

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009136.D
 Acq On : 13 Mar 2019 05:21
 Operator : SY/VA
 Sample : VW0312SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:12:42 PM

Quant Time: Mar 13 07:10:25 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	218581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143865	65.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.84%	
35) Dibromofluoromethane	7.88	113	118136	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
50) Toluene-d8	10.32	98	466351	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.62	95	174519	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47618	21.616	ug/l	98
3) Chloromethane	2.21	50	65888	23.545	ug/l	99
4) Vinyl Chloride	2.35	62	59705	21.023	ug/l	98
5) Bromomethane	2.77	94	73745	30.762	ug/l	98
6) Chloroethane	2.91	64	50808	25.130	ug/l	100
7) Trichlorofluoromethane	3.25	101	80030	21.887	ug/l	98
8) Diethyl Ether	3.68	74	28523	25.511	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48977	21.506	ug/l	100
10) Methyl Iodide	4.26	142	31593	15.161	ug/l	98
11) Tert butyl alcohol	5.21	59	19570	116.128	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	43502	22.144	ug/l	97
13) Acrolein	3.90	56	17655	95.205	ug/l	98
14) Allyl chloride	4.67	41	77324	22.314	ug/l	99
15) Acrylonitrile	5.37	53	63022	129.149	ug/l	98
16) Acetone	4.15	43	52616	106.026	ug/l	95
17) Carbon Disulfide	4.37	76	139422	21.094	ug/l	99
18) Methyl Acetate	4.68	43	28946	25.366	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	136676	26.301	ug/l	97
20) Methylene Chloride	4.92	84	60707	23.084	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	51455	22.684	ug/l	92
22) Diisopropyl ether	6.31	45	177315	25.749	ug/l	96
23) Vinyl Acetate	6.26	43	535447	124.950	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97518	24.415	ug/l	97
25) 2-Butanone	7.18	43	84350	122.989	ug/l	99
26) 2,2-Dichloropropane	7.16	77	71404	19.667	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	59395	24.381	ug/l	97
28) Bromochloromethane	7.51	49	41483	24.969	ug/l	100
29) Tetrahydrofuran	7.53	42	55902	129.344	ug/l	98
30) Chloroform	7.67	83	101934	24.788	ug/l	97
31) Cyclohexane	7.95	56	82597	20.140	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	87351	23.018	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75180	20.634	ug/l	100
37) Ethyl Acetate	7.26	43	38351	22.409	ug/l #	95
38) Carbon Tetrachloride	8.07	117	76942	20.448	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80309	18.505	ug/l	98
40) Benzene	8.32	78	214010	22.003	ug/l	100
41) Methacrylonitrile	7.48	41	23580	24.811	ug/l	88
42) 1,2-Dichloroethane	8.40	62	73939	23.547	ug/l	99
43) Isopropyl Acetate	8.43	43	74483	23.367	ug/l	99
44) Trichloroethene	9.09	130	59413	21.794	ug/l	97
45) 1,2-Dichloropropane	9.37	63	54790	22.492	ug/l	99
46) Dibromomethane	9.46	93	30990	23.293	ug/l	99
47) Bromodichloromethane	9.64	83	79842	23.708	ug/l	100
48) Methyl methacrylate	9.44	41	32052	21.595	ug/l #	85
49) 1,4-Dioxane	9.47	88	8583	450.523	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	195414	120.760	ug/l	99
52) Toluene	10.38	92	138942	21.064	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72411	21.740	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	82527	21.561	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	42330	23.475	ug/l	99
56) Ethyl methacrylate	10.65	69	49976	22.331	ug/l	96
57) 1,3-Dichloropropane	10.93	76	73579	23.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137003	118.089	ug/l	98
59) 2-Hexanone	10.97	43	127013	111.637	ug/l	100
60) Dibromochloromethane	11.13	129	51463	23.061	ug/l	98
61) 1,2-Dibromoethane	11.24	107	41692	23.585	ug/l	97
64) Tetrachloroethene	10.86	164	55922	22.508	ug/l	98
65) Chlorobenzene	11.66	112	157076	20.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	57202	22.846	ug/l	97
67) Ethyl Benzene	11.73	91	266517	19.673	ug/l	99
68) m/p-Xylenes	11.84	106	213022	39.838	ug/l	99
69) o-Xylene	12.16	106	99545	20.008	ug/l	98
70) Styrene	12.18	104	166167	20.642	ug/l	99
71) Bromoform	12.35	173	30274	22.518	ug/l #	100
73) Isopropylbenzene	12.46	105	267218	20.507	ug/l	100
74) N-amyl acetate	12.27	43	70657	22.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	50948	24.787	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35549m	24.727	ug/l	
77) Bromobenzene	12.75	156	65683	22.061	ug/l	98
78) n-propylbenzene	12.80	91	326001	20.311	ug/l	99
79) 2-Chlorotoluene	12.89	91	192150	21.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	229242	20.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13247	20.610	ug/l	96
82) 4-Chlorotoluene	12.99	91	201547	20.967	ug/l	100
83) tert-Butylbenzene	13.21	119	189595	20.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	232731	20.483	ug/l	99
85) sec-Butylbenzene	13.38	105	277385	19.763	ug/l	98
86) p-Isopropyltoluene	13.50	119	240318	19.140	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	130979	20.933	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	129585	20.956	ug/l	97
89) n-Butylbenzene	13.83	91	216939	18.175	ug/l	99
90) Hexachloroethane	14.10	117	47354	21.868	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	119458	21.639	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8947	24.439	ug/l	96

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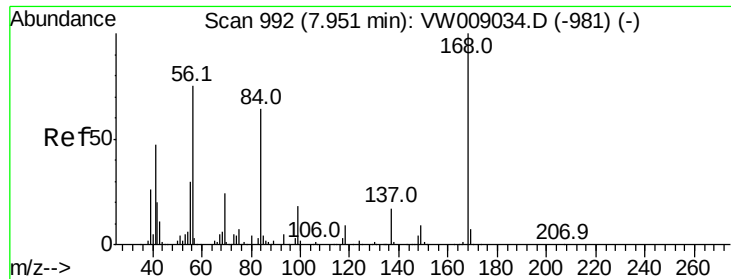
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	71528	19.185	ug/l	100
94) Hexachlorobutadiene	15.24	225	44134	18.899	ug/l	100
95) Naphthalene	15.37	128	126639	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	67816	20.686	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion:168 Resp: 218581

Ion Ratio Lower Upper

168 100

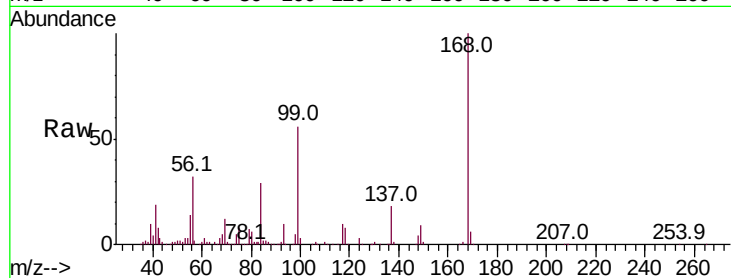
99 56.4 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

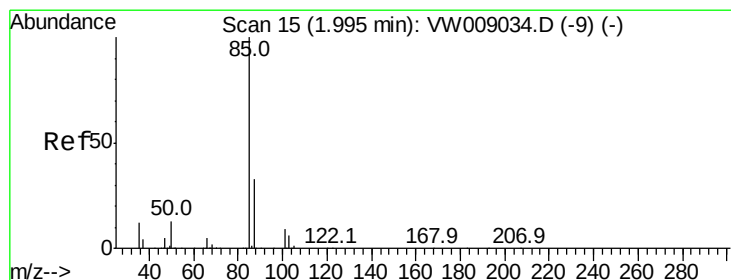
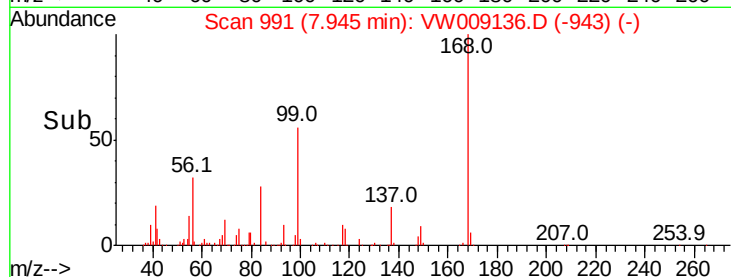
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.616 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009136.D

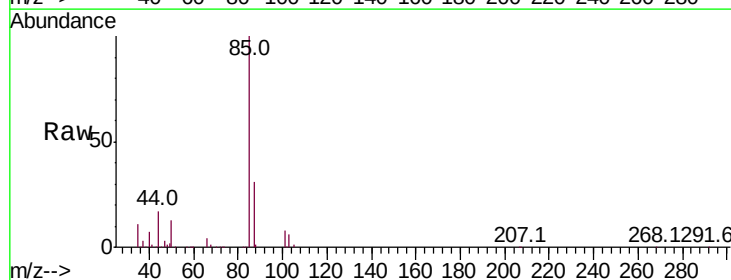
Acq: 13 Mar 2019 05:21

Tgt Ion: 85 Resp: 47618

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

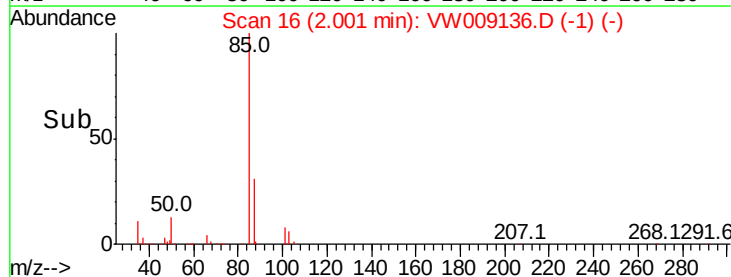
30000

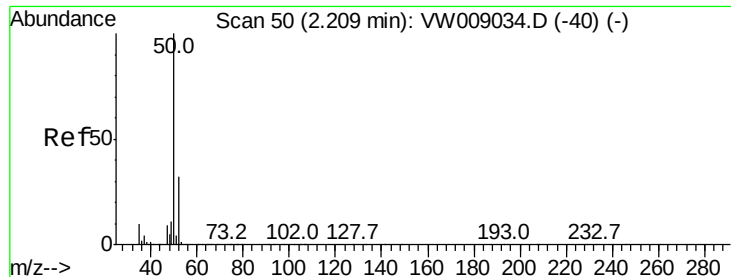
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 23.545 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 50 Resp: 65888

Ion Ratio Lower Upper

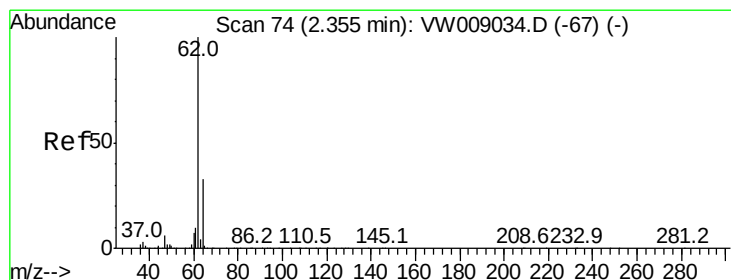
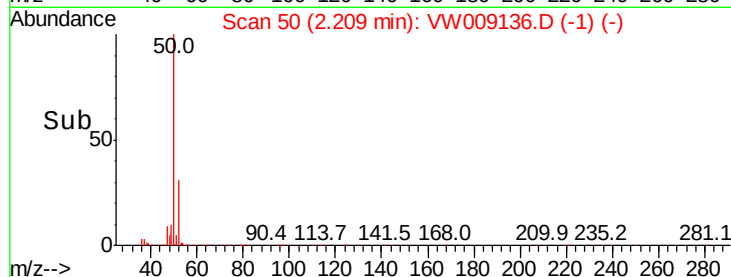
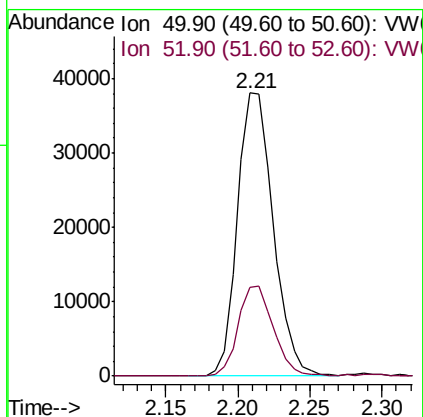
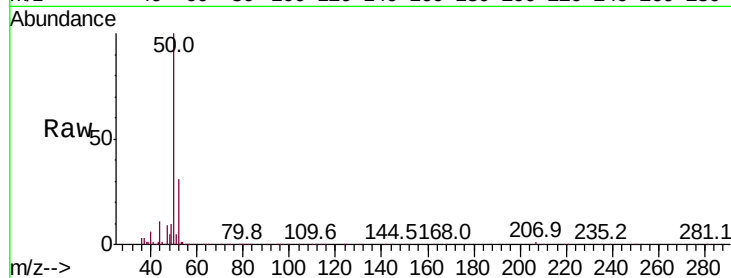
50 100

52 31.3 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.023 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009136.D

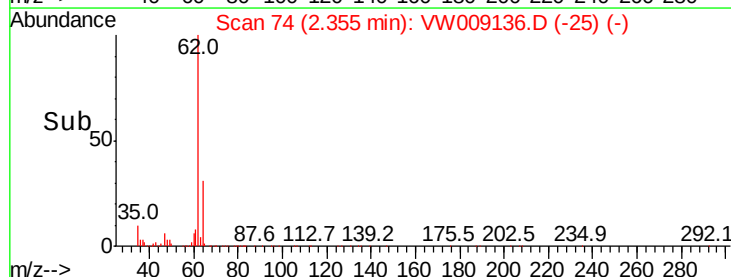
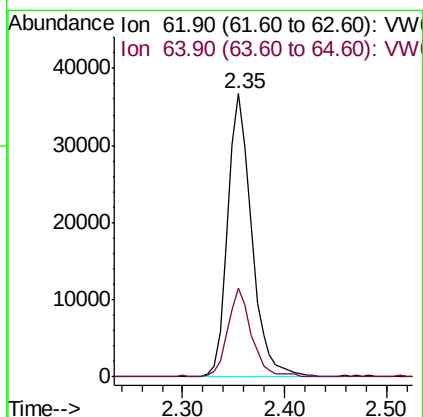
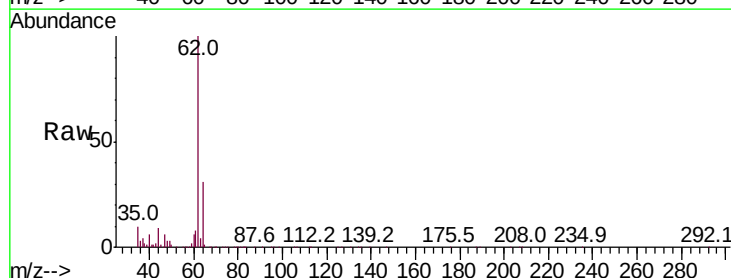
Acq: 13 Mar 2019 05:21

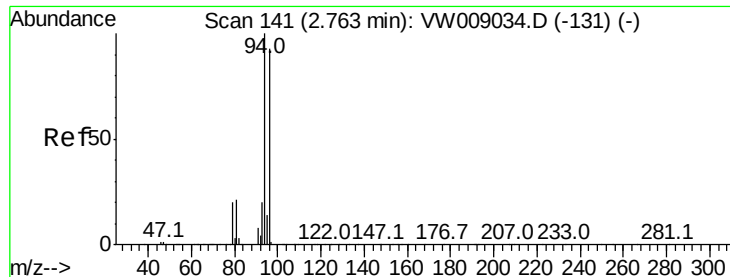
Tgt Ion: 62 Resp: 59705

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 30.762 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampled :

VW0312SBS02

Tot Ion: 94 Resp: 73745

Ion Ratio Lower Upper

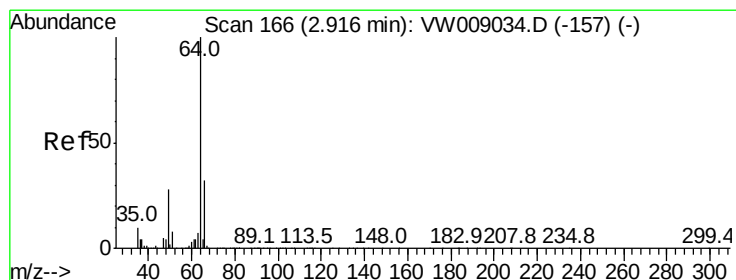
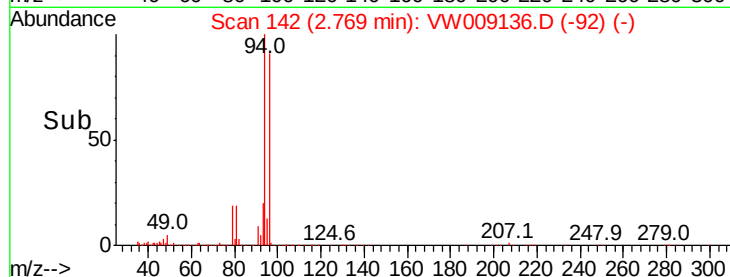
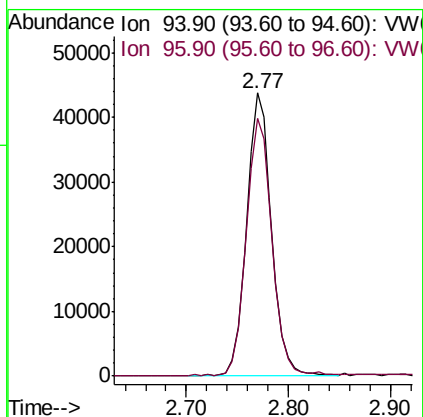
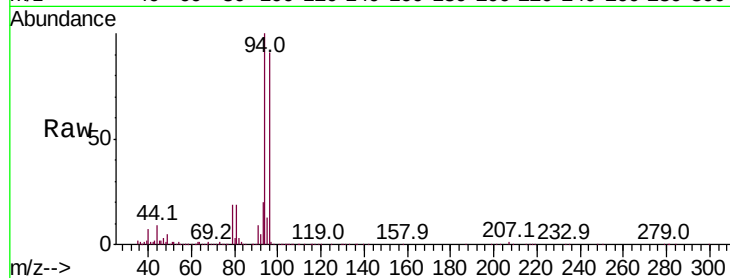
94 100

96 90.8 74.4 111.6

Manual Integrations
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3/14/2019 3:12:42 PM



#6

Chloroethane

Concen: 25.130 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009136.D

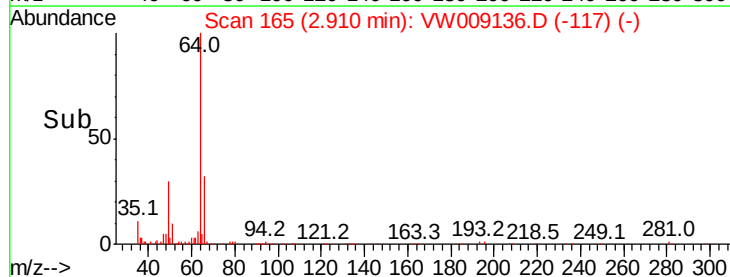
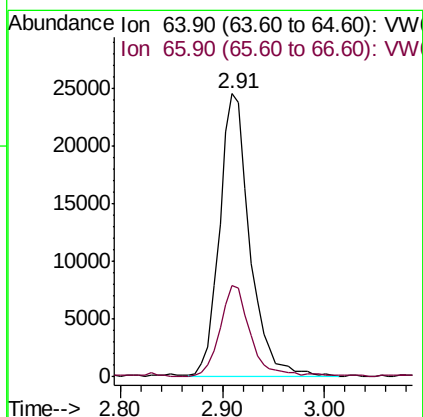
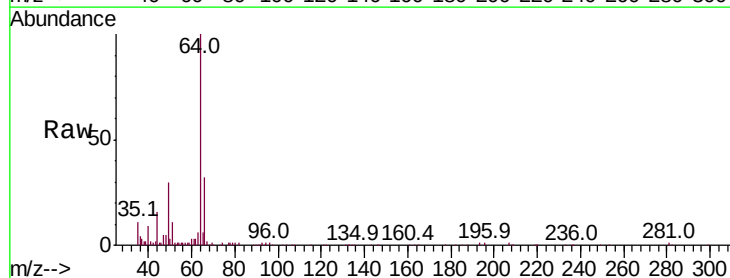
Acq: 13 Mar 2019 05:21

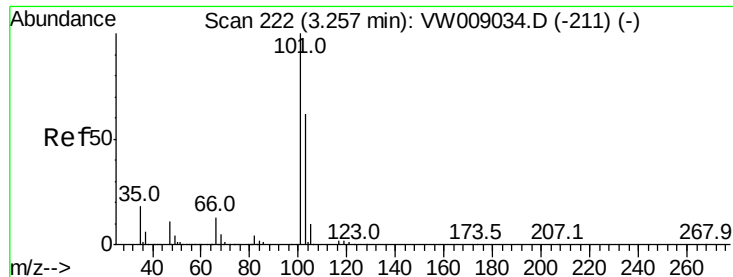
Tgt Ion: 64 Resp: 50808

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

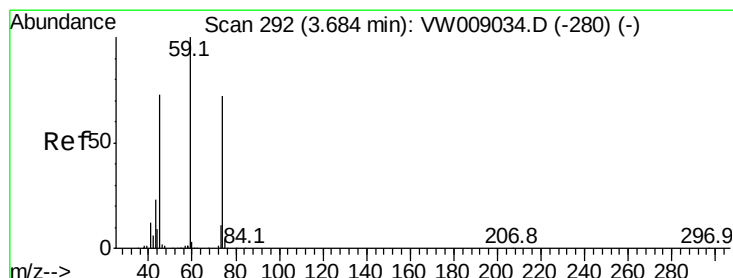
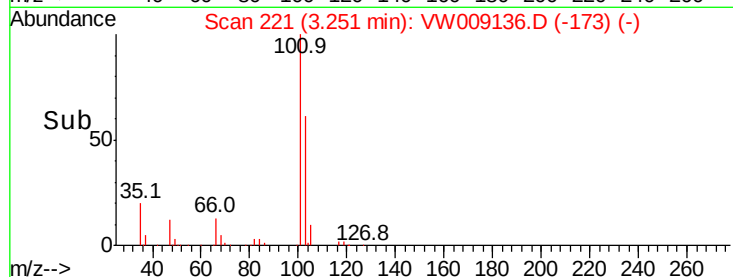
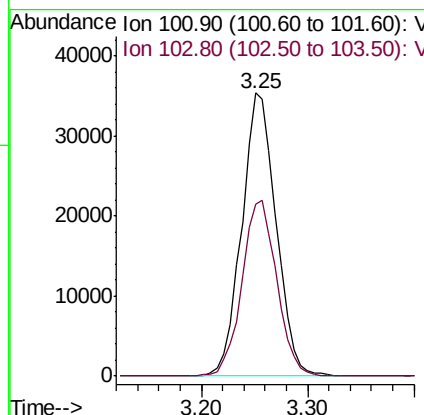
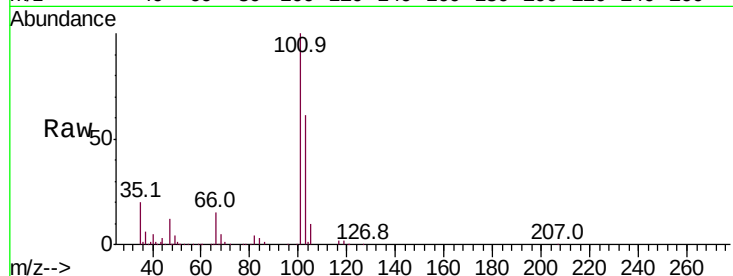
Trichlorofluoromethane
 Concen: 21.887 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

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 ClientSampleId :
 VW0312SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	49.9	74.9

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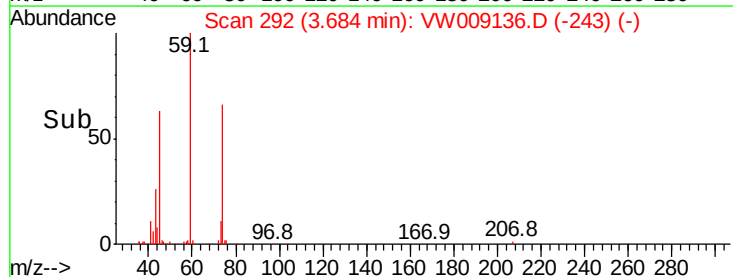
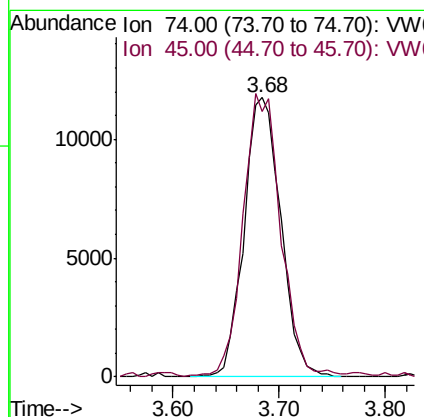
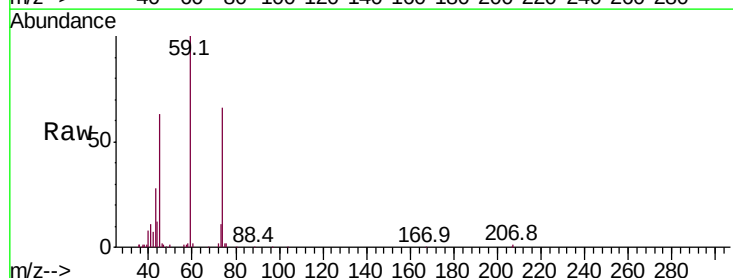
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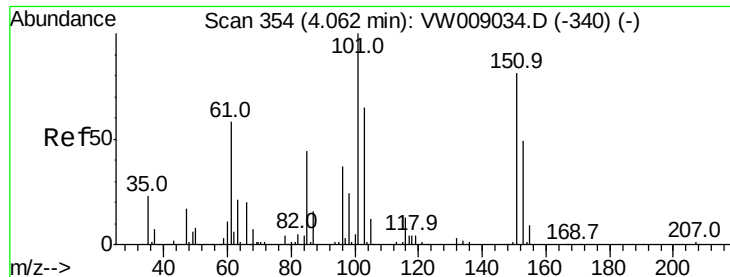


#8

Diethyl Ether
 Concen: 25.511 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.506 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

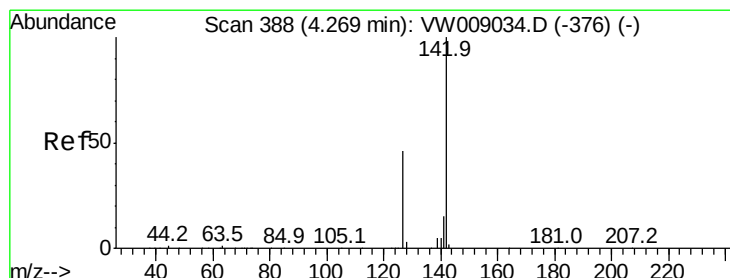
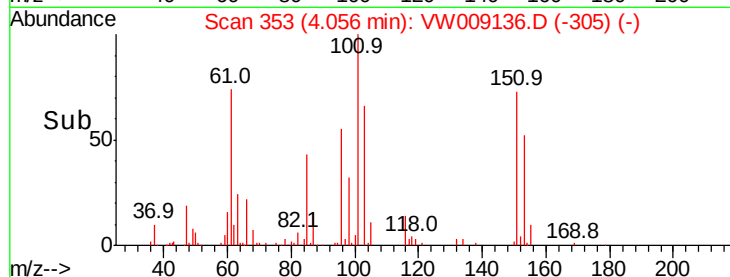
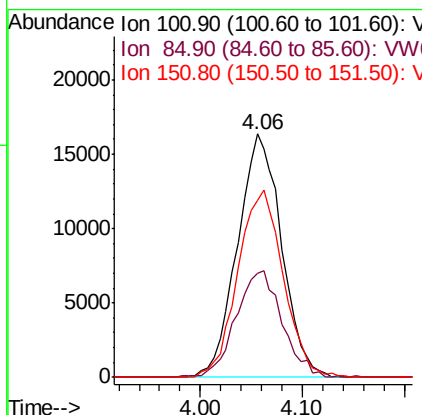
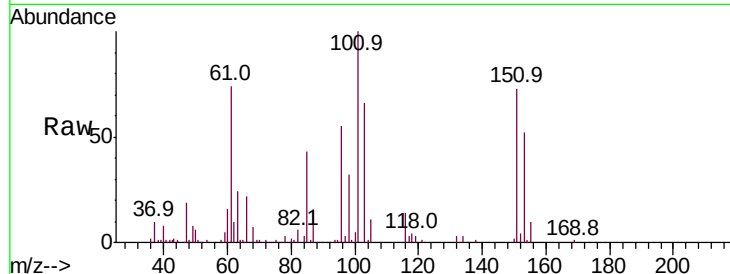
ClientSampleId :

VW0312SBS02

Tot Ion:	101	Resp:	48977
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.2	54.4
151	79.6	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 15.161 ug/l

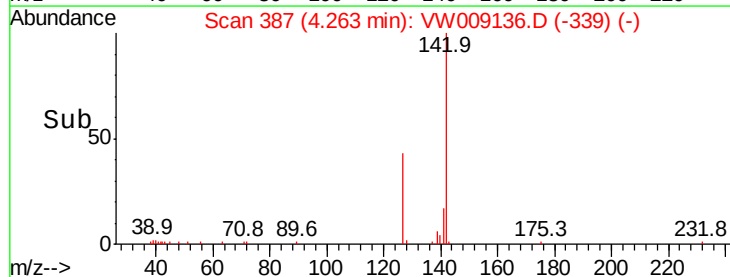
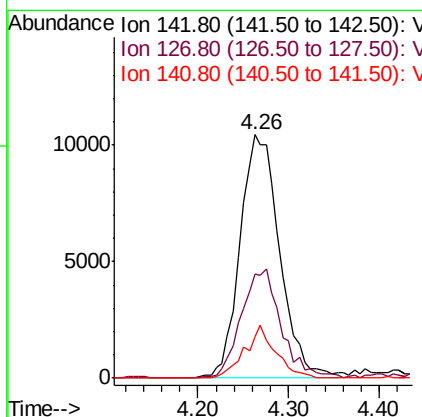
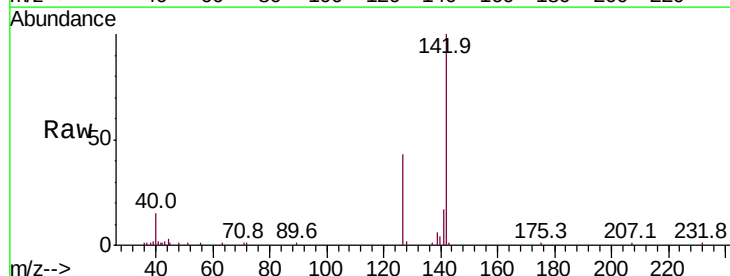
RT: 4.26 min Scan# 387

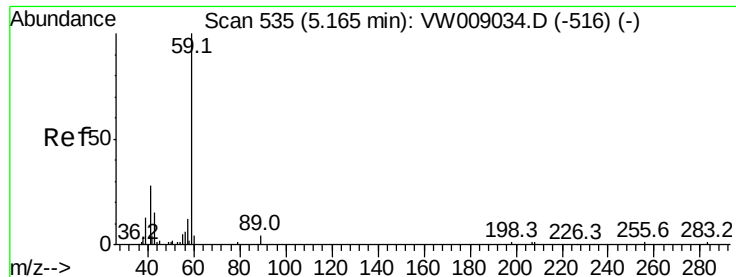
Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	142	Resp:	31593
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.8	53.6
141	16.8	11.8	17.8





#11

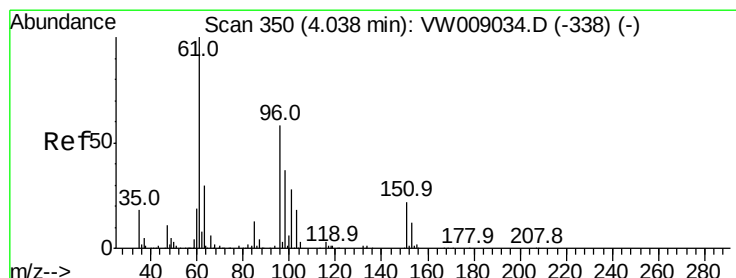
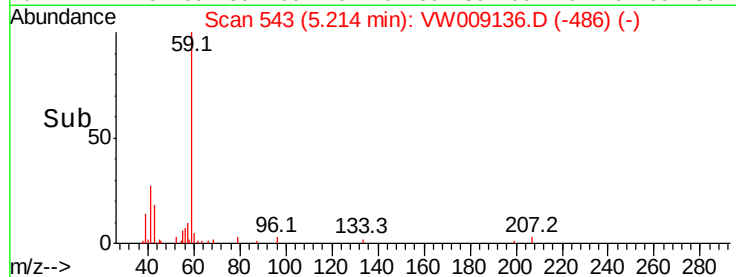
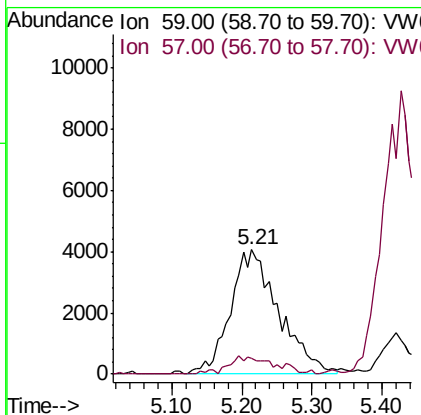
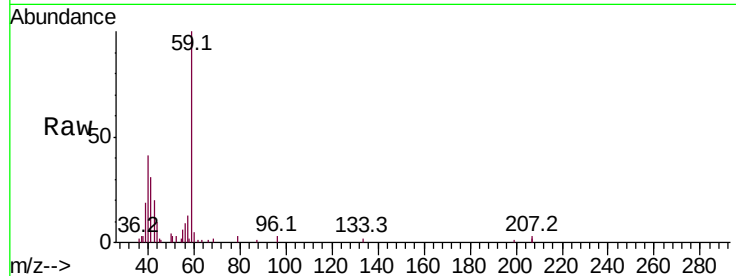
Tert butyl alcohol
Concen: 116.128 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.05 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.6	12.8#

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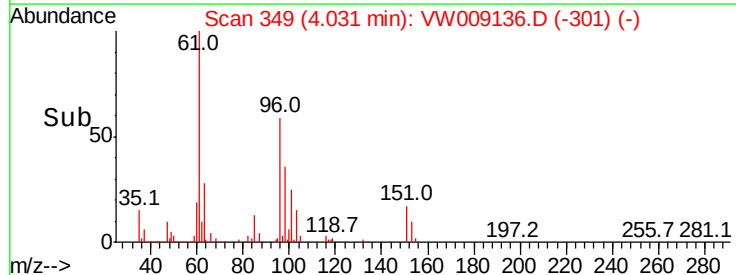
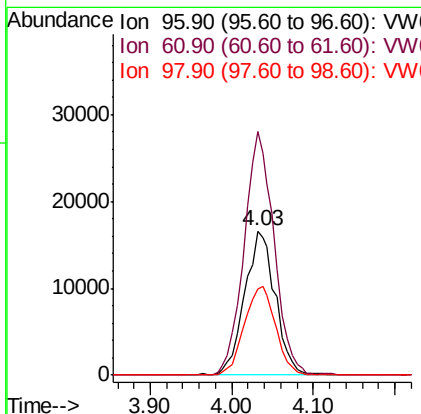
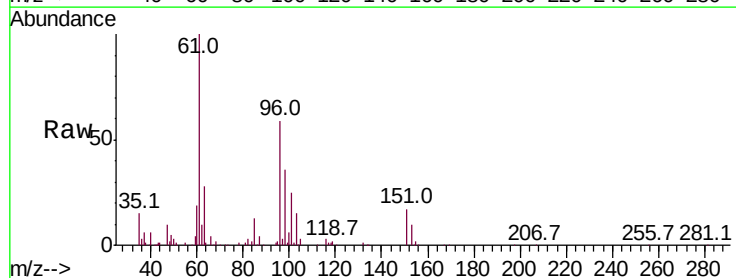
MMDadoda
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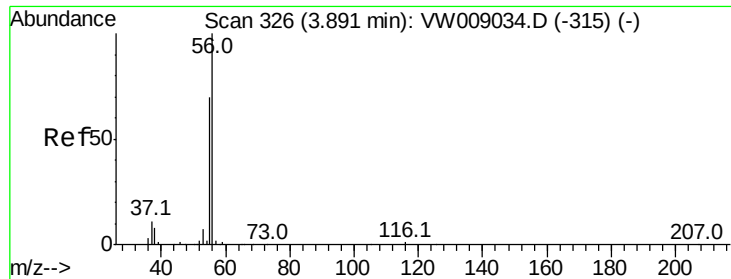


#12

1,1-Dichloroethene
Concen: 22.144 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.8	138.2	207.2
98	60.0	51.3	76.9





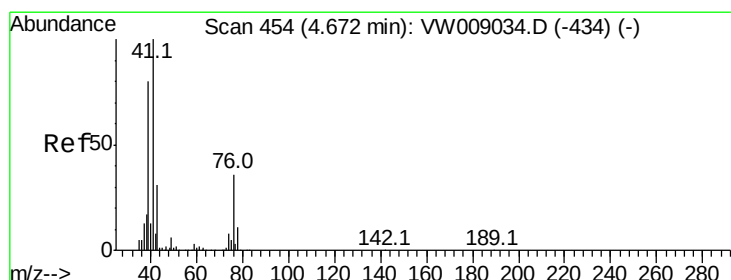
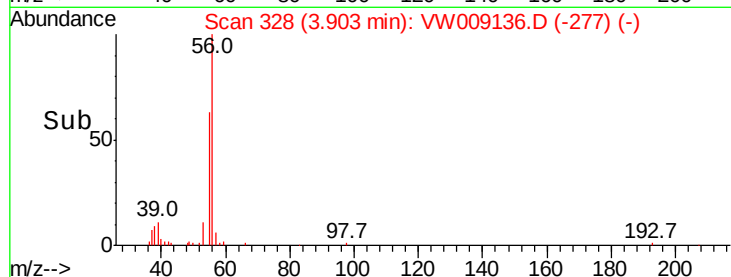
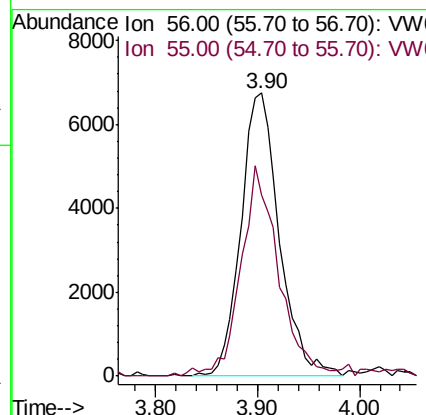
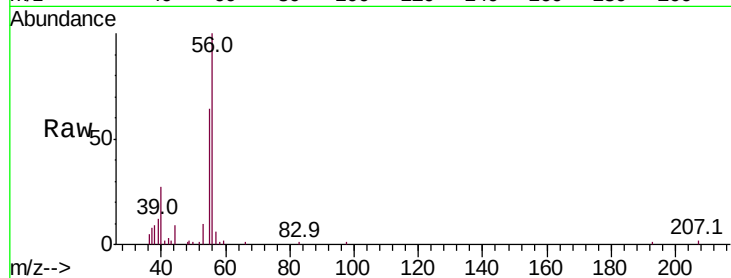
#13
Acrolein
Concen: 95.205 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.6	84.8

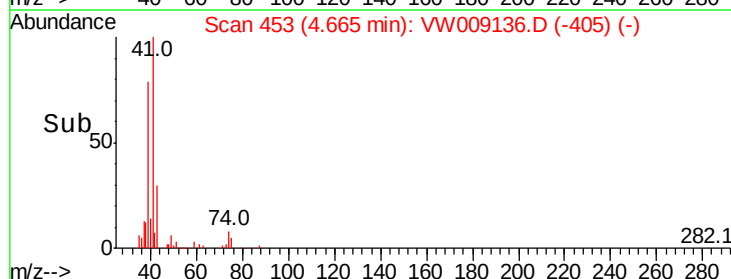
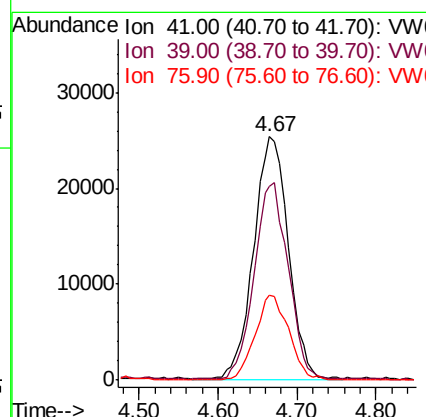
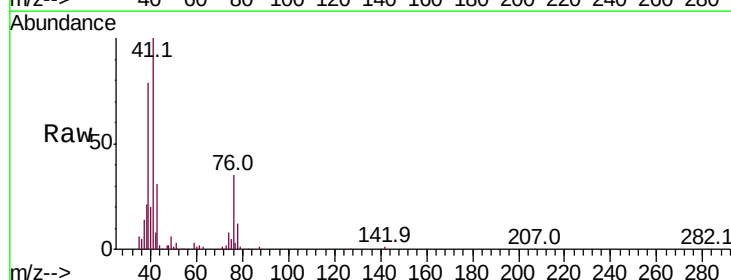
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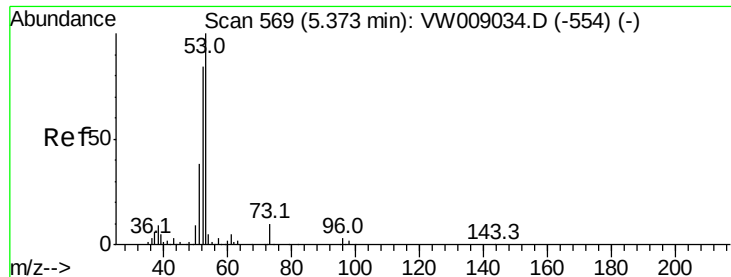
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#14
Allyl chloride
Concen: 22.314 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.0	94.4
76	34.1	28.2	42.2





#15

Acrylonitrile

Concen: 129.149 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

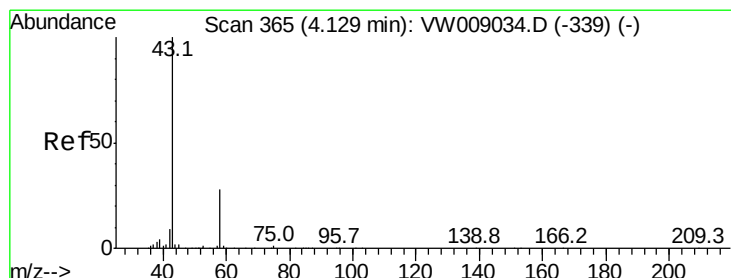
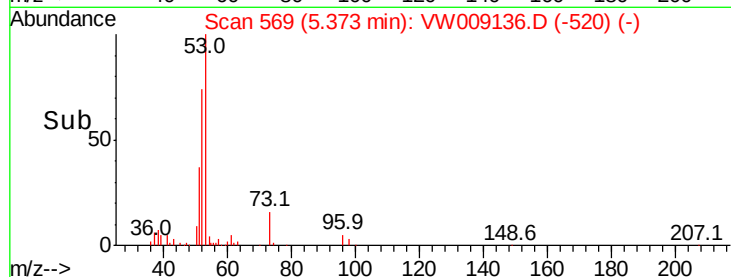
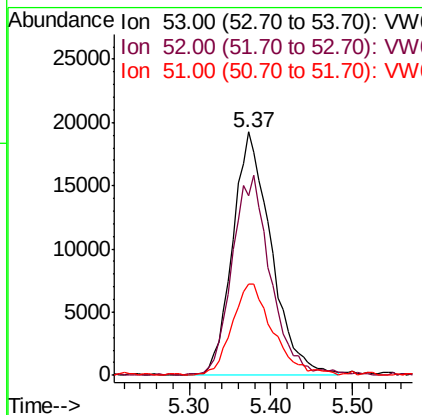
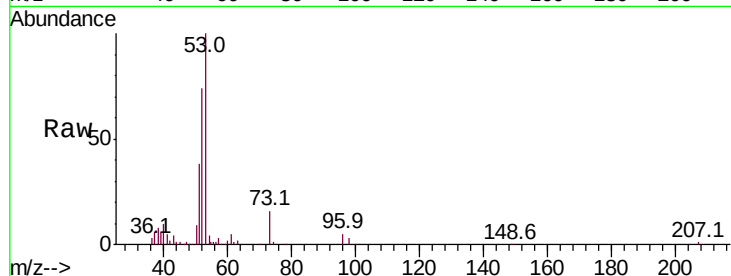
ClientSampleId :

VW0312SBS02

Tot Ion:	53	Resp:	63022
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.2	100.8
51	39.0	31.8	47.6

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#16

Acetone

Concen: 106.026 ug/l

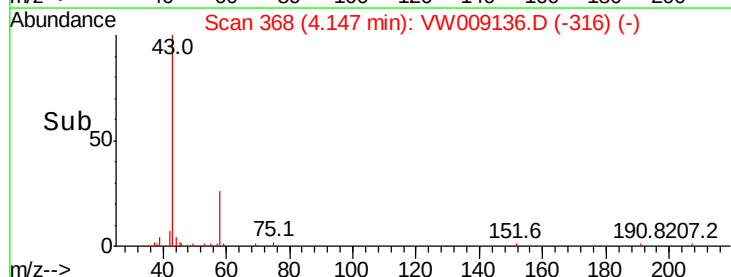
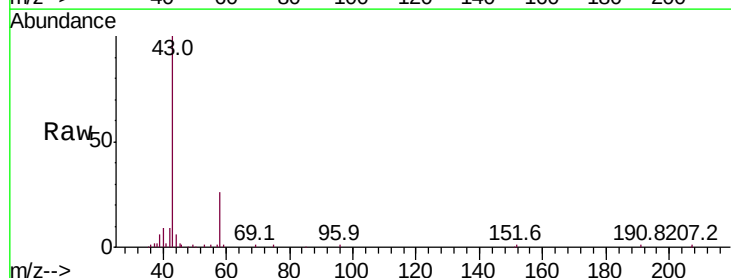
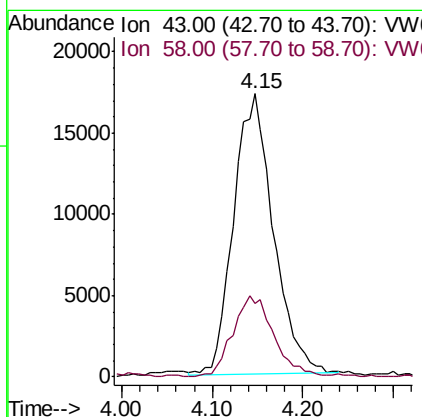
RT: 4.15 min Scan# 368

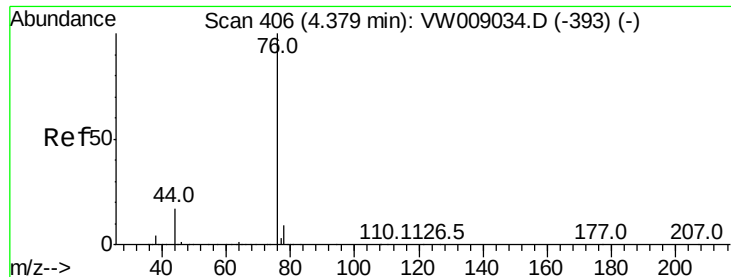
Delta R.T. 0.02 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	43	Resp:	52616
Ion	Ratio	Lower	Upper
43	100		
58	25.4	22.5	33.7





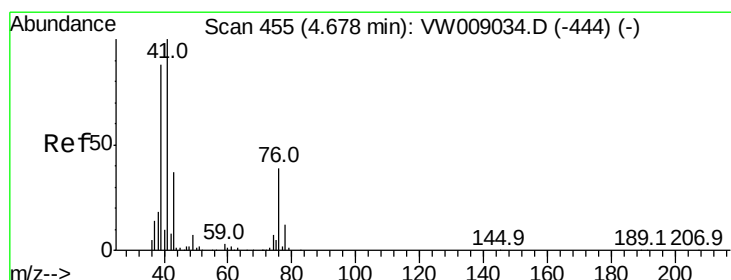
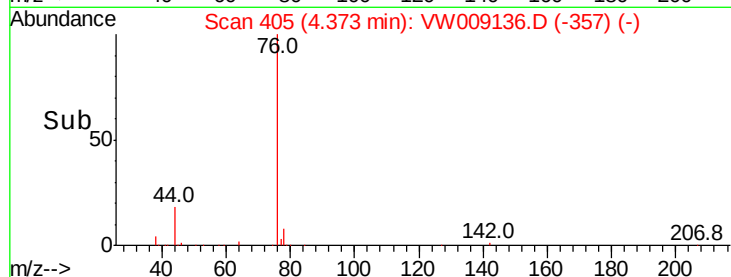
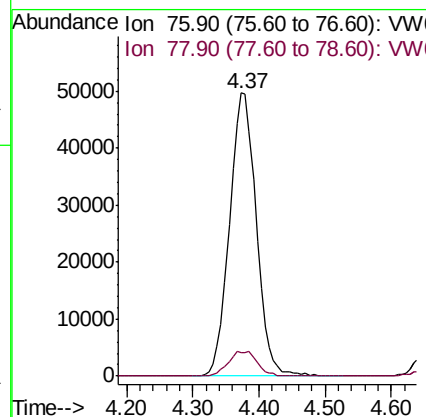
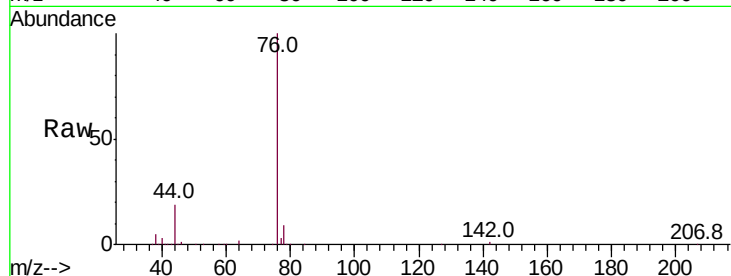
#17
Carbon Disulfide
Concen: 21.094 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion: 76 Resp: 139422
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6

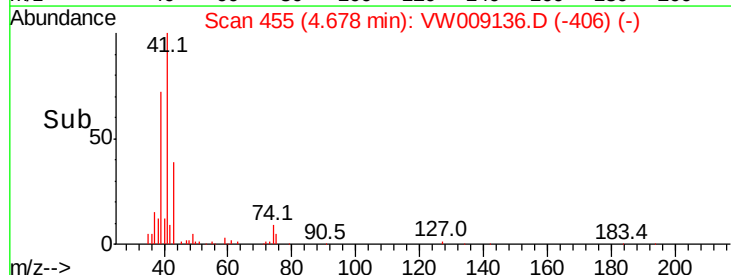
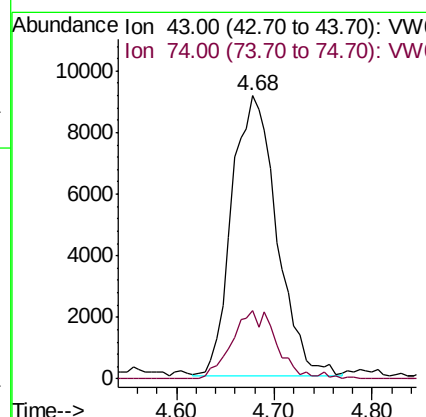
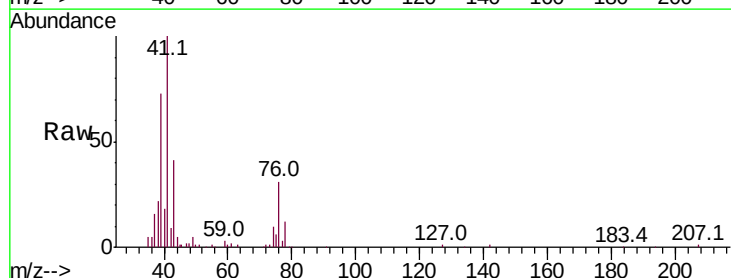
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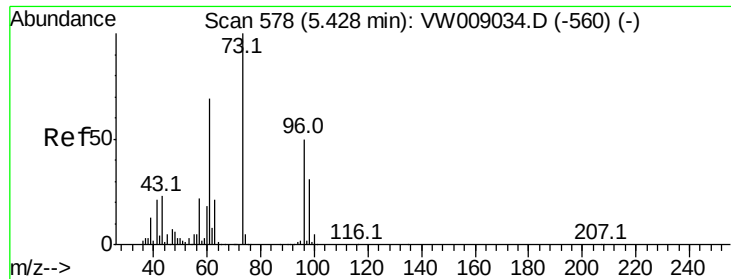
MMDadoda
3/14/2019 3:12:42 PM



#18
Methyl Acetate
Concen: 25.366 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 43 Resp: 28946
Ion Ratio Lower Upper
43 100
74 23.9 17.6 26.4





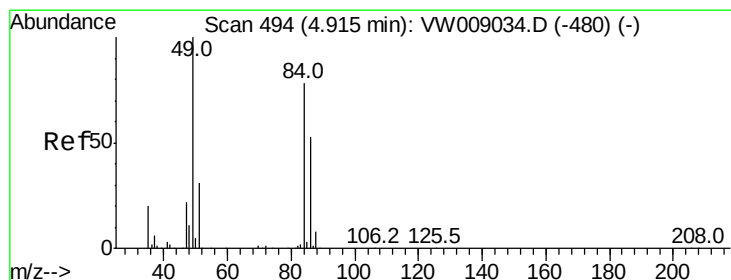
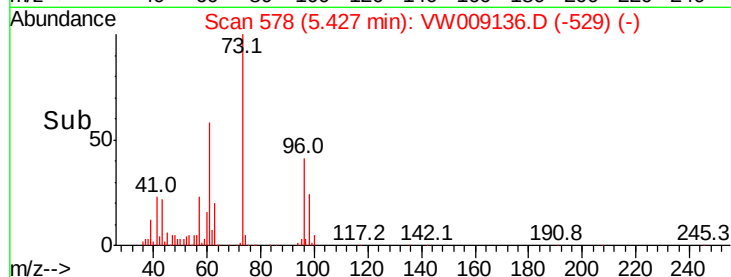
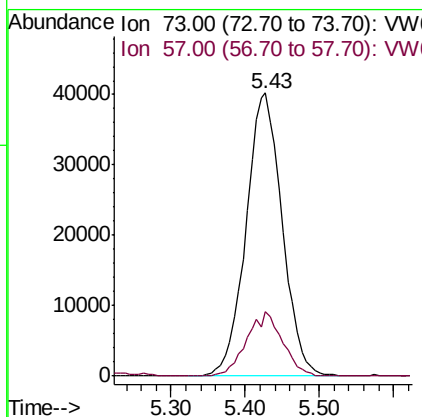
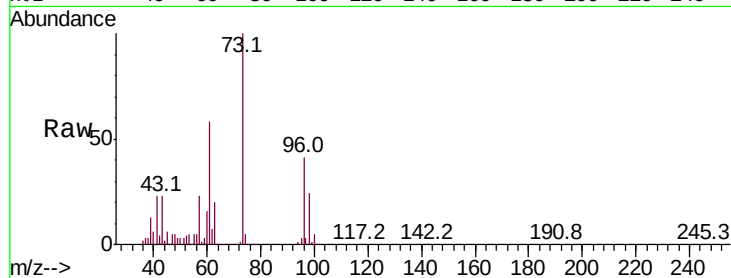
#19
Methyl tert-butyl Ether
Concen: 26.301 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion: 73 Resp: 136676
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

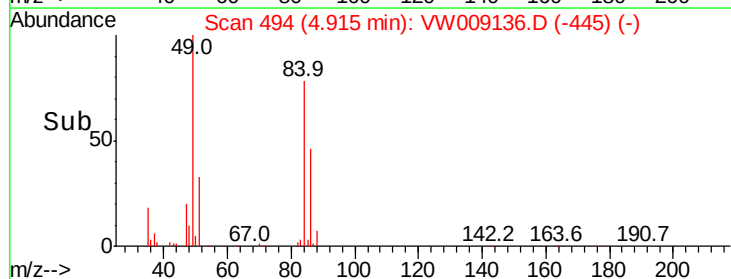
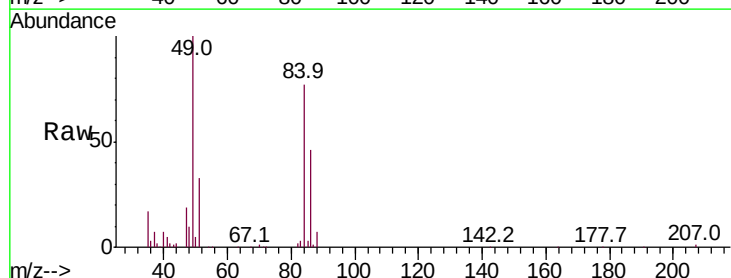
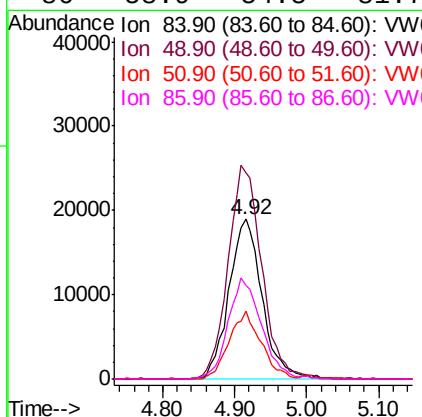
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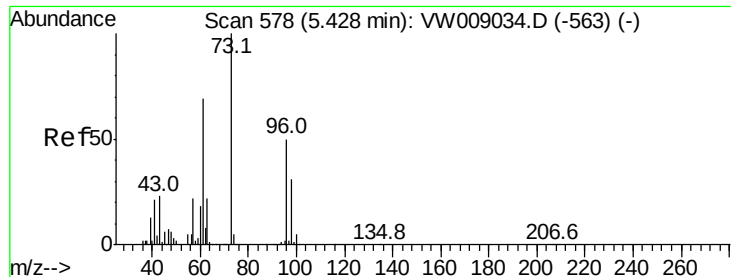
MMDadoda
3/14/2019 3:12:42 PM



#20
Methylene Chloride
Concen: 23.084 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion: 84 Resp: 60707
Ion Ratio Lower Upper
84 100
49 128.9 102.4 153.6
51 42.2 31.6 47.4
86 58.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 22.684 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

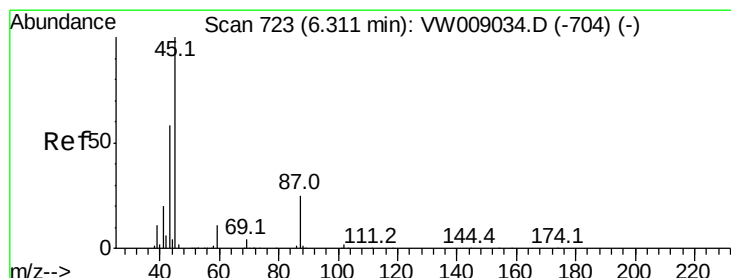
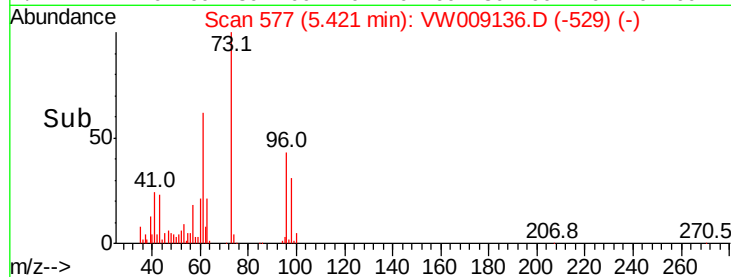
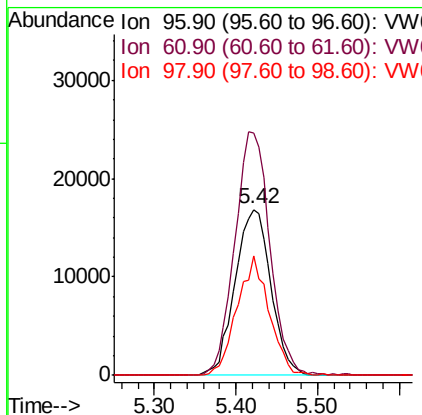
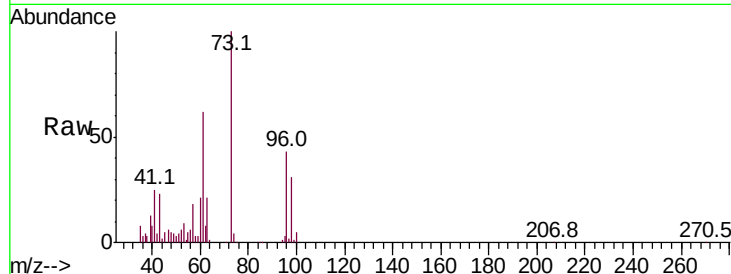
ClientSampleId :

VW0312SBS02

Tot Ion:	96	Resp:	51455
Ion	Ratio	Lower	Upper
96	100		
61	146.2	111.0	166.6
98	72.2	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 25.749 ug/l

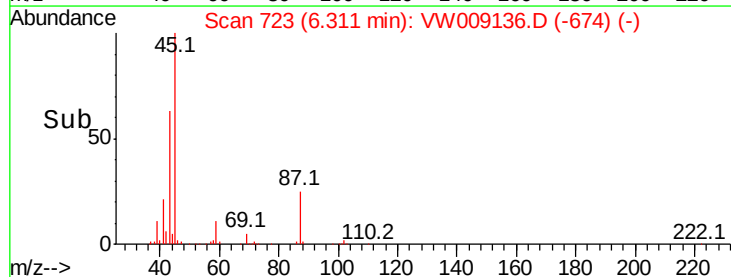
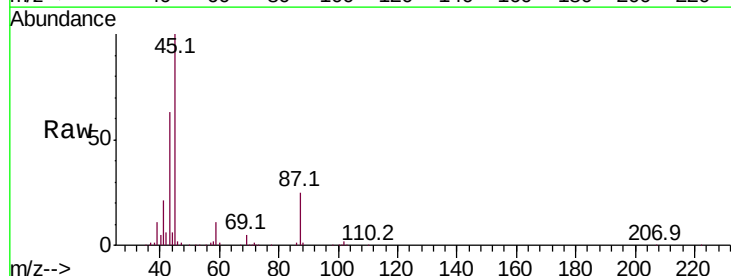
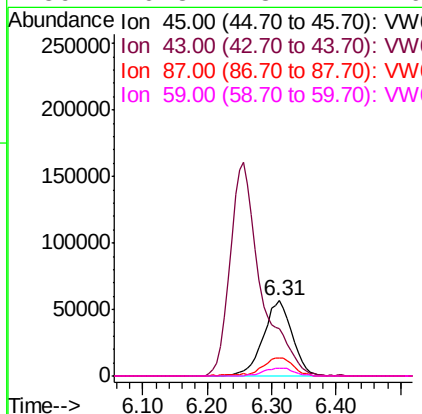
RT: 6.31 min Scan# 723

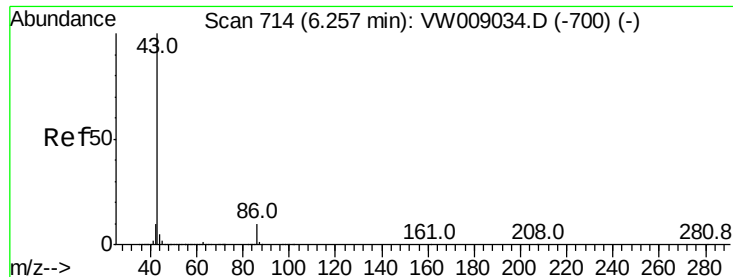
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	45	Resp:	177315
Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.2	69.4
87	24.8	20.1	30.1
59	10.8	8.4	12.6





#23

Vinyl Acetate

Concen: 124.950 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 43 Resp: 535447

Ion Ratio Lower Upper

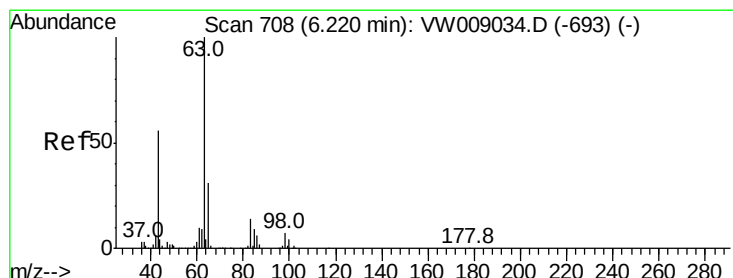
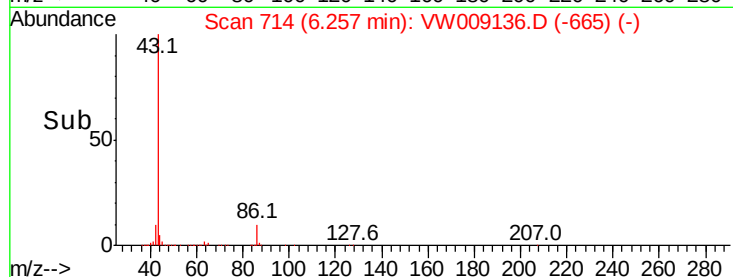
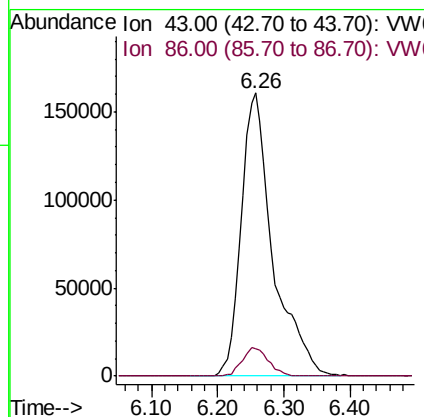
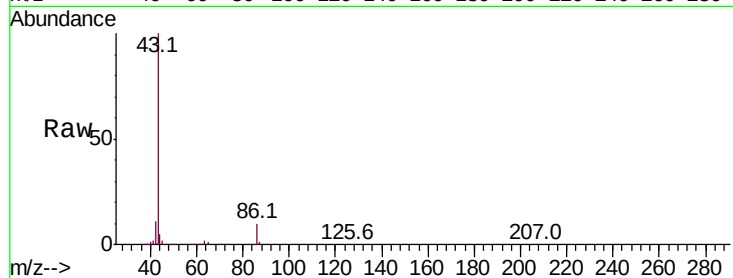
43 100

86 9.9 7.6 11.4

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3/14/2019 3:12:42 PM



#24

1,1-Dichloroethane

Concen: 24.415 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

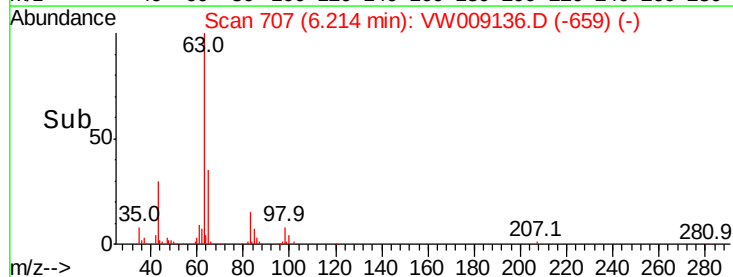
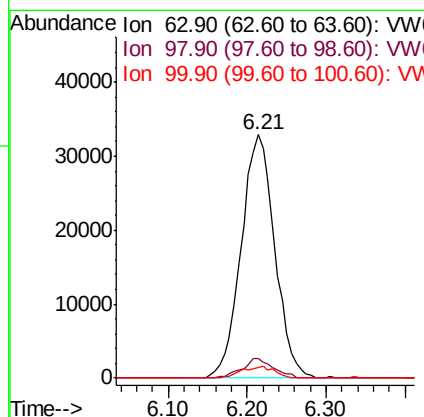
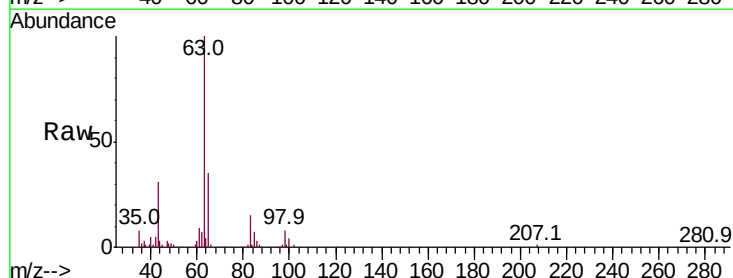
Tgt Ion: 63 Resp: 97518

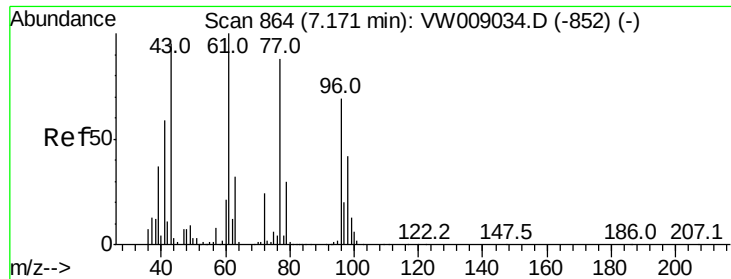
Ion Ratio Lower Upper

63 100

98 8.3 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 122.989 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 43 Resp: 84350

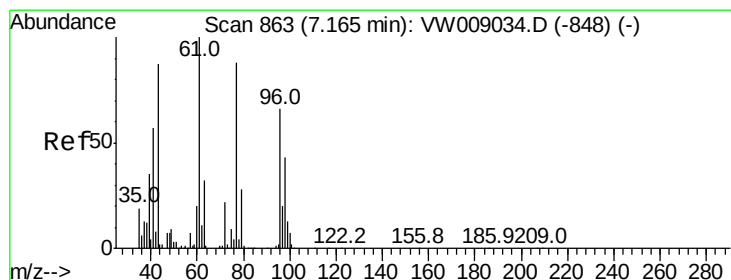
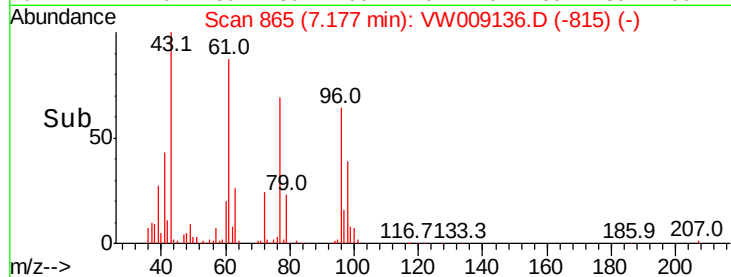
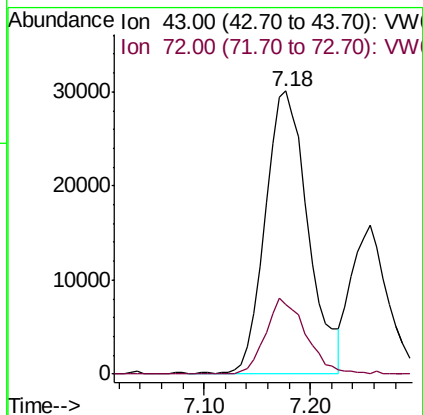
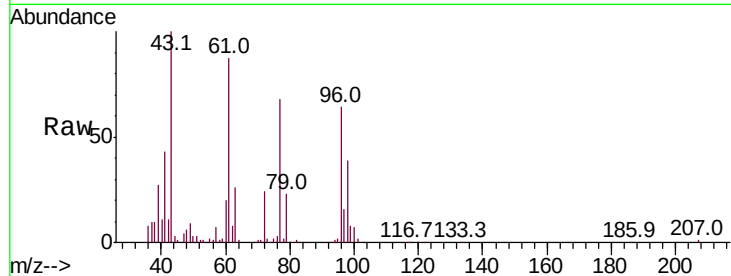
Ion Ratio Lower Upper

43 100

72 24.4 20.0 30.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.667 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009136.D

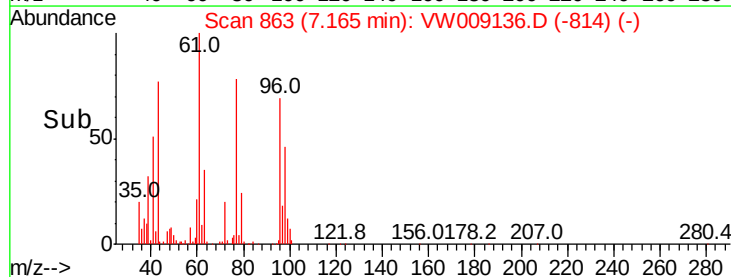
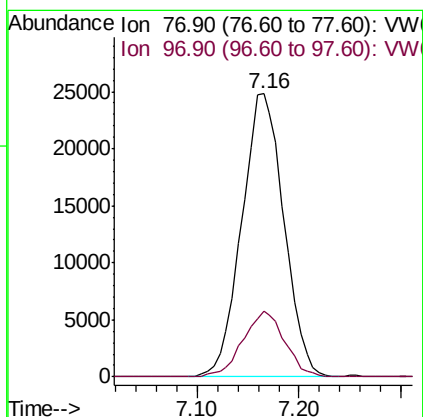
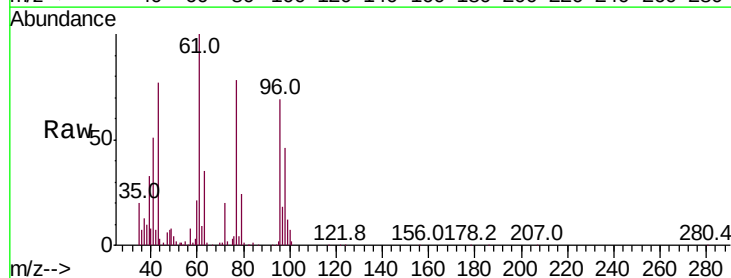
Acq: 13 Mar 2019 05:21

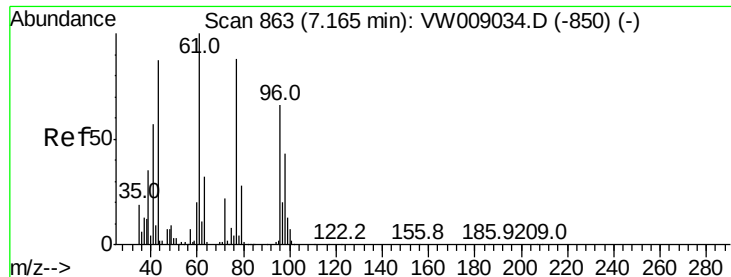
Tgt Ion: 77 Resp: 71404

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.9





#27

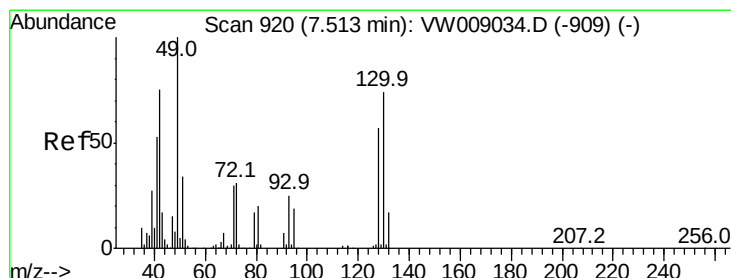
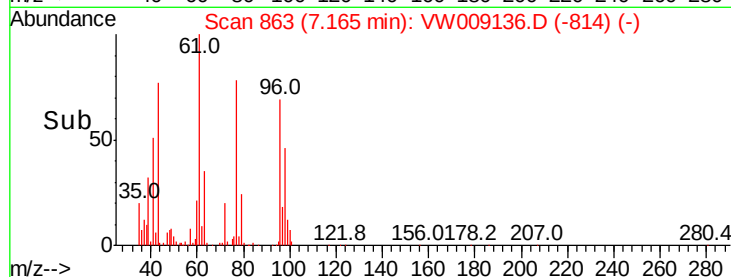
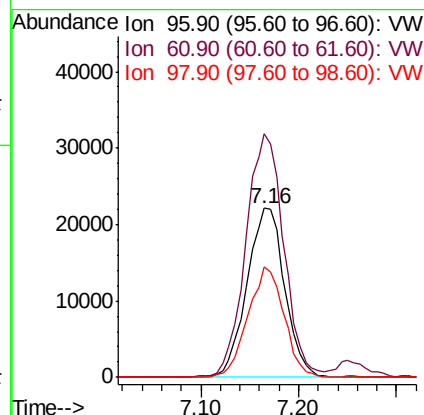
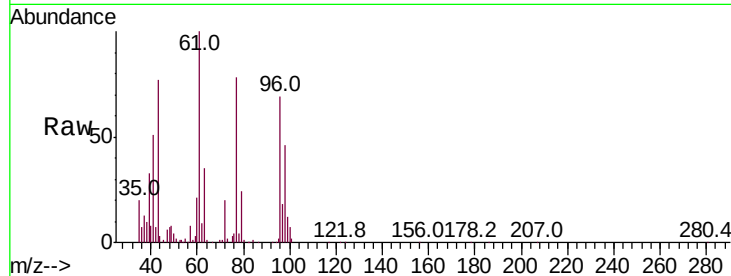
cis-1,2-Dichloroethene
Concen: 24.381 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59395		
61	144.8		0.0	299.8
98	62.4		0.0	127.2

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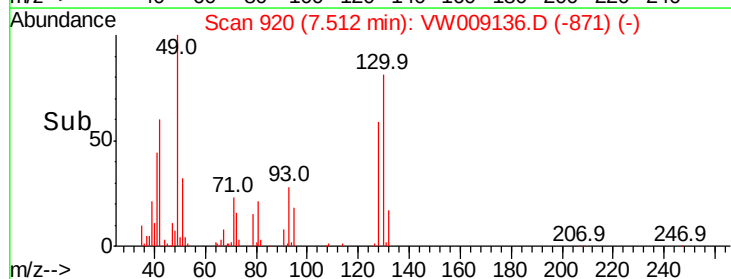
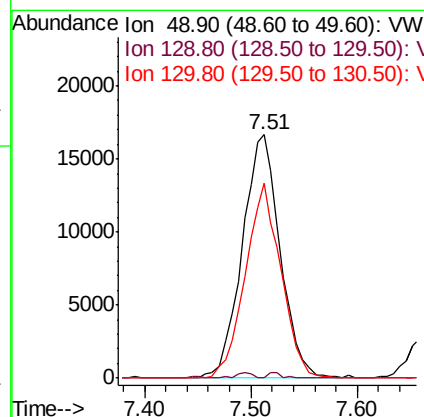
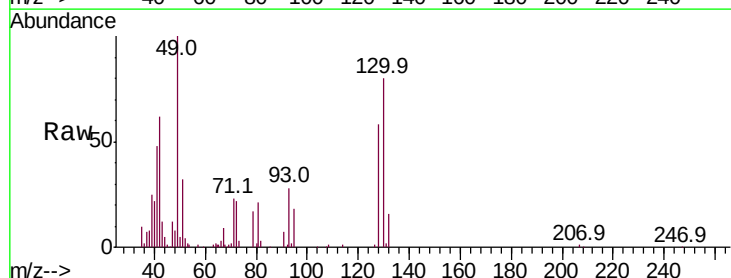
MMDadoda
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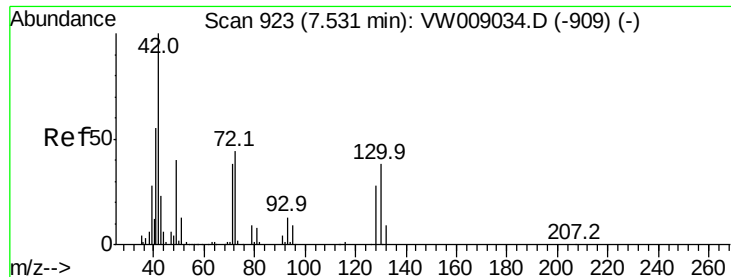


#28

Bromochloromethane
Concen: 24.969 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41483		
129	0.8		0.0	4.6
130	75.4		60.4	90.6





#29

Tetrahydrofuran

Concen: 129.344 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

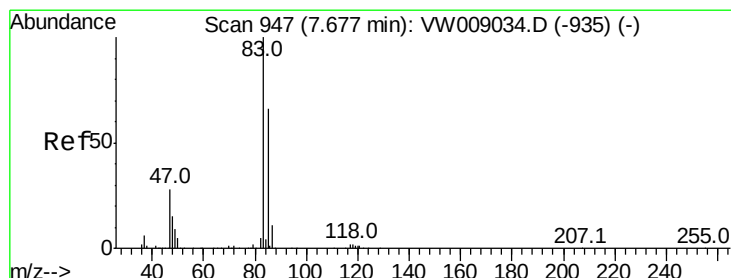
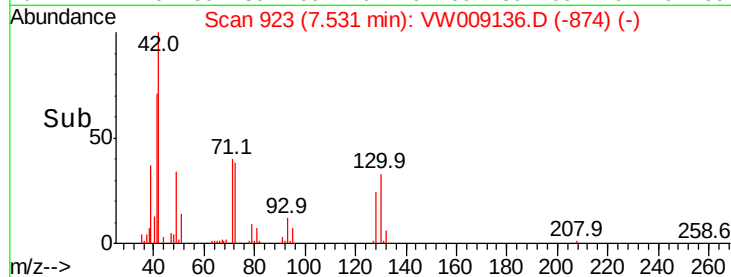
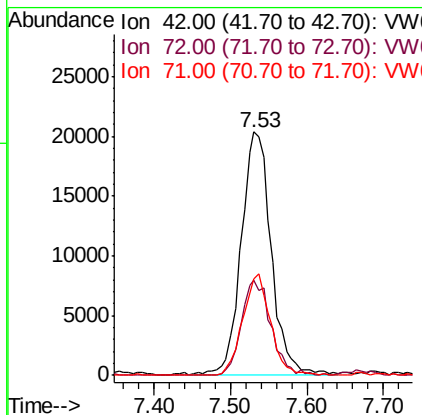
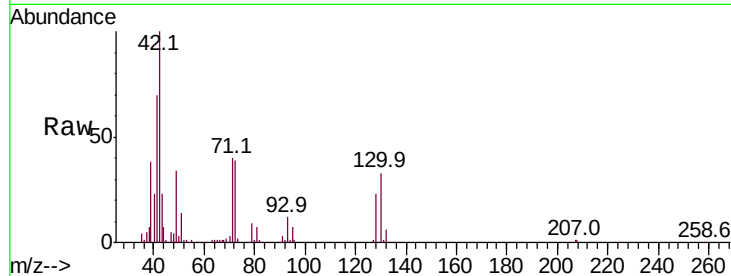
ClientSampleId :

VW0312SBS02

Tot Ion:	42	Resp:	55902
Ion Ratio	Lower	Upper	
42	100		
72	38.1	32.2	48.4
71	38.2	30.7	46.1

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3/14/2019 3:12:42 PM



#30

Chloroform

Concen: 24.788 ug/l

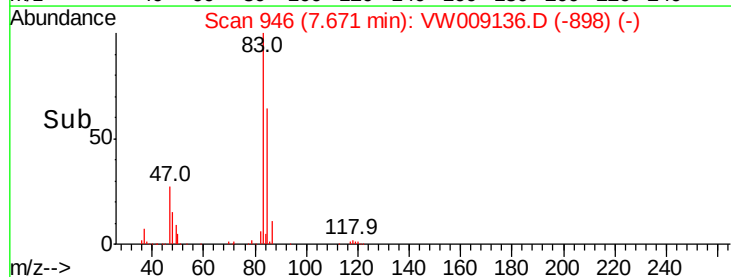
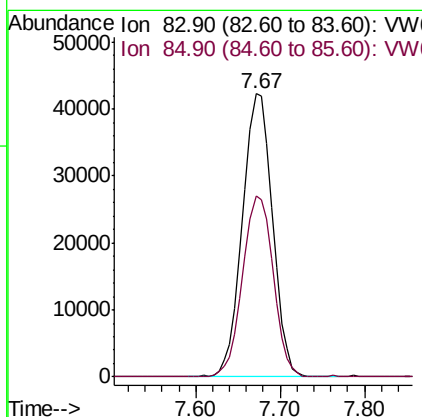
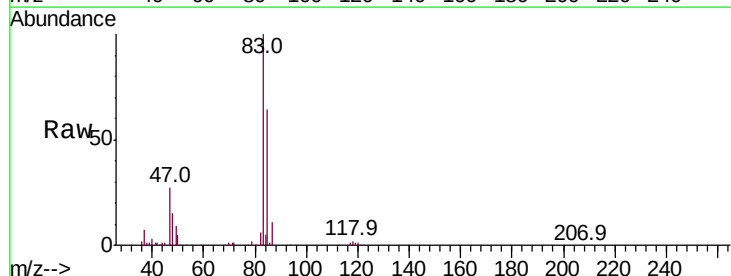
RT: 7.67 min Scan# 946

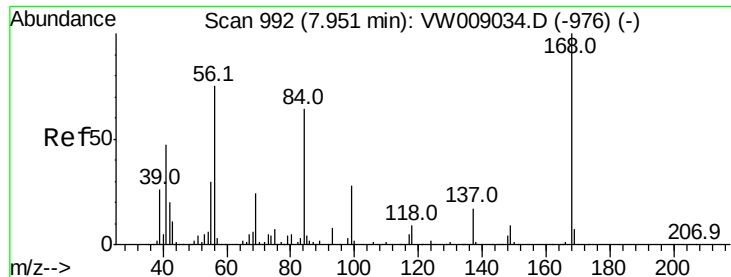
Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	83	Resp:	101934
Ion Ratio	Lower	Upper	
83	100		
85	64.2	53.0	79.6





#31

Cyclohexane

Concen: 20.140 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 56 Resp: 82597

Ion Ratio Lower Upper

56 100

69 39.0 25.5 38.3#

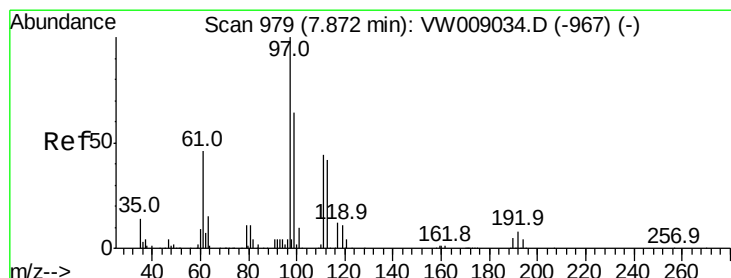
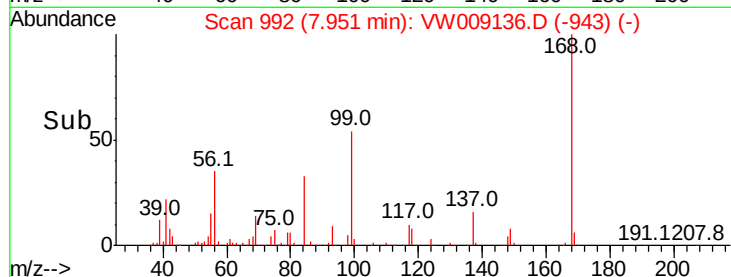
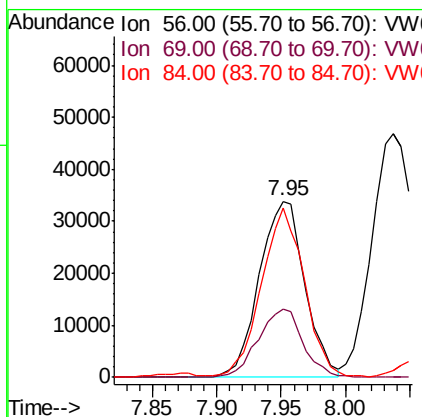
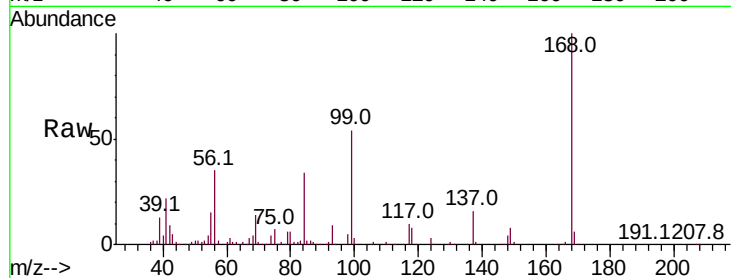
84 93.5 68.6 103.0

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3/14/2019 3:12:42 PM



#32

1,1,1-Trichloroethane

Concen: 23.018 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

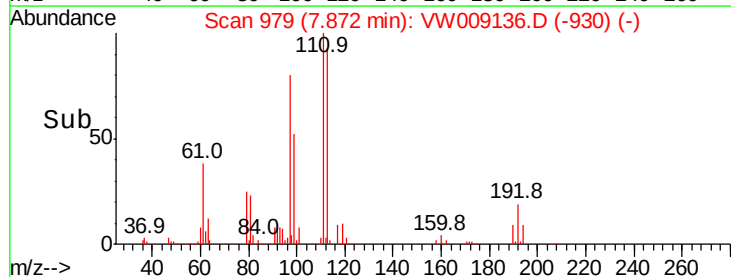
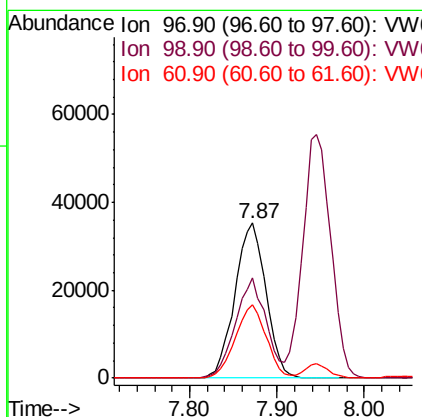
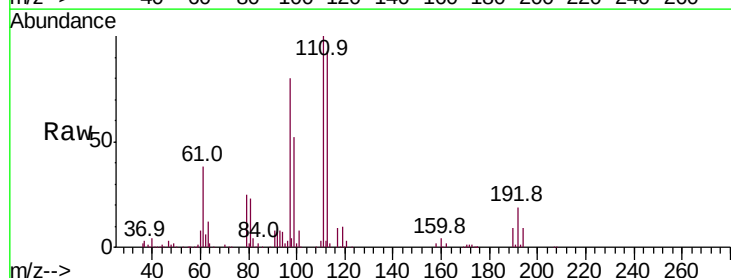
Tgt Ion: 97 Resp: 87351

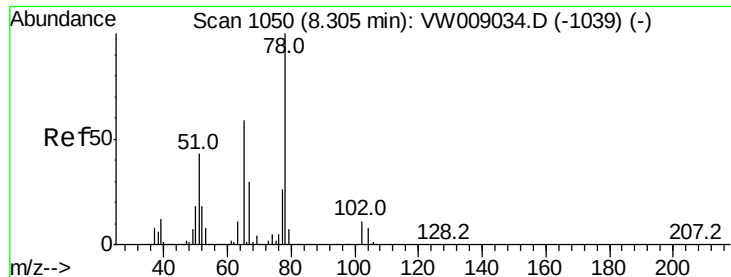
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 47.2 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 65.419 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 65 Resp: 143865

Ion Ratio Lower Upper

65 100

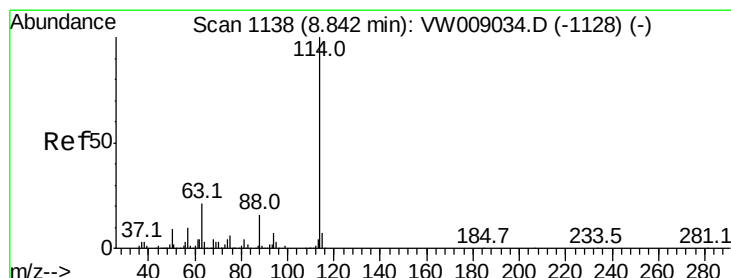
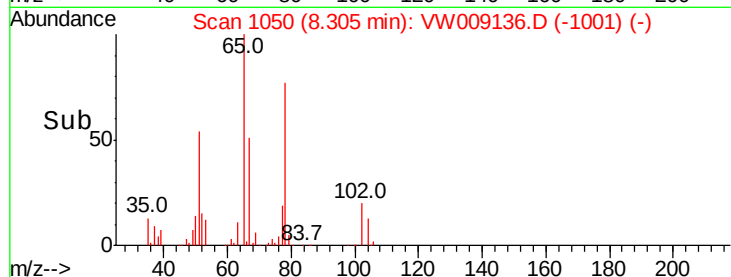
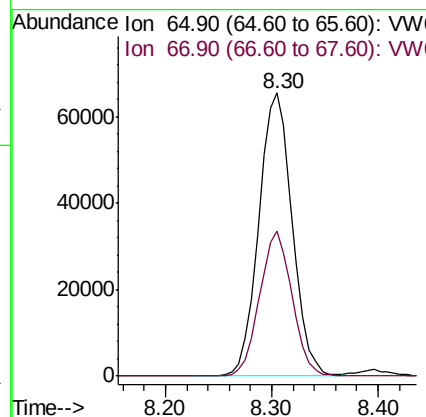
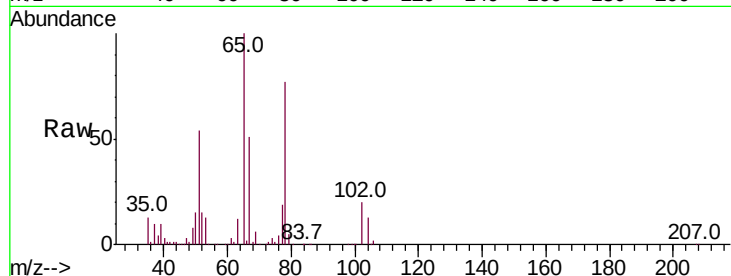
67 49.9 0.0 103.0

Manual Integrations

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3/14/2019 3:12:42 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

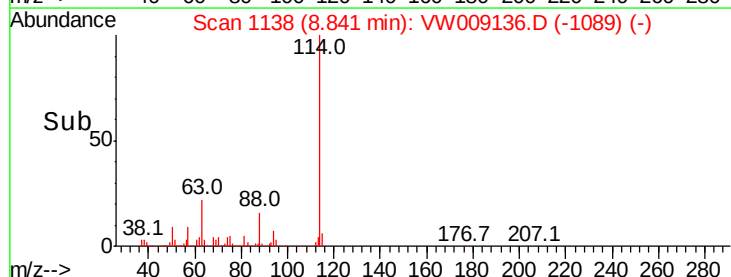
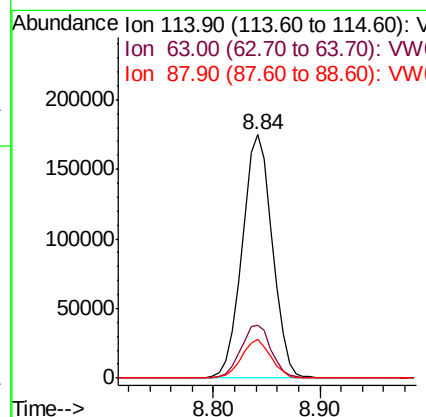
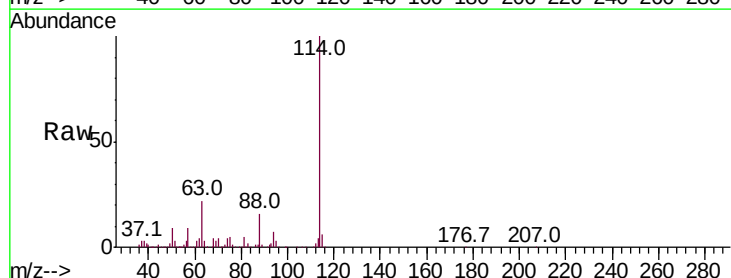
Tgt Ion: 114 Resp: 348463

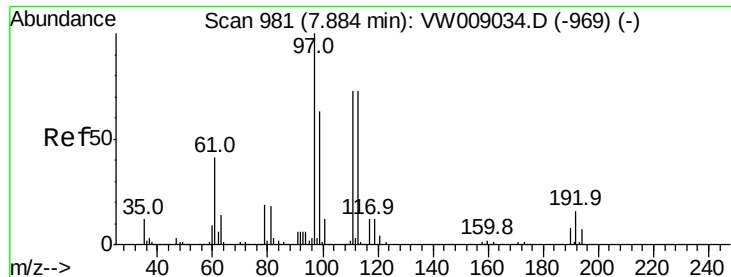
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.2

88 15.8 0.0 31.2





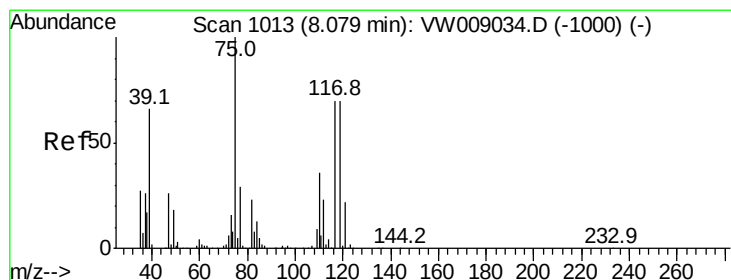
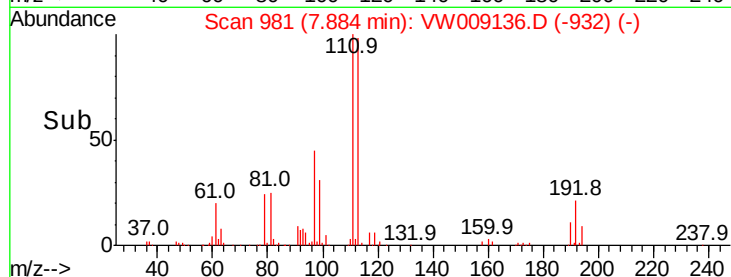
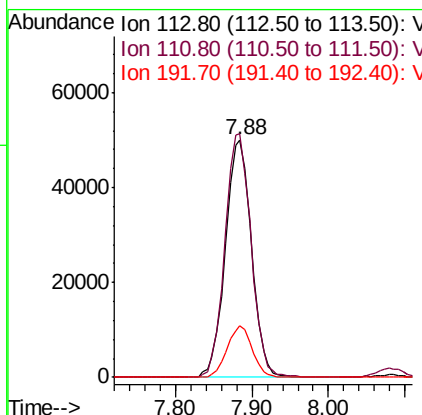
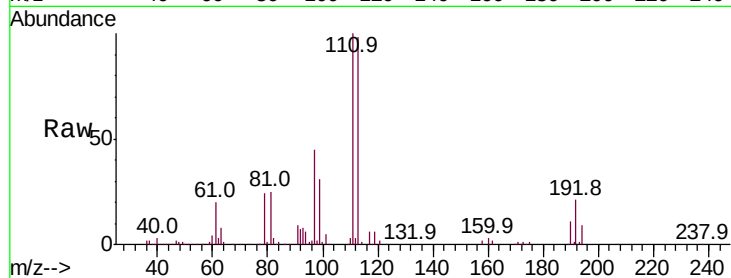
#35
 Dibromofluoromethane
 Concen: 56.307 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.0	121.4	
192	20.9	17.1	25.7	

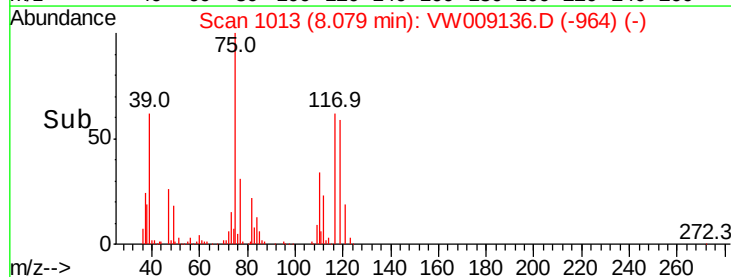
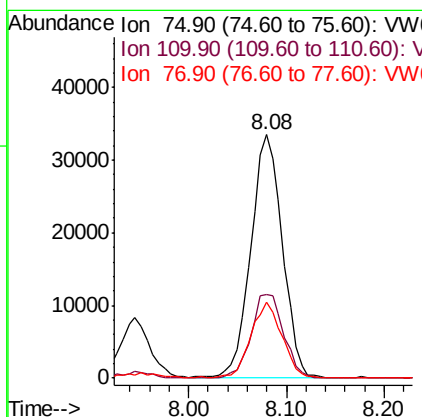
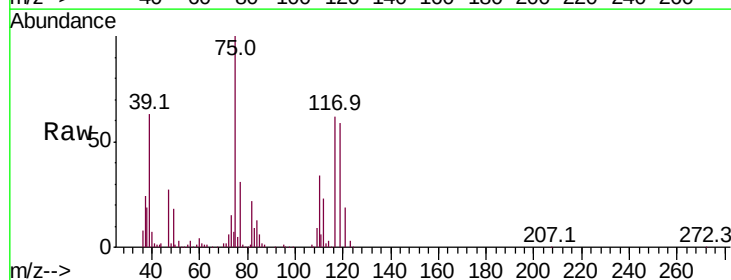
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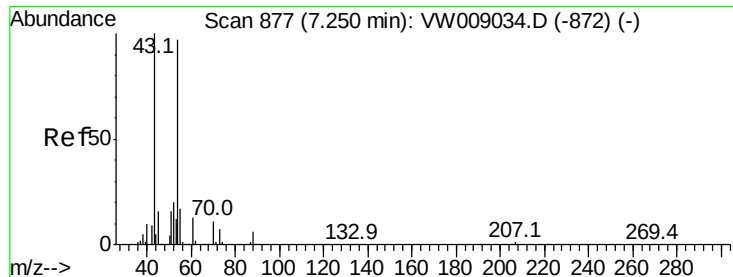
MMDadoda
 3/14/2019 3:12:42 PM



#36
 1,1-Dichloropropene
 Concen: 20.634 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	17.6	52.9	
77	30.9	25.1	37.7	





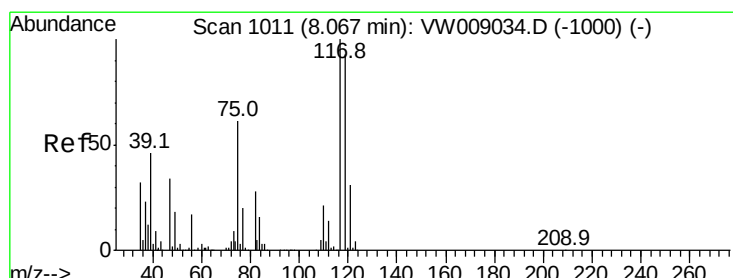
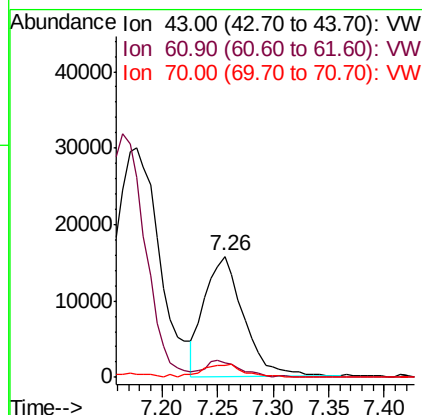
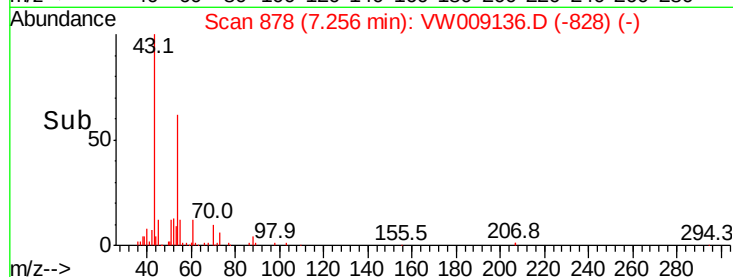
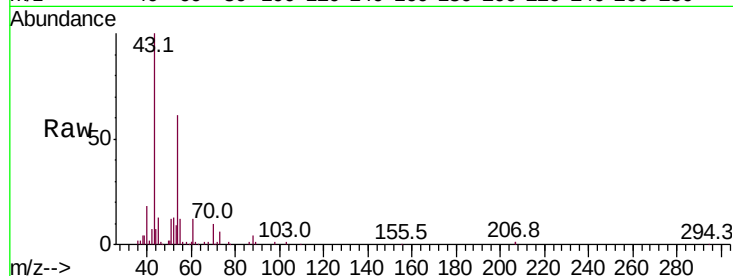
#37
Ethyl Acetate
Concen: 22.409 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.8	14.6
70	11.7	7.2	10.8

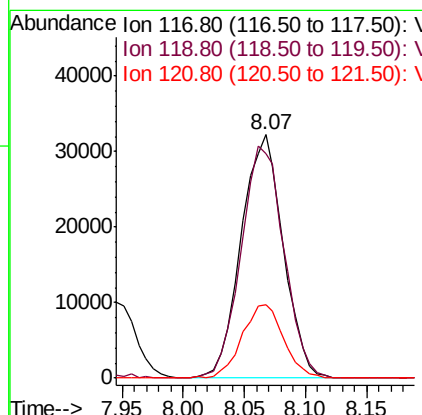
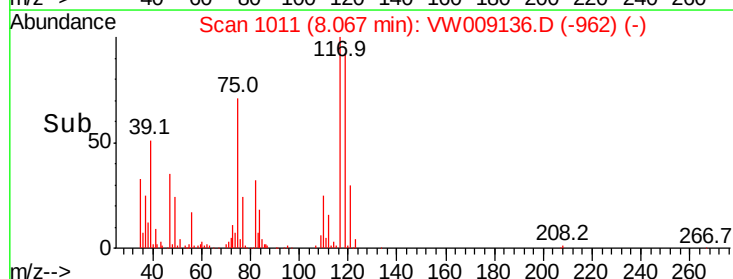
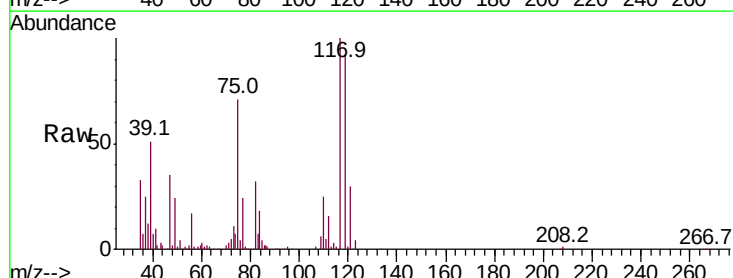
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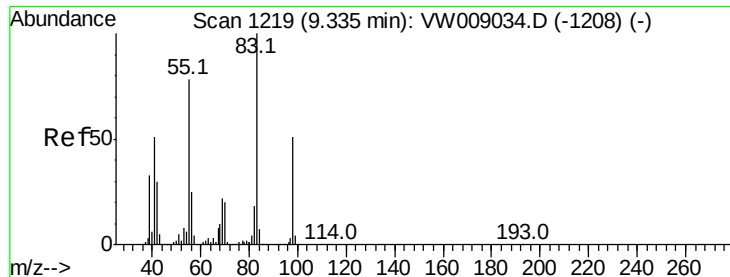
MMDadoda
3/14/2019 3:12:42 PM



#38
Carbon Tetrachloride
Concen: 20.448 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.6	112.0
121	30.2	24.7	37.1





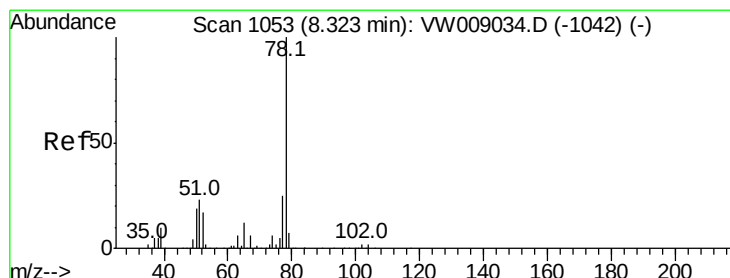
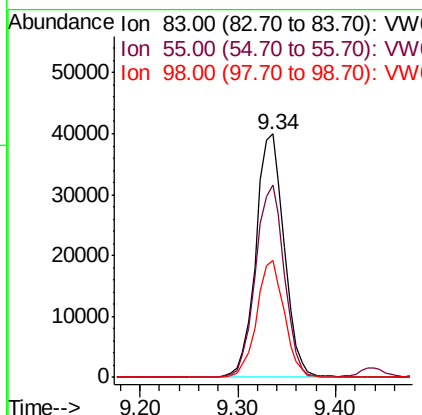
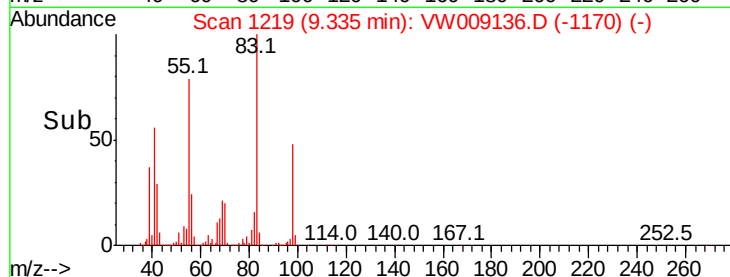
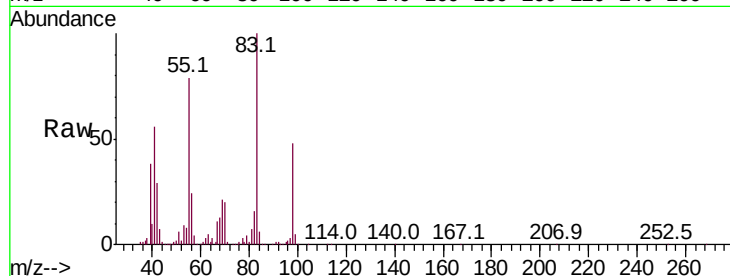
#39
Methylvlcyclohexane
Concen: 18.505 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	62.7	94.1
98	47.9	40.8	61.2

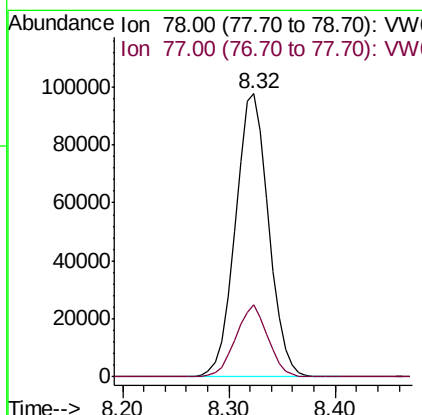
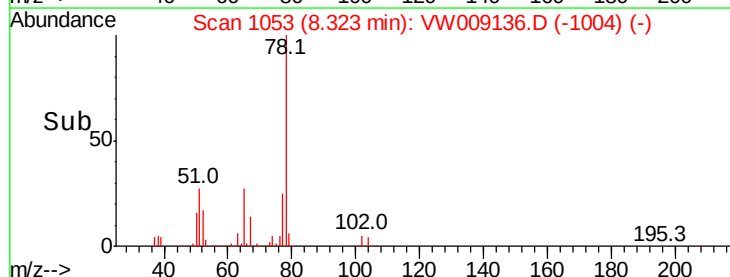
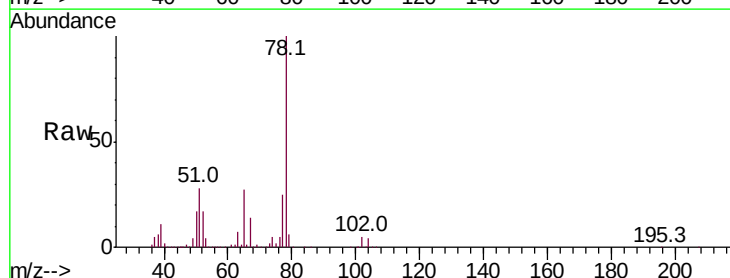
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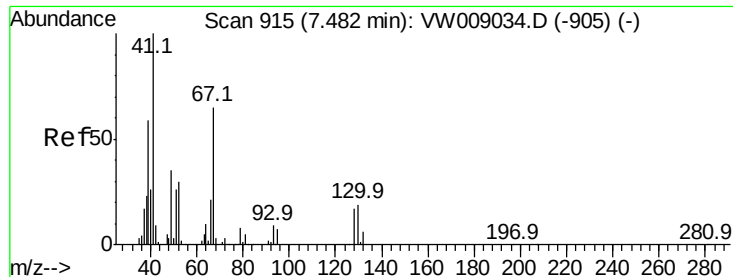
MMDadoda
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#40
Benzene
Concen: 22.003 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	20.2	30.4





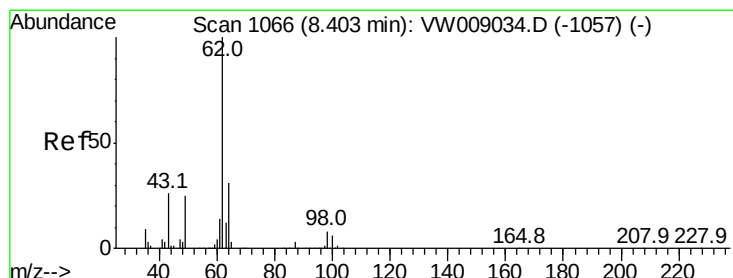
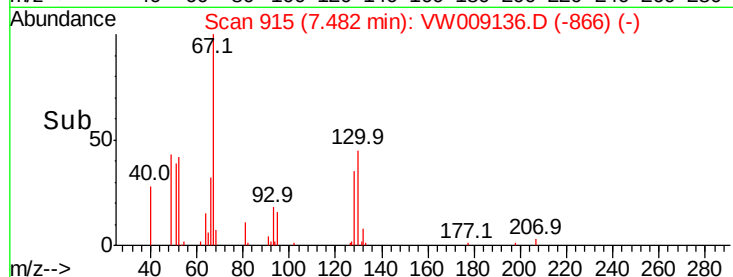
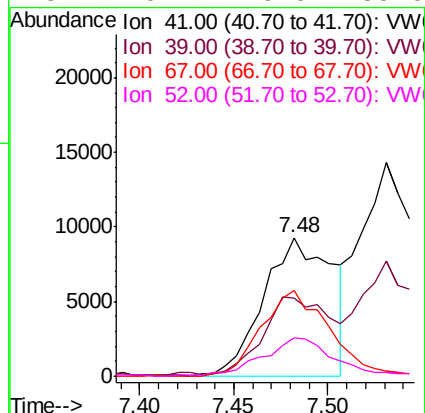
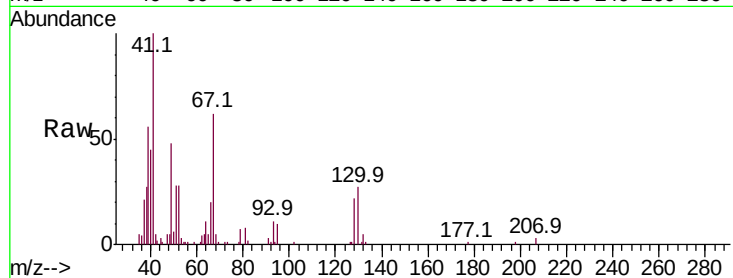
#41
Methacrylonitrile
Concen: 24.811 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	53.6	80.4
67	61.2	57.6	86.4
52	29.1	26.0	39.0

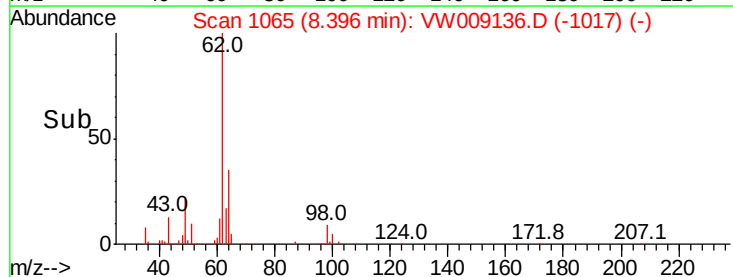
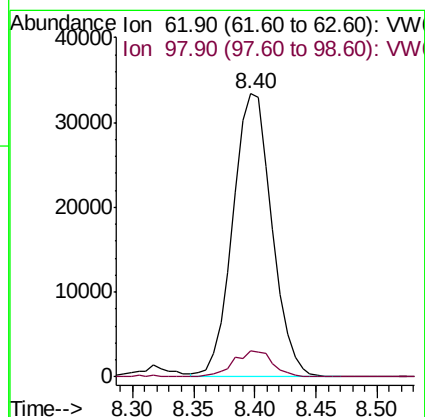
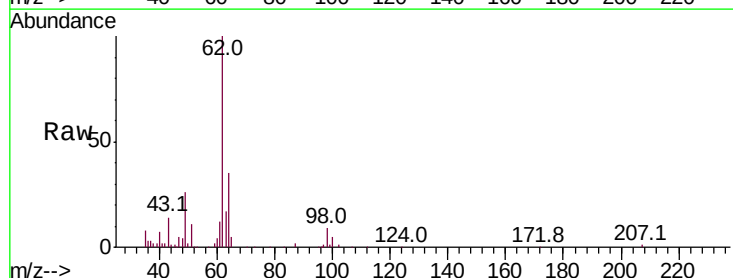
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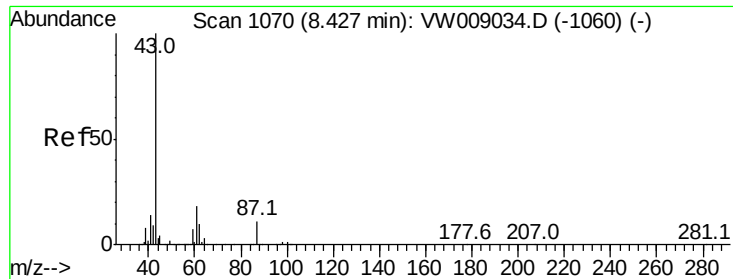
MMDadoda
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#42
1,2-Dichloroethane
Concen: 23.547 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 23.367 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

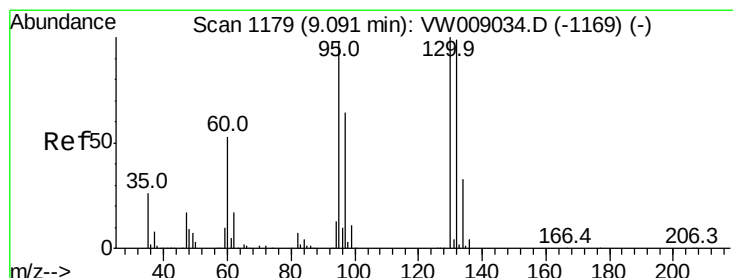
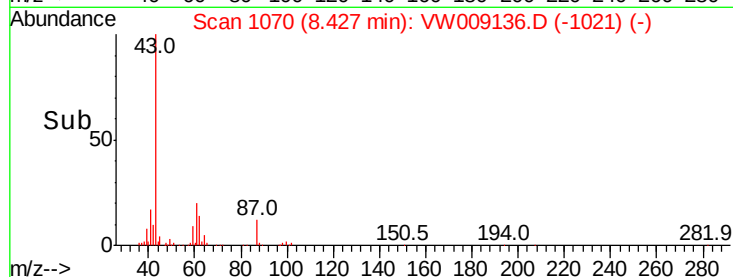
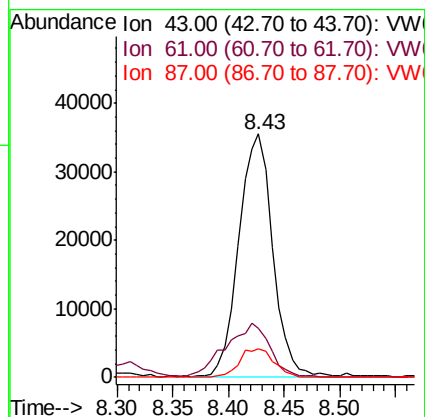
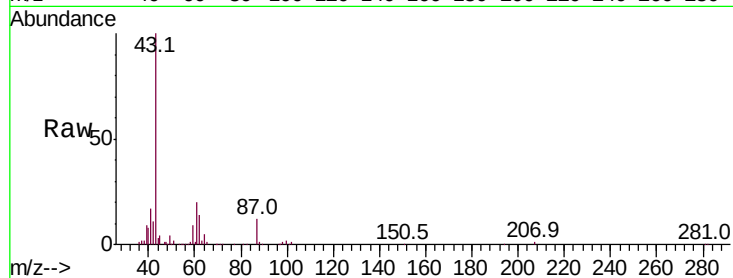
ClientSampleId :

VW0312SBS02

Tot Ion:	43	Resp:	74483
Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.8	34.2
87	12.1	9.4	14.2

Manual Integrations
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3/14/2019 3:12:42 PM



#44

Trichloroethene

Concen: 21.794 ug/l

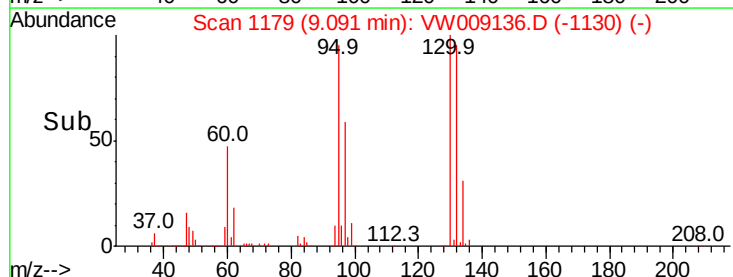
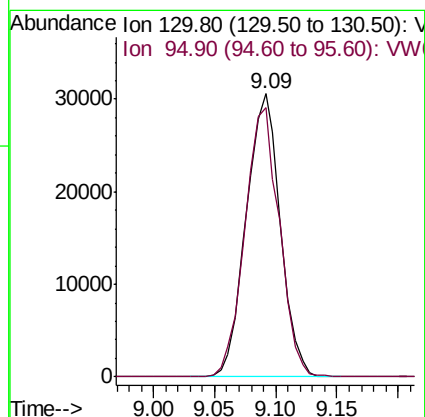
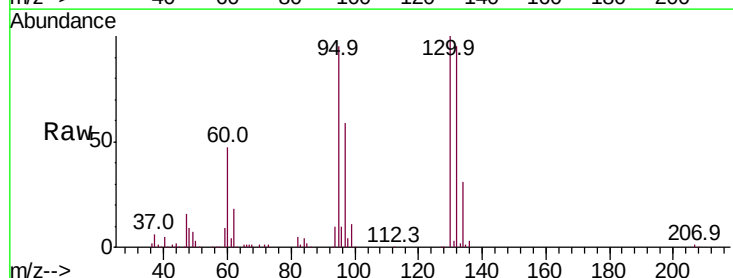
RT: 9.09 min Scan# 1179

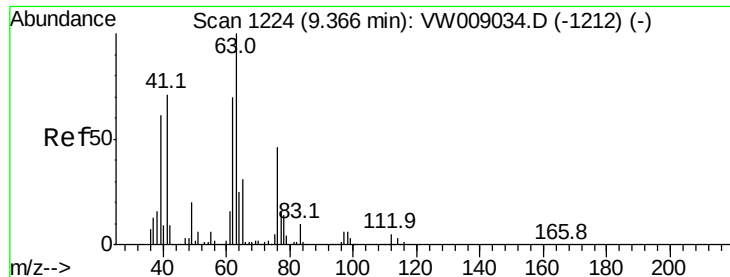
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	130	Resp:	59413
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 22.492 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 63 Resp: 54790

Ion Ratio Lower Upper

63 100

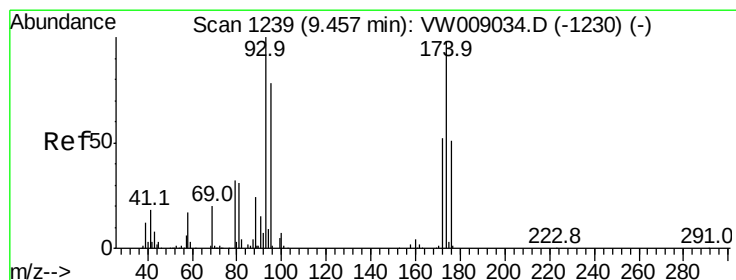
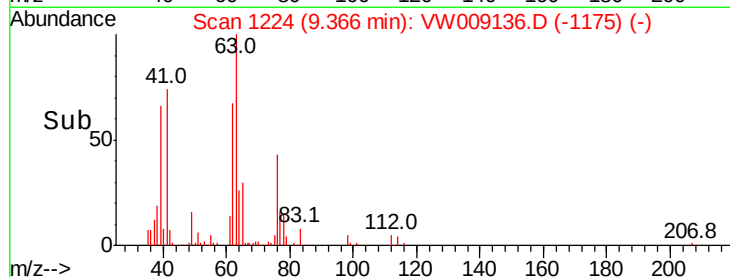
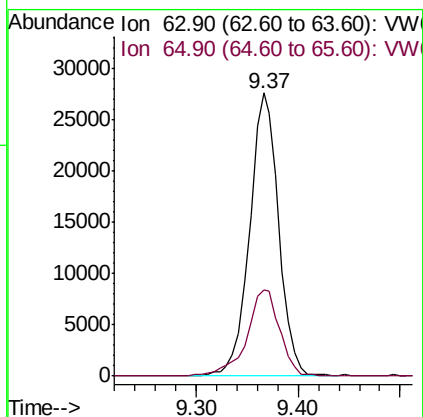
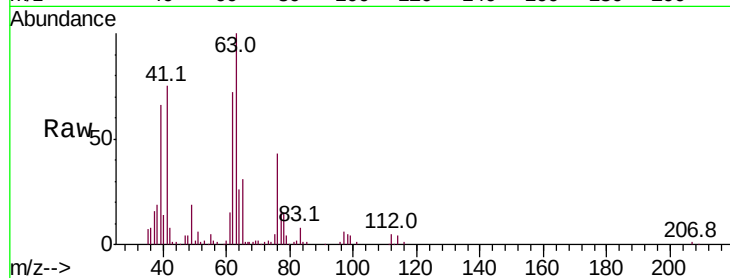
65 30.7 24.9 37.3

Manual Integrations

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3/14/2019 3:12:42 PM



#46

Dibromomethane

Concen: 23.293 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

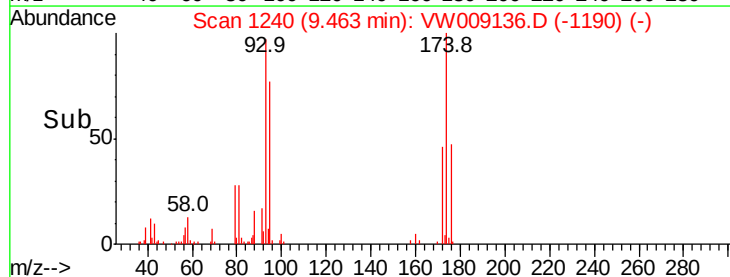
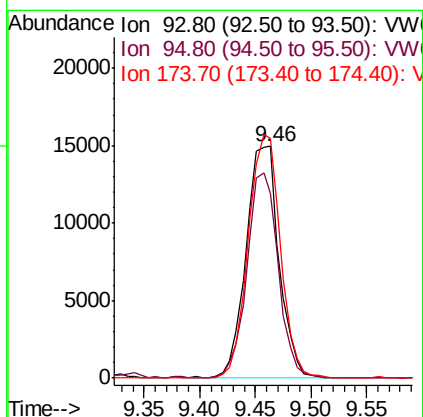
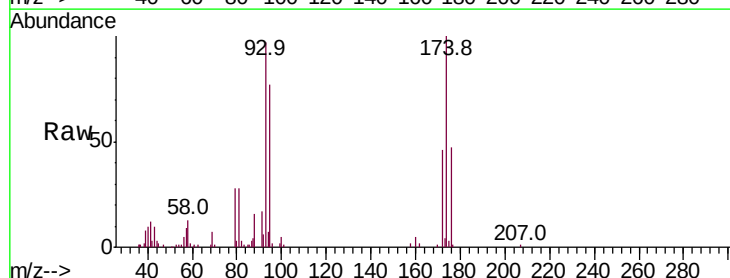
Tgt Ion: 93 Resp: 30990

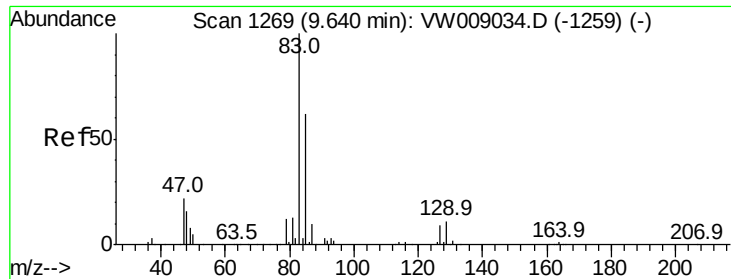
Ion Ratio Lower Upper

93 100

95 83.9 65.0 97.6

174 102.2 81.8 122.6





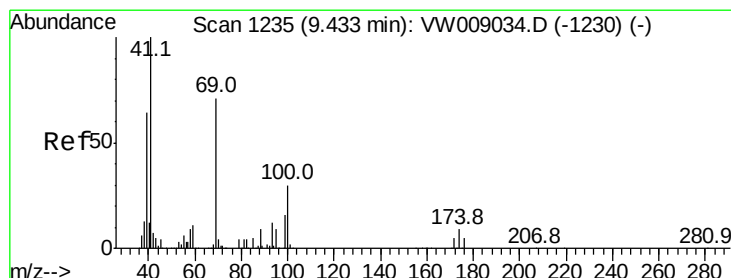
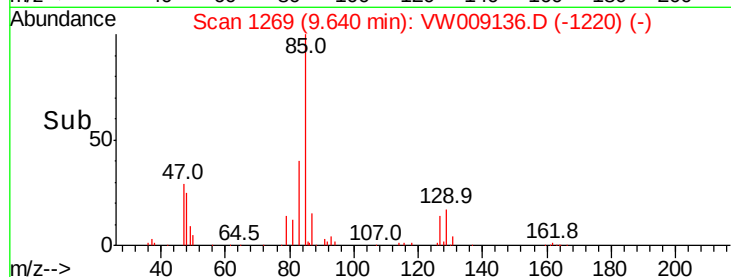
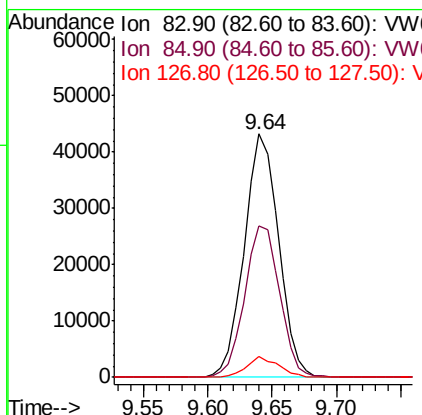
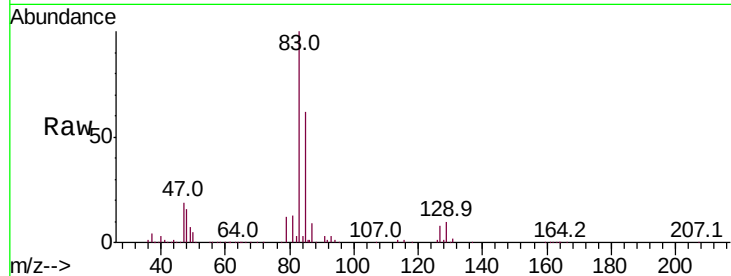
#47
 Bromodichloromethane
 Concen: 23.708 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	79842		
85	62.4		49.9	74.9
127	8.4		7.1	10.7

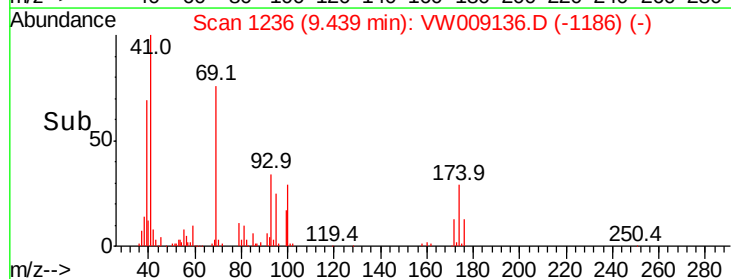
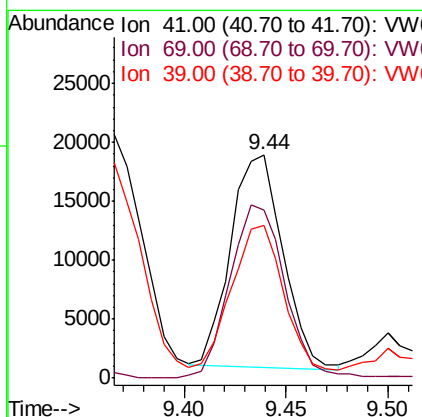
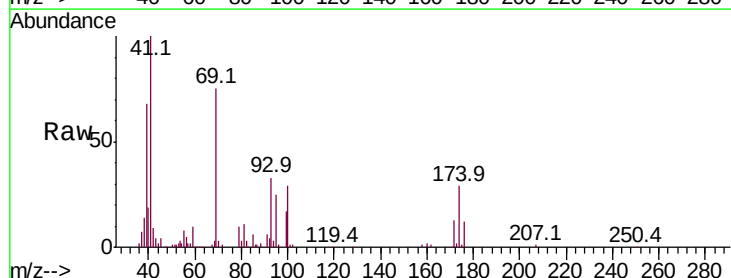
Manual Integrations
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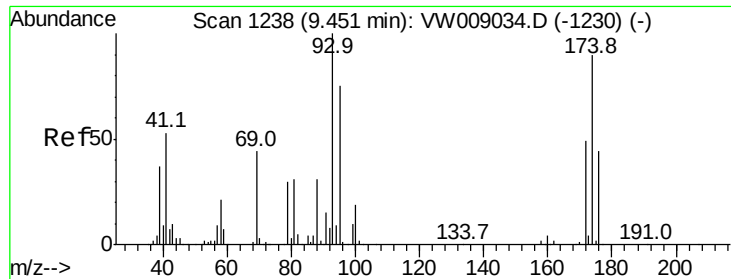
MMDadoda
 3/14/2019 3:12:42 PM



#48
 Methyl methacrylate
 Concen: 21.595 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32052		
69	86.1		59.1	88.7
39	73.8		48.9	73.3#





#49

1,4-Dioxane

Concen: 450.523 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

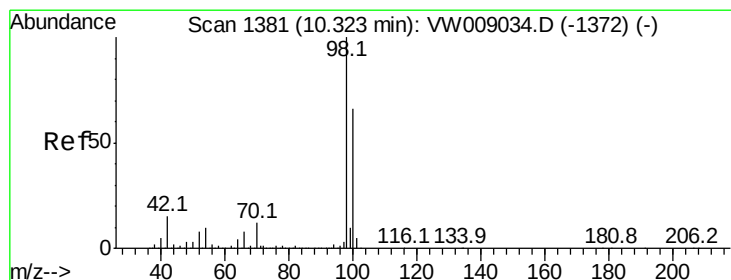
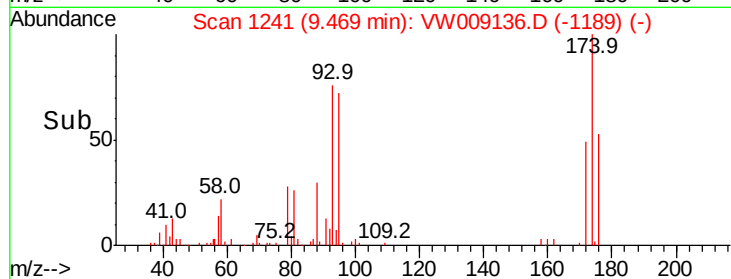
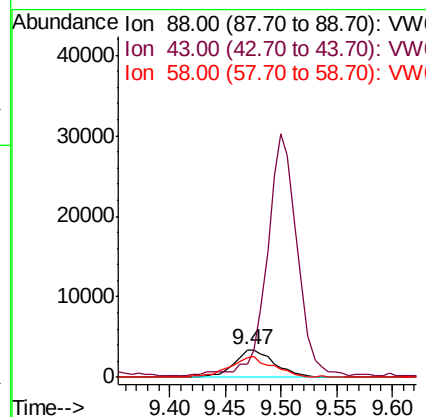
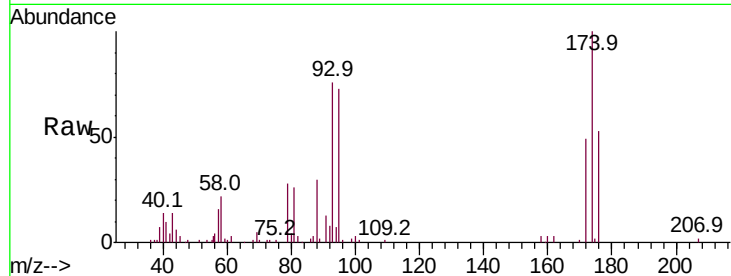
ClientSampleId :

VW0312SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	81.9	59.2	88.8

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3/14/2019 3:12:42 PM



#50

Toluene-d8

Concen: 54.120 ug/l

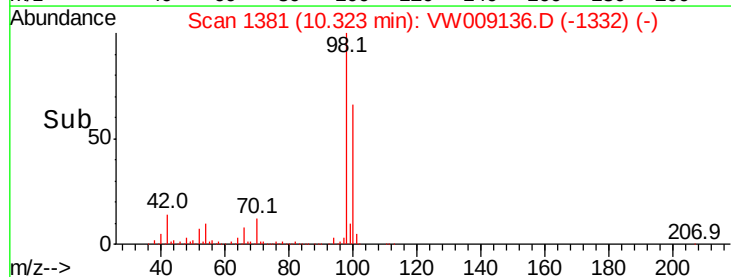
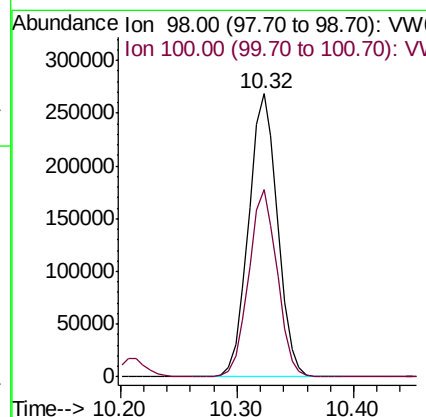
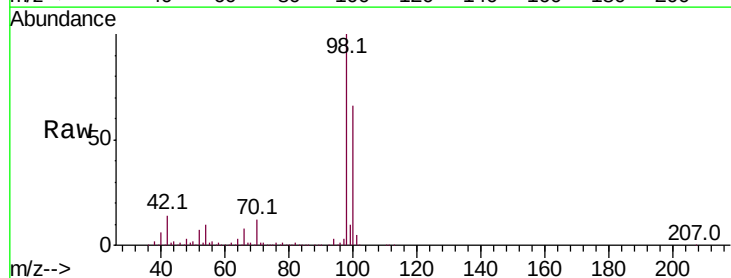
RT: 10.32 min Scan# 1381

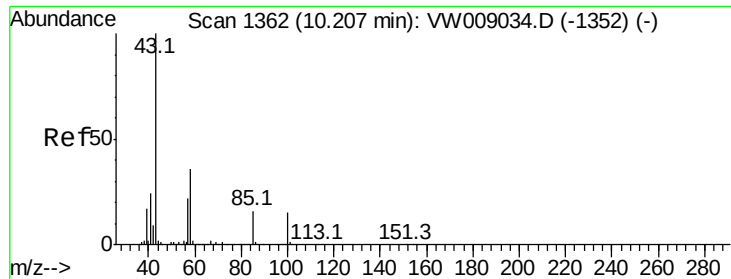
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 120.760 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 43 Resp: 195414

Ion Ratio Lower Upper

43 100

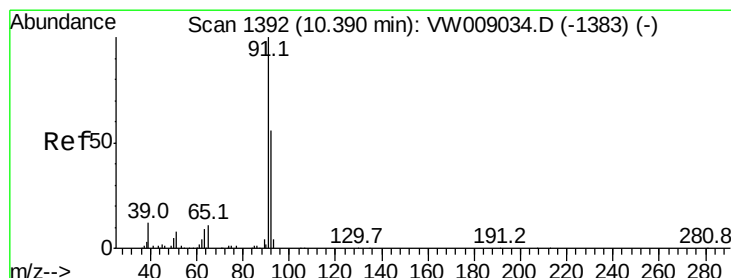
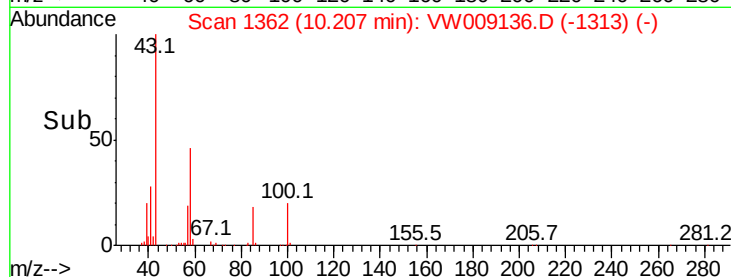
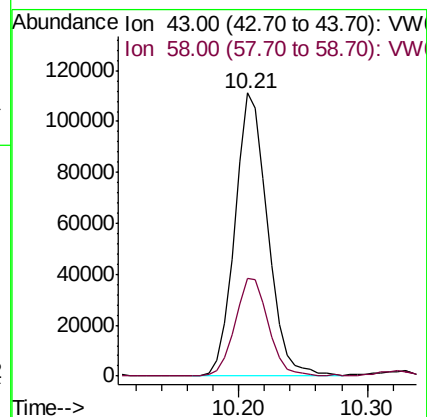
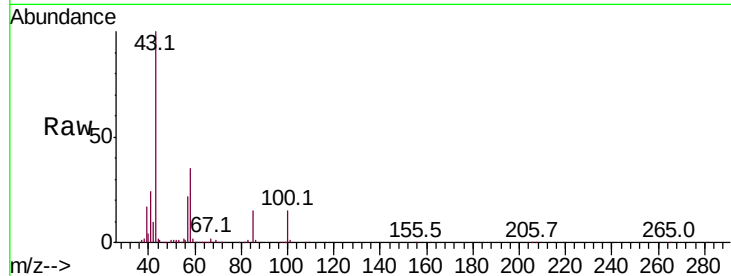
58 35.5 28.8 43.2

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3/14/2019 3:12:42 PM



#52

Toluene

Concen: 21.064 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009136.D

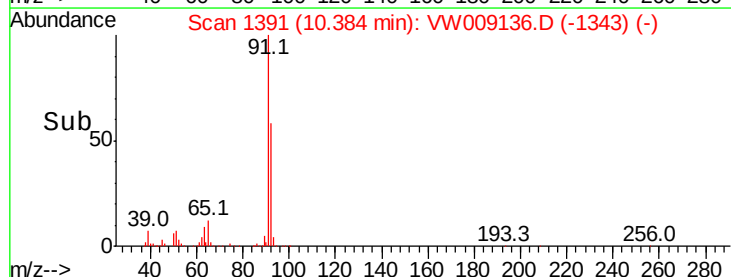
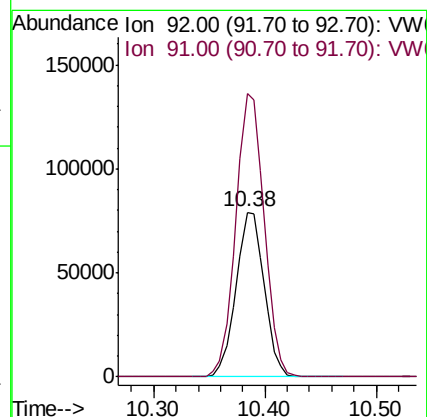
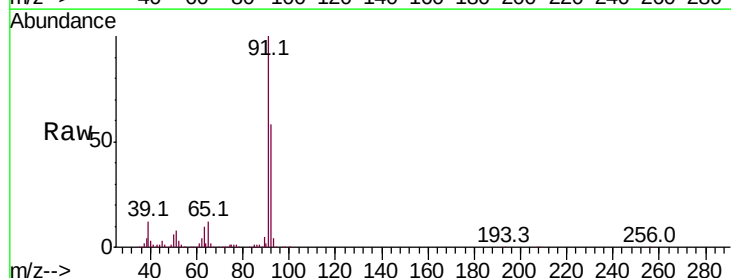
Acq: 13 Mar 2019 05:21

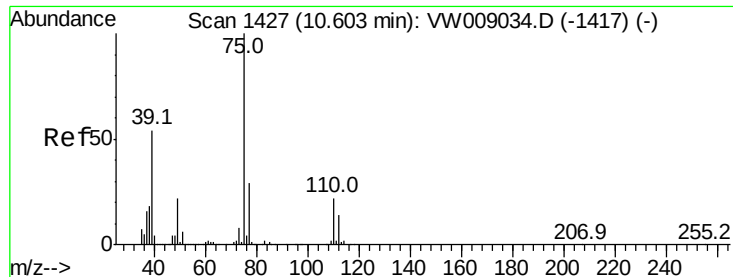
Tgt Ion: 92 Resp: 138942

Ion Ratio Lower Upper

92 100

91 173.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 21.740 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

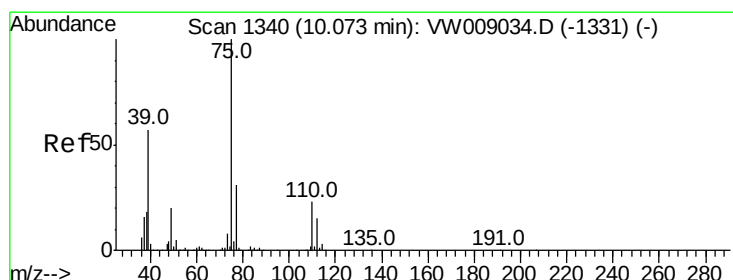
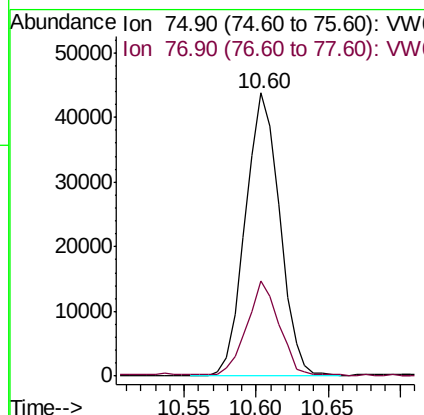
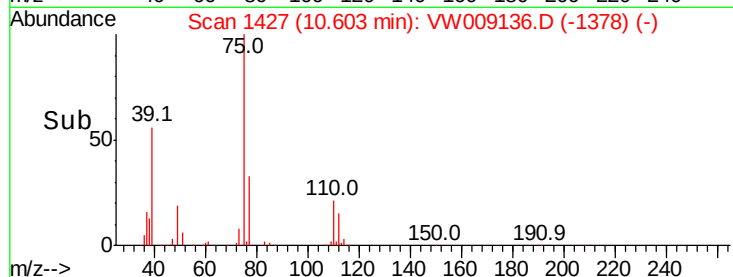
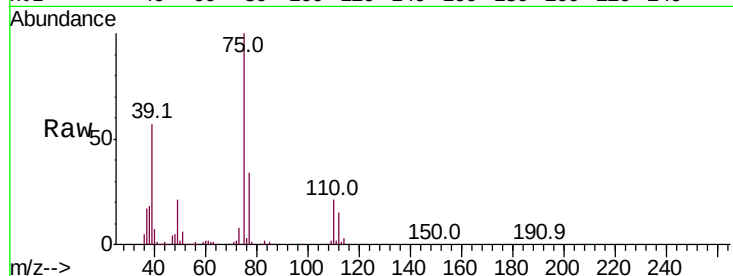
Instrument :
MSVOA_W

ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	23.6	35.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.561 ug/l

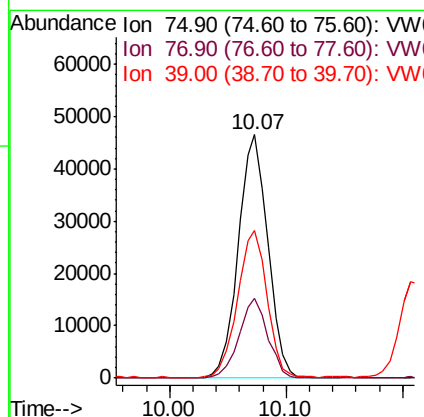
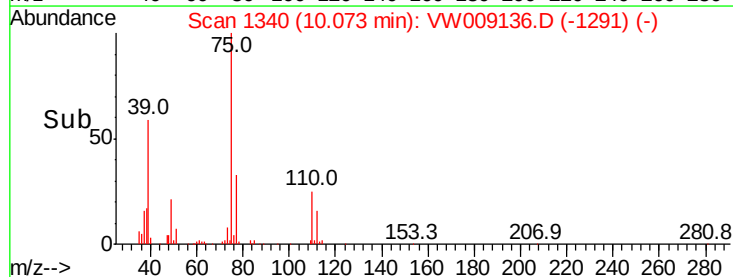
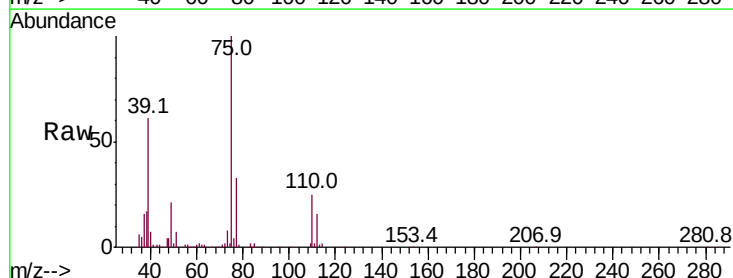
RT: 10.07 min Scan# 1340

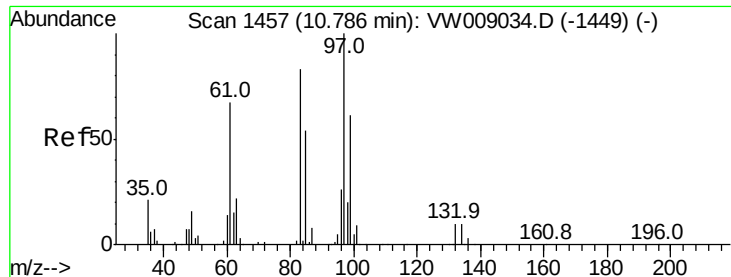
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.6	36.8
39	60.5	45.9	68.9





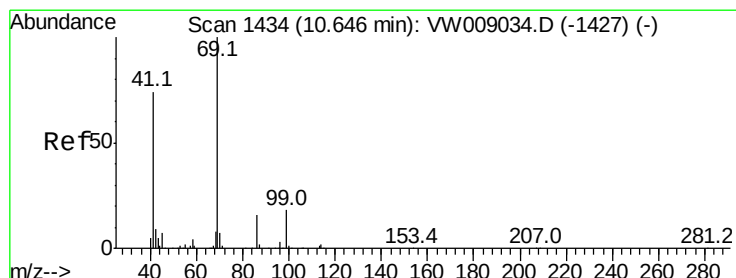
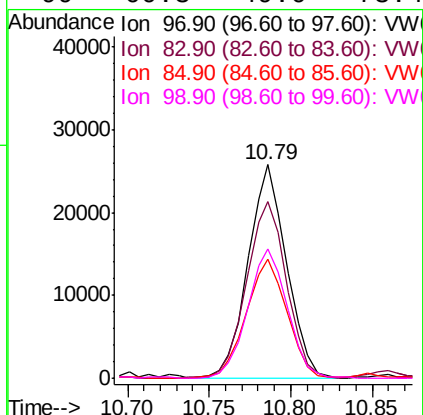
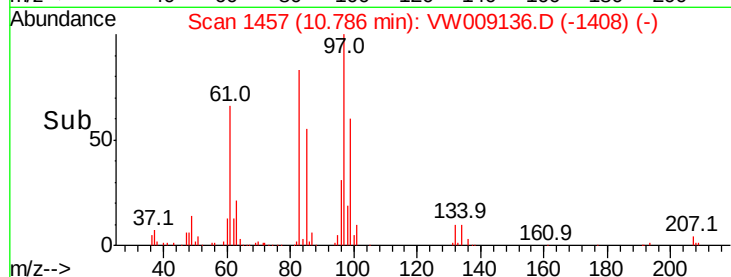
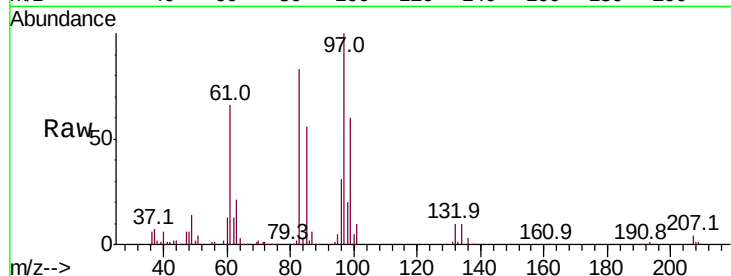
#55
 1,1,2-Trichloroethane
 Concen: 23.475 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		42330		
83	82.6	66.2	99.2		
85	55.6	43.6	65.4		
99	60.3	49.0	73.4		

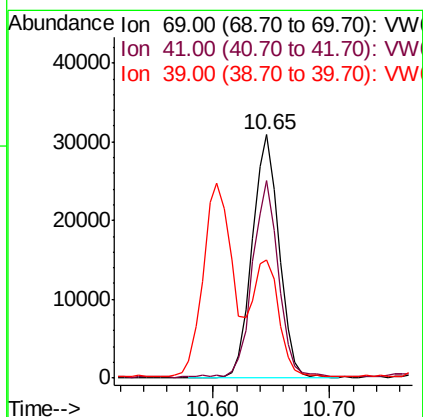
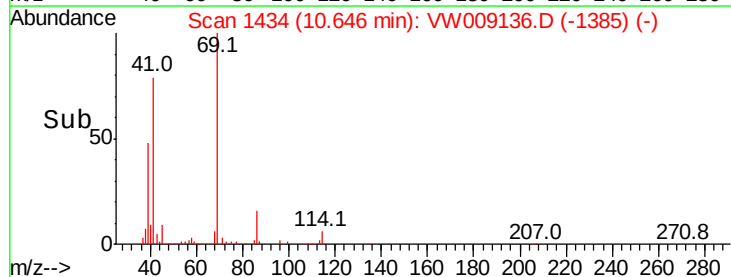
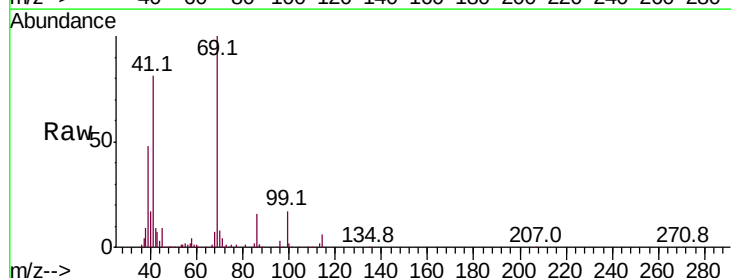
Manual Integrations
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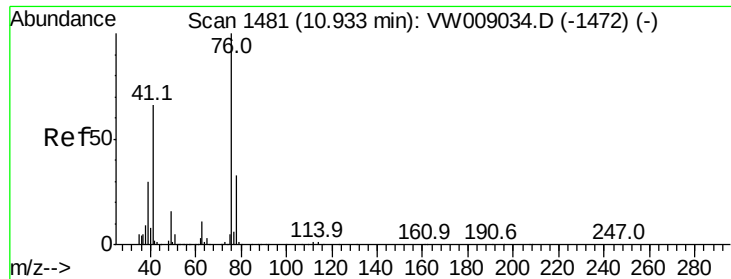
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 22.331 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		49976		
41	77.9	59.4	89.2		
39	45.6	38.5	57.7		





#57

1,3-Dichloropropane

Concen: 23.034 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion: 76 Resp: 73579

Ion Ratio Lower Upper

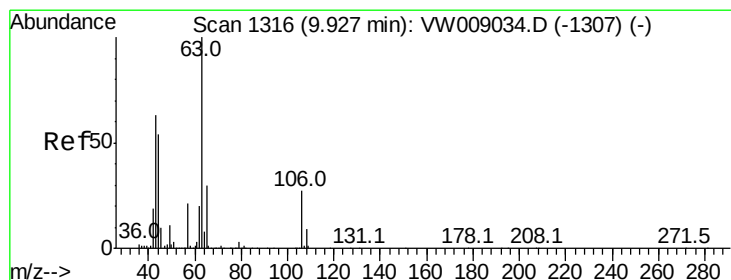
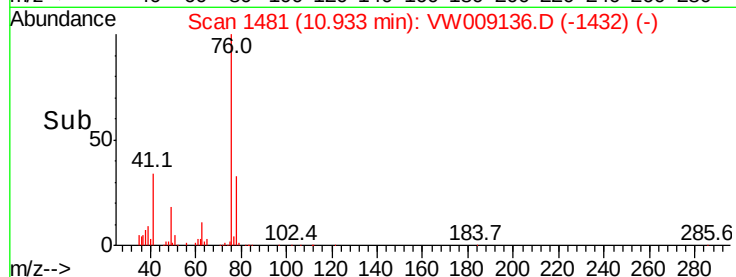
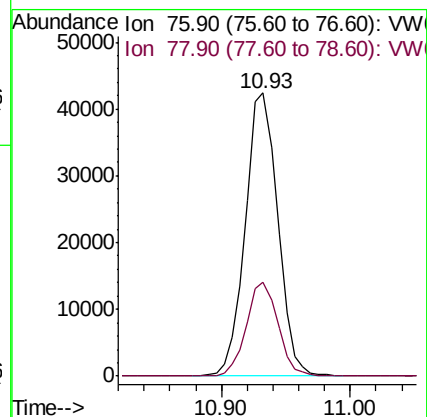
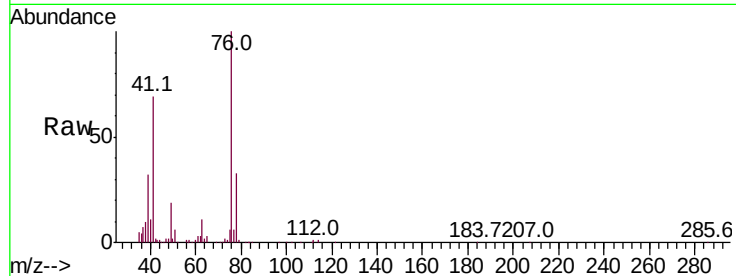
76 100

78 32.5 25.7 38.5

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3/14/2019 3:12:42 PM



#58

2-Chloroethyl Vinyl ether

Concen: 118.089 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009136.D

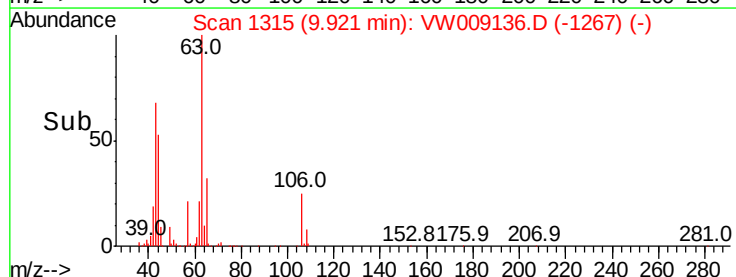
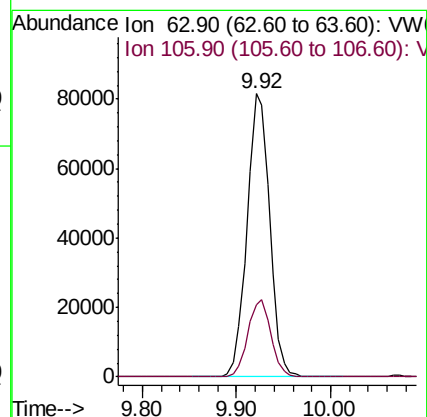
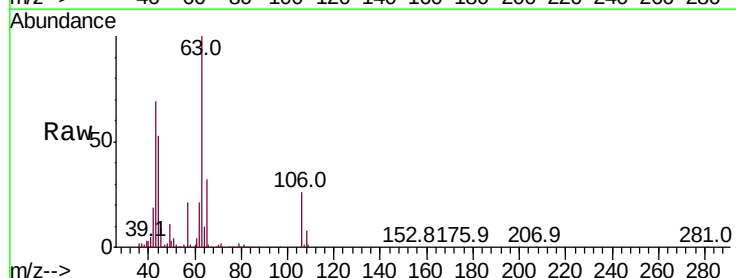
Acq: 13 Mar 2019 05:21

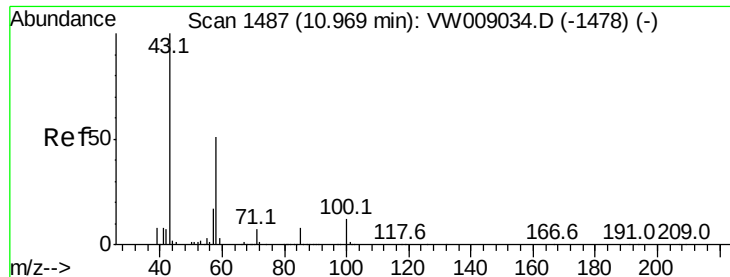
Tgt Ion: 63 Resp: 137003

Ion Ratio Lower Upper

63 100

106 27.8 23.0 34.6





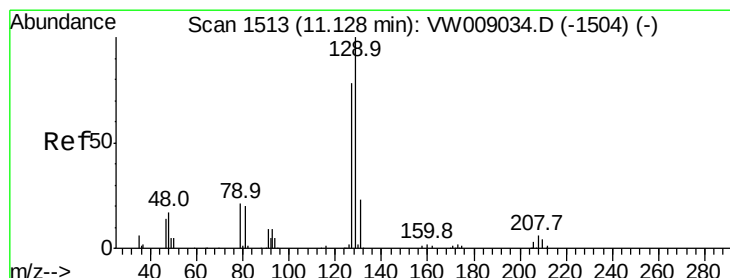
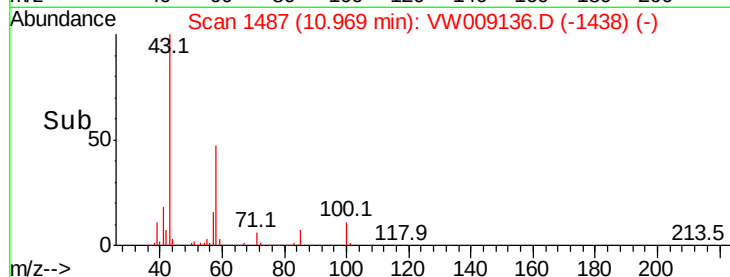
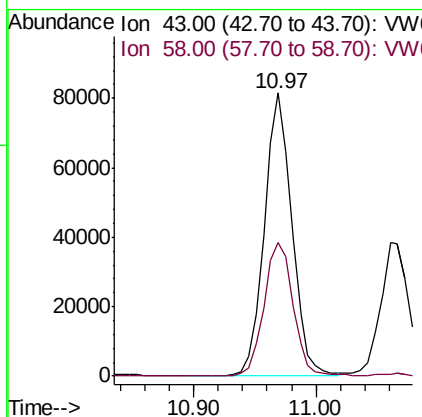
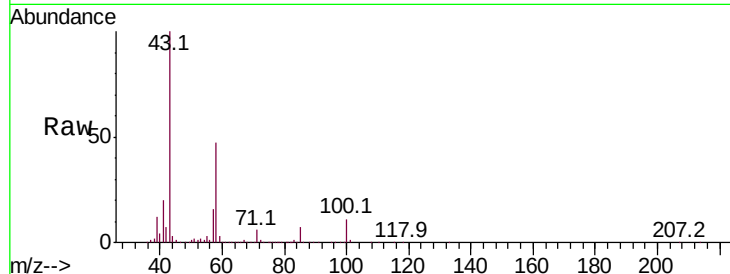
#59
2-Hexanone
Concen: 111.637 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.3	75.9

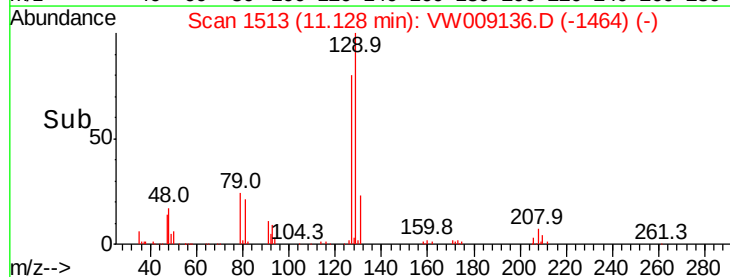
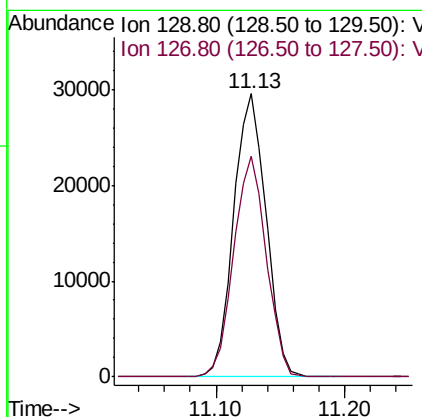
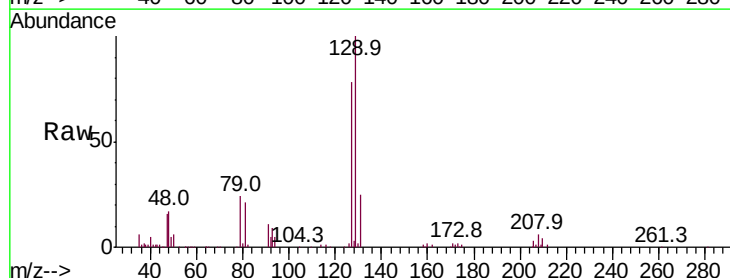
Manual Integrations
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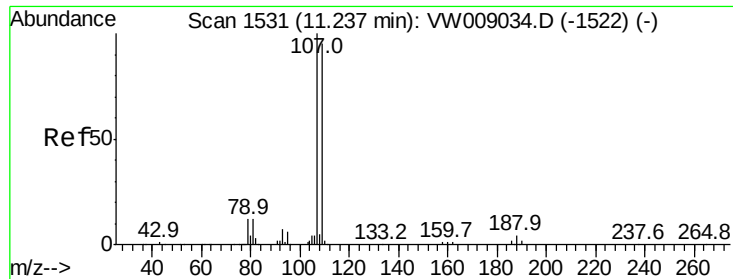
MMDadoda
3/14/2019 3:12:42 PM



#60
Dibromochloromethane
Concen: 23.061 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.4	115.1





#61

1,2-Dibromoethane

Concen: 23.585 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion:107 Resp: 41692

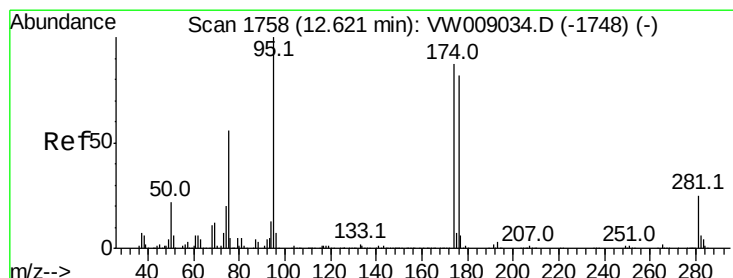
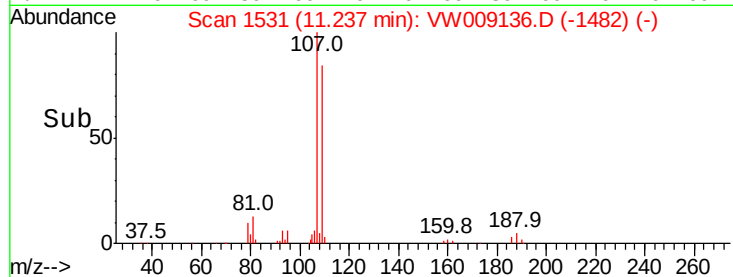
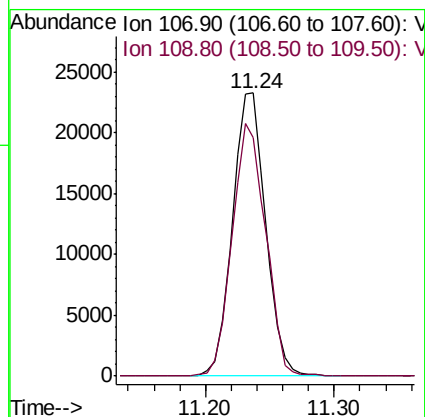
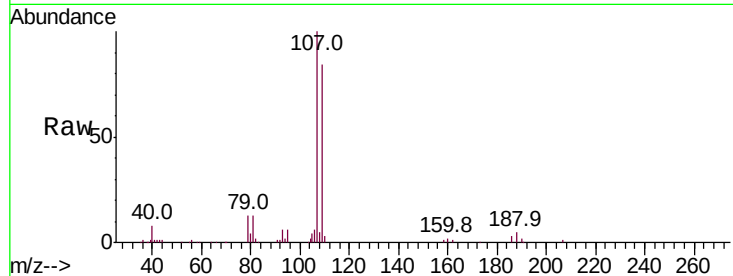
Ion Ratio Lower Upper

107 100

109 90.0 74.7 112.1

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3/14/2019 3:12:42 PM



#62

4-Bromofluorobenzene

Concen: 51.447 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

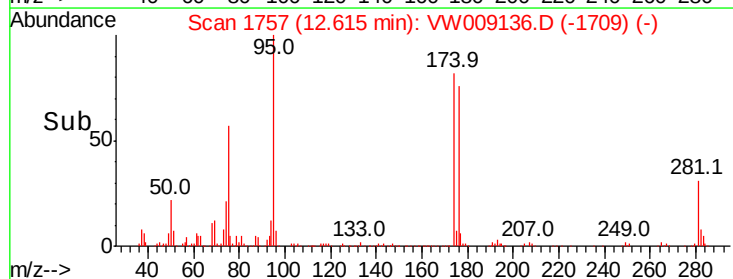
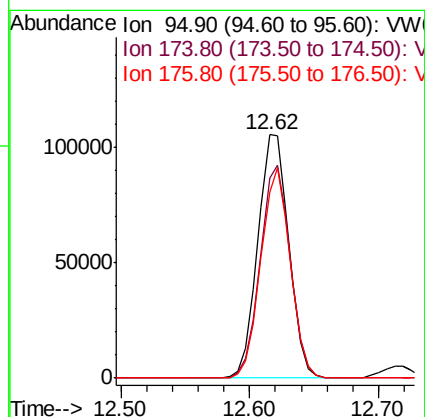
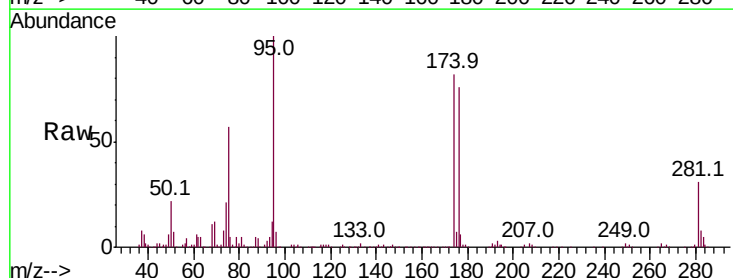
Tgt Ion: 95 Resp: 174519

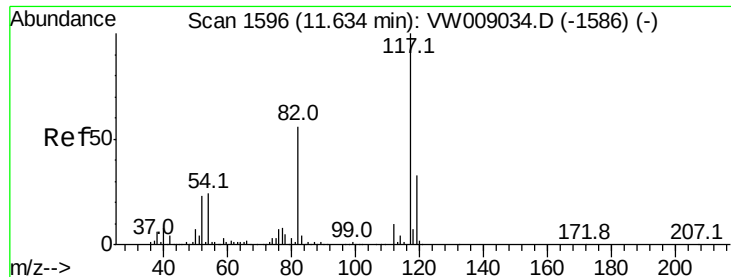
Ion Ratio Lower Upper

95 100

174 85.0 0.0 167.0

176 81.8 0.0 159.4





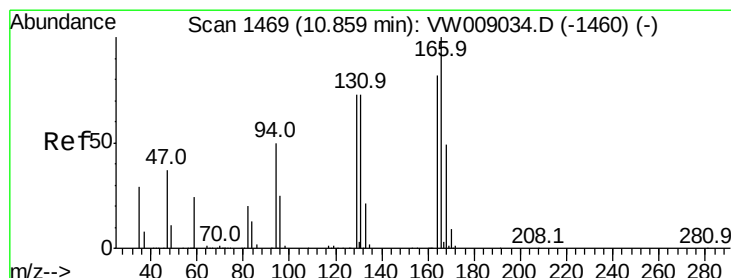
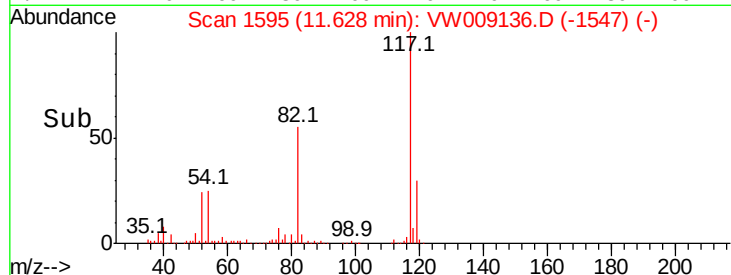
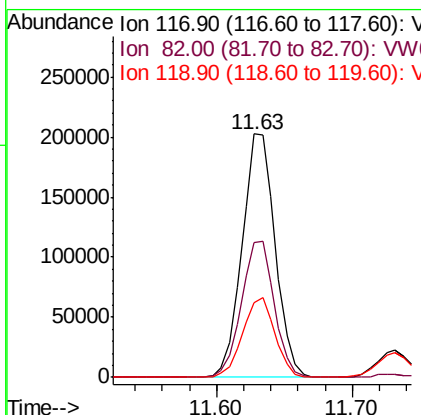
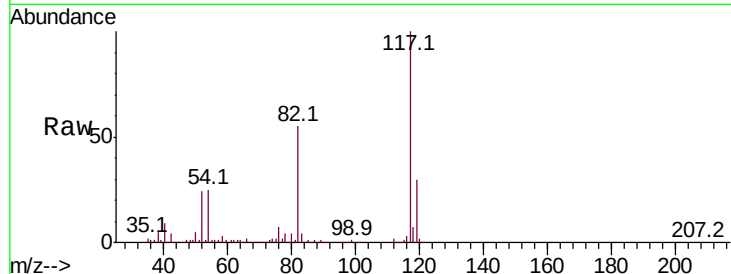
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.6
119	30.5	26.6	39.8

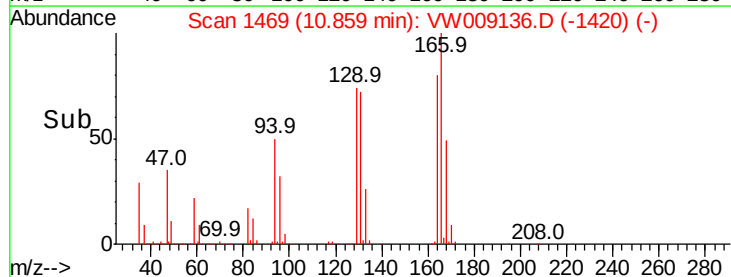
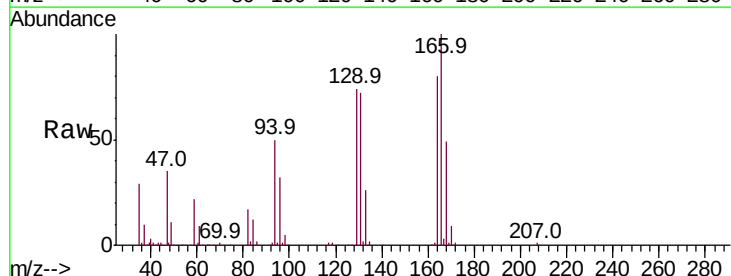
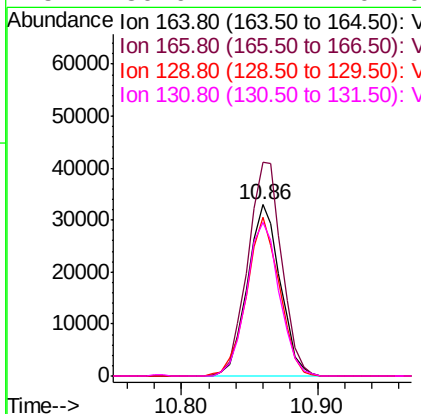
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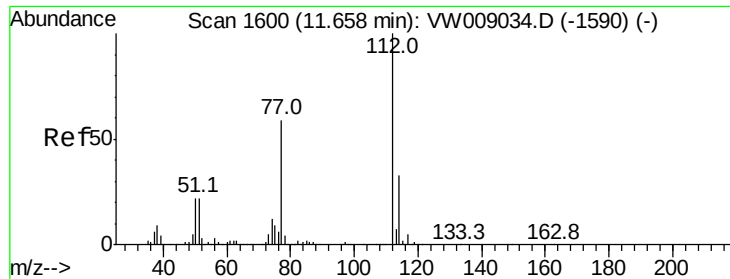
MMDadoda
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#64
Tetrachloroethene
Concen: 22.508 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	97.8	146.6
129	92.9	71.6	107.4
131	89.9	71.4	107.0





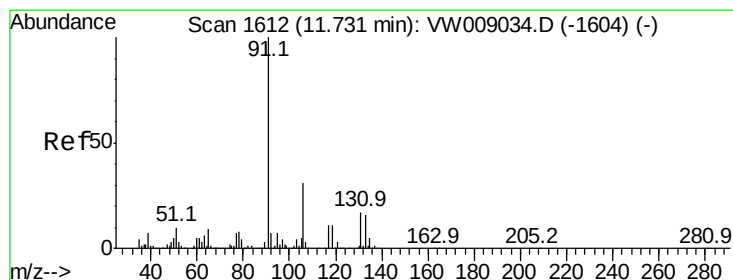
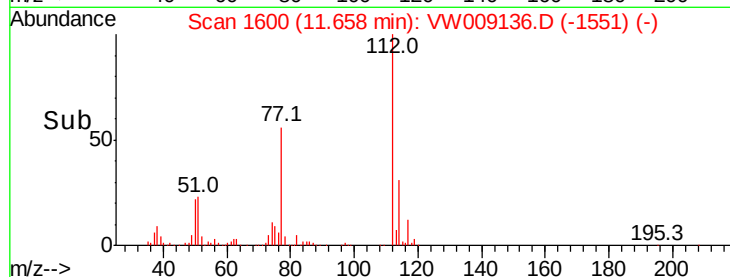
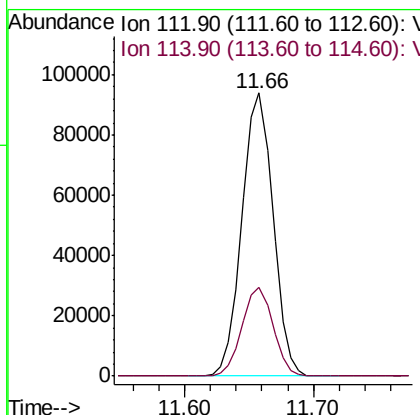
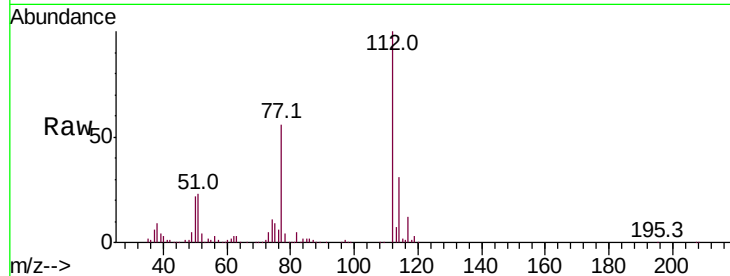
#65
Chlorobenzene
Concen: 20.947 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion:112 Resp: 157076
Ion Ratio Lower Upper
112 100
114 31.2 26.6 40.0

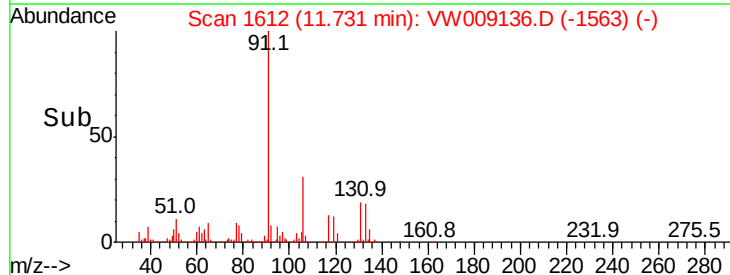
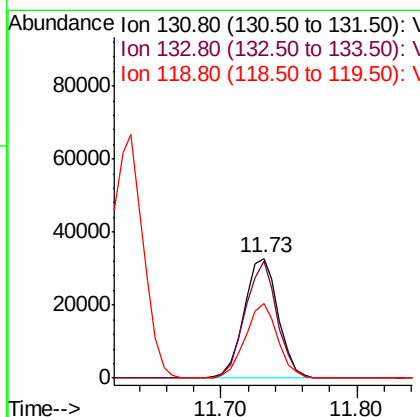
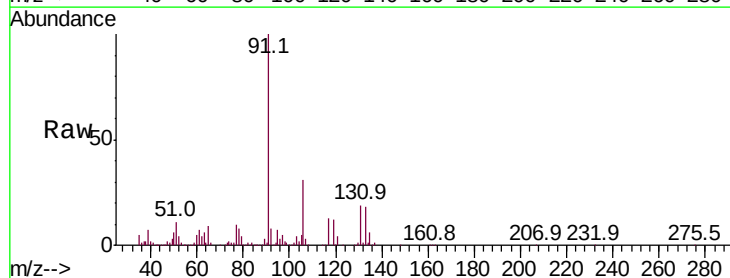
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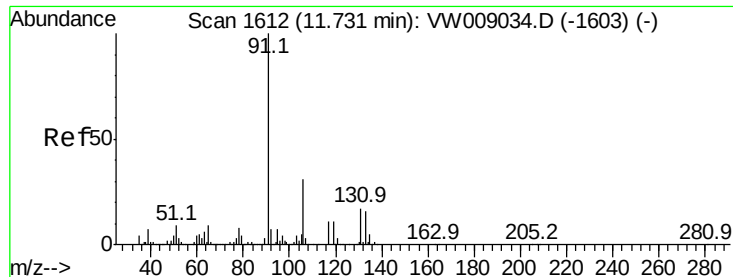
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.846 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:131 Resp: 57202
Ion Ratio Lower Upper
131 100
133 92.2 47.6 142.8
119 60.1 31.3 93.8





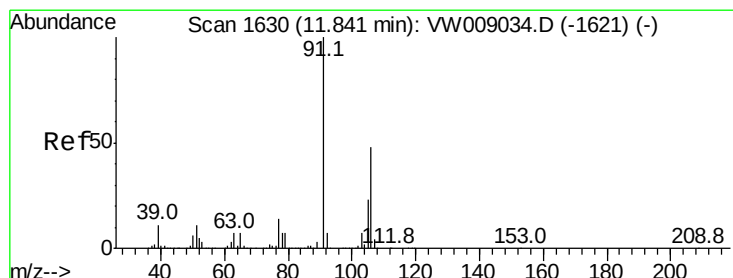
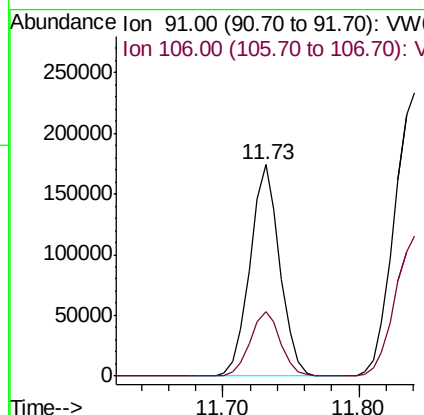
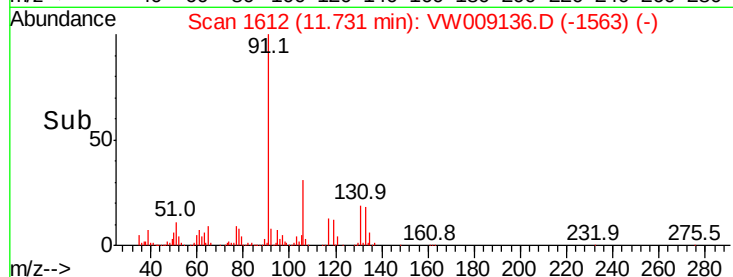
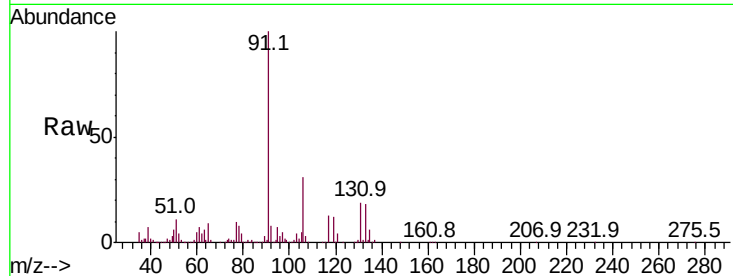
#67
Ethyl Benzene
Concen: 19.673 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.0	37.4

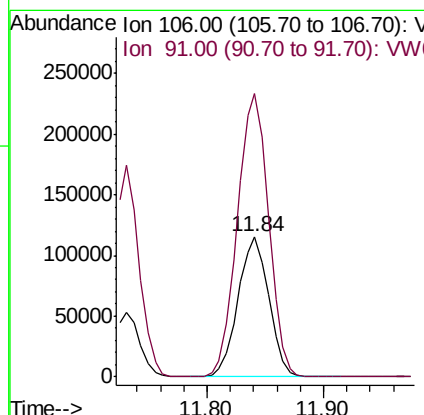
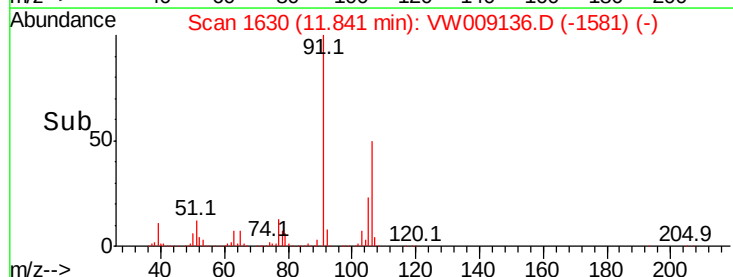
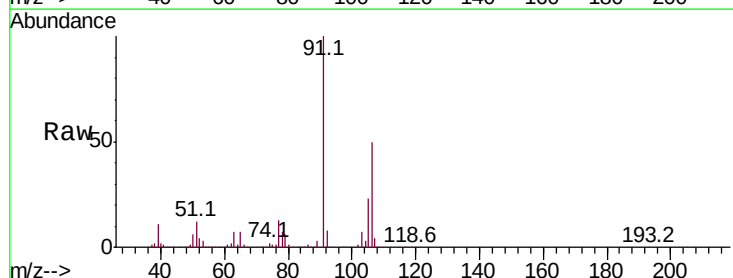
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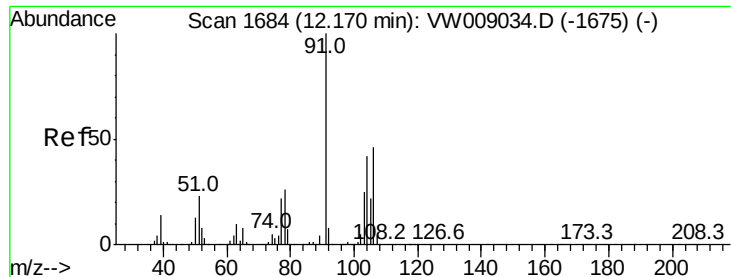
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#68
m/p-Xylenes
Concen: 39.838 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.2	244.8





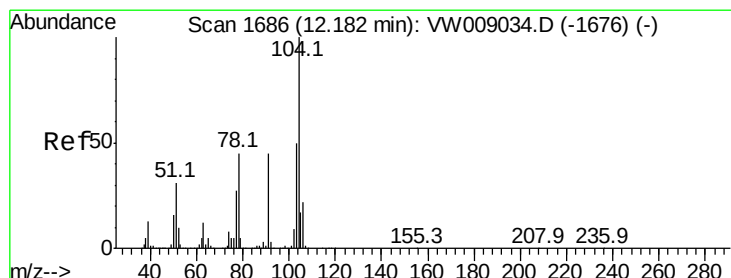
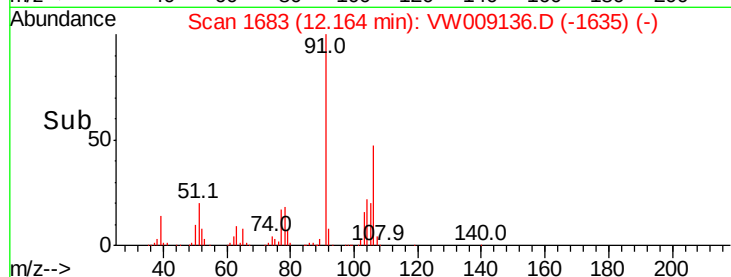
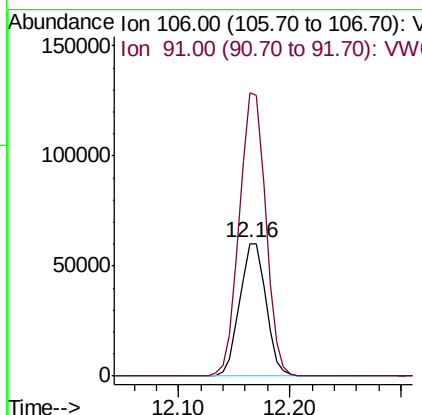
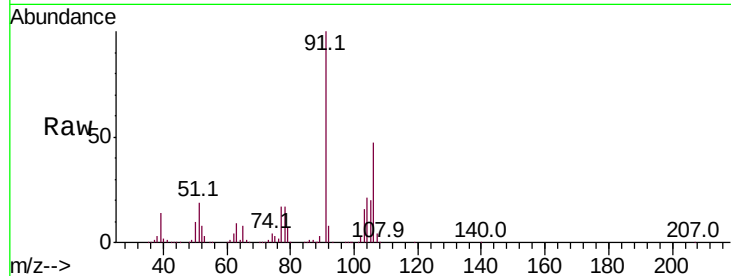
#69
o-Xylene
Concen: 20.008 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion:106 Resp: 99545
Ion Ratio Lower Upper
106 100
91 213.6 108.6 325.6

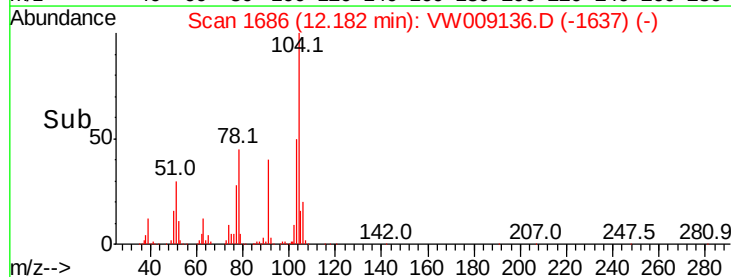
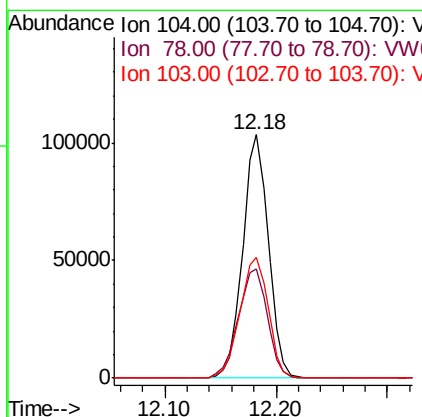
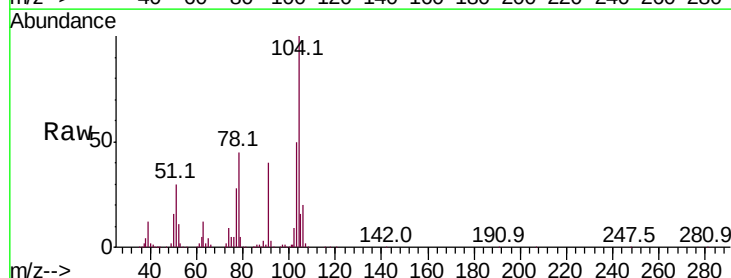
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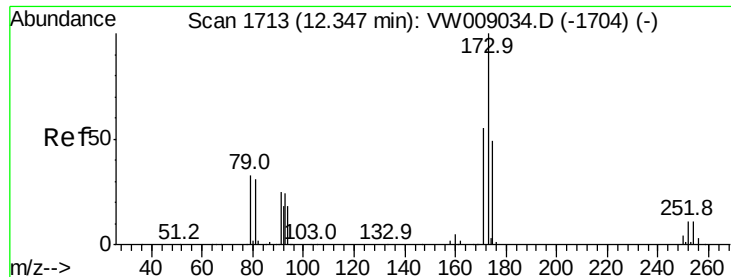
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#70
Styrene
Concen: 20.642 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:104 Resp: 166167
Ion Ratio Lower Upper
104 100
78 51.2 42.1 63.1
103 54.9 43.9 65.9





#71

Bromoform

Concen: 22.518 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

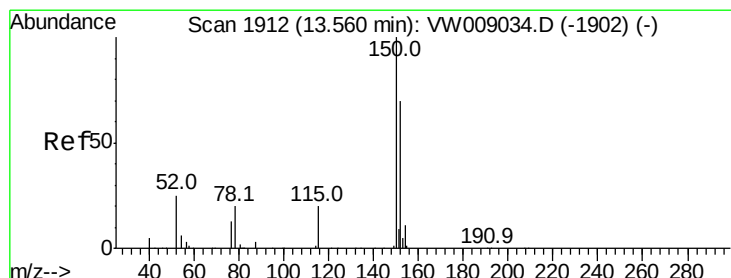
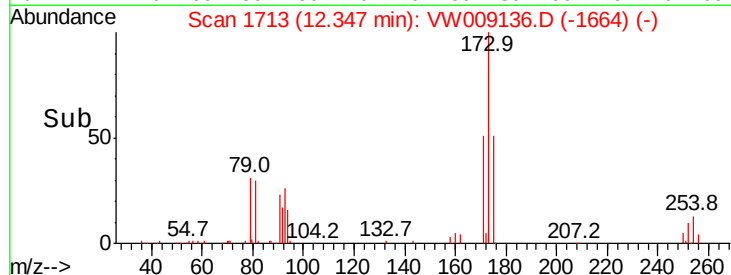
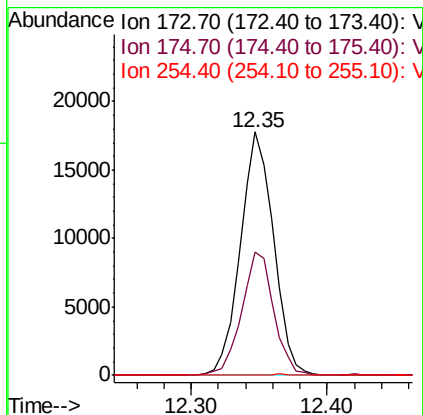
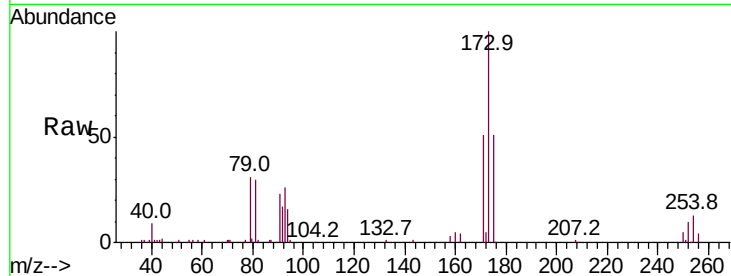
ClientSampleId :

VW0312SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.1	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

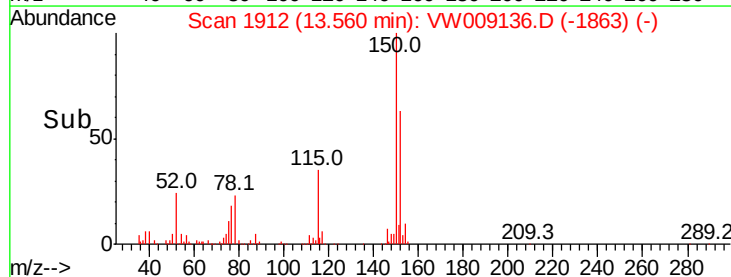
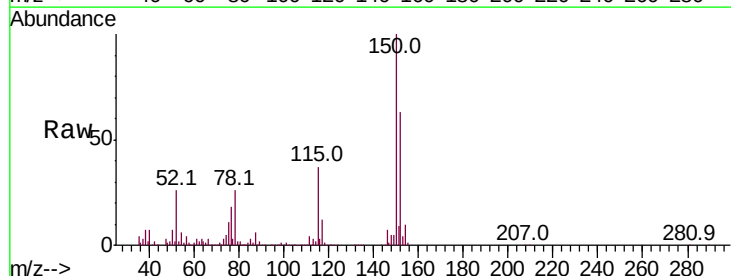
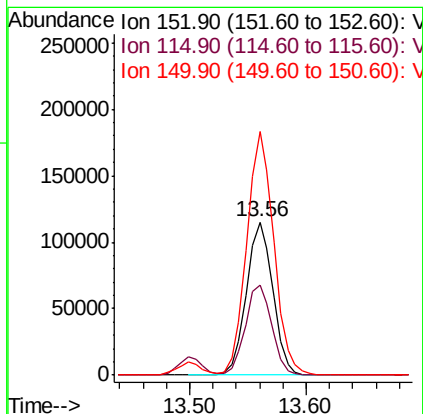
RT: 13.56 min Scan# 1912

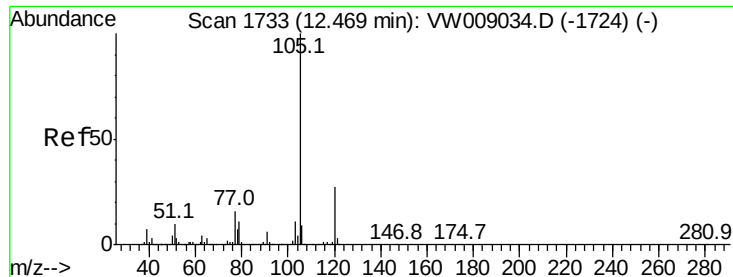
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.9	86.7
150	163.6	0.0	349.2





#73

Isopropylbenzene

Concen: 20.507 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion:105 Resp: 267218

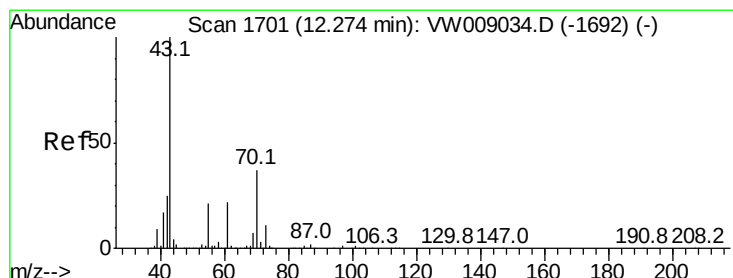
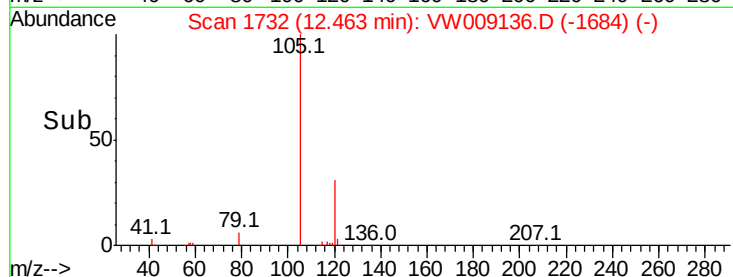
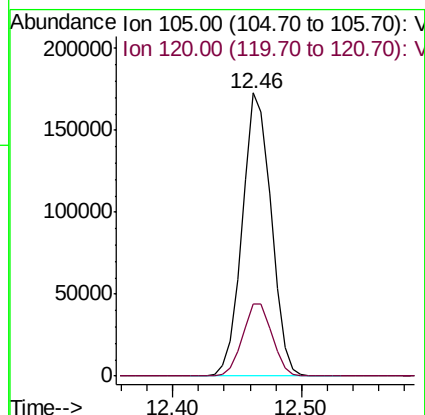
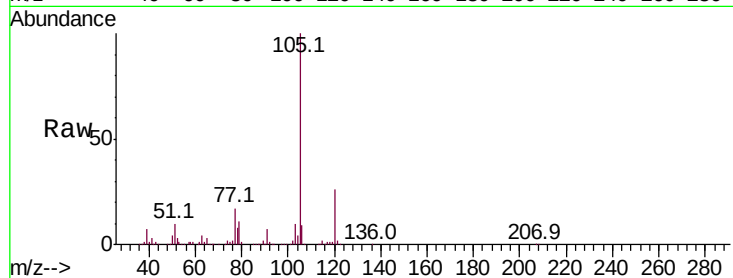
Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.905 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion: 43 Resp: 70657

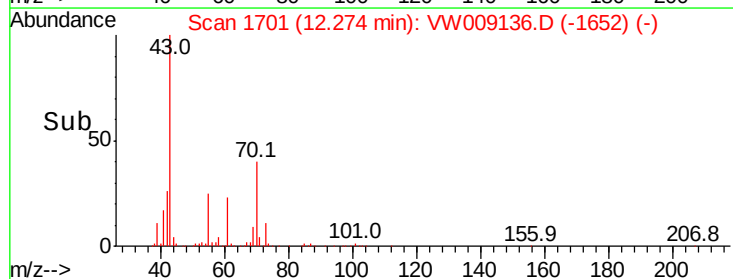
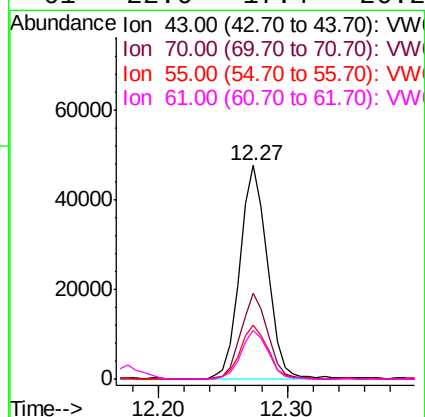
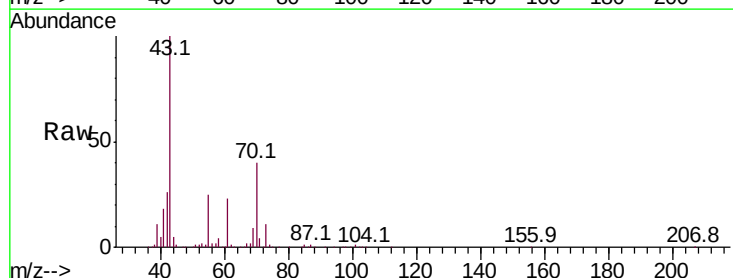
Ion Ratio Lower Upper

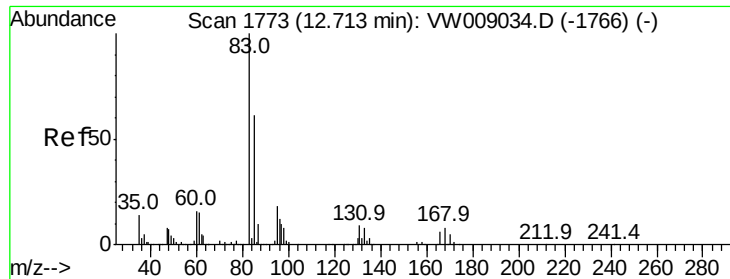
43 100

70 39.2 30.8 46.2

55 25.5 17.8 26.8

61 22.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 24.787 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

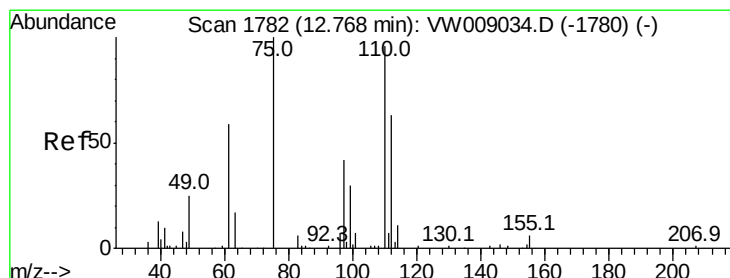
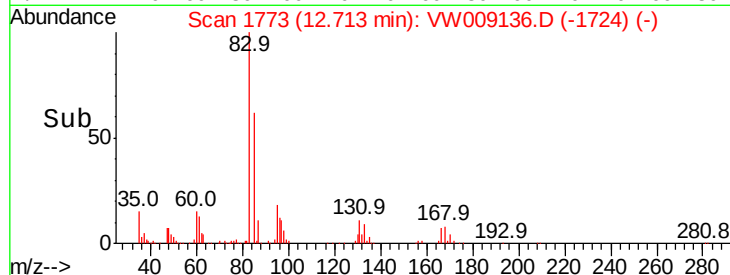
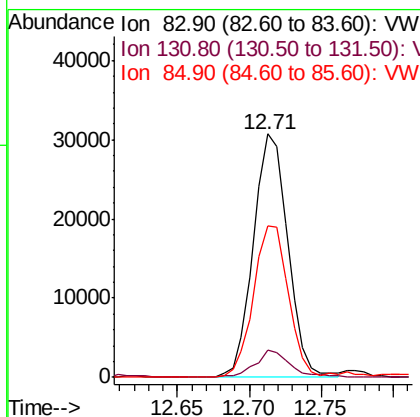
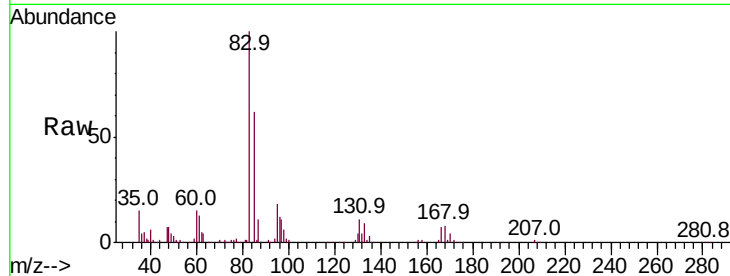
ClientSampleId :

VW0312SBS02

Tot Ion:	83	Resp:	50948
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.7
85	62.9	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 24.727 ug/l m

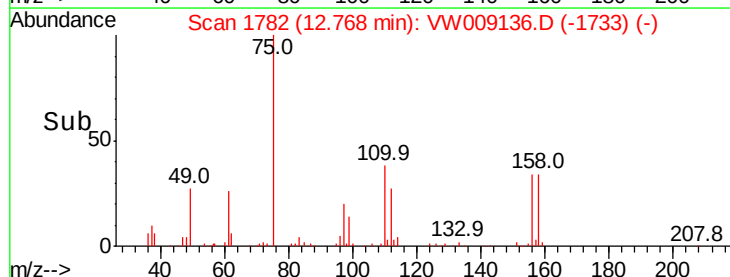
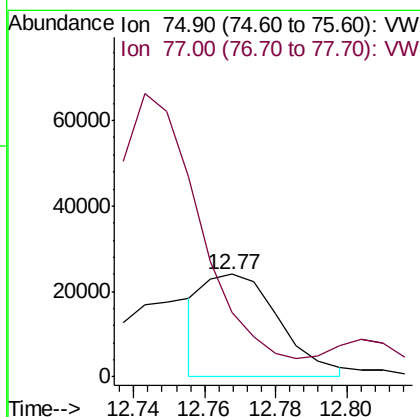
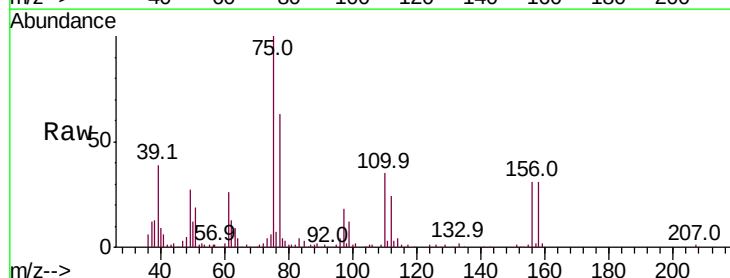
RT: 12.77 min Scan# 1782

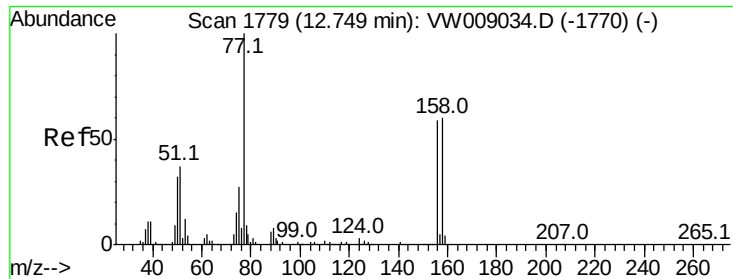
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	75	Resp:	35549
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 22.061 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

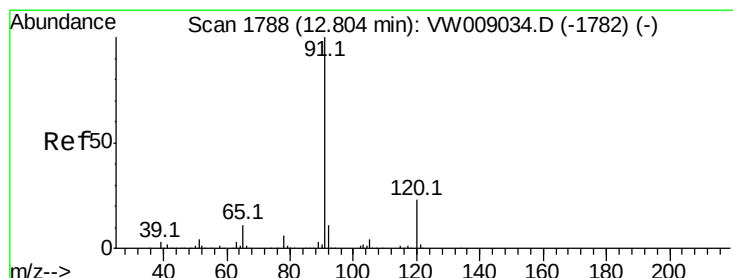
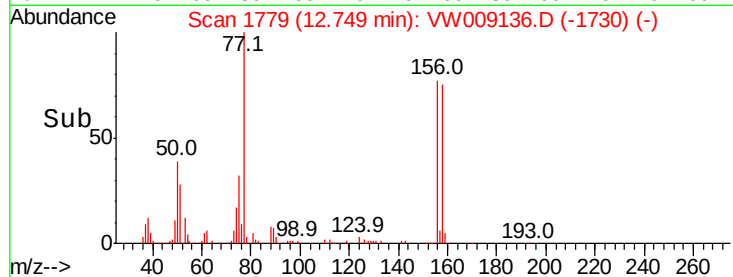
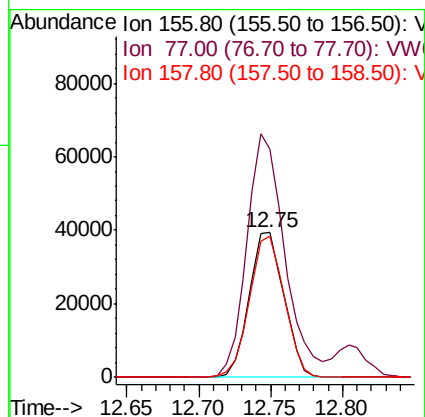
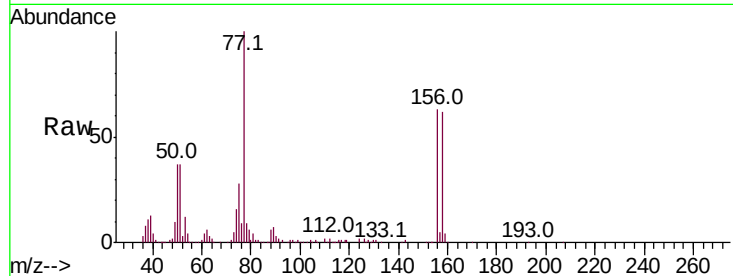
ClientSampleId :

VW0312SBS02

Tot Ion:	156	Resp:	65683
Ion	Ratio	Lower	Upper
156	100		
77	183.6	93.0	279.2
158	98.1	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.311 ug/l

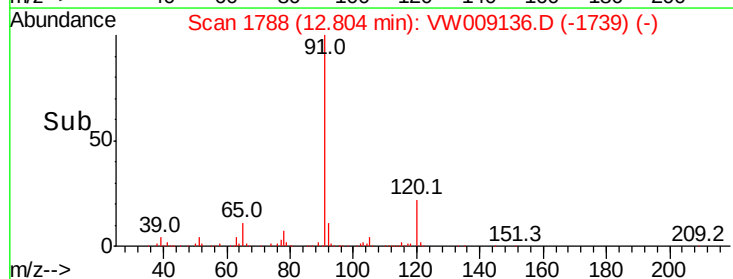
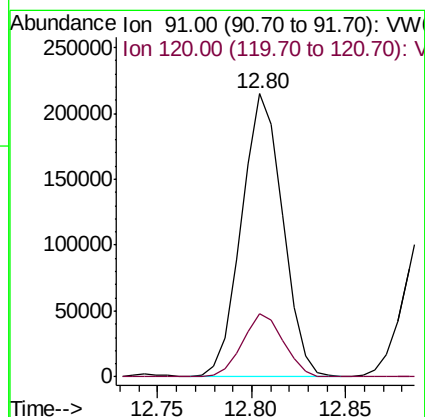
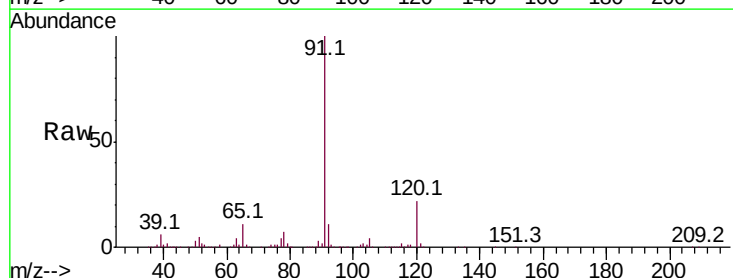
RT: 12.80 min Scan# 1788

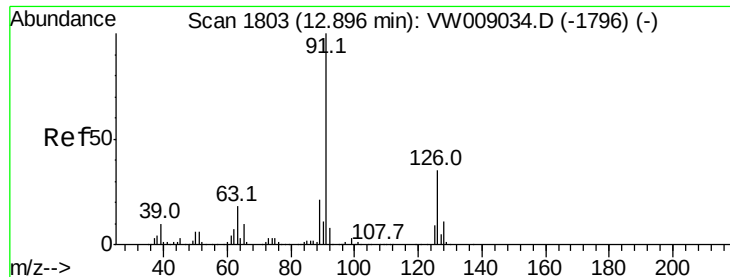
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	91	Resp:	326001
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.2





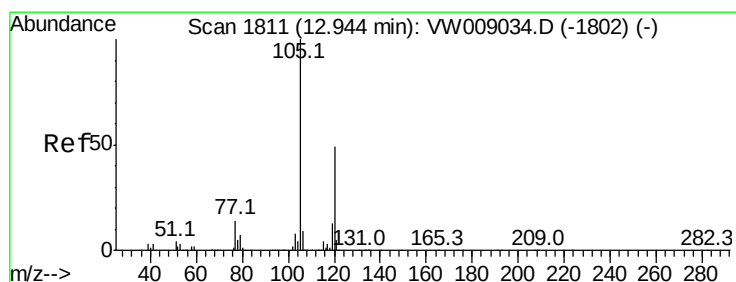
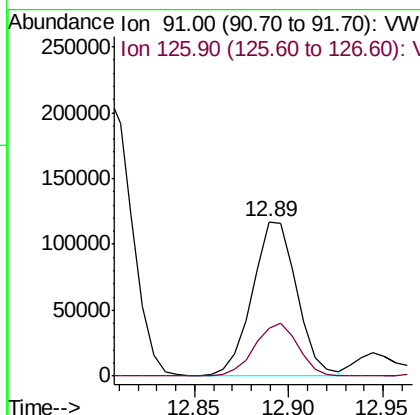
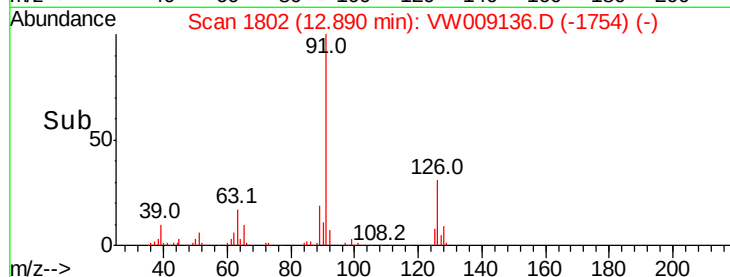
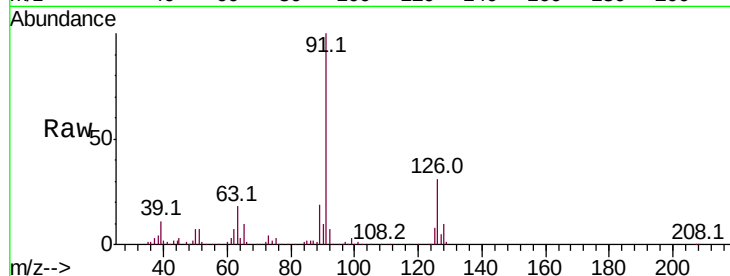
#79
2-Chlorotoluene
Concen: 21.308 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion: 91 Resp: 192150
Ion Ratio Lower Upper
91 100
126 33.7 16.8 50.4

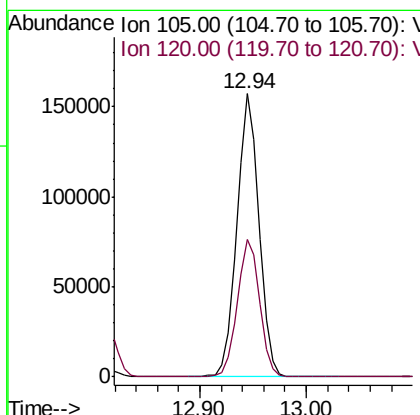
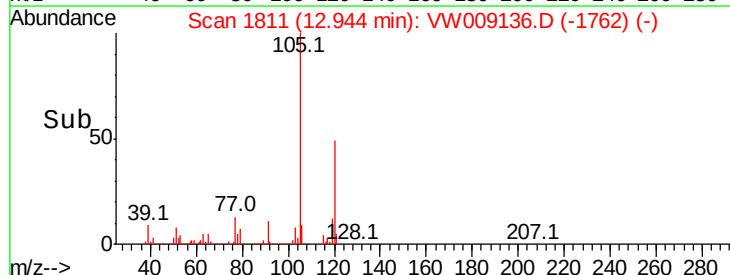
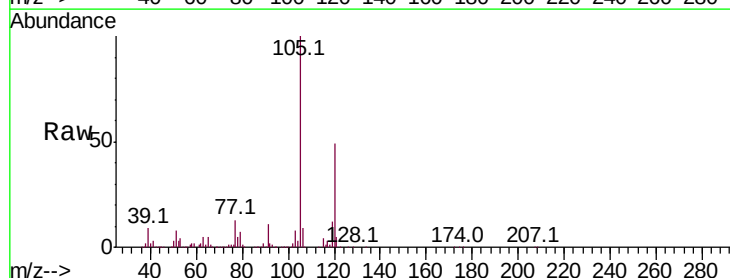
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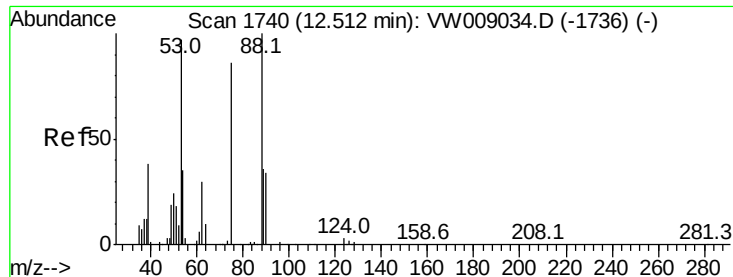
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3/14/2019 3:12:42 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.409 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion:105 Resp: 229242
Ion Ratio Lower Upper
105 100
120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.610 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

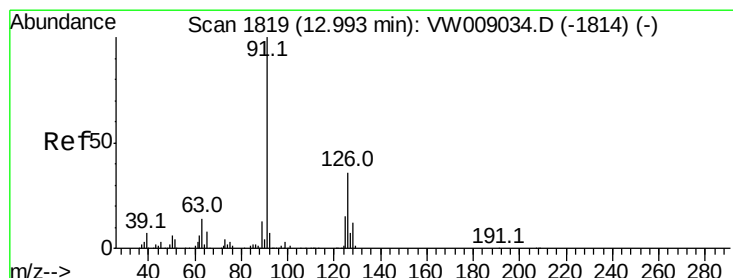
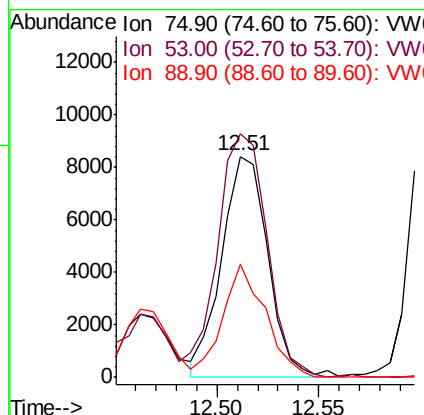
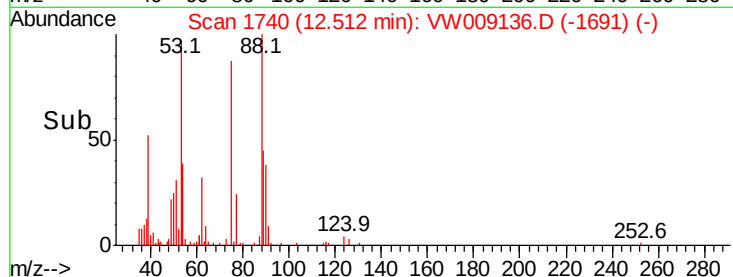
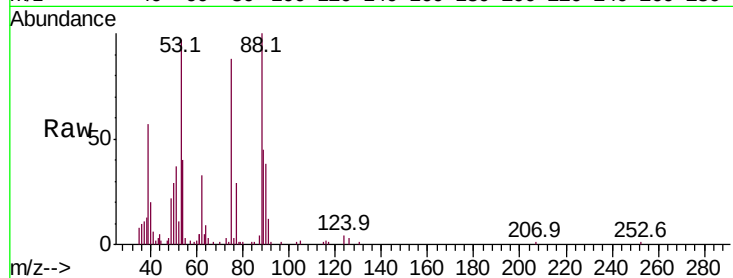
ClientSampleId :

VW0312SBS02

Tot Ion:	75	Resp:	13247
Ion	Ratio	Lower	Upper
75	100		
53	118.6	90.5	135.7
89	47.4	37.5	56.3

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3/14/2019 3:12:42 PM



#82

4-Chlorotoluene

Concen: 20.967 ug/l

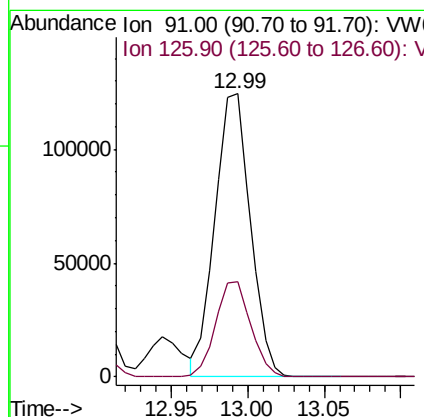
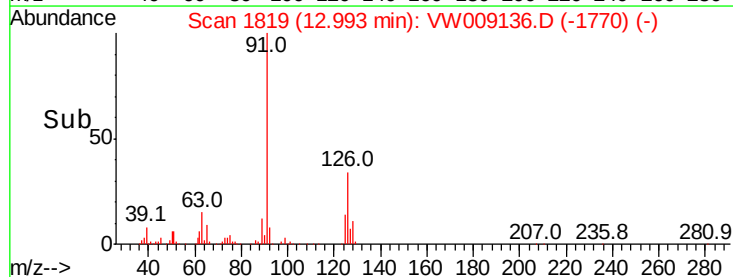
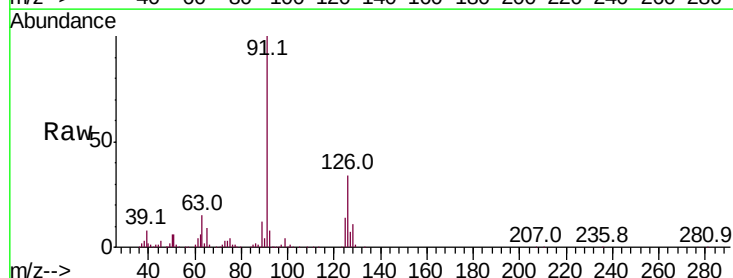
RT: 12.99 min Scan# 1819

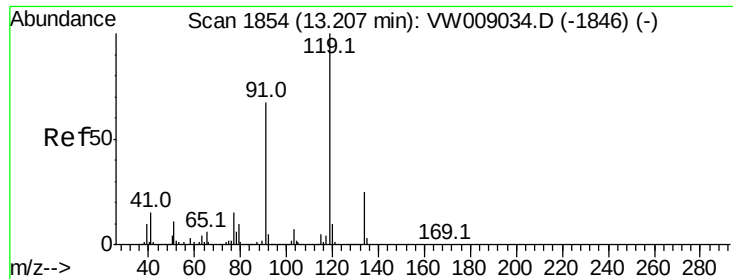
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	91	Resp:	201547
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8





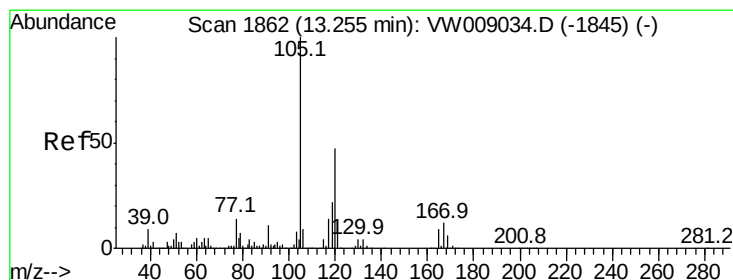
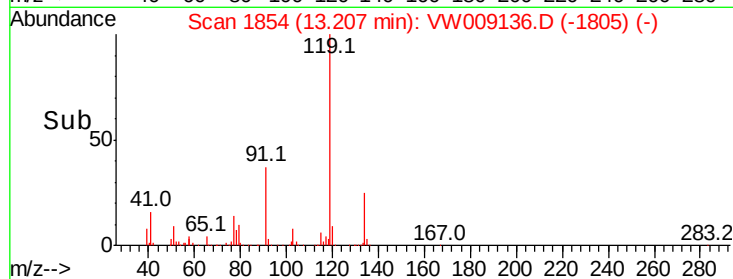
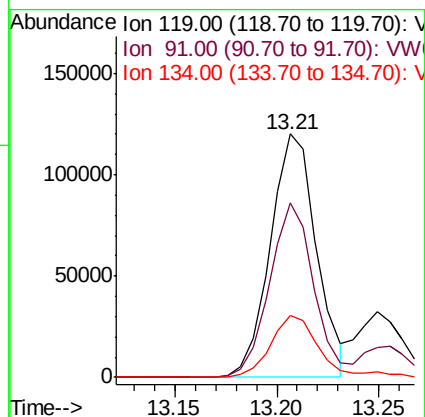
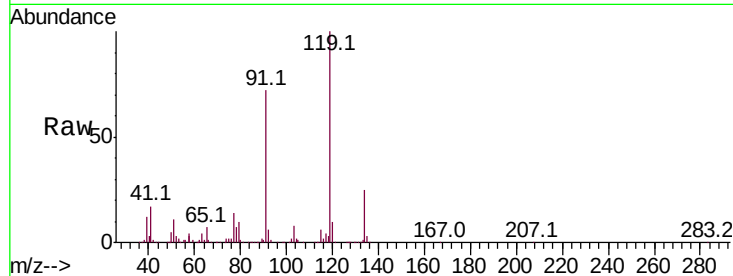
#83
 tert-Butylbenzene
 Concen: 20.014 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.2	102.5
134	27.0	13.9	41.6

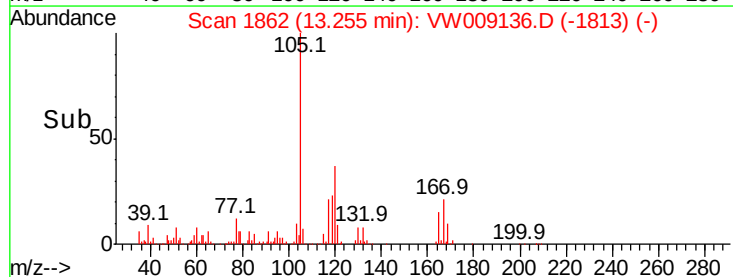
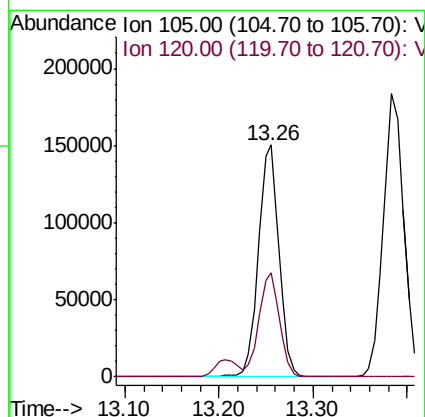
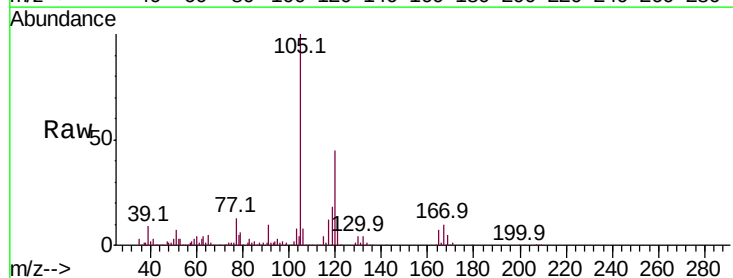
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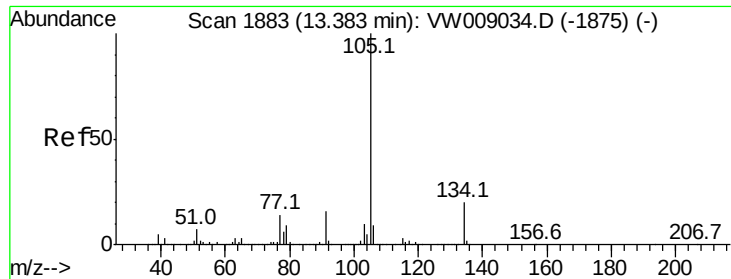
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.483 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.763 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS02

Tot Ion:105 Resp: 277385

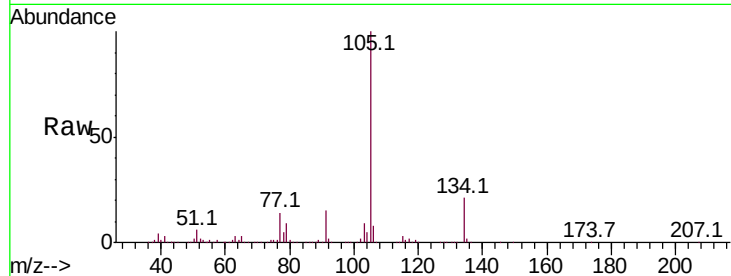
Ion Ratio Lower Upper

105 100

134 20.8 10.0 30.0

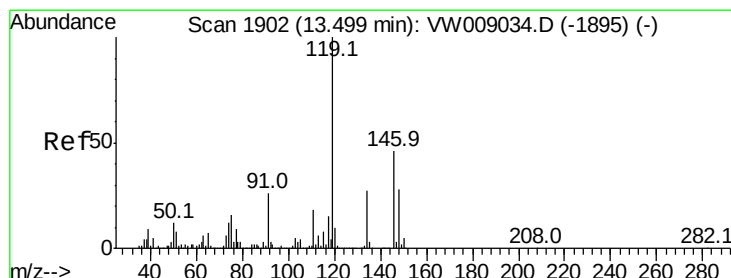
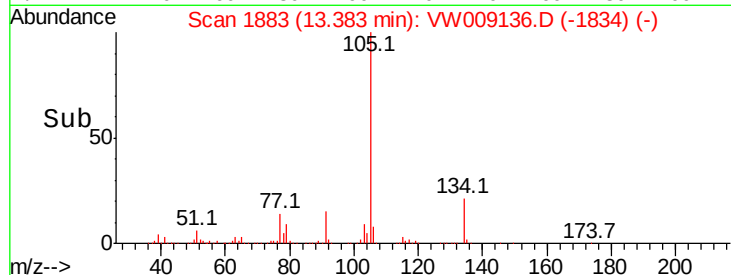
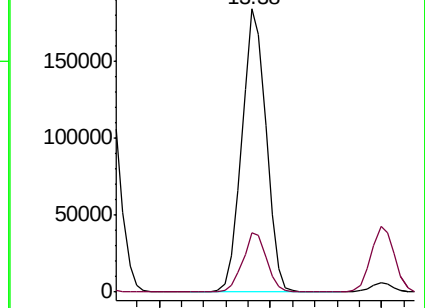
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.140 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

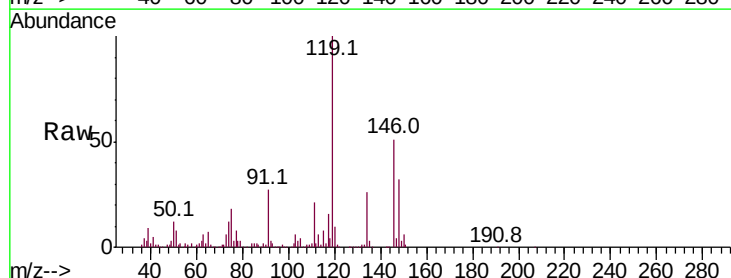
Tgt Ion:119 Resp: 240318

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

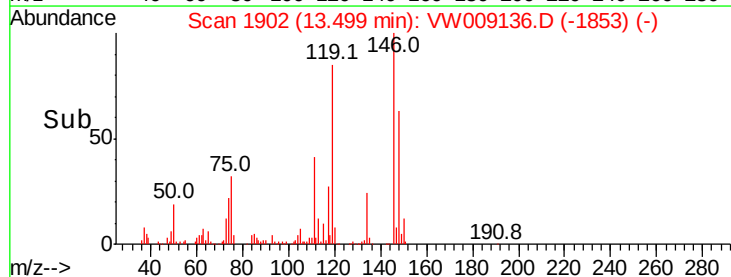
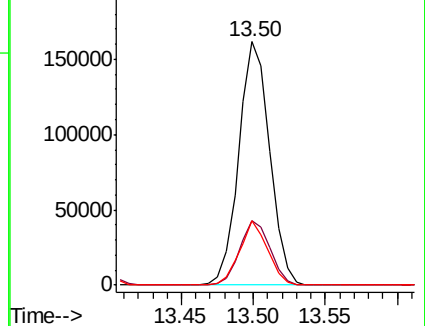
91 24.0 12.3 36.9

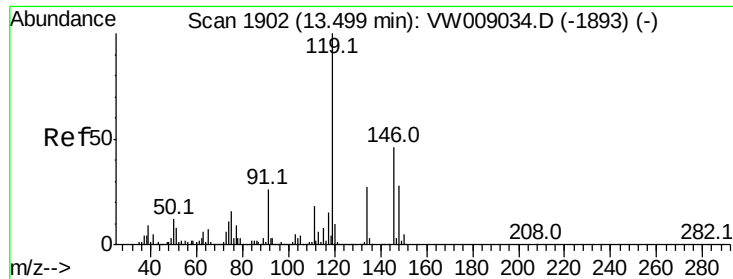


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.933 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

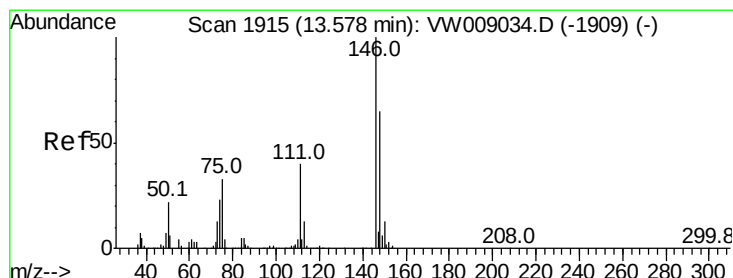
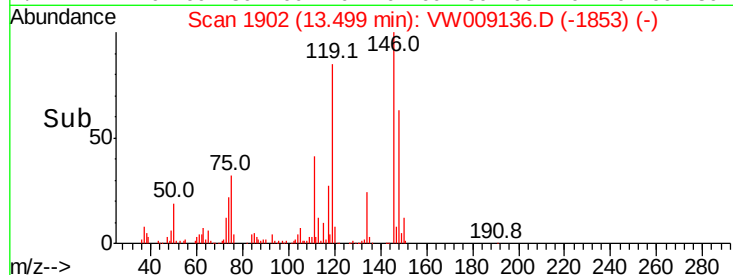
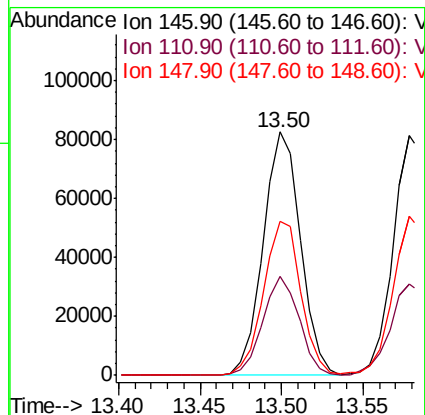
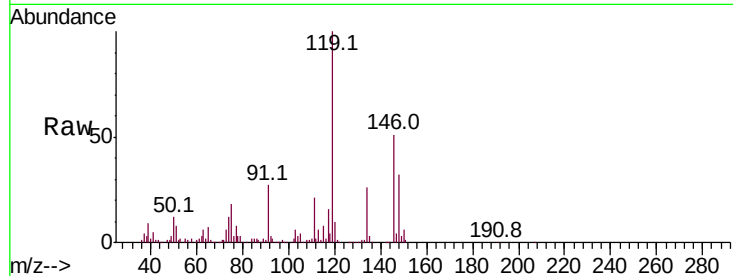
ClientSampleId :

VW0312SBS02

Tot Ion:	146	Resp:	130979
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.8	59.4
148	63.7	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 20.956 ug/l

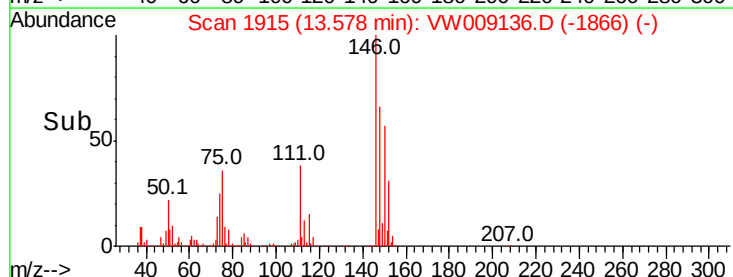
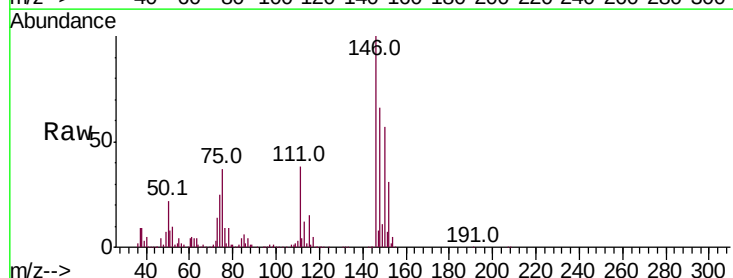
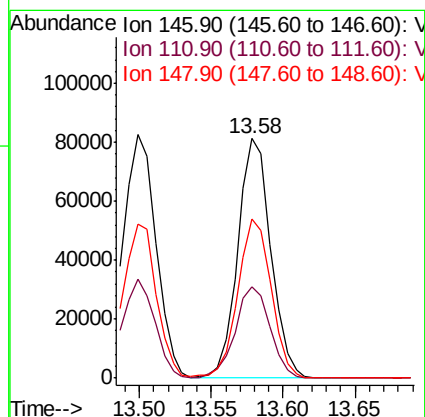
RT: 13.58 min Scan# 1915

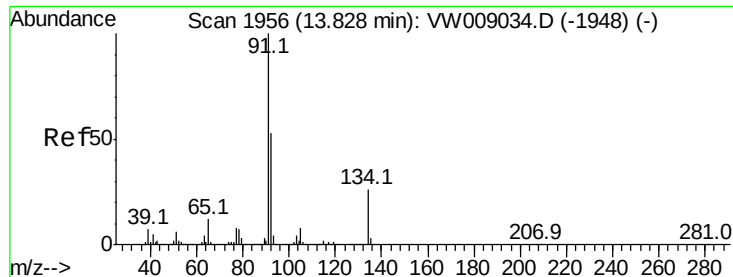
Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion:	146	Resp:	129585
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.7	59.0
148	67.3	32.2	96.6





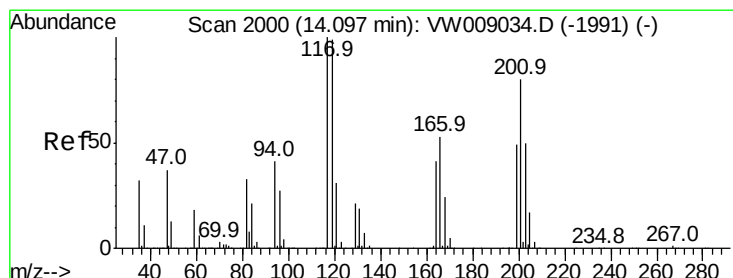
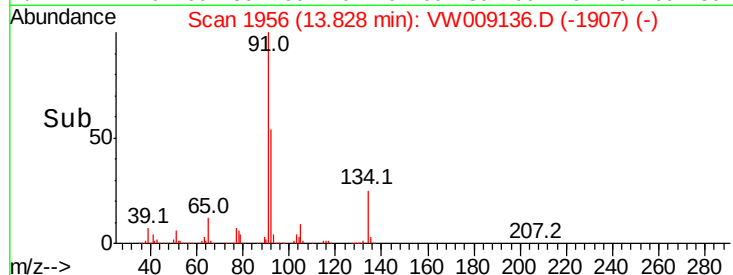
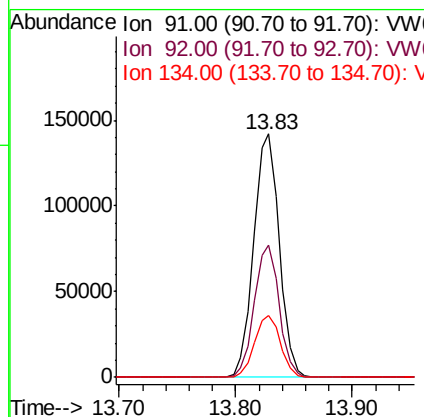
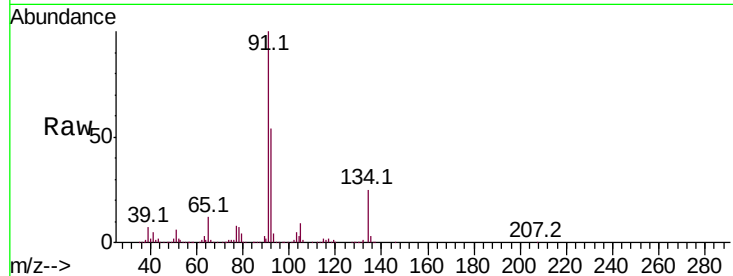
#89
n-Butylbenzene
Concen: 18.175 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	216939		
92	52.8		26.8	80.3
134	25.8		12.9	38.7

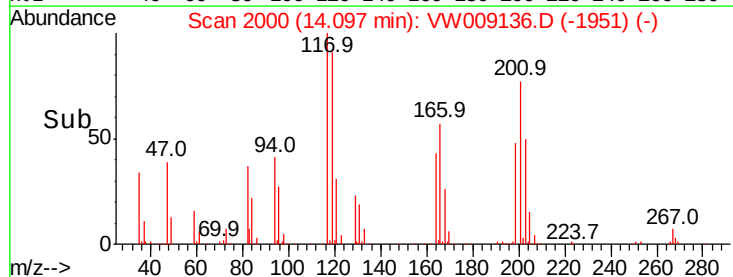
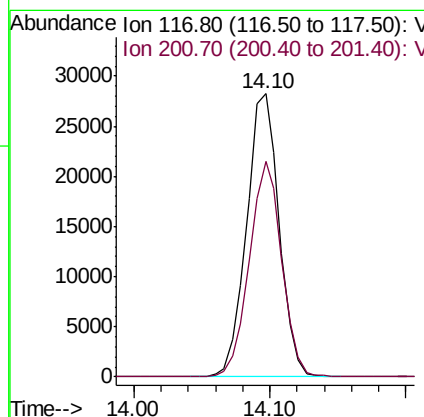
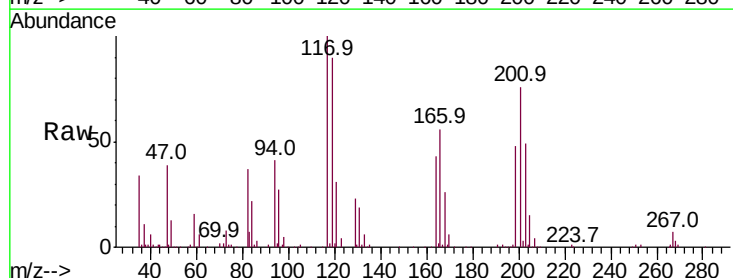
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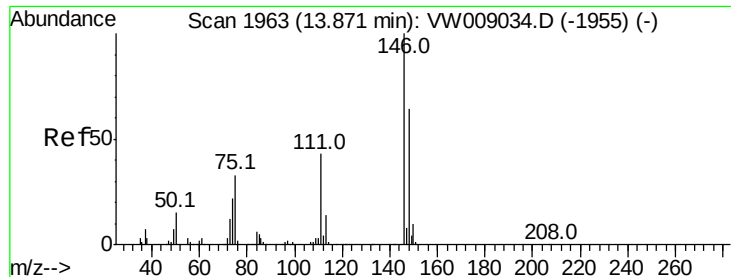
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#90
Hexachloroethane
Concen: 21.868 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009136.D
Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47354		
201	75.5		39.1	117.5





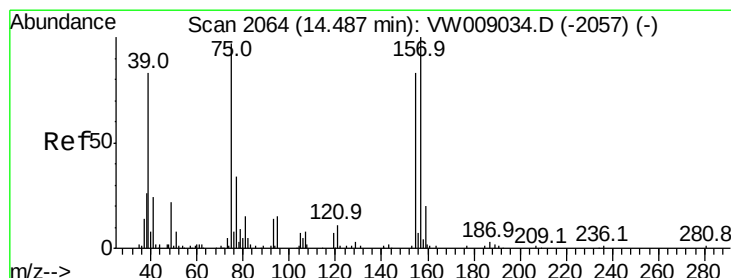
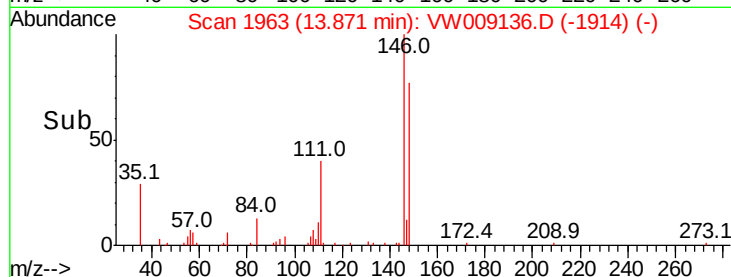
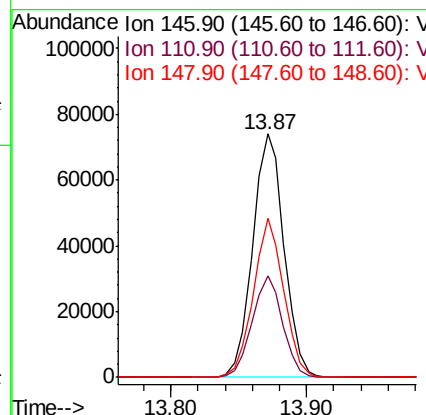
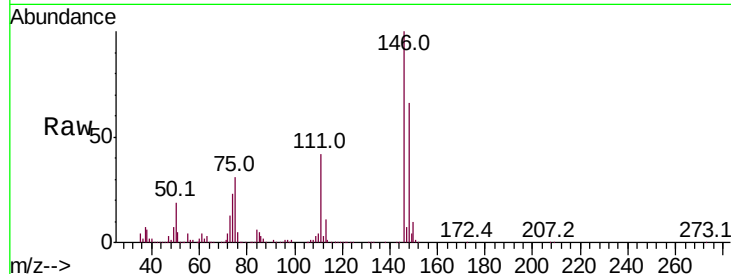
#91
 1,2-Dichlorobenzene
 Concen: 21.639 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.1
148	63.2	32.3	96.9

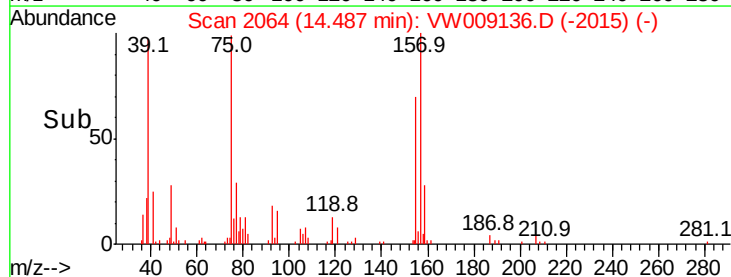
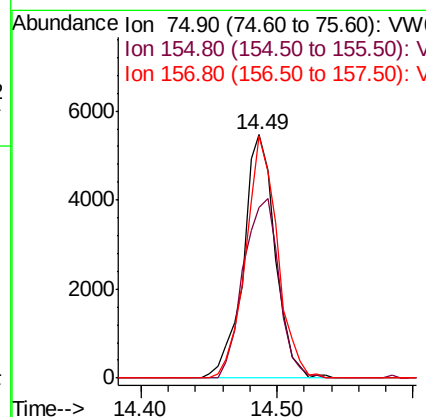
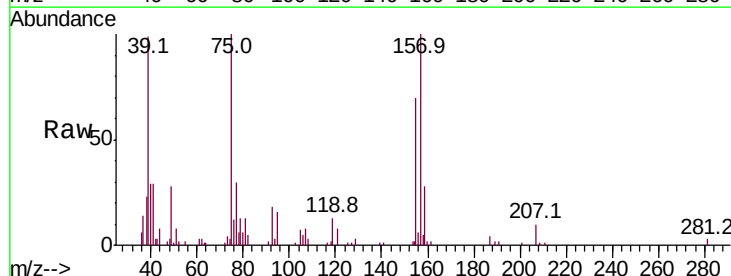
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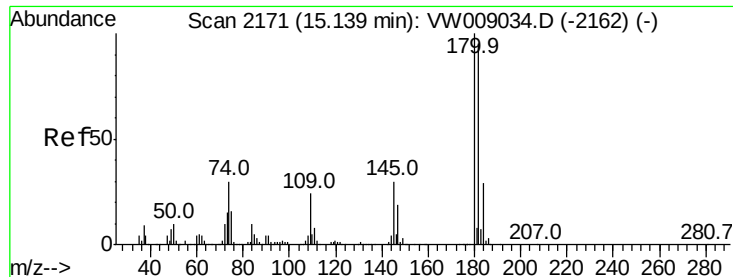
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.439 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	40.8	122.4
157	99.1	52.4	157.3





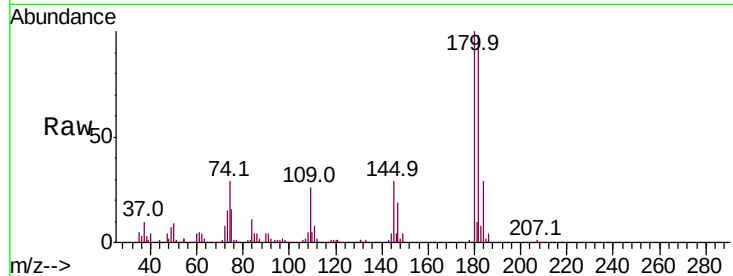
#93
 1,2,4-Trichlorobenzene
 Concen: 19.185 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS02

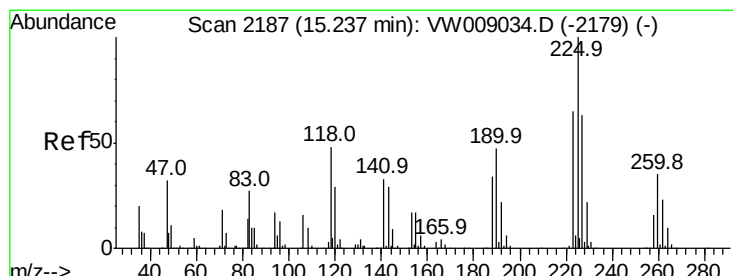
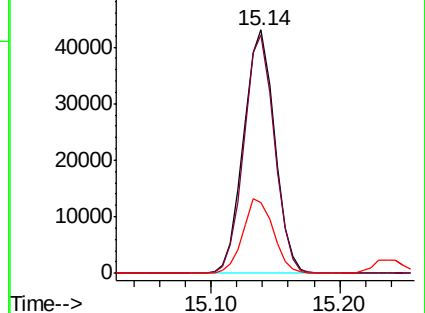
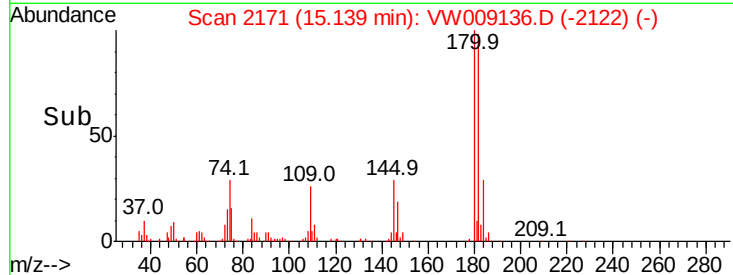
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	48.1	144.3	
145	30.0	15.4	46.1	

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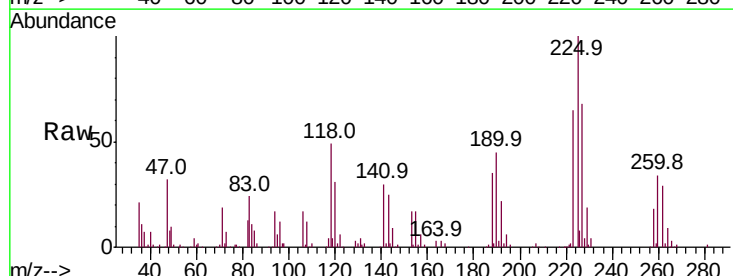


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

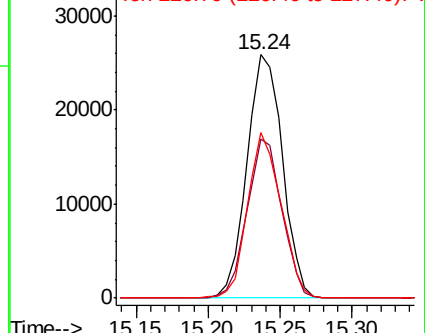
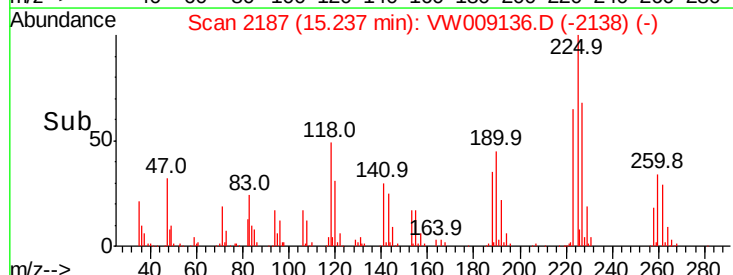


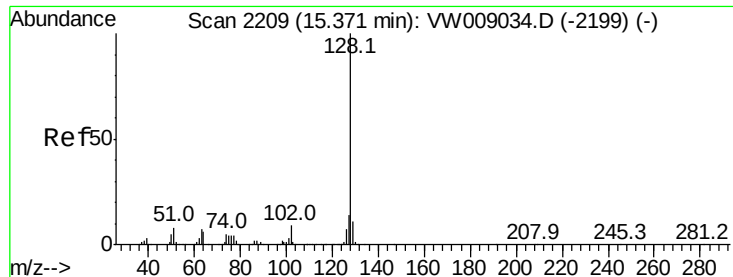
#94
 Hexachlorobutadiene
 Concen: 18.899 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW009136.D
 Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.6	94.8	
227	64.0	32.0	96.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.750 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Instrument :

MSVOA_W

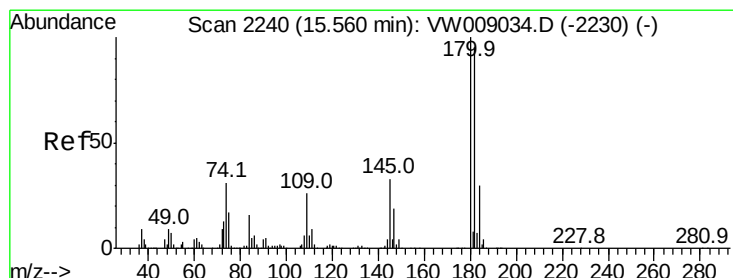
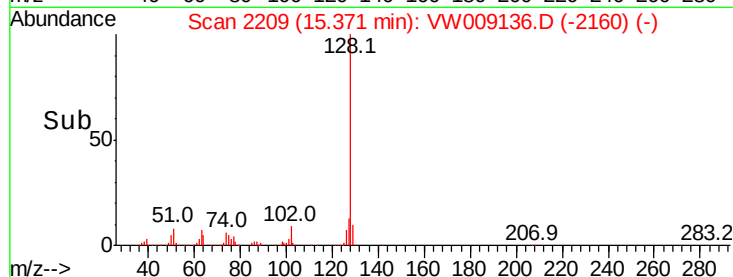
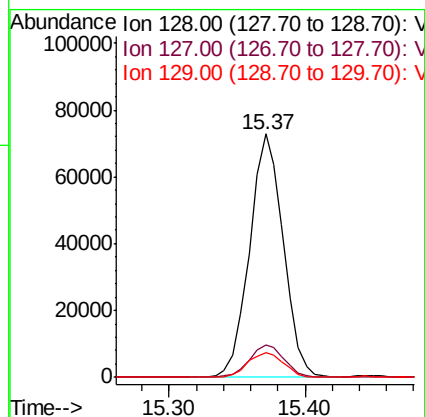
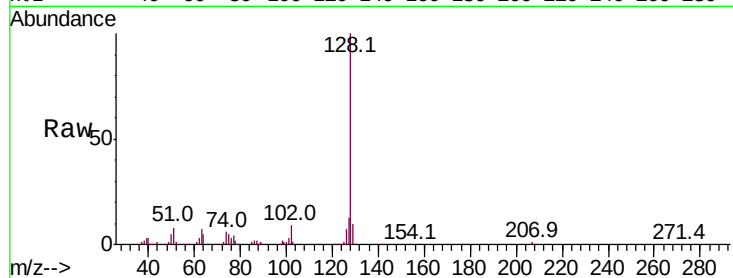
ClientSampleId :

VW0312SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126639		
127	13.8		11.0	16.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:12:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.686 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009136.D

Acq: 13 Mar 2019 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67816		
182	92.3		48.1	144.3
145	30.9		15.8	47.3

