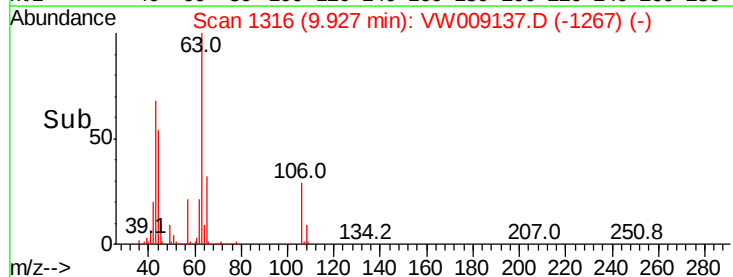
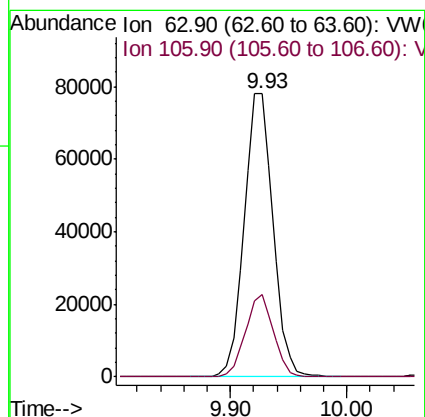
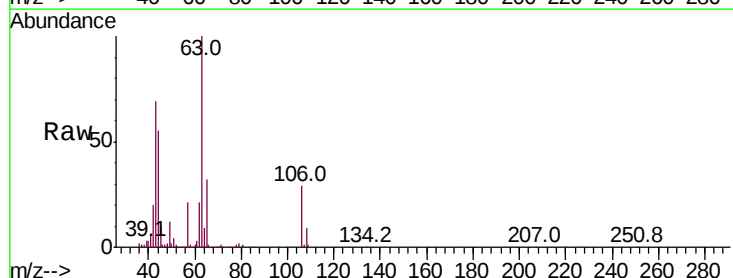
Acq: 13 Mar 2019 05:47

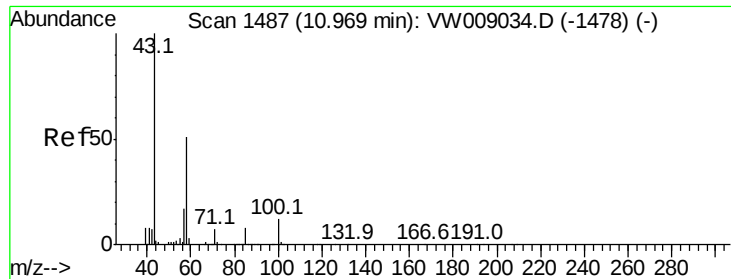
Tgt Ion: 63 Resp: 135010

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





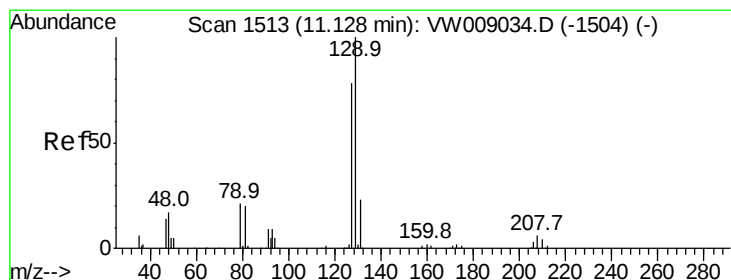
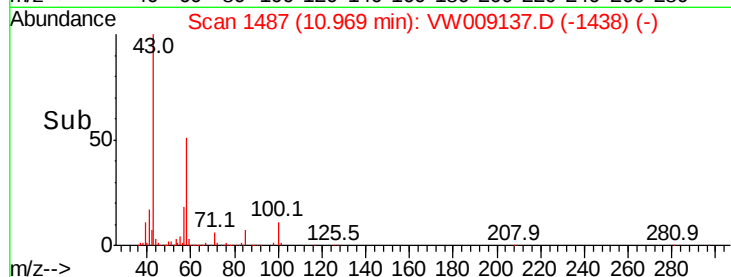
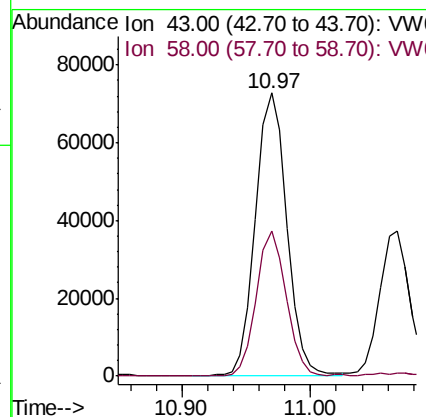
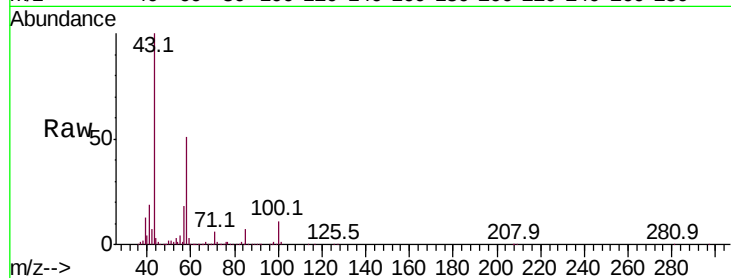
#59
2-Hexanone
Concen: 100.407 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.1	25.3	75.9

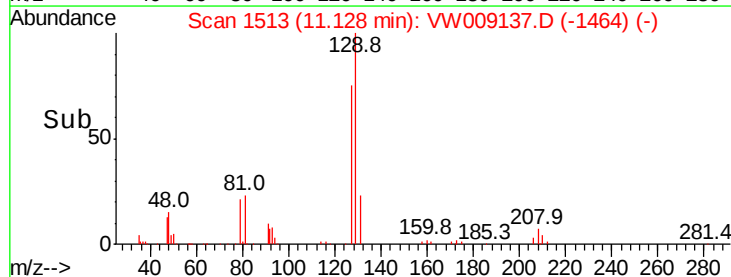
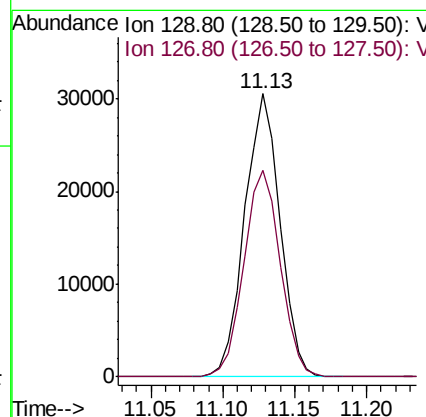
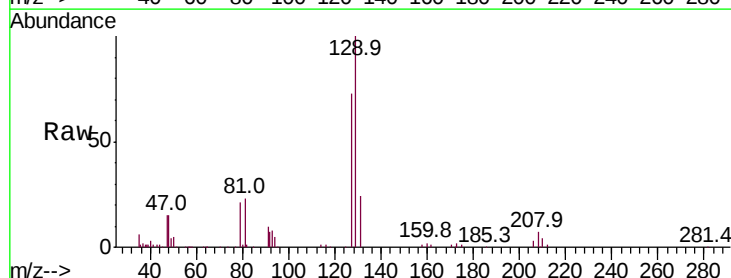
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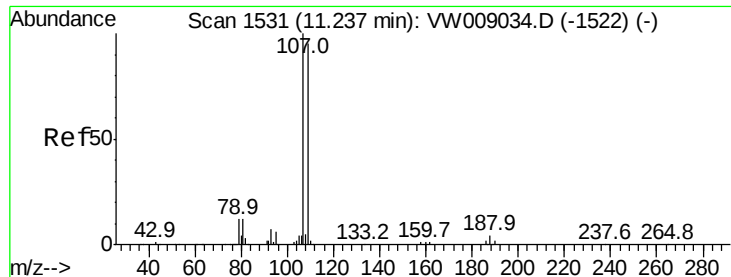
MMDadoda
3/14/2019 3:13:00 PM



#60
Dibromochloromethane
Concen: 21.709 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.4	115.1





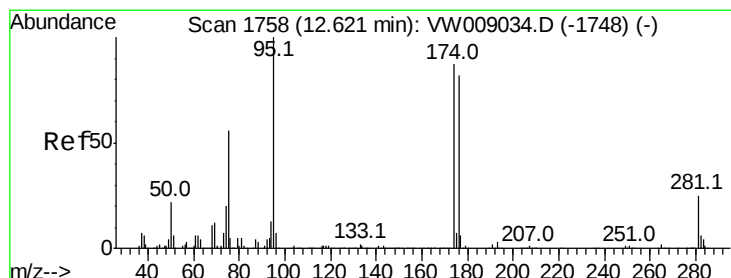
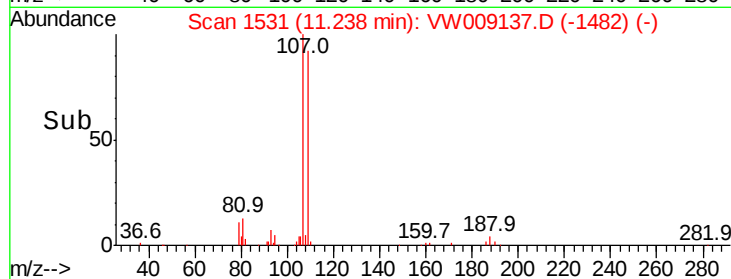
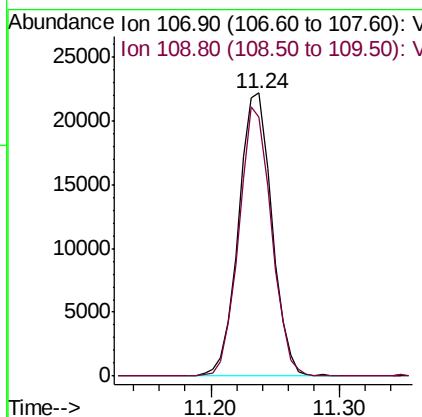
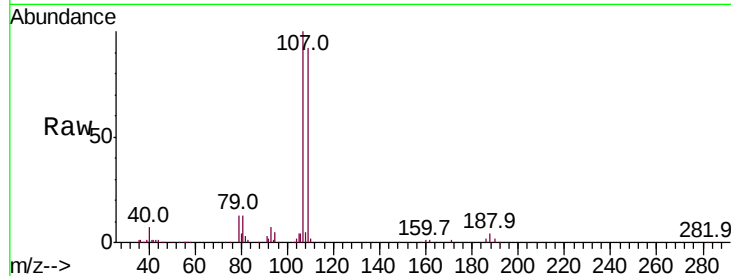
#61
 1,2-Dibromoethane
 Concen: 20.984 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Tot Ion:107 Resp: 39677
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.7 112.1

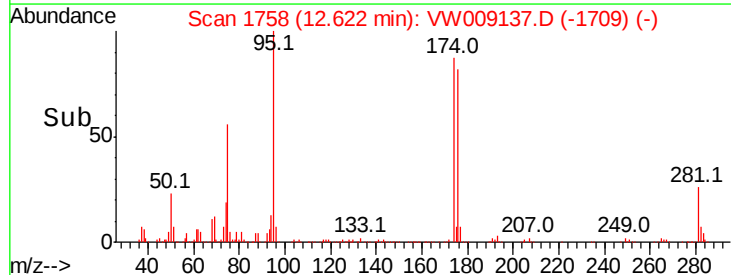
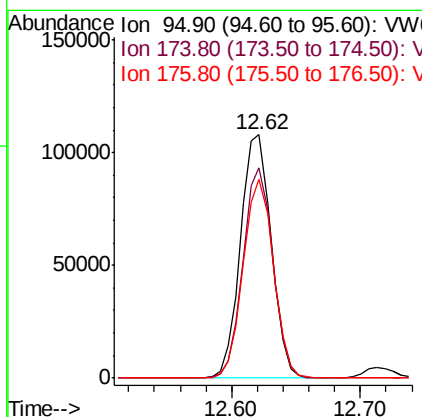
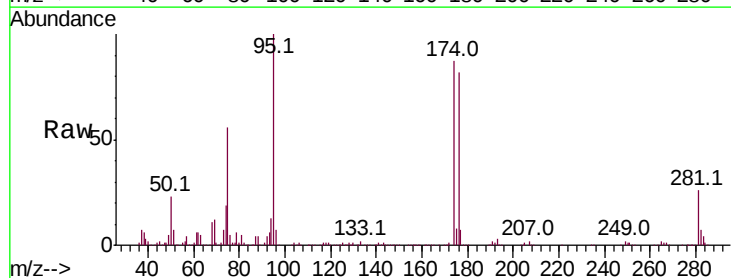
Manual Integrations
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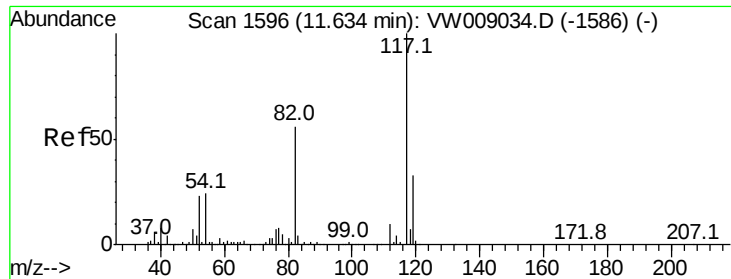
MMDadoda
 3/14/2019 3:13:00 PM



#62
 4-Bromofluorobenzene
 Concen: 49.160 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion: 95 Resp: 178368
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 167.0
 176 80.1 0.0 159.4





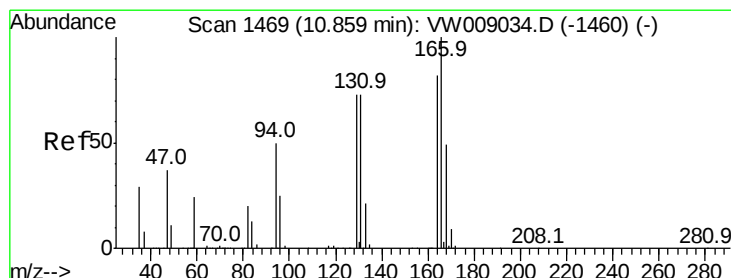
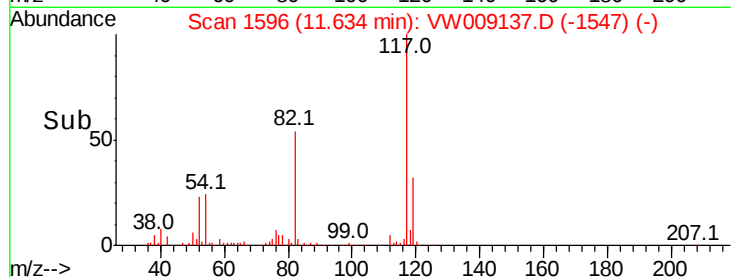
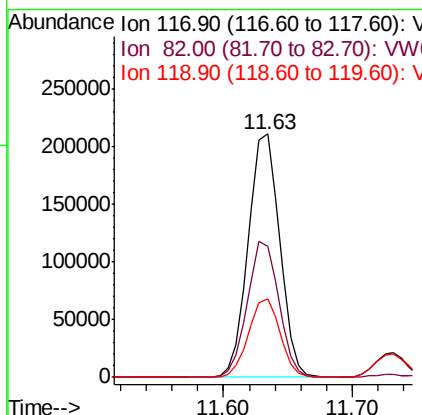
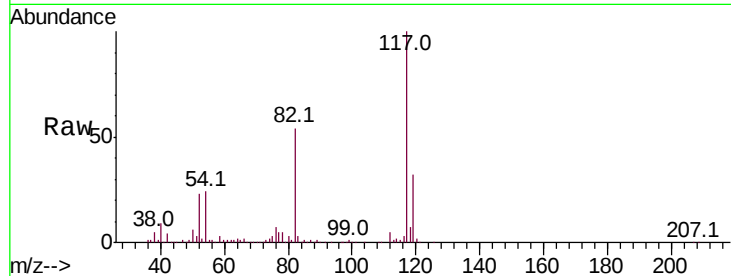
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	53.8	45.0	67.6	
119	32.0	26.6	39.8	

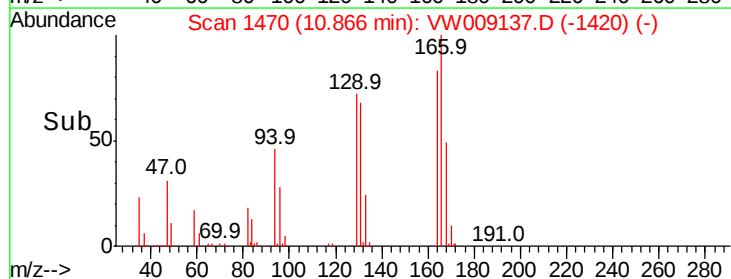
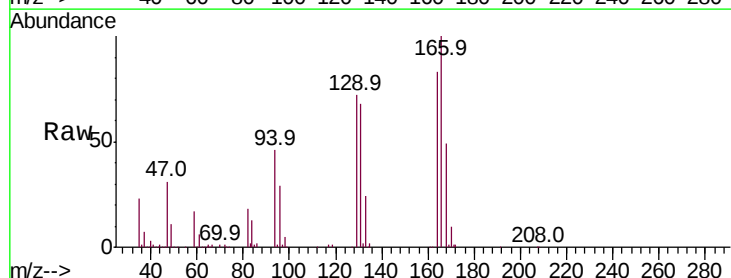
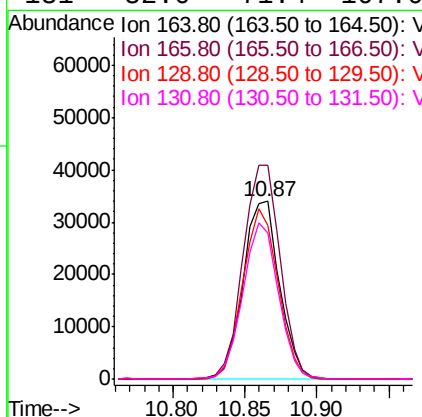
Manual Integrations
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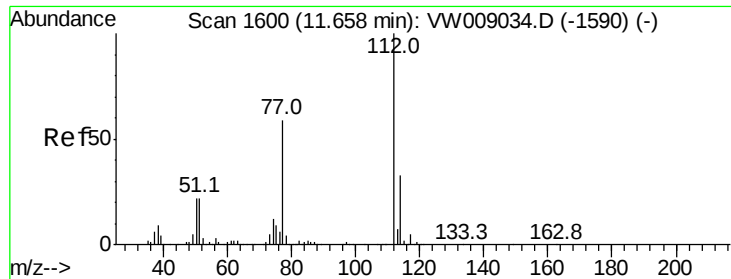
MMDadoda
3/14/2019 3:13:00 PM



#64
Tetrachloroethene
Concen: 23.267 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	120.3	97.8	146.6	
129	86.6	71.6	107.4	
131	82.0	71.4	107.0	





#65

Chlorobenzene

Concen: 20.197 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion:112 Resp: 156324

Ion Ratio Lower Upper

112 100

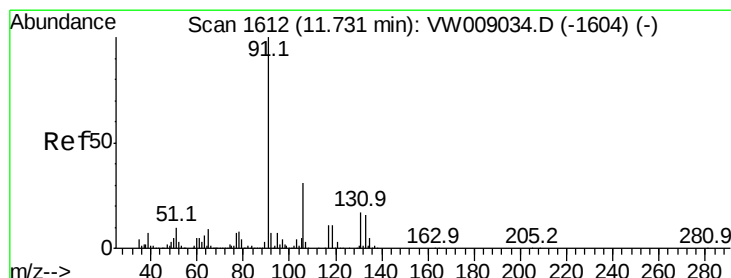
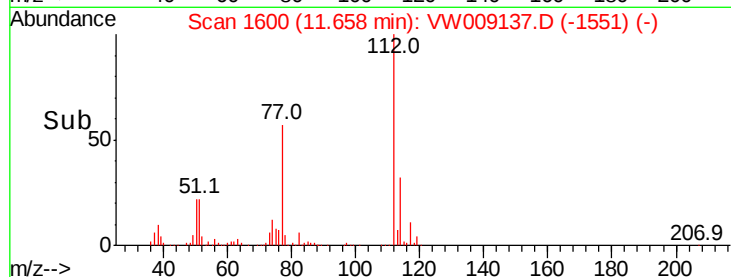
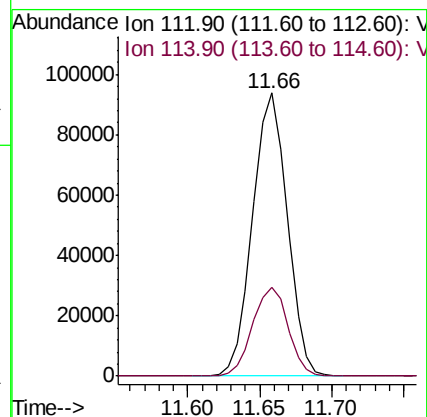
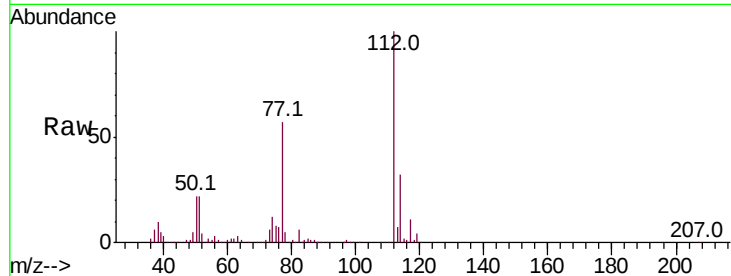
114 31.6 26.6 40.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.113 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

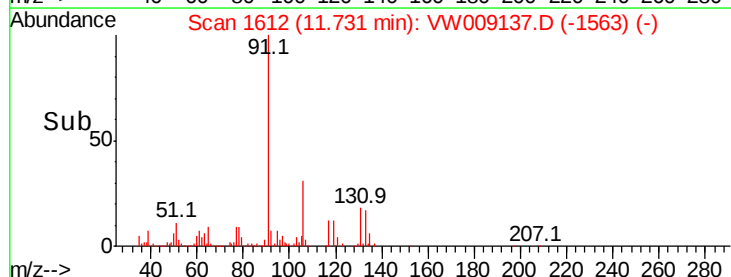
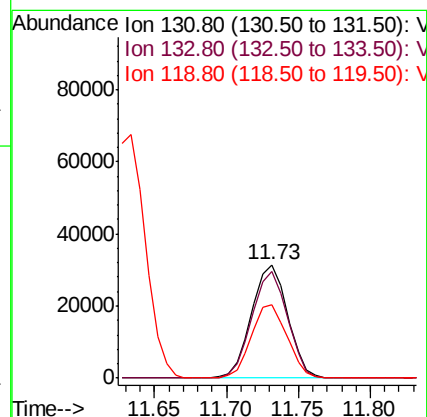
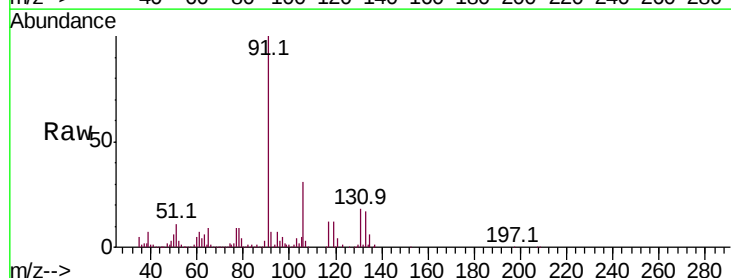
Tgt Ion:131 Resp: 54563

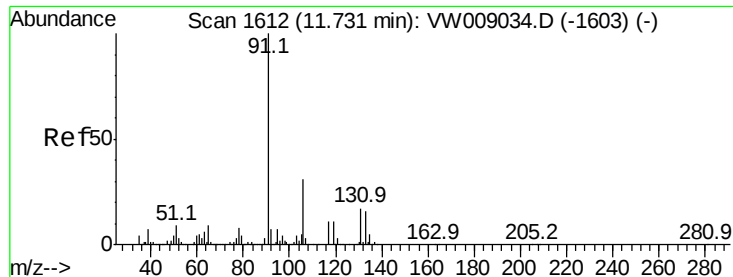
Ion Ratio Lower Upper

131 100

133 92.9 47.6 142.8

119 64.0 31.3 93.8





#67

Ethyl Benzene

Concen: 19.732 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 91 Resp: 275901

Ion Ratio Lower Upper

91 100

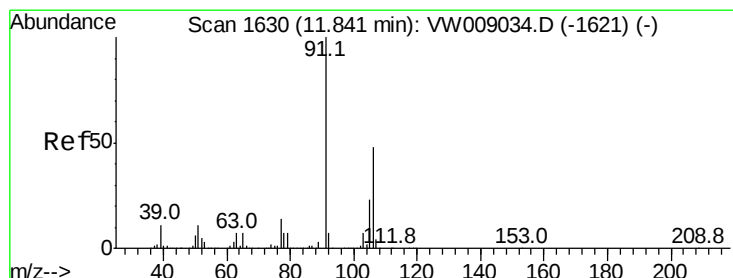
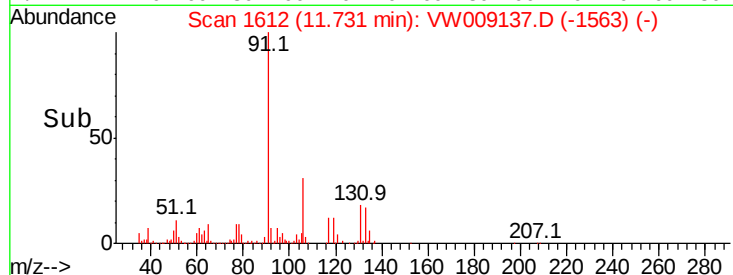
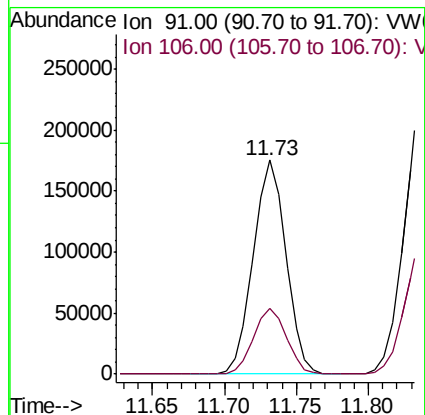
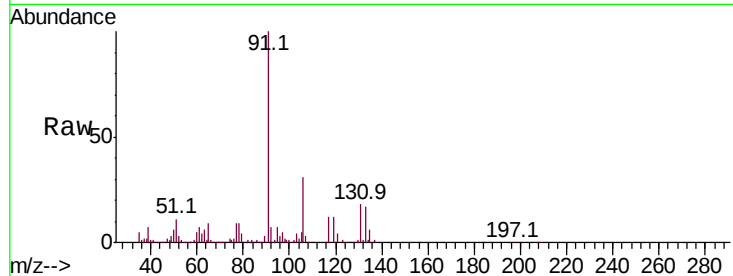
106 30.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.947 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009137.D

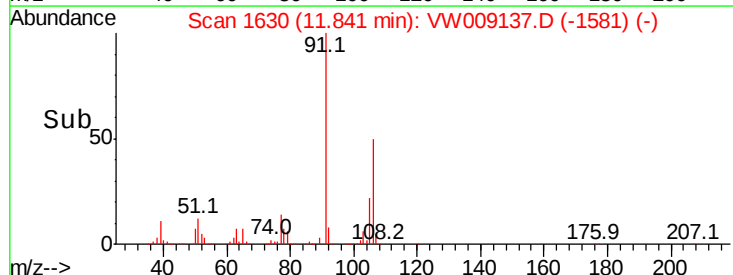
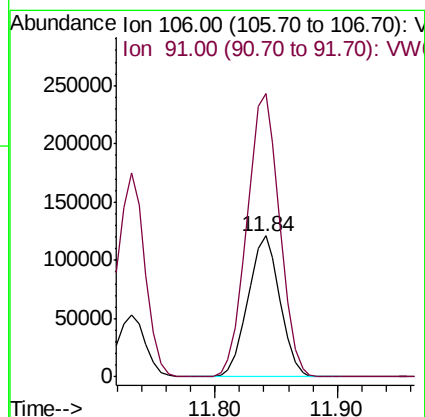
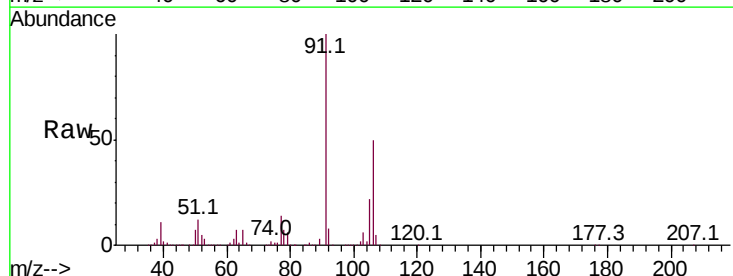
Acq: 13 Mar 2019 05:47

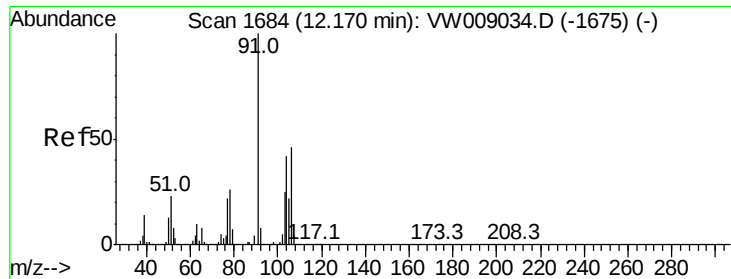
Tgt Ion: 106 Resp: 220468

Ion Ratio Lower Upper

106 100

91 204.0 163.2 244.8





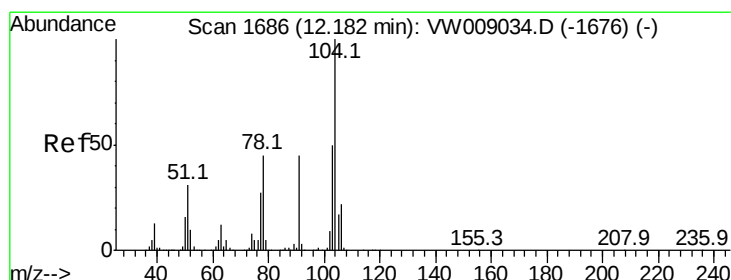
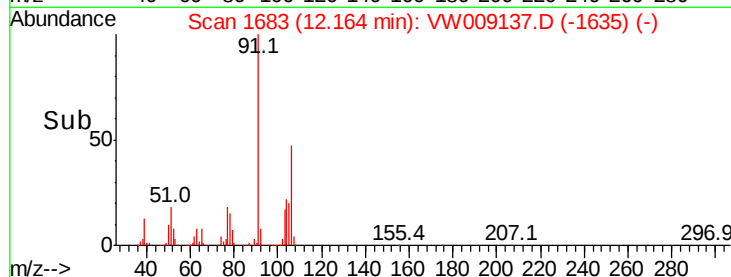
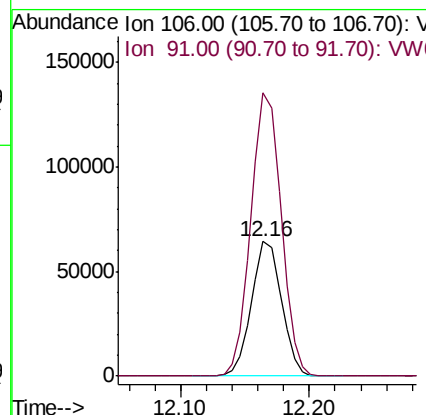
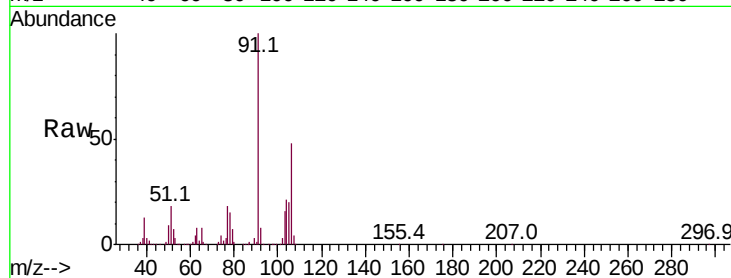
#69
o-Xylene
Concen: 20.204 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	108.6	325.6

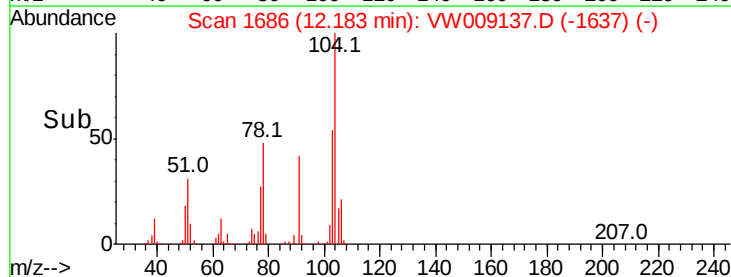
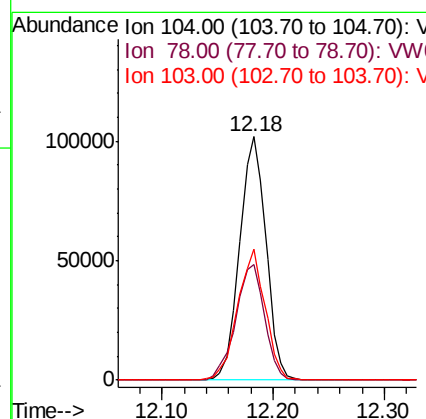
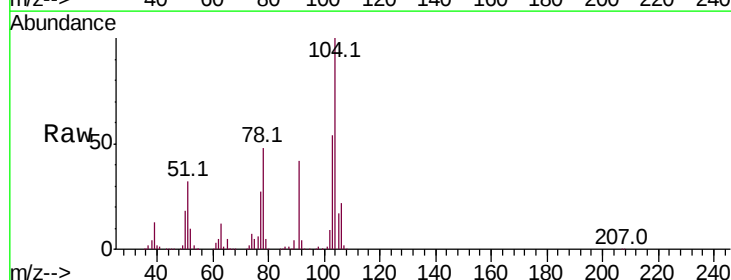
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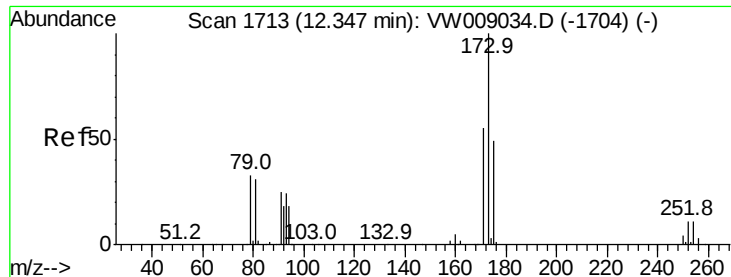
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#70
Styrene
Concen: 20.101 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.1	63.1
103	56.4	43.9	65.9





#71

Bromoform

Concen: 21.759 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion:173 Resp: 30193

Ion Ratio Lower Upper

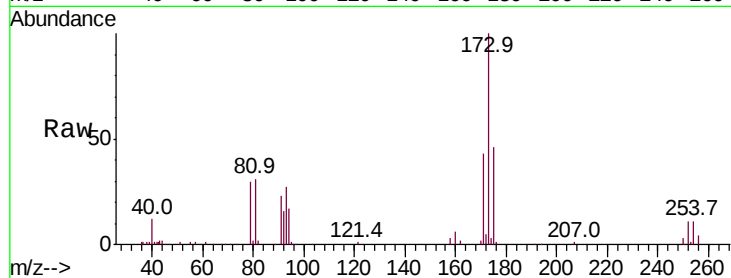
173 100

175 47.6 24.6 74.0

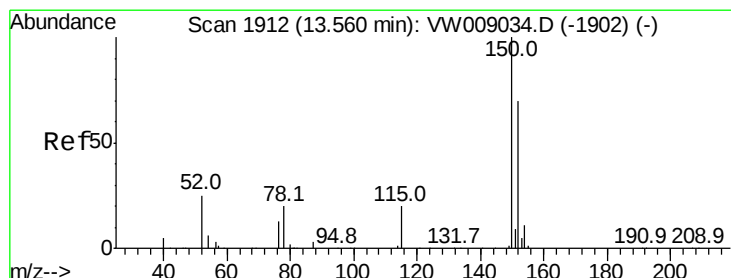
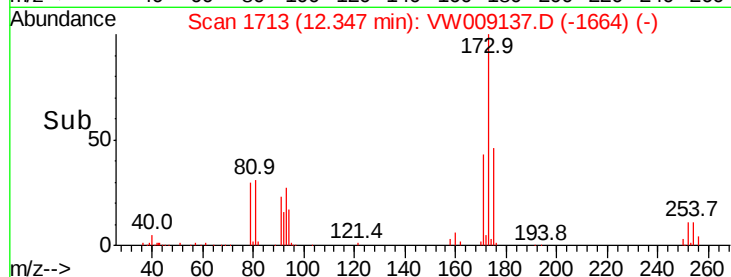
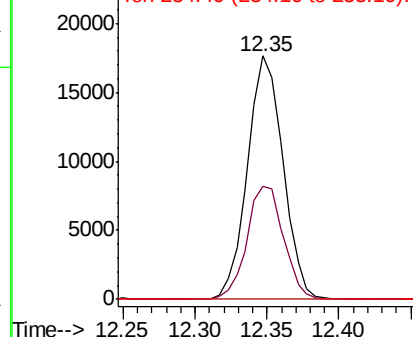
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

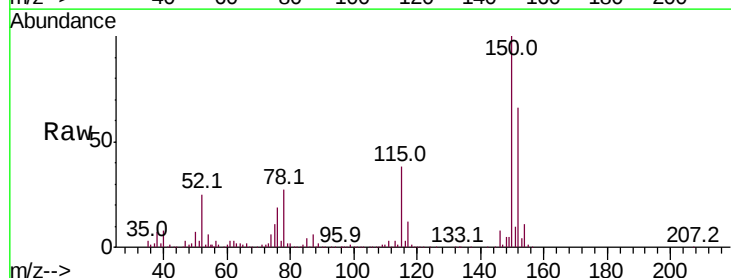
Tgt Ion:152 Resp: 194181

Ion Ratio Lower Upper

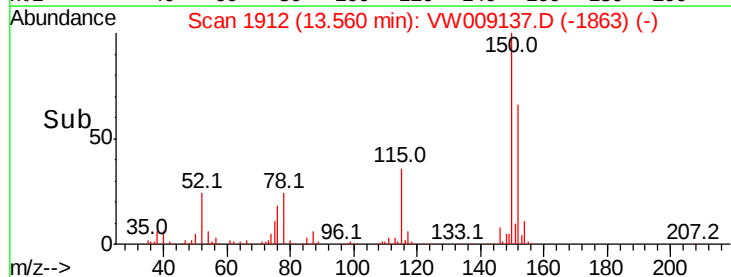
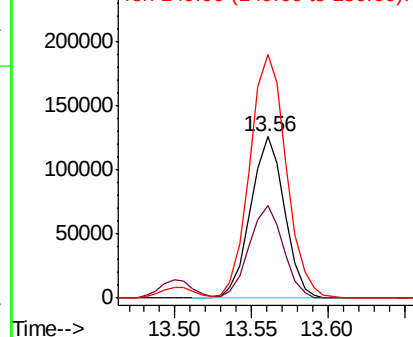
152 100

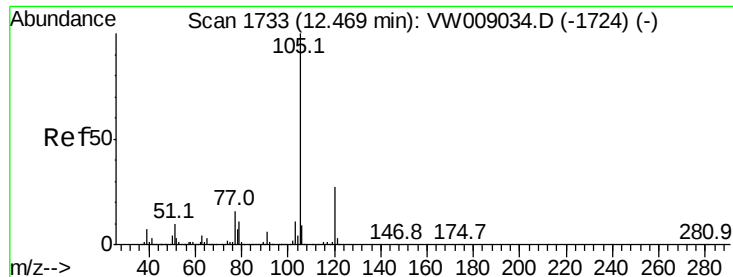
115 57.5 28.9 86.7

150 162.4 0.0 349.2



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





#73

Isopropylbenzene

Concen: 19.831 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion:105 Resp: 275766

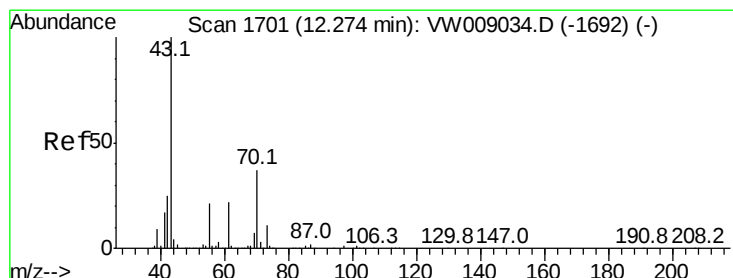
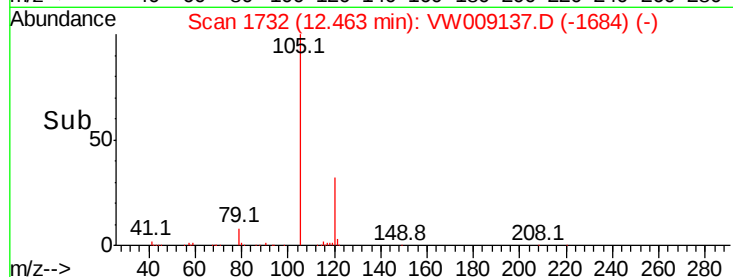
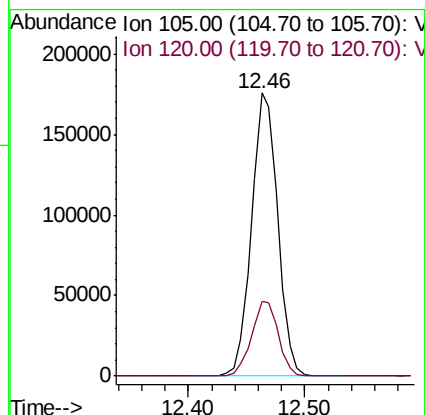
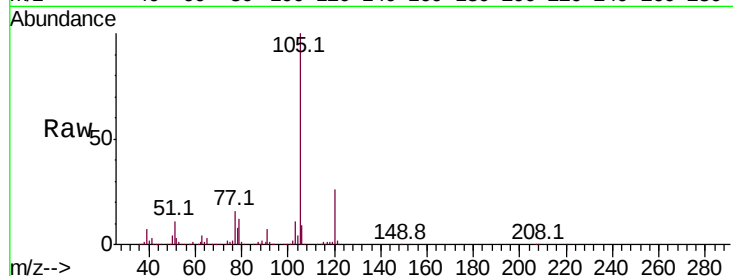
Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.284 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion: 43 Resp: 66773

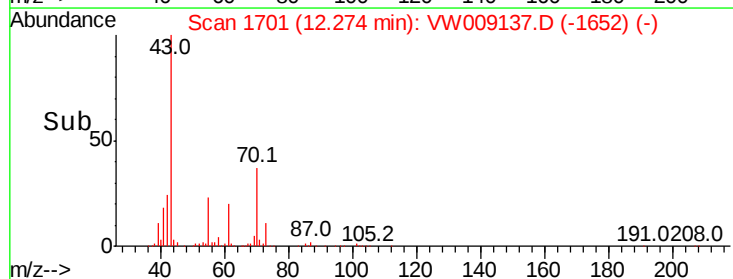
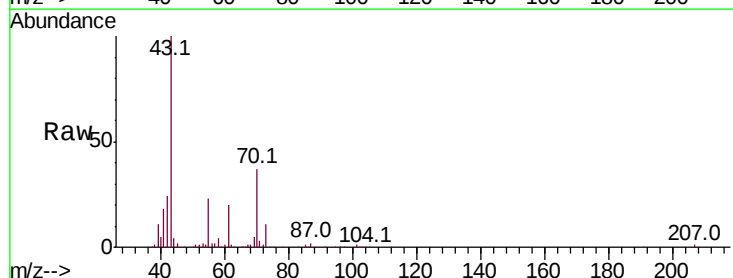
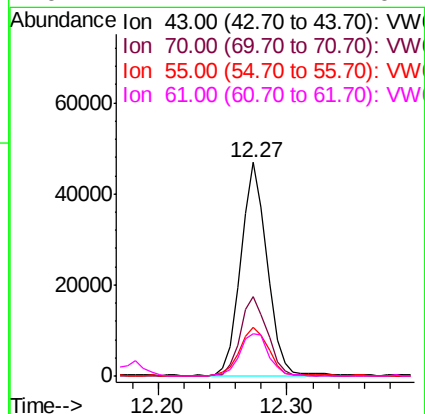
Ion Ratio Lower Upper

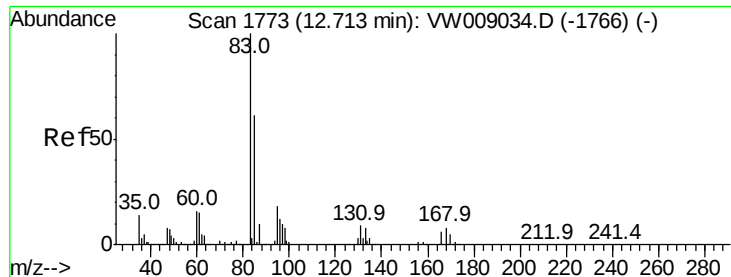
43 100

70 38.1 30.8 46.2

55 24.3 17.8 26.8

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.048 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

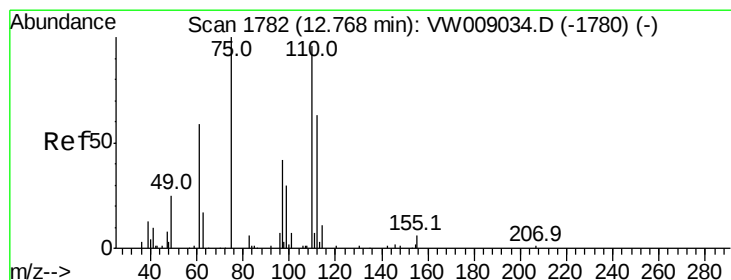
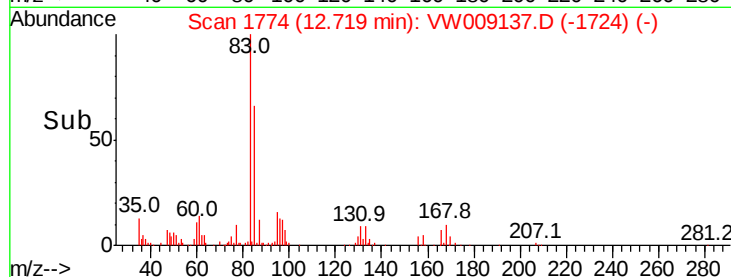
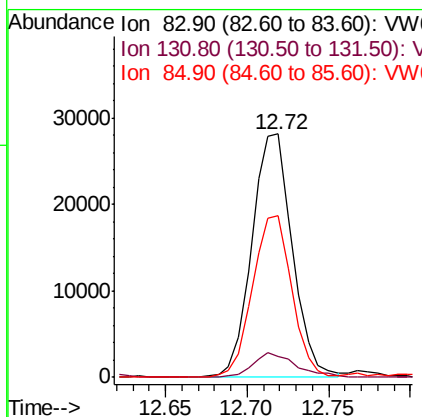
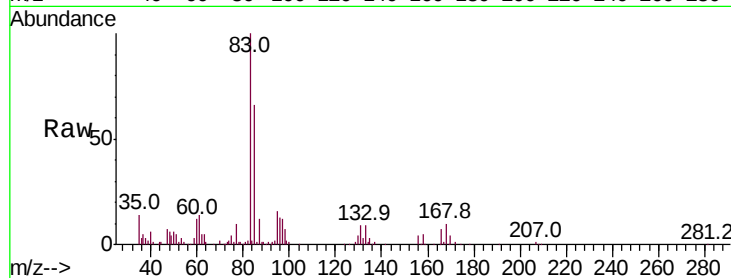
ClientSampleId :

VW0312SBS03

Tot Ion:	83	Resp:	48362
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	64.6	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.296 ug/l m

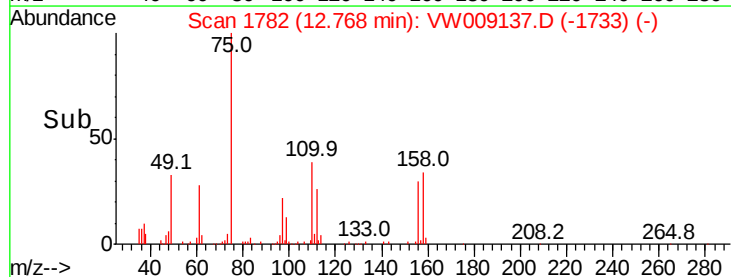
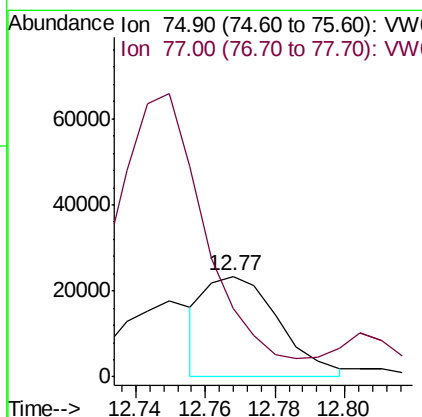
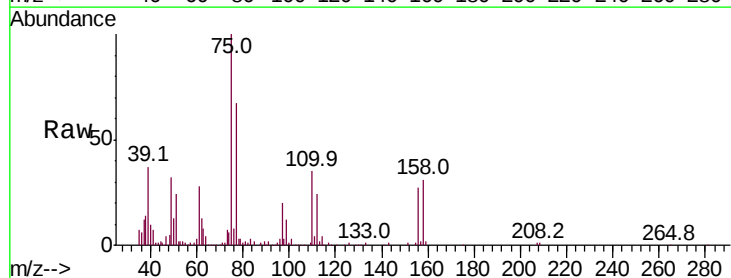
RT: 12.77 min Scan# 1782

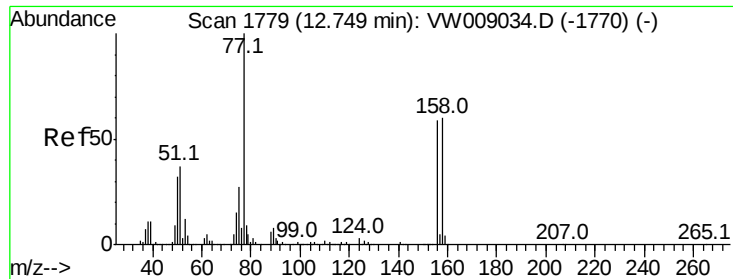
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	75	Resp:	34206
Ion Ratio	Lower	Upper	
75	100		
77	352.2	186.7	560.0





#77

Bromobenzene

Concen: 20.589 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

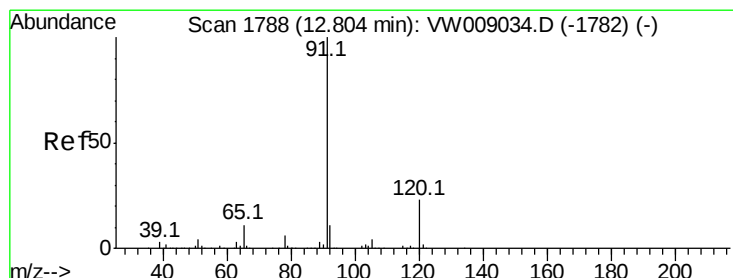
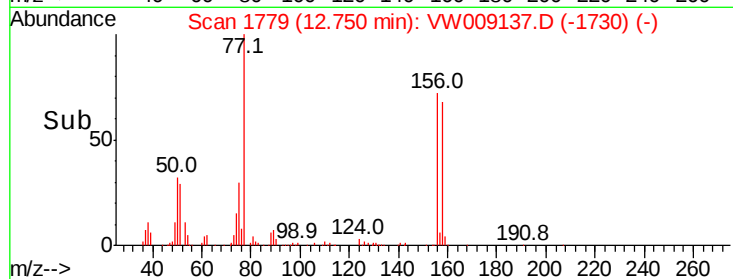
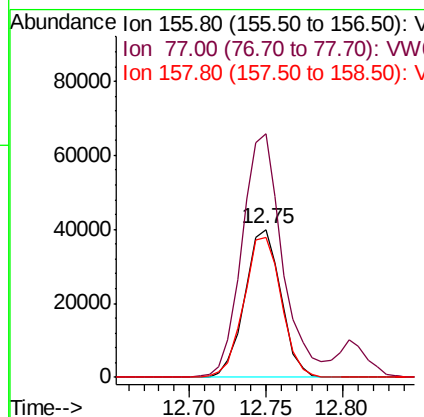
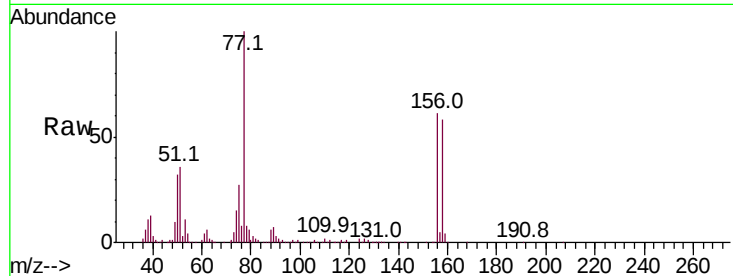
ClientSampleId :

VW0312SBS03

Tot Ion:	156	Resp:	65416
Ion Ratio	Lower	Upper	
156	100		
77	184.2	93.0	279.2
158	98.7	50.0	149.8

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#78

n-propylbenzene

Concen: 19.587 ug/l

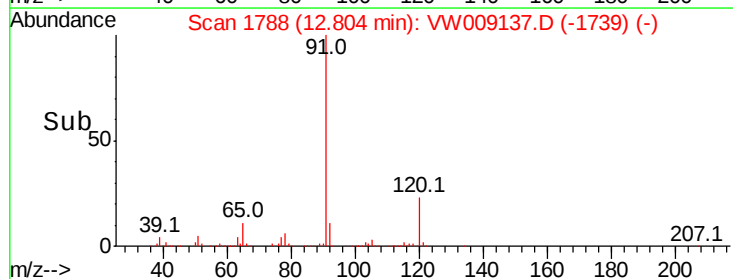
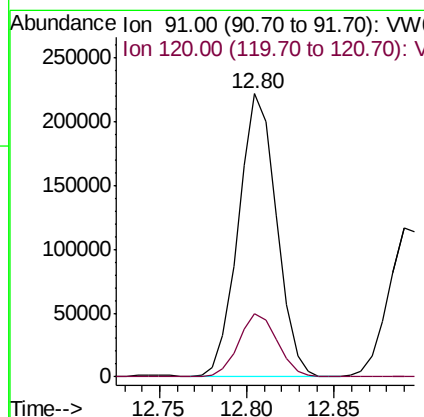
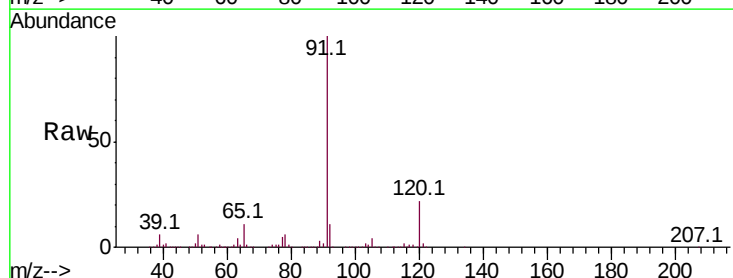
RT: 12.80 min Scan# 1788

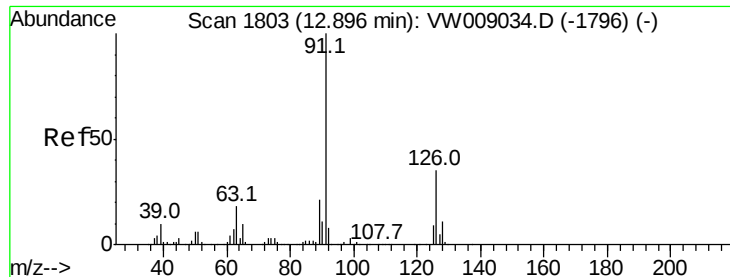
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion:	91	Resp:	335492
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.105 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 91 Resp: 193481

Ion Ratio Lower Upper

91 100

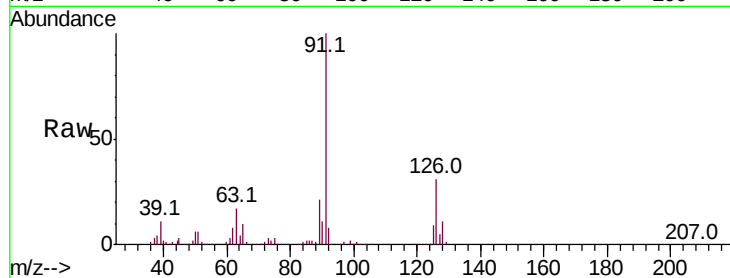
126 33.8 16.8 50.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

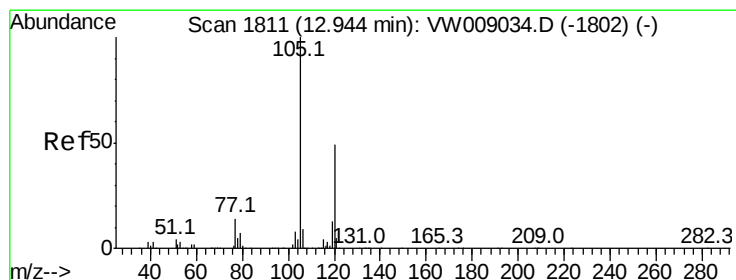
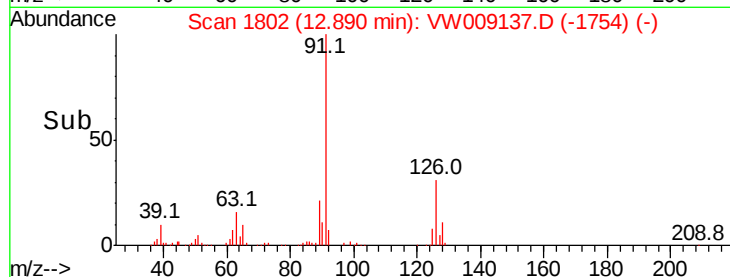
12.89

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.689 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009137.D

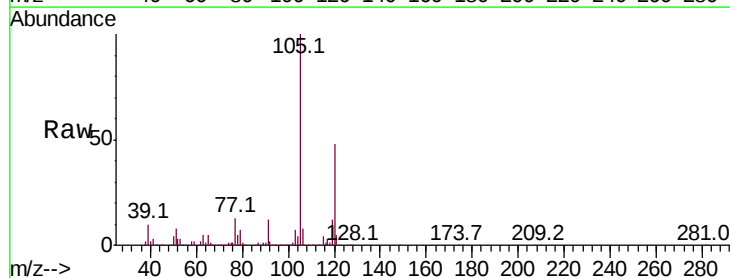
Acq: 13 Mar 2019 05:47

Tgt Ion:105 Resp: 236002

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

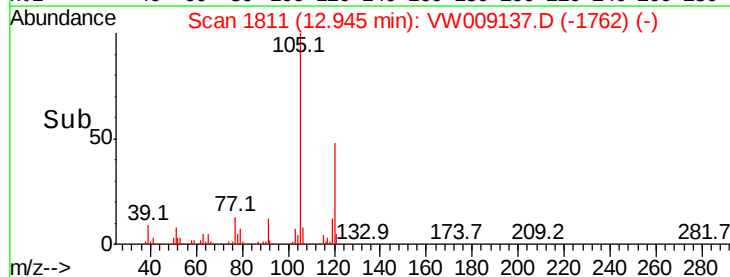
150000

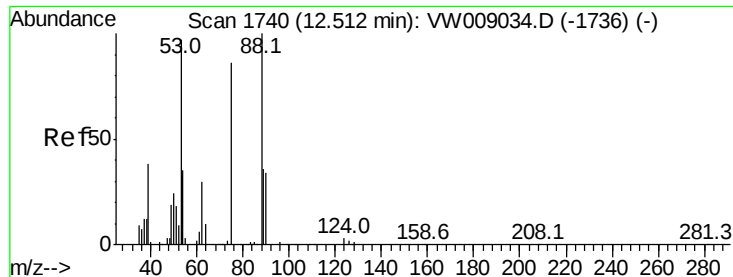
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.782 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW009137.D

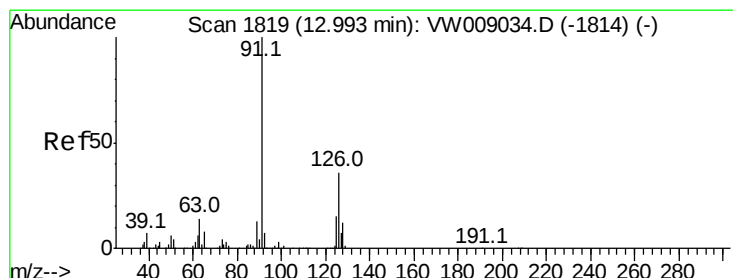
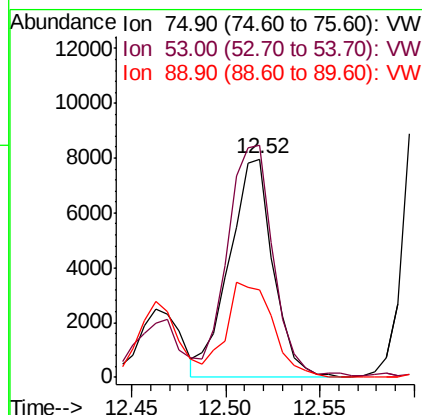
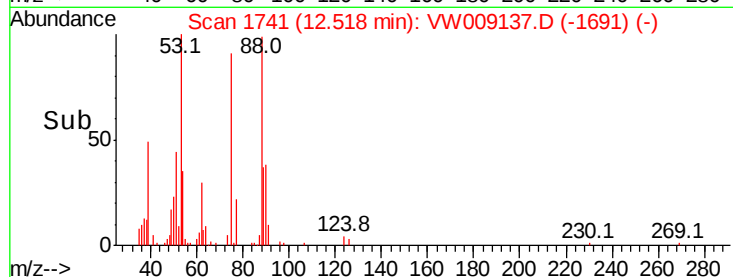
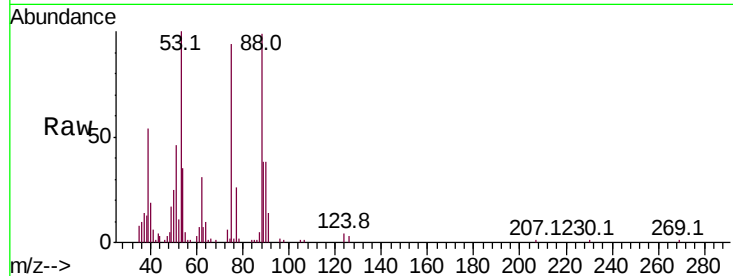
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.3	90.5	135.7
89	46.3	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.772 ug/l

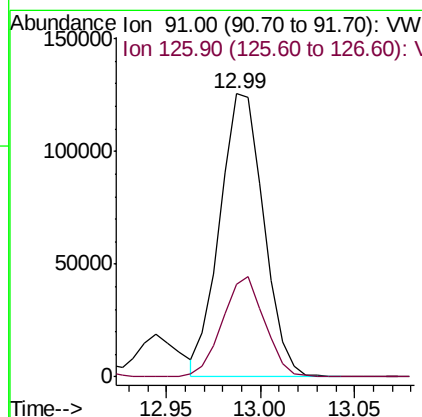
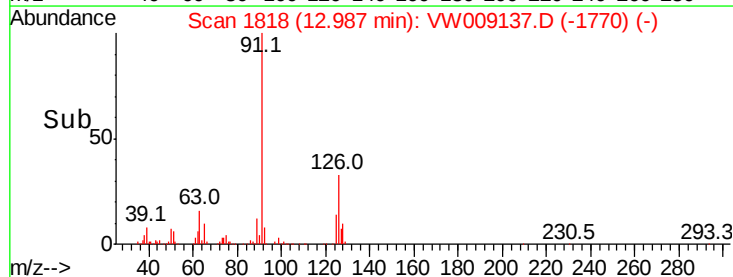
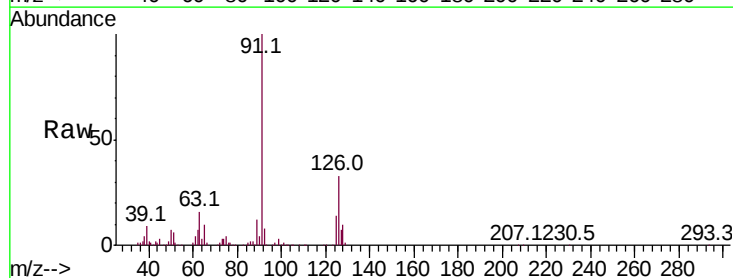
RT: 12.99 min Scan# 1818

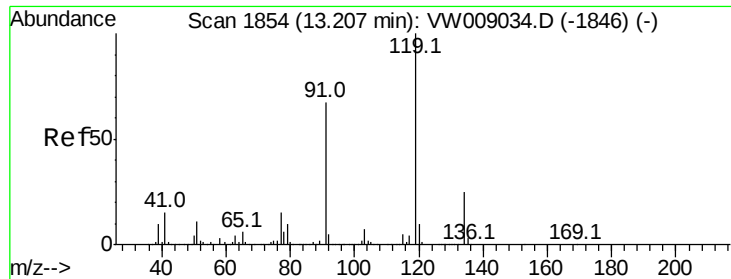
Delta R.T. -0.01 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.6	49.8





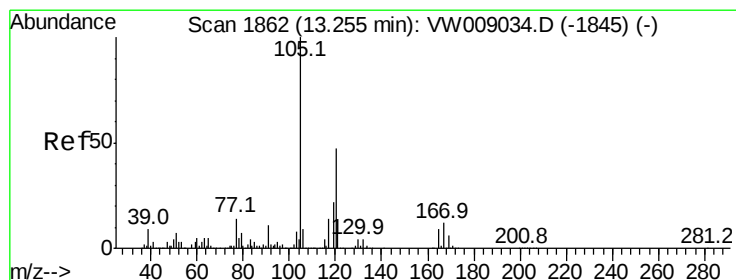
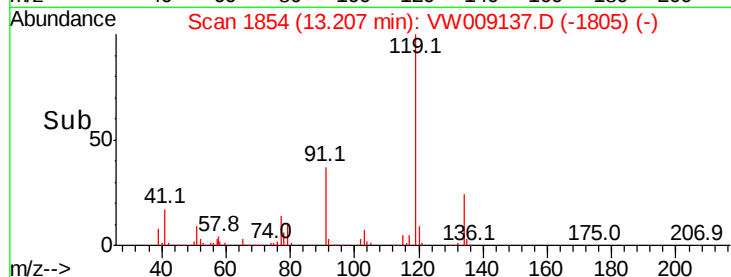
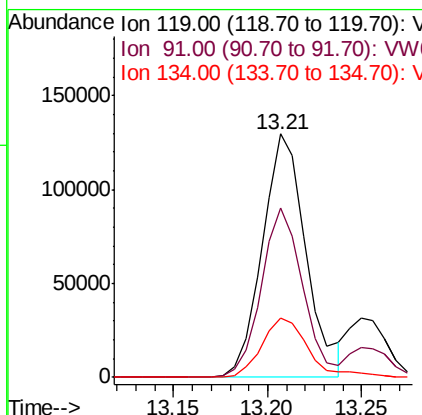
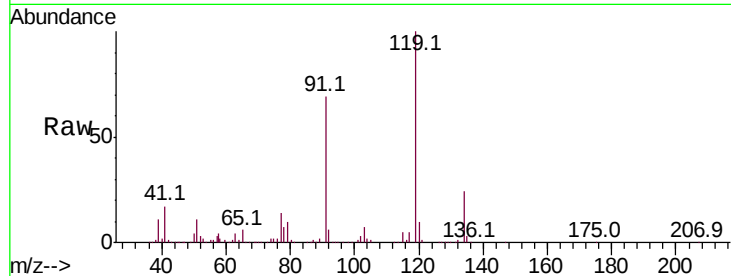
#83
tert-Butylbenzene
Concen: 20.643 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208680		
91	65.9		34.2	102.5
134	25.9		13.9	41.6

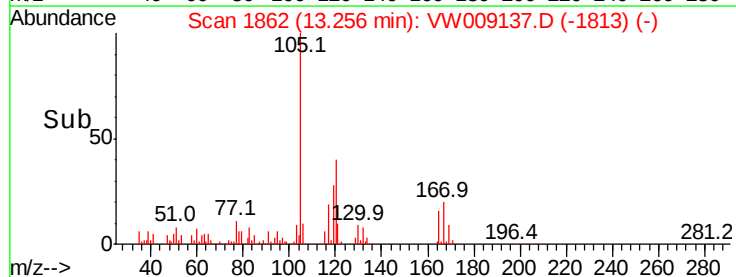
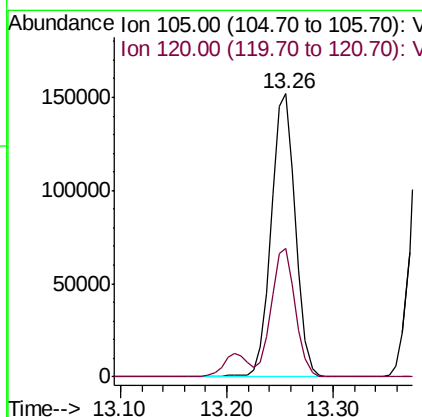
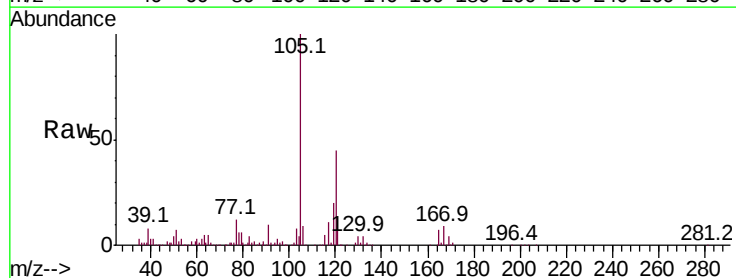
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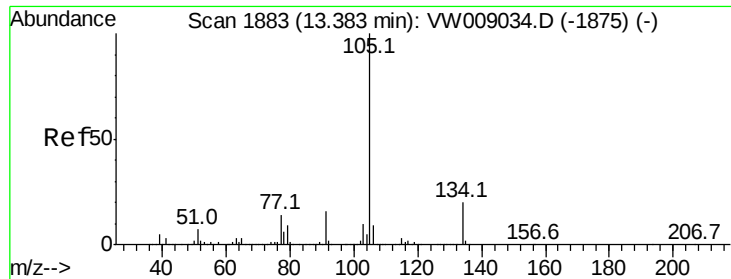
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#84
1,2,4-Trimethylbenzene
Concen: 19.912 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241438		
120	44.9		22.8	68.4





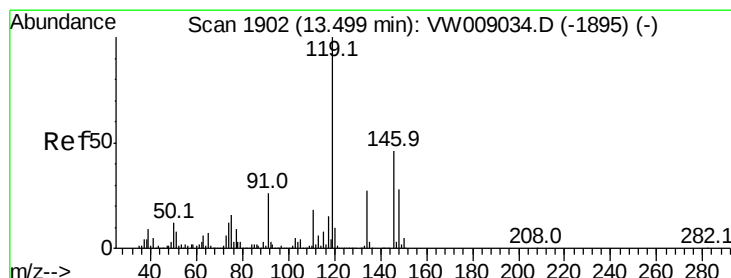
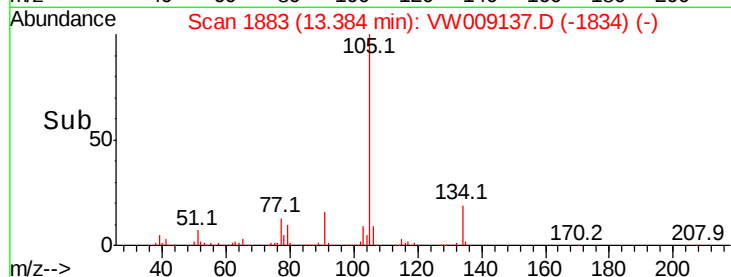
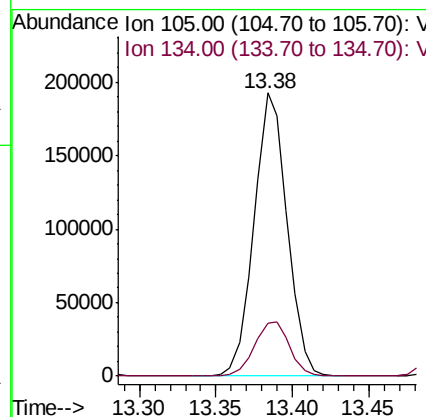
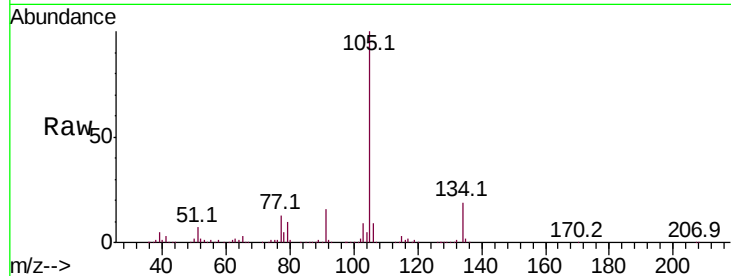
#85
 sec-Butylbenzene
 Concen: 19.320 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	289369		
134	20.3	10.0	30.0	

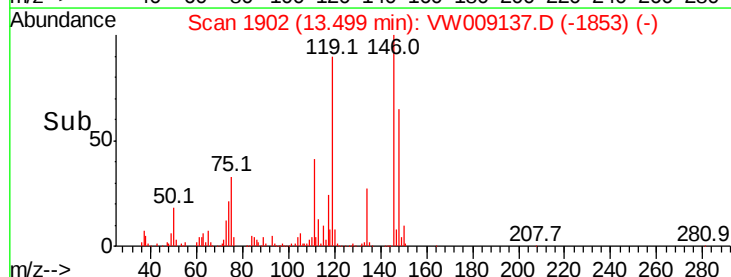
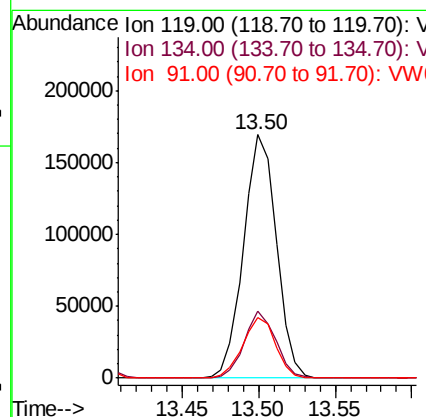
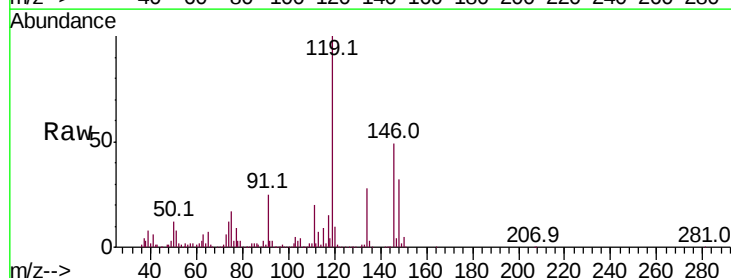
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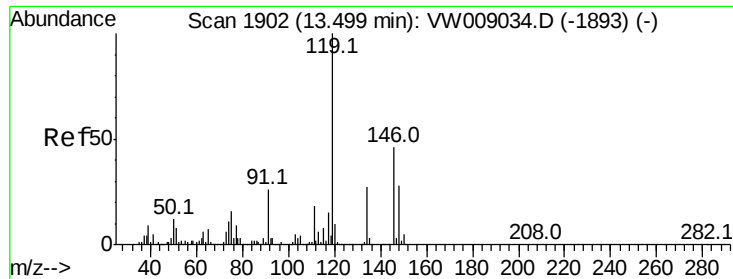
MMDadoda
 3/14/2019 3:13:00 PM



#86
 p-Isopropyltoluene
 Concen: 18.831 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	252317		
134	26.4	13.3	39.9	
91	24.8	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 19.808 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

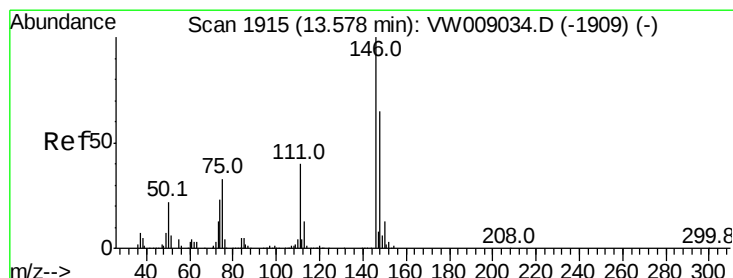
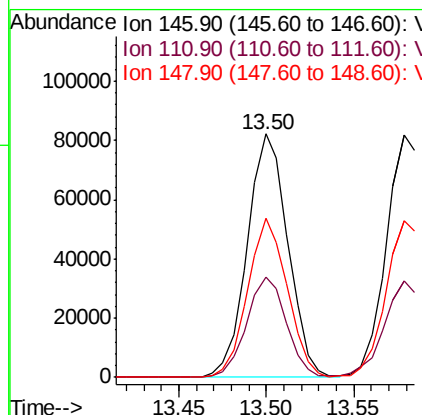
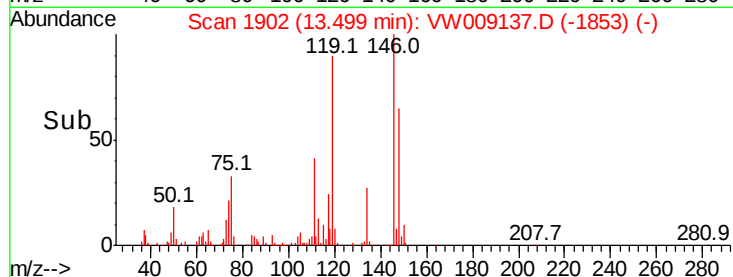
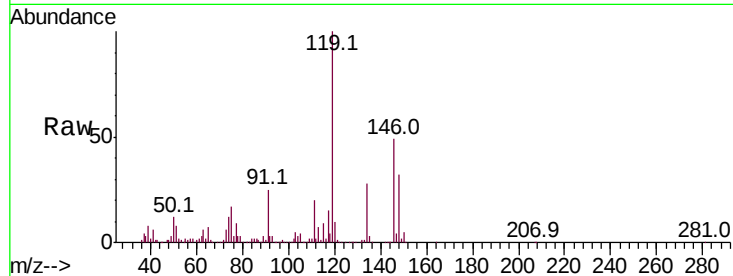
Instrument :
MSVOA_W

ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132265		
111	40.6	19.8	59.4	
148	63.9	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.859 ug/l

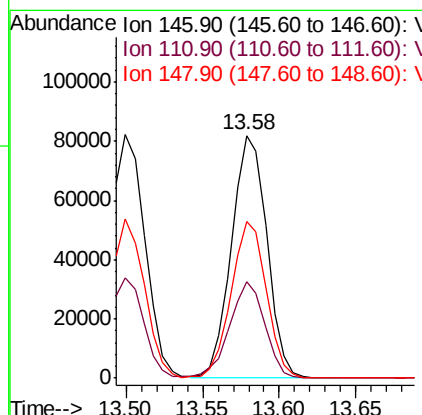
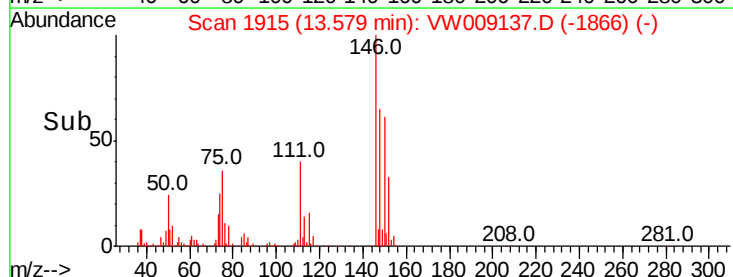
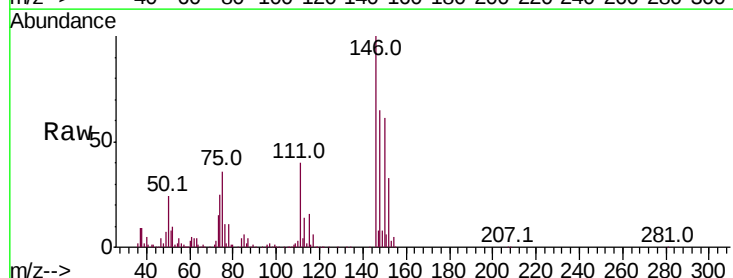
RT: 13.58 min Scan# 1915

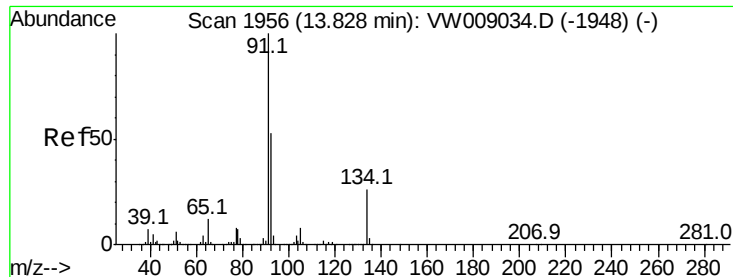
Delta R.T. 0.00 min

Lab File: VW009137.D

Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	131045		
111	39.8	19.7	59.0	
148	64.4	32.2	96.6	





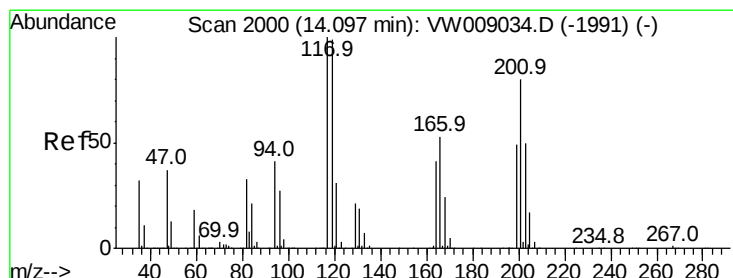
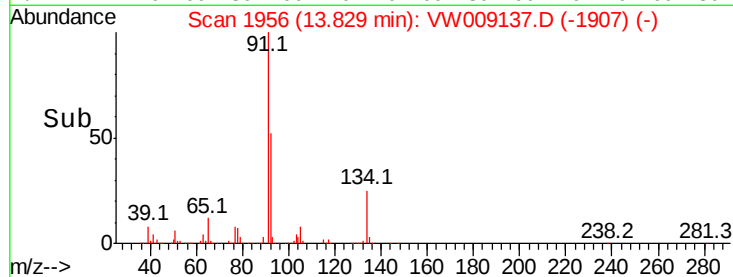
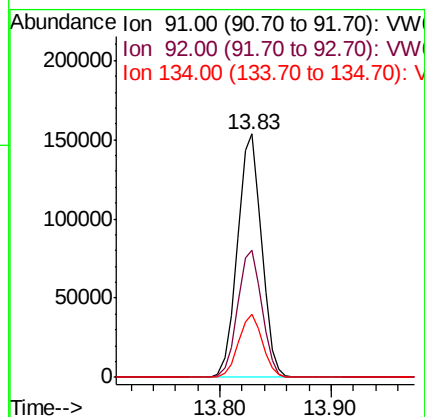
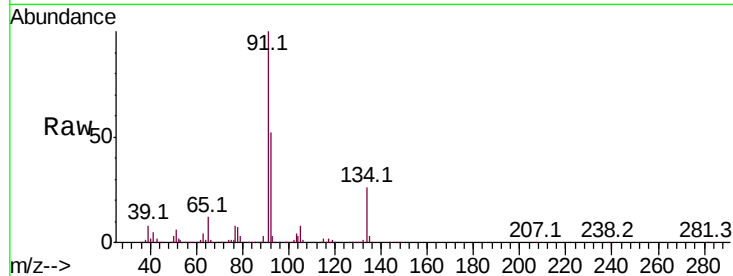
#89
n-Butylbenzene
Concen: 18.009 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	25.7	12.9	38.7

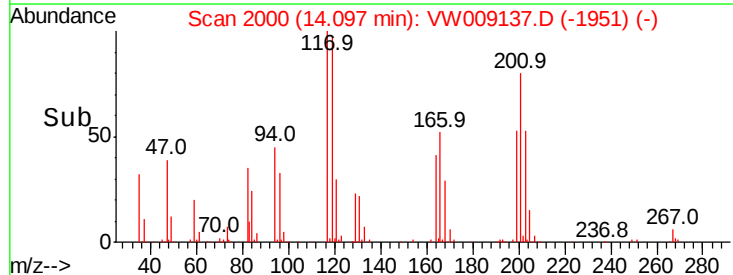
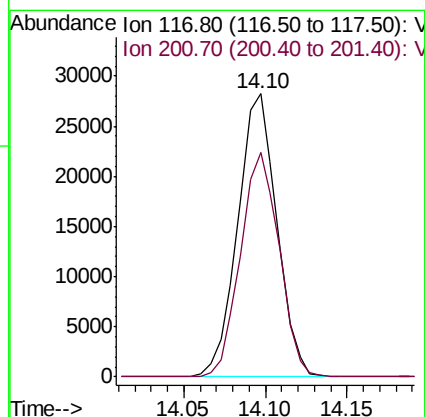
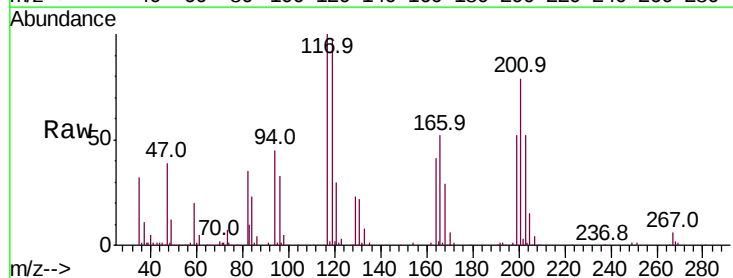
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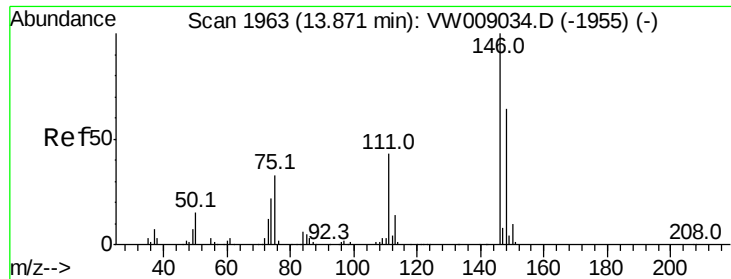
MMDadoda
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#90
Hexachloroethane
Concen: 20.411 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.5





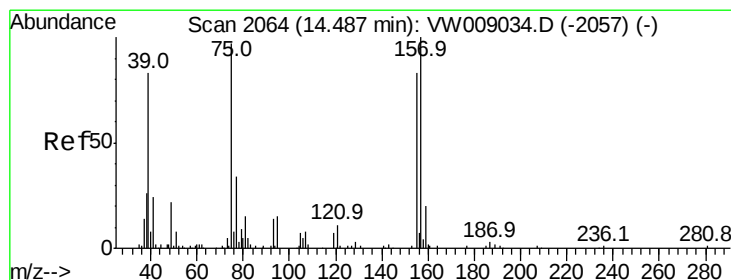
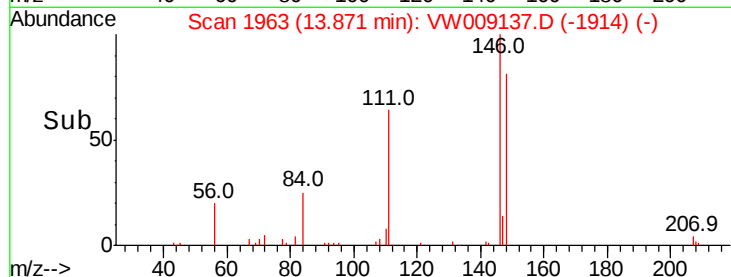
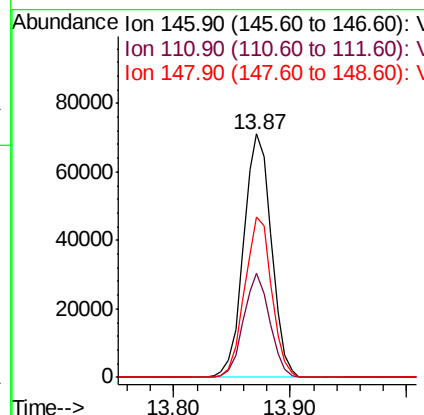
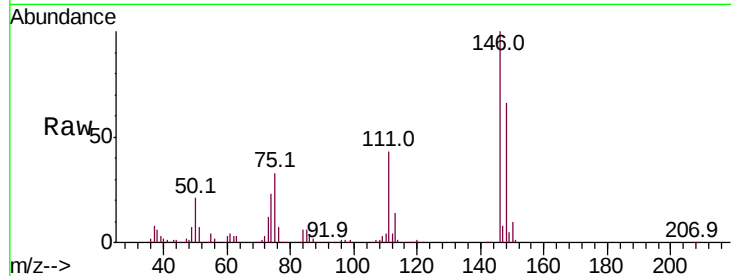
#91
 1,2-Dichlorobenzene
 Concen: 20.078 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.5	21.1	63.1	
148	64.2	32.3	96.9	

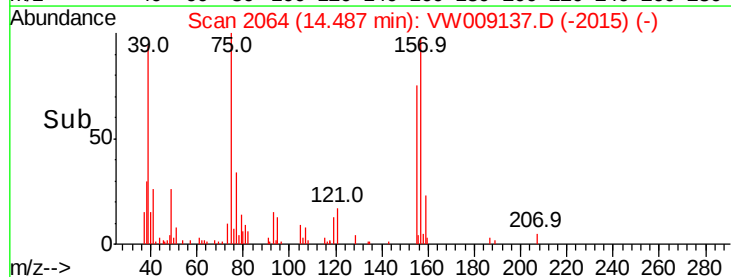
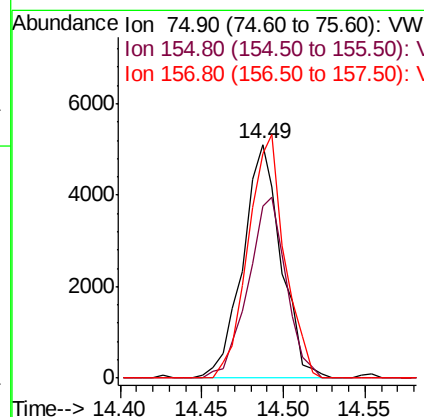
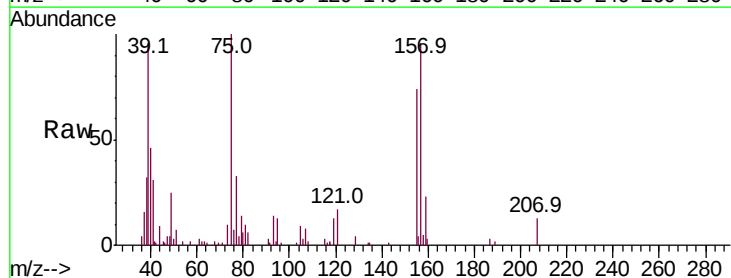
Manual Integrations
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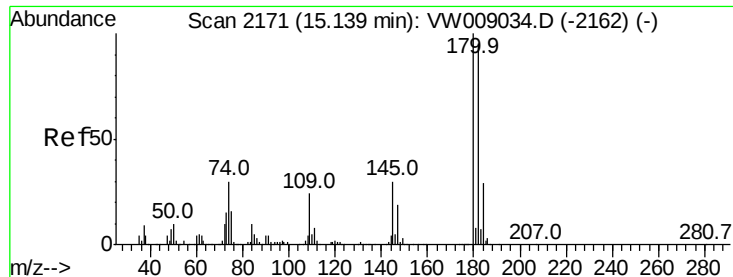
MMDadoda
 3/14/2019 3:13:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.466 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009137.D
 Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	76.7	40.8	122.4	
157	98.8	52.4	157.3	





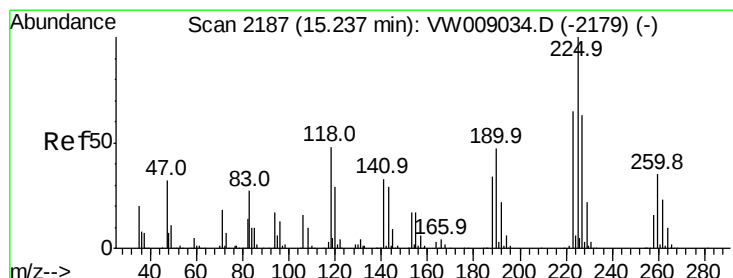
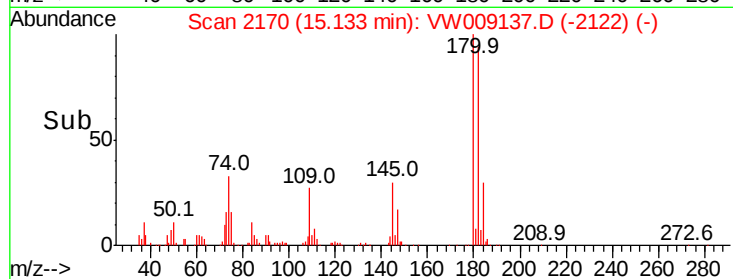
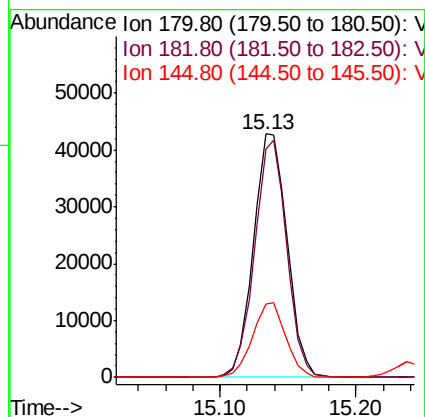
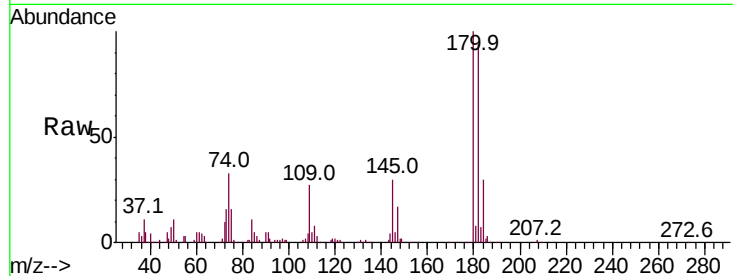
#93
1,2,4-Trichlorobenzene
Concen: 18.705 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.1	48.1	144.3	
145	30.3	15.4	46.1	

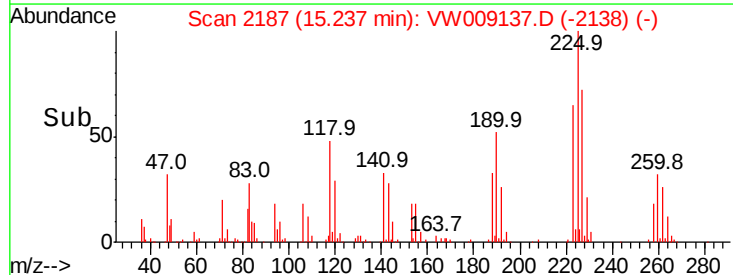
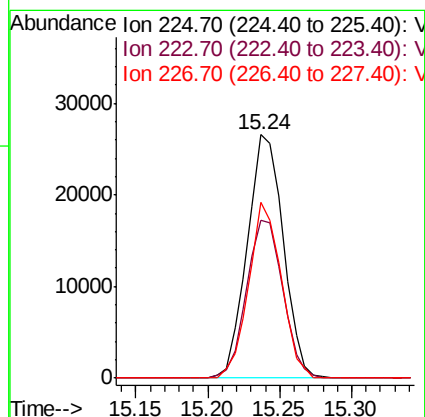
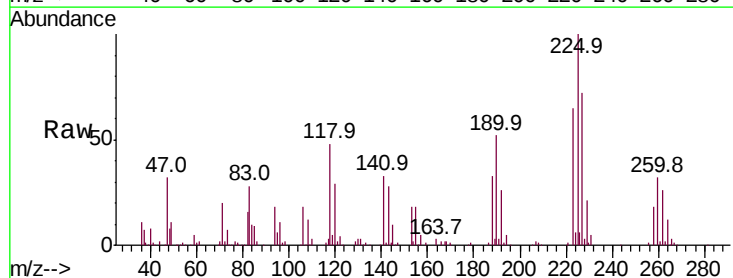
Manual Integrations
APPROVED

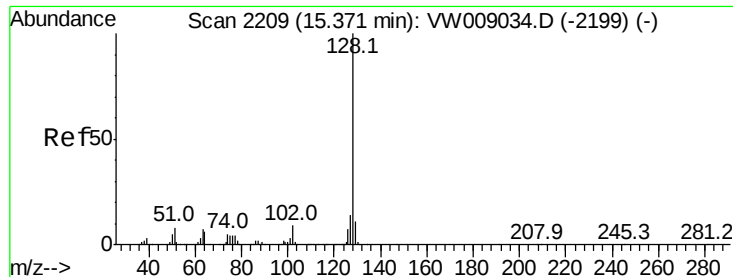
MMDadoda
3/14/2019 3:13:00 PM



#94
Hexachlorobutadiene
Concen: 18.435 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.3	31.6	94.8	
227	65.3	32.0	96.2	





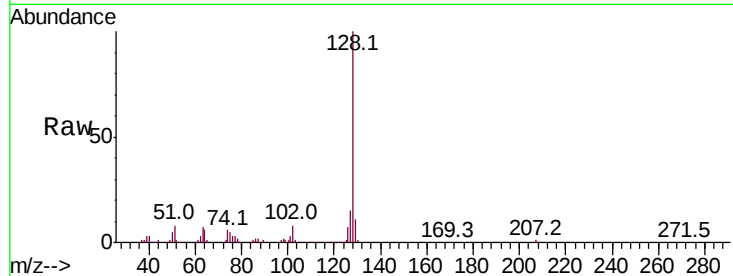
#95
Naphthalene
Concen: 19.372 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS03

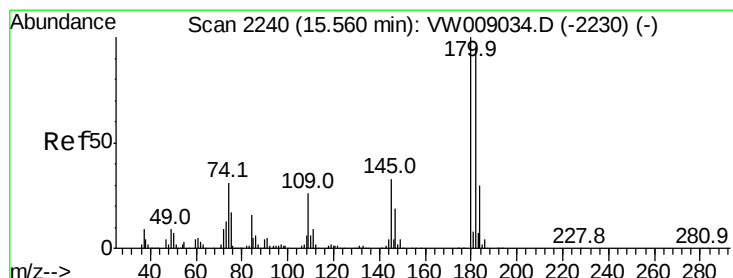
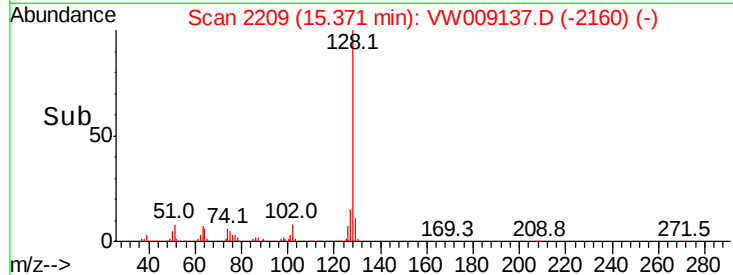
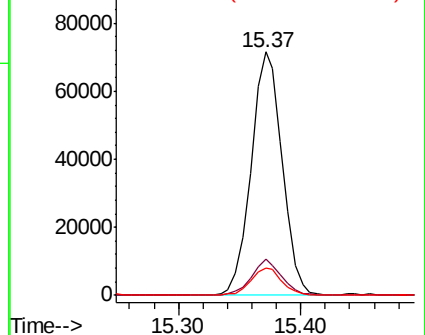
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	14.4	11.0	16.6	
129	11.4	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:13:00 PM

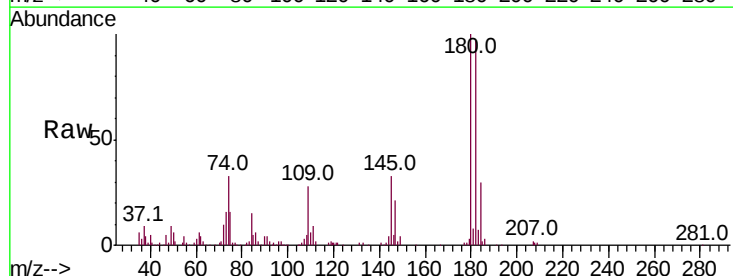


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.127 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009137.D
Acq: 13 Mar 2019 05:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	48.1	144.3	
145	32.5	15.8	47.3	



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

