

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009157.D
 Acq On : 13 Mar 2019 16:00
 Operator : SY/VA
 Sample : VW0313SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 12:43:42 PM

Quant Time: Mar 14 05:34:45 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	279370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147453	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	122978	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.32	98	516055	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.62	95	200822	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	61487	21.839	ug/l 100
3) Chloromethane	2.21	50	76371	21.352	ug/l 97
4) Vinyl Chloride	2.36	62	75826	20.890	ug/l 100
5) Bromomethane	2.76	94	65010	21.218	ug/l 97
6) Chloroethane	2.91	64	53626	20.753	ug/l 99
7) Trichlorofluoromethane	3.26	101	98977	21.178	ug/l 100
8) Diethyl Ether	3.68	74	28536	19.969	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59704	20.511	ug/l 99
10) Methyl Iodide	4.28	142	52178	18.660	ug/l 98
11) Tert butyl alcohol	5.18	59	19379	89.973	ug/l 95
12) 1,1-Dichloroethene	4.04	96	52434	20.883	ug/l 96
13) Acrolein	3.90	56	21501	90.716	ug/l 98
14) Allyl chloride	4.67	41	91421	20.642	ug/l 96
15) Acrylonitrile	5.37	53	65293	104.688	ug/l 99
16) Acetone	4.13	43	66899	105.475	ug/l 98
17) Carbon Disulfide	4.38	76	165846	19.632	ug/l 98
18) Methyl Acetate	4.68	43	30556	20.950	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	140515	21.156	ug/l 100
20) Methylene Chloride	4.92	84	65713	18.618	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	58280	20.103	ug/l 96
22) Diisopropyl ether	6.31	45	189834	21.569	ug/l 96
23) Vinyl Acetate	6.26	43	594380	108.522	ug/l 100
24) 1,1-Dichloroethane	6.22	63	106971	20.954	ug/l 99
25) 2-Butanone	7.18	43	92697	105.750	ug/l 99
26) 2,2-Dichloropropane	7.17	77	97321	20.973	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	65320	20.979	ug/l 99
28) Bromochloromethane	7.51	49	46944	22.108	ug/l 93
29) Tetrahydrofuran	7.53	42	55657	100.756	ug/l 99
30) Chloroform	7.68	83	109857	20.902	ug/l 99
31) Cyclohexane	7.96	56	109707	20.929	ug/l 97
32) 1,1,1-Trichloroethane	7.87	97	102651	21.163	ug/l 98
36) 1,1-Dichloropropene	8.08	75	89903	21.354	ug/l 99
37) Ethyl Acetate	7.26	43	41185	20.826	ug/l 98
38) Carbon Tetrachloride	8.07	117	92885	21.363	ug/l 96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	100565	20.054	ug/l	94
40) Benzene	8.32	78	235752	20.977	ug/l	99
41) Methacrylonitrile	7.48	41	21020	19.141	ug/l	98
42) 1,2-Dichloroethane	8.40	62	77127	21.257	ug/l	100
43) Isopropyl Acetate	8.43	43	76916	20.883	ug/l	99
44) Trichloroethene	9.09	130	65470	20.784	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59712	21.213	ug/l	99
46) Dibromomethane	9.46	93	32120	20.894	ug/l	97
47) Bromodichloromethane	9.65	83	81853	21.034	ug/l	95
48) Methyl methacrylate	9.43	41	35090	20.461	ug/l	93
49) 1,4-Dioxane	9.46	88	8176	371.406	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	201348	107.683	ug/l	99
52) Toluene	10.39	92	156648	20.552	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	81583	21.197	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94508	21.368	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43802	21.022	ug/l	98
56) Ethyl methacrylate	10.65	69	53501	20.689	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78438	21.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	144049	107.453	ug/l	98
59) 2-Hexanone	10.97	43	142337	108.271	ug/l	97
60) Dibromochloromethane	11.13	129	53375	20.699	ug/l	100
61) 1,2-Dibromoethane	11.23	107	41126	20.134	ug/l	97
64) Tetrachloroethene	10.87	164	57539	20.521	ug/l	93
65) Chlorobenzene	11.66	112	171934	20.317	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	60179	21.297	ug/l	98
67) Ethyl Benzene	11.73	91	314572	20.576	ug/l	100
68) m/p-Xylenes	11.84	106	246347	40.823	ug/l	100
69) o-Xylene	12.16	106	116010	20.661	ug/l	97
70) Styrene	12.18	104	186233	20.500	ug/l	99
71) Bromoform	12.35	173	30759	20.273	ug/l #	100
73) Isopropylbenzene	12.46	105	317137	20.945	ug/l	100
74) N-amyl acetate	12.27	43	76387	21.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51758	21.671	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19389m	11.607	ug/l	
77) Bromobenzene	12.75	156	71657	20.713	ug/l	98
78) n-propylbenzene	12.80	91	393158	21.081	ug/l	99
79) 2-Chlorotoluene	12.90	91	222179	21.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	268246	20.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16113	21.574	ug/l	96
82) 4-Chlorotoluene	12.99	91	234002	20.950	ug/l	100
83) tert-Butylbenzene	13.21	119	230277	20.920	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274463	20.788	ug/l	100
85) sec-Butylbenzene	13.38	105	338772	20.772	ug/l	99
86) p-Isopropyltoluene	13.50	119	301235	20.647	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	151882	20.890	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	150342	20.924	ug/l	99
89) n-Butylbenzene	13.83	91	286162	20.632	ug/l	99
90) Hexachloroethane	14.10	117	51643	20.524	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	132936	20.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8789	20.661	ug/l	98

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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	15.13	180	89869	20.745	ug/l	96
94) Hexachlorobutadiene	15.24	225	57581	21.220	ug/l	98
95) Naphthalene	15.37	128	144427	20.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76436	20.065	ug/l	100

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

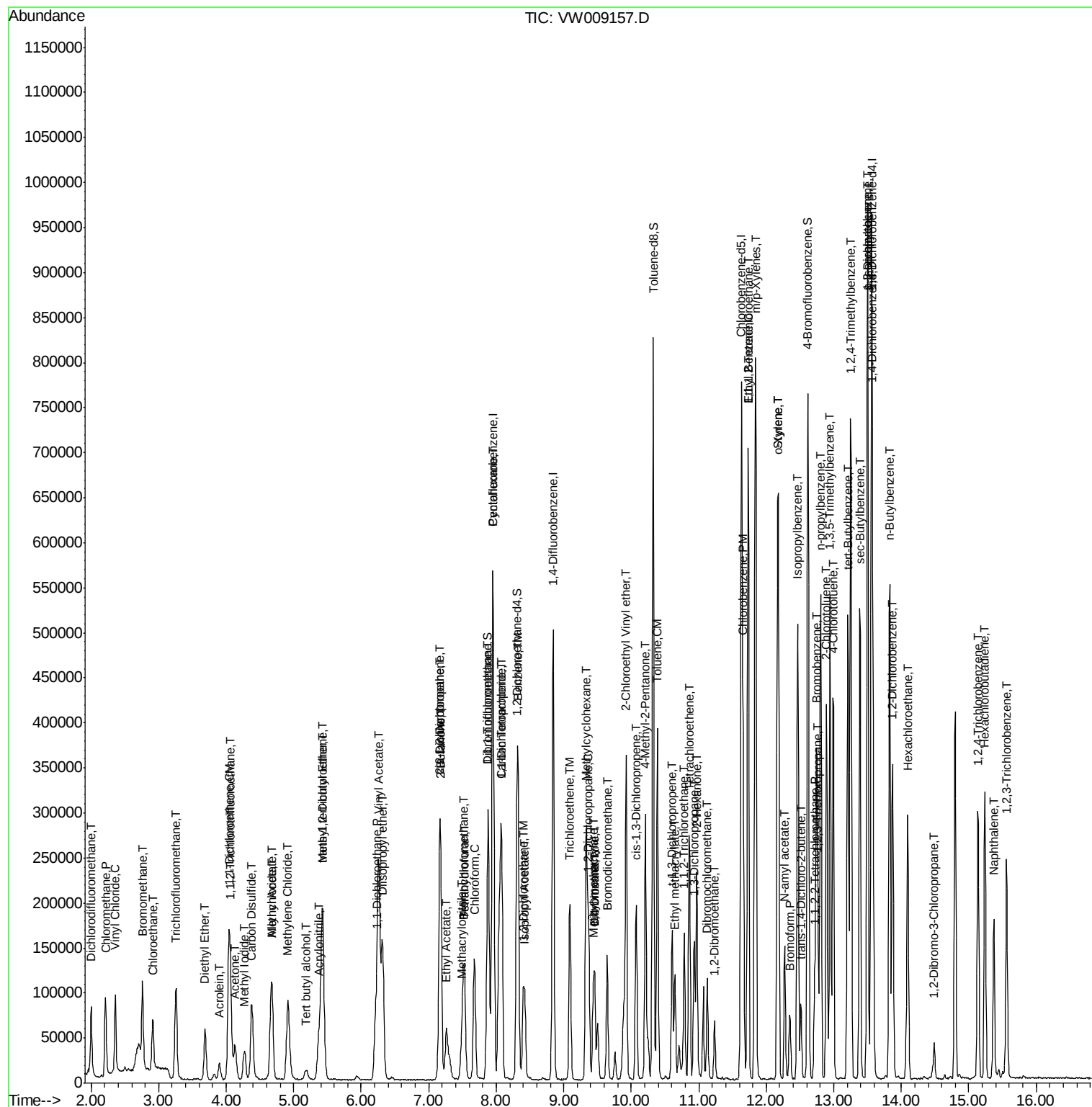
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 Data File : VW009157.D
 Acq On : 13 Mar 2019 16:00
 Operator : SY/VA
 Sample : VW0313SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
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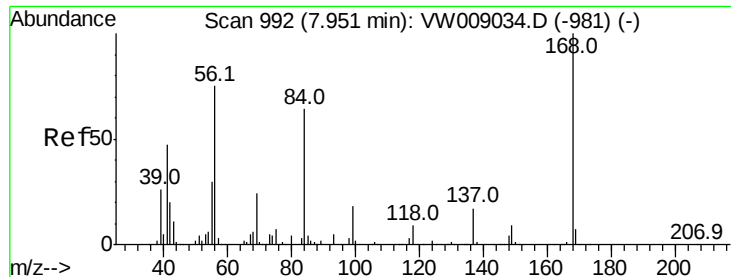
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion:168 Resp: 279370

Ion Ratio Lower Upper

168 100

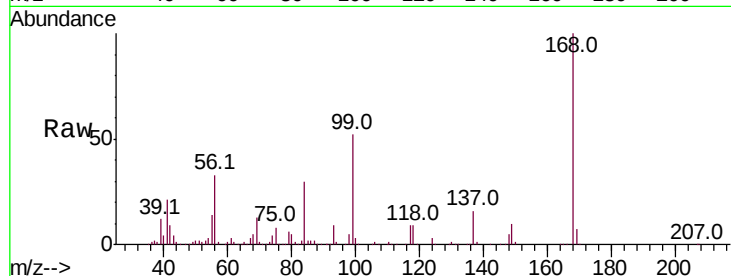
99 51.5 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

7.95

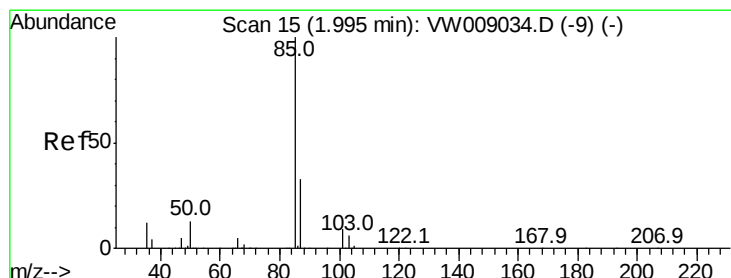
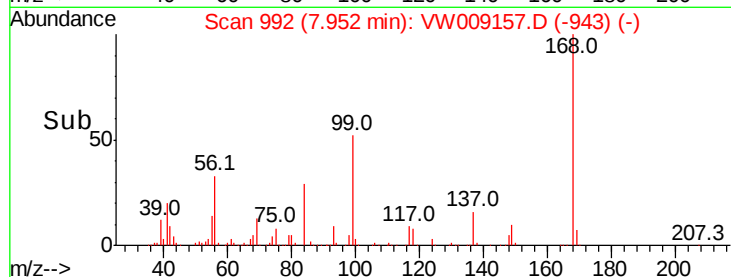
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.839 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009157.D

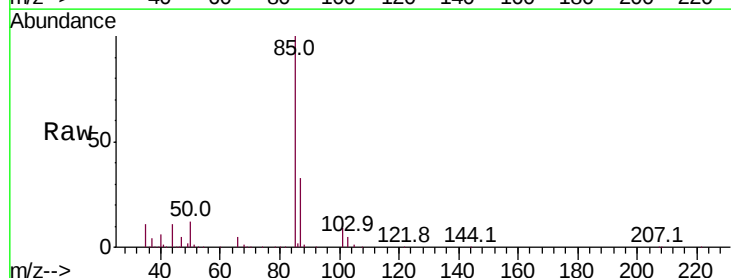
Acq: 13 Mar 2019 16:00

Tgt Ion: 85 Resp: 61487

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

2.00

30000

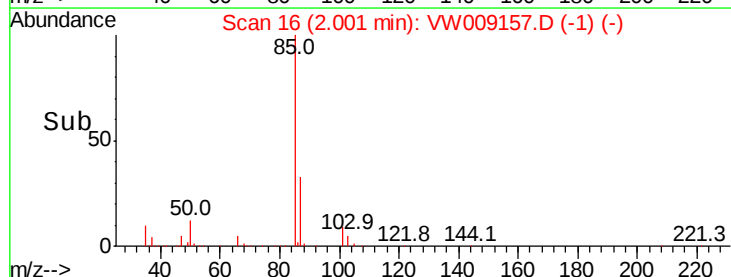
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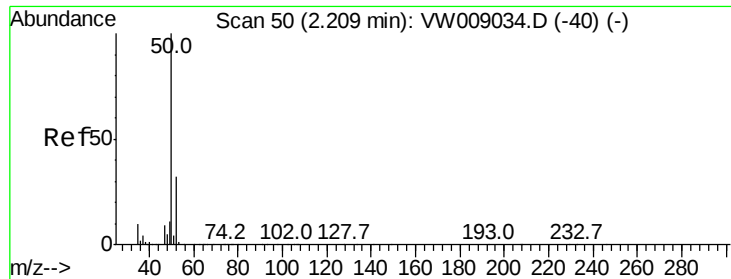
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.352 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBSD01

Tot Ion: 50 Resp: 76371

Ion Ratio Lower Upper

50 100

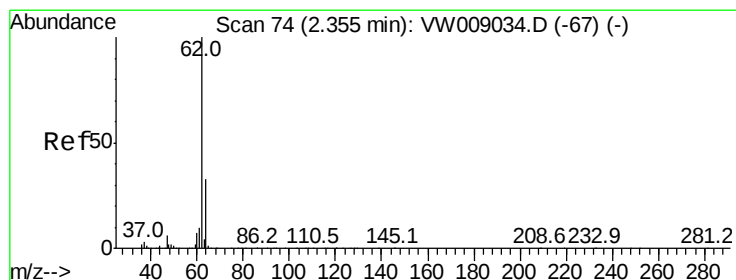
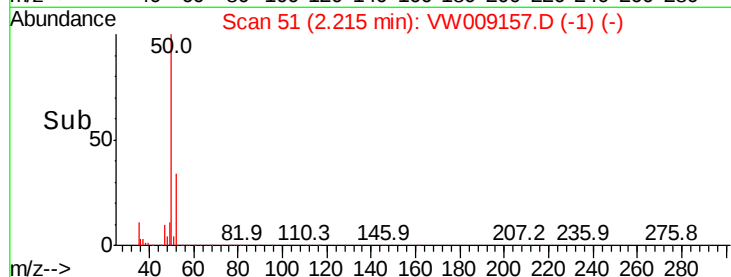
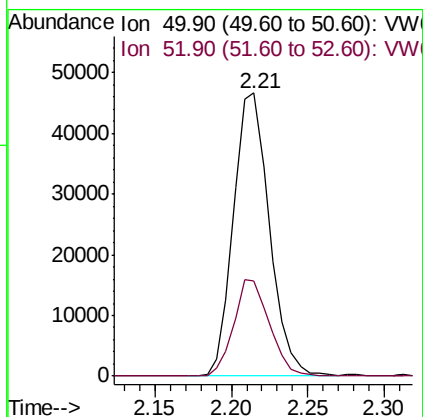
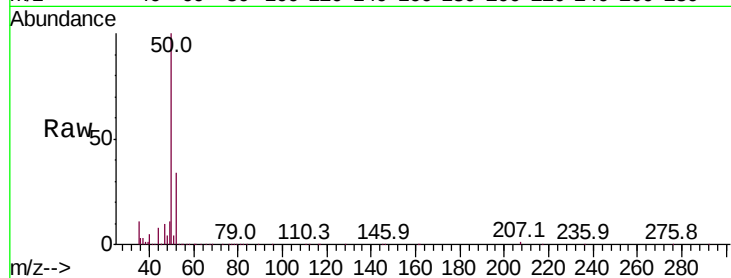
52 33.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.890 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009157.D

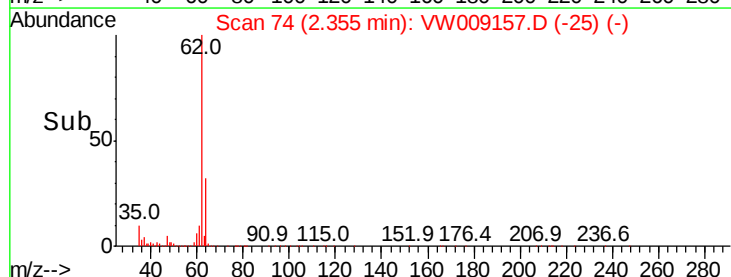
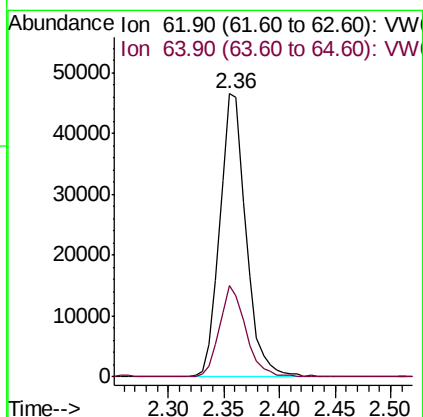
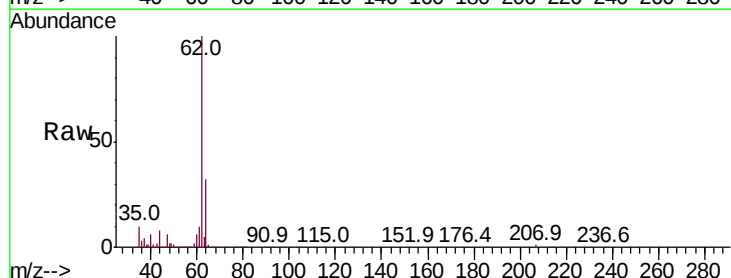
Acq: 13 Mar 2019 16:00

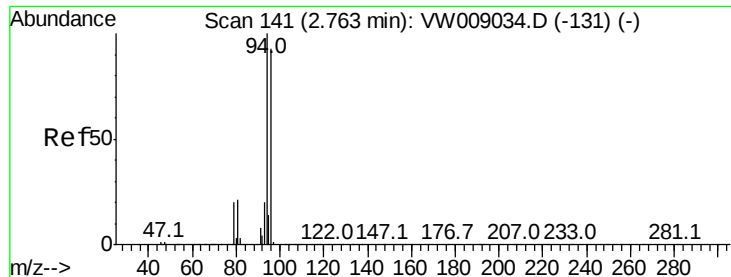
Tgt Ion: 62 Resp: 75826

Ion Ratio Lower Upper

62 100

64 32.2 26.0 39.0





#5

Bromomethane

Concen: 21.218 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBSD01

Tot Ion: 94 Resp: 65010

Ion Ratio Lower Upper

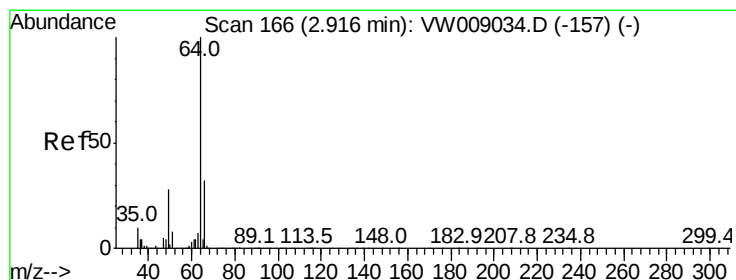
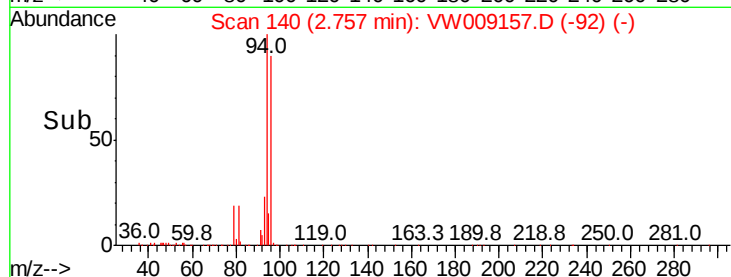
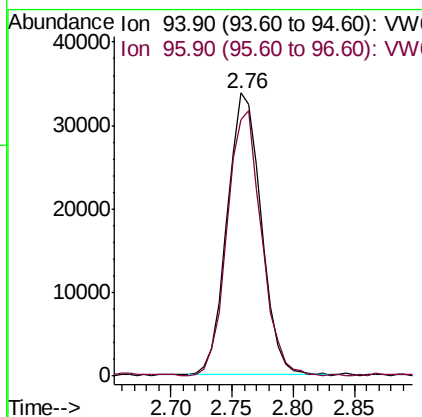
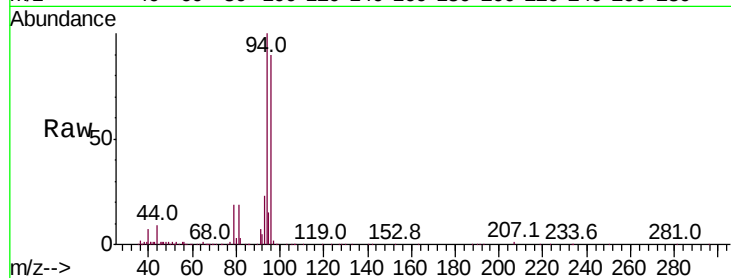
94 100

96 90.5 74.4 111.6

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#6

Chloroethane

Concen: 20.753 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009157.D

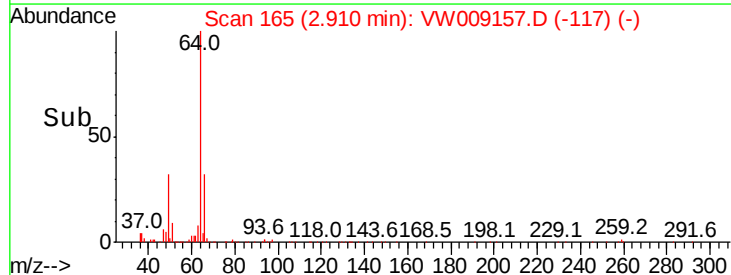
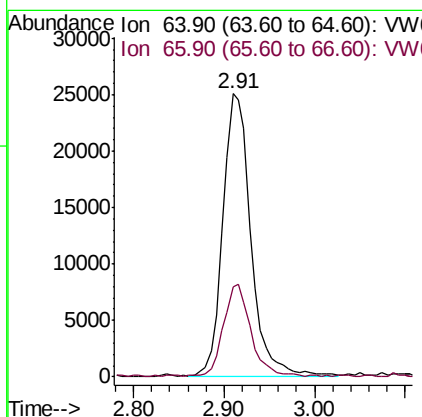
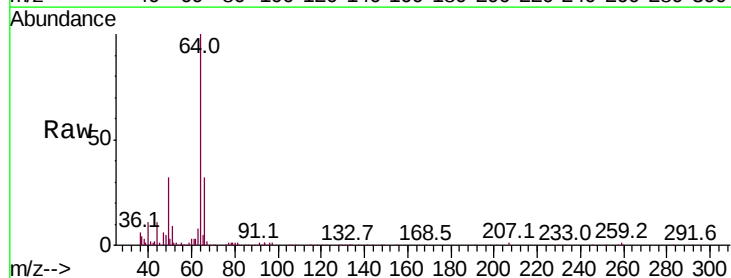
Acq: 13 Mar 2019 16:00

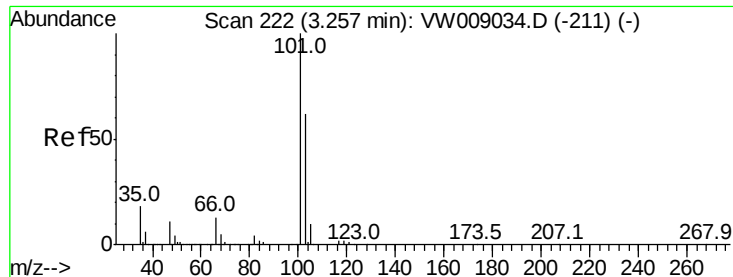
Tgt Ion: 64 Resp: 53626

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

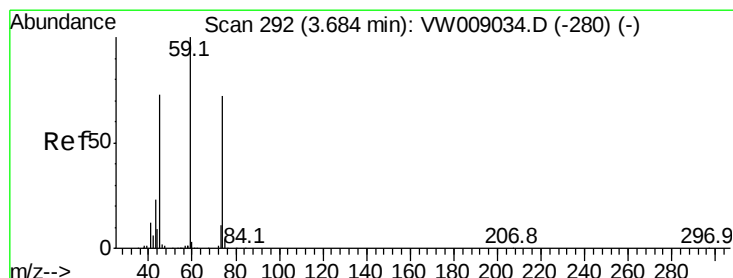
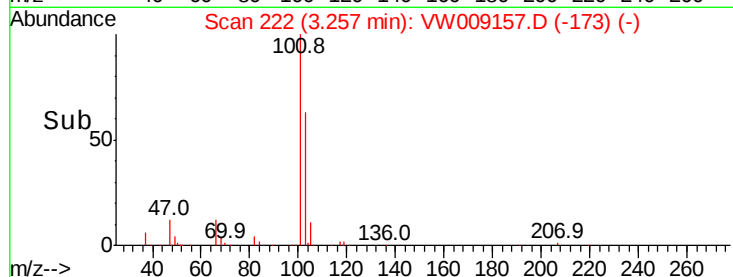
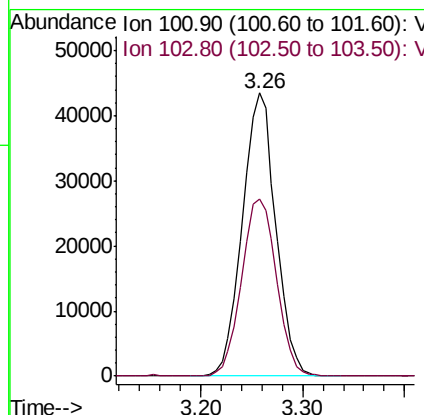
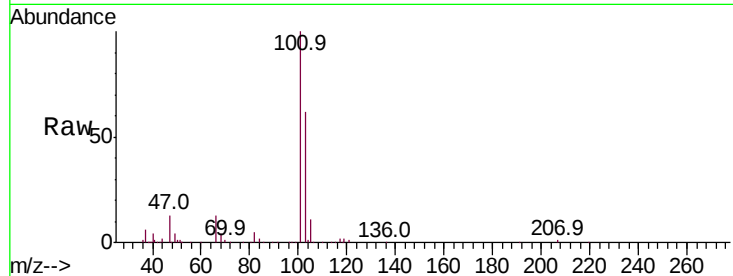
Trichlorofluoromethane
 Concen: 21.178 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.9	74.9

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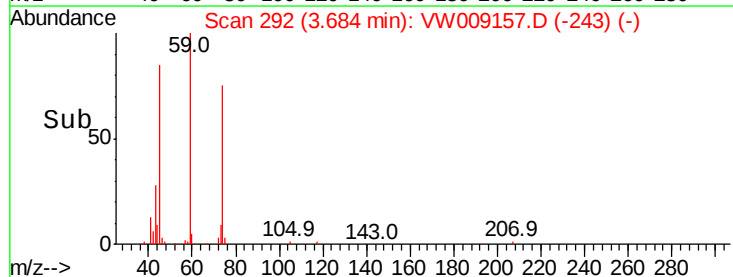
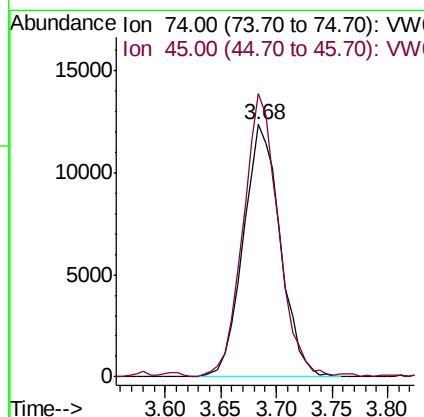
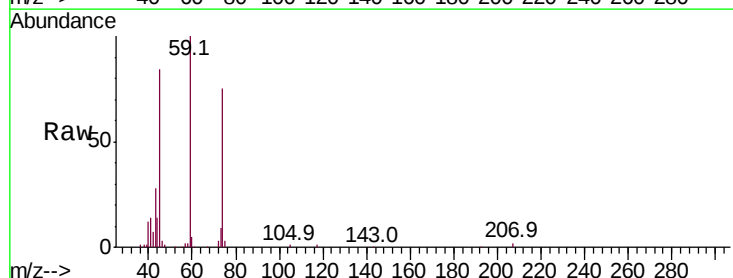
MMDadoda
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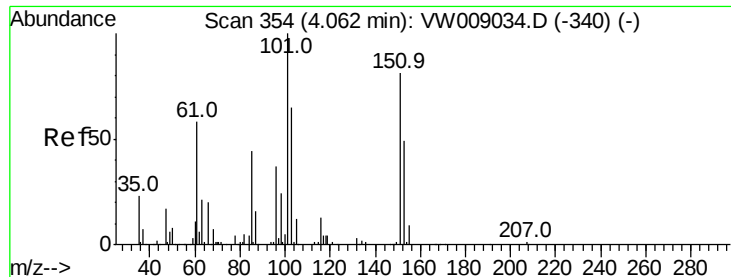


#8

Diethyl Ether
 Concen: 19.969 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

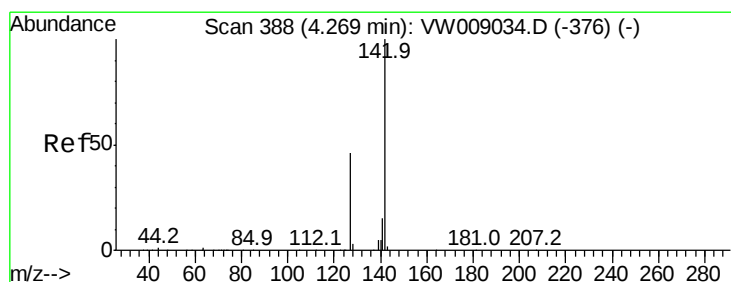
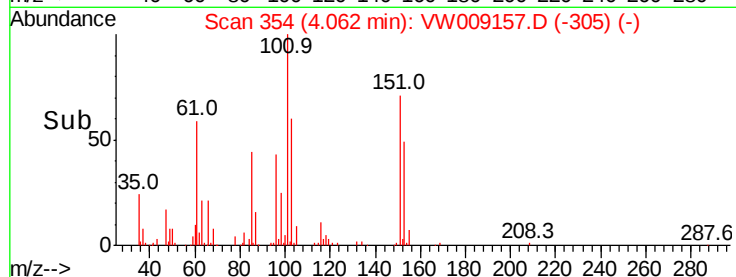
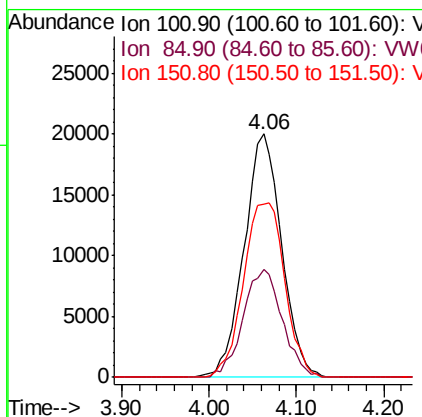
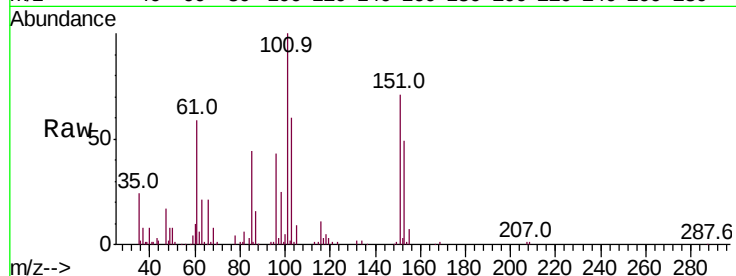
ClientSampleId :

VW0313SBSD01

Tot Ion:	101	Resp:	59704
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.2	54.4
151	79.0	63.4	95.2

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#10

Methyl Iodide

Concen: 18.660 ug/l

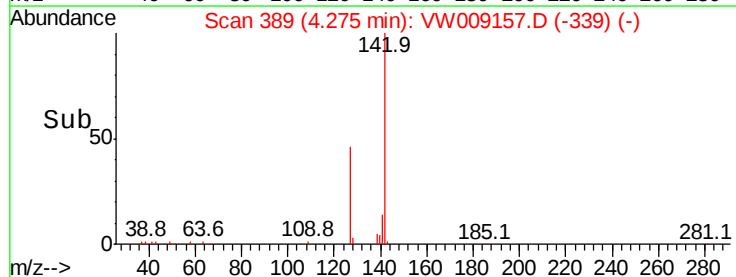
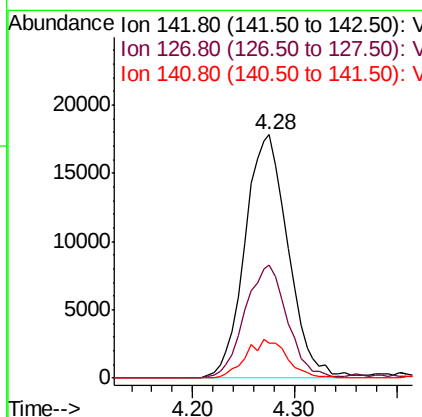
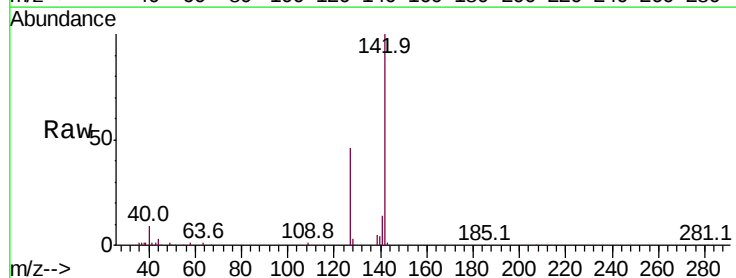
RT: 4.28 min Scan# 389

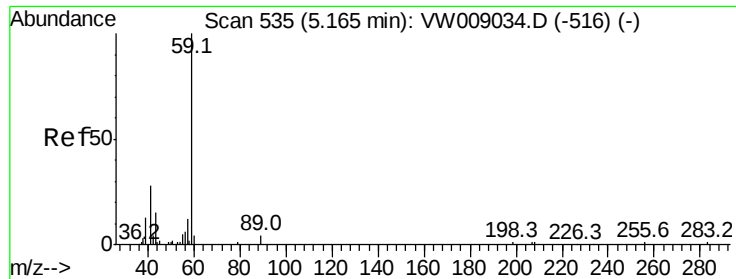
Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	142	Resp:	52178
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.8	53.6
141	15.3	11.8	17.8





#11

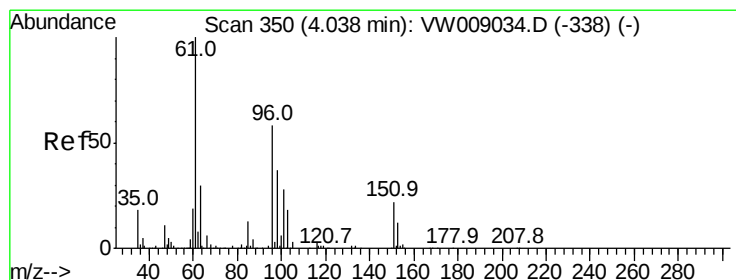
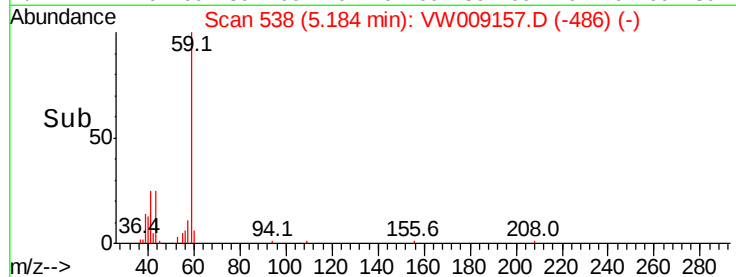
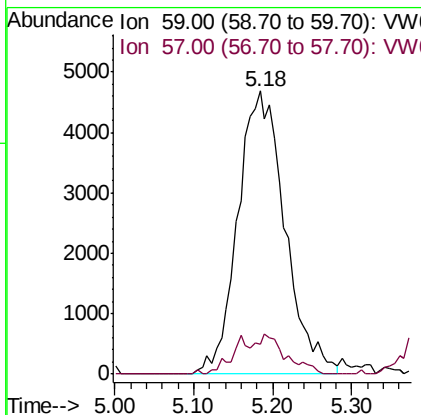
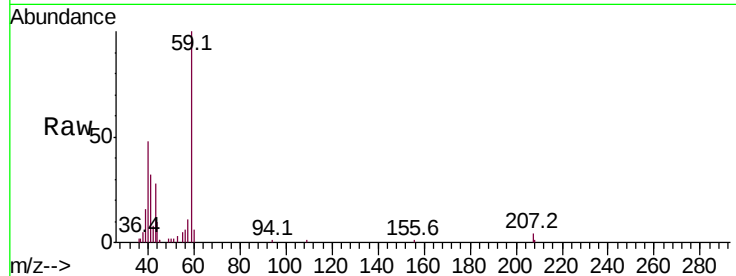
Tert butyl alcohol
Concen: 89.973 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.6	12.8

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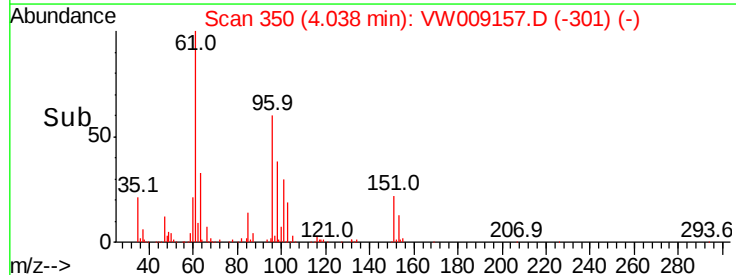
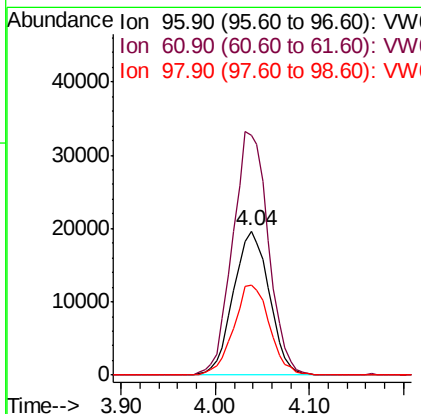
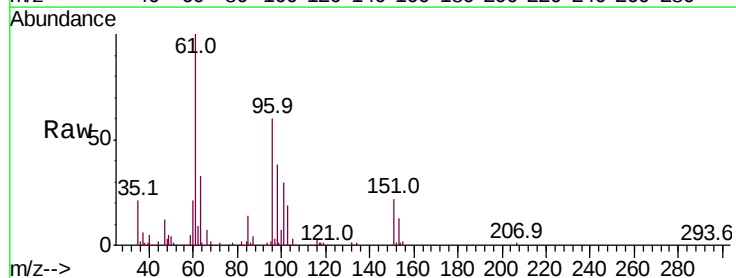
MMDadoda
3/14/2019 12:43:42 PM

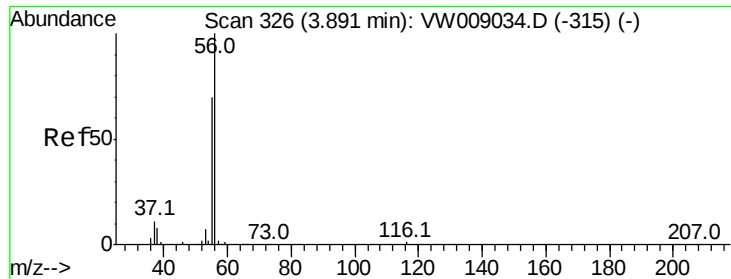


#12

1,1-Dichloroethene
Concen: 20.883 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	138.2	207.2
98	62.6	51.3	76.9





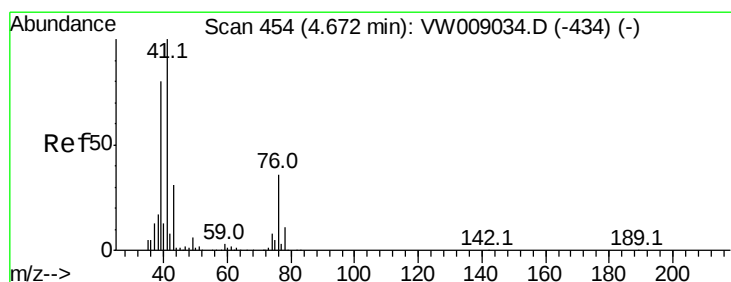
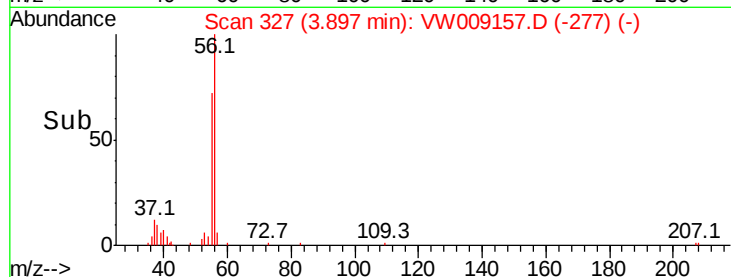
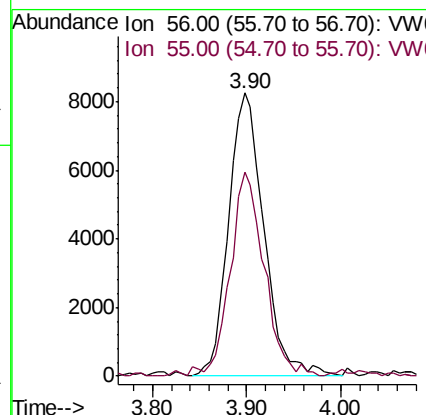
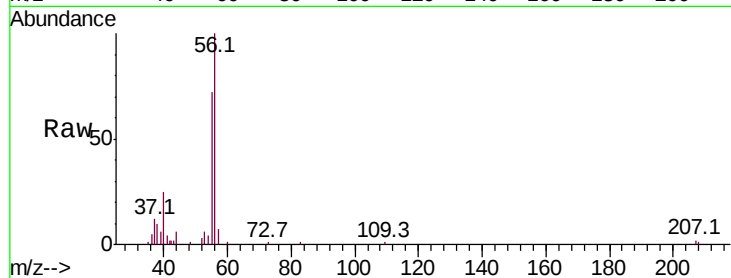
#13
Acrolein
Concen: 90.716 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	56.6	84.8

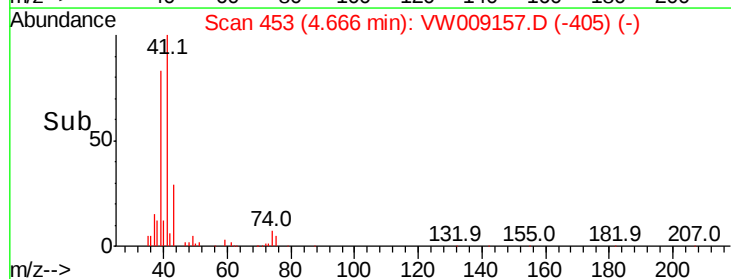
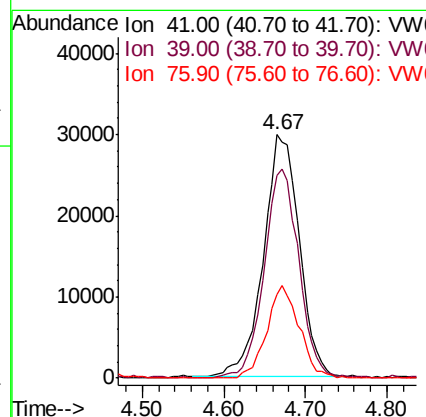
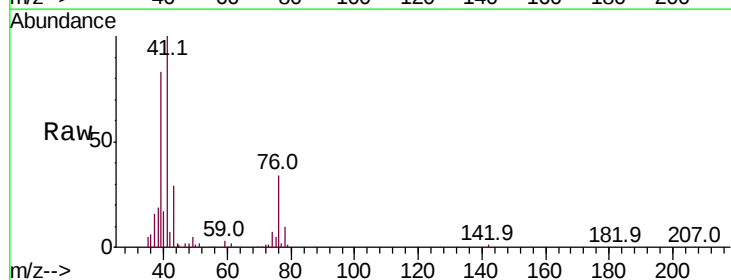
Manual Integrations
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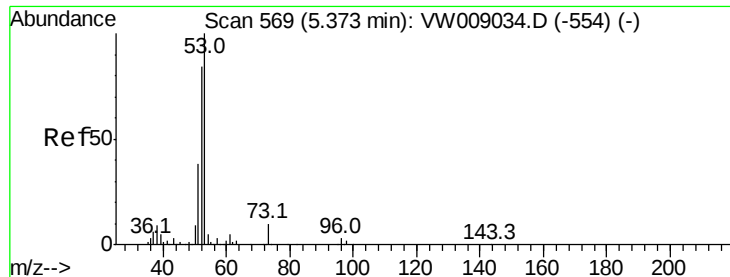
MMDadoda
3/14/2019 12:43:42 PM



#14
Allyl chloride
Concen: 20.642 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	83.5	63.0	94.4
76	34.4	28.2	42.2





#15

Acrylonitrile

Concen: 104.688 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

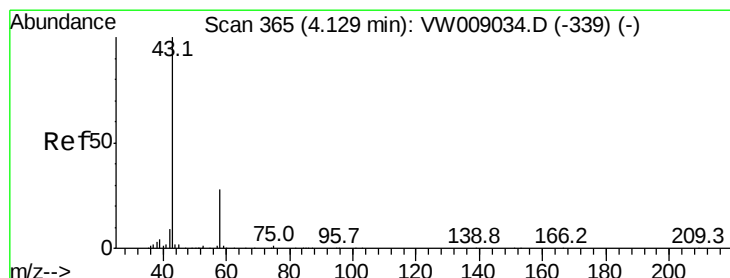
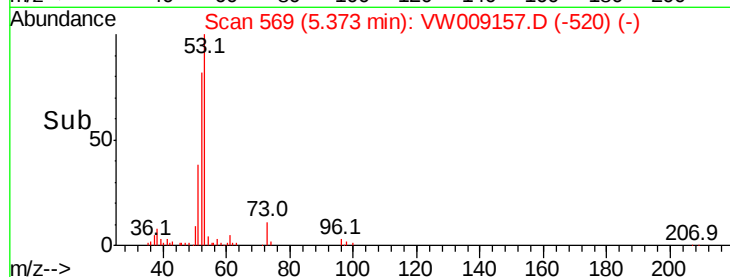
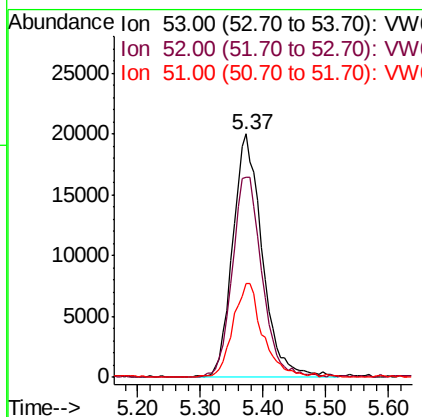
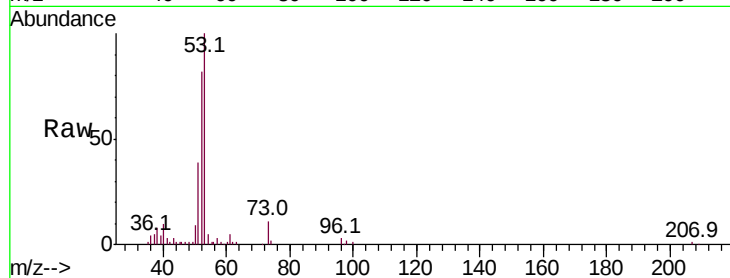
ClientSampleId :

VW0313SBS01

Tot Ion:	53	Resp:	65293
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	38.9	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 105.475 ug/l

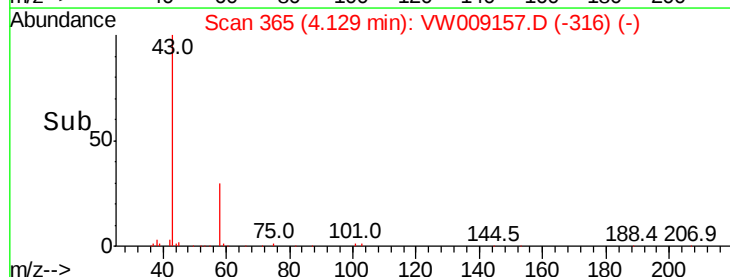
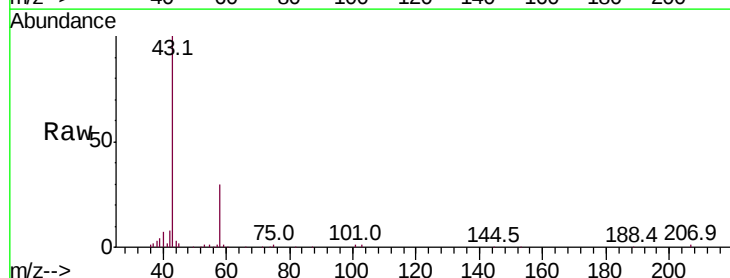
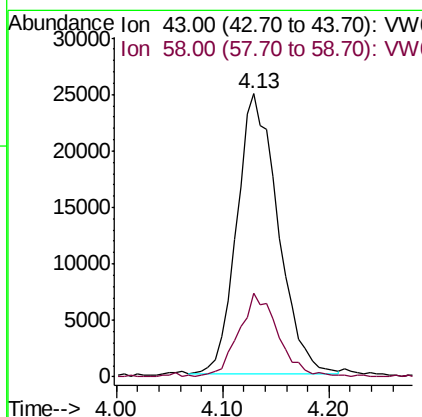
RT: 4.13 min Scan# 365

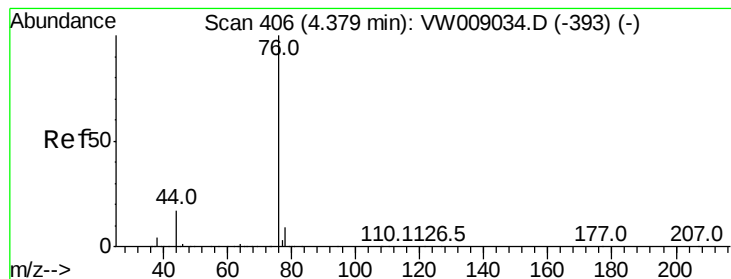
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	43	Resp:	66899
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.5	33.7





#17

Carbon Disulfide

Concen: 19.632 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBSD01

Tot Ion: 76 Resp: 165846

Ion Ratio Lower Upper

76 100

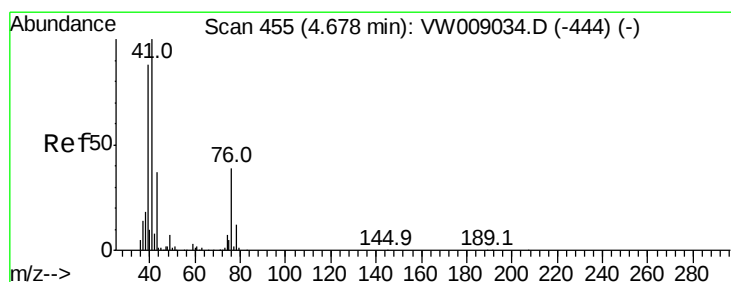
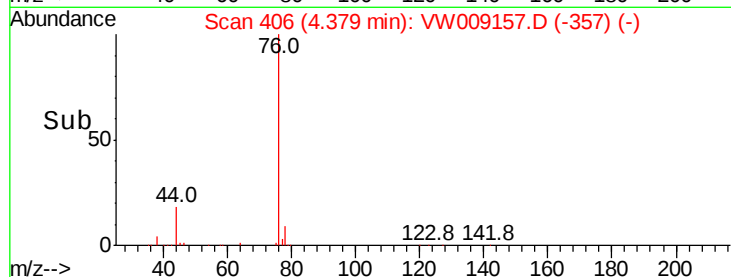
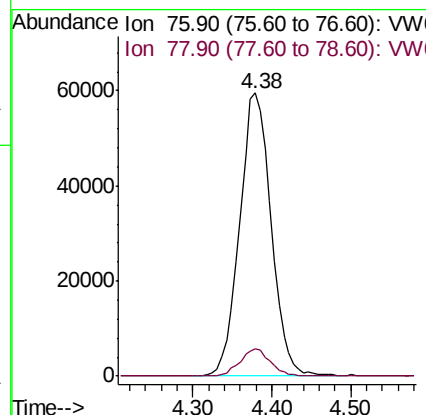
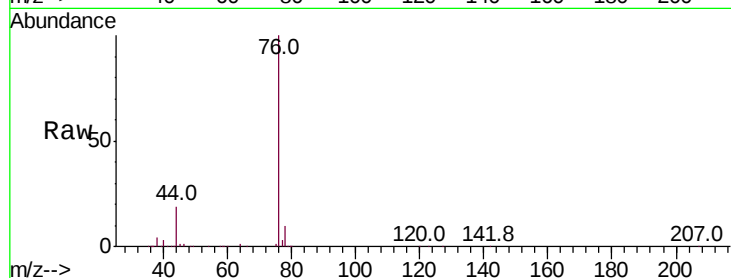
78 9.6 7.0 10.6

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#18

Methyl Acetate

Concen: 20.950 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW009157.D

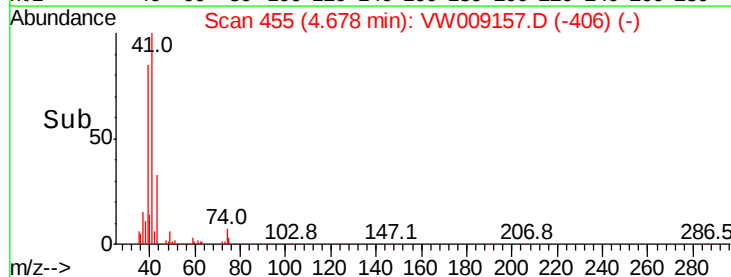
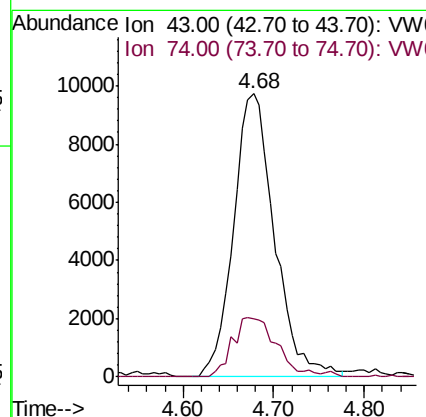
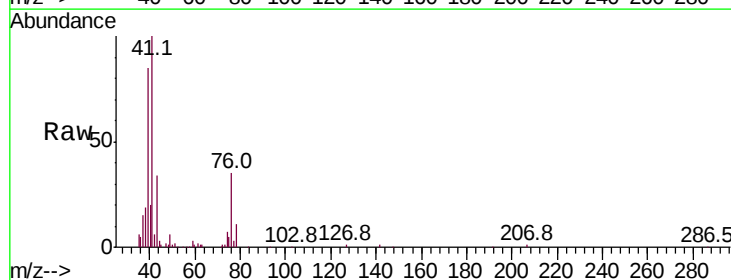
Acq: 13 Mar 2019 16:00

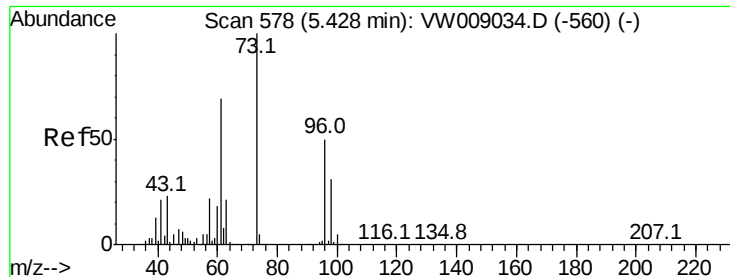
Tgt Ion: 43 Resp: 30556

Ion Ratio Lower Upper

43 100

74 22.4 17.6 26.4





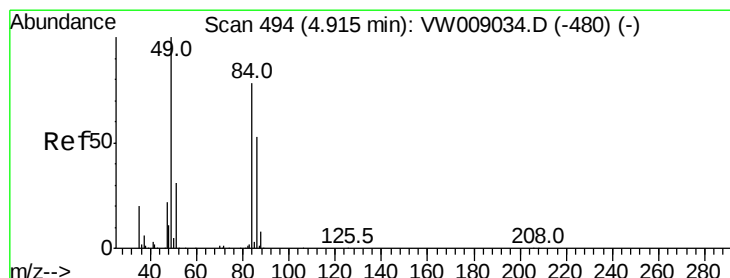
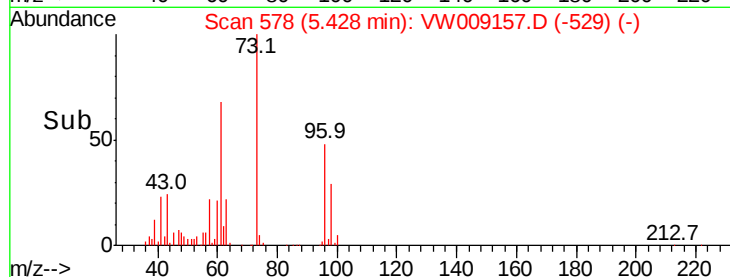
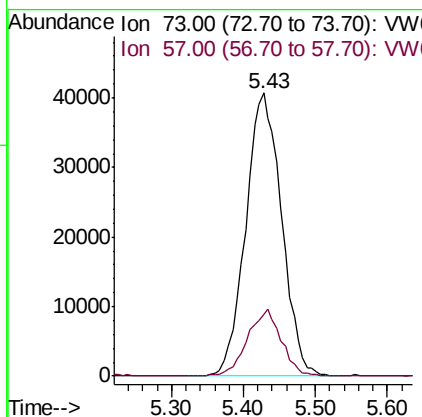
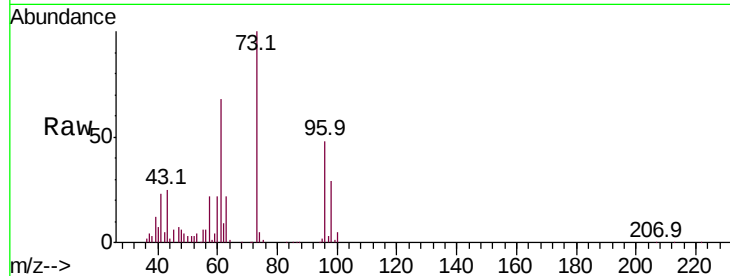
#19
Methyl tert-butyl Ether
Concen: 21.156 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion: 73 Resp: 140515
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

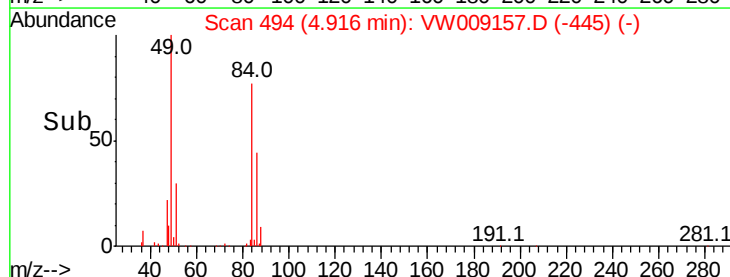
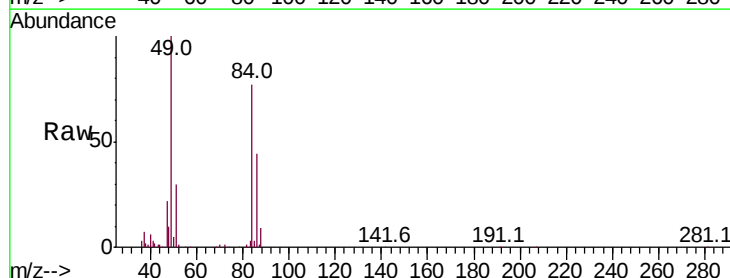
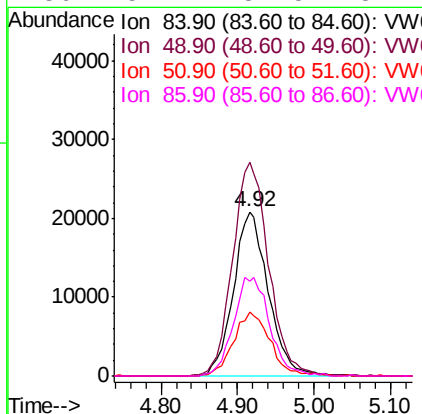
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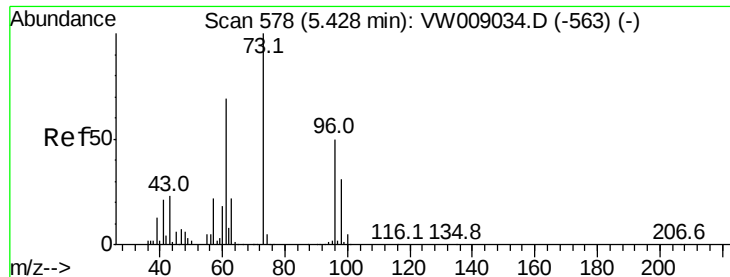
MMDadoda
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#20
Methylene Chloride
Concen: 18.618 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 84 Resp: 65713
Ion Ratio Lower Upper
84 100
49 130.3 102.4 153.6
51 39.3 31.6 47.4
86 57.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.103 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

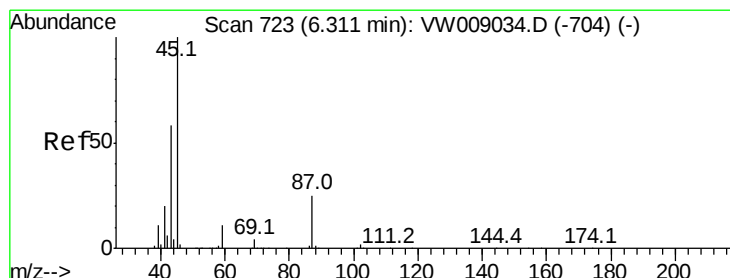
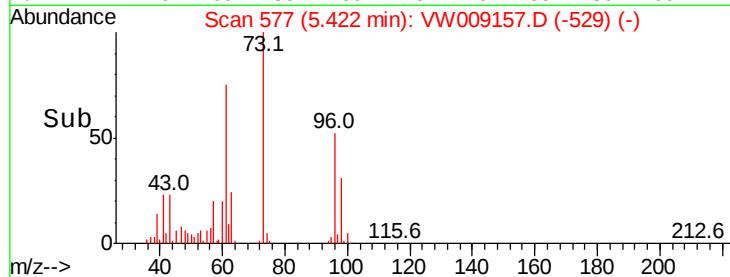
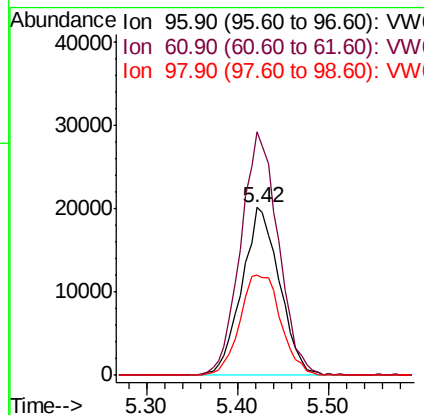
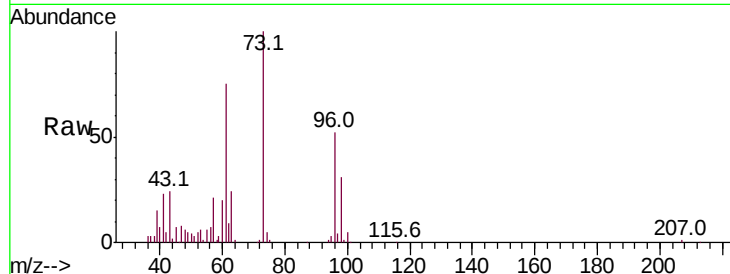
ClientSampleId :

VW0313SBS01

Tot Ion:	96	Resp:	58280
Ion	Ratio	Lower	Upper
96	100		
61	144.7	111.0	166.6
98	59.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 21.569 ug/l

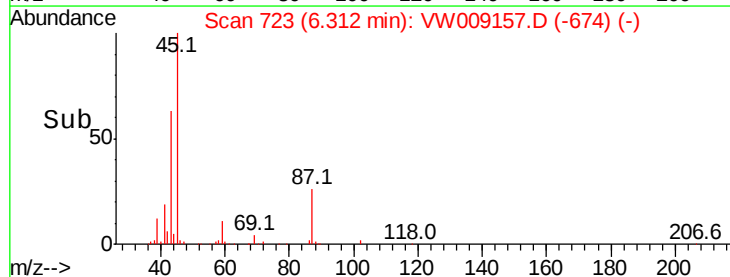
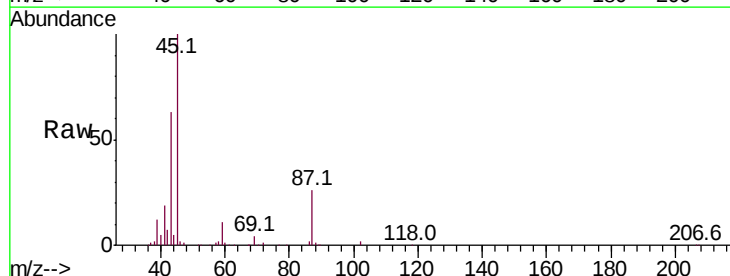
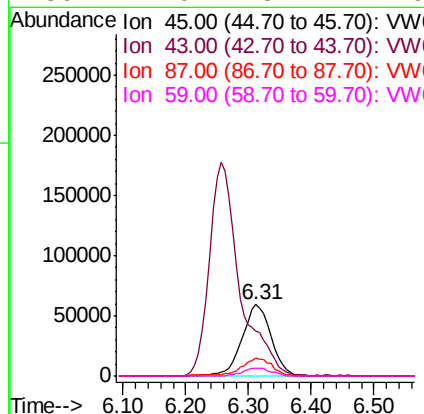
RT: 6.31 min Scan# 723

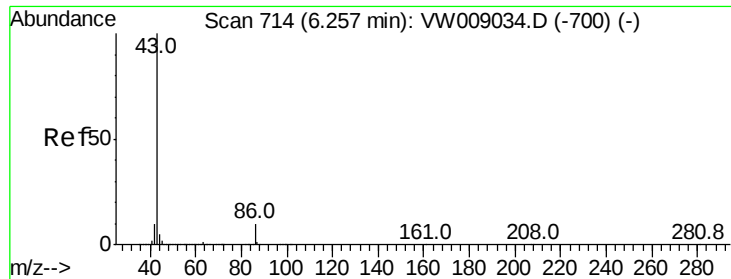
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	45	Resp:	189834
Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.2	69.4
87	25.4	20.1	30.1
59	11.0	8.4	12.6





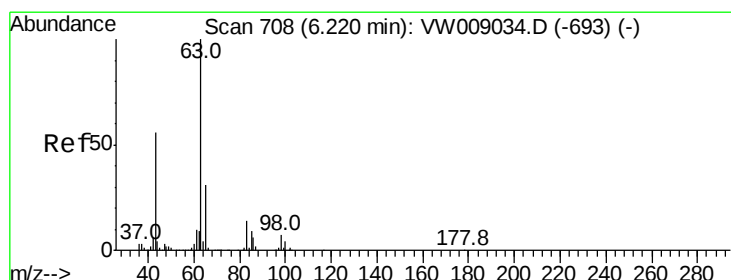
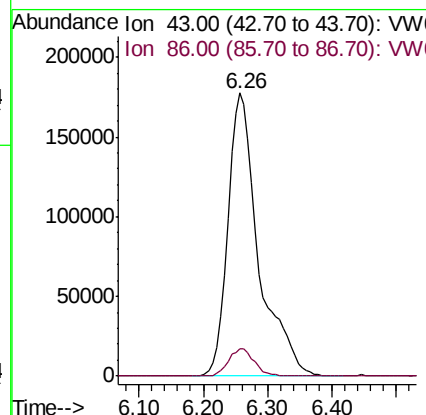
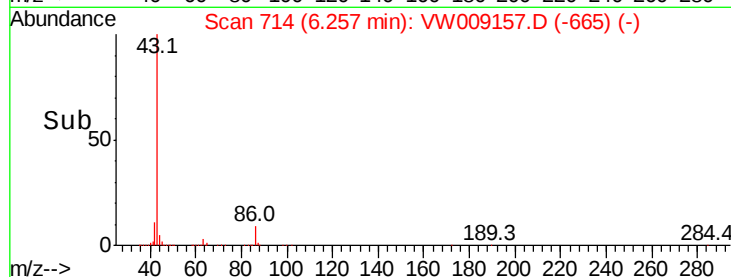
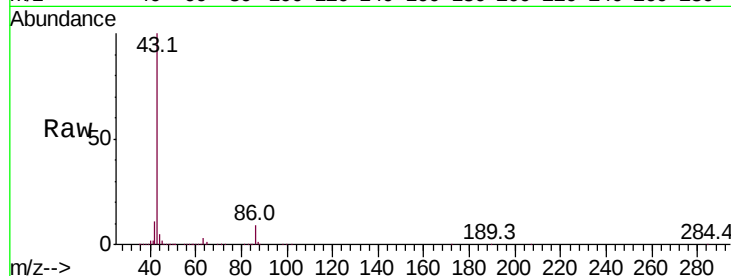
#23
 Vinyl Acetate
 Concen: 108.522 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	594380		
86	9.5		7.6	11.4

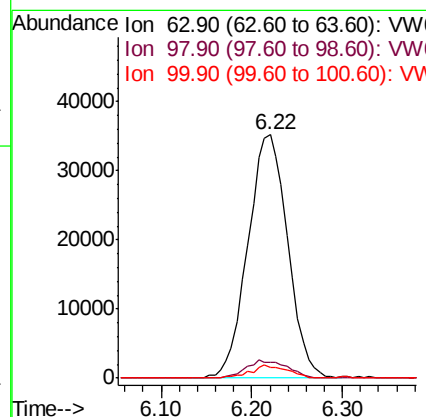
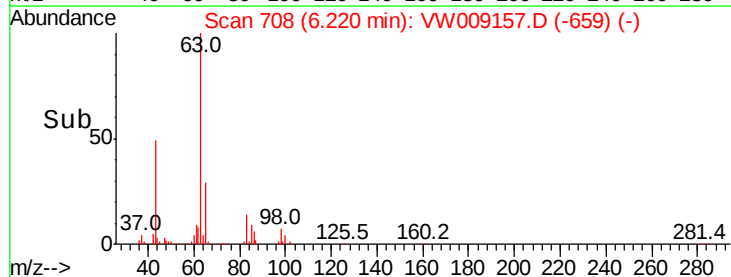
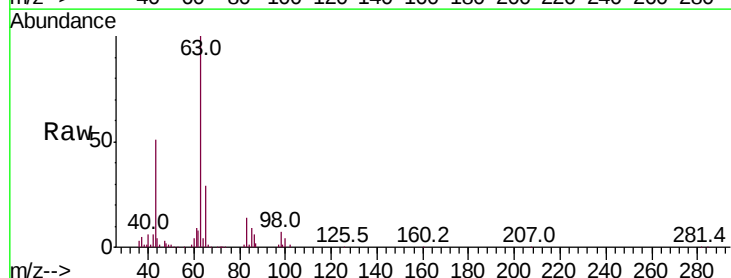
Manual Integrations
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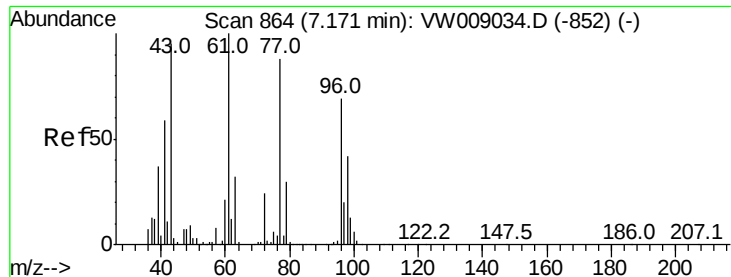
MMDadoda
 3/14/2019 12:43:42 PM



#24
 1,1-Dichloroethane
 Concen: 20.954 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	106971		
98	6.6		3.4	10.2
100	4.3		2.1	6.2





#25

2-Butanone

Concen: 105.750 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 43 Resp: 92697

Ion Ratio Lower Upper

43 100

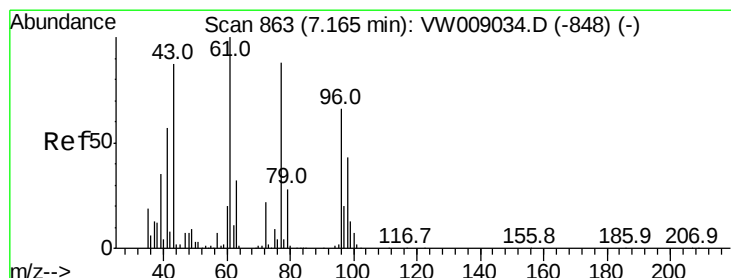
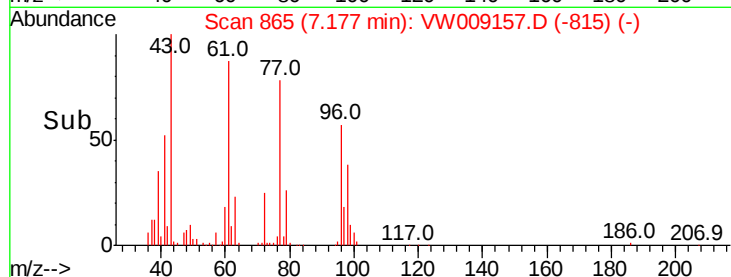
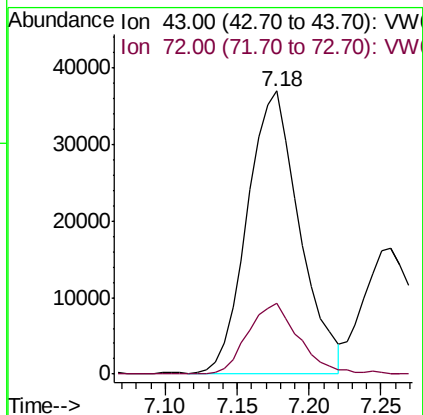
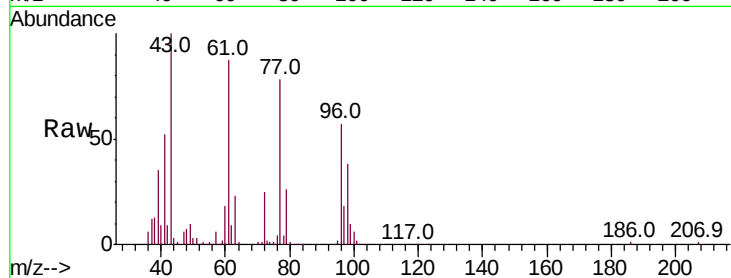
72 25.4 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.973 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009157.D

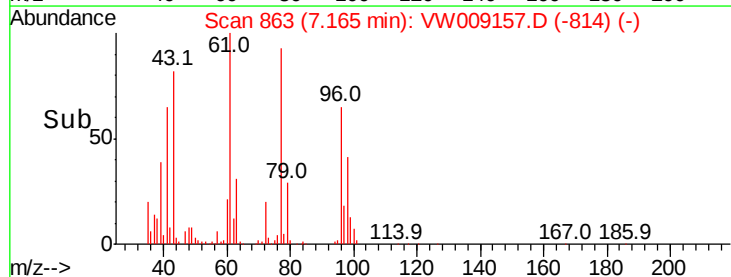
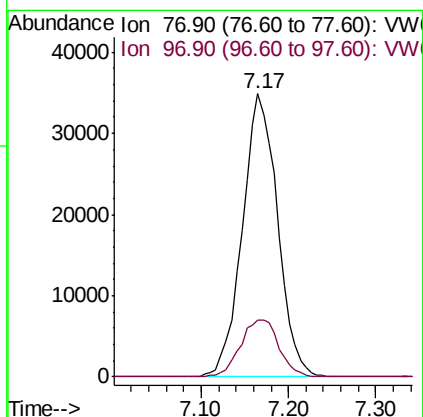
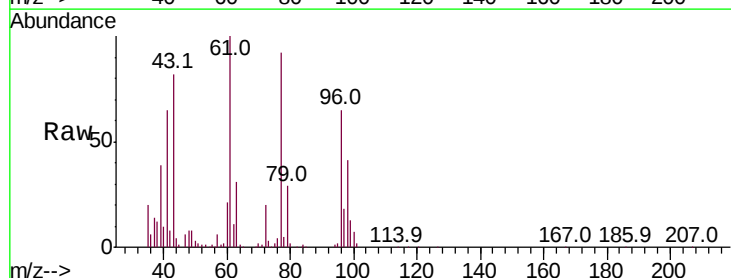
Acq: 13 Mar 2019 16:00

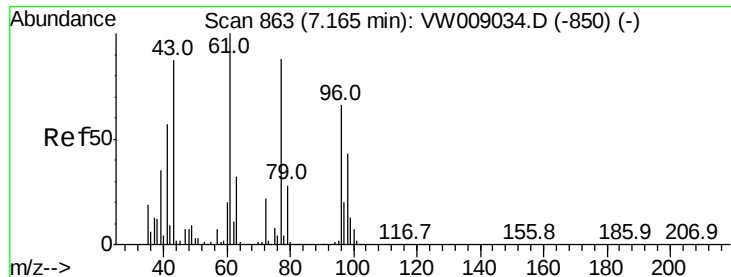
Tgt Ion: 77 Resp: 97321

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9





#27

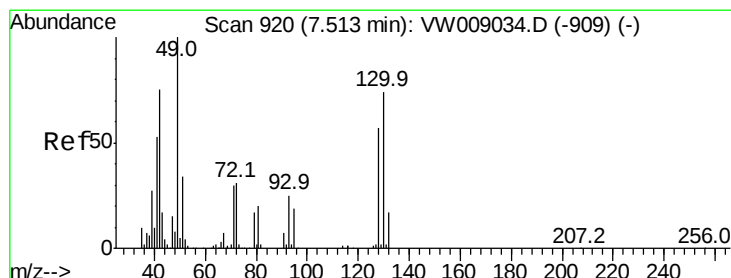
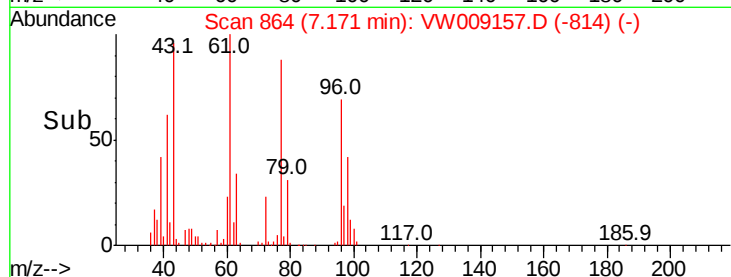
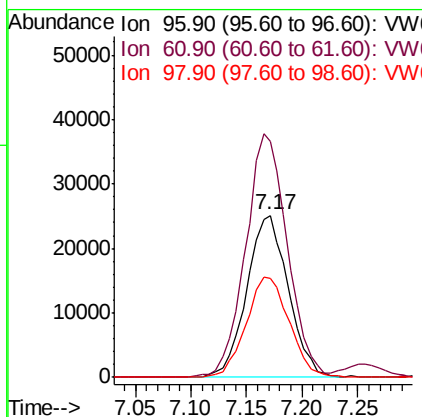
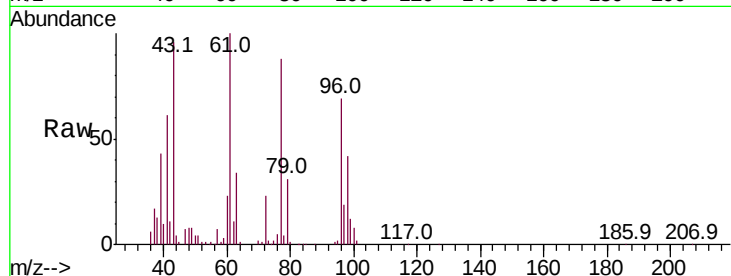
cis-1,2-Dichloroethene
Concen: 20.979 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	299.8
98	63.9	0.0	127.2

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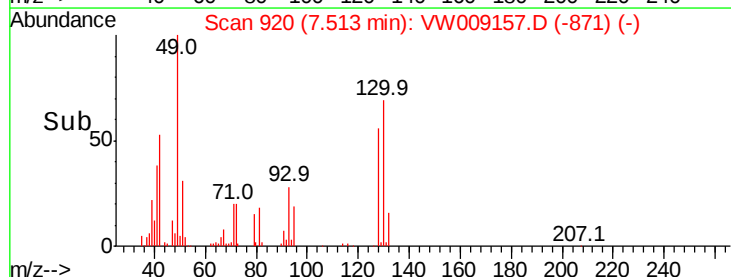
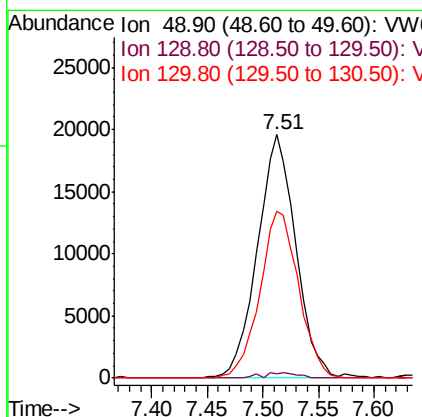
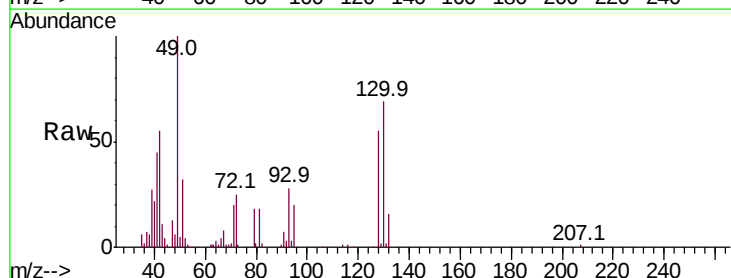
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3/14/2019 12:43:42 PM

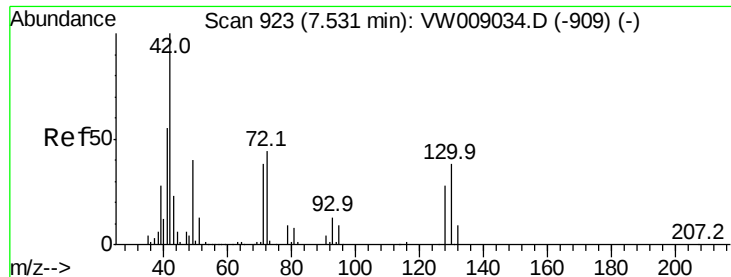


#28

Bromochloromethane
Concen: 22.108 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	69.4	60.4	90.6





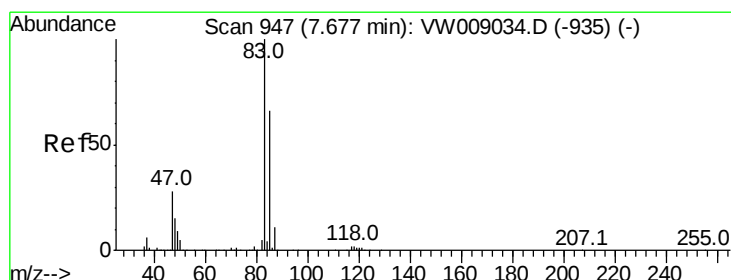
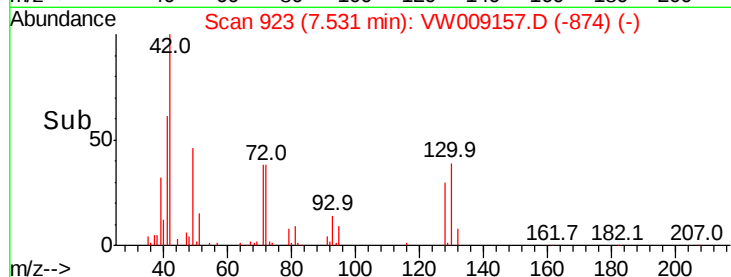
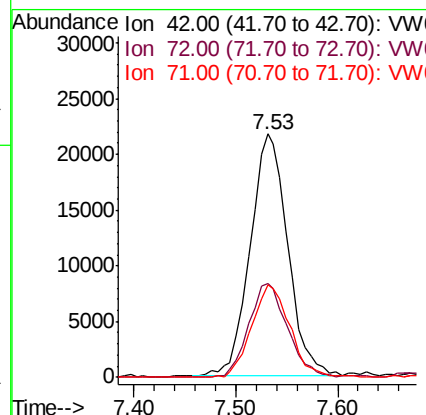
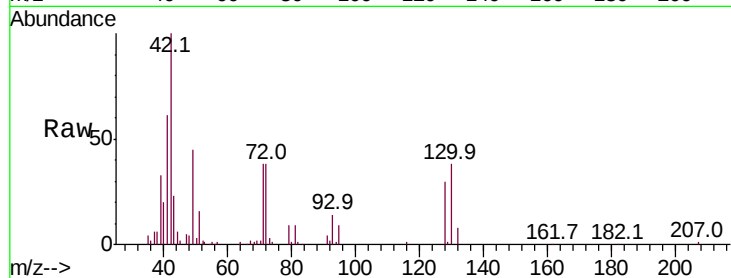
#29
Tetrahydrofuran
Concen: 100.756 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.2	48.4
71	38.6	30.7	46.1

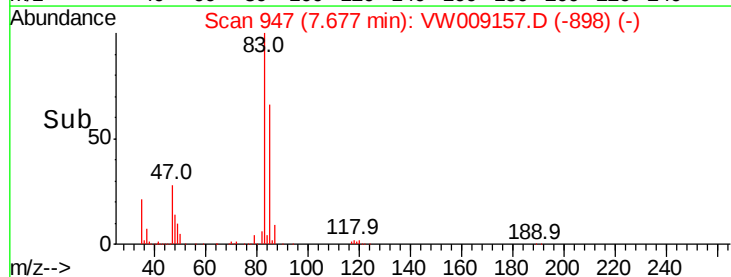
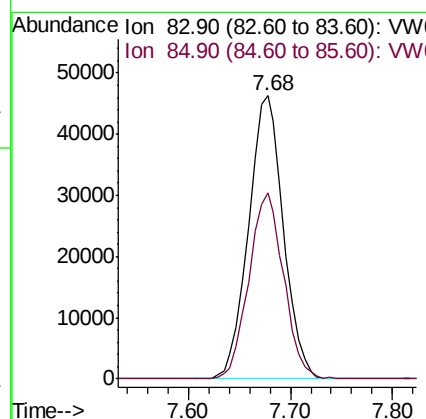
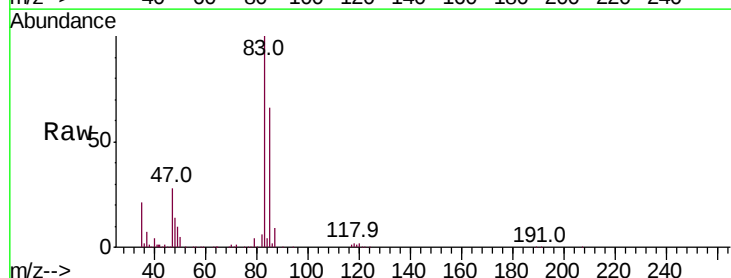
Manual Integrations
APPROVED

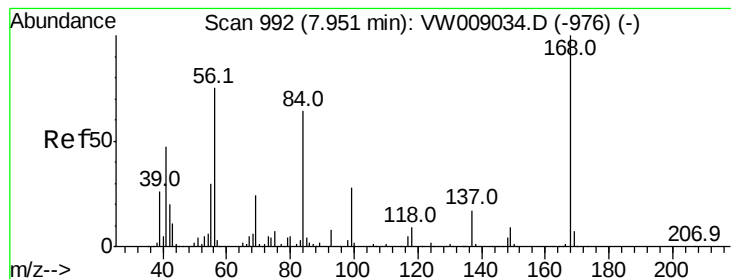
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#30
Chloroform
Concen: 20.902 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.0	79.6





#31

Cyclohexane

Concen: 20.929 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

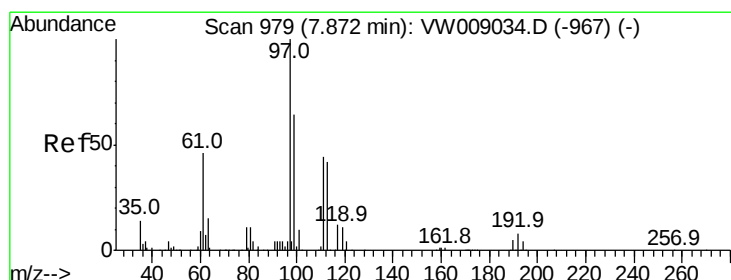
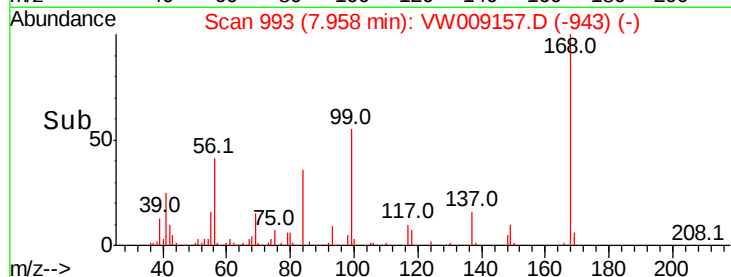
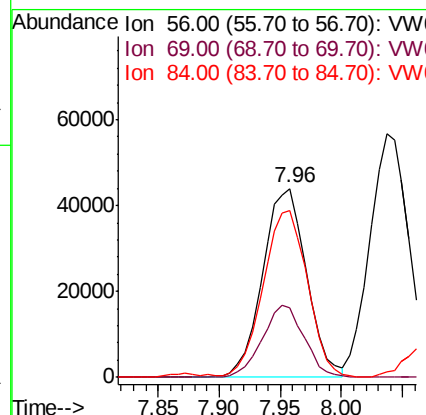
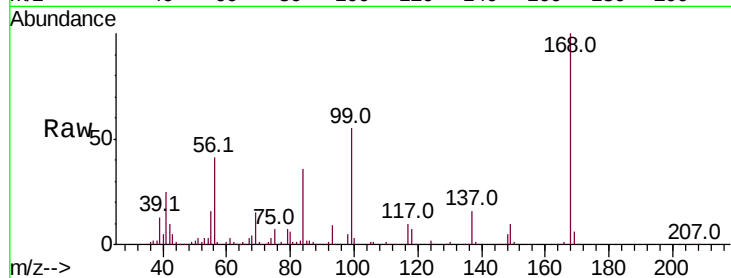
ClientSampleId :

VW0313SBS01

Tot Ion	56	Resp	109707
Ion	Ratio	Lower	Upper
56	100		
69	36.8	25.5	38.3
84	87.0	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.163 ug/l

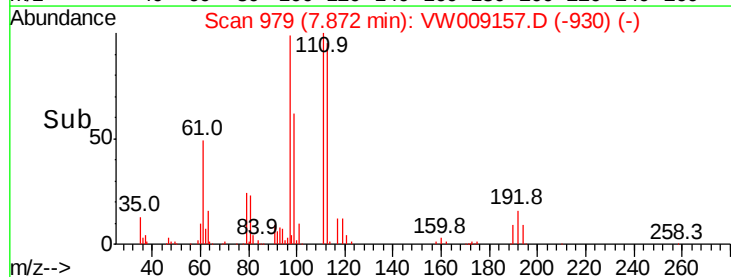
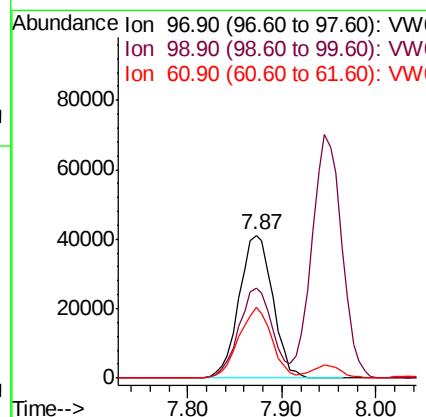
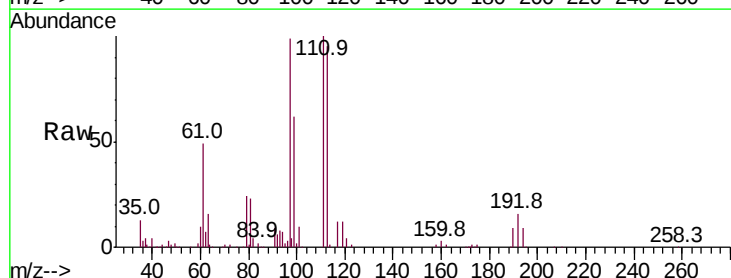
RT: 7.87 min Scan# 979

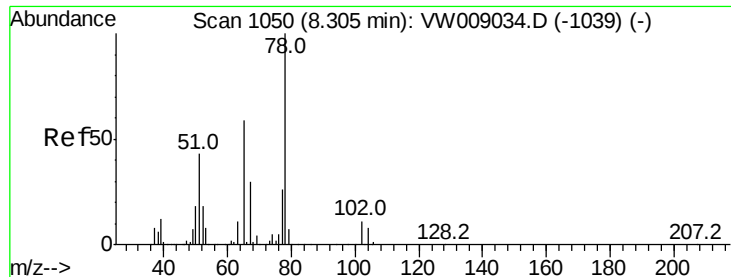
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion	97	Resp	102651
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.8
61	48.4	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 52.461 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 65 Resp: 147453

Ion Ratio Lower Upper

65 100

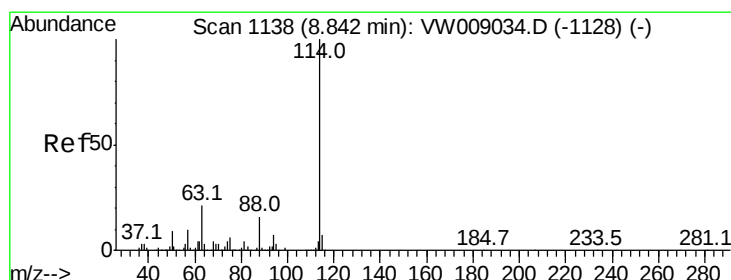
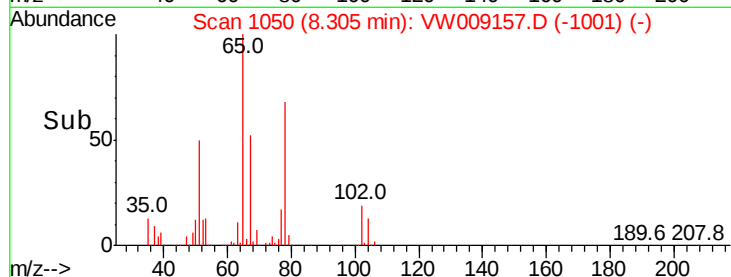
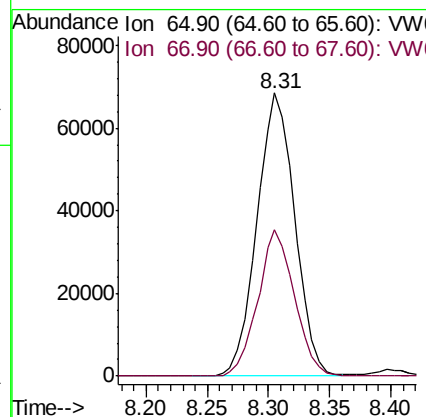
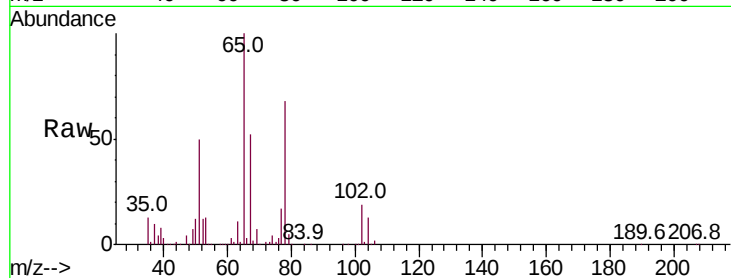
67 50.2 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

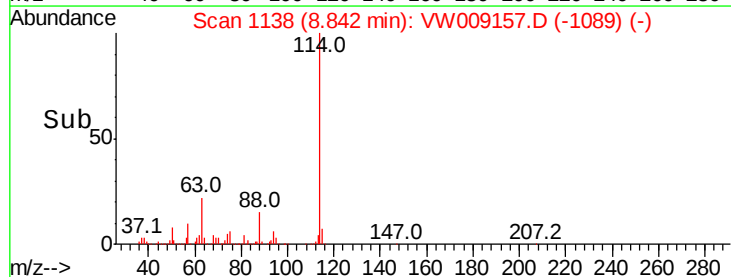
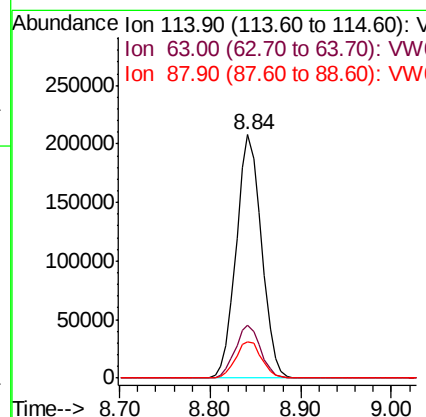
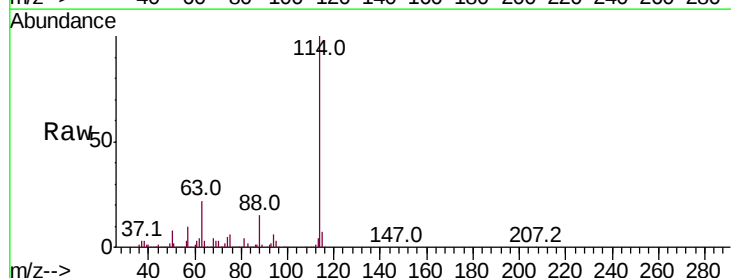
Tgt Ion: 114 Resp: 402648

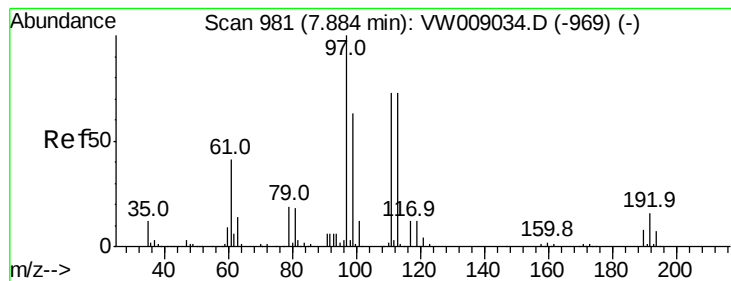
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.2

88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.727 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

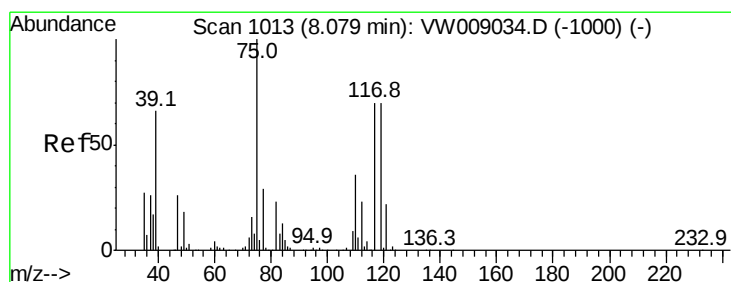
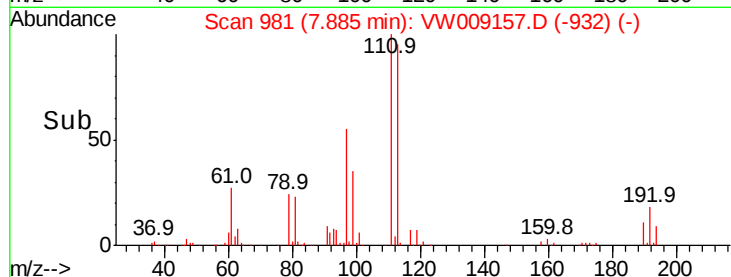
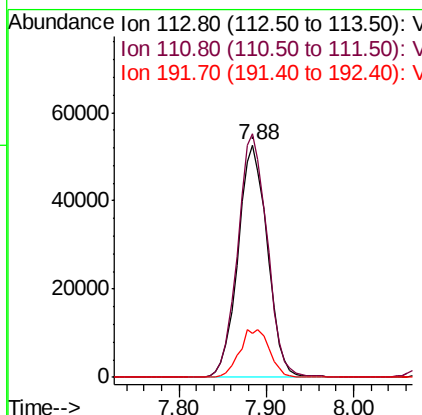
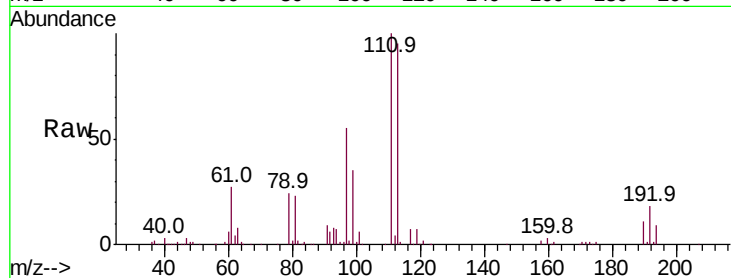
ClientSampleId :

VW0313SBS01

Tot Ion:	113	Resp:	122978
Ion Ratio	Lower	Upper	
113	100		
111	105.4	81.0	121.4
192	21.0	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.354 ug/l

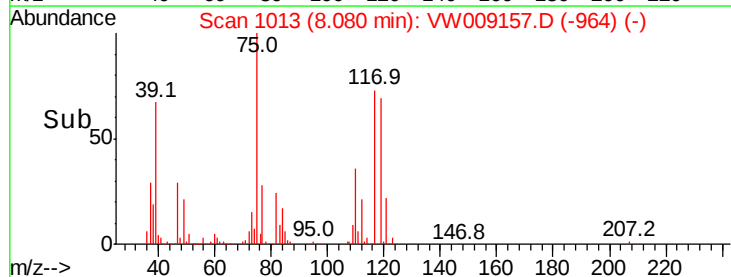
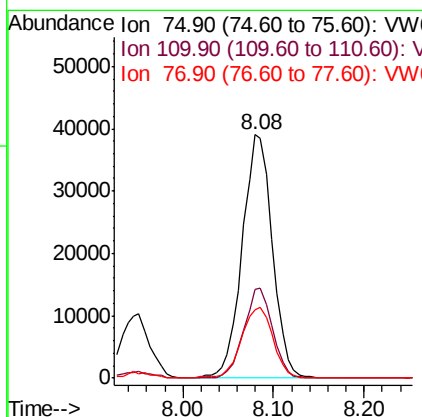
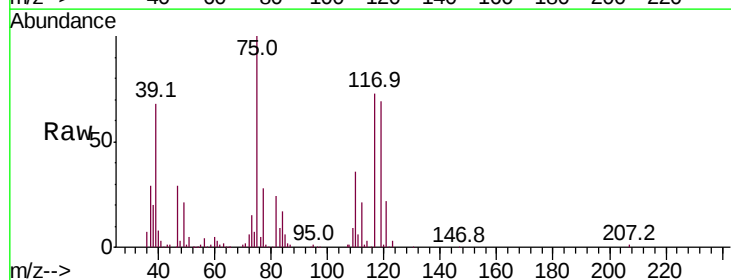
RT: 8.08 min Scan# 1013

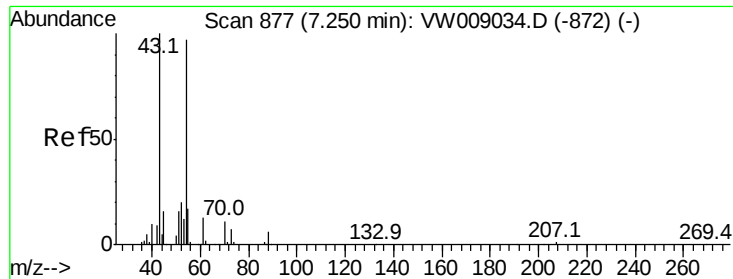
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	75	Resp:	89903
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.6	52.9
77	30.4	25.1	37.7





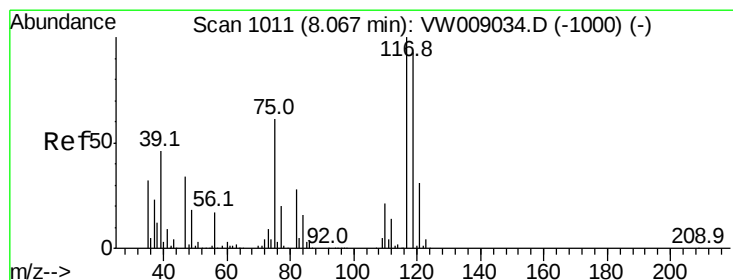
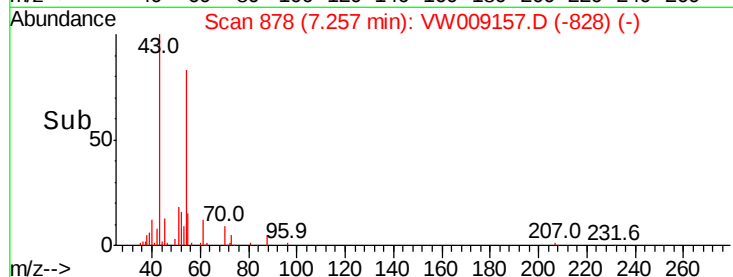
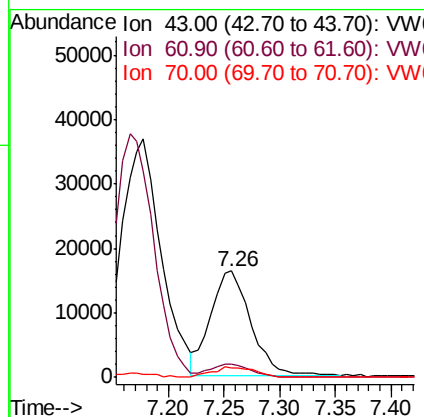
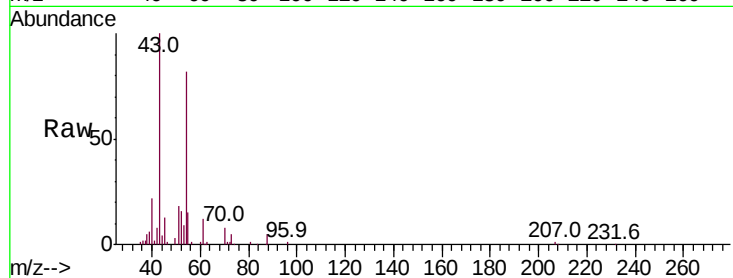
#37
Ethyl Acetate
Concen: 20.826 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.6
70	10.4	7.2	10.8

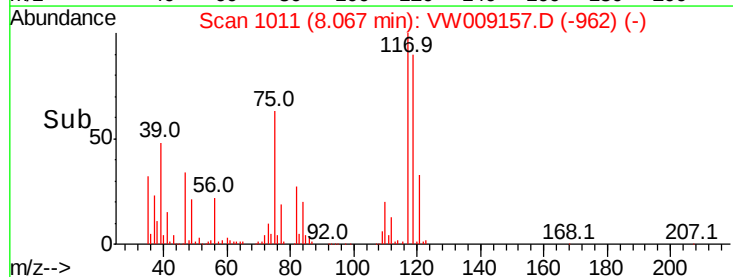
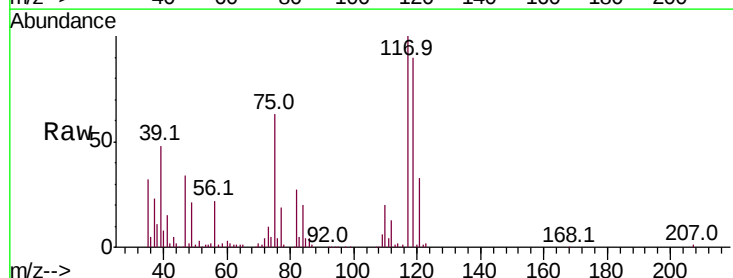
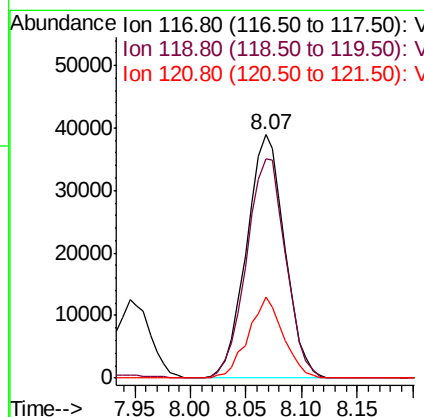
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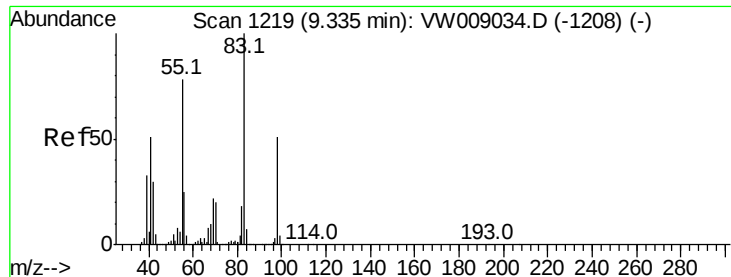
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#38
Carbon Tetrachloride
Concen: 21.363 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.6	112.0
121	33.5	24.7	37.1





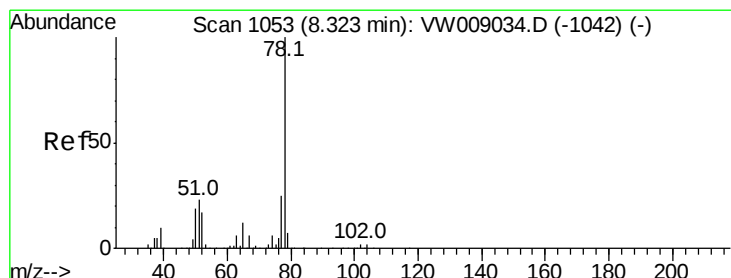
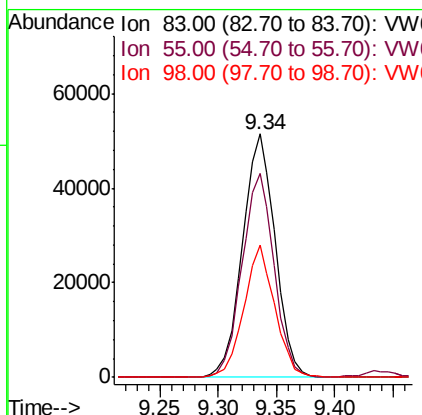
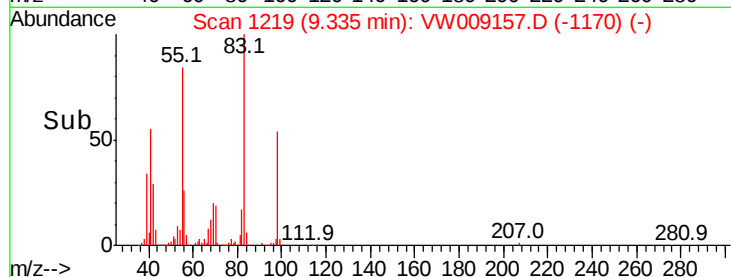
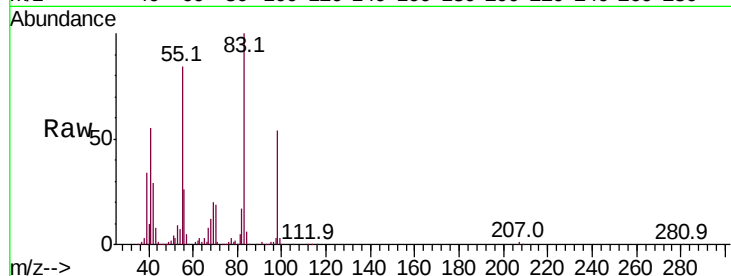
#39
Methvlcvclohexane
Concen: 20.054 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	62.7	94.1
98	54.5	40.8	61.2

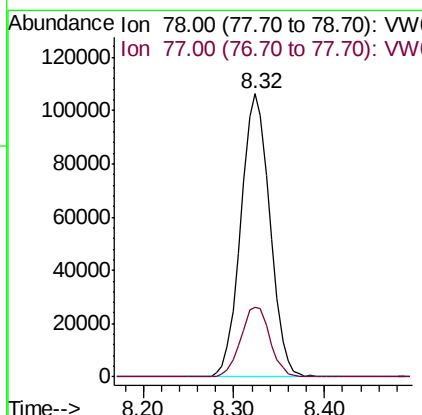
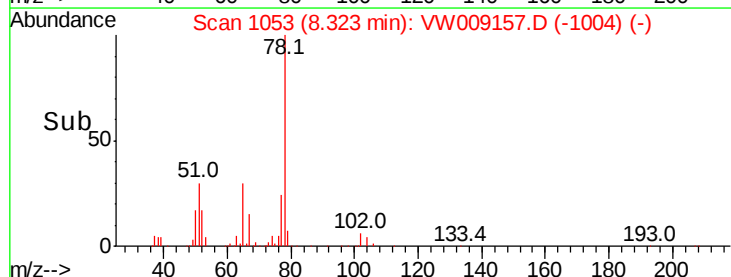
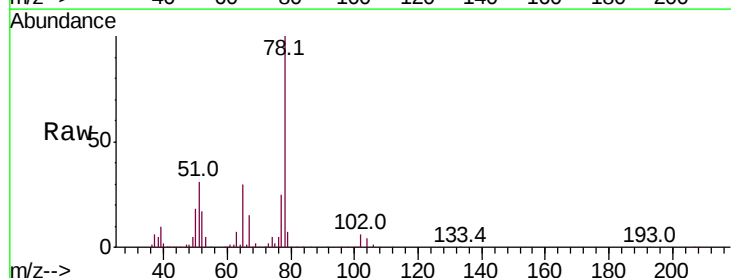
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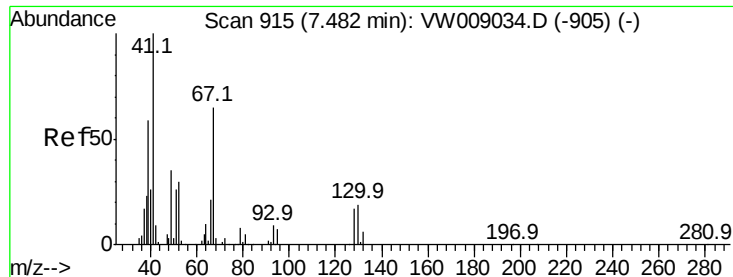
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#40
Benzene
Concen: 20.977 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	20.2	30.4





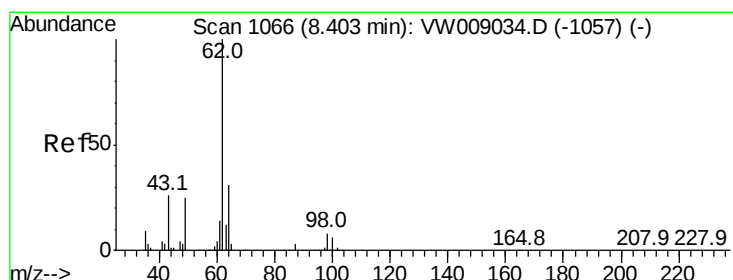
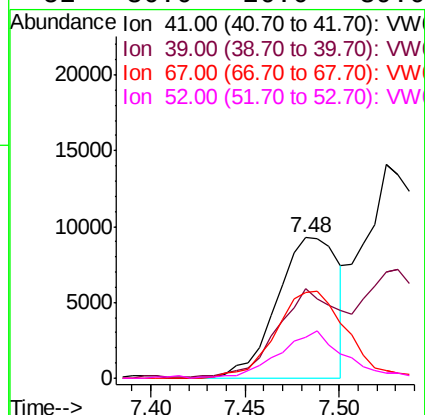
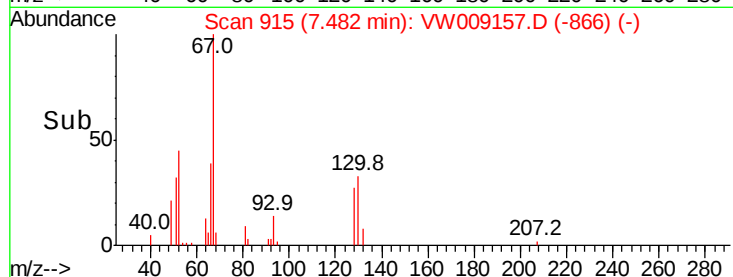
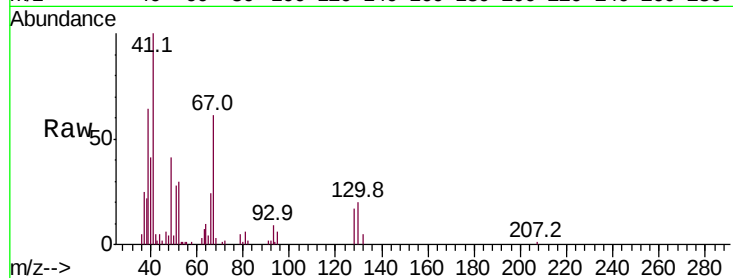
#41
Methacrylonitrile
Concen: 19.141 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.7	53.6	80.4
67	71.3	57.6	86.4
52	36.0	26.0	39.0

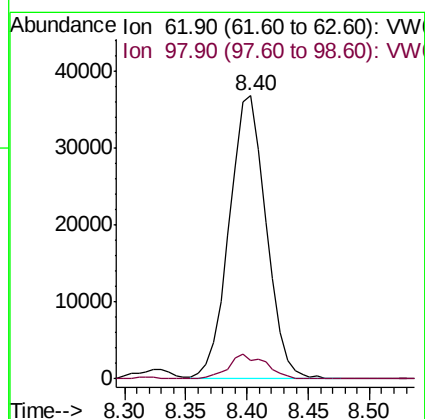
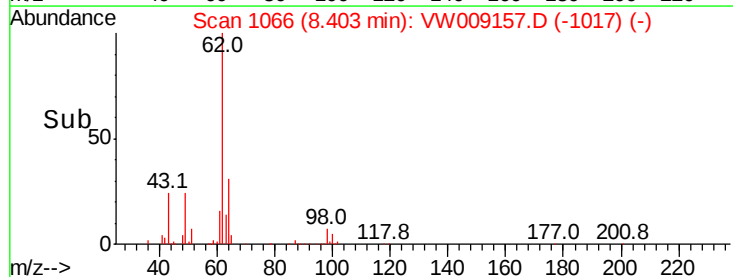
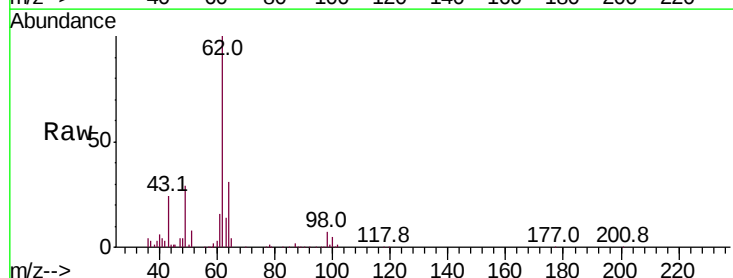
Manual Integrations
APPROVED

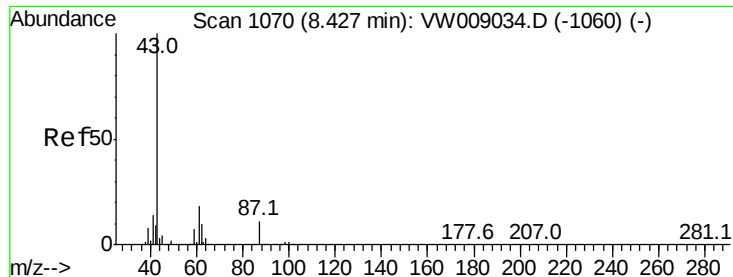
MMDadoda
3/14/2019 12:43:42 PM



#42
1,2-Dichloroethane
Concen: 21.257 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.883 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

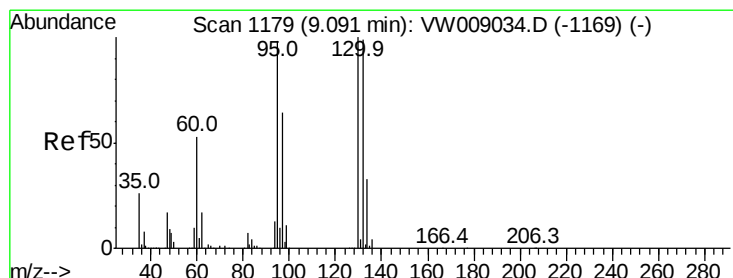
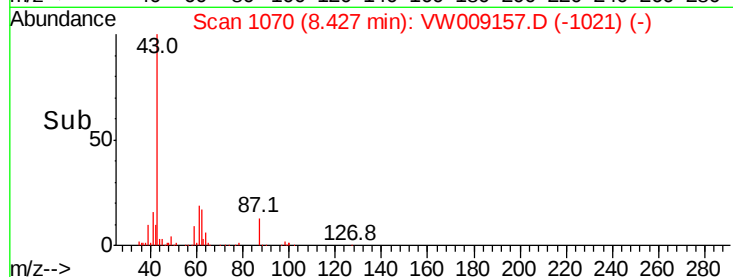
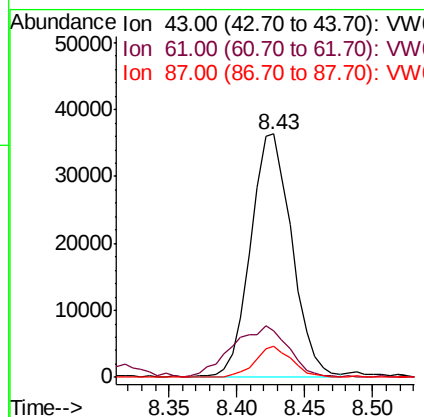
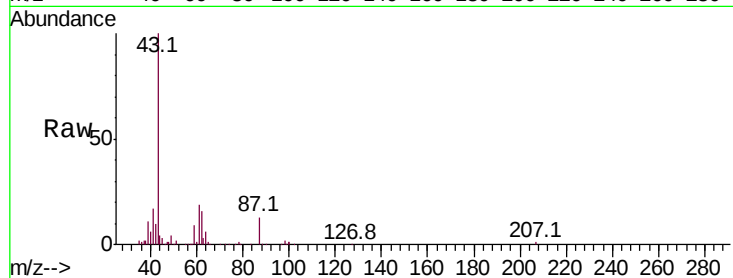
ClientSampleId :

VW0313SBS01

Tot Ion:	43	Resp:	76916
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.8	34.2
87	11.9	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.784 ug/l

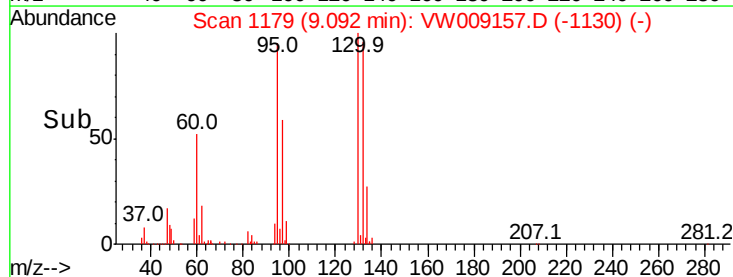
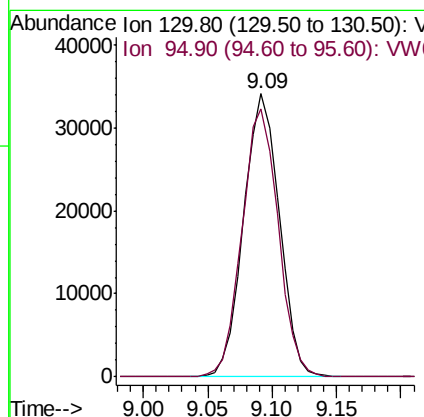
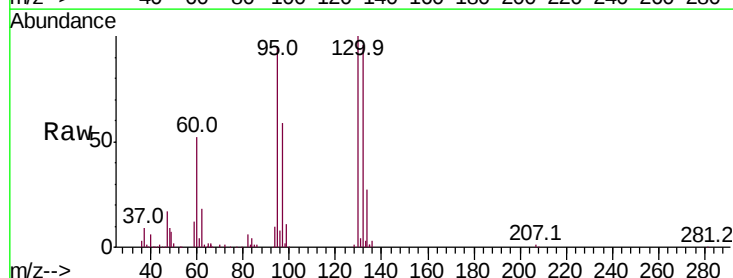
RT: 9.09 min Scan# 1179

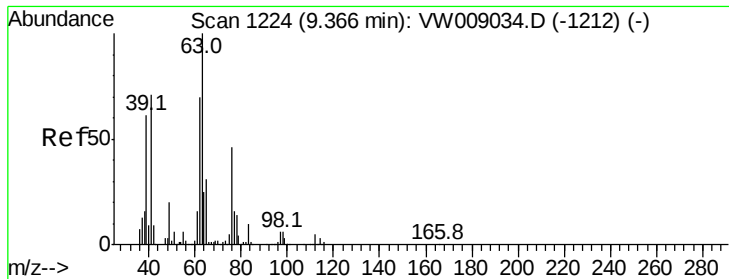
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	130	Resp:	65470
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	197.0





#45

1,2-Dichloropropane

Concen: 21.213 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 63 Resp: 59712

Ion Ratio Lower Upper

63 100

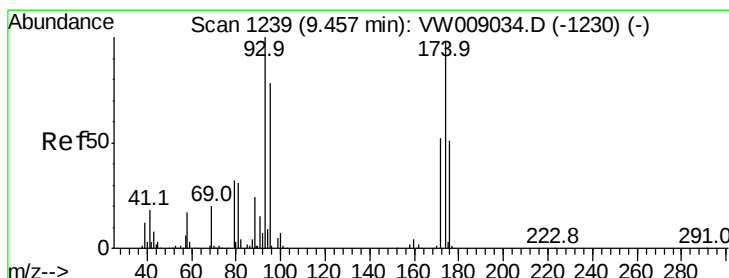
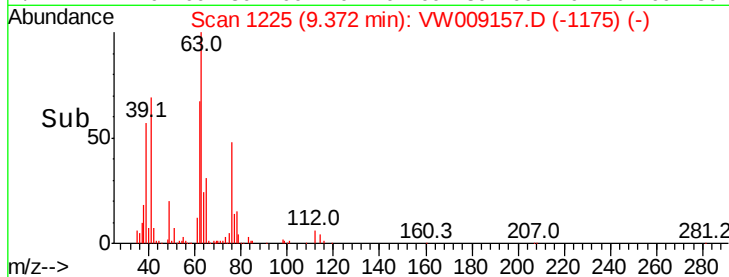
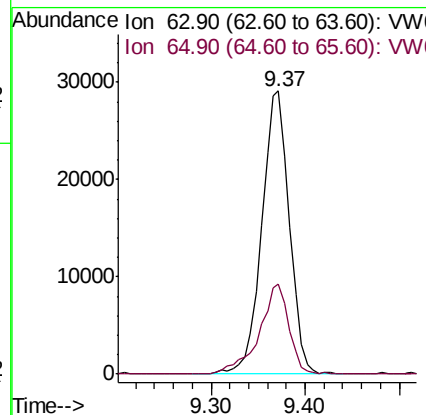
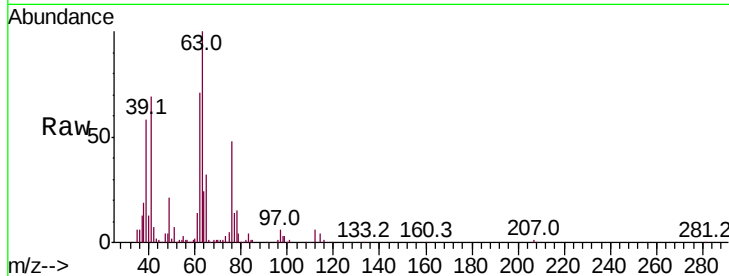
65 31.6 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 20.894 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

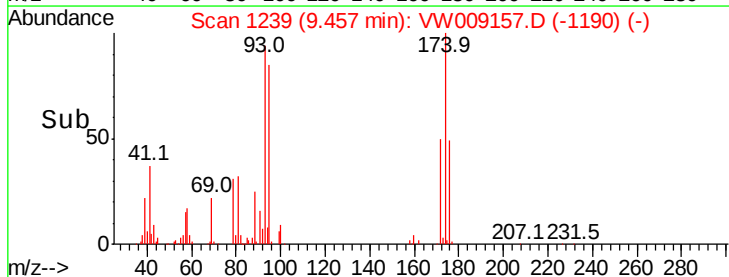
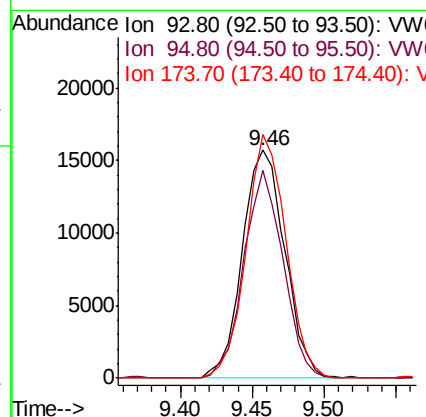
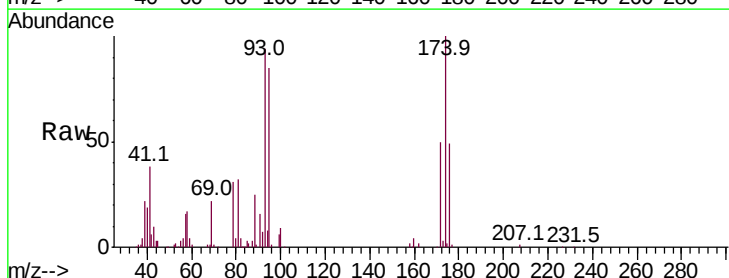
Tgt Ion: 93 Resp: 32120

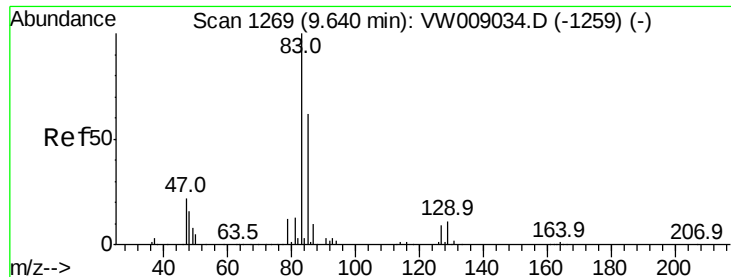
Ion Ratio Lower Upper

93 100

95 84.2 65.0 97.6

174 100.0 81.8 122.6





#47

Bromodichloromethane

Concen: 21.034 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

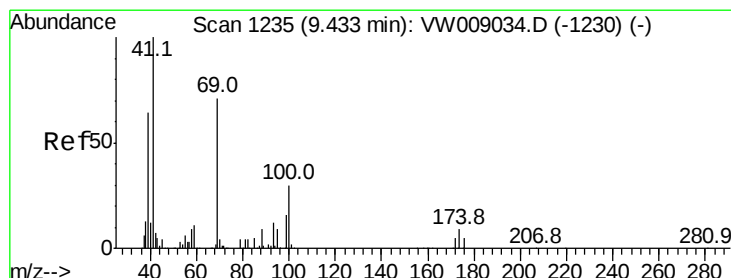
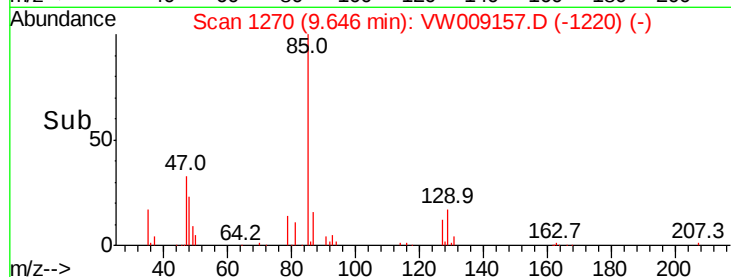
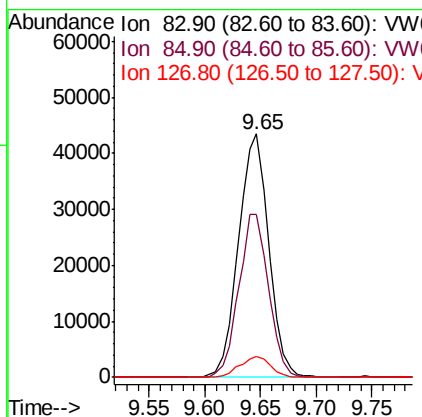
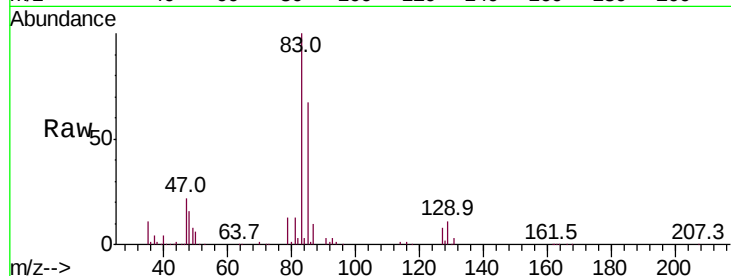
ClientSampleId :

VW0313SBS01

Tot Ion:	83	Resp:	81853
Ion Ratio	Lower	Upper	
83	100		
85	66.9	49.9	74.9
127	8.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.461 ug/l

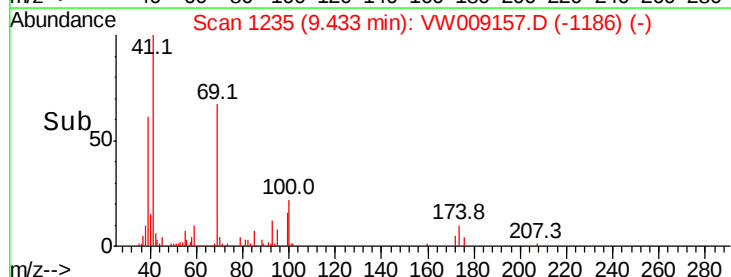
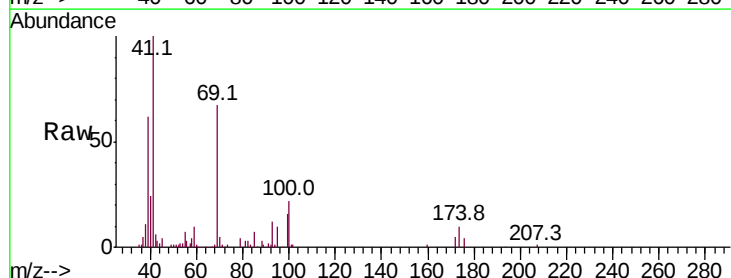
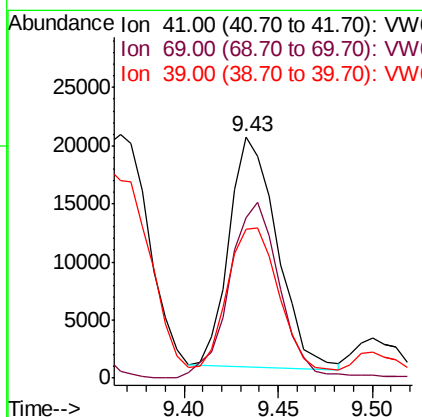
RT: 9.43 min Scan# 1235

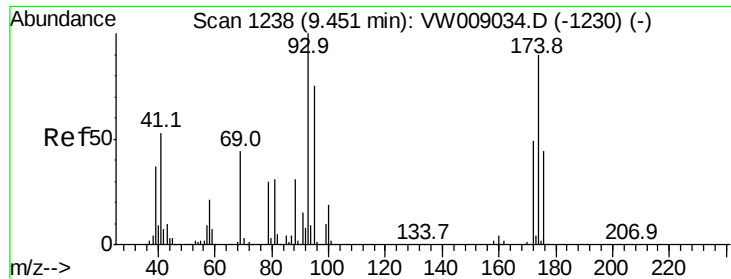
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	41	Resp:	35090
Ion Ratio	Lower	Upper	
41	100		
69	80.5	59.1	88.7
39	65.9	48.9	73.3





#49

1,4-Dioxane

Concen: 371.406 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

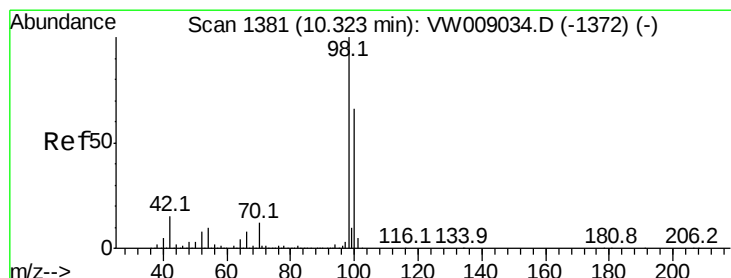
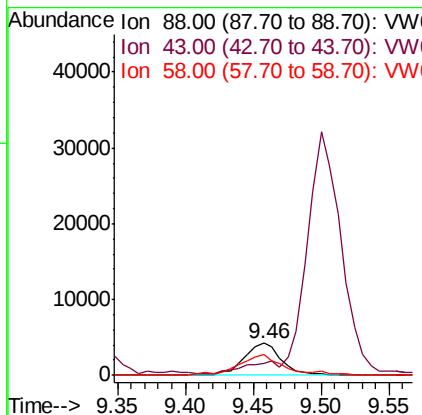
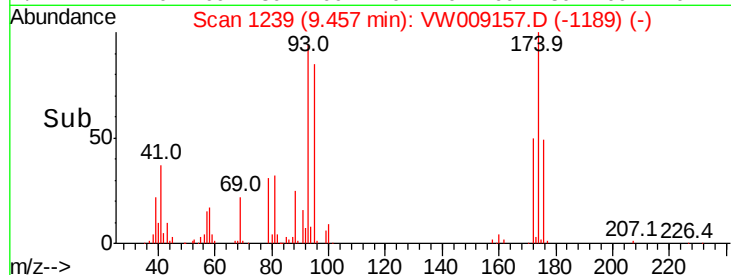
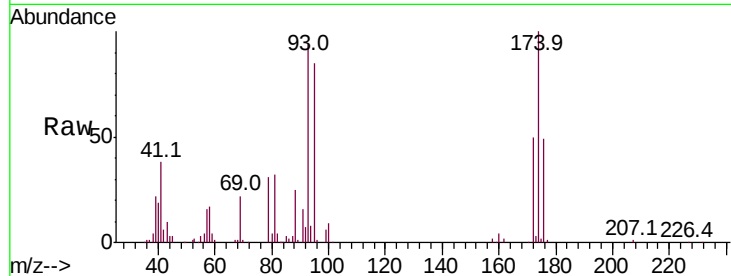
ClientSampleId :

VW0313SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	78.8	59.2	88.8

Manual Integrations
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#50

Toluene-d8

Concen: 51.829 ug/l

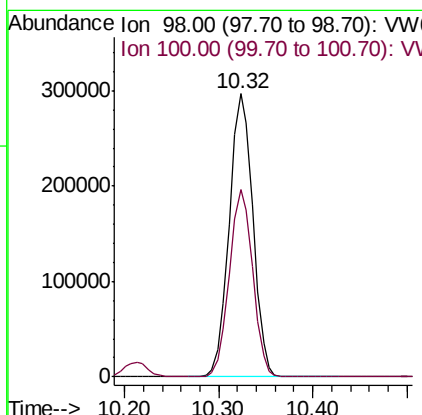
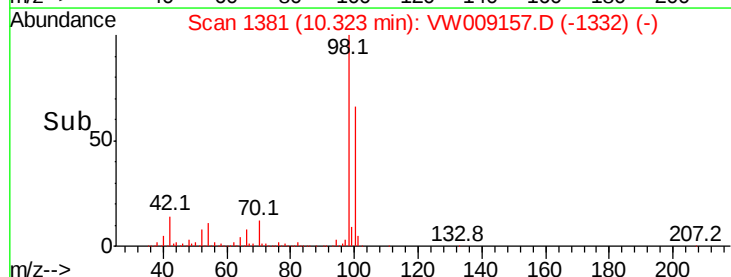
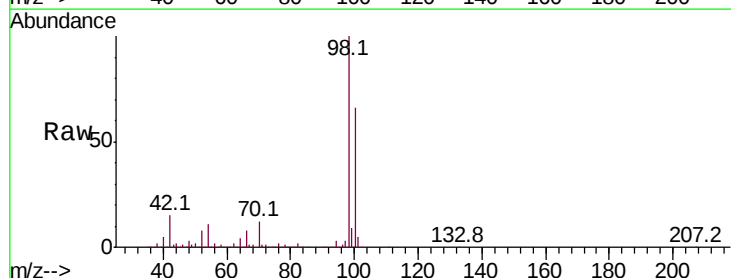
RT: 10.32 min Scan# 1381

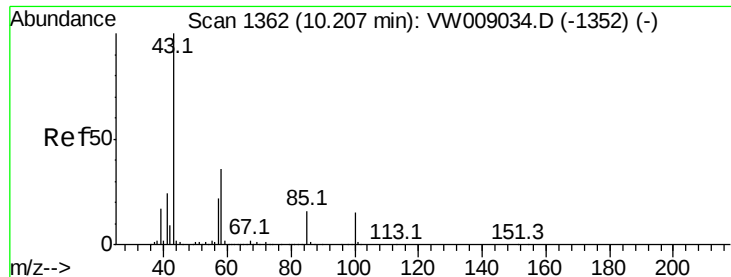
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 107.683 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 43 Resp: 201348

Ion Ratio Lower Upper

43 100

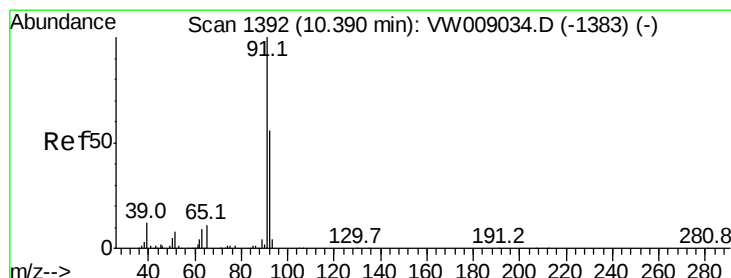
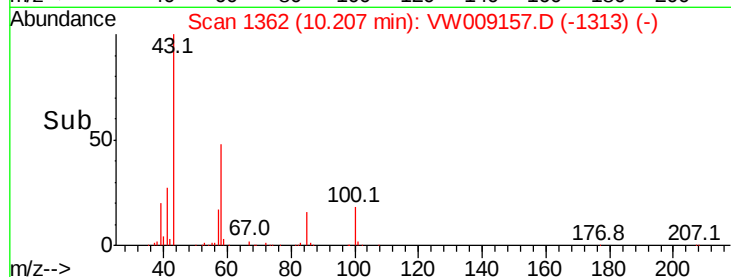
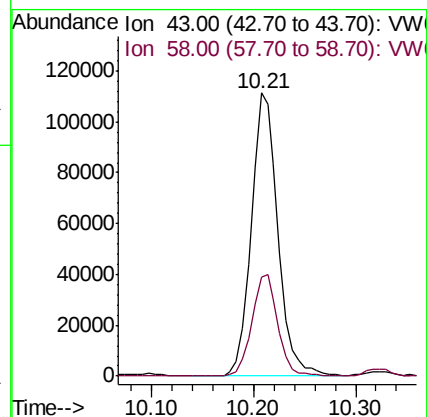
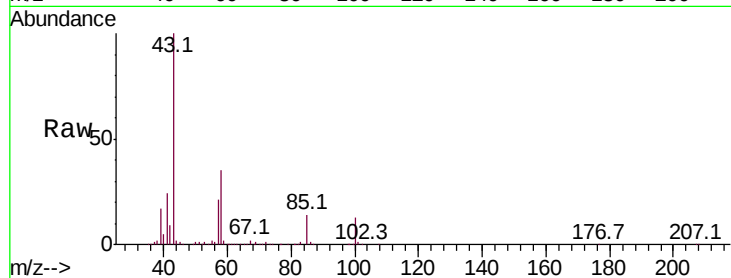
58 35.2 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 20.552 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009157.D

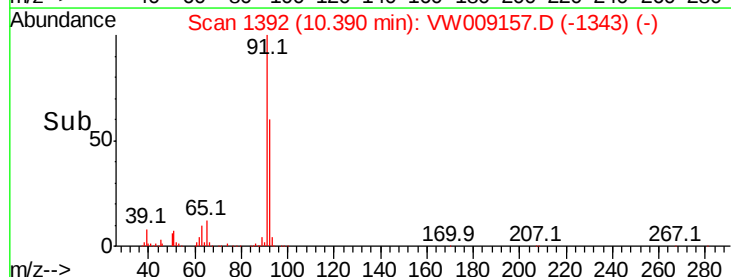
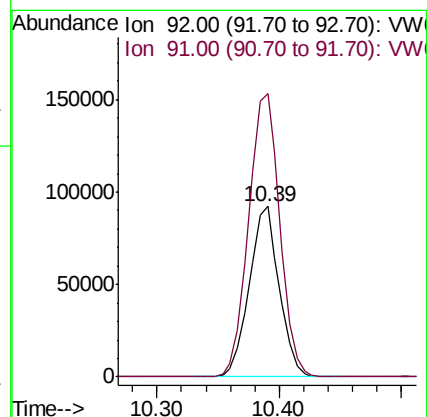
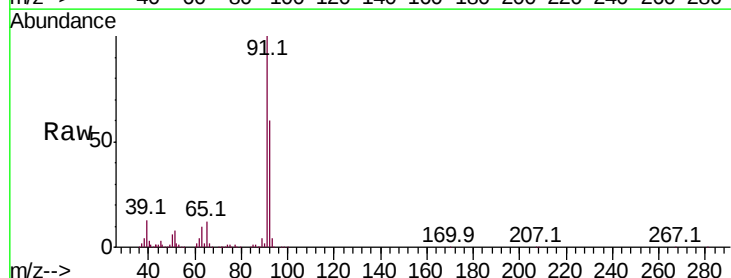
Acq: 13 Mar 2019 16:00

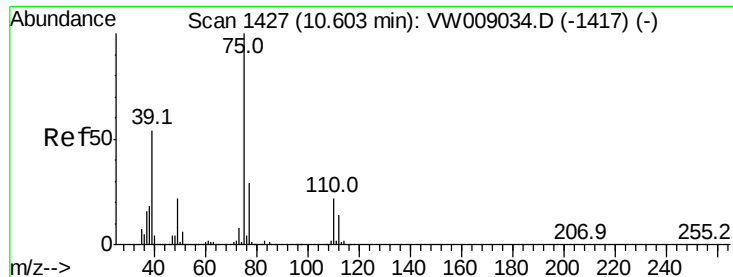
Tgt Ion: 92 Resp: 156648

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 21.197 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W

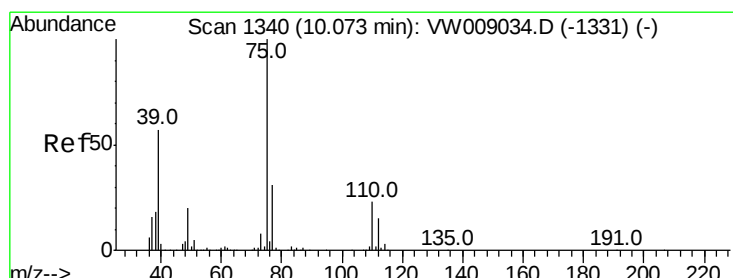
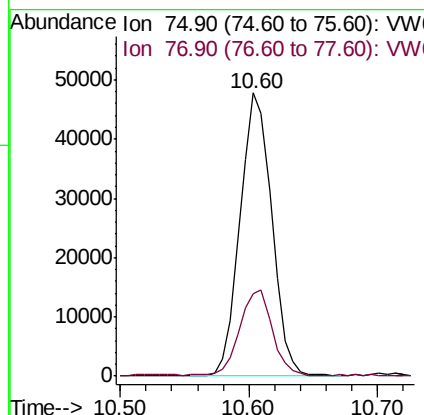
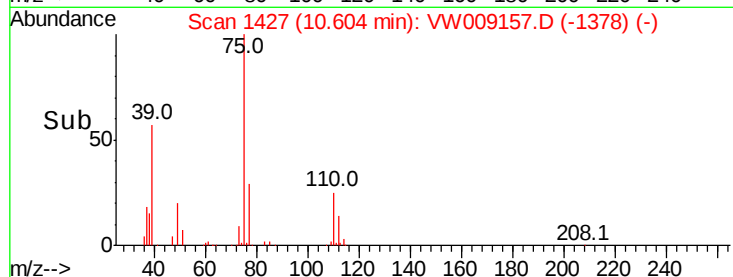
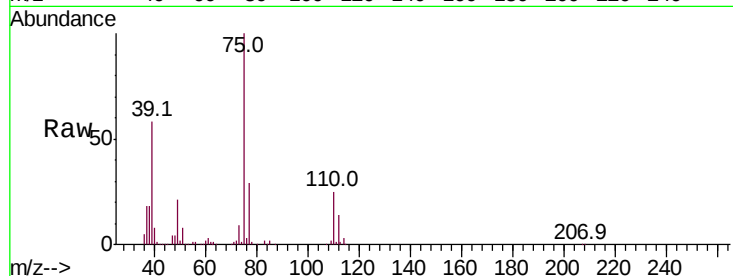
ClientSampled :
VW0313SBSD01

Tot Ion: 75 Resp: 81583

Ion	Ratio	Lower	Upper
75	100		
77	28.5	23.6	35.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.368 ug/l

RT: 10.07 min Scan# 1340

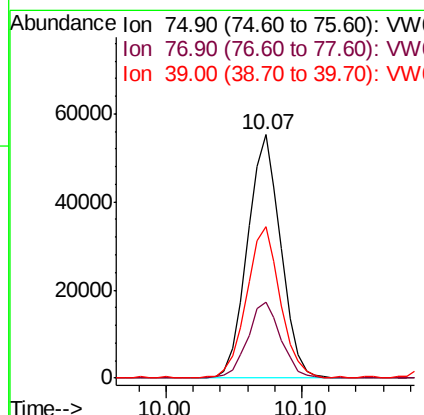
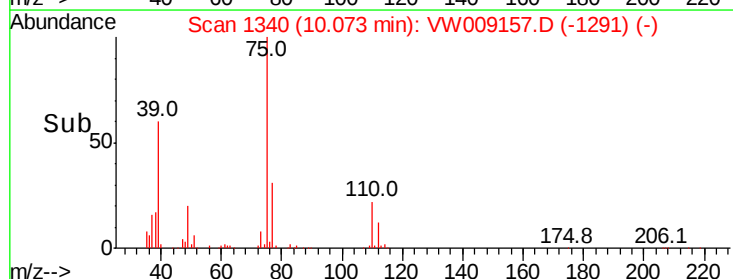
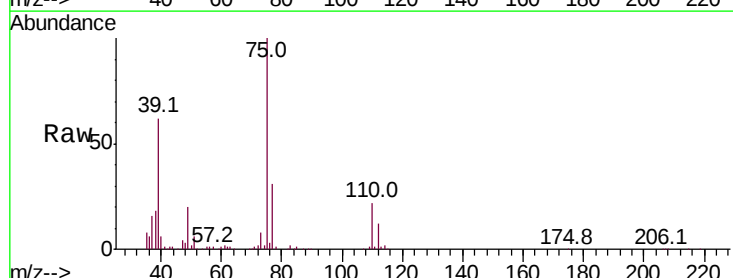
Delta R.T. 0.00 min

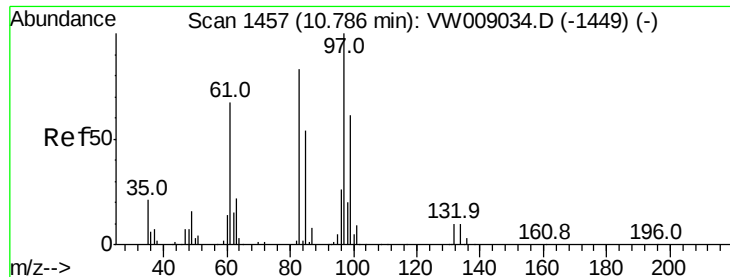
Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion: 75 Resp: 94508

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	61.9	45.9	68.9





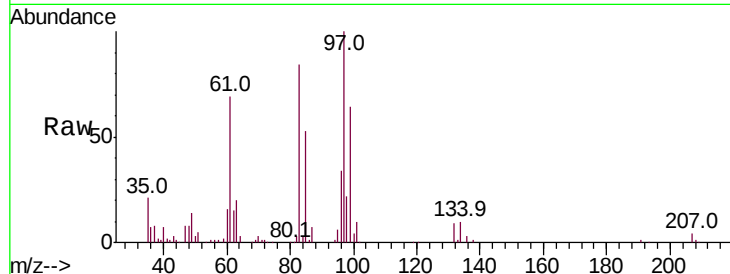
#55
 1,1,2-Trichloroethane
 Concen: 21.022 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

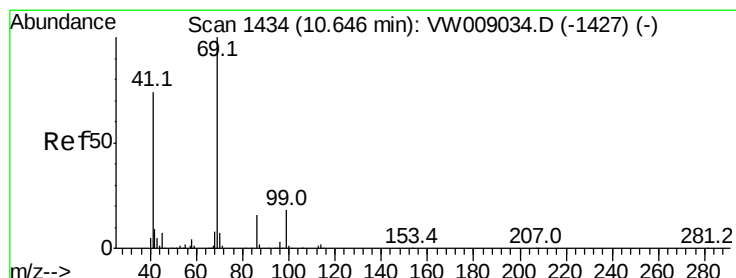
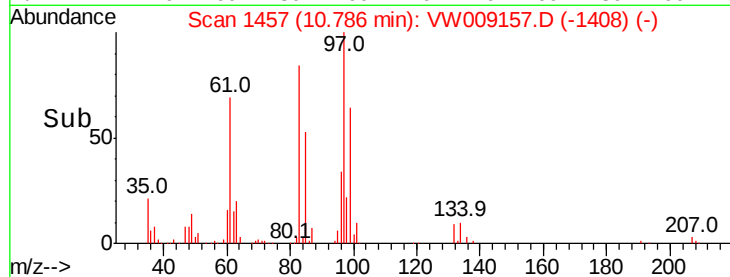
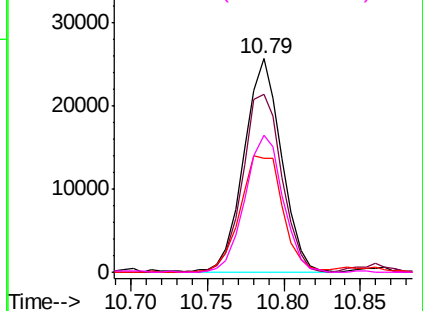
Tot Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.2	99.2
85	53.4	43.6	65.4
99	64.0	49.0	73.4

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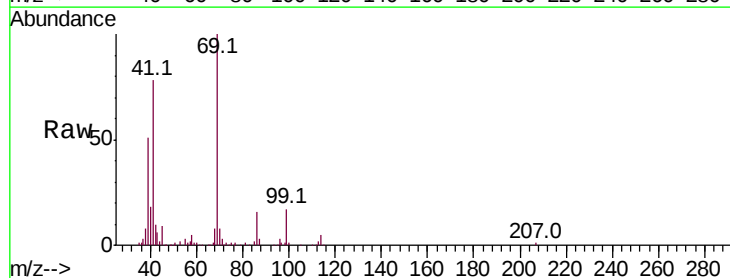


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

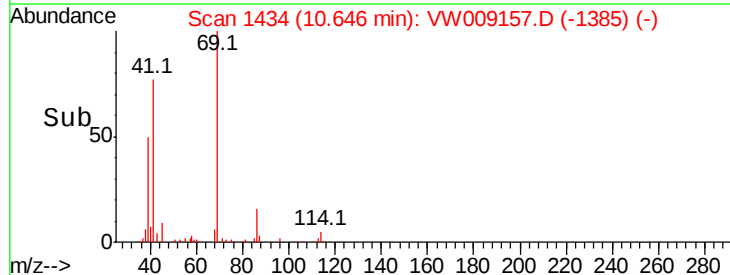
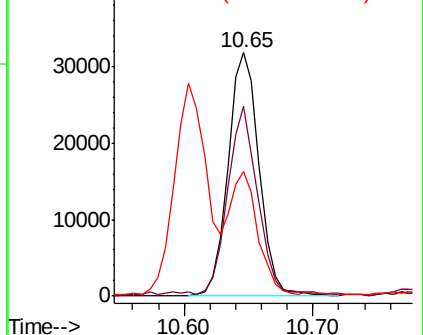


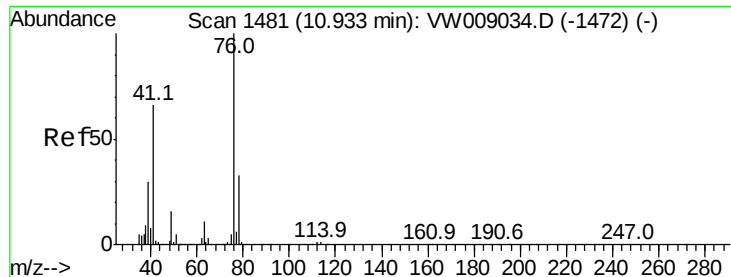
#56
 Ethyl methacrylate
 Concen: 20.689 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.4	89.2
39	45.7	38.5	57.7



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.250 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBSD01

Tot Ion: 76 Resp: 78438

Ion Ratio Lower Upper

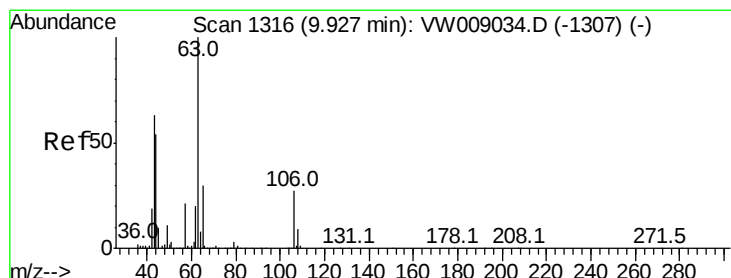
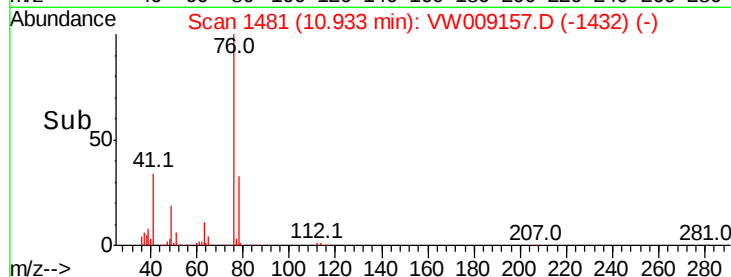
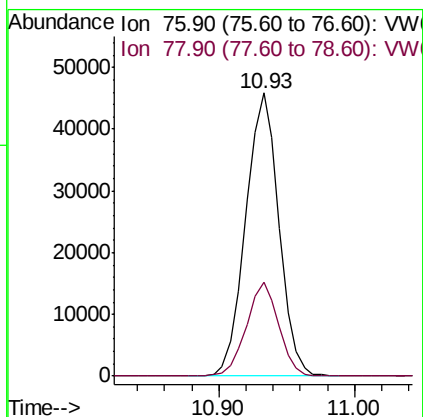
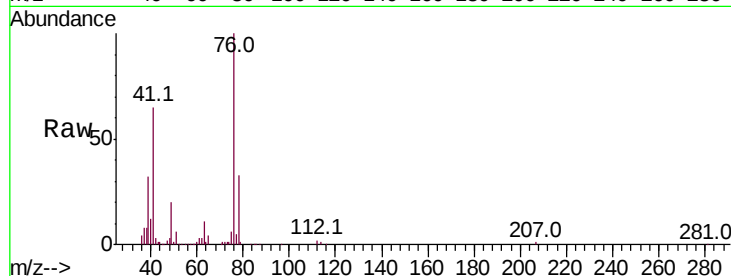
76 100

78 32.3 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 107.453 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW009157.D

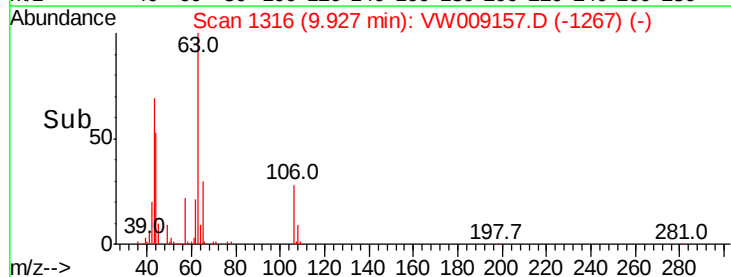
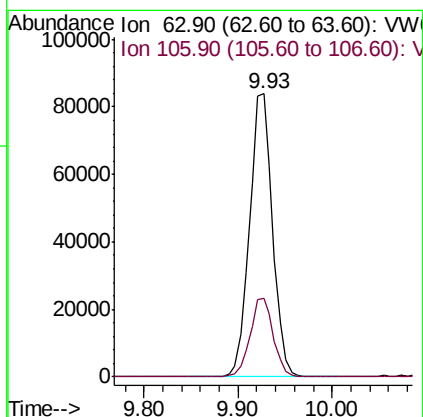
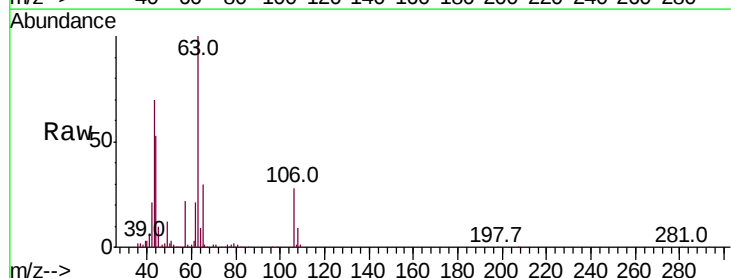
Acq: 13 Mar 2019 16:00

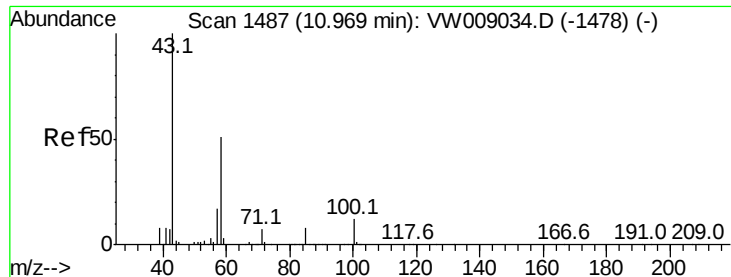
Tgt Ion: 63 Resp: 144049

Ion Ratio Lower Upper

63 100

106 27.8 23.0 34.6





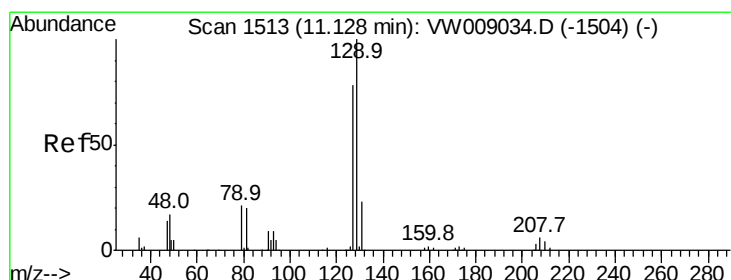
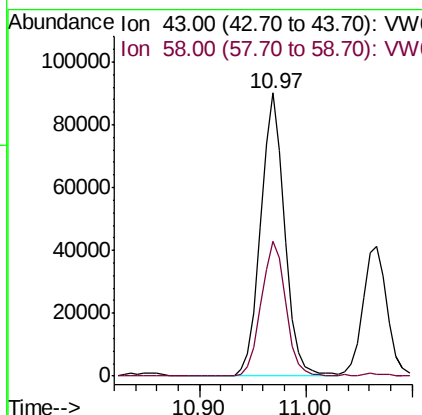
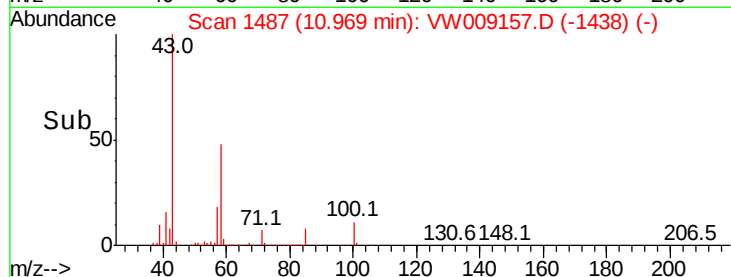
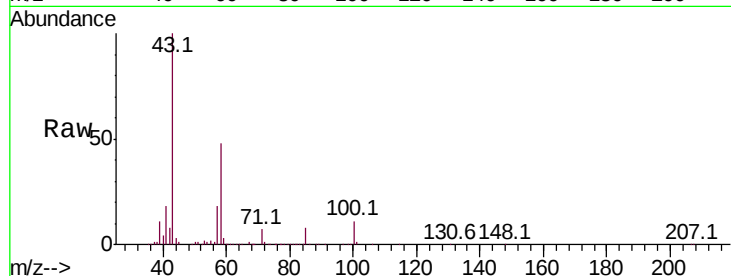
#59
2-Hexanone
Concen: 108.271 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion: 43 Resp: 142337
Ion Ratio Lower Upper
43 100
58 48.8 25.3 75.9

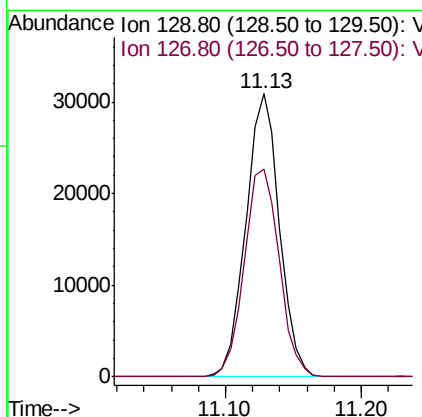
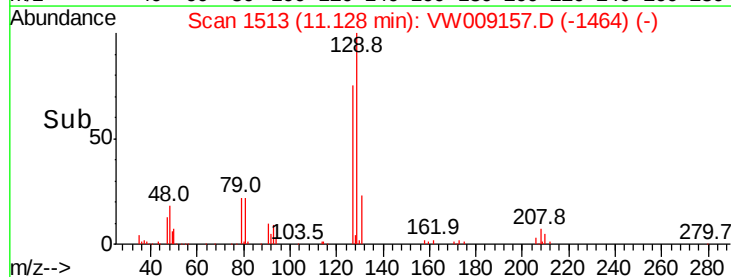
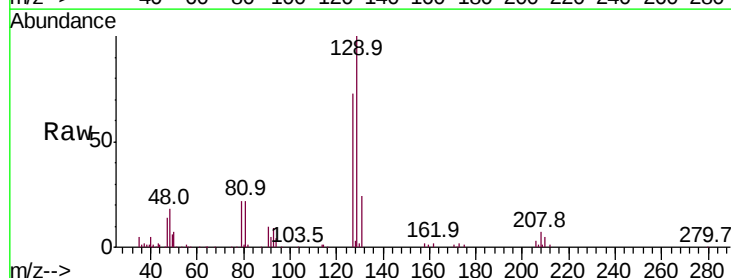
Manual Integrations
APPROVED

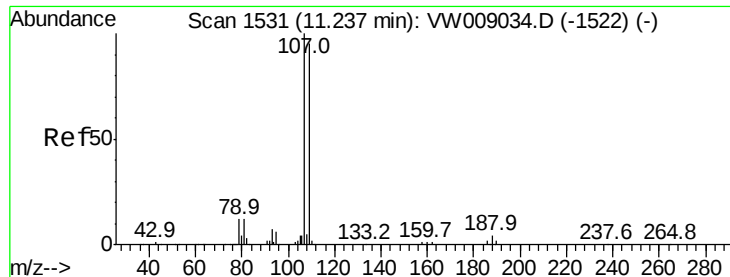
MMDadoda
3/14/2019 12:43:42 PM



#60
Dibromochloromethane
Concen: 20.699 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 129 Resp: 53375
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1





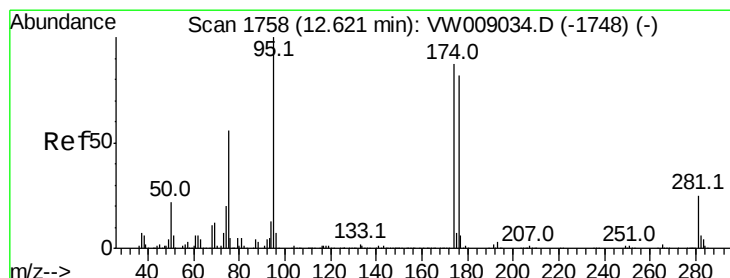
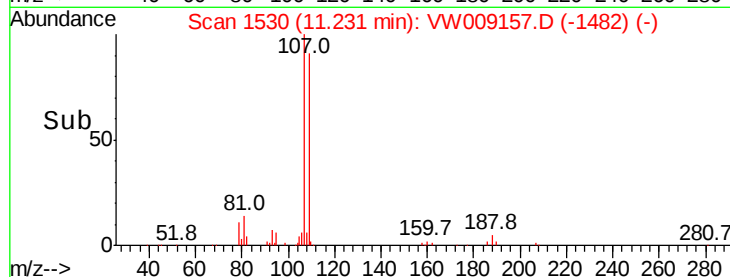
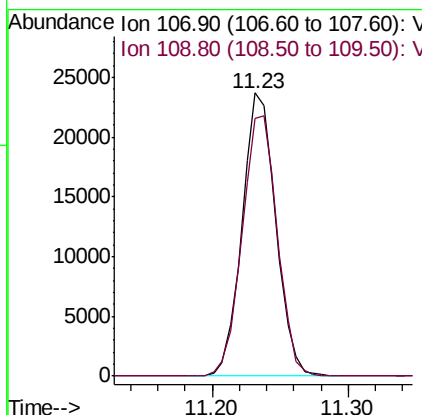
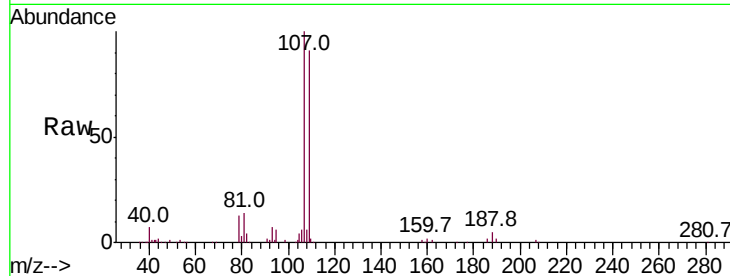
#61
 1,2-Dibromoethane
 Concen: 20.134 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBSD01

Tot Ion: 107 Resp: 41126
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.7 112.1

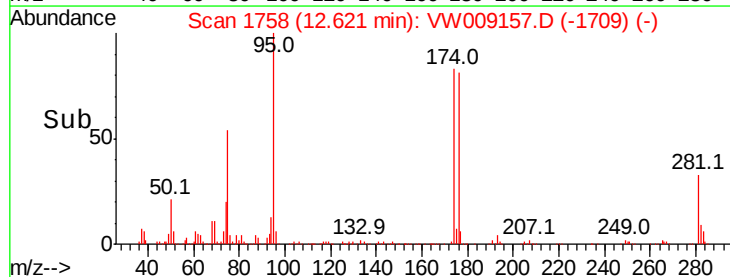
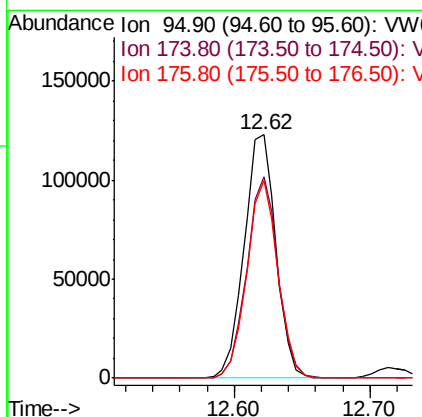
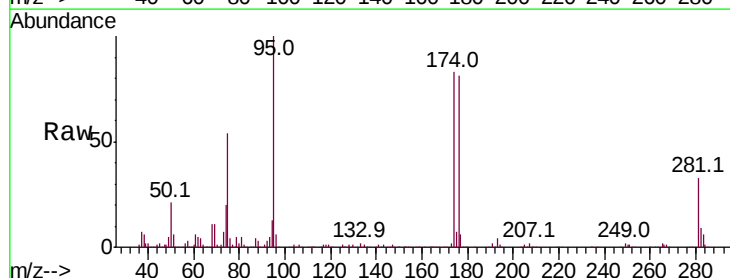
Manual Integrations
 APPROVED

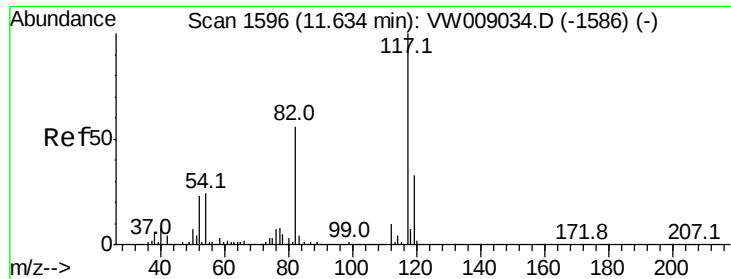
MMDadoda
 3/14/2019 12:43:42 PM



#62
 4-Bromofluorobenzene
 Concen: 51.234 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion: 95 Resp: 200822
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 167.0
 176 79.2 0.0 159.4





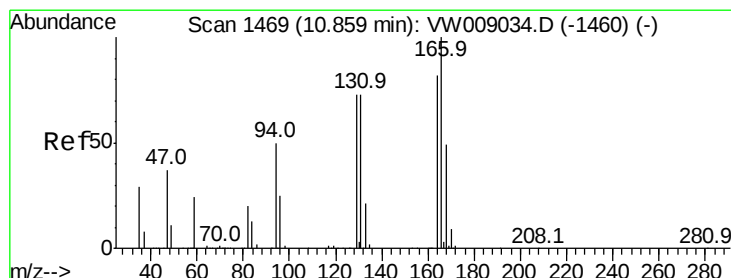
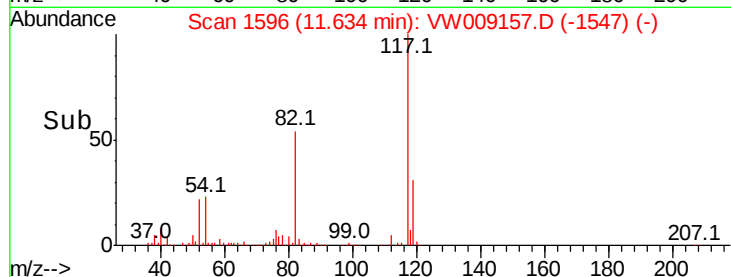
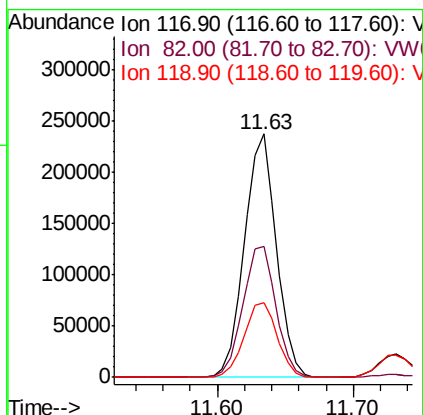
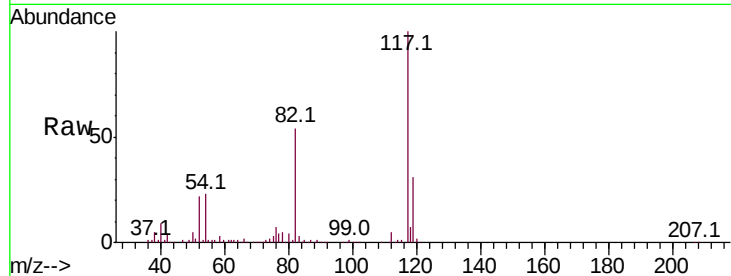
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.6
119	30.5	26.6	39.8

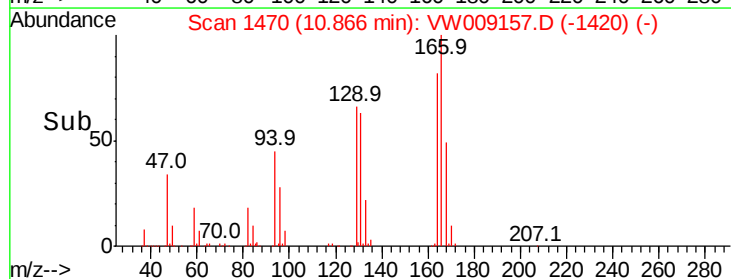
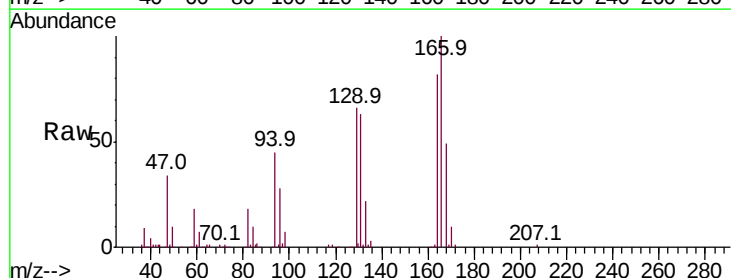
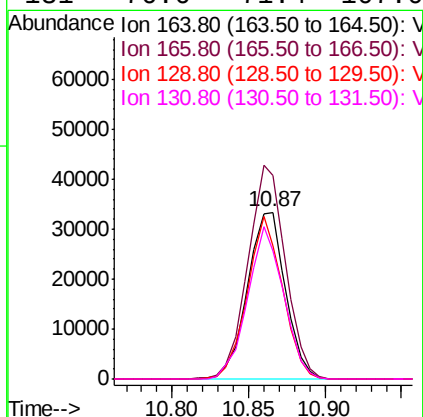
Manual Integrations
APPROVED

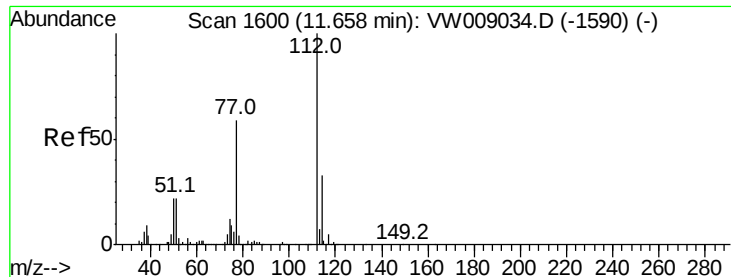
MMDadoda
3/14/2019 12:43:42 PM



#64
Tetrachloroethene
Concen: 20.521 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	97.8	146.6
129	79.8	71.6	107.4
131	76.6	71.4	107.0





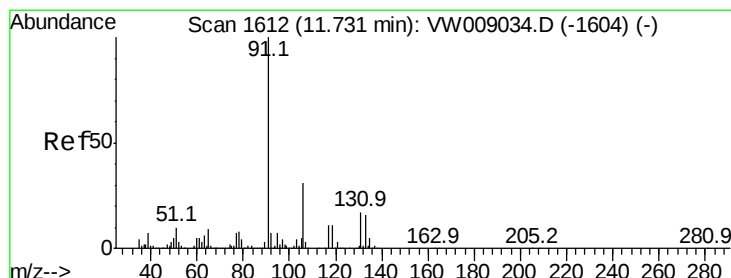
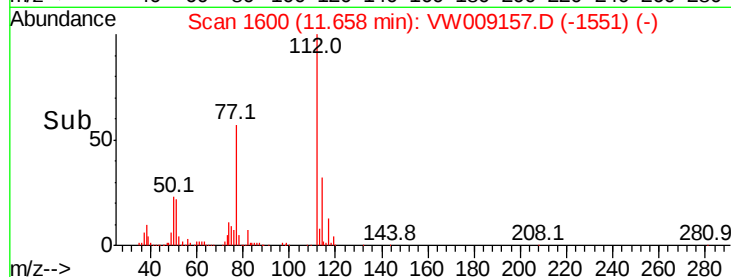
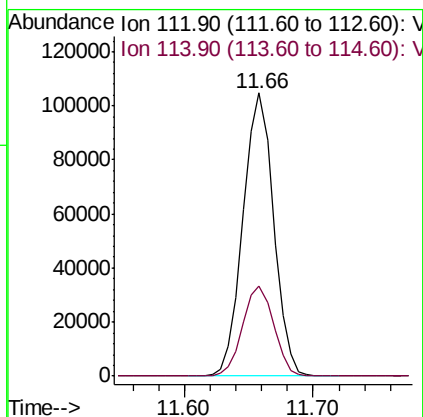
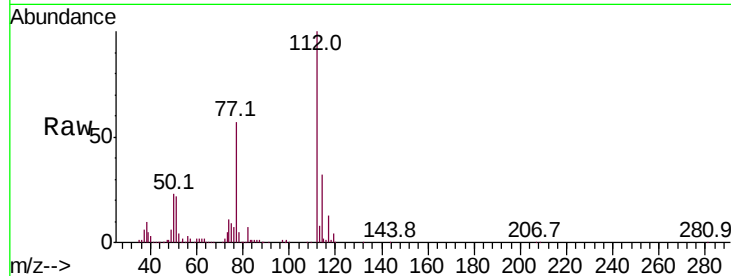
#65
Chlorobenzene
Concen: 20.317 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion:112 Resp: 171934
Ion Ratio Lower Upper
112 100
114 31.7 26.6 40.0

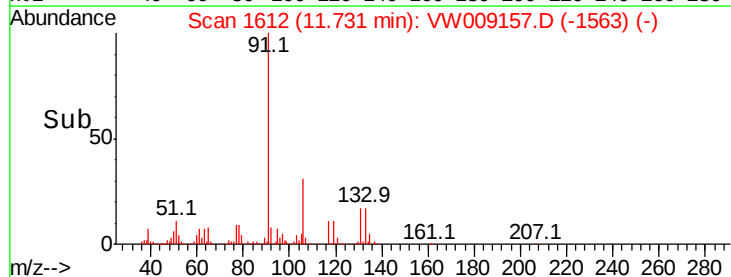
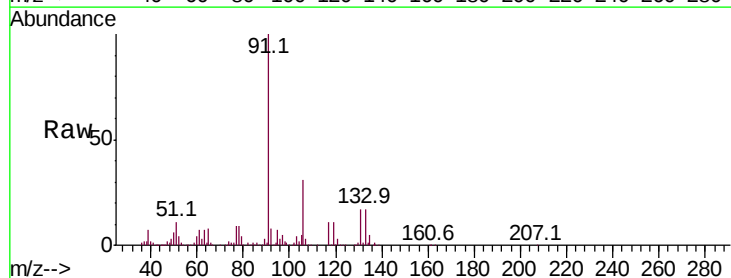
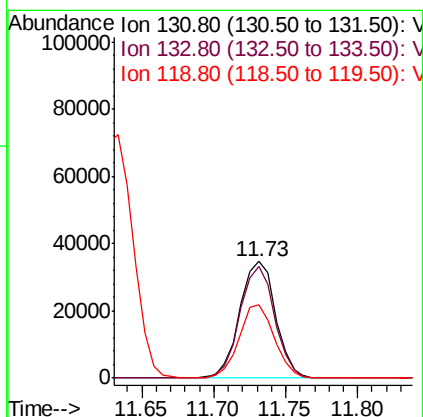
Manual Integrations
APPROVED

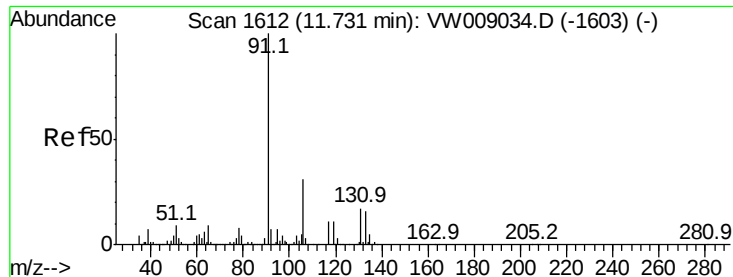
MMDadoda
3/14/2019 12:43:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.297 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion:131 Resp: 60179
Ion Ratio Lower Upper
131 100
133 92.9 47.6 142.8
119 62.0 31.3 93.8





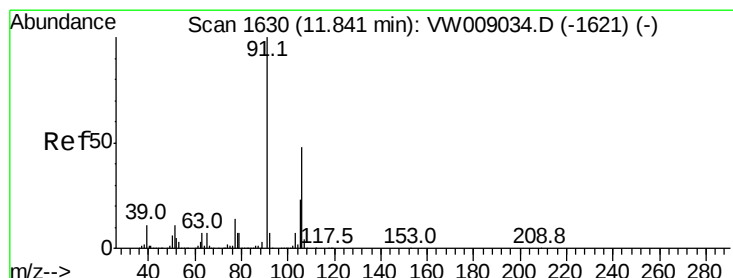
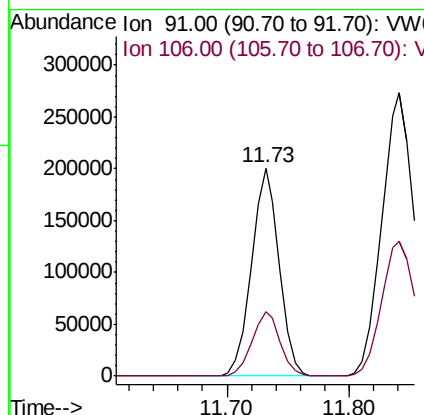
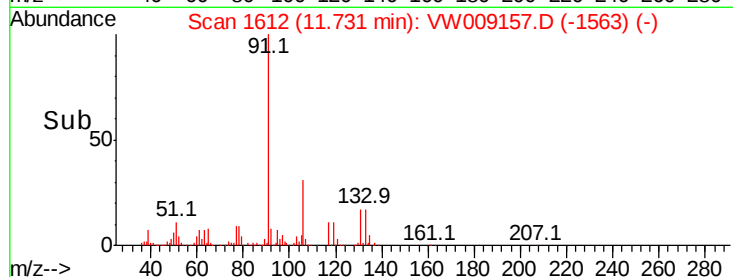
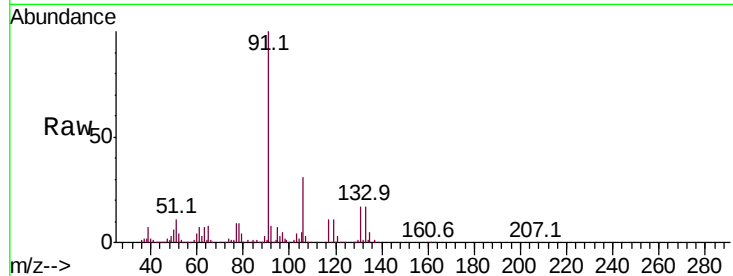
#67
Ethyl Benzene
Concen: 20.576 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion: 91 Resp: 314572
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

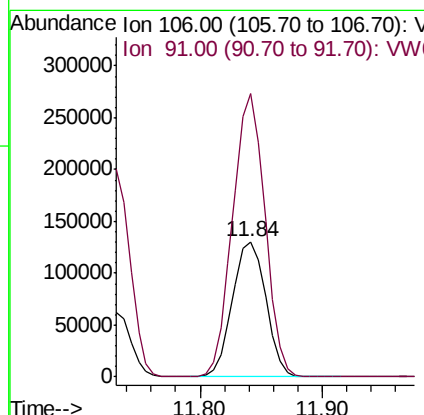
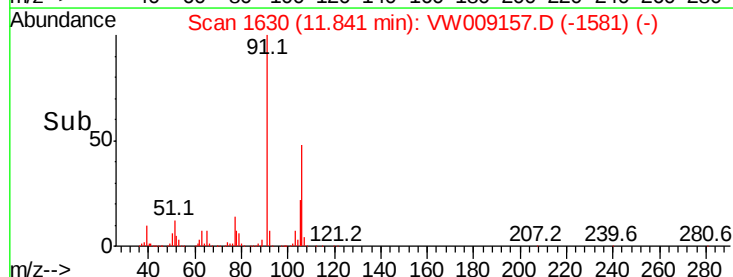
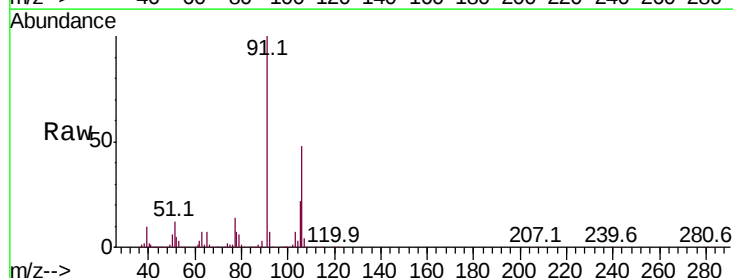
Manual Integrations
APPROVED

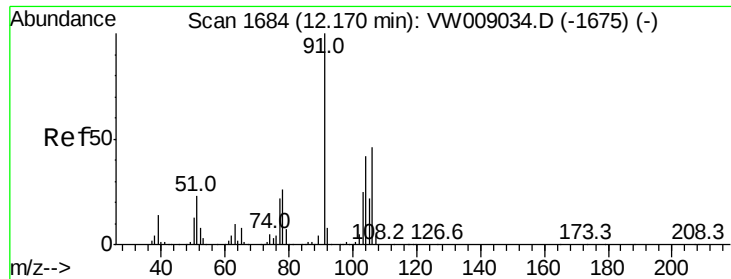
MMDadoda
3/14/2019 12:43:42 PM



#68
m/p-Xylenes
Concen: 40.823 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 106 Resp: 246347
Ion Ratio Lower Upper
106 100
91 203.3 163.2 244.8





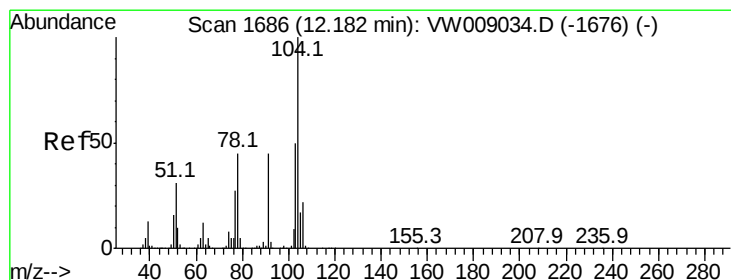
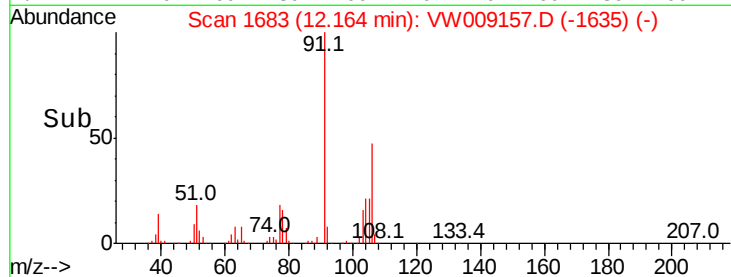
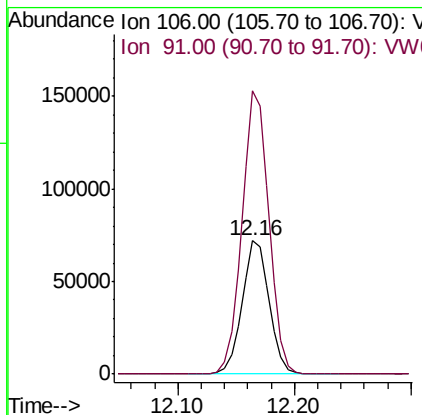
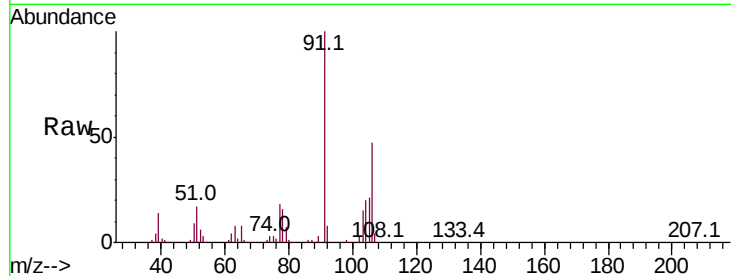
#69
o-Xylene
Concen: 20.661 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.0	108.6	325.6

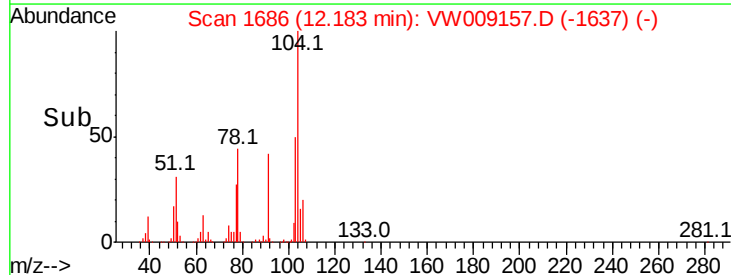
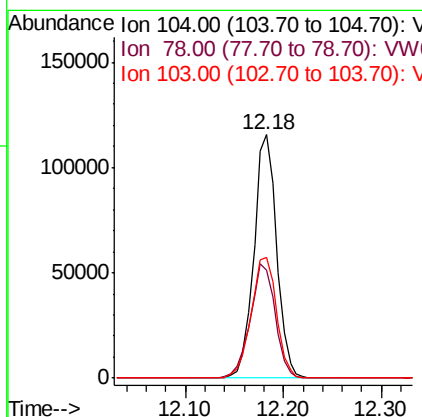
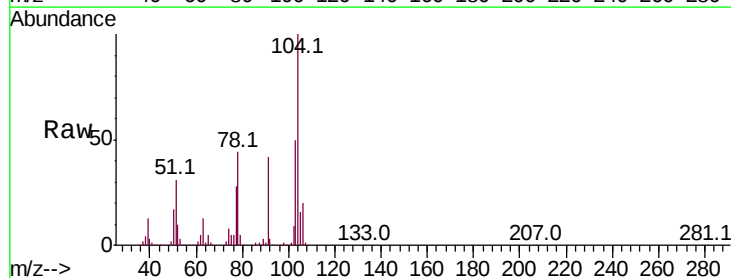
Manual Integrations
APPROVED

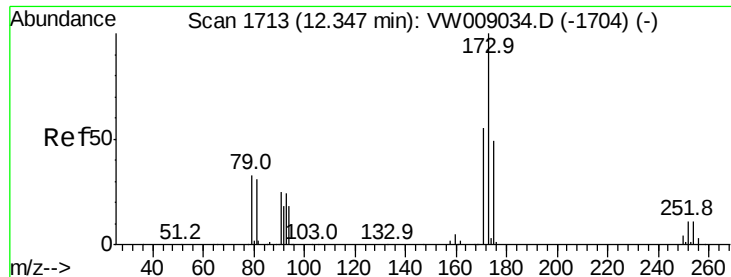
MMDadoda
3/14/2019 12:43:42 PM



#70
Styrene
Concen: 20.500 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.1	63.1
103	55.6	43.9	65.9





#71

Bromoform

Concen: 20.273 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion:173 Resp: 30759

Ion Ratio Lower Upper

173 100

175 49.3 24.6 74.0

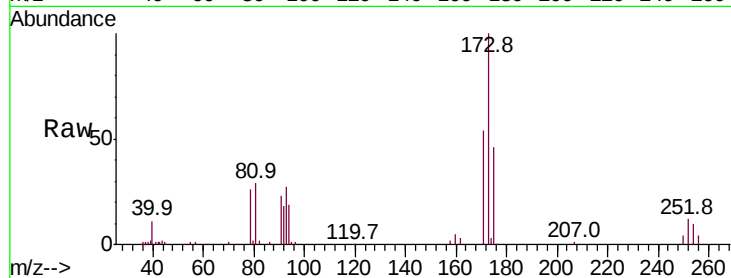
254 0.0 0.0 0.0

Manual Integrations

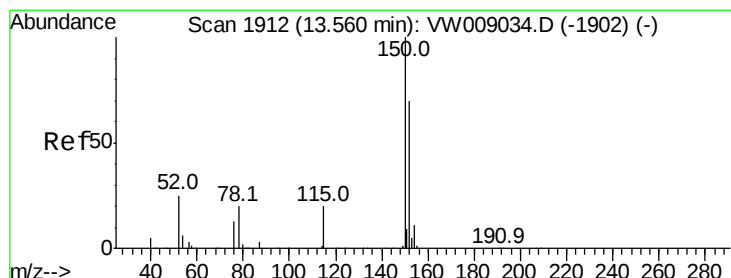
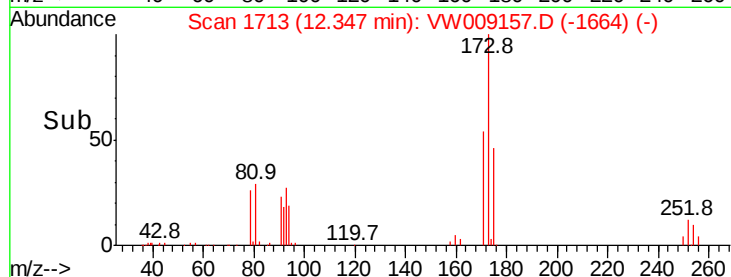
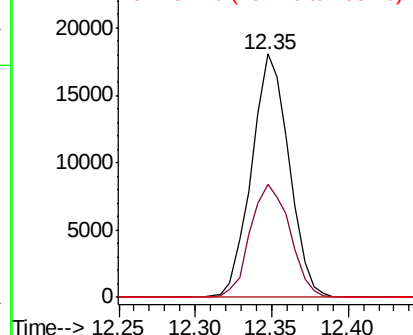
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3/14/2019 12:43:42 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

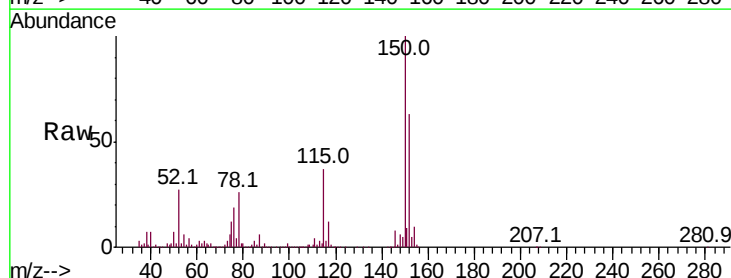
Tgt Ion:152 Resp: 211436

Ion Ratio Lower Upper

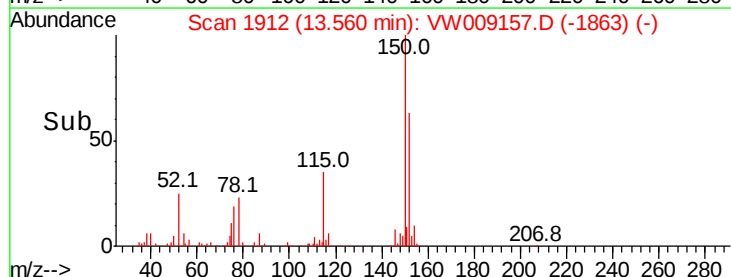
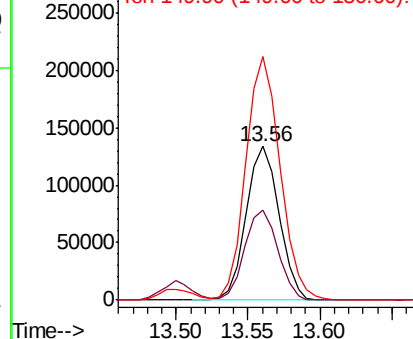
152 100

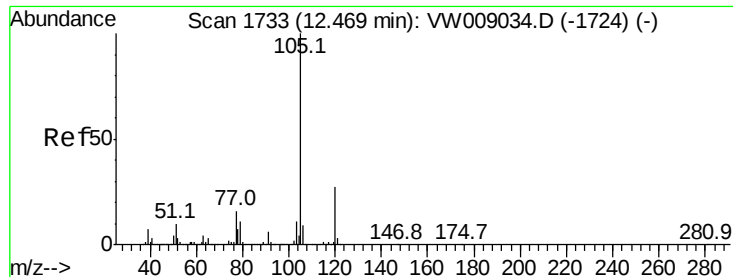
115 59.5 28.9 86.7

150 165.0 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.945 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313BSD01

Tot Ion:105 Resp: 317137

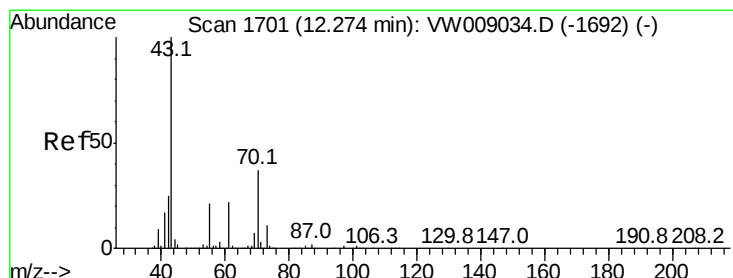
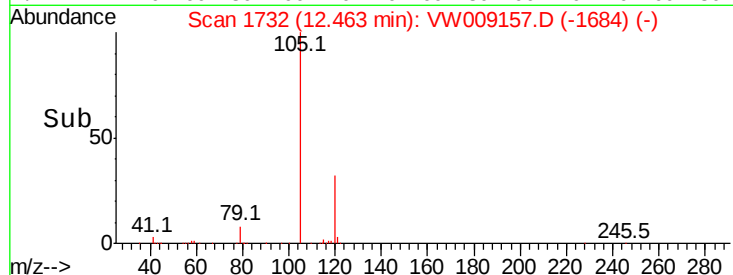
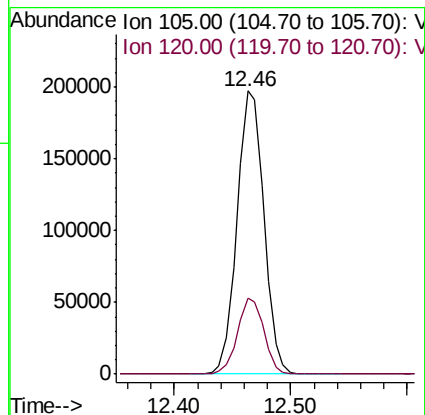
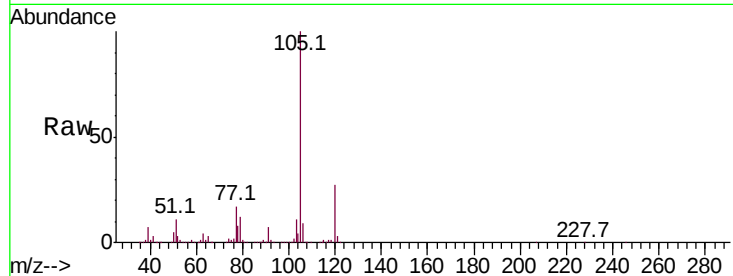
Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.311 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion: 43 Resp: 76387

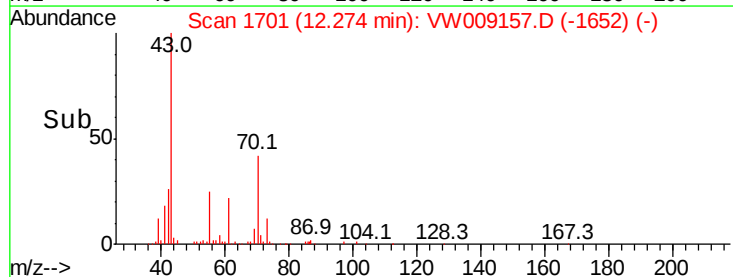
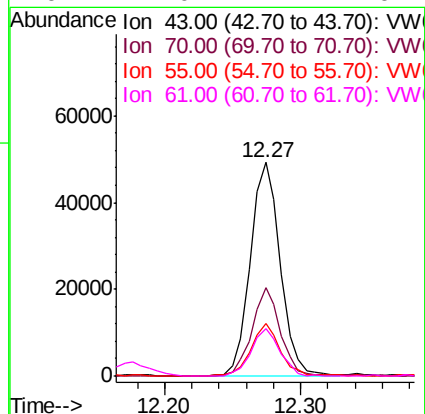
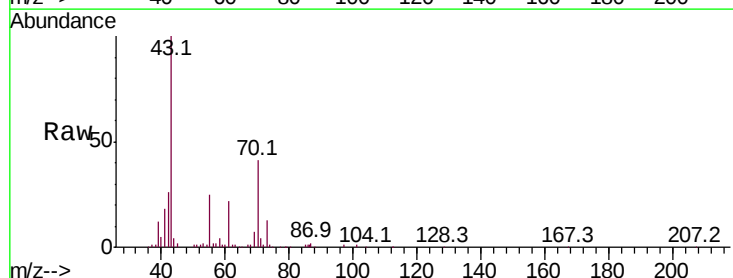
Ion Ratio Lower Upper

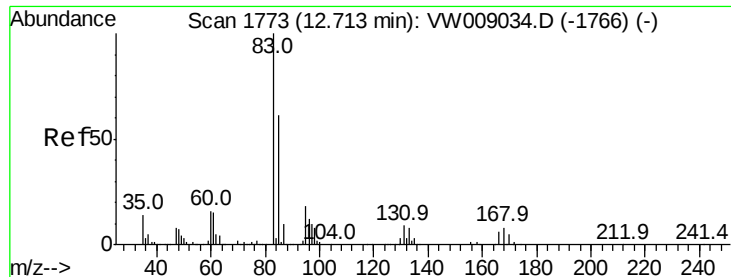
43 100

70 38.6 30.8 46.2

55 24.4 17.8 26.8

61 21.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.671 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

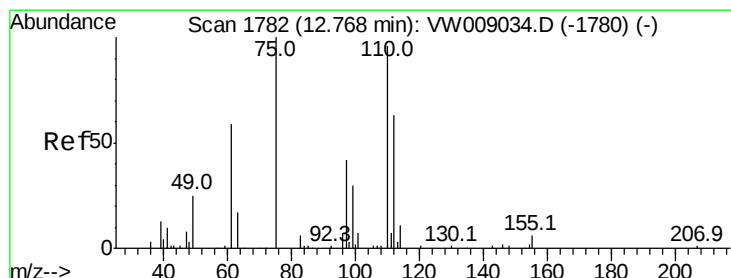
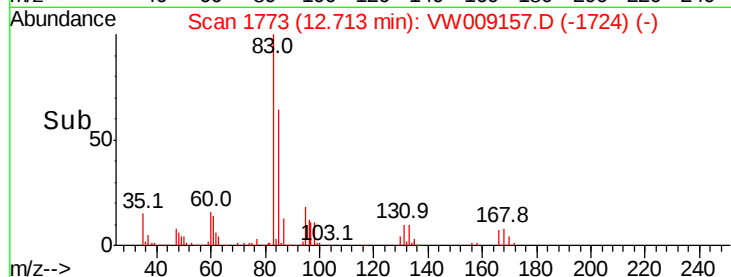
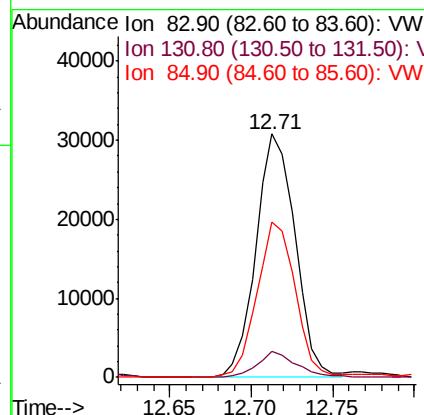
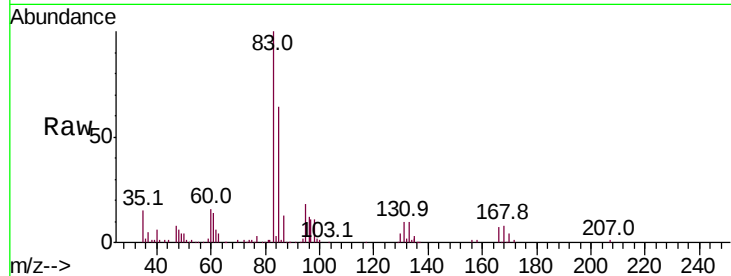
ClientSampleId :

VW0313SBS01

Tot Ion:	83	Resp:	51758
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	62.1	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.607 ug/l m

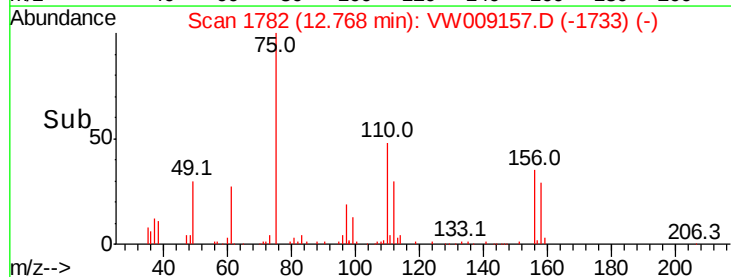
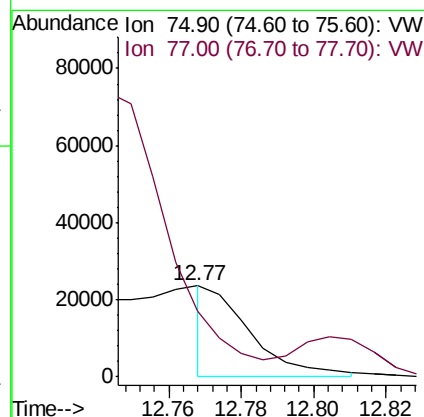
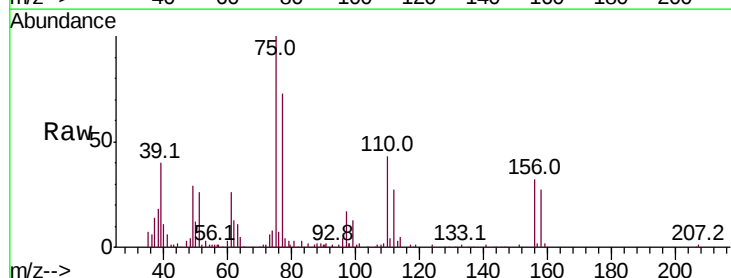
RT: 12.77 min Scan# 1782

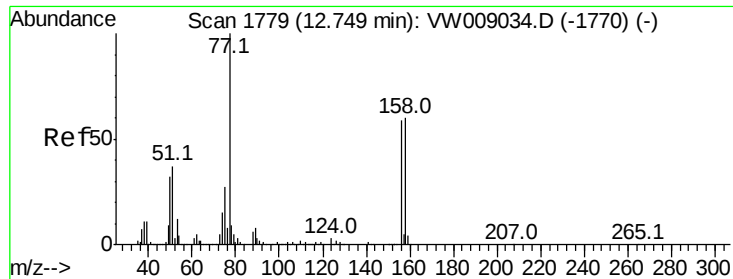
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	75	Resp:	19389
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 20.713 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

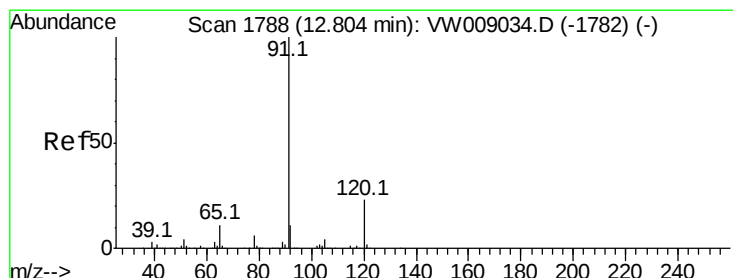
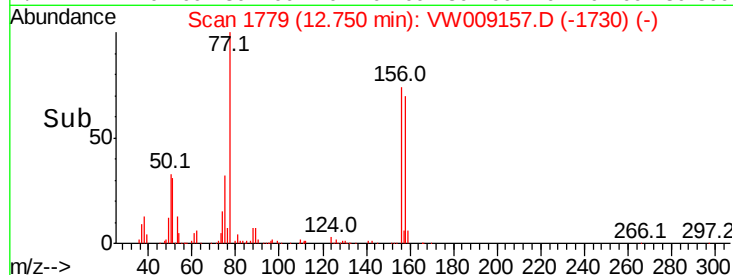
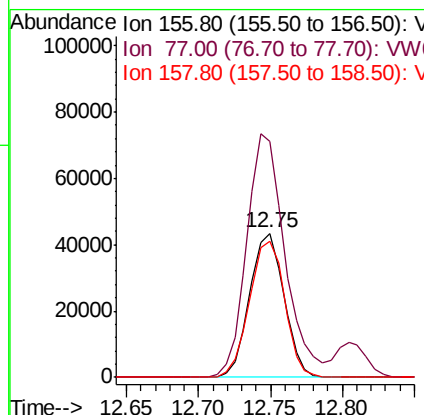
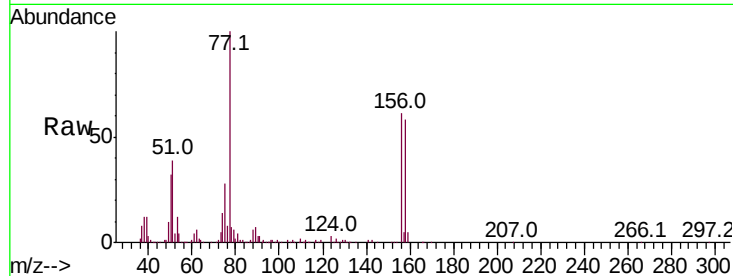
ClientSampleId :

VW0313SBS01

Tot Ion:	156	Resp:	71657
Ion Ratio	Lower	Upper	
156	100		
77	188.0	93.0	279.2
158	97.2	50.0	149.8

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#78

n-propylbenzene

Concen: 21.081 ug/l

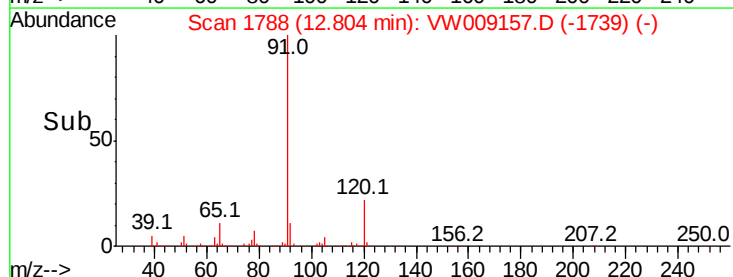
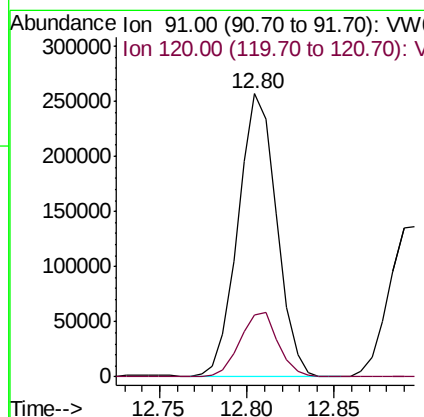
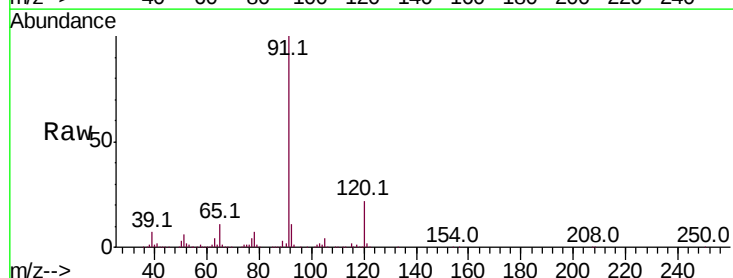
RT: 12.80 min Scan# 1788

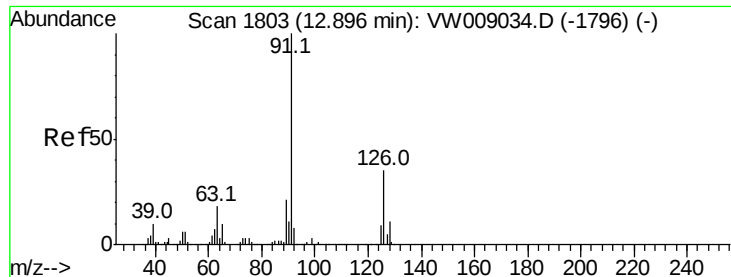
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	91	Resp:	393158
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.4	34.2





#79

2-Chlorotoluene

Concen: 21.203 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBSD01

Tot Ion: 91 Resp: 222179

Ion Ratio Lower Upper

91 100

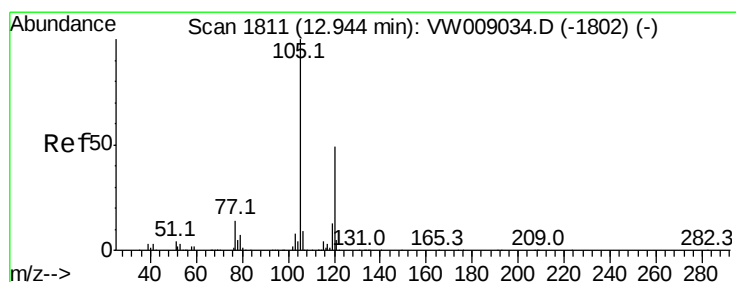
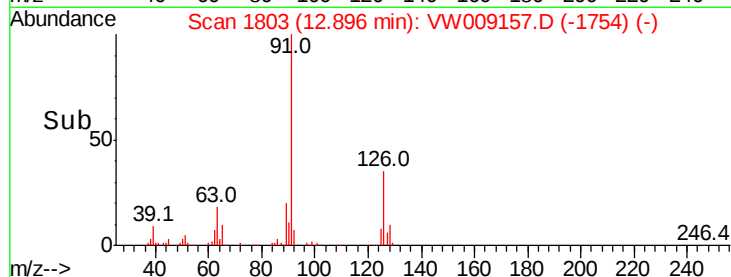
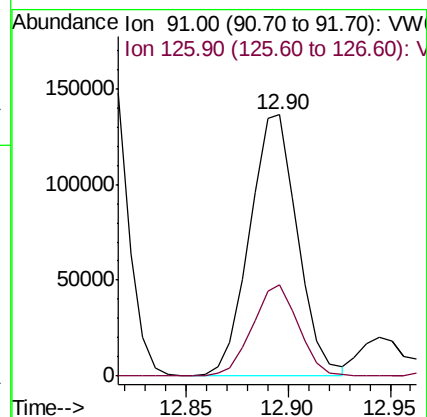
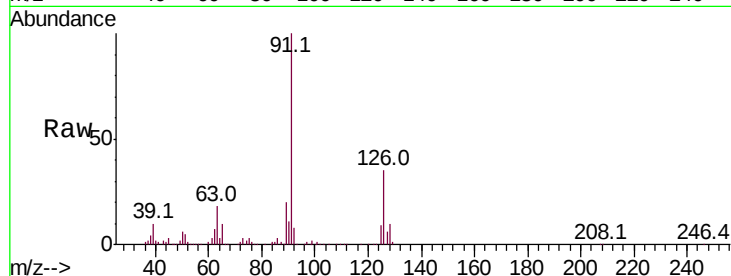
126 33.7 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.553 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009157.D

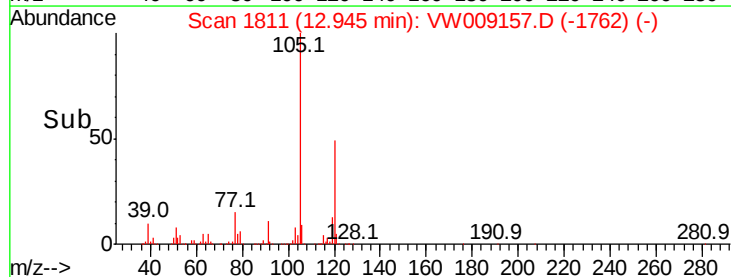
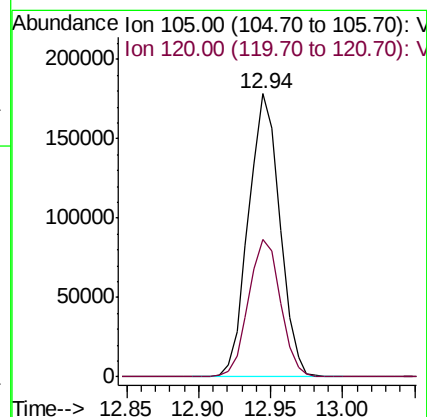
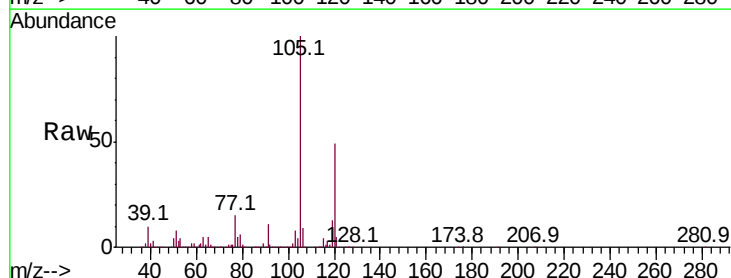
Acq: 13 Mar 2019 16:00

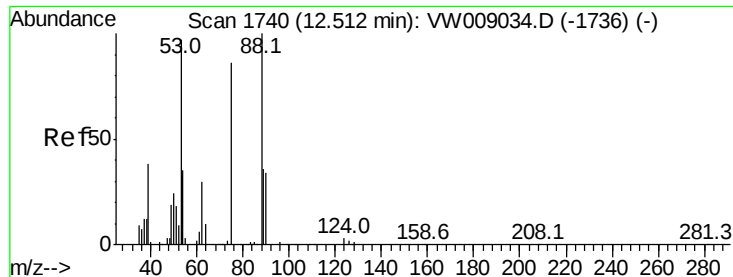
Tgt Ion:105 Resp: 268246

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





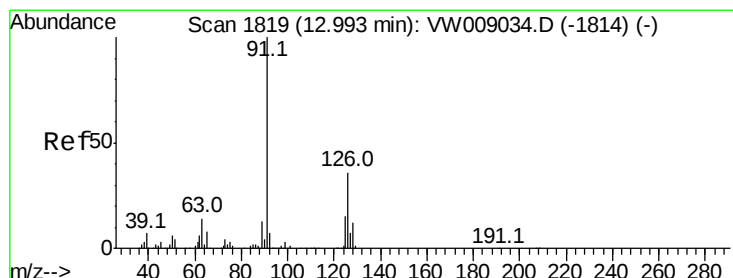
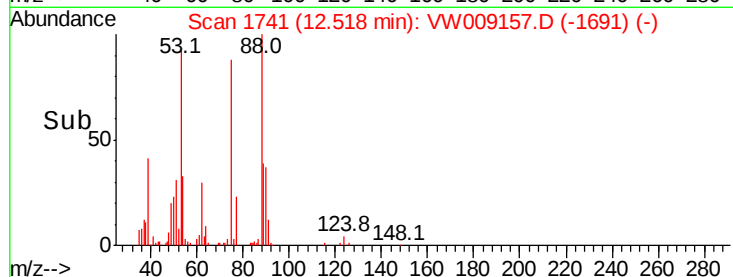
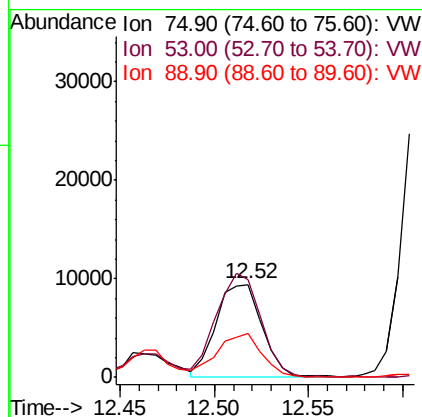
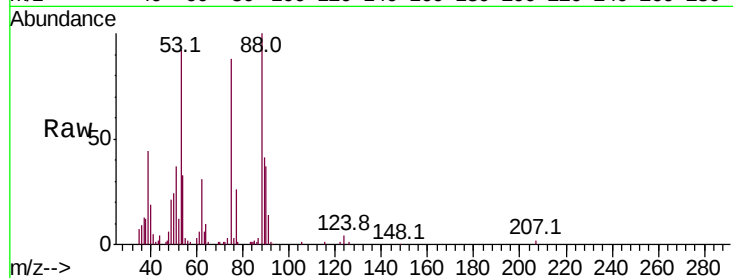
#81
trans-1,4-Dichloro-2-butene
Concen: 21.574 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.1	90.5	135.7
89	45.3	37.5	56.3

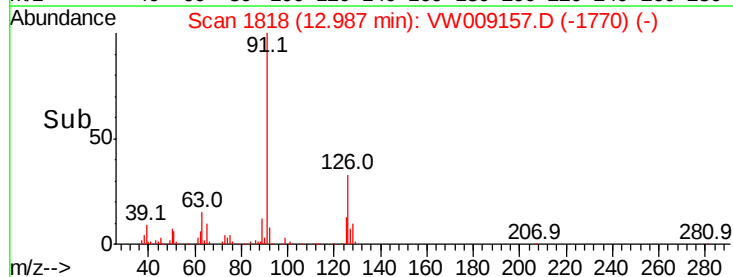
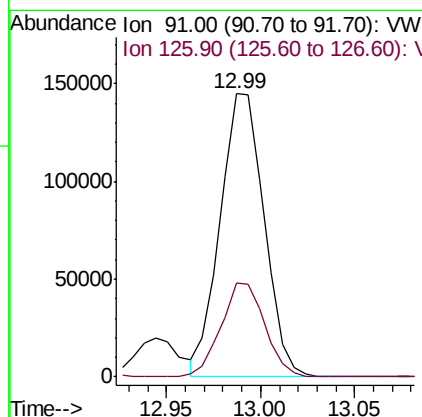
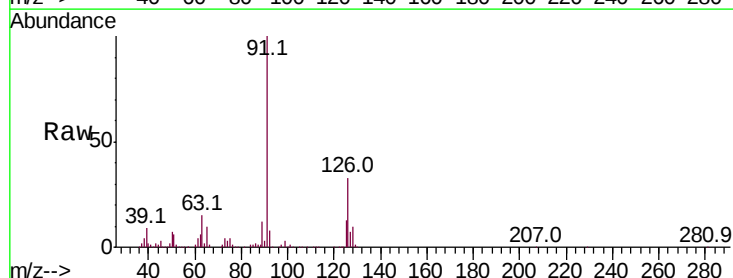
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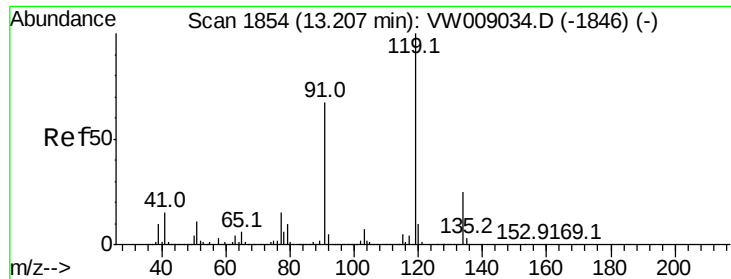
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#82
4-Chlorotoluene
Concen: 20.950 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8





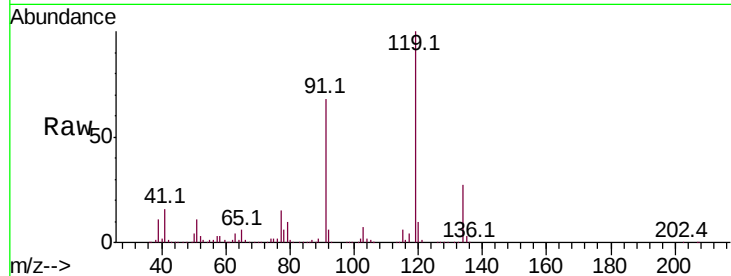
#83
tert-Butylbenzene
Concen: 20.920 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230277		
91	68.3	34.2	102.5	
134	27.6	13.9	41.6	

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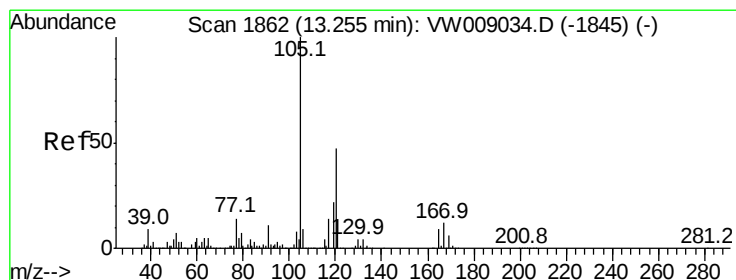
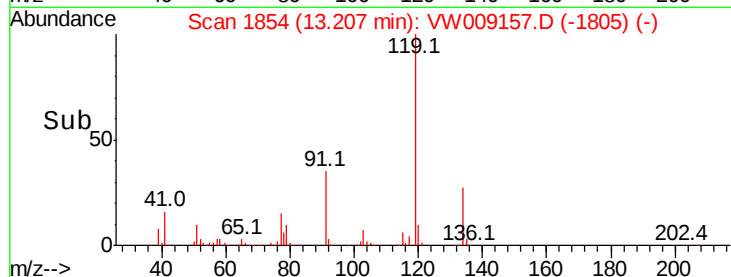
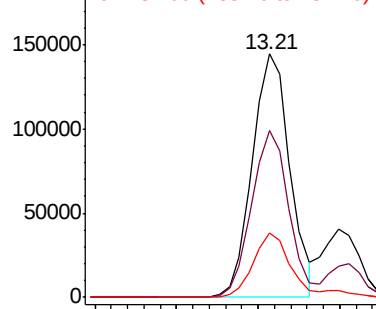


Abundance

Ion 119.00 (118.70 to 119.70): V

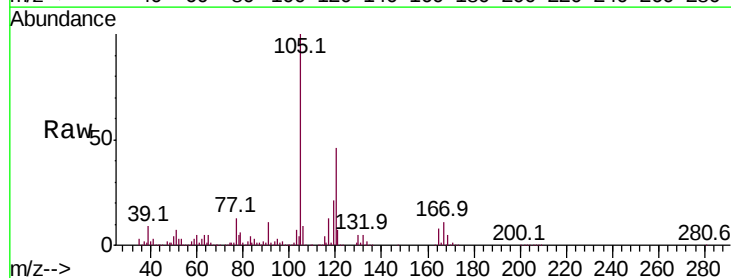
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 20.788 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

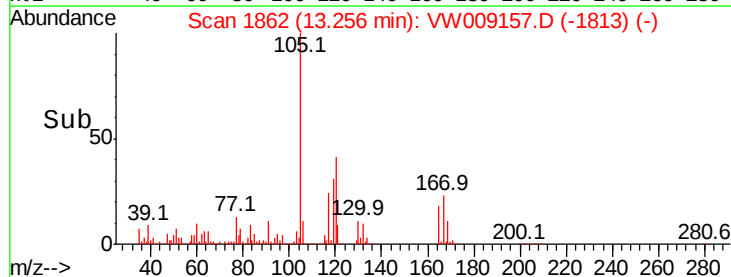
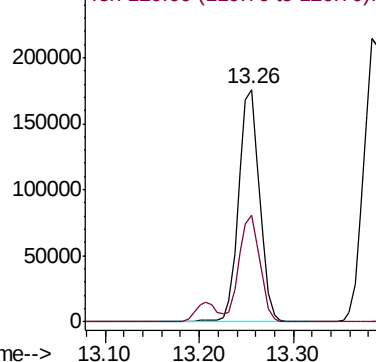
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274463		
120	45.8	22.8	68.4	

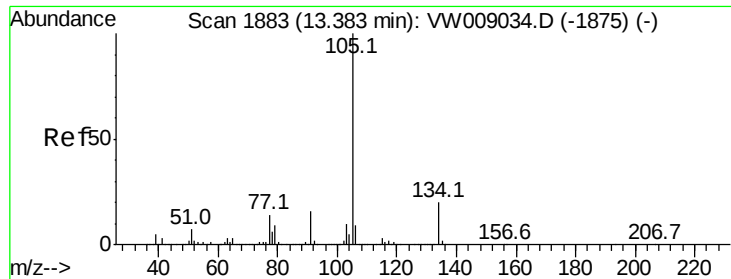


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





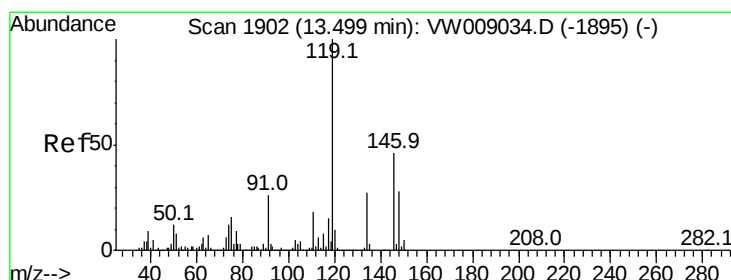
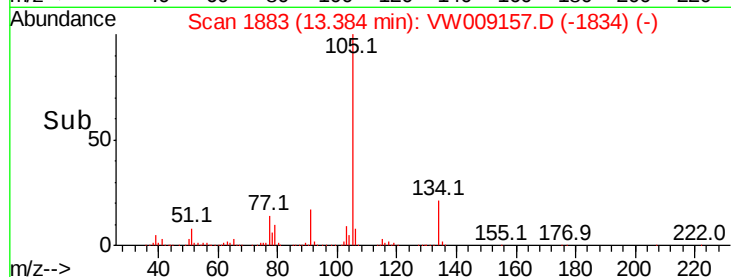
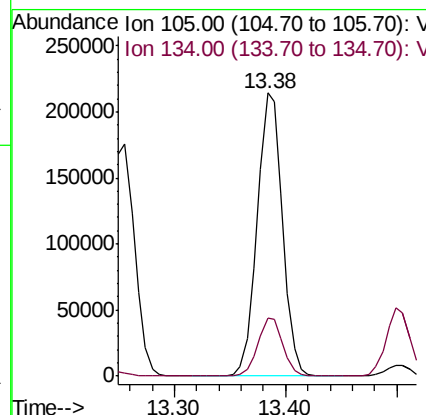
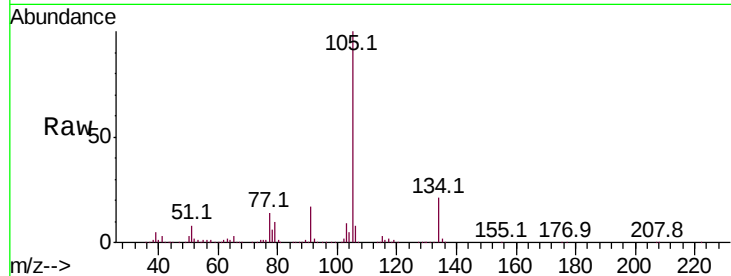
#85
 sec-Butylbenzene
 Concen: 20.772 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

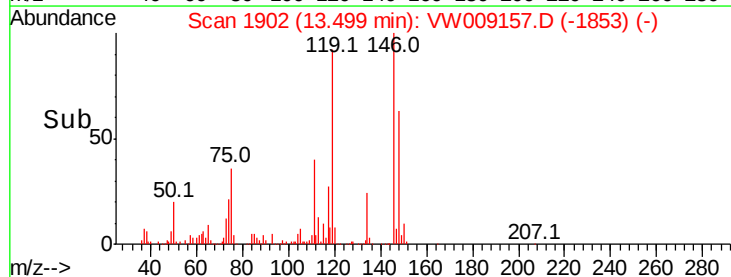
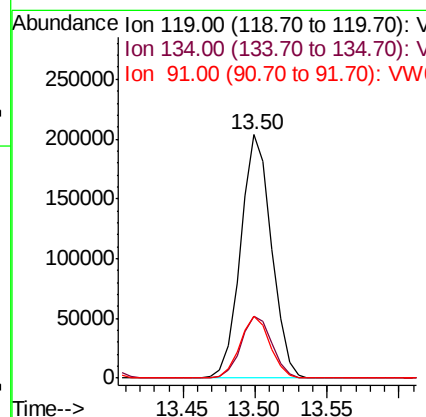
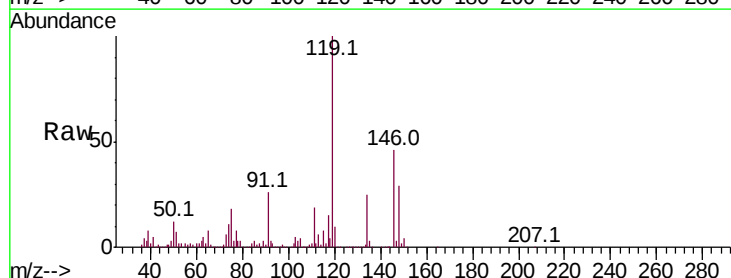
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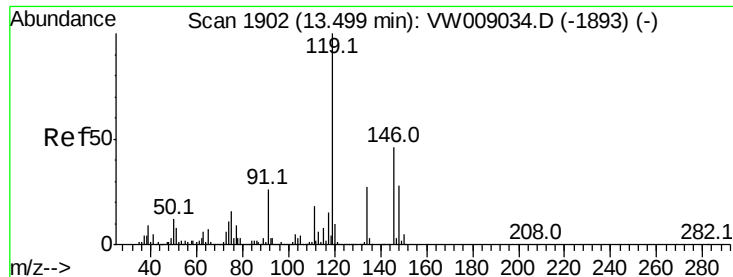
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#86
 p-Isopropyltoluene
 Concen: 20.647 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.3	39.9
91	25.1	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 20.890 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

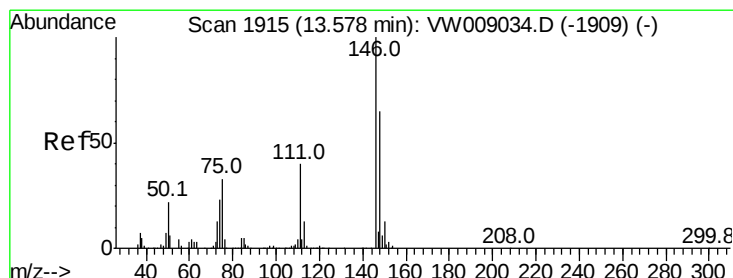
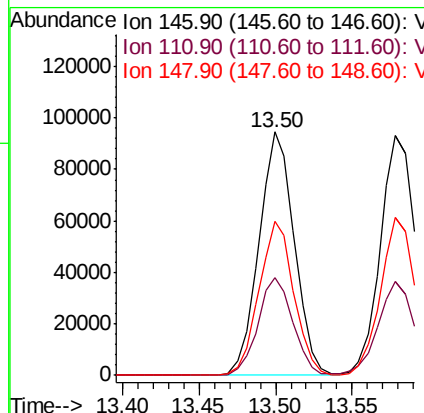
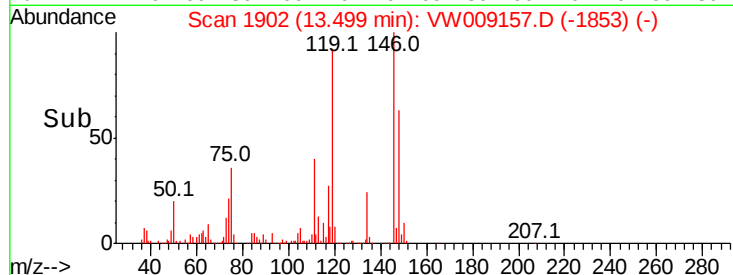
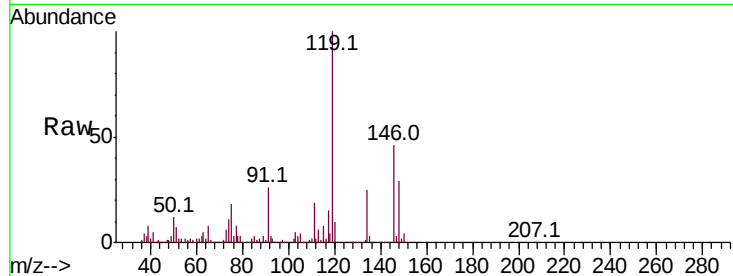
ClientSampleId :

VW0313SBSD01

Tot Ion:	146	Resp:	151882
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.8	59.4
148	62.6	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 20.924 ug/l

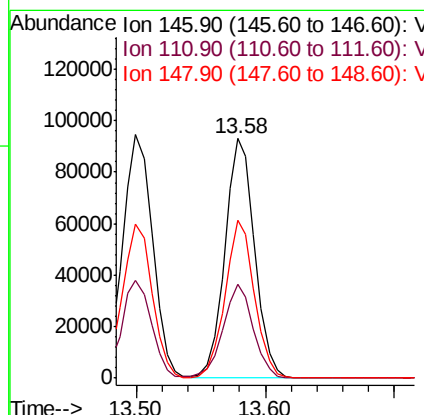
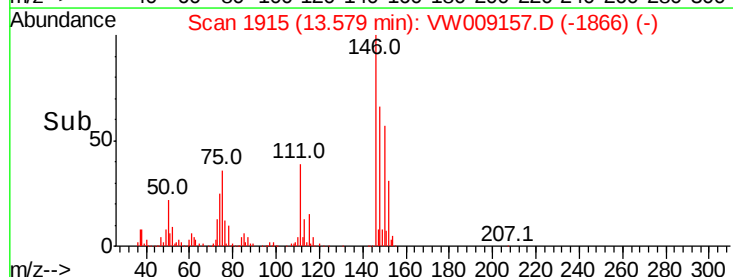
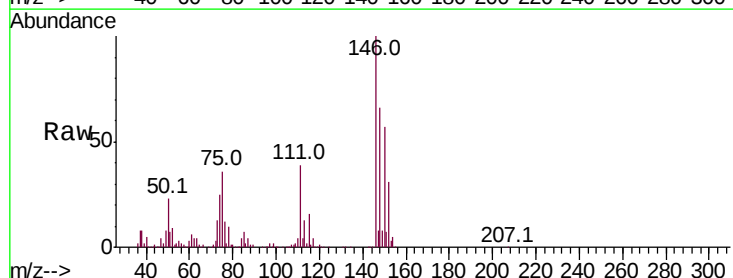
RT: 13.58 min Scan# 1915

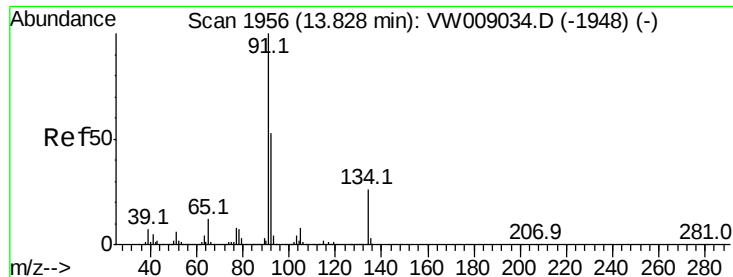
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	146	Resp:	150342
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.7	59.0
148	64.9	32.2	96.6





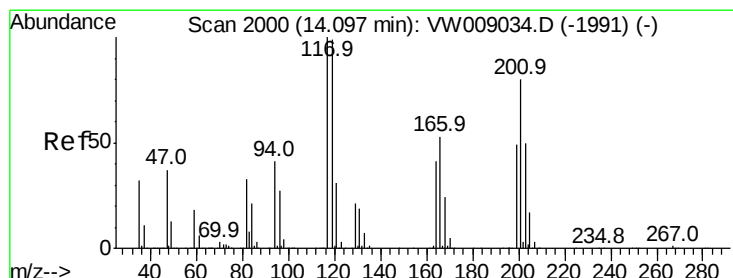
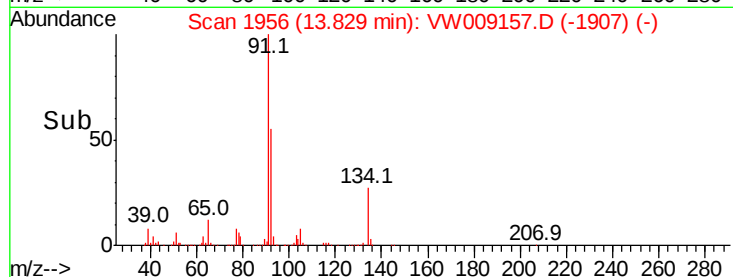
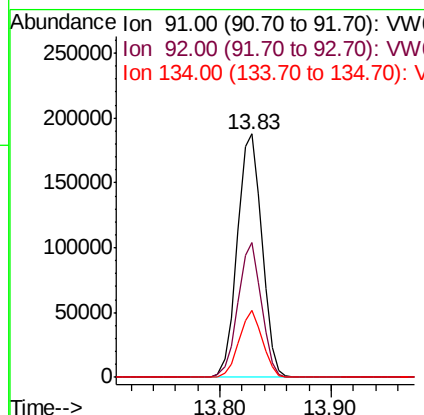
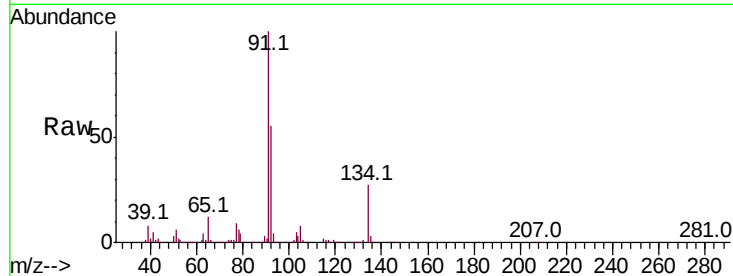
#89
n-Butylbenzene
Concen: 20.632 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	286162		
92	52.7		26.8	80.3
134	26.2		12.9	38.7

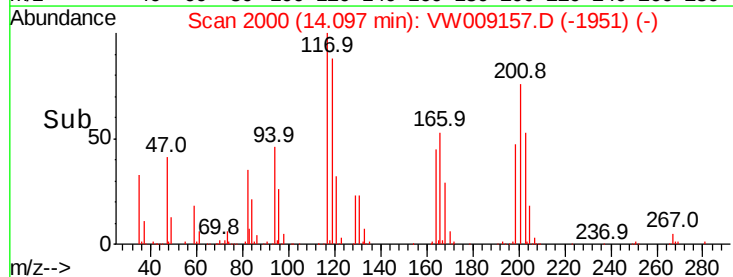
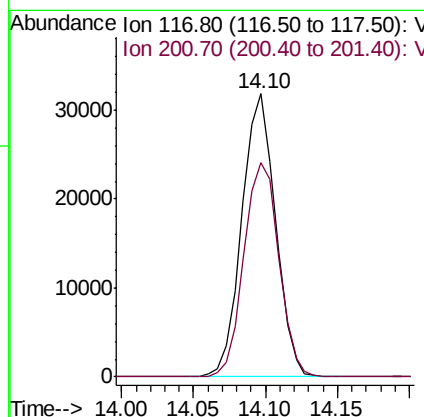
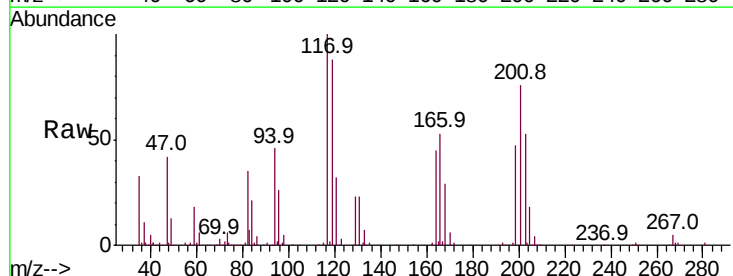
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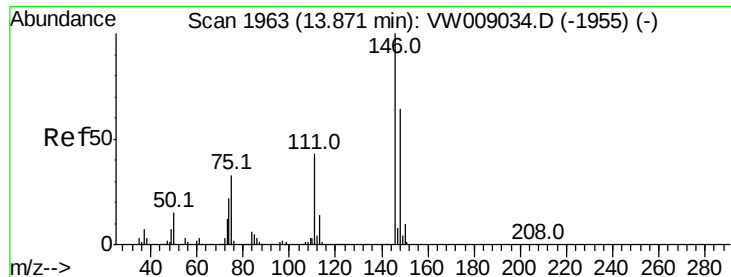
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#90
Hexachloroethane
Concen: 20.524 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51643		
201	78.3		39.1	117.5





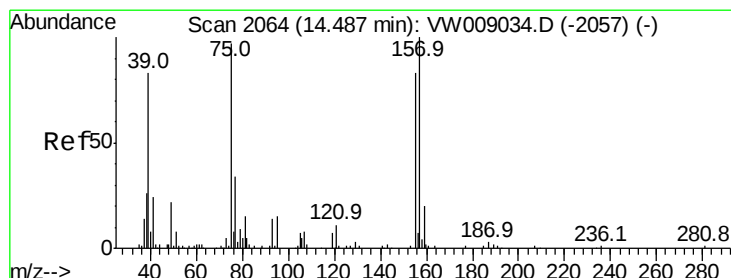
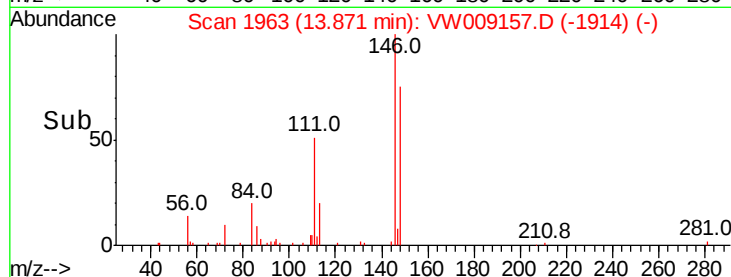
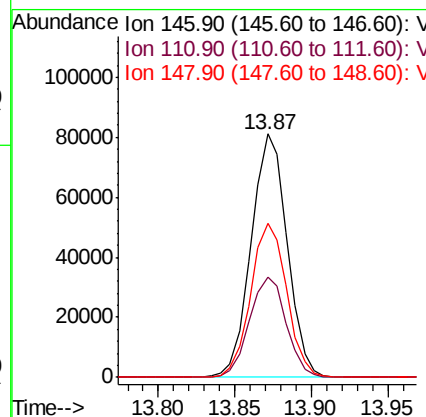
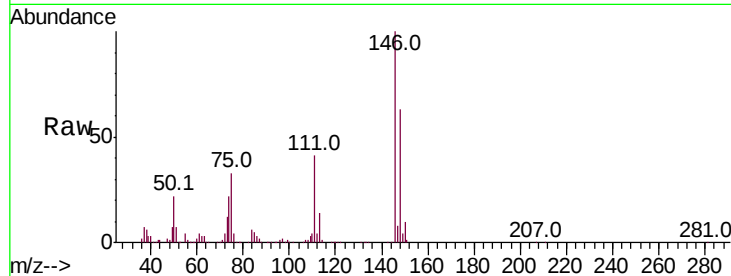
#91
 1,2-Dichlorobenzene
 Concen: 20.724 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313BSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	63.2	32.3	96.9

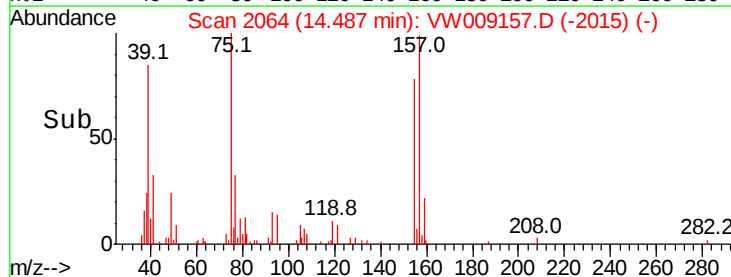
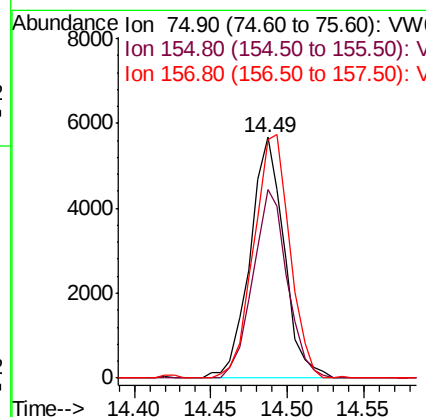
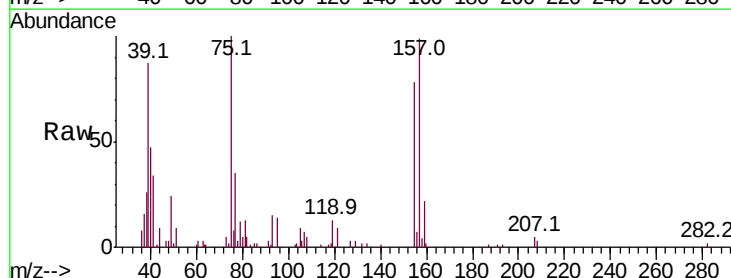
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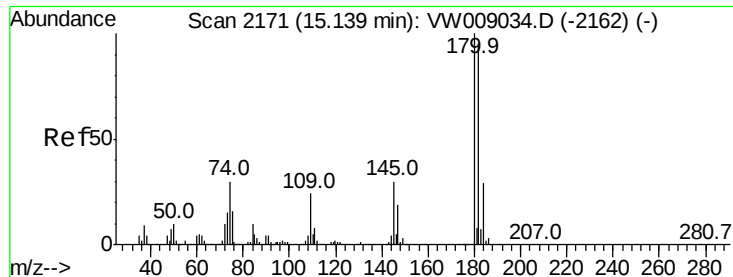
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.661 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.8	122.4
157	106.7	52.4	157.3





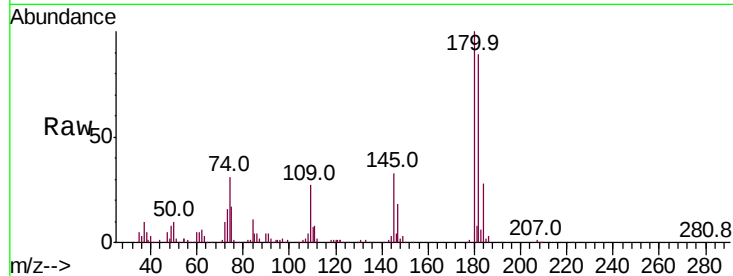
#93
1,2,4-Trichlorobenzene
Concen: 20.745 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

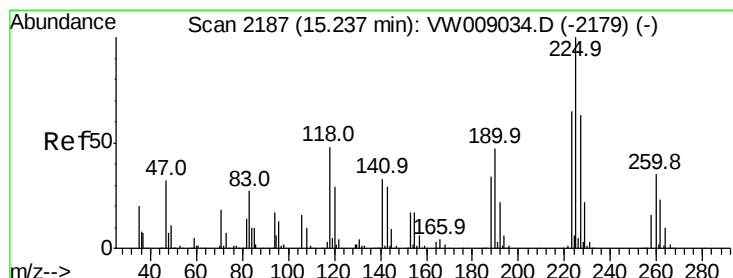
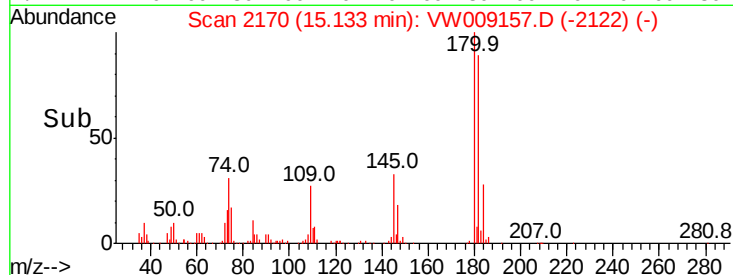
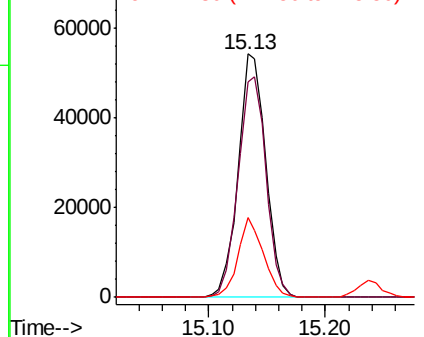
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.8	48.1	144.3	
145	29.9	15.4	46.1	

Manual Integrations
APPROVED

MMDadoda
3/14/2019 12:43:42 PM

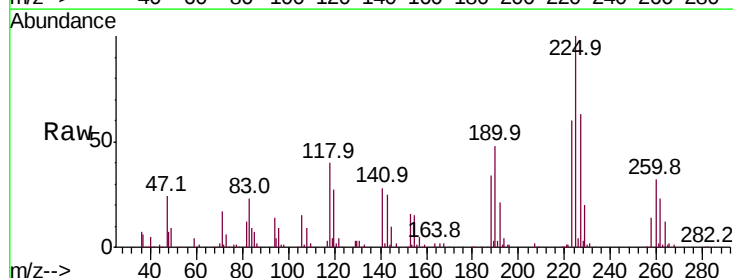


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

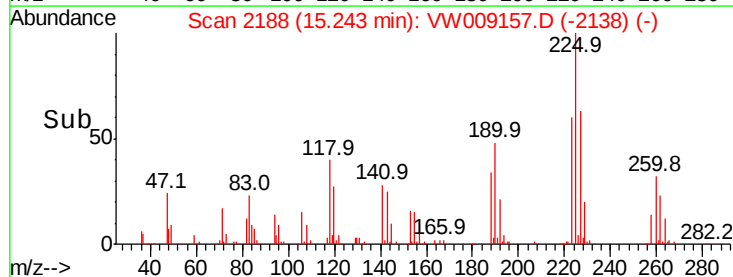
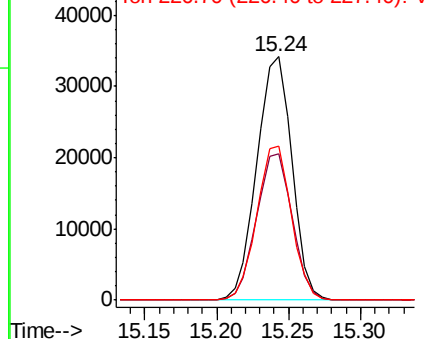


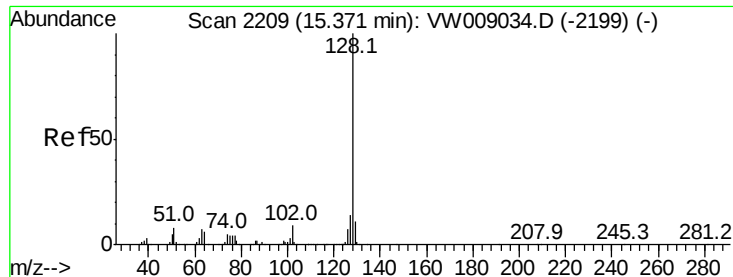
#94
Hexachlorobutadiene
Concen: 21.220 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	31.6	94.8	
227	62.4	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





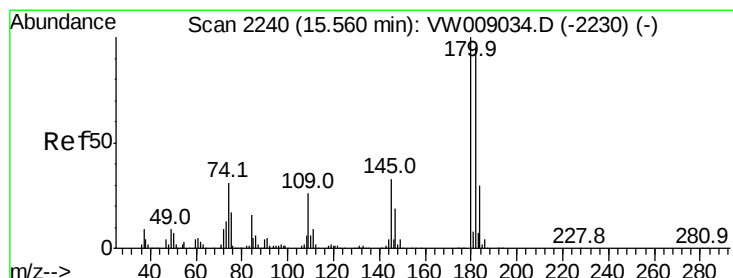
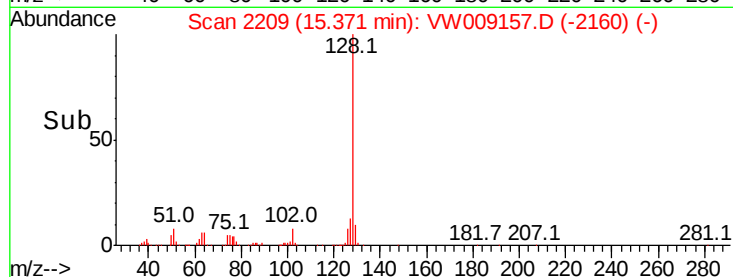
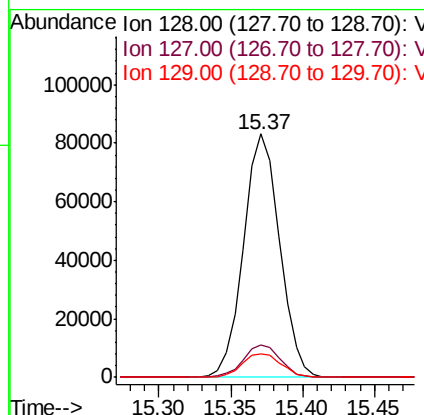
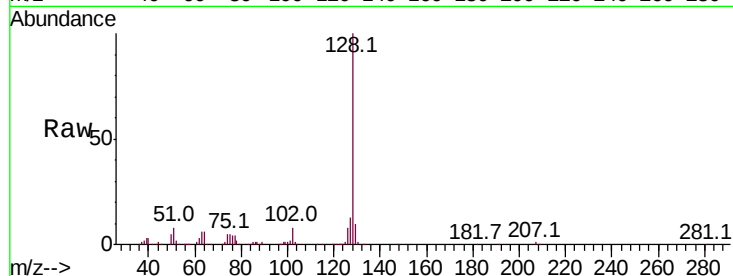
#95
Naphthalene
Concen: 20.366 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.6
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 12:43:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.065 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	31.5	15.8	47.3

