

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011161.D
 Acq On : 08 Jul 2019 13:30
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW070819

Manual Integrations
 APPROVED

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 7/9/2019 4:13:06 PM

Quant Time: Jul 09 07:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167399	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	146779	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.88	113	117596	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.32	98	481238	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	172441	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	86976	47.568	ug/l	98
3) Chloromethane	2.21	50	115294	48.935	ug/l	96
4) Vinyl Chloride	2.36	62	148303	48.091	ug/l	97
5) Bromomethane	2.77	94	77586	50.069	ug/l	96
6) Chloroethane	2.92	64	82800	49.850	ug/l	99
7) Trichlorofluoromethane	3.24	101	60323	55.064	ug/l	95
8) Diethyl Ether	3.67	74	75320	49.690	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	129738	49.441	ug/l	100
10) Methyl Iodide	4.27	142	178069	49.339	ug/l	99
11) Tert butyl alcohol	5.16	59	53424	234.235	ug/l	98
12) 1,1-Dichloroethene	4.04	96	134367	49.335	ug/l	97
13) Acrolein	3.89	56	42621	234.675	ug/l	99
14) Allyl chloride	4.66	41	255528	51.450	ug/l	99
15) Acrylonitrile	5.36	53	184845	239.441	ug/l	99
16) Acetone	4.12	43	208894	281.820	ug/l	99
17) Carbon Disulfide	4.38	76	412816	49.996	ug/l	99
18) Methyl Acetate	4.67	43	89493	42.237	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	201171	48.680	ug/l	99
20) Methylene Chloride	4.92	84	139830	47.820	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	139740	49.378	ug/l	97
22) Diisopropyl ether	6.31	45	521286	48.800	ug/l	98
23) Vinyl Acetate	6.24	43	1733564	262.231	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276941	49.372	ug/l	99
25) 2-Butanone	7.17	43	295719	254.155	ug/l	98
26) 2,2-Dichloropropane	7.17	77	148878	51.059	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	150518	49.305	ug/l	99
28) Bromochloromethane	7.51	49	107485	42.142	ug/l #	99
29) Tetrahydrofuran	7.52	42	183500	240.516	ug/l	99
30) Chloroform	7.67	83	248394	47.816	ug/l	99
31) Cyclohexane	7.95	56	289380	48.493	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	196982	49.848	ug/l	99
36) 1,1-Dichloropropene	8.08	75	214770	50.638	ug/l	100
37) Ethyl Acetate	7.24	43	123912	48.625	ug/l	99
38) Carbon Tetrachloride	8.07	117	184779	51.392	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	268528	52.236	ug/l	98
40) Benzene	8.32	78	580397	49.516	ug/l	99
41) Methacrylonitrile	7.48	41	80439	55.191	ug/l	89
42) 1,2-Dichloroethane	8.40	62	183983	48.387	ug/l	99
43) Isopropyl Acetate	8.42	43	238945	49.665	ug/l	99
44) Trichloroethene	9.09	130	141072	50.014	ug/l	99
45) 1,2-Dichloropropane	9.37	63	157280	49.551	ug/l	99
46) Dibromomethane	9.45	93	72779	48.811	ug/l	99
47) Bromodichloromethane	9.64	83	189592	49.696	ug/l	98
48) Methyl methacrylate	9.43	41	113418	49.001	ug/l	98
49) 1,4-Dioxane	9.45	88	23688	951.786	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	619285	246.412	ug/l	100
52) Toluene	10.38	92	360789	50.742	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	207159	51.013	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	241251	50.472	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102277	48.352	ug/l	98
56) Ethyl methacrylate	10.65	69	162403	50.429	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194399	48.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	313840	210.208	ug/l	99
59) 2-Hexanone	10.97	43	446599	256.237	ug/l	100
60) Dibromochloromethane	11.13	129	116628	50.281	ug/l	98
61) 1,2-Dibromoethane	11.23	107	98232	49.027	ug/l	100
64) Tetrachloroethene	10.86	164	116758	49.917	ug/l	98
65) Chlorobenzene	11.66	112	357507	50.728	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	125334	50.509	ug/l	100
67) Ethyl Benzene	11.73	91	695752	51.570	ug/l	99
68) m/p-Xylenes	11.84	106	504241	103.290	ug/l	100
69) o-Xylene	12.16	106	235088	51.093	ug/l	99
70) Styrene	12.18	104	411368	51.804	ug/l	99
71) Bromoform	12.35	173	65575	49.703	ug/l #	99
73) Isopropylbenzene	12.46	105	656528	52.465	ug/l	99
74) N-amyl acetate	12.27	43	222764	51.114	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	126803	49.433	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89765m	46.402	ug/l	
77) Bromobenzene	12.75	156	141197	50.278	ug/l	99
78) n-propylbenzene	12.80	91	811996	52.675	ug/l	100
79) 2-Chlorotoluene	12.89	91	454628	51.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	552386	51.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43628	51.009	ug/l	98
82) 4-Chlorotoluene	12.99	91	470961	50.974	ug/l	100
83) tert-Butylbenzene	13.21	119	468776	52.872	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	552902	51.795	ug/l	100
85) sec-Butylbenzene	13.38	105	674780	52.744	ug/l	100
86) p-Isopropyltoluene	13.50	119	606255	52.834	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	276809	51.231	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	273529	50.273	ug/l	99
89) n-Butylbenzene	13.82	91	612402	53.499	ug/l	99
90) Hexachloroethane	14.10	117	108684	51.832	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	242386	49.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22247	48.895	ug/l	99

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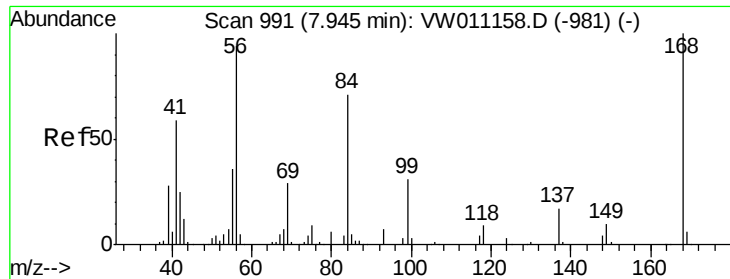
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	176272	52.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	107315	51.773	ug/l	99
95) Naphthalene	15.37	128	344303	53.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154923	51.992	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion:168 Resp: 245167

Ion Ratio Lower Upper

168 100

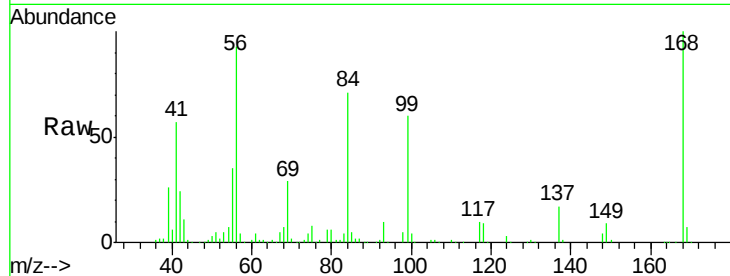
99 59.6 50.1 75.1

Manual Integrations

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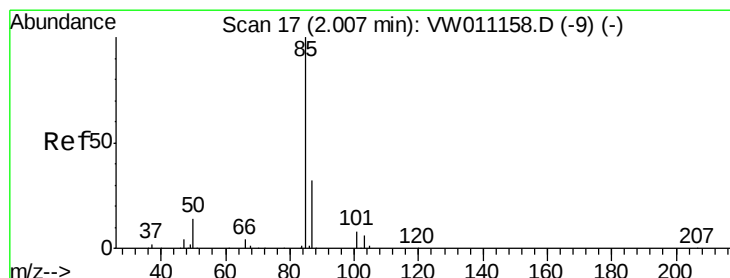
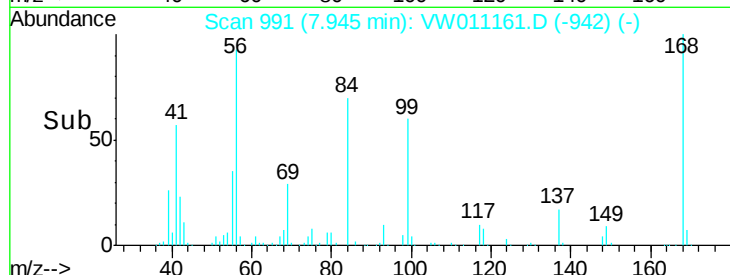
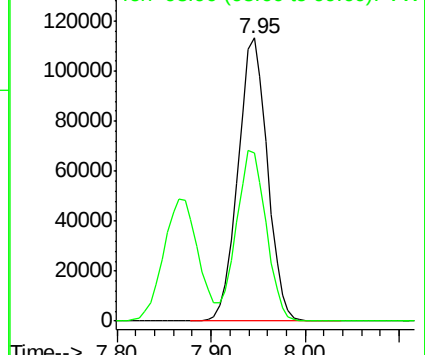
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.568 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011161.D

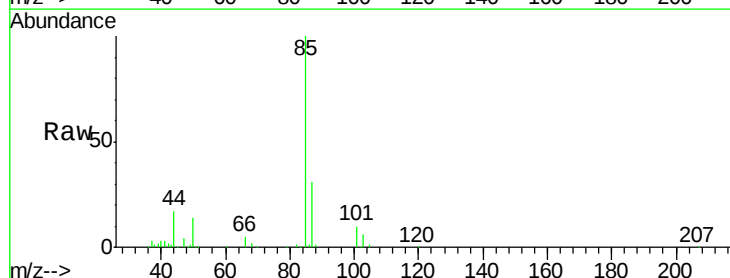
Acq: 08 Jul 2019 13:30

Tgt Ion: 85 Resp: 86976

Ion Ratio Lower Upper

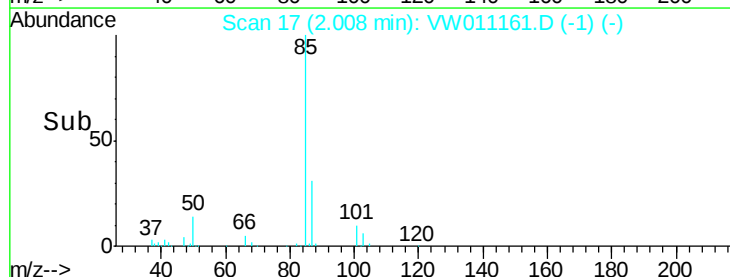
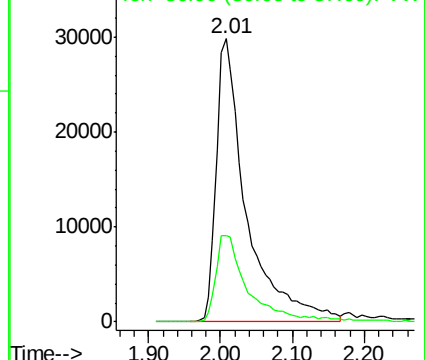
85 100

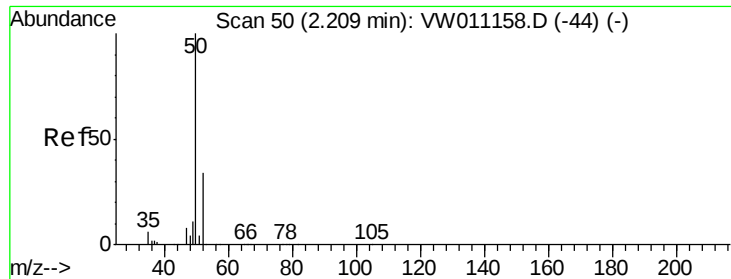
87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.935 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 50 Resp: 115294

Ion Ratio Lower Upper

50 100

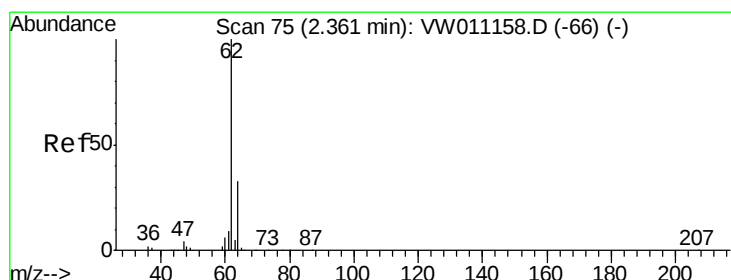
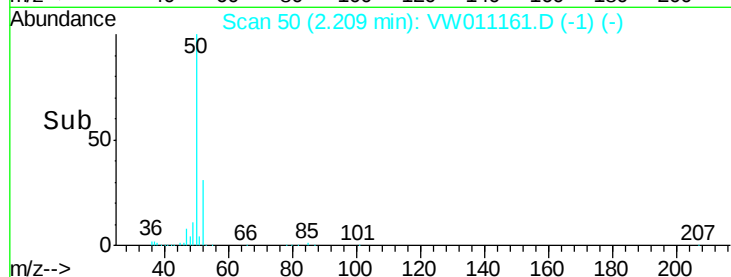
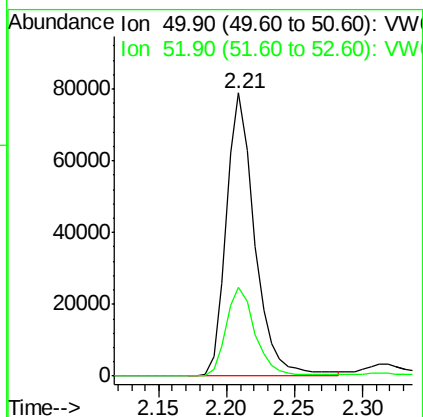
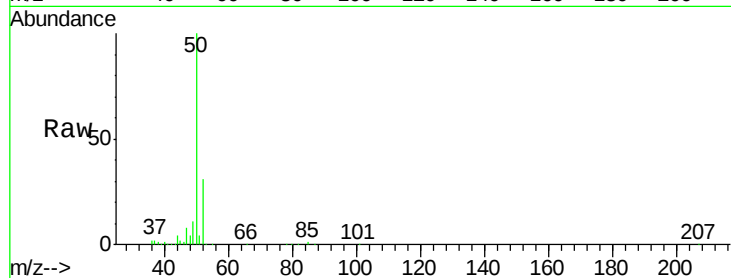
52 31.3 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.091 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011161.D

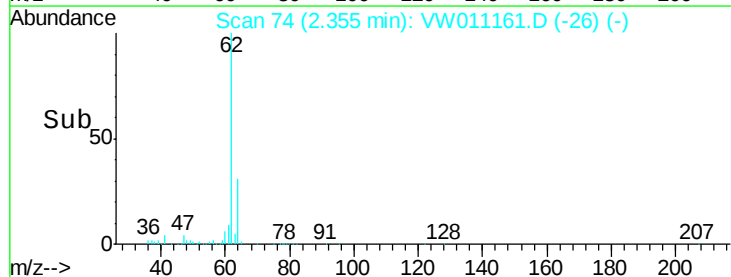
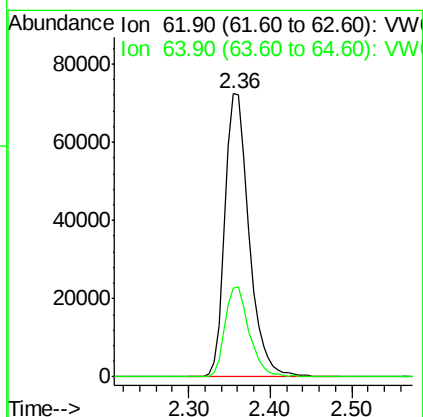
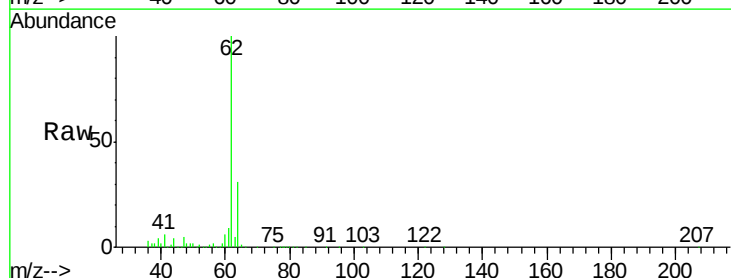
Acq: 08 Jul 2019 13:30

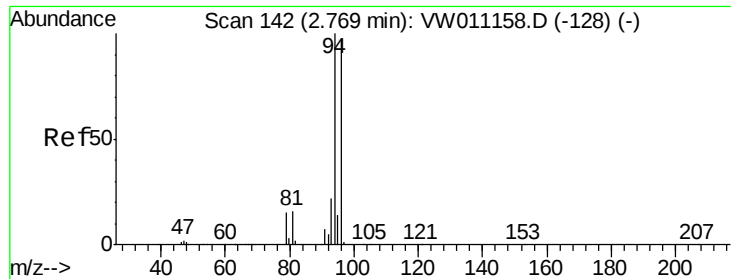
Tgt Ion: 62 Resp: 148303

Ion Ratio Lower Upper

62 100

64 31.3 26.6 40.0





#5

Bromomethane

Concen: 50.069 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

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ClientSampleId :

ICVW070819

Tot Ion: 94 Resp: 77586

Ion Ratio Lower Upper

94 100

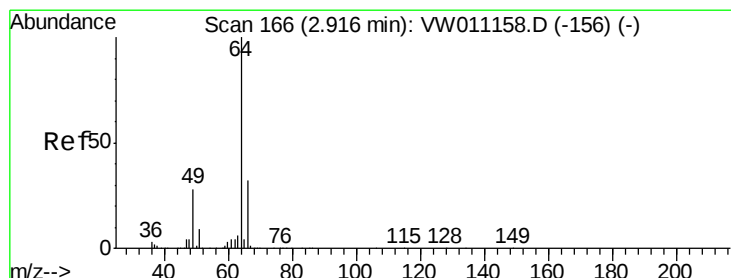
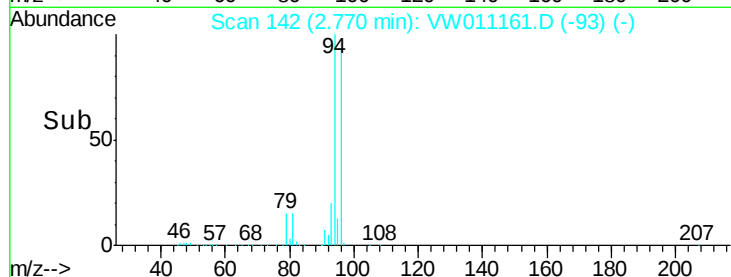
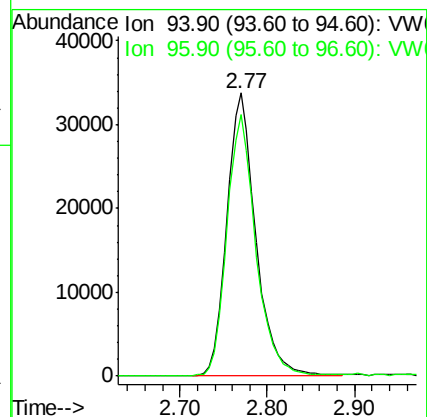
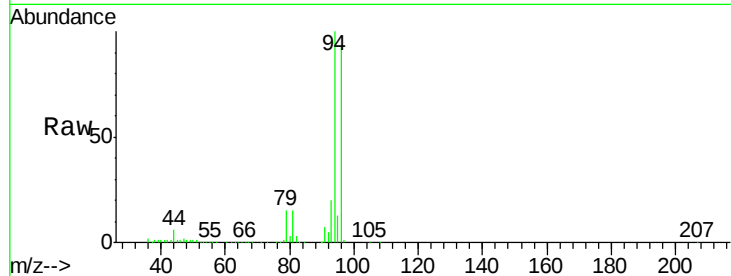
96 92.3 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 49.850 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011161.D

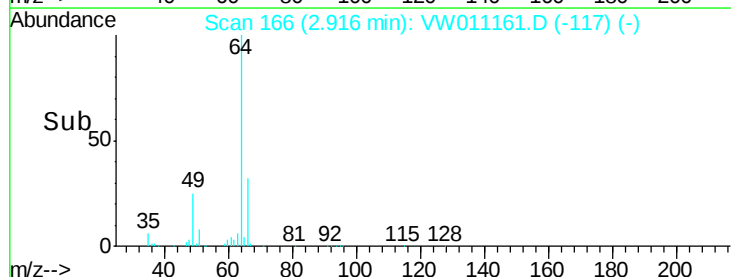
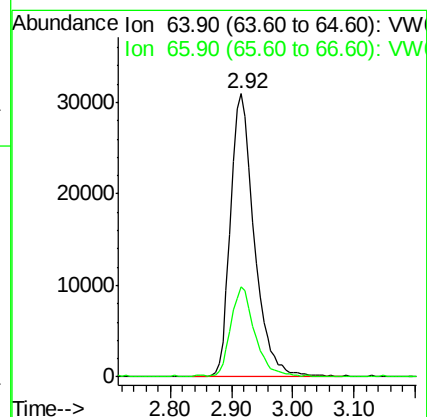
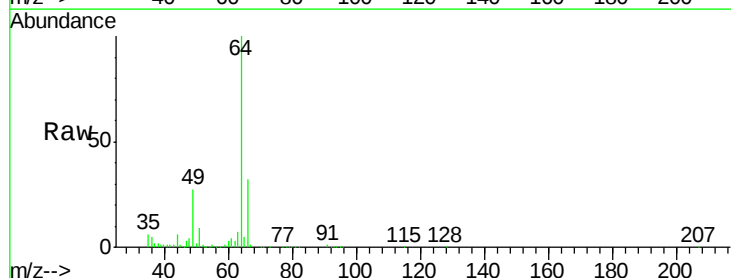
Acq: 08 Jul 2019 13:30

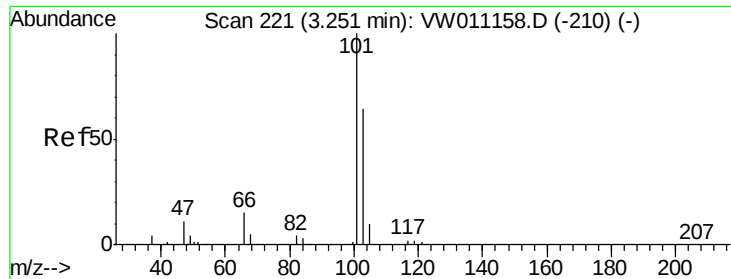
Tgt Ion: 64 Resp: 82800

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8





#7

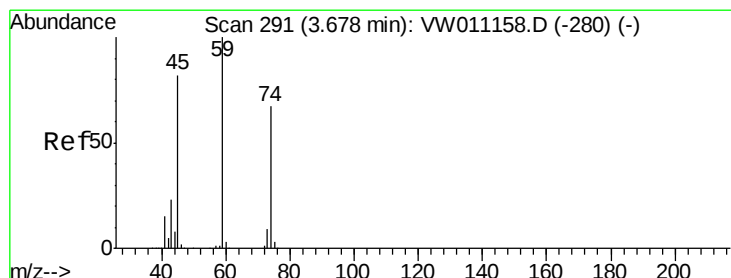
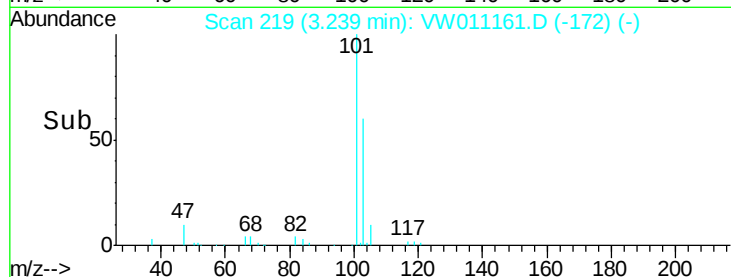
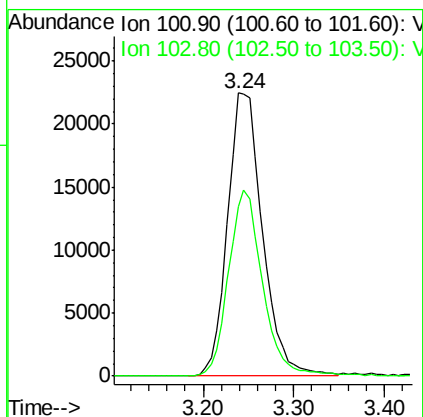
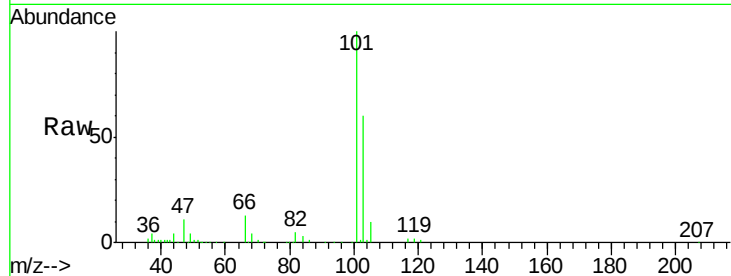
Trichlorofluoromethane
 Concen: 55.064 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
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 ClientSampleId :
 ICVVW070819

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.3	76.9

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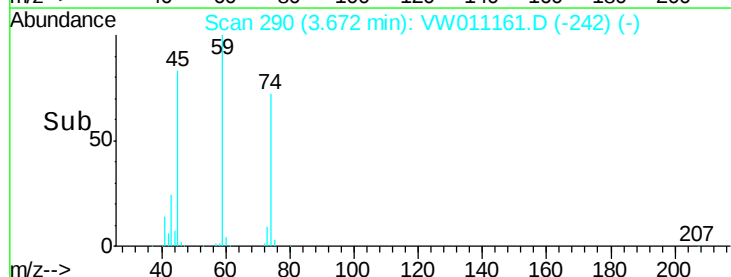
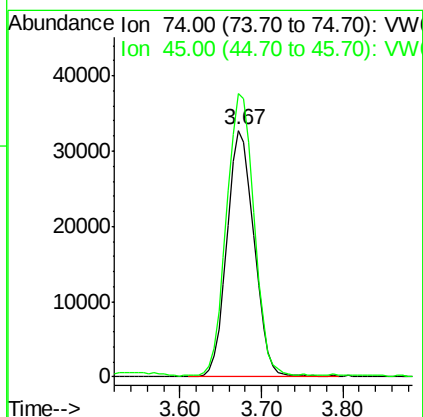
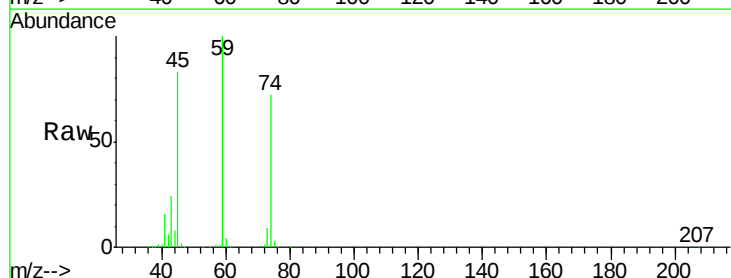
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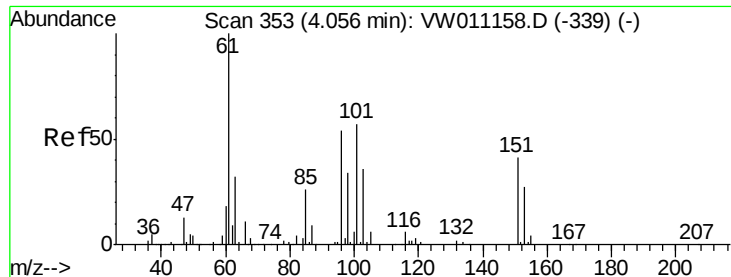


#8

Diethyl Ether
 Concen: 49.690 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.1	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.441 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

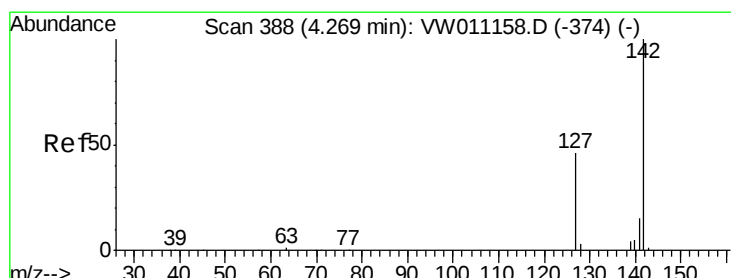
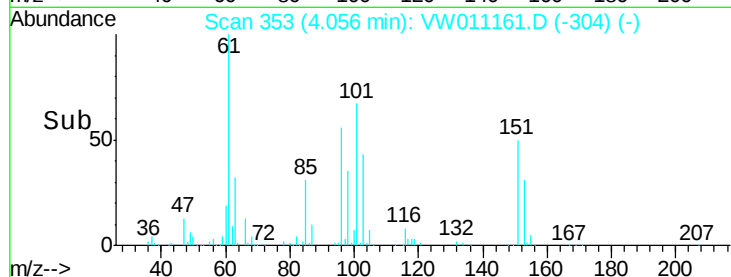
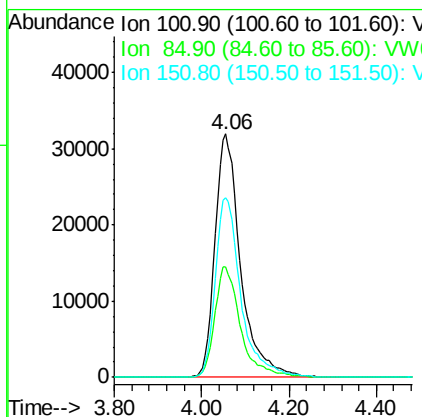
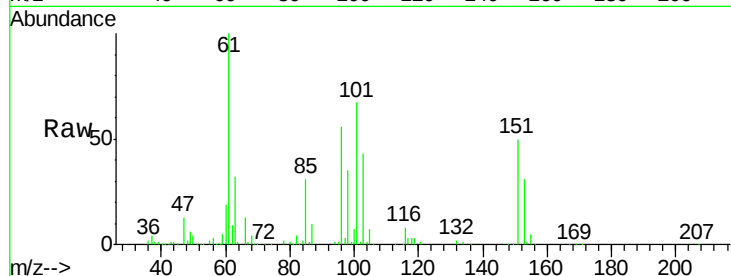
ClientSampleId :

ICVW070819

Tot Ion:	101	Resp:	129738
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.5	54.7
151	73.6	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 49.339 ug/l

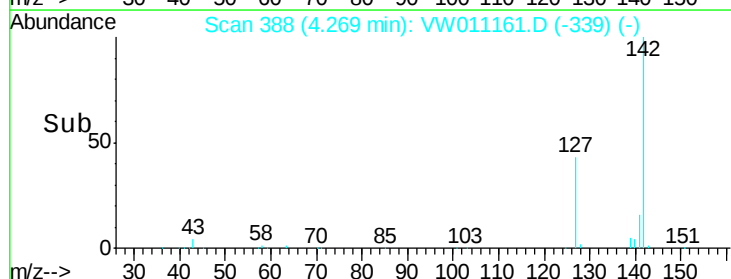
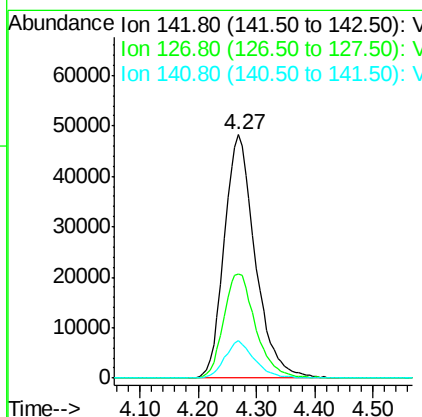
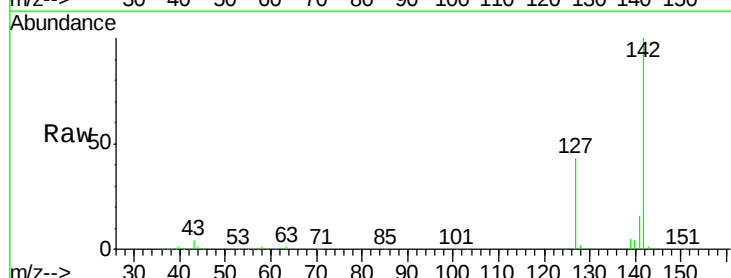
RT: 4.27 min Scan# 388

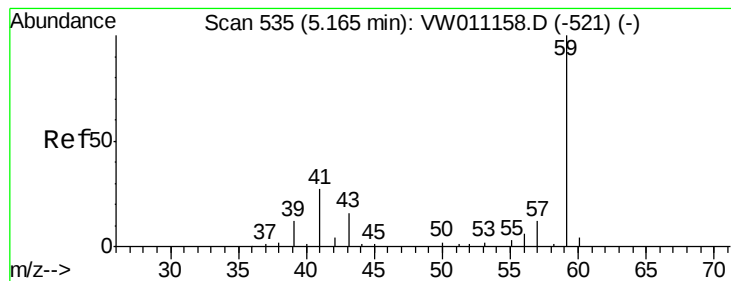
Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion:	142	Resp:	178069
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.9	11.5	17.3





#11

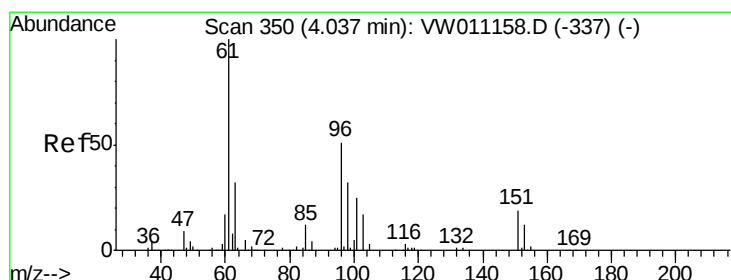
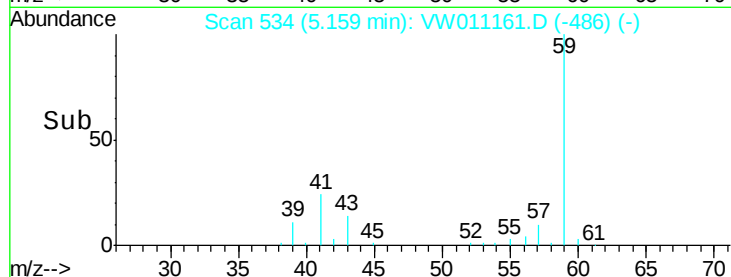
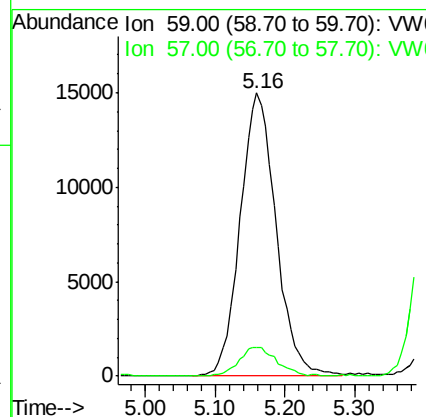
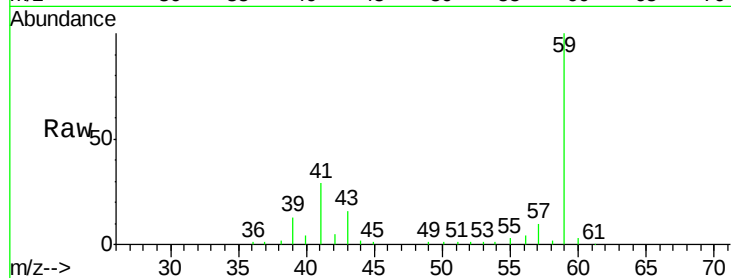
Tert butyl alcohol
Concen: 234.235 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion: 59 Resp: 53424
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6

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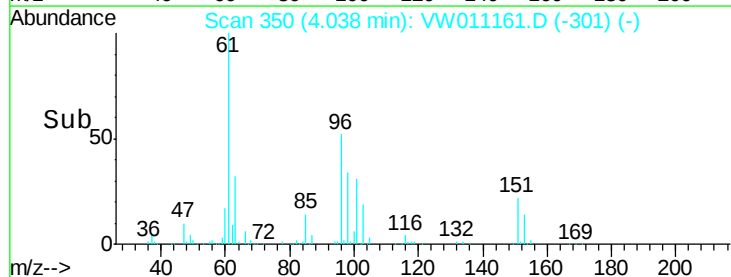
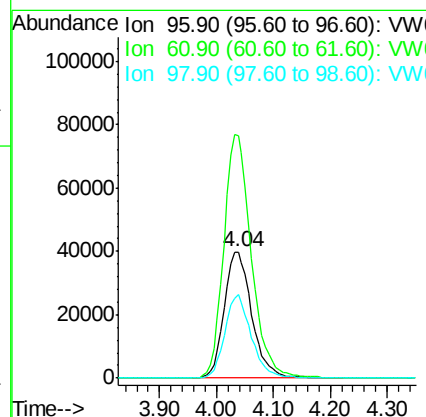
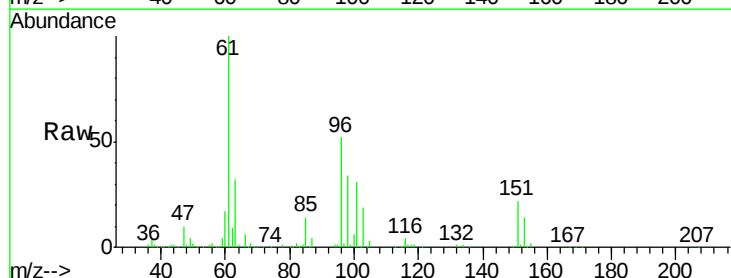
MMDadoda
7/9/2019 4:13:06 PM

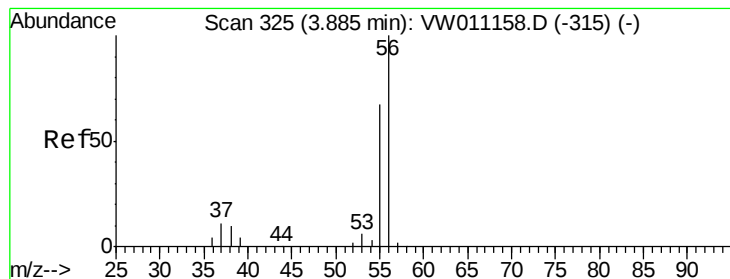


#12

1,1-Dichloroethene
Concen: 49.335 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 96 Resp: 134367
Ion Ratio Lower Upper
96 100
61 191.7 157.7 236.5
98 65.7 50.9 76.3





#13

Acrolein

Concen: 234.675 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 56 Resp: 42621

Ion Ratio Lower Upper

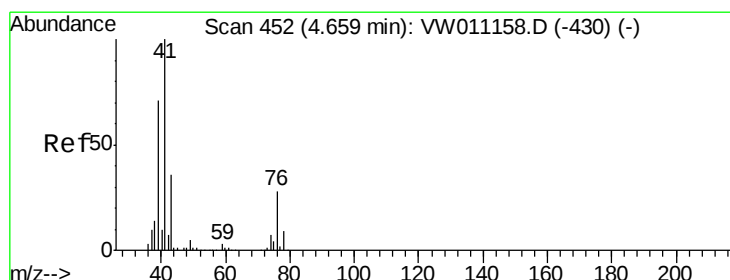
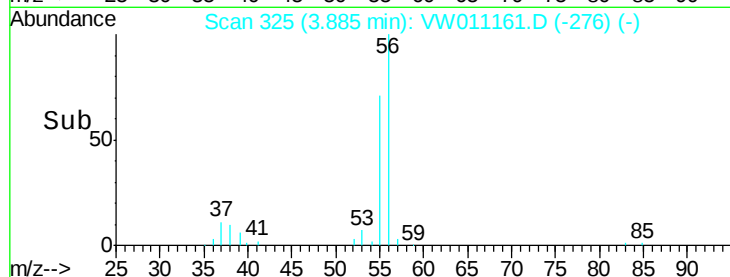
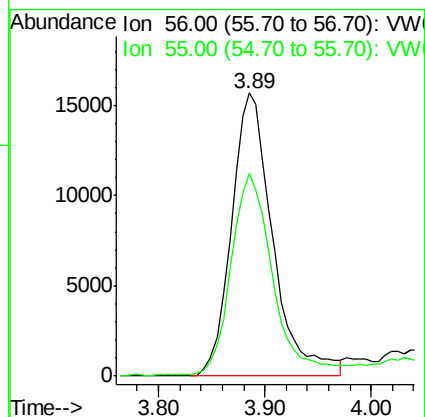
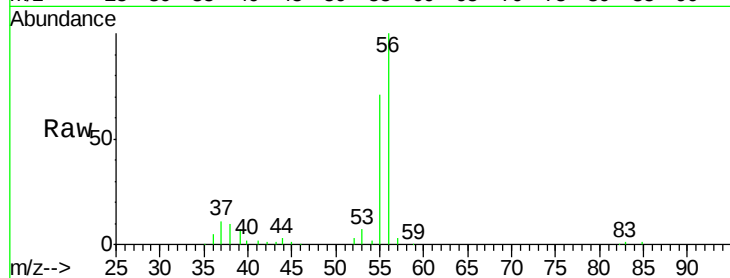
56 100

55 71.3 56.4 84.6

Manual Integrations
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#14

Allyl chloride

Concen: 51.450 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

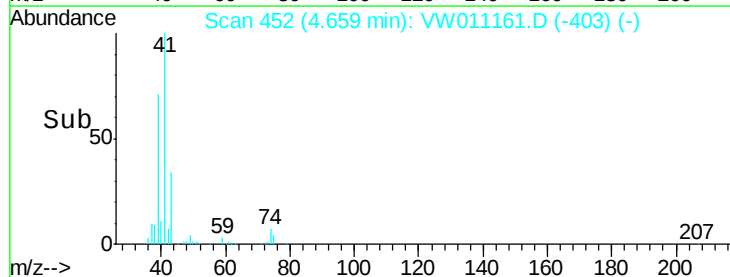
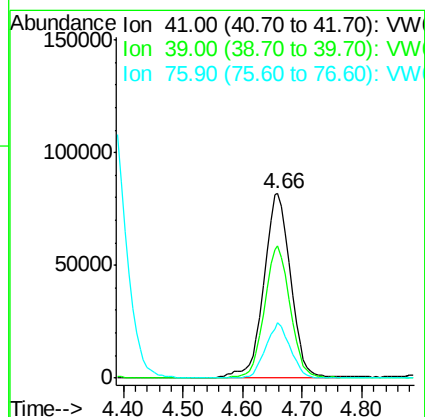
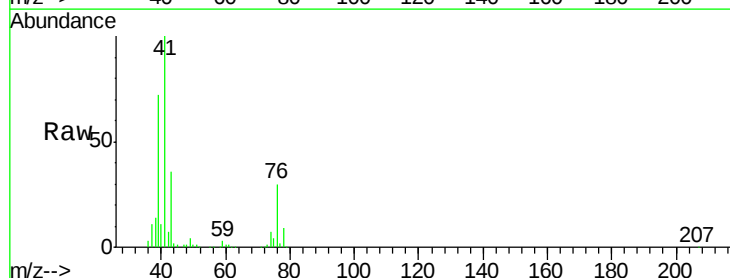
Tgt Ion: 41 Resp: 255528

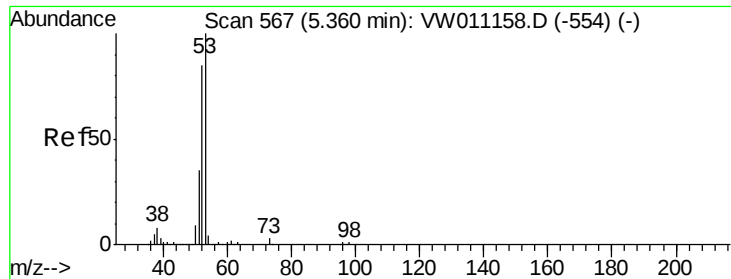
Ion Ratio Lower Upper

41 100

39 68.2 55.1 82.7

76 27.6 22.5 33.7





#15

Acrylonitrile

Concen: 239.441 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

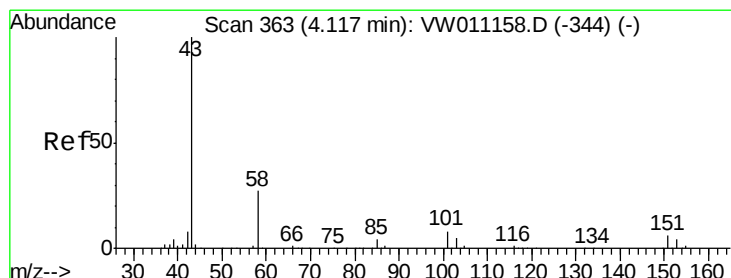
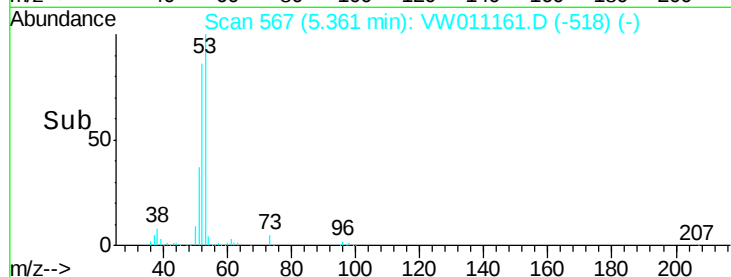
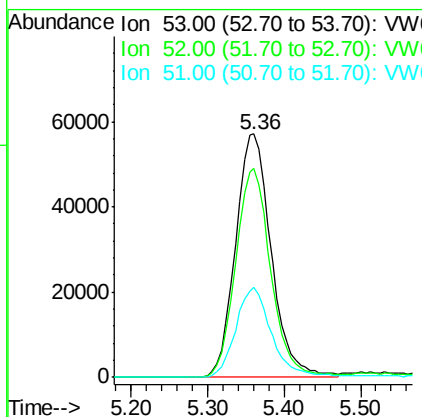
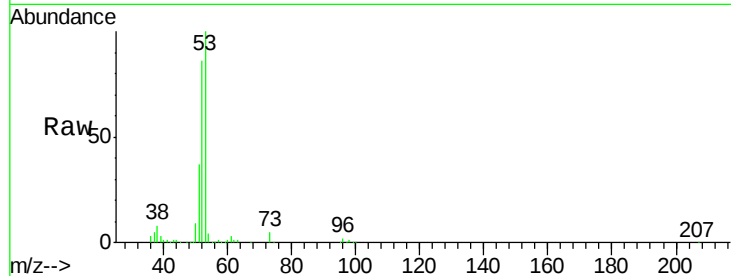
ClientSampleId :

ICVW070819

Tot Ion:	53	Resp:	184845
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.2	99.4
51	37.1	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 281.820 ug/l

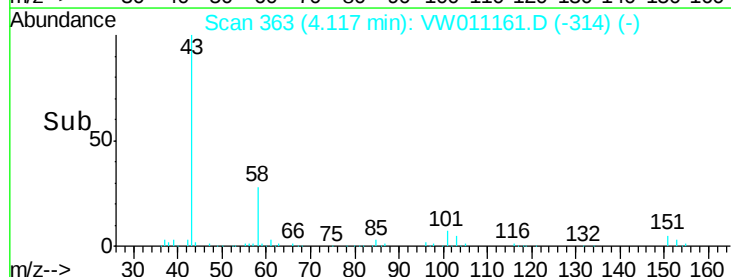
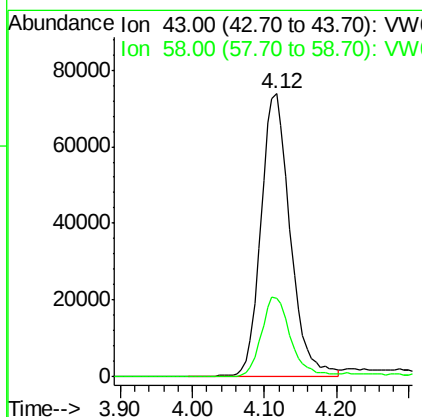
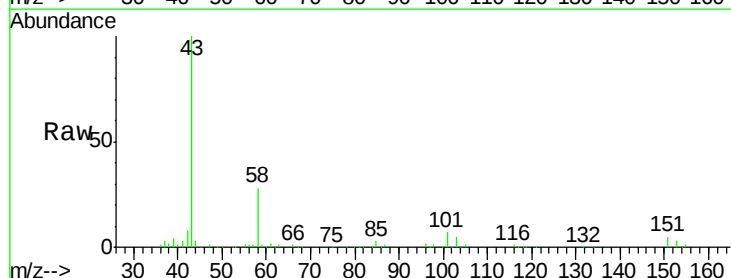
RT: 4.12 min Scan# 363

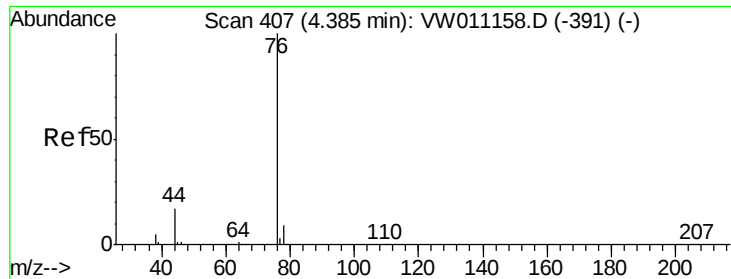
Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion:	43	Resp:	208894
Ion Ratio	Lower	Upper	
43	100		
58	27.7	21.8	32.6





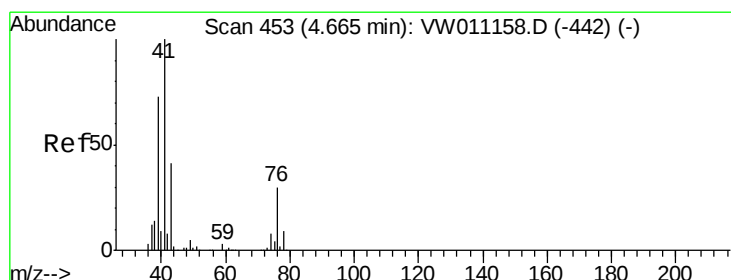
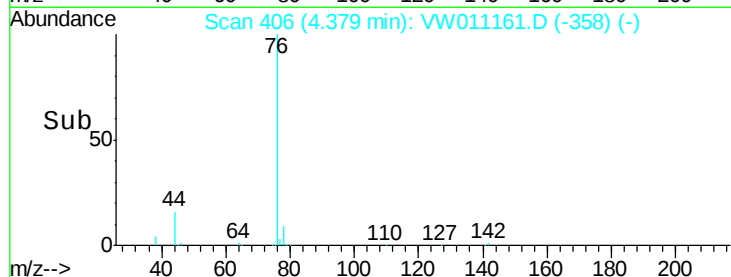
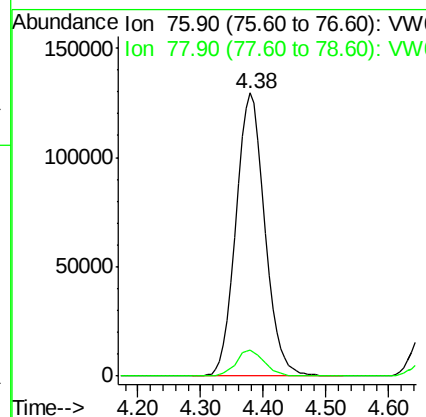
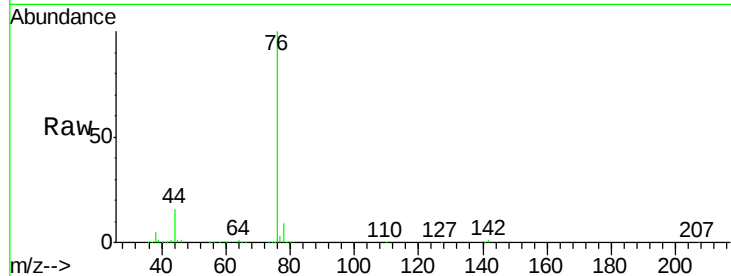
#17
Carbon Disulfide
Concen: 49.996 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

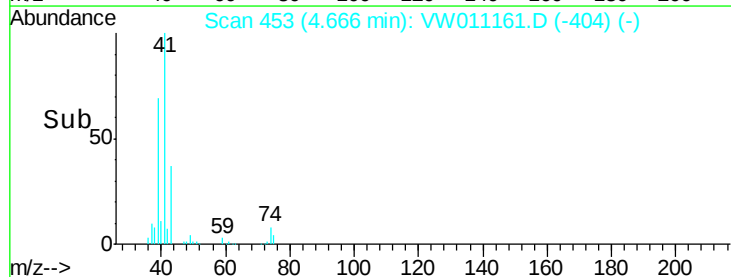
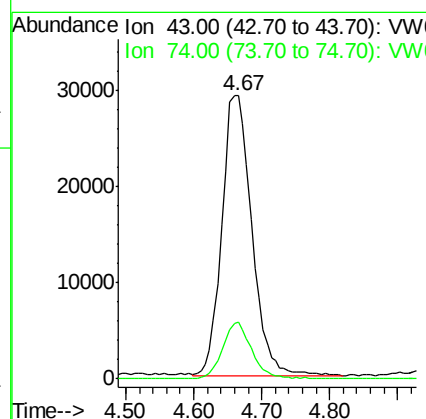
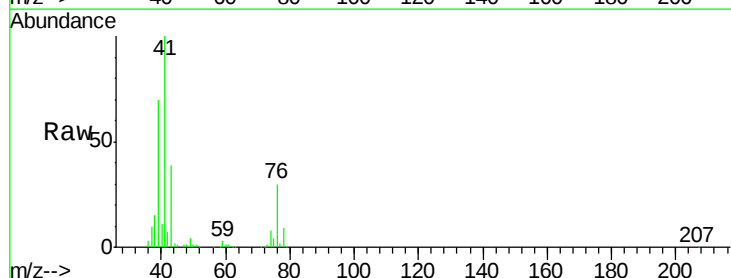
Manual Integrations
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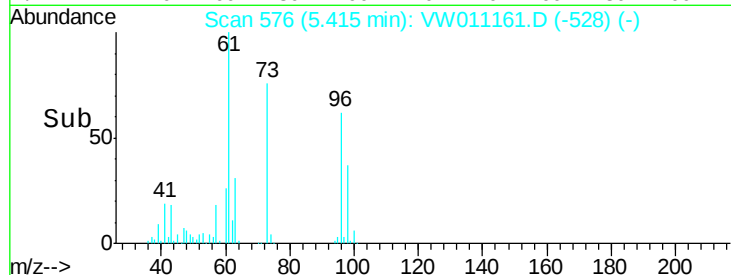
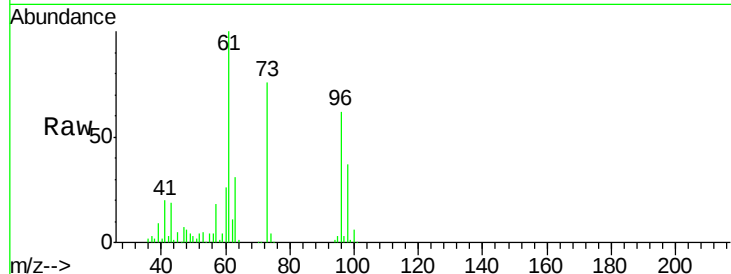
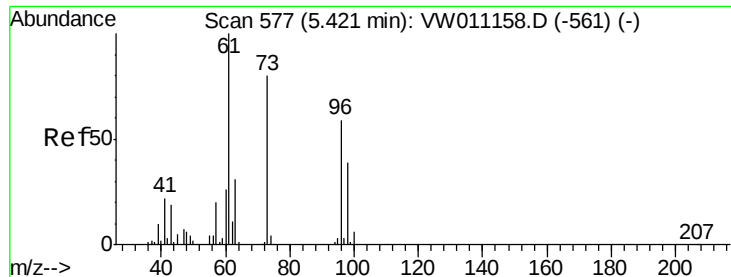
MMDadoda
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#18
Methyl Acetate
Concen: 42.237 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.7	23.5





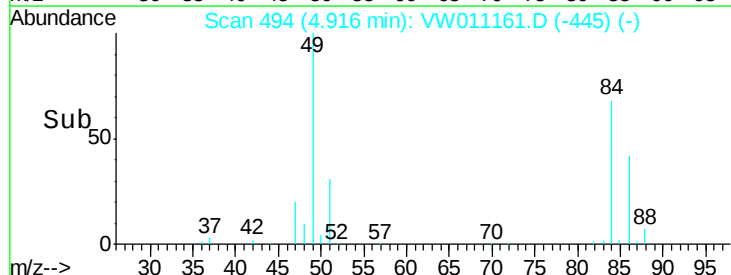
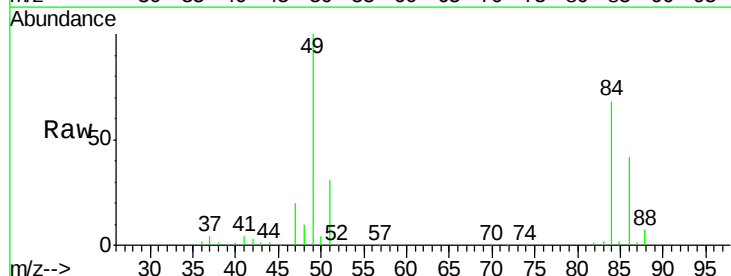
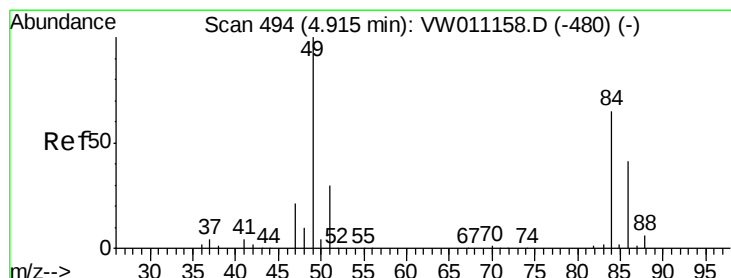
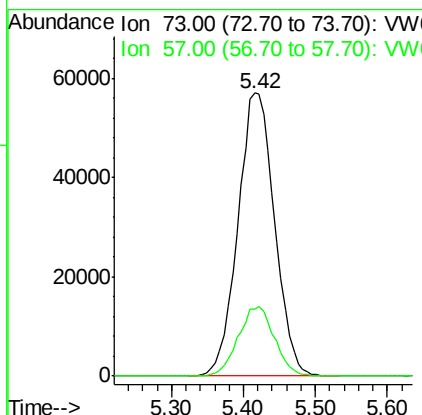
#19
Methyl tert-butyl Ether
Concen: 48.680 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tot Ion: 73 Resp: 201171
Ion Ratio Lower Upper
73 100
57 23.9 19.7 29.5

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

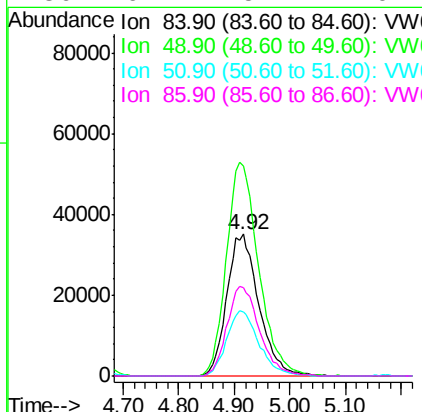
Manual Integrations
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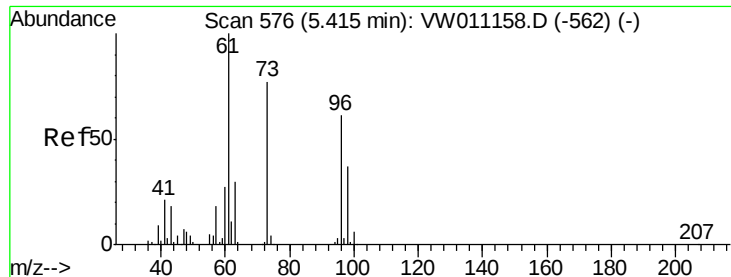
MMDadoda
7/9/2019 4:13:06 PM



#20
Methylene Chloride
Concen: 47.820 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 84 Resp: 139830
Ion Ratio Lower Upper
84 100
49 148.0 123.8 185.6
51 45.4 37.4 56.2
86 62.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.378 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

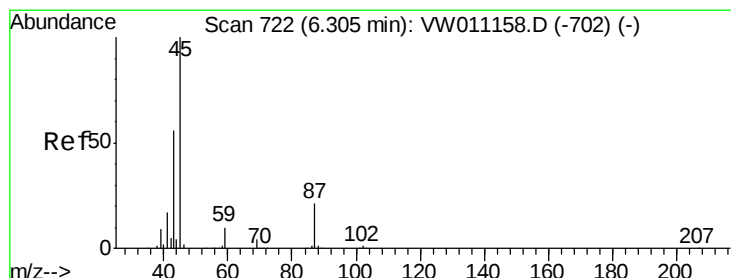
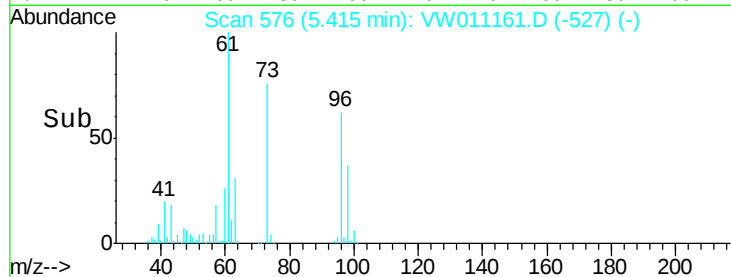
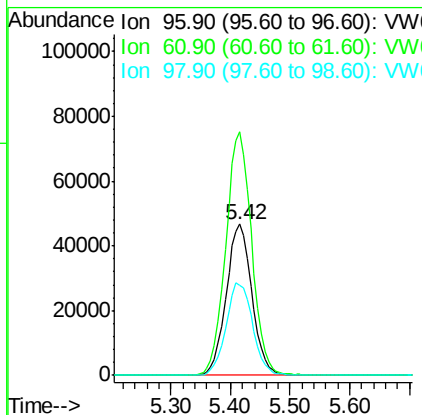
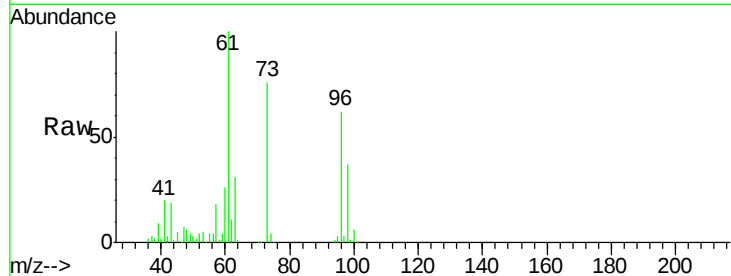
ClientSampleId :

ICVW070819

Tot Ion:	96	Resp:	139740
Ion	Ratio	Lower	Upper
96	100		
61	161.4	132.2	198.2
98	59.5	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.800 ug/l

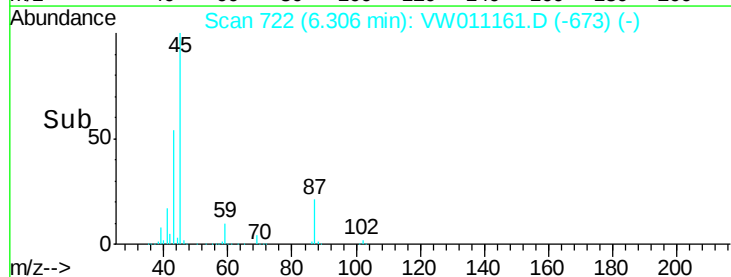
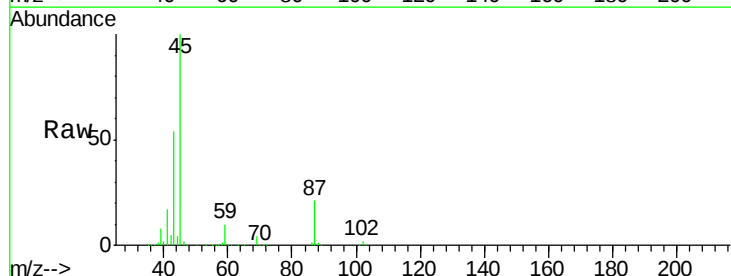
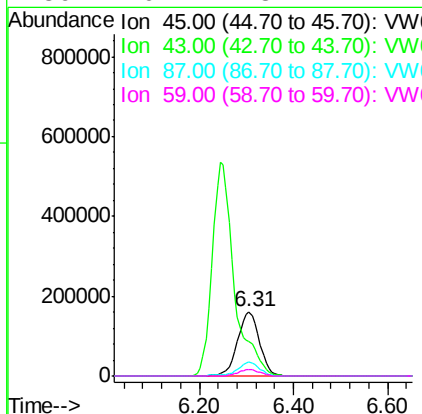
RT: 6.31 min Scan# 722

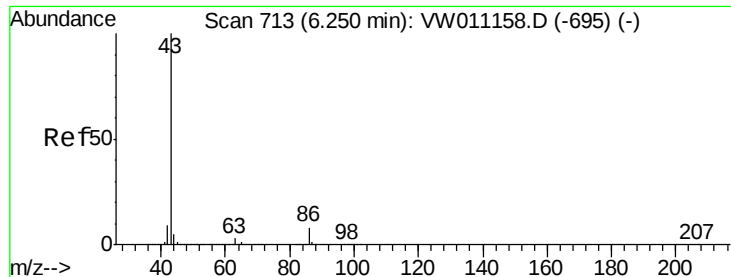
Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion:	45	Resp:	521286
Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.6	66.8
87	21.4	17.3	25.9
59	10.2	8.2	12.2





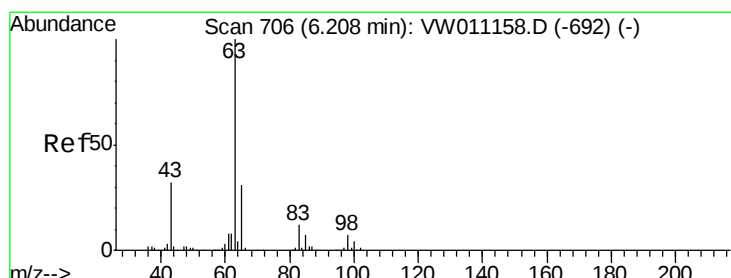
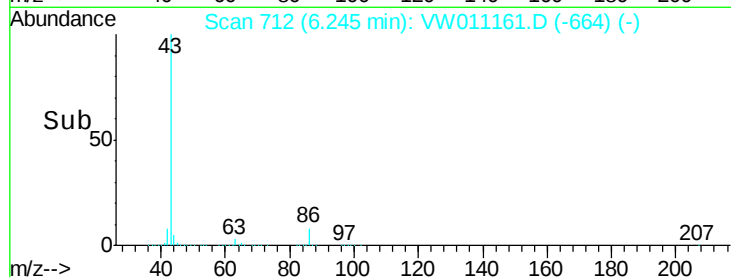
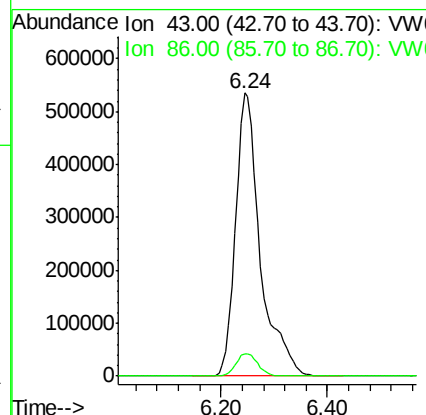
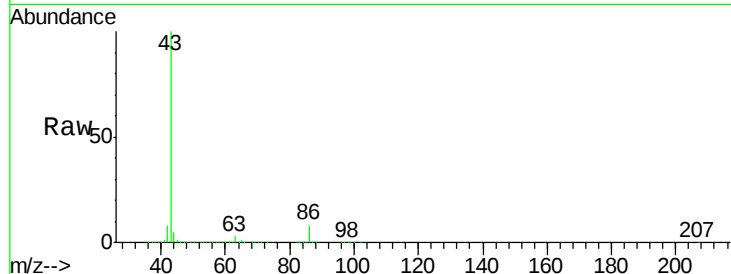
#23
 Vinyl Acetate
 Concen: 262.231 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW070819

Tot Ion: 43 Resp: 1733564
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7

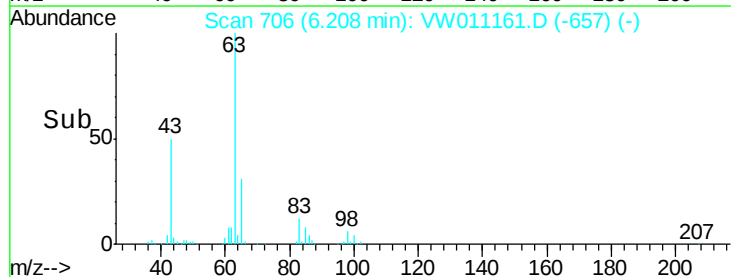
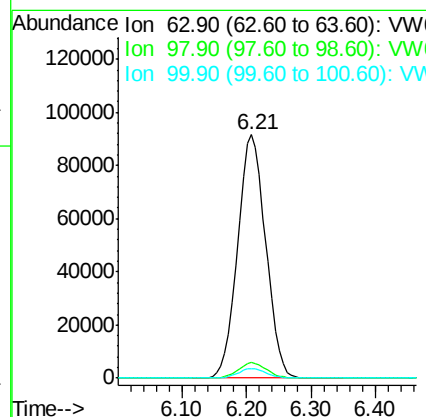
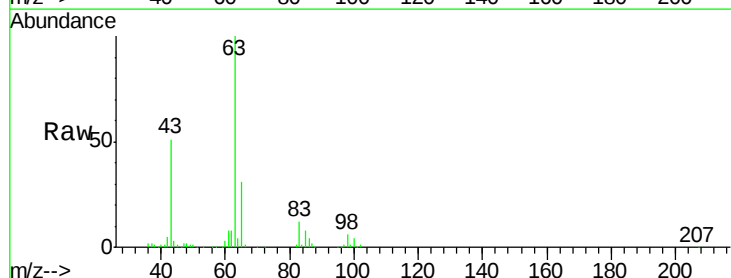
Manual Integrations
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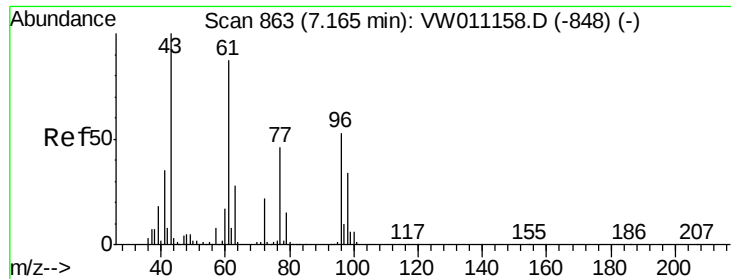
MMDadoda
 7/9/2019 4:13:06 PM



#24
 1,1-Dichloroethane
 Concen: 49.372 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion: 63 Resp: 276941
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 3.8 2.1 6.2





#25

2-Butanone

Concen: 254.155 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 43 Resp: 295719

Ion Ratio Lower Upper

43 100

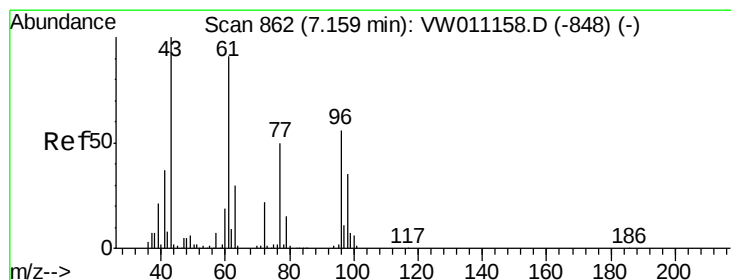
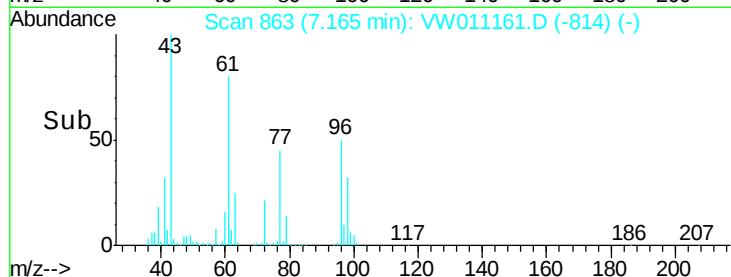
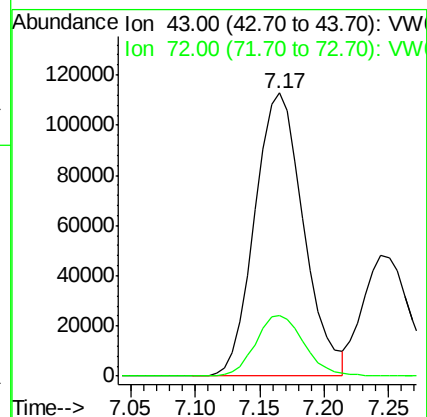
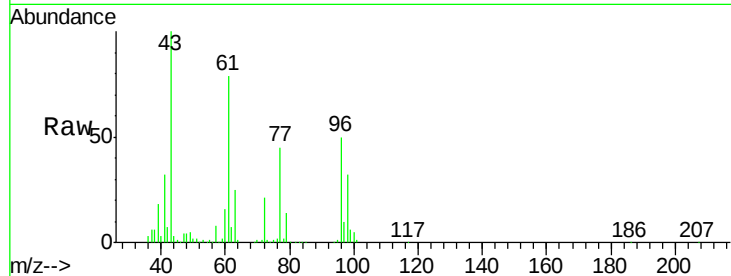
72 21.3 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.059 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011161.D

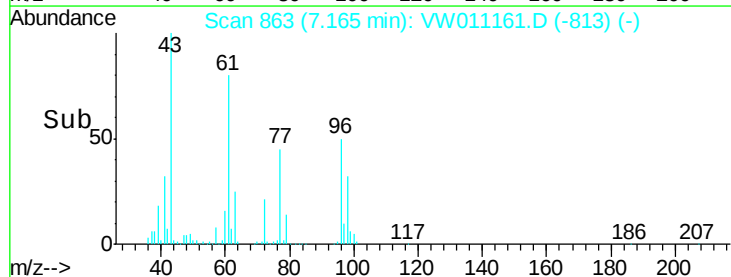
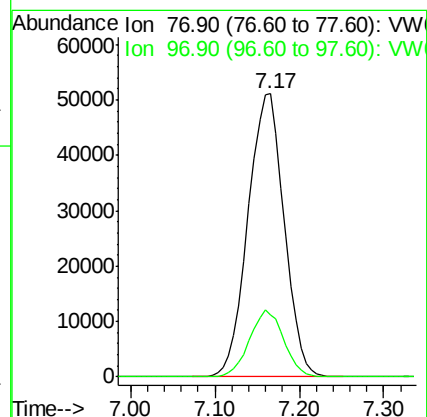
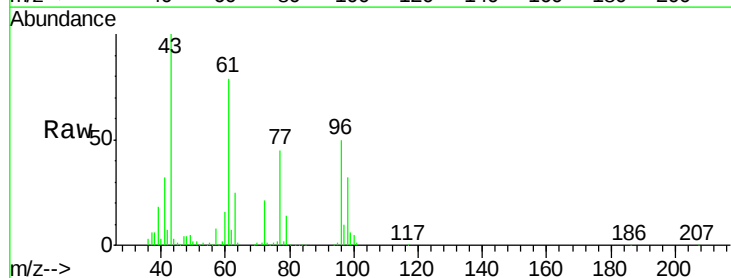
Acq: 08 Jul 2019 13:30

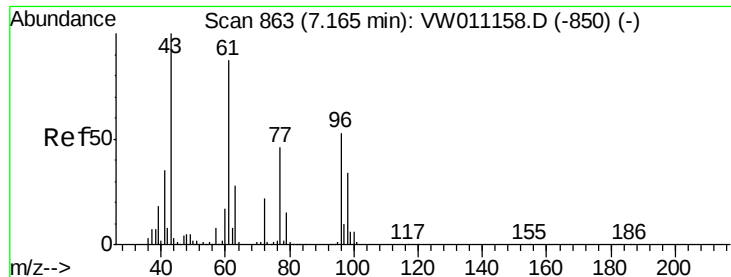
Tgt Ion: 77 Resp: 148878

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





#27

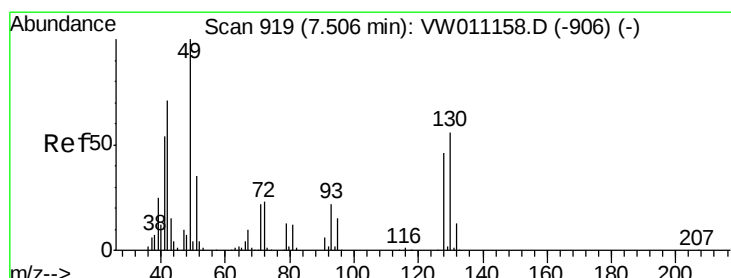
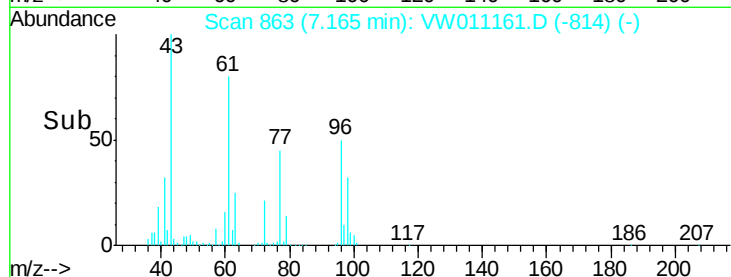
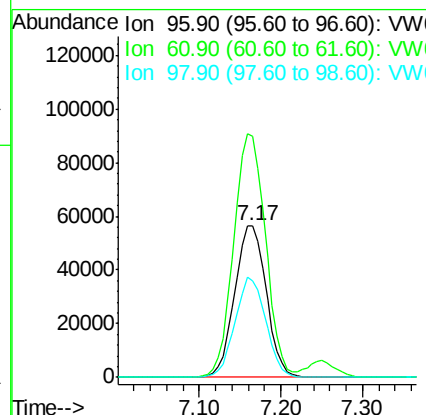
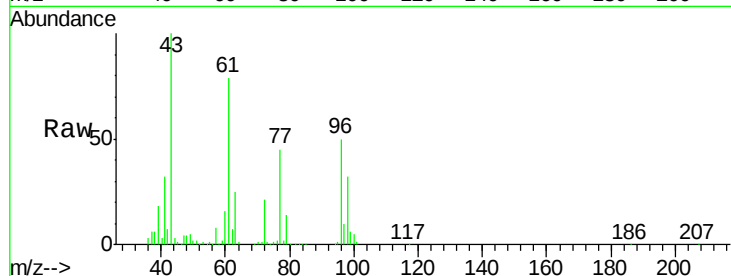
cis-1,2-Dichloroethene
Concen: 49.305 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.0	0.0	325.6	
98	64.6	0.0	128.2	

Manual Integrations
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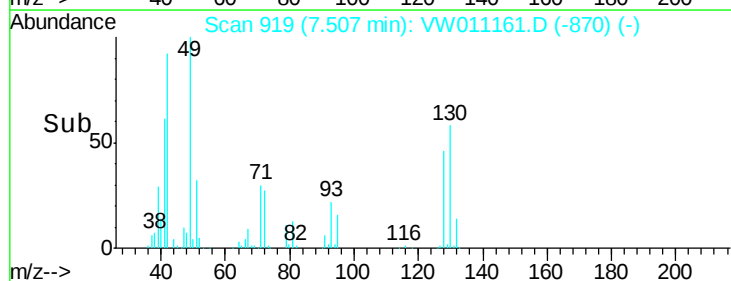
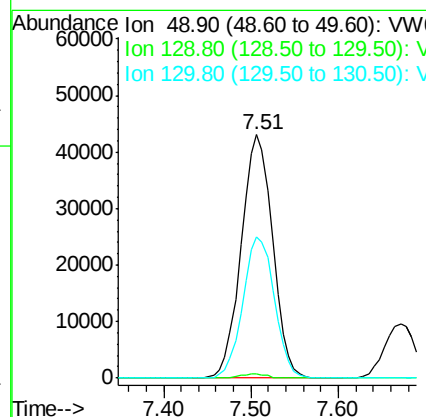
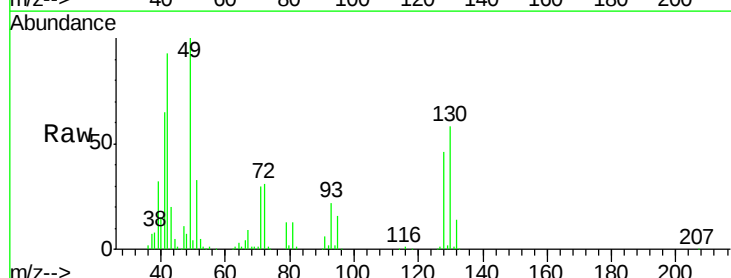
MMDadoda
7/9/2019 4:13:06 PM

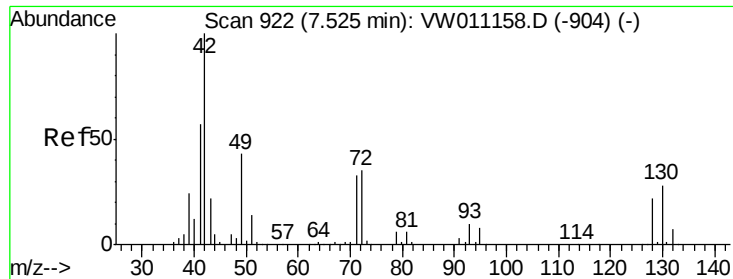


#28

Bromochloromethane
Concen: 42.142 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	1.4#	
130	58.4	45.8	68.8	





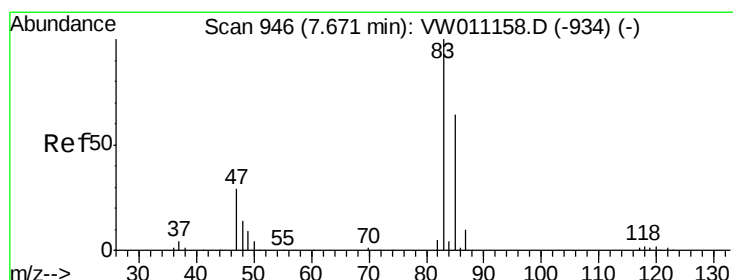
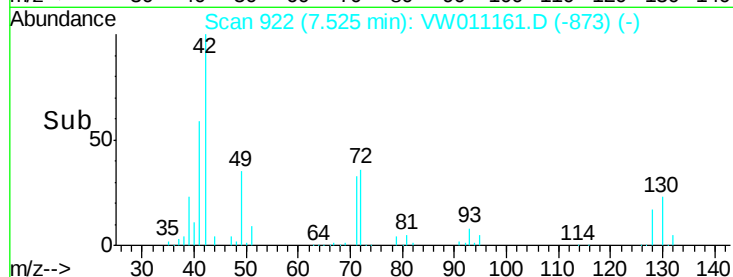
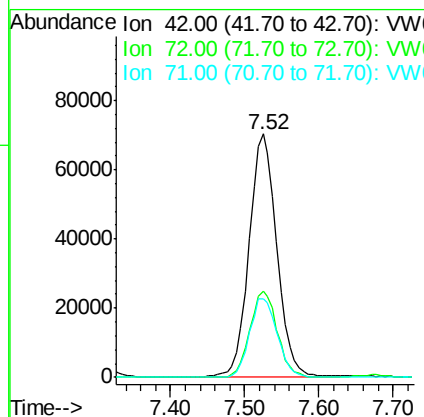
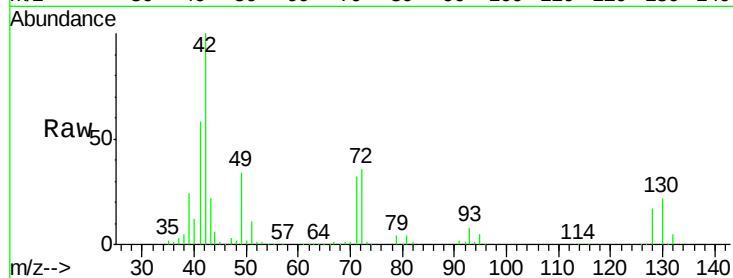
#29
Tetrahydrofuran
Concen: 240.516 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.4	41.2
71	32.5	25.9	38.9

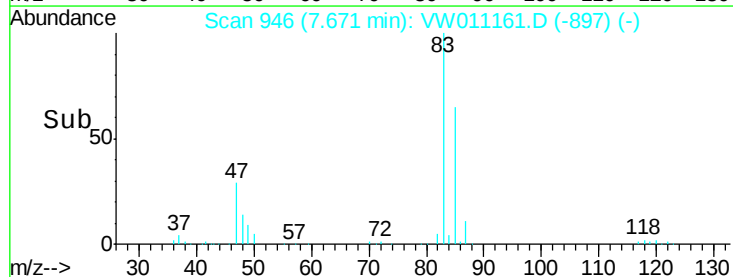
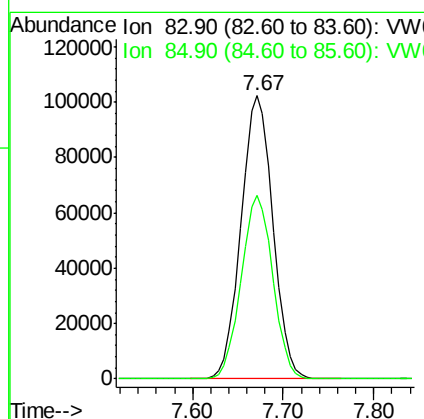
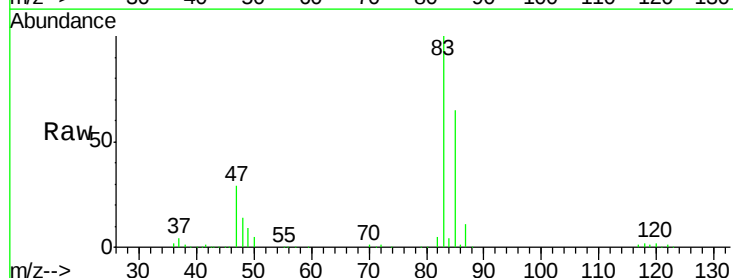
Manual Integrations
APPROVED

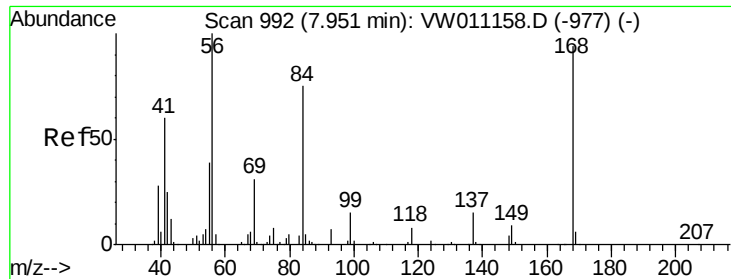
MMDadoda
7/9/2019 4:13:06 PM



#30
Chloroform
Concen: 47.816 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





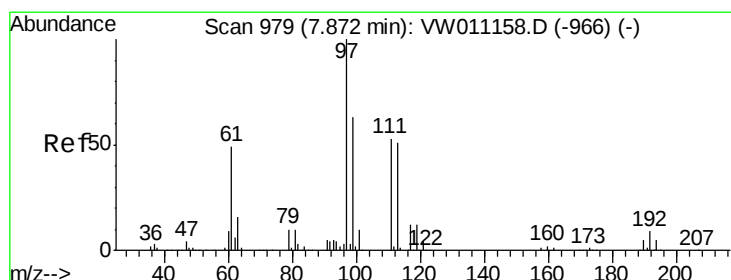
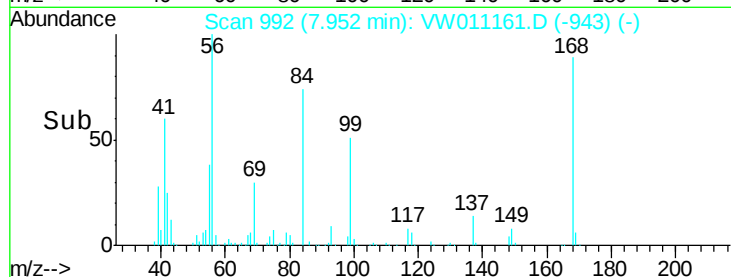
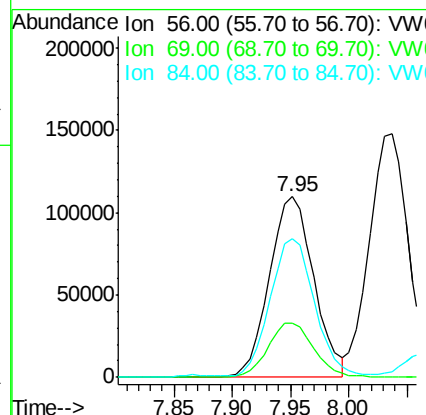
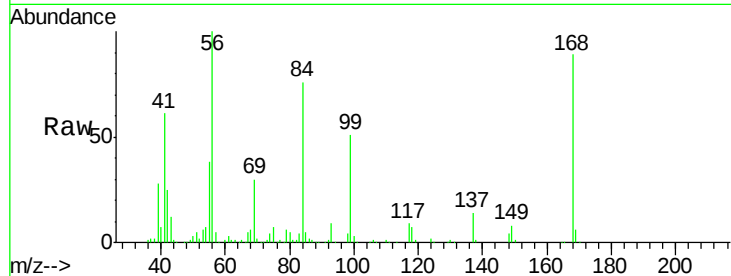
#31
Cvclohexane
Concen: 48.493 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampled :
ICVW070819

Tot Ion	Ratio	Resp	Lower	Upper
56	100	289380		
69	30.0		24.6	36.8
84	75.1		60.1	90.1

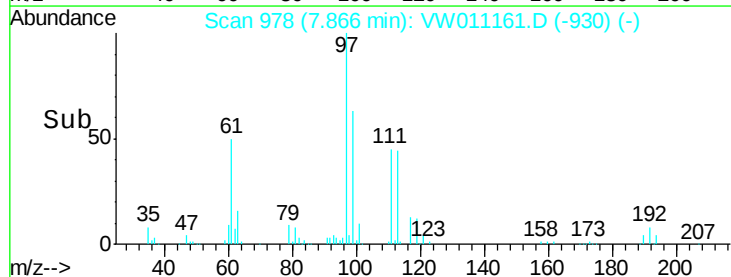
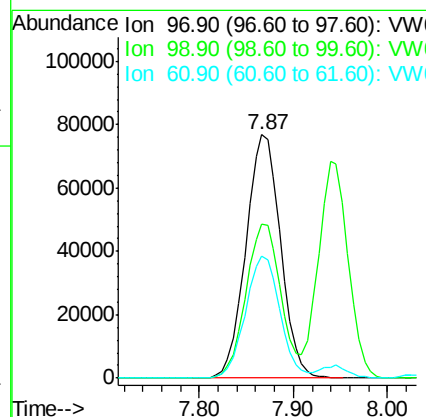
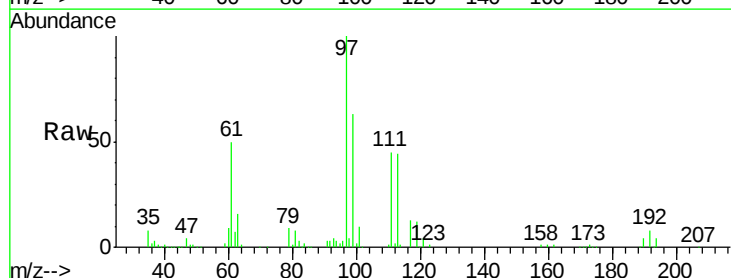
Manual Integrations
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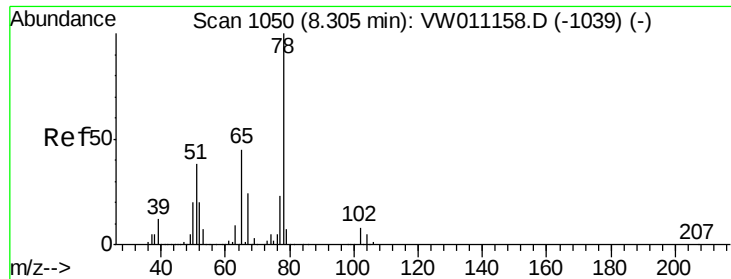
MMDadoda
7/9/2019 4:13:06 PM



#32
1,1,1-Trichloroethane
Concen: 49.848 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	196982		
99	64.5		51.0	76.4
61	50.2		40.4	60.6





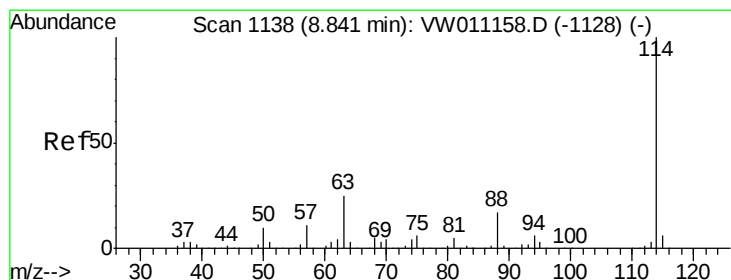
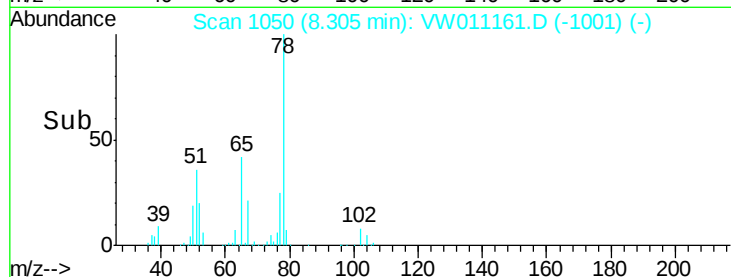
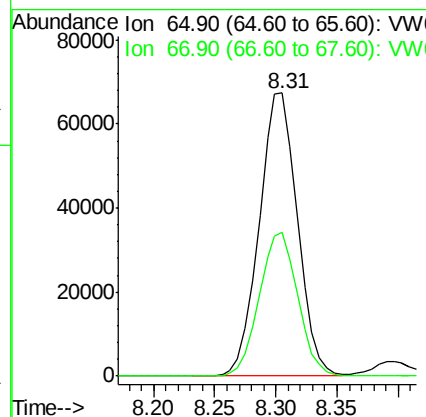
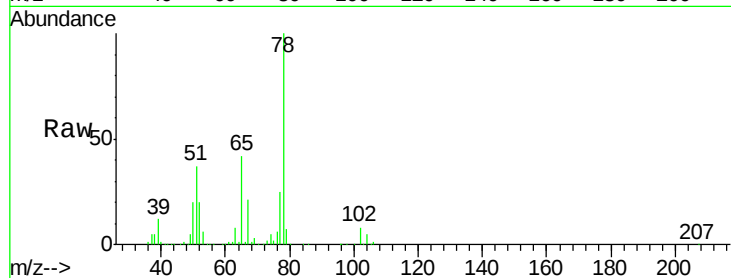
#33
 1,2-Dichloroethane-d4
 Concen: 47.646 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW070819

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146779		
67	51.0	0.0	104.4	

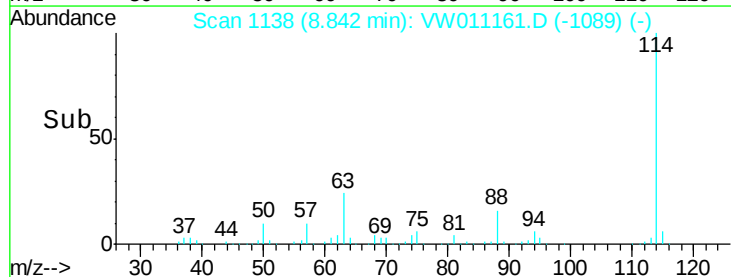
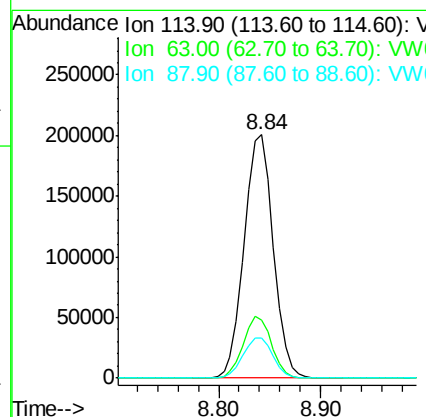
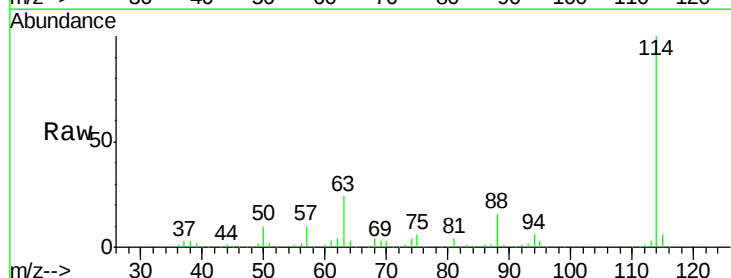
Manual Integrations
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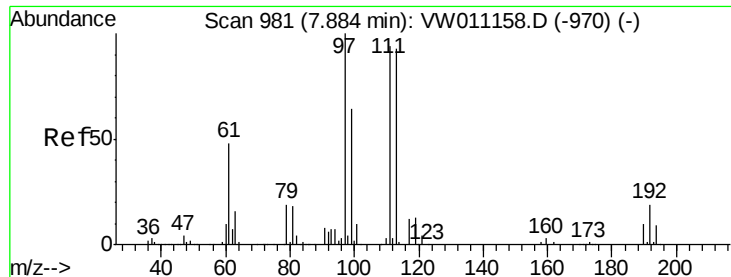
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398280		
63	23.7	0.0	50.8	
88	16.3	0.0	34.2	





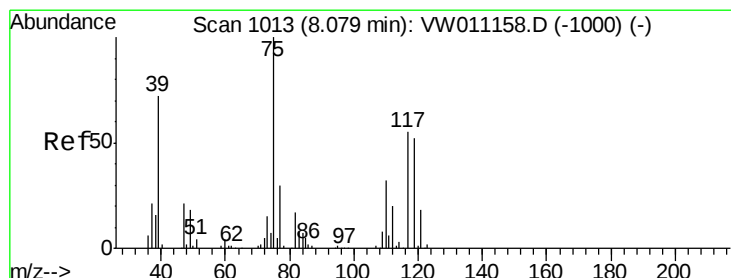
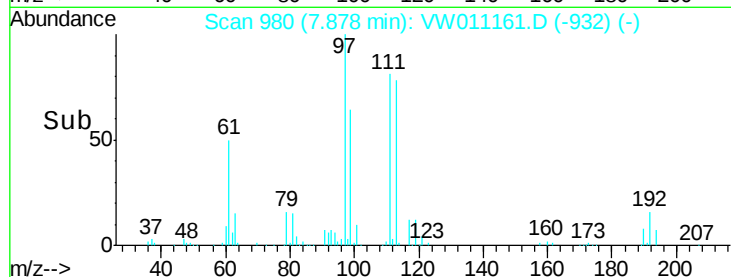
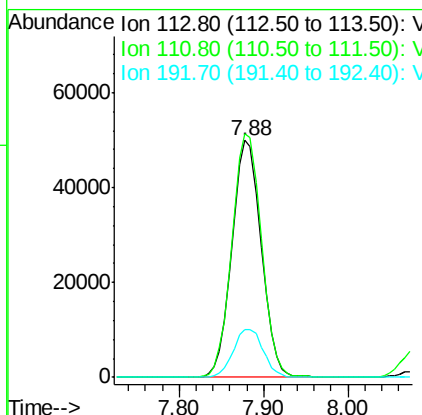
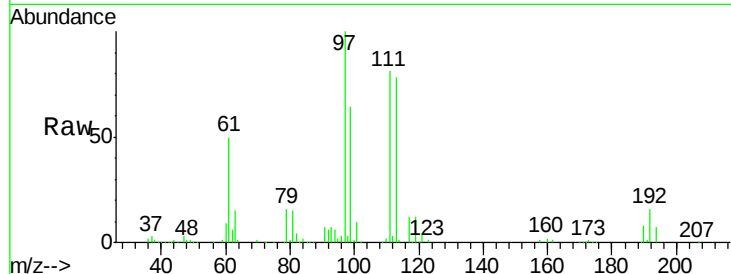
#35
 Dibromofluoromethane
 Concen: 49.536 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW070819

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117596		
111	103.5	82.4	123.6	
192	20.6	15.8	23.8	

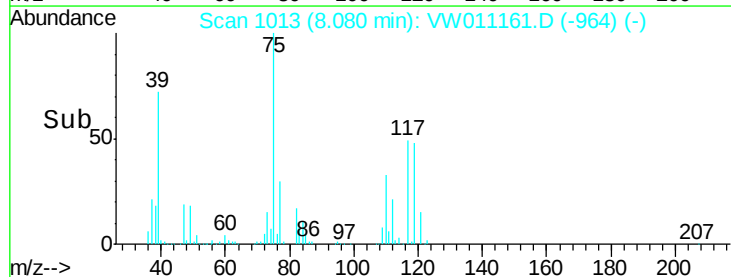
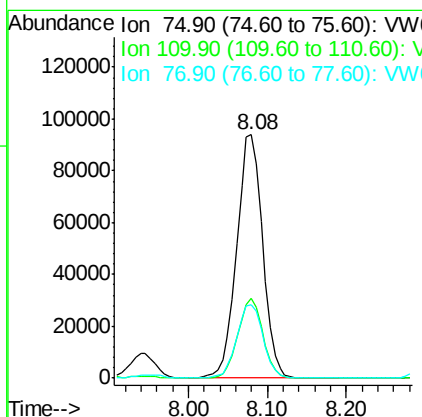
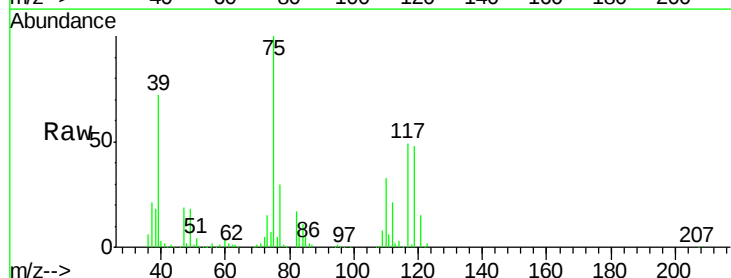
Manual Integrations
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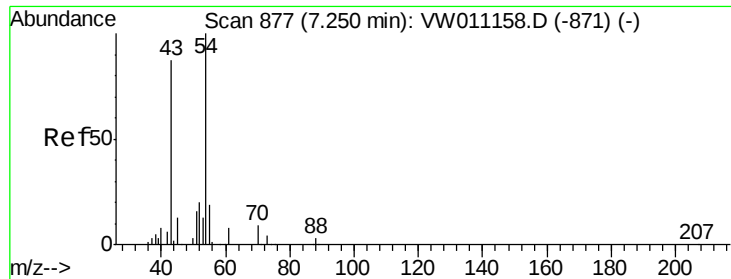
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#36
 1,1-Dichloropropene
 Concen: 50.638 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	214770		
110	31.5	15.9	47.6	
77	30.7	24.6	36.8	





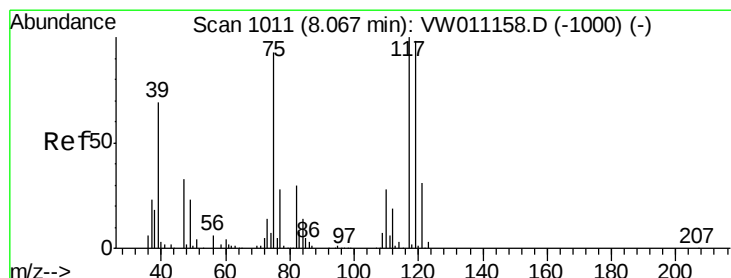
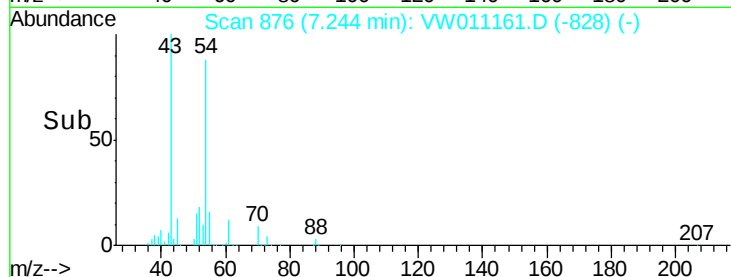
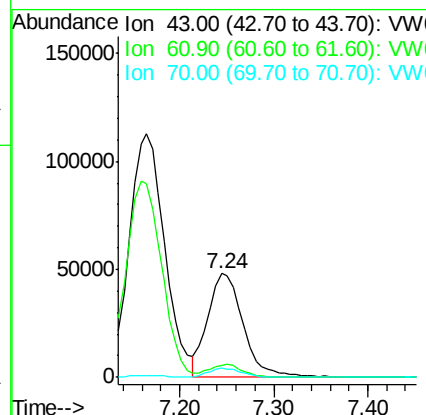
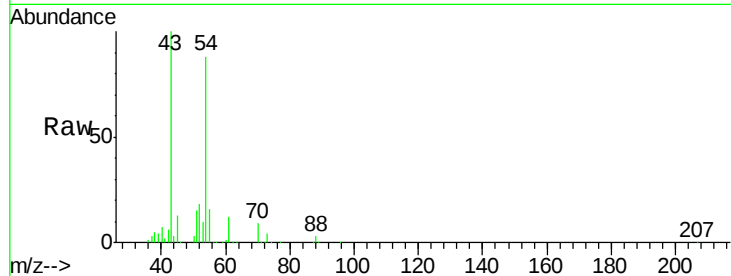
#37
Ethyl Acetate
Concen: 48.625 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.6	9.5	14.3	
70	8.6	7.1	10.7	

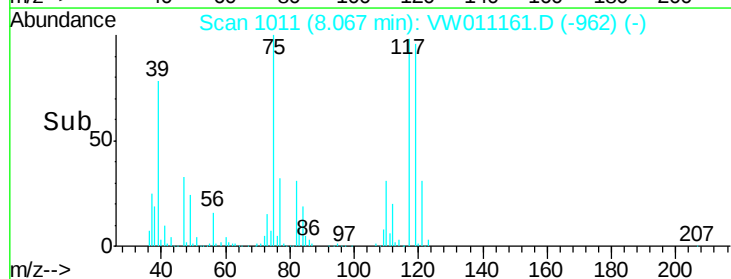
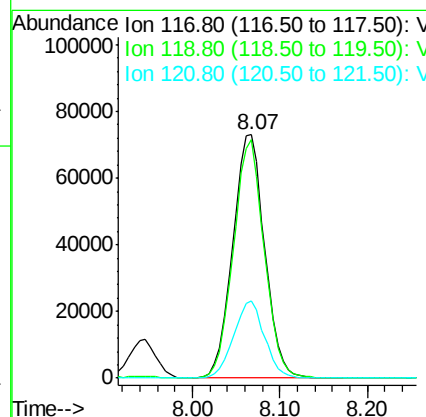
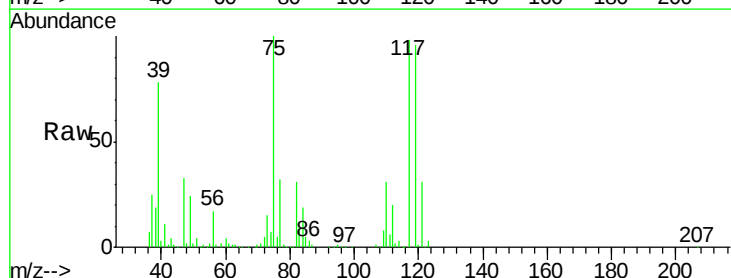
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#38
Carbon Tetrachloride
Concen: 51.392 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.8	78.1	117.1	
121	31.9	25.1	37.7	





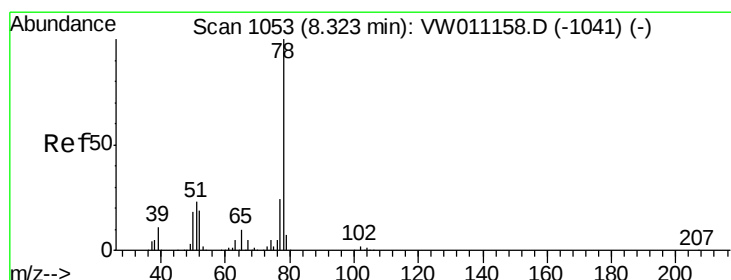
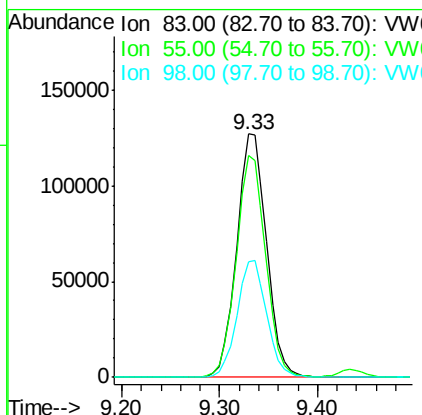
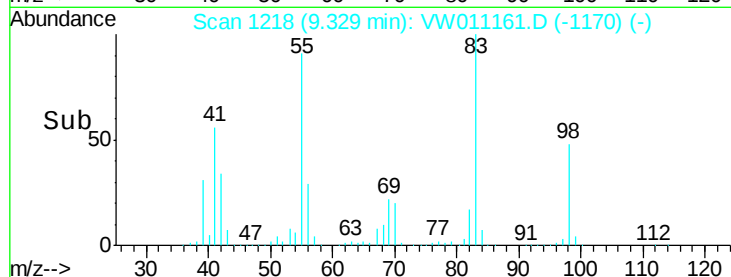
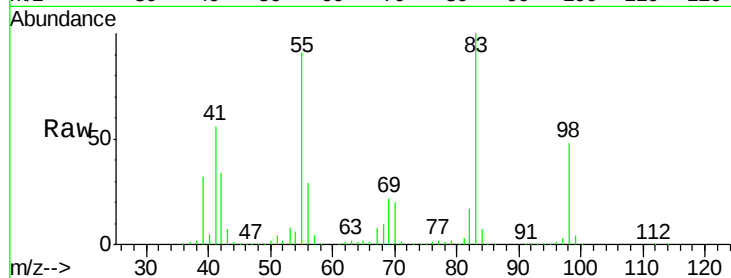
#39
Methvlcvclohexane
Concen: 52.236 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	83.00	Resp	268528
Ion	Ratio	Lower	Upper
83	100		
55	91.0	71.2	106.8
98	47.7	37.5	56.3

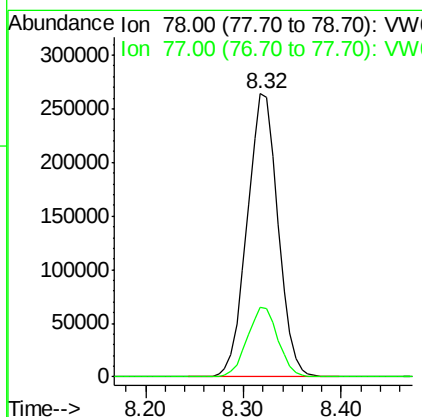
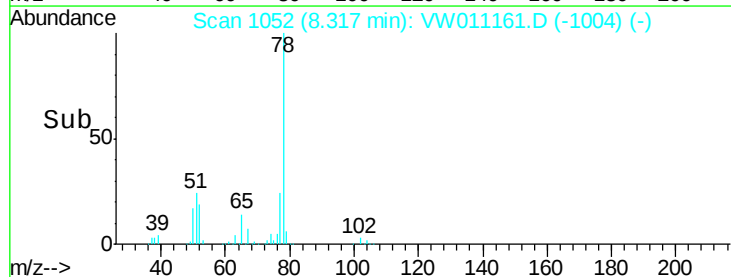
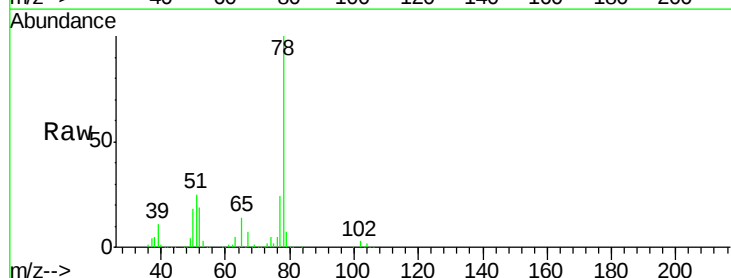
Manual Integrations
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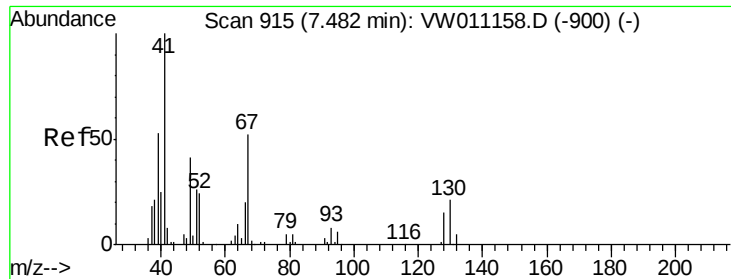
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#40
Benzene
Concen: 49.516 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	78.00	Resp	580397
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





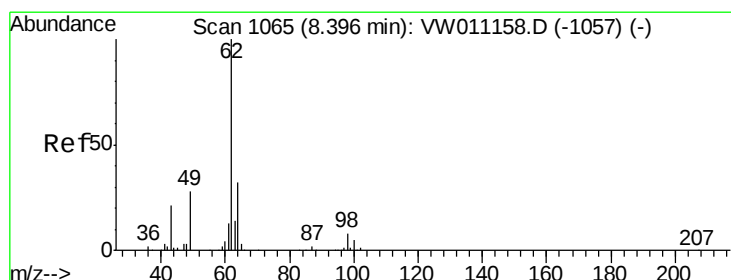
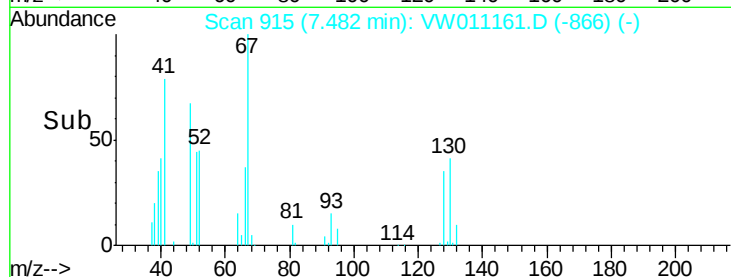
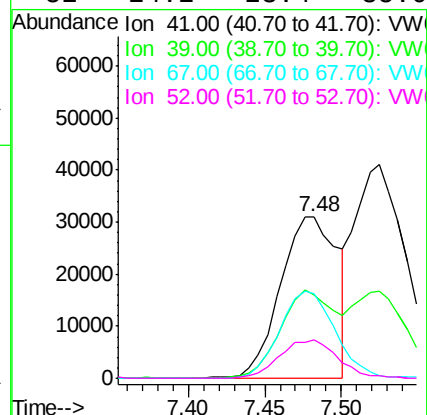
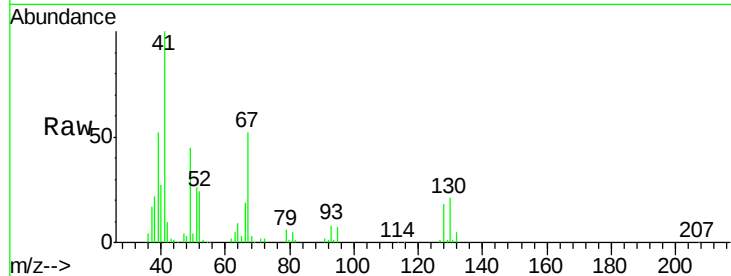
#41
Methacrylonitrile
Concen: 55.191 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	48.0	72.0	
67	52.3	49.7	74.5	
52	24.2	23.4	35.0	

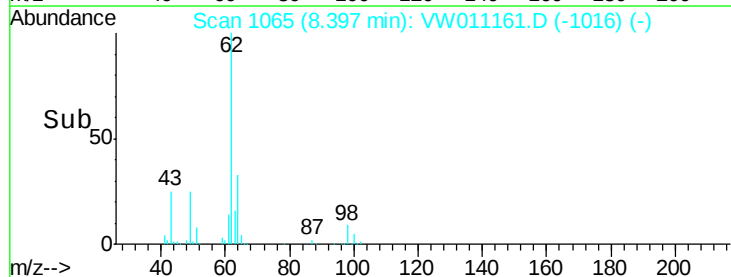
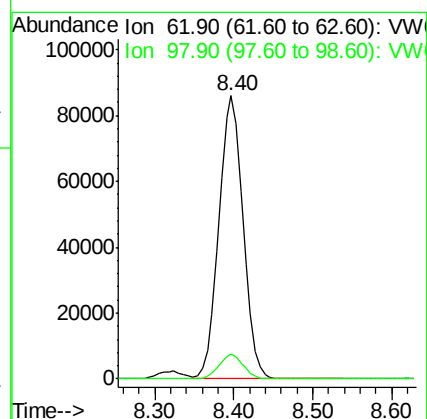
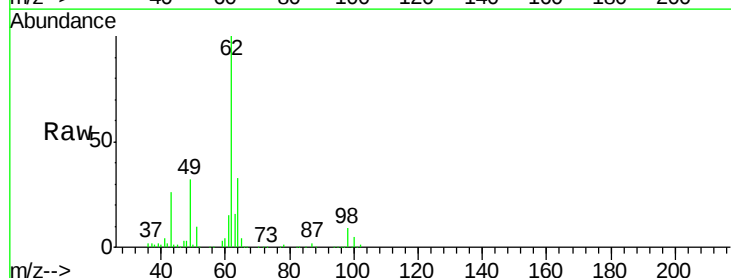
Manual Integrations
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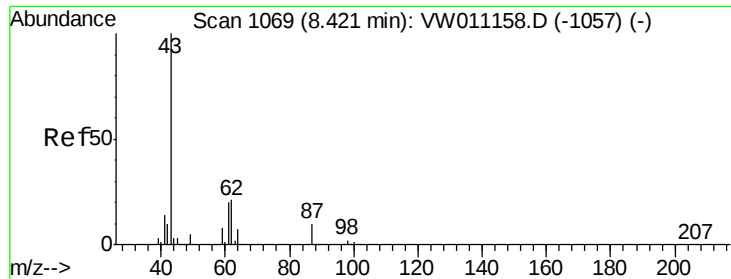
MMDadoda
7/9/2019 4:13:06 PM



#42
1,2-Dichloroethane
Concen: 48.387 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.8	





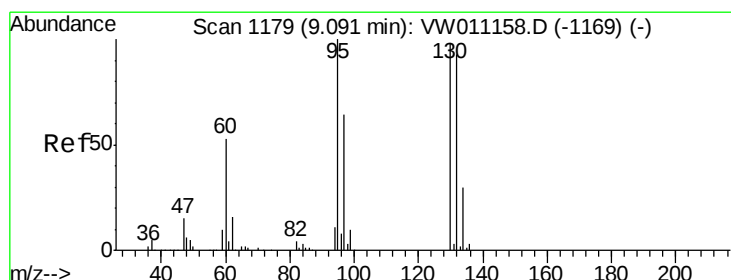
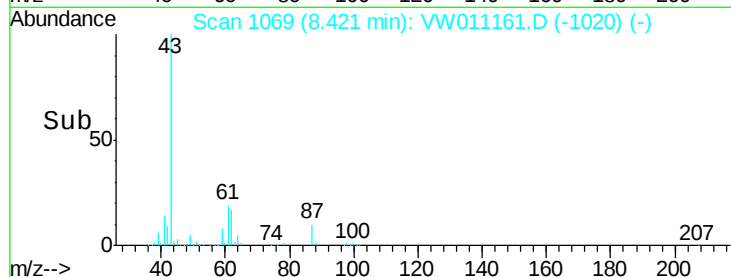
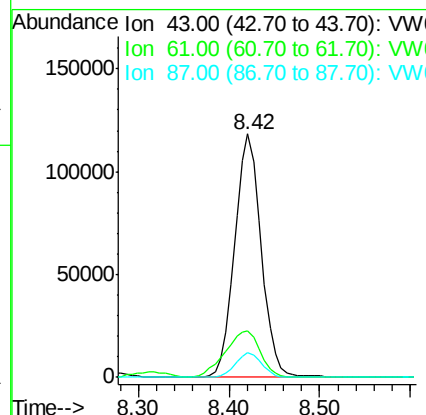
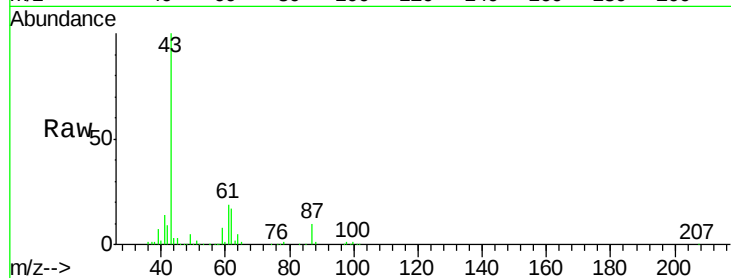
#43
Isopropyl Acetate
Concen: 49.665 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	43	Resp	238945
Ion Ratio	100	Lower	Upper
43	100		
61	25.5	20.7	31.1
87	10.3	8.1	12.1

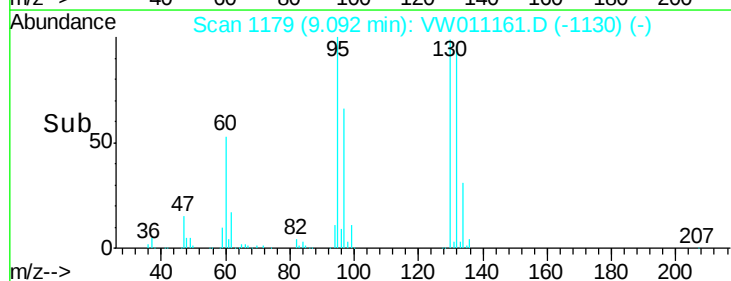
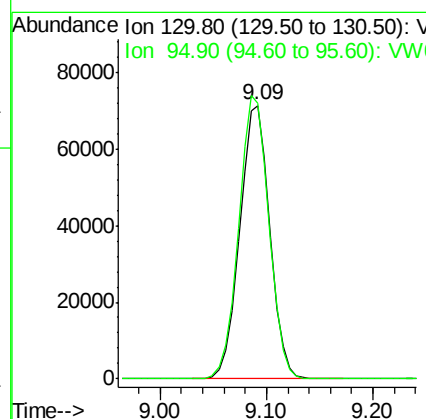
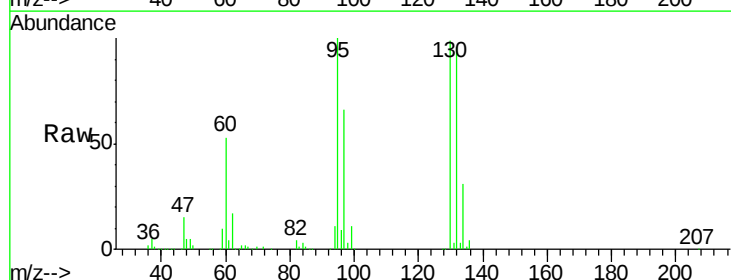
Manual Integrations
APPROVED

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7/9/2019 4:13:06 PM



#44
Trichloroethene
Concen: 50.014 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	130	Resp	141072
Ion Ratio	100	Lower	Upper
130	100		
95	100.9	0.0	203.6





#45

1,2-Dichloropropane

Concen: 49.551 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 63 Resp: 157280

Ion Ratio Lower Upper

63 100

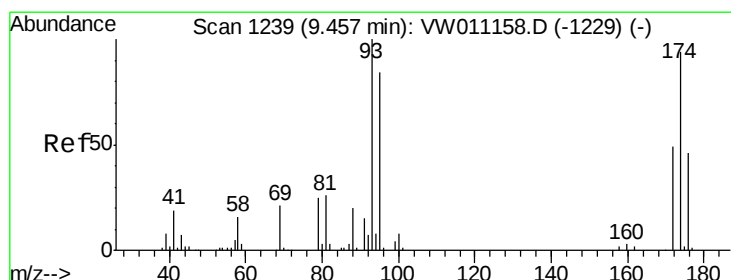
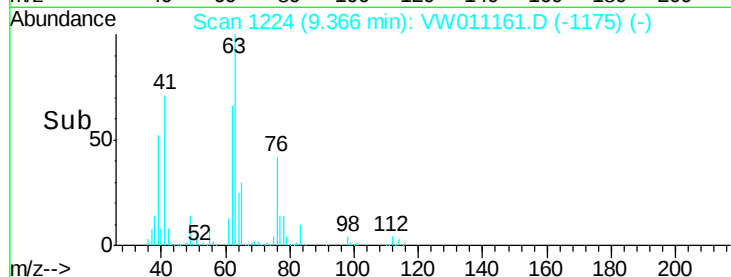
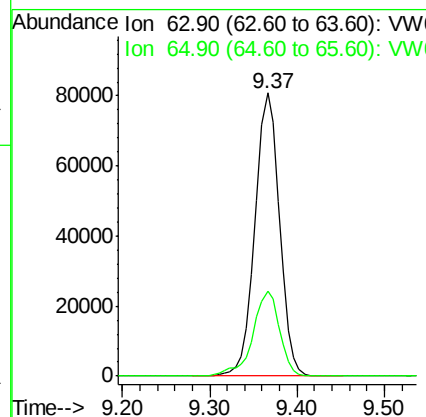
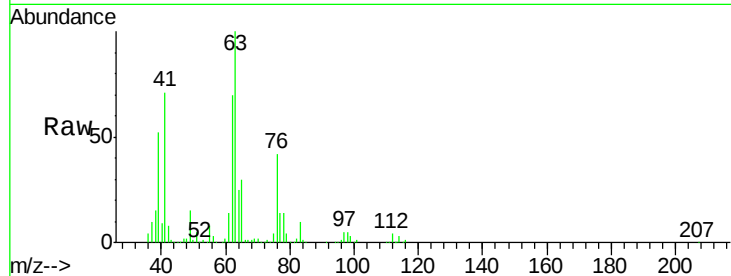
65 30.1 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 48.811 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

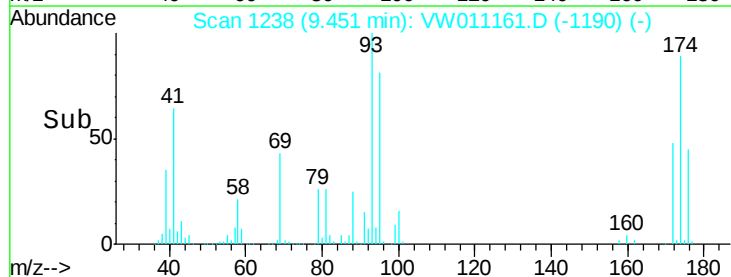
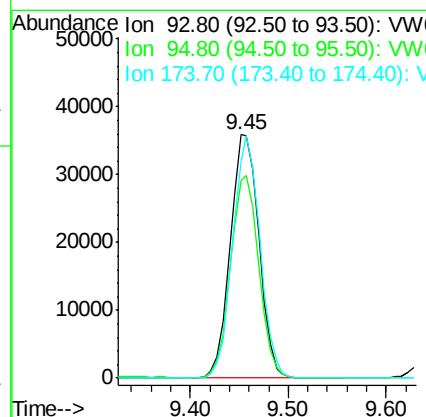
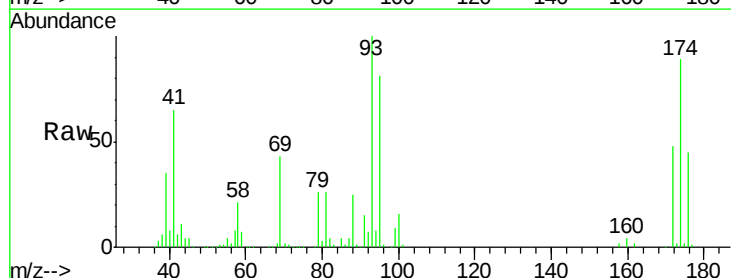
Tgt Ion: 93 Resp: 72779

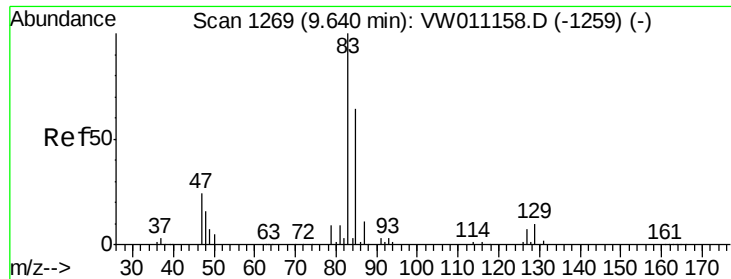
Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 94.9 76.3 114.5





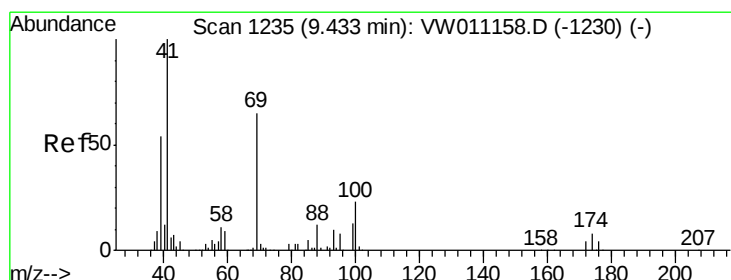
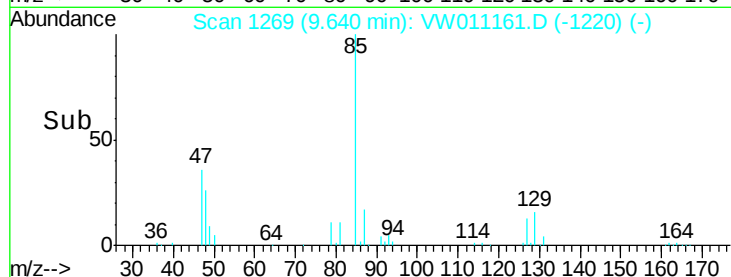
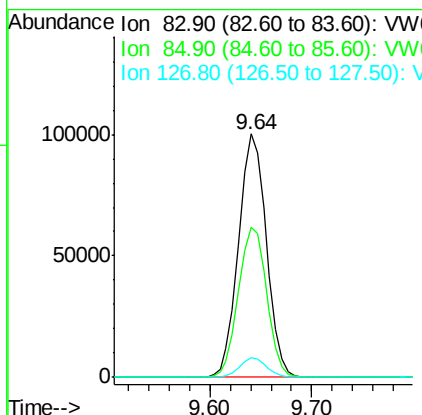
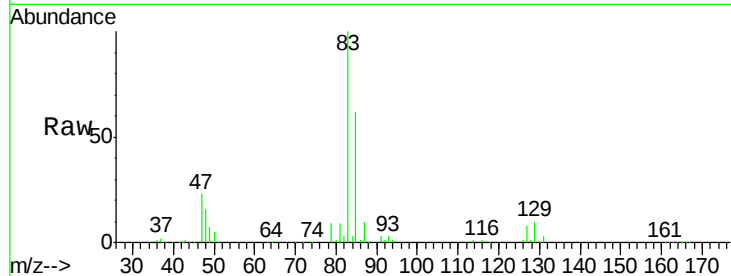
#47
Bromodichloromethane
Concen: 49.696 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	83	Resp	189592
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.0	76.4
127	7.8	6.0	9.0

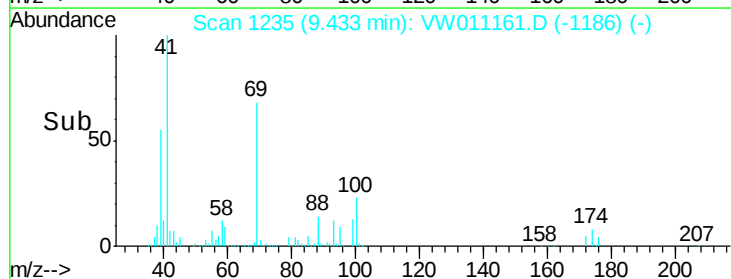
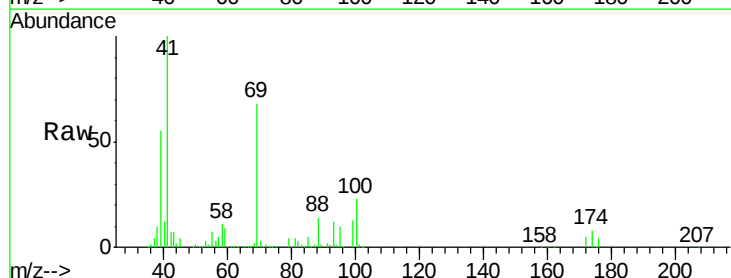
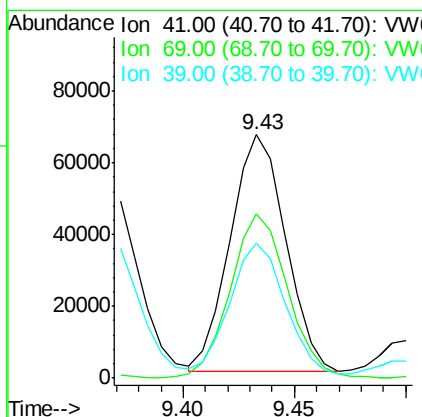
Manual Integrations
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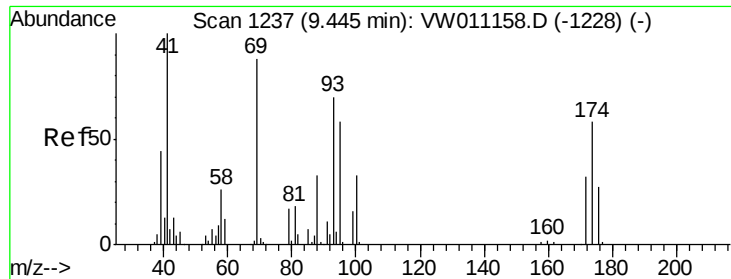
MMDadoda
7/9/2019 4:13:06 PM



#48
Methyl methacrylate
Concen: 49.001 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	41	Resp	113418
Ion Ratio	100	Lower	Upper
41	100		
69	72.7	56.0	84.0
39	55.3	43.5	65.3





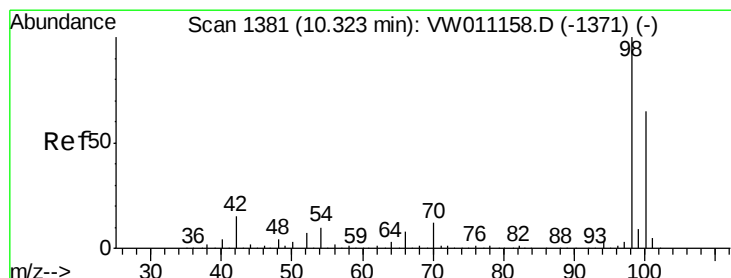
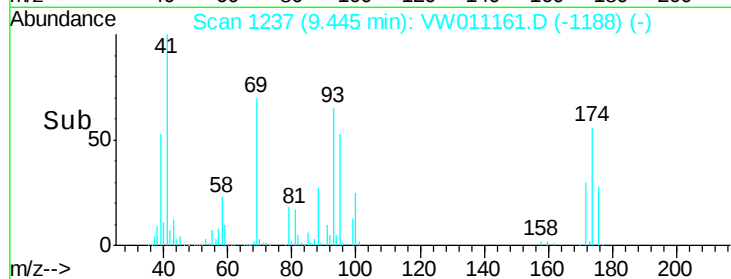
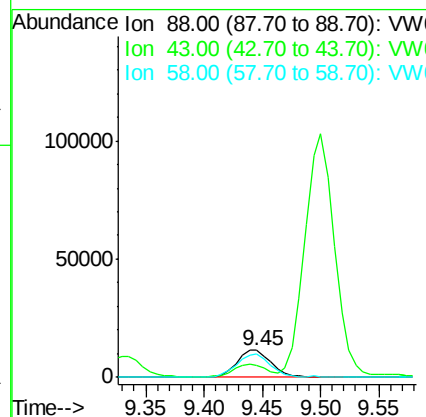
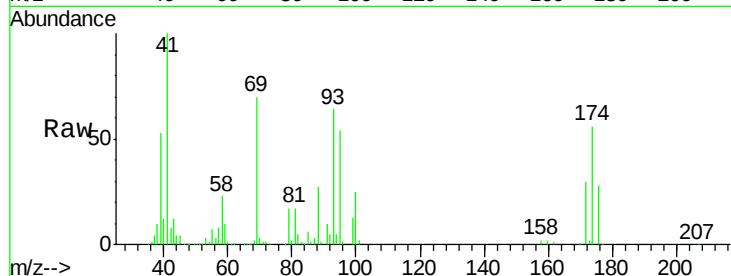
#49
1,4-Dioxane
Concen: 951.786 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.8	33.4	50.0
58	84.6	64.5	96.7

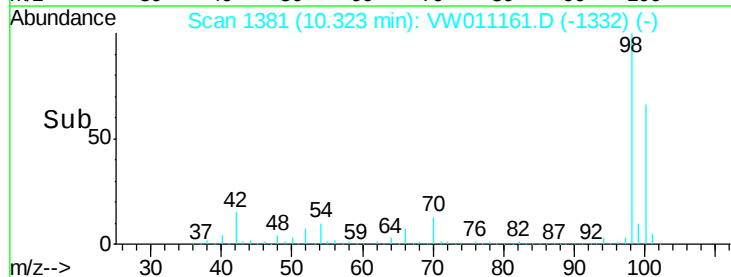
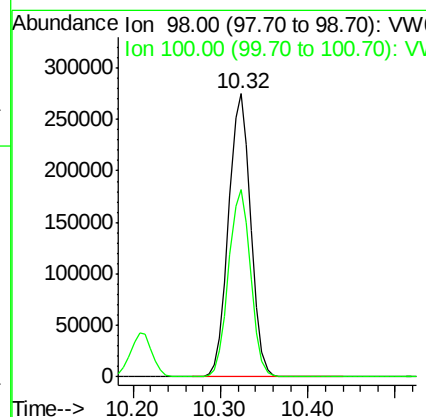
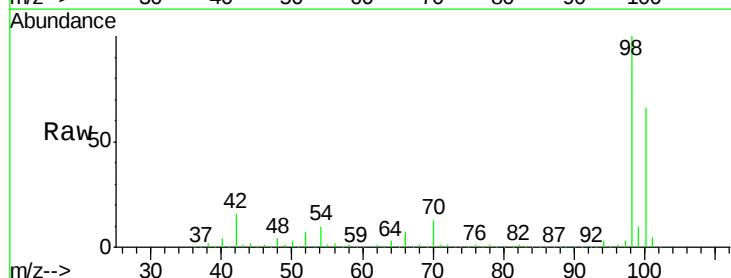
Manual Integrations
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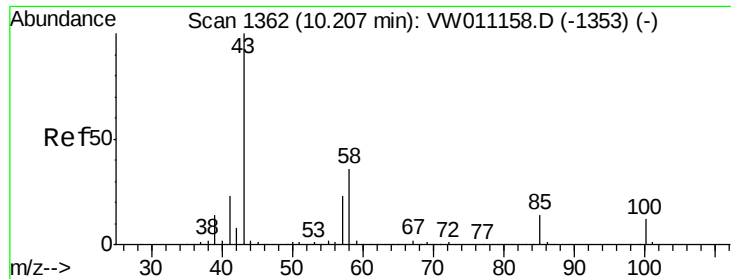
MMDadoda
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#50
Toluene-d8
Concen: 50.151 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 246.412 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 43 Resp: 619285

Ion Ratio Lower Upper

43 100

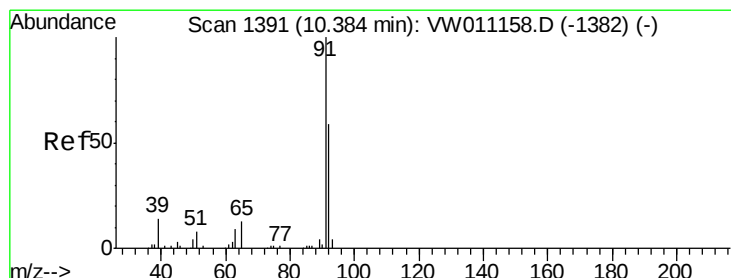
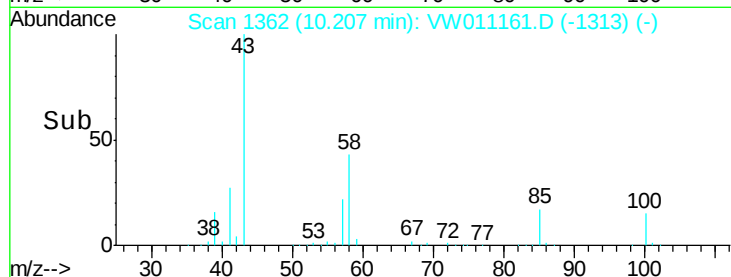
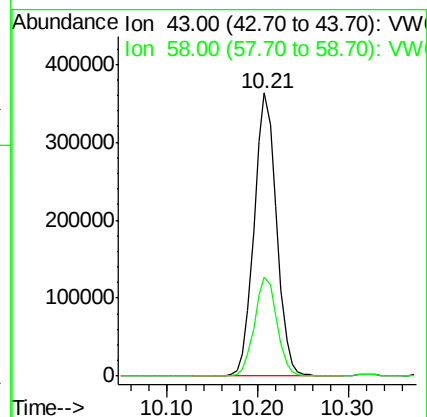
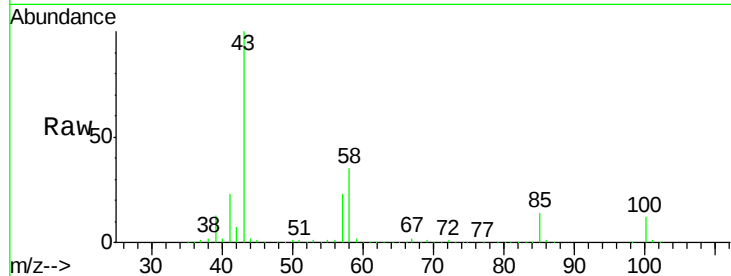
58 35.1 28.2 42.2

Manual Integrations

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7/9/2019 4:13:06 PM



#52

Toluene

Concen: 50.742 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011161.D

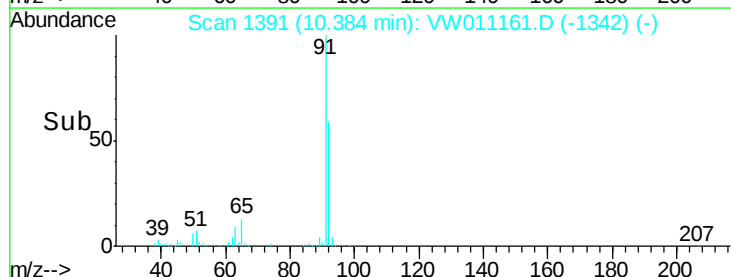
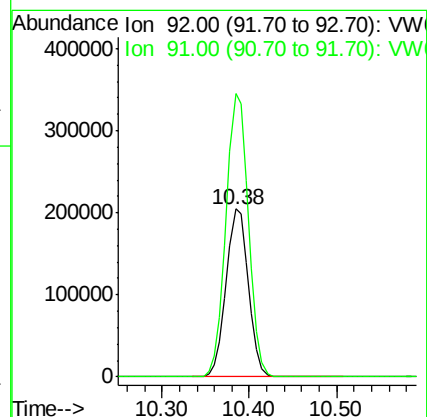
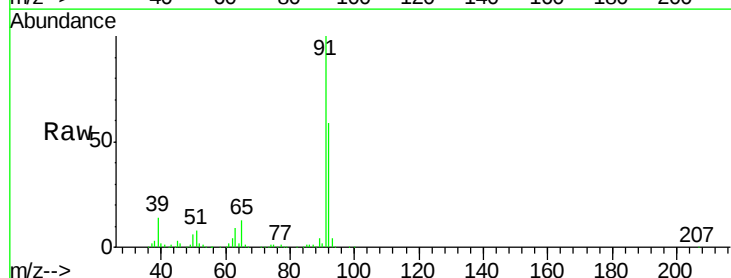
Acq: 08 Jul 2019 13:30

Tgt Ion: 92 Resp: 360789

Ion Ratio Lower Upper

92 100

91 169.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 51.013 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 75 Resp: 207159

Ion Ratio Lower Upper

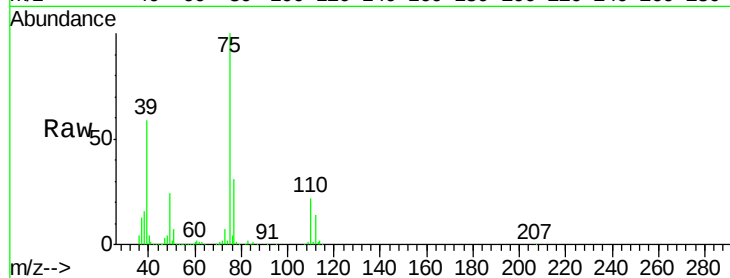
75 100

77 30.7 25.4 38.0

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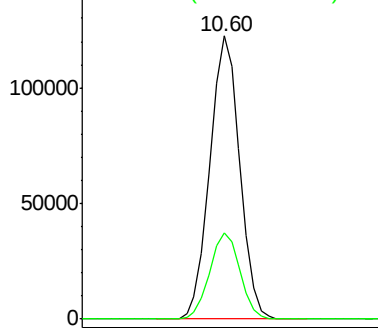
MMDadoda

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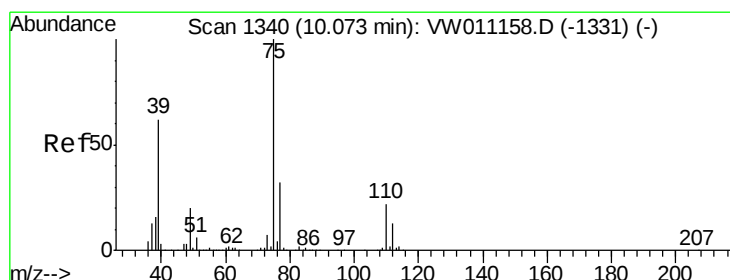
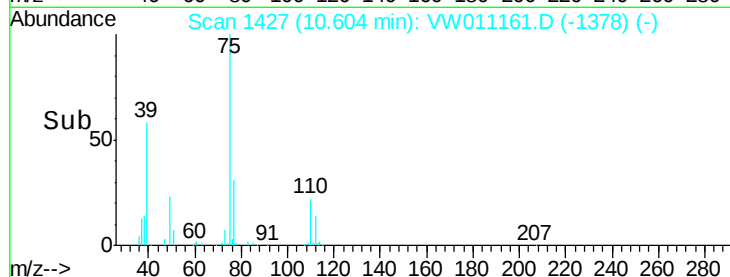


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 50.472 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

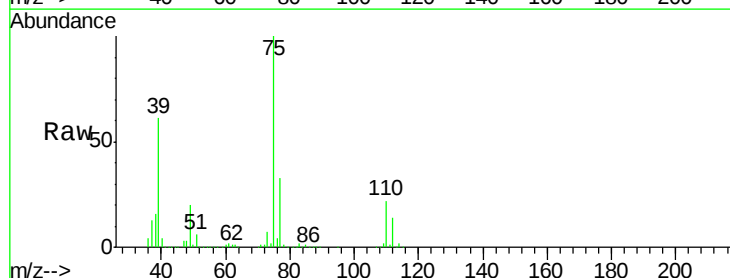
Tgt Ion: 75 Resp: 241251

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

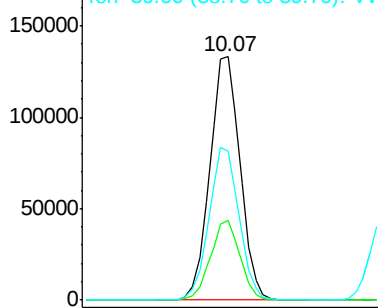
39 61.3 49.8 74.8



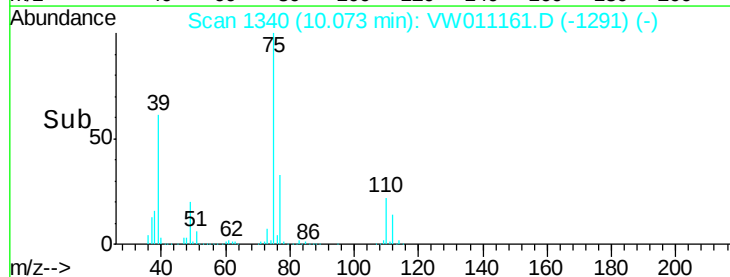
Abundance Ion 74.90 (74.60 to 75.60): VW

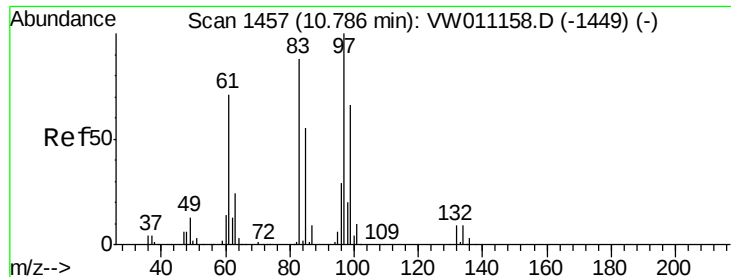
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time--> 10.00 10.10





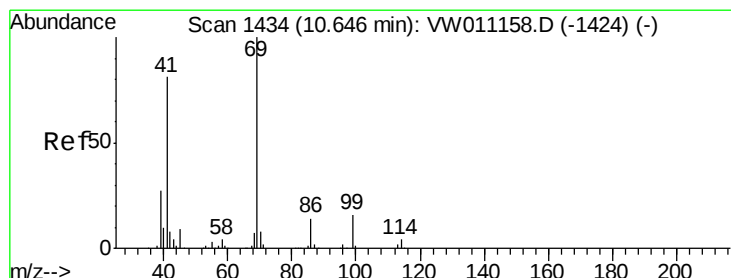
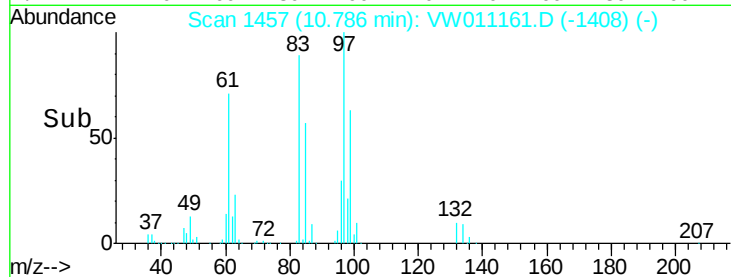
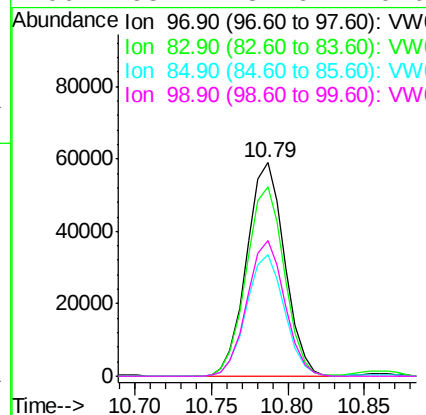
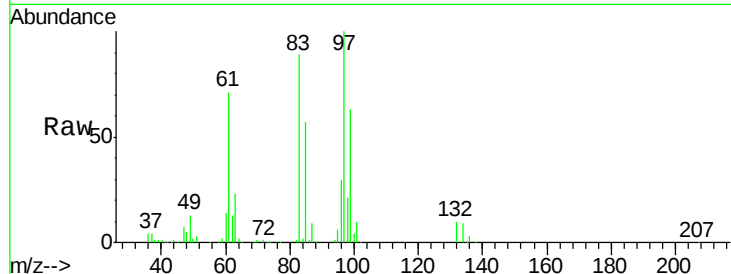
#55
 1,1,2-Trichloroethane
 Concen: 48.352 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW070819

Tot Ion	Ratio	Resp	Lower	Upper
97	100	102277		
83	88.7	70.2	105.4	
85	56.7	44.2	66.2	
99	63.1	52.6	79.0	

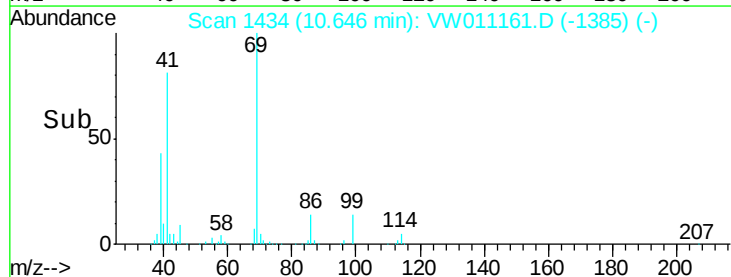
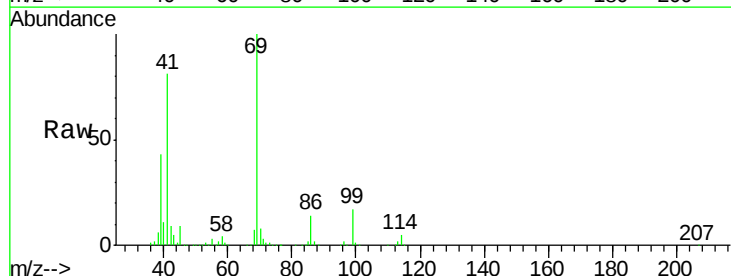
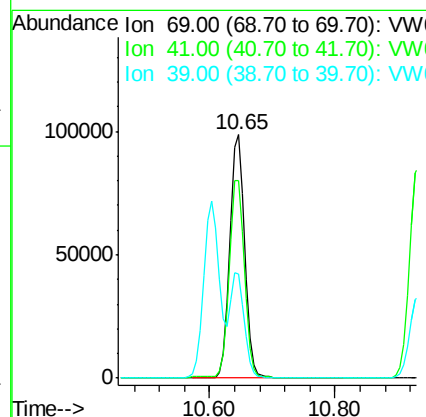
Manual Integrations
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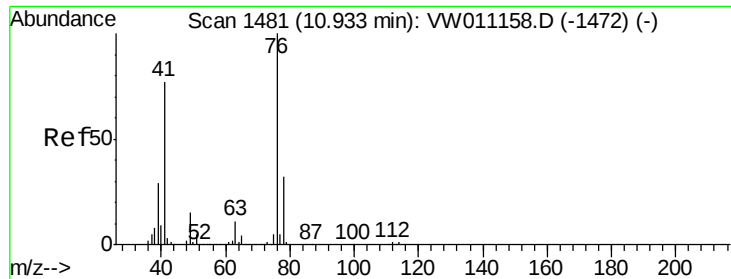
MMDadoda
 7/9/2019 4:13:06 PM



#56
 Ethyl methacrylate
 Concen: 50.429 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	162403		
41	82.5	66.5	99.7	
39	38.7	32.5	48.7	





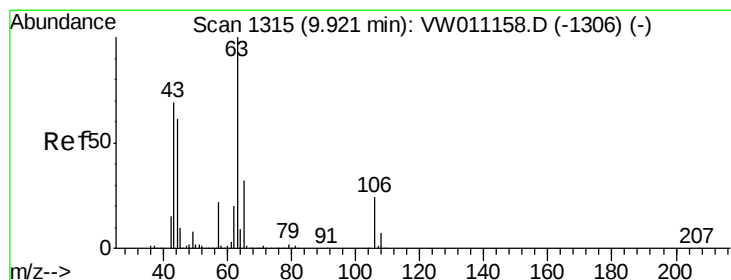
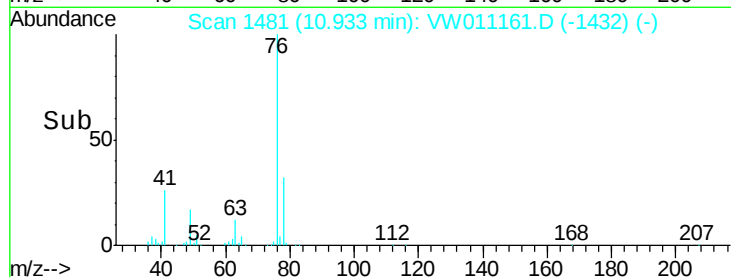
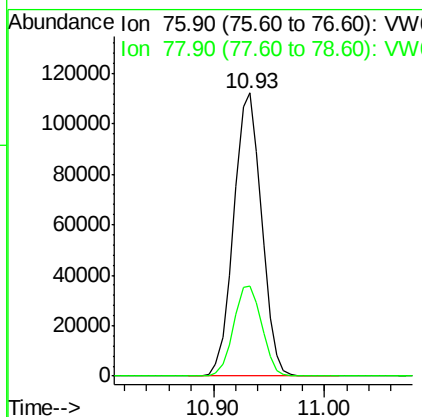
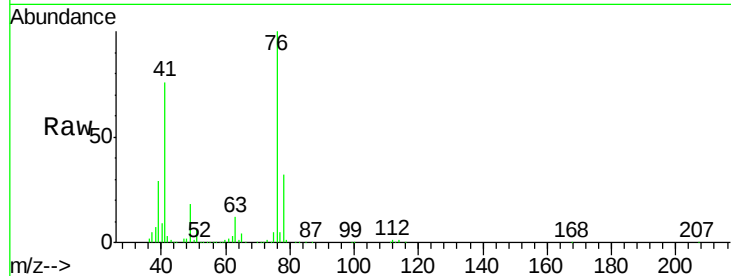
#57
 1,3-Dichloropropane
 Concen: 48.600 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW070819

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

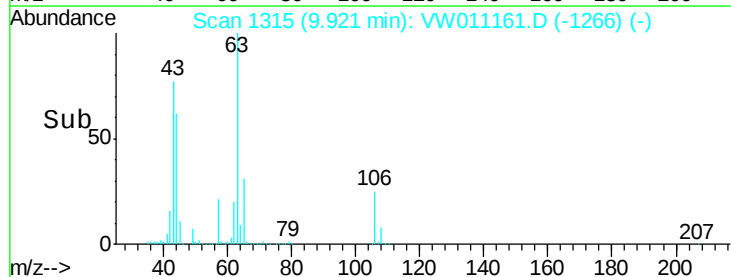
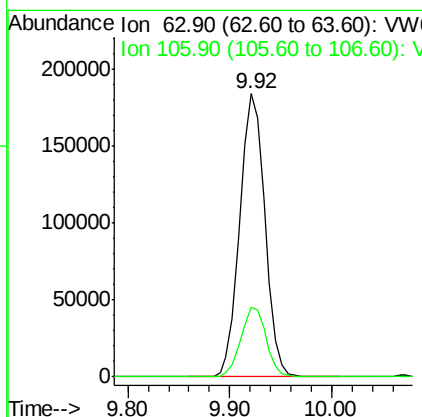
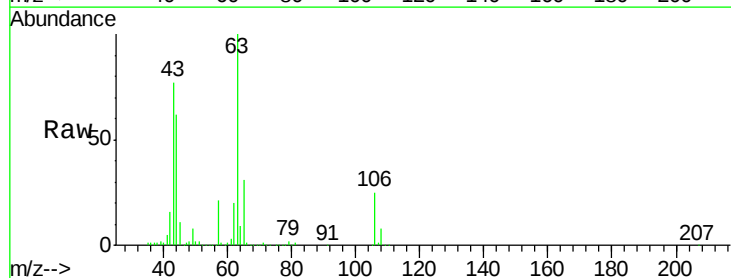
Manual Integrations
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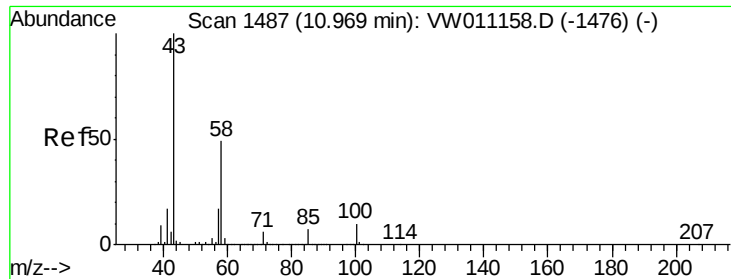
MMDadoda
 7/9/2019 4:13:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.208 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.4	29.0





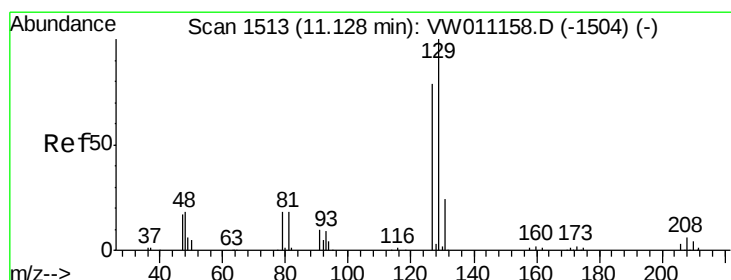
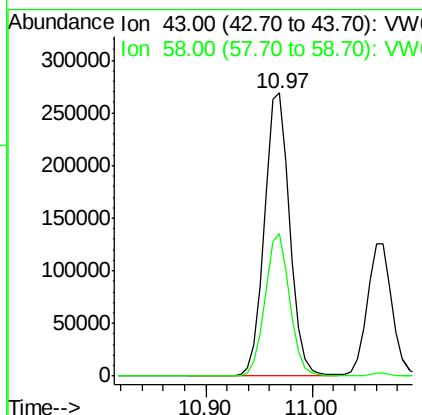
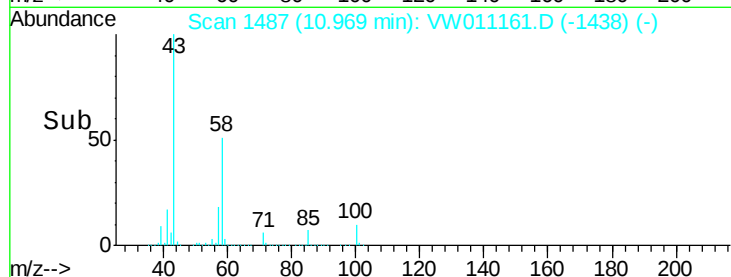
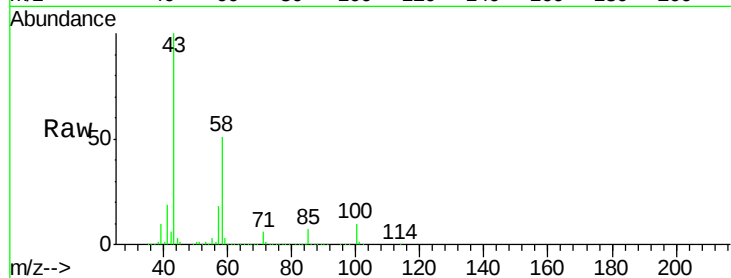
#59
2-Hexanone
Concen: 256.237 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion: 43 Resp: 446599
Ion Ratio Lower Upper
43 100
58 49.2 24.4 73.4

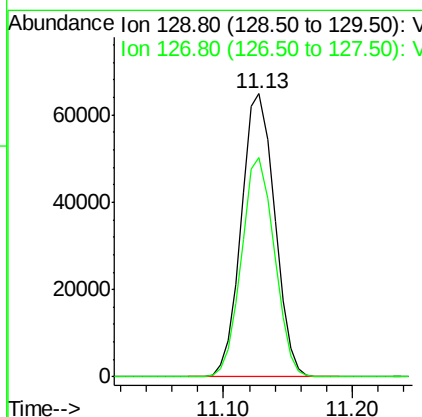
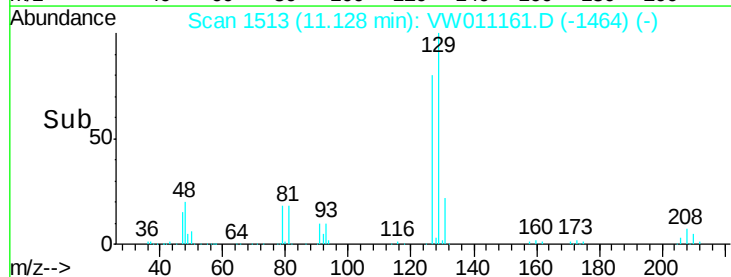
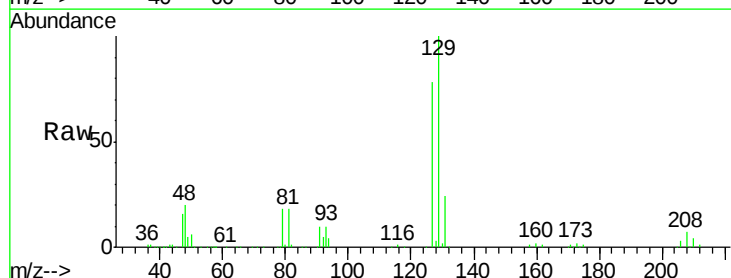
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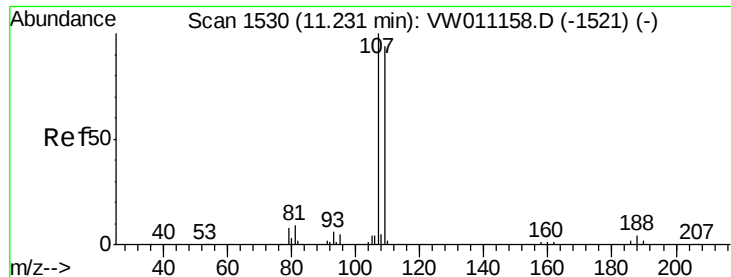
MMDadoda
7/9/2019 4:13:06 PM



#60
Dibromochloromethane
Concen: 50.281 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 129 Resp: 116628
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 49.027 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 107 Resp: 98232

Ion Ratio Lower Upper

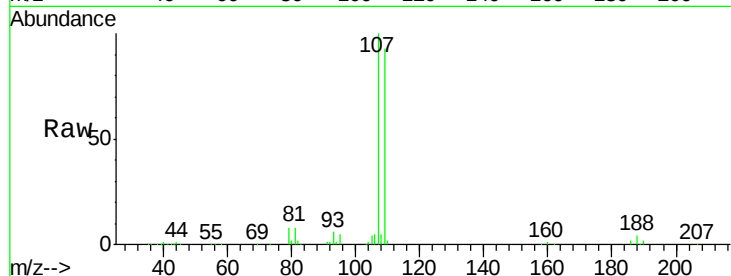
107 100

109 94.2 75.2 112.8

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

60000

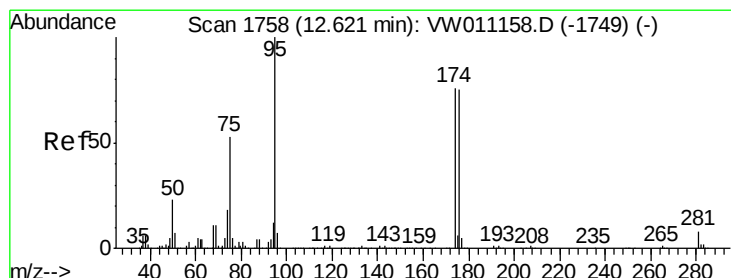
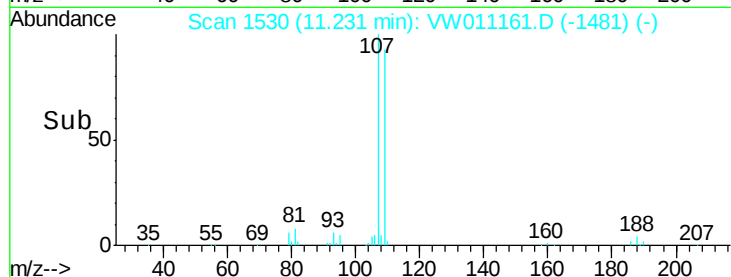
40000

20000

0

11.20 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 49.028 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

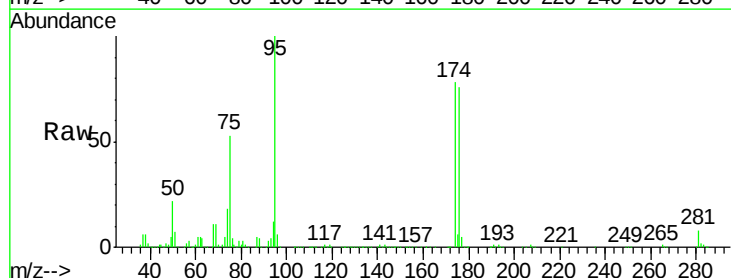
Tgt Ion: 95 Resp: 172441

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.6

176 73.0 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

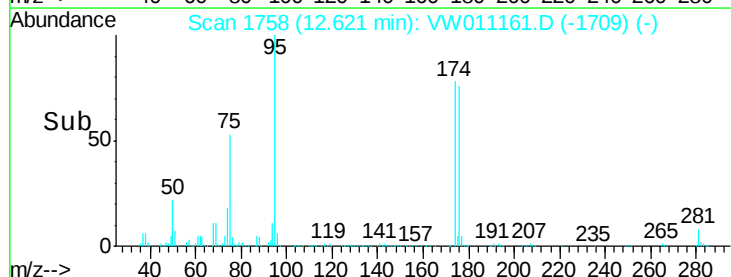
100000

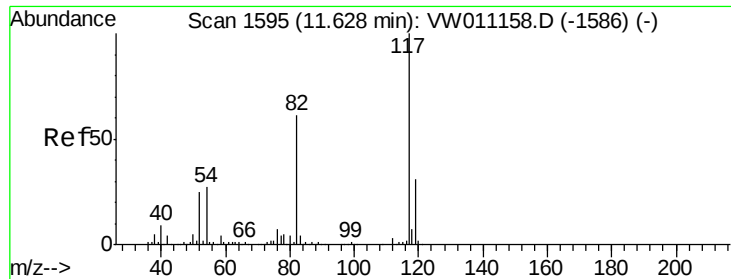
50000

0

12.55 12.60 12.65 12.70

Time-->





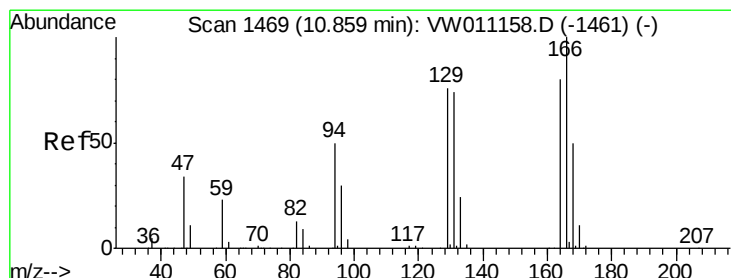
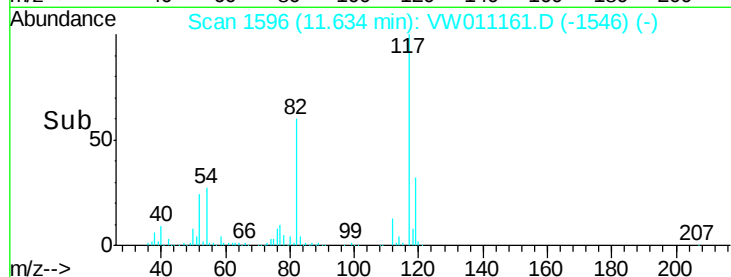
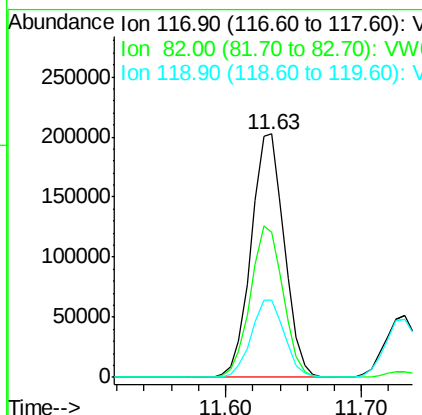
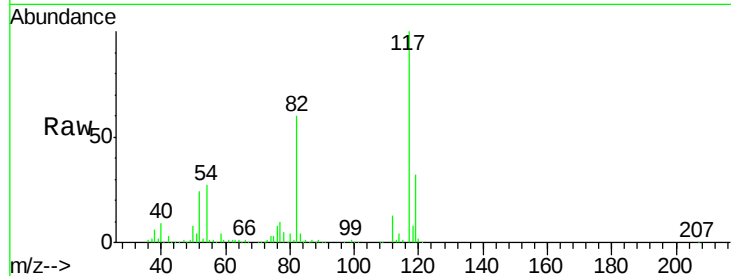
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Resp	Lower	Upper
117	100	346638		
82	59.8	48.9	73.3	
119	31.9	25.0	37.6	

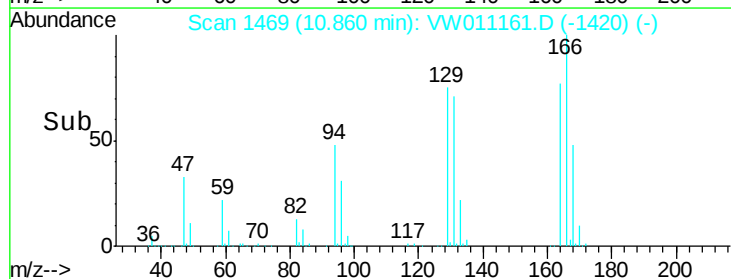
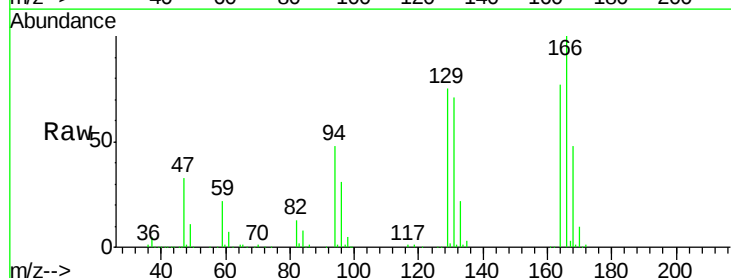
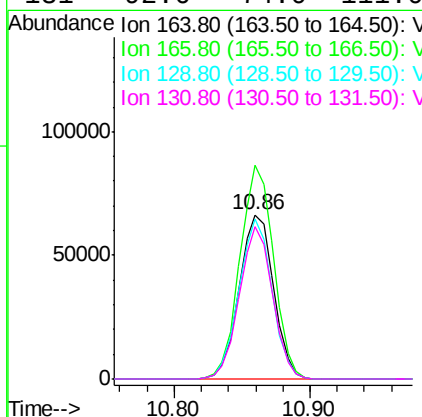
Manual Integrations
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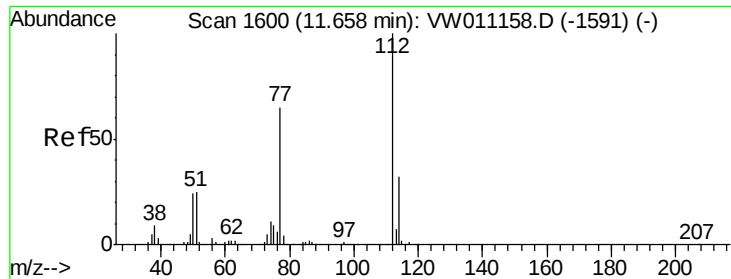
MMDadoda
7/9/2019 4:13:06 PM



#64
Tetrachloroethene
Concen: 49.917 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116758		
166	129.9	99.7	149.5	
129	97.0	76.2	114.2	
131	92.6	74.0	111.0	





#65

Chlorobenzene

Concen: 50.728 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion:112 Resp: 357507

Ion Ratio Lower Upper

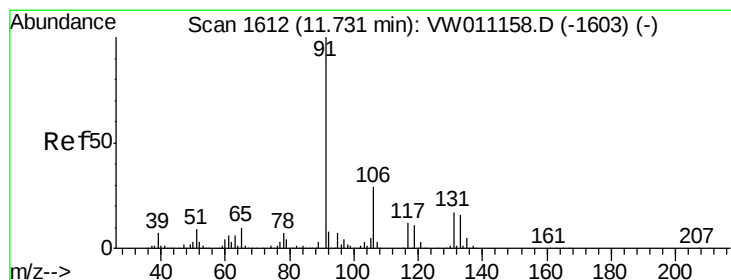
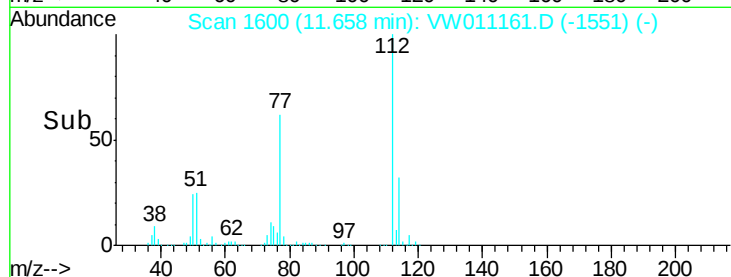
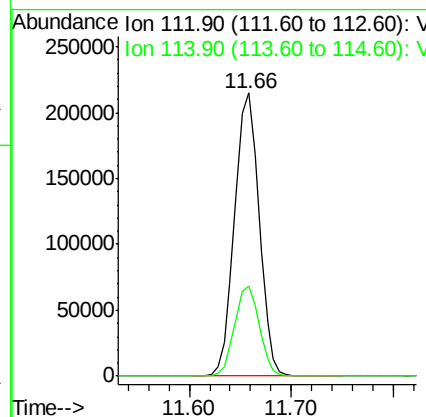
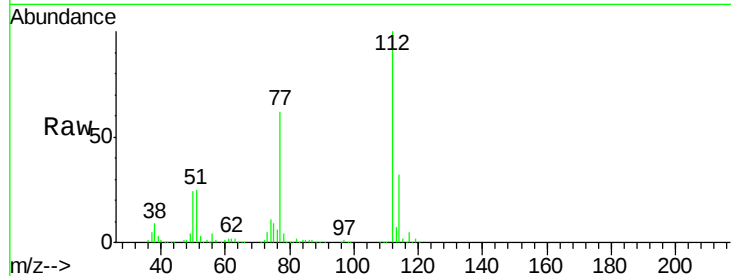
112 100

114 31.9 25.5 38.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 50.509 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

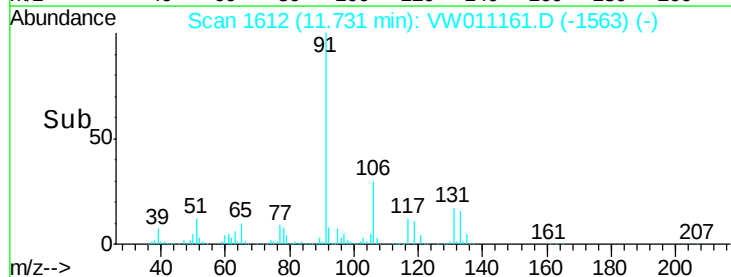
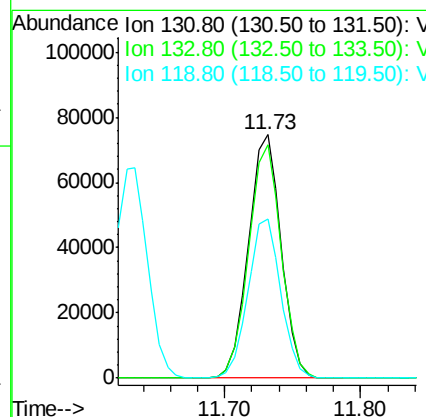
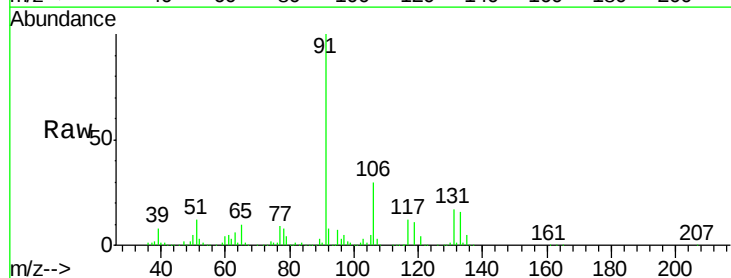
Tgt Ion:131 Resp: 125334

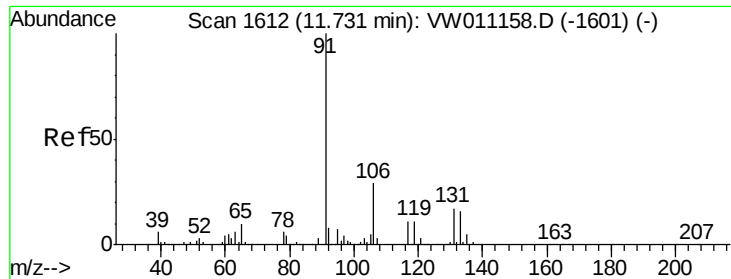
Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.8

119 65.8 33.1 99.2





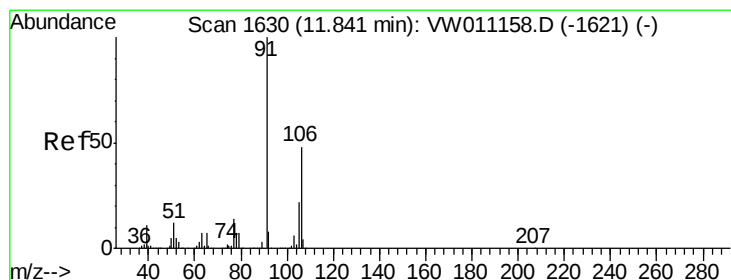
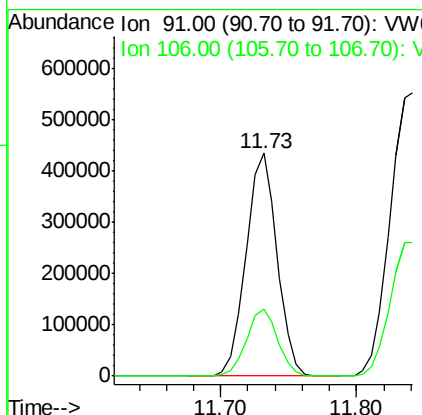
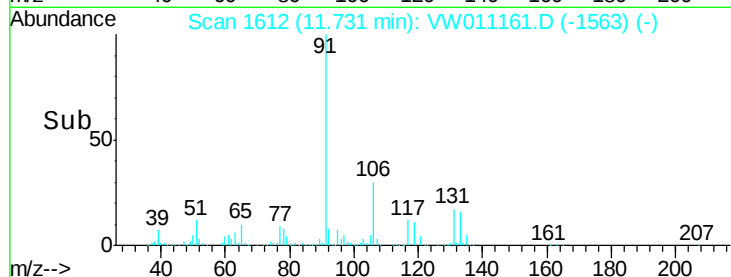
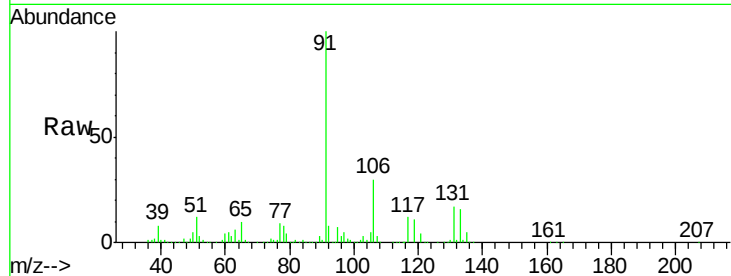
#67
Ethyl Benzene
Concen: 51.570 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion: 91 Resp: 695752
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3

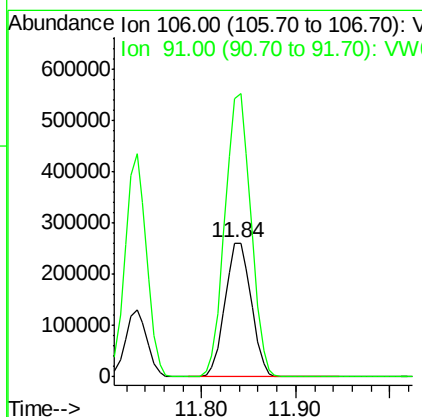
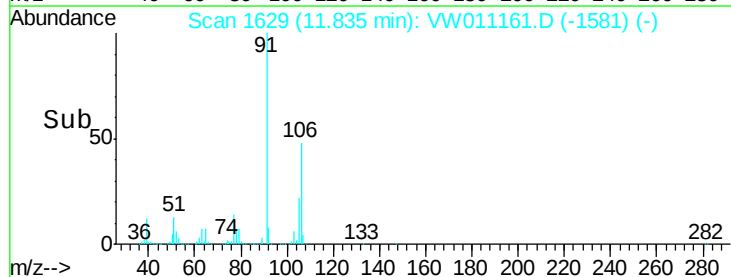
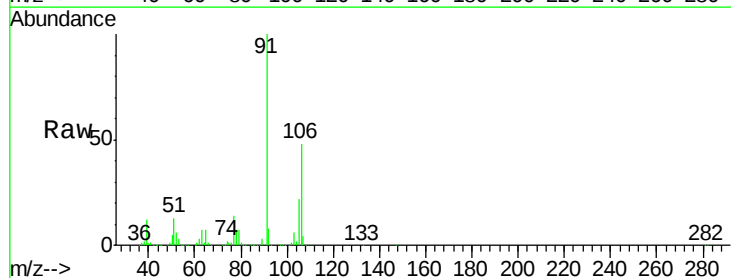
Manual Integrations
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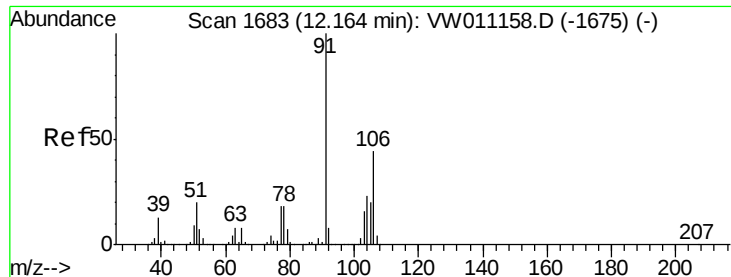
MMDadoda
7/9/2019 4:13:06 PM



#68
m/p-Xylenes
Concen: 103.290 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion: 106 Resp: 504241
Ion Ratio Lower Upper
106 100
91 209.6 167.7 251.5





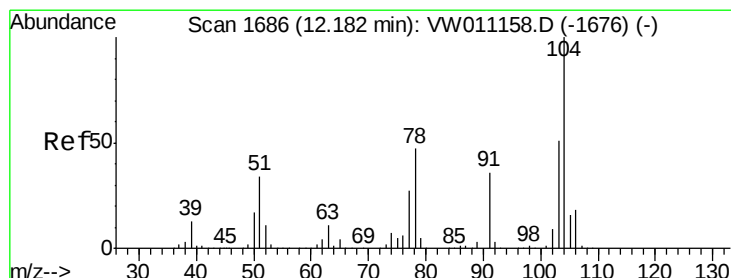
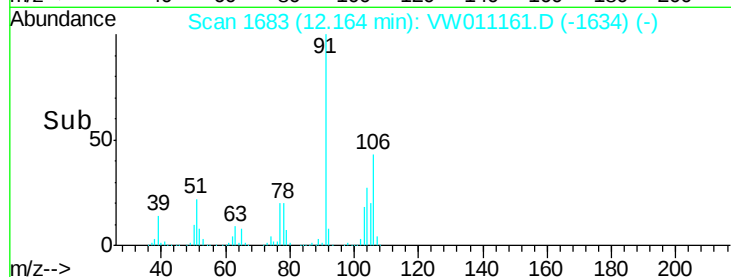
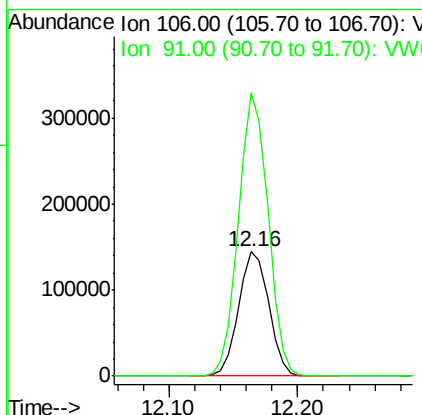
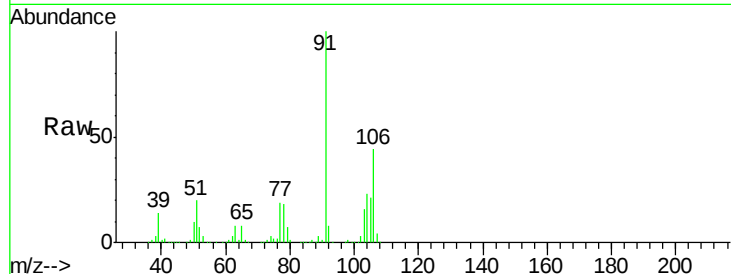
#69
o-Xylene
Concen: 51.093 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		235088		
91	223.4	110.7	332.1		

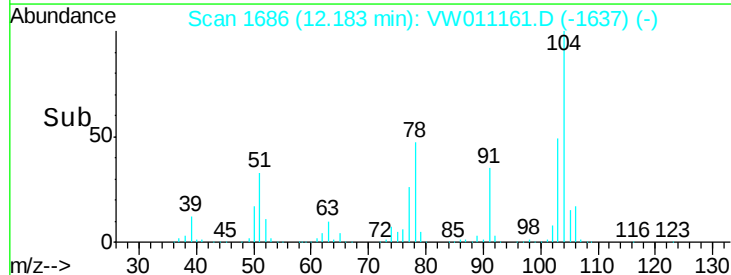
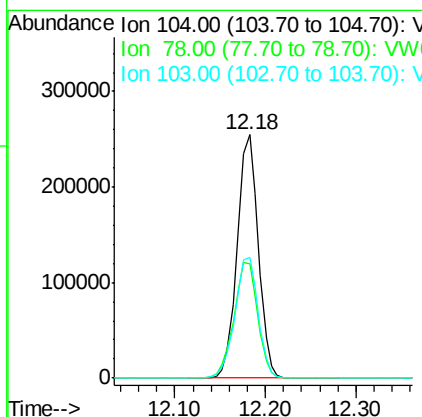
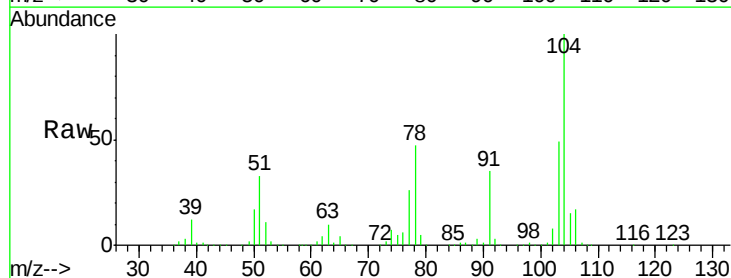
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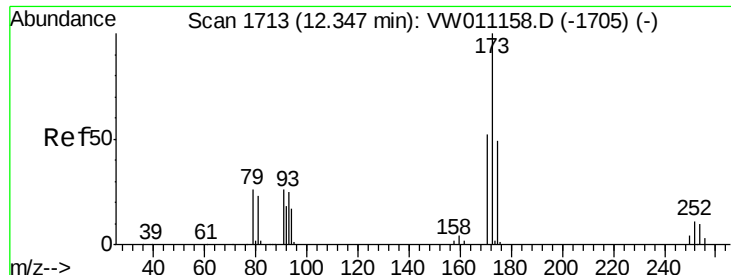
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#70
Styrene
Concen: 51.804 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		411368		
78	53.5	43.1	64.7		
103	54.5	44.1	66.1		





#71

Bromoform

Concen: 49.703 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion:173 Resp: 65575

Ion Ratio Lower Upper

173 100

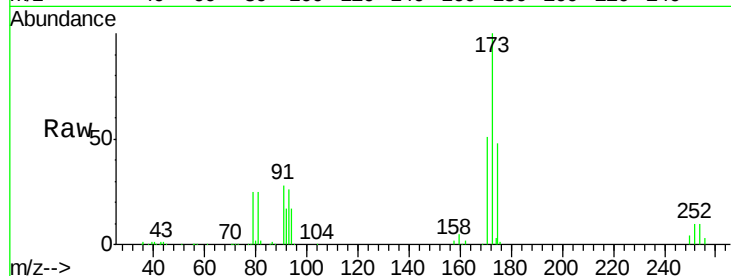
175 48.9 24.8 74.3

254 0.1 0.0 0.0#

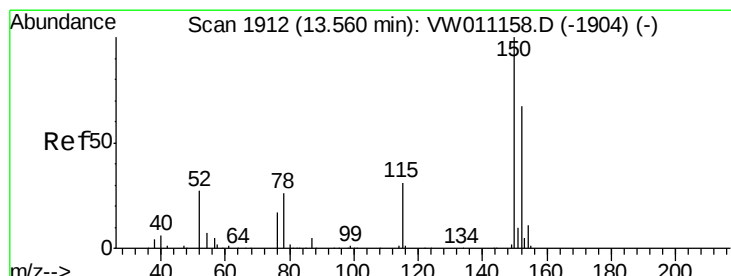
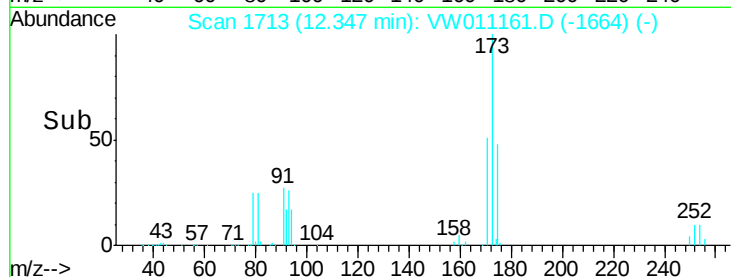
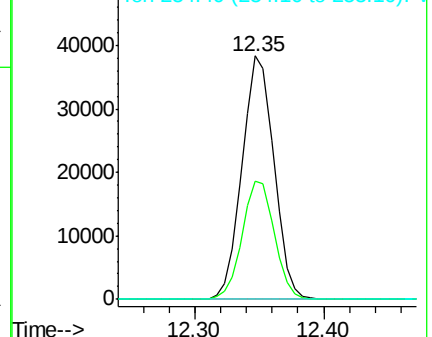
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

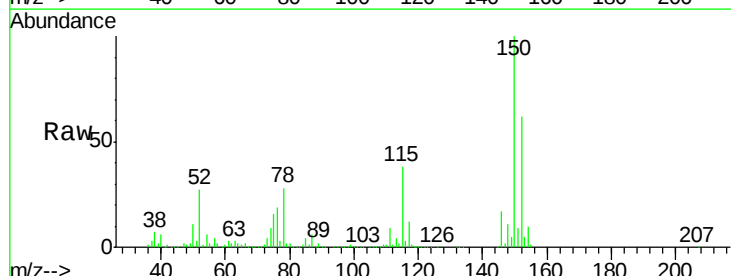
Tgt Ion:152 Resp: 167399

Ion Ratio Lower Upper

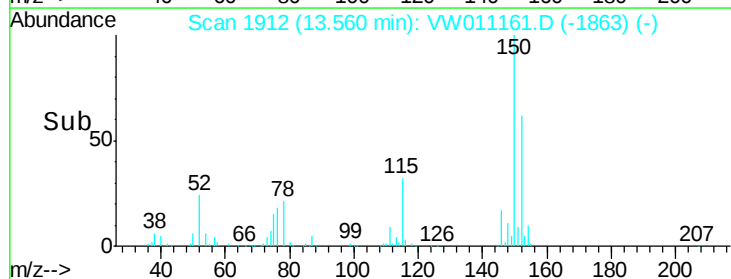
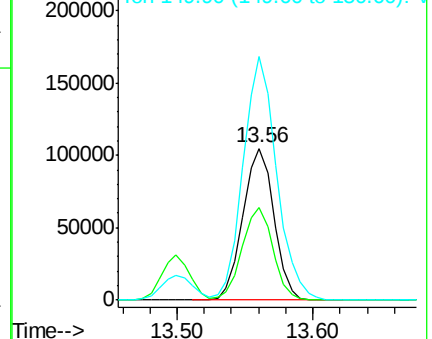
152 100

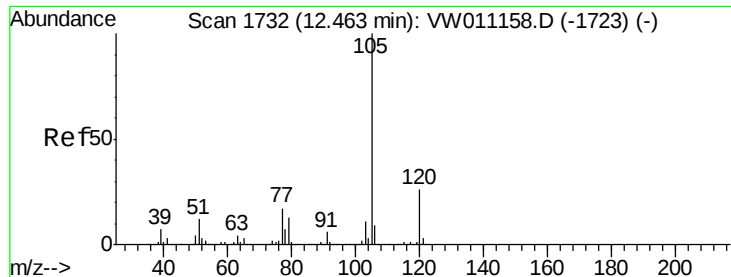
115 60.5 30.1 90.3

150 172.6 0.0 346.0



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





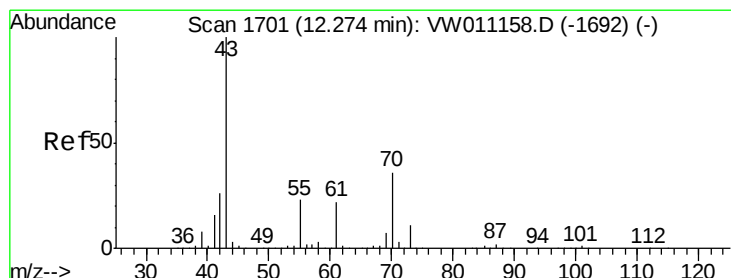
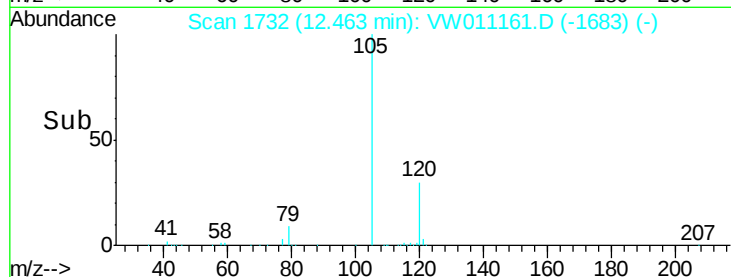
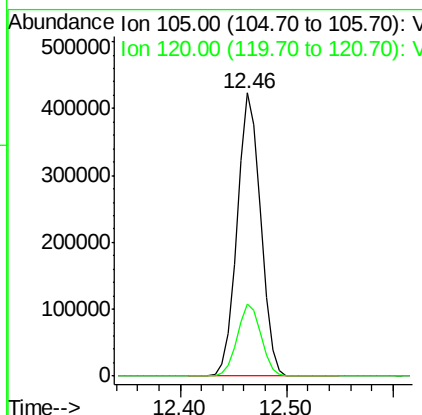
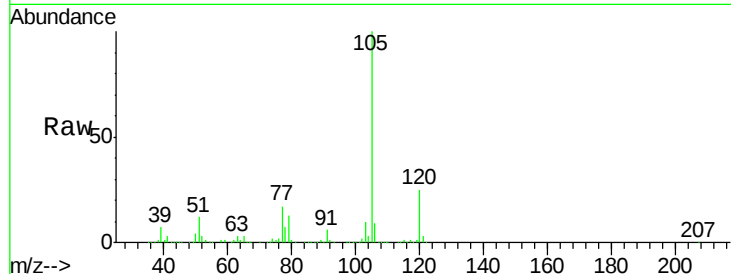
#73
Isopropylbenzene
Concen: 52.465 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3

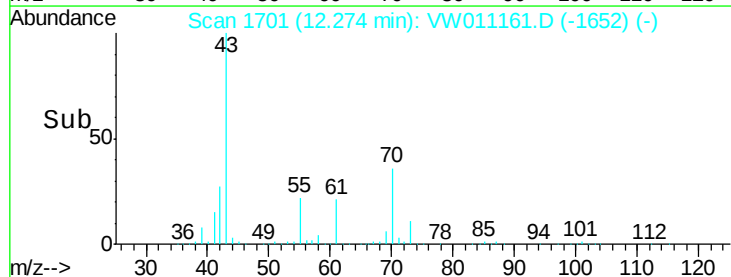
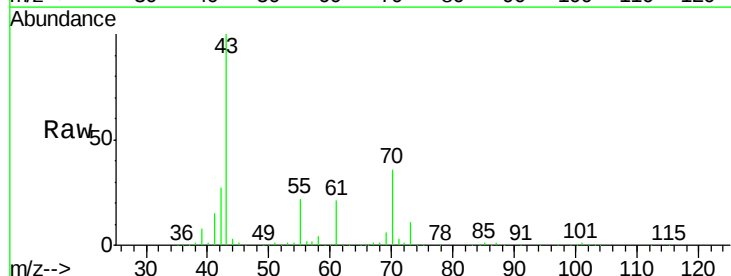
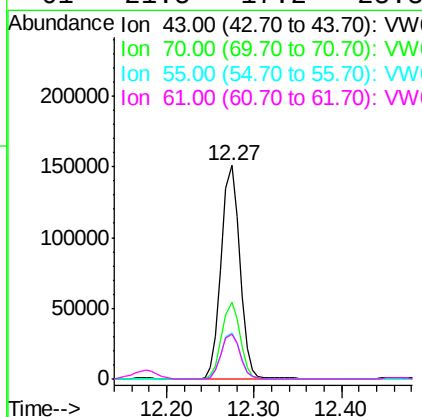
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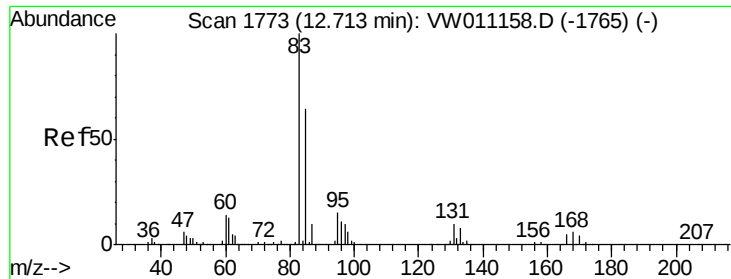
MMDadoda
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#74
N-ethyl acetate
Concen: 51.114 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	28.5	42.7
55	22.3	18.1	27.1
61	21.5	17.2	25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.433 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

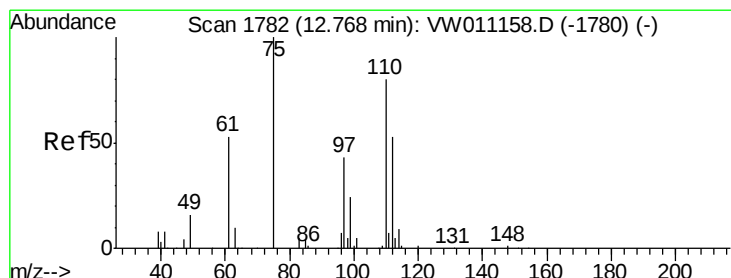
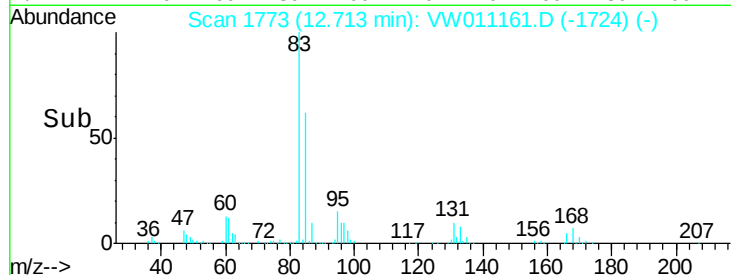
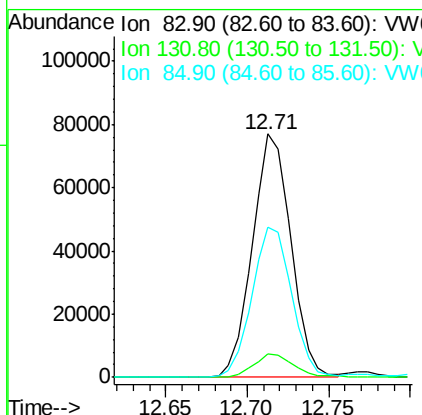
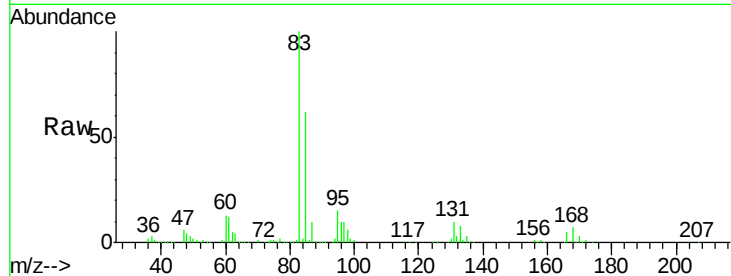
ClientSampleId :

ICVW070819

Tot Ion:	83	Resp:	126803
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.4	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.402 ug/l m

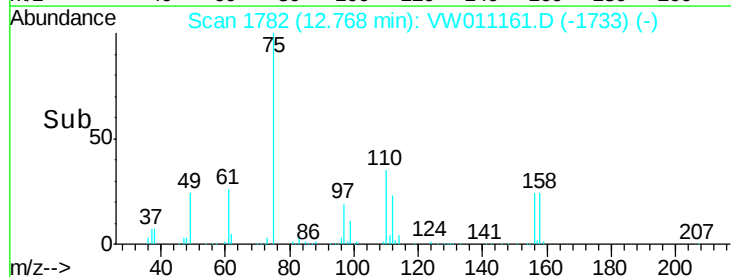
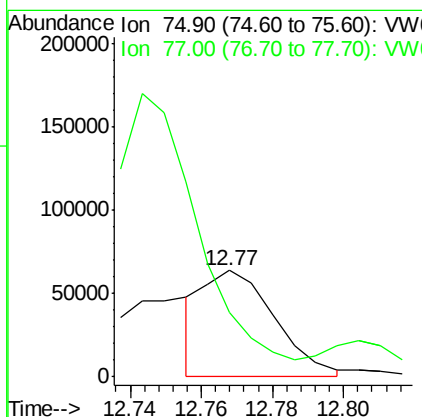
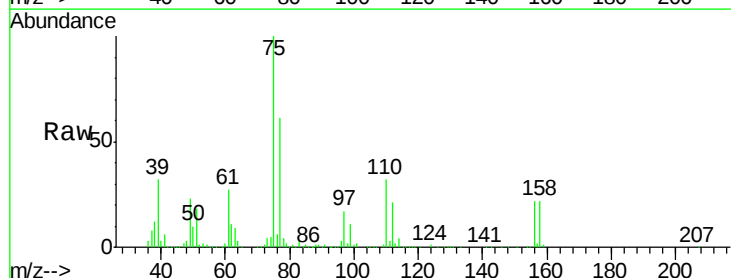
RT: 12.77 min Scan# 1782

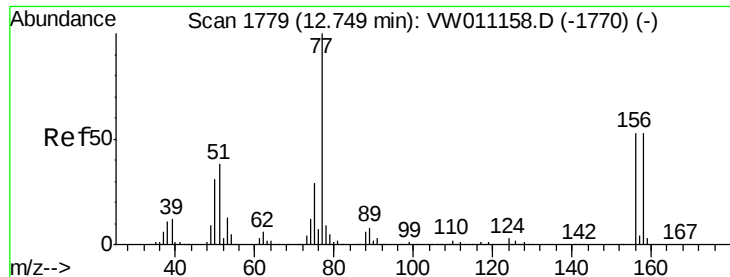
Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion:	75	Resp:	89765
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





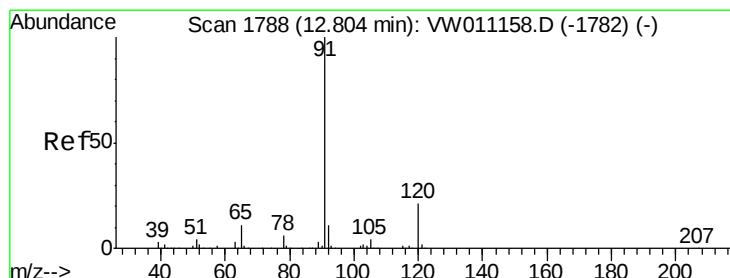
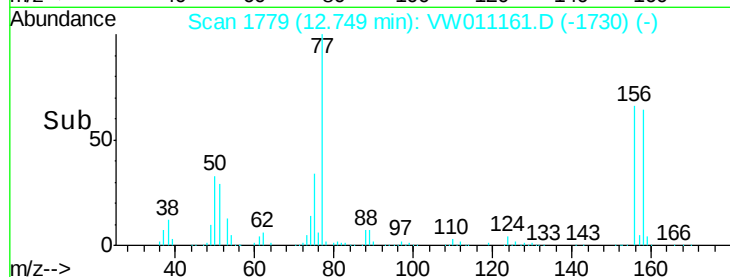
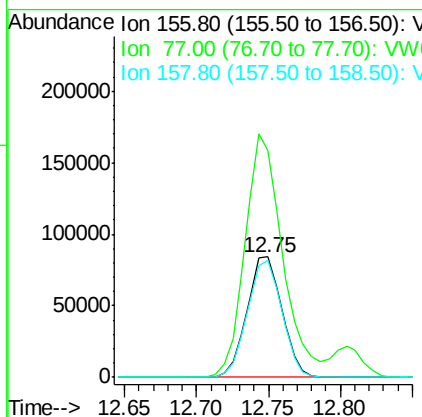
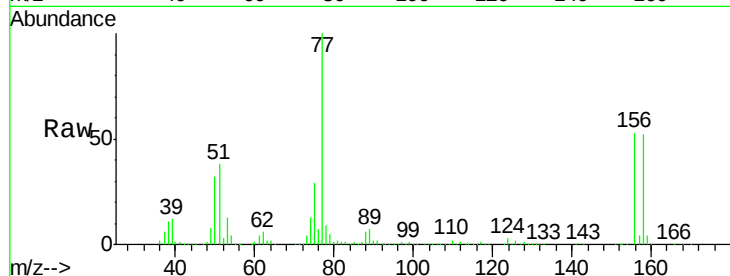
#77
Bromobenzene
Concen: 50.278 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.4	109.0	327.0
158	96.4	48.8	146.3

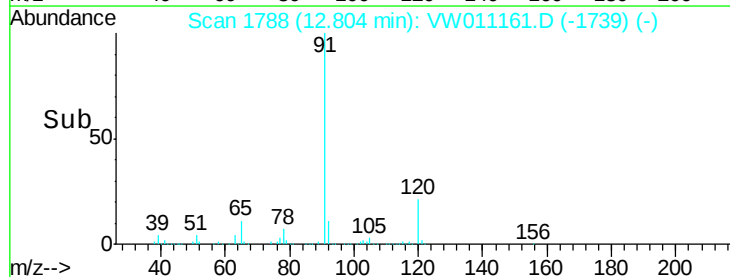
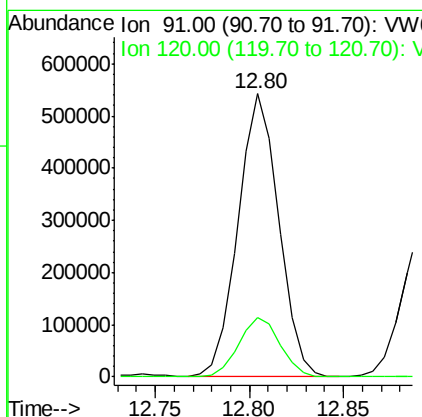
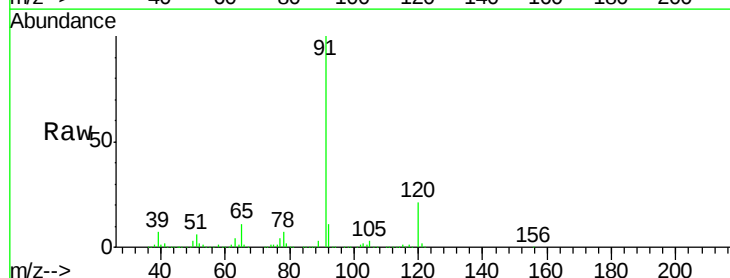
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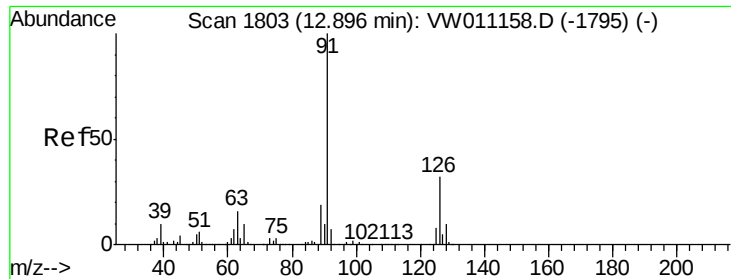
MMDadoda
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#78
n-propylbenzene
Concen: 52.675 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 51.251 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion: 91 Resp: 454628

Ion Ratio Lower Upper

91 100

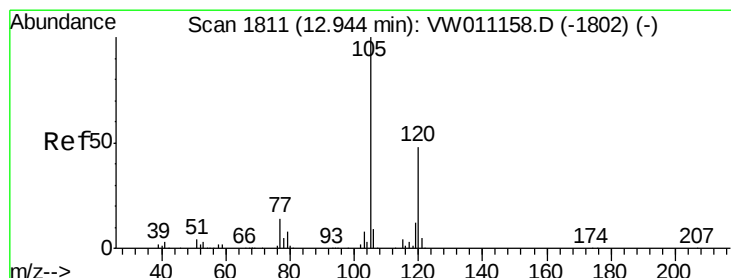
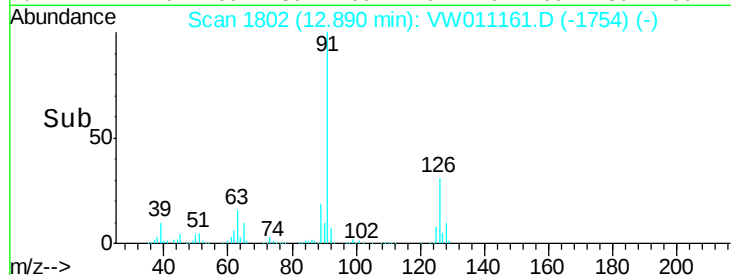
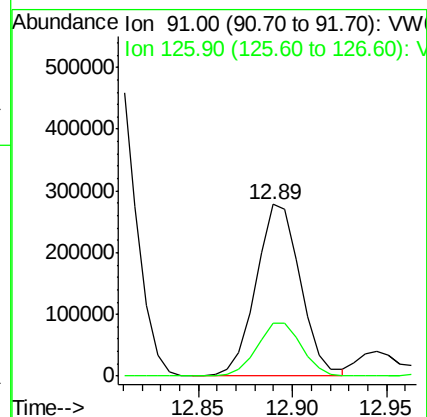
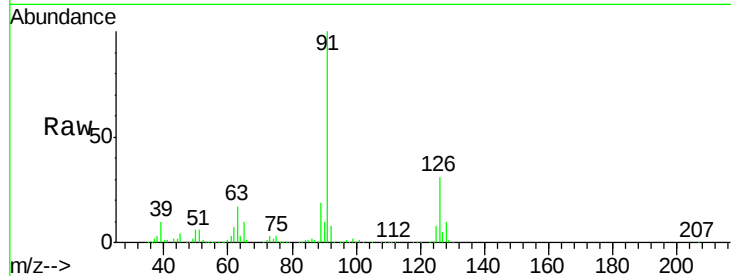
126 31.1 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 51.960 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011161.D

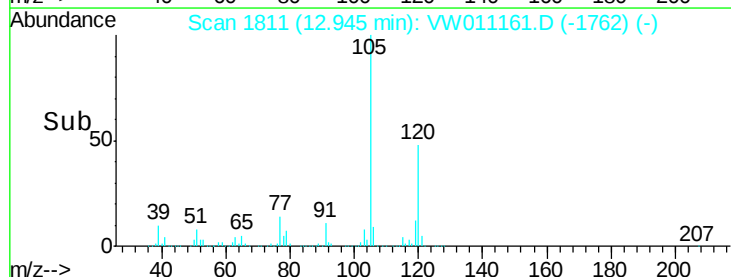
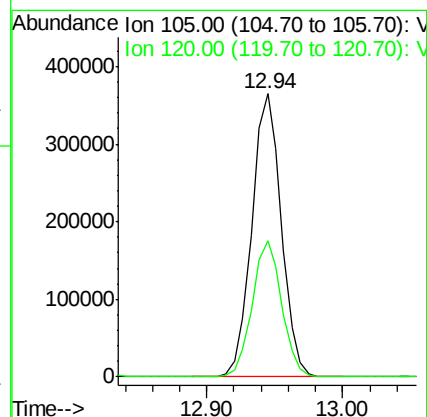
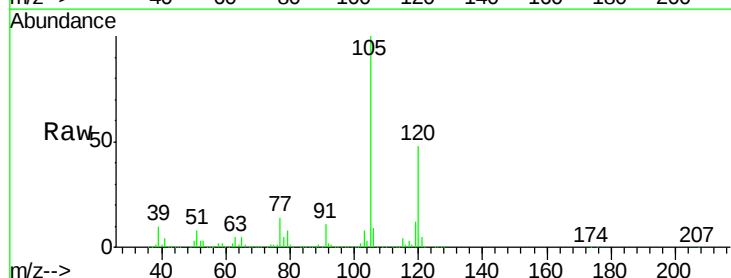
Acq: 08 Jul 2019 13:30

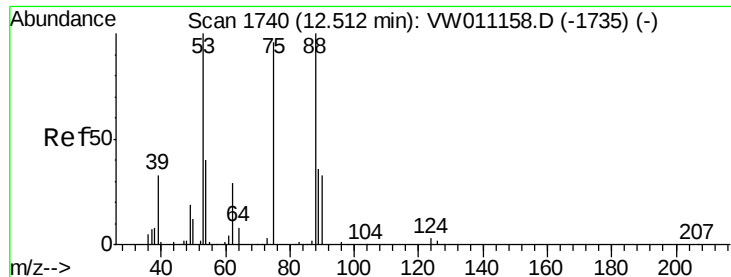
Tgt Ion:105 Resp: 552386

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





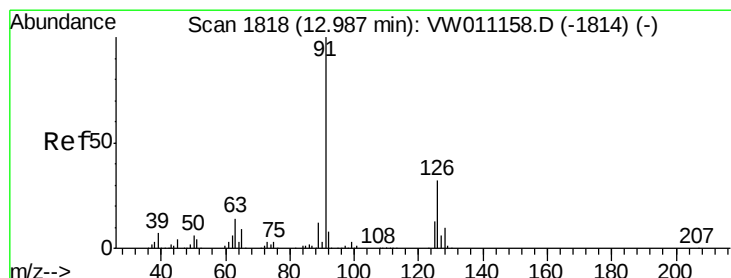
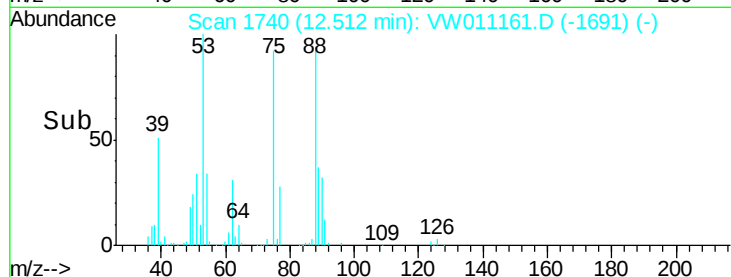
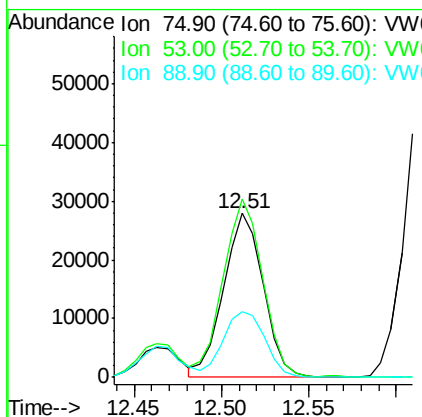
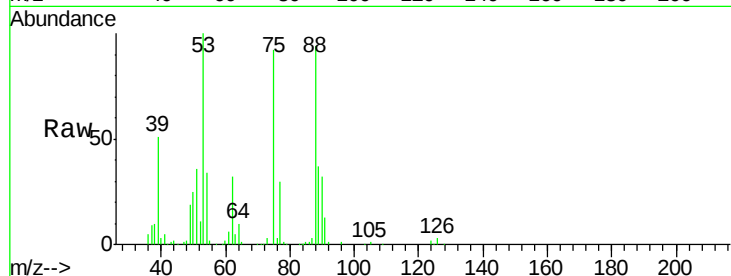
#81
trans-1,4-Dichloro-2-butene
Concen: 51.009 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.2	89.8	134.6
89	42.8	34.3	51.5

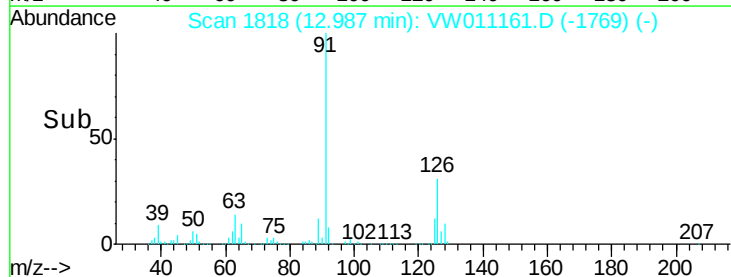
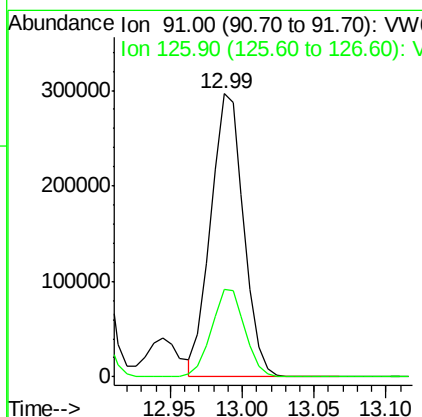
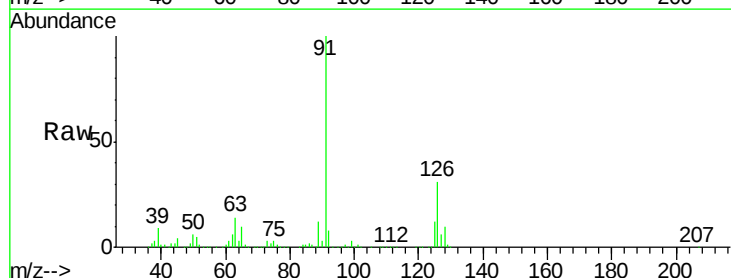
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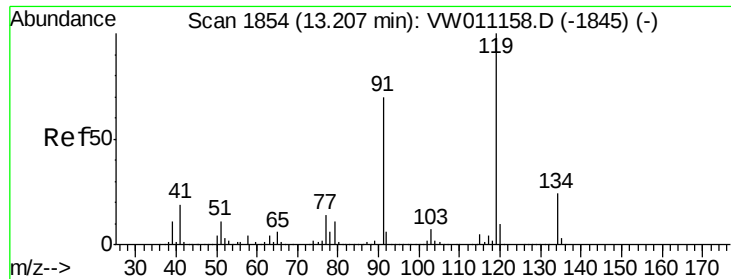
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#82
4-Chlorotoluene
Concen: 50.974 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1





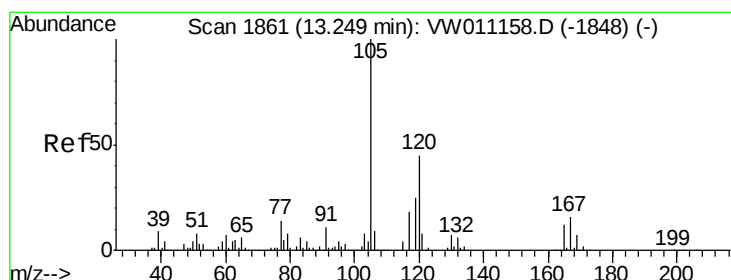
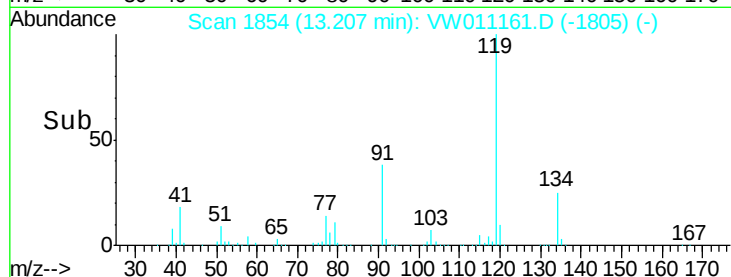
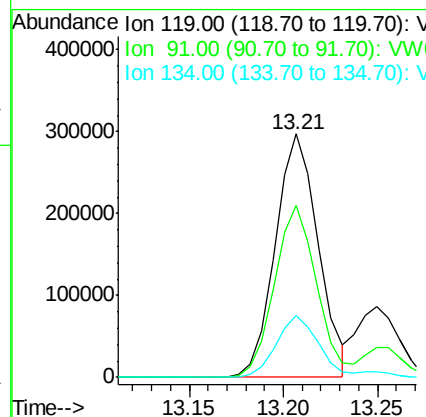
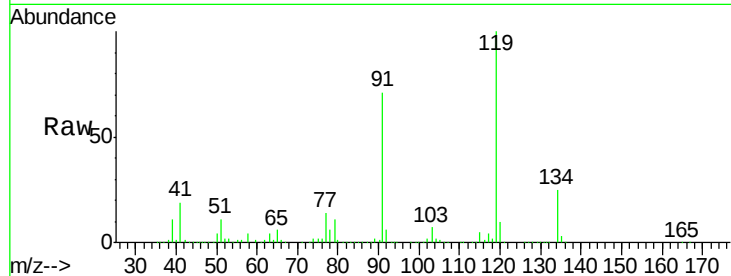
#83
tert-Butylbenzene
Concen: 52.872 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	35.4	106.3
134	26.6	13.4	40.2

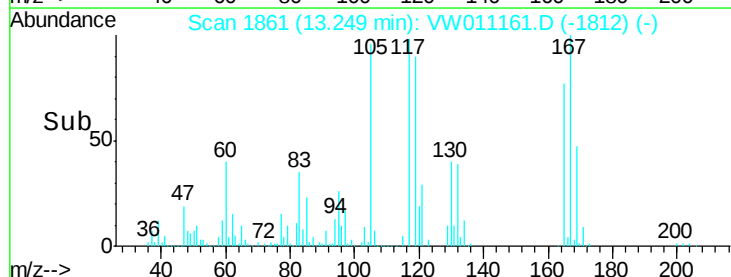
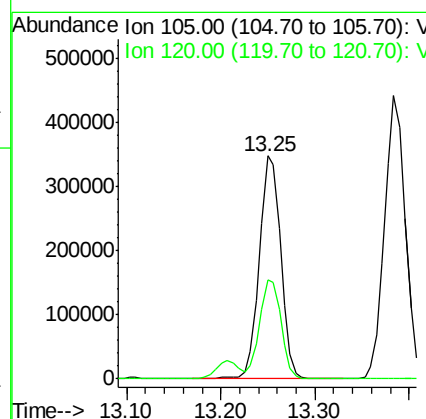
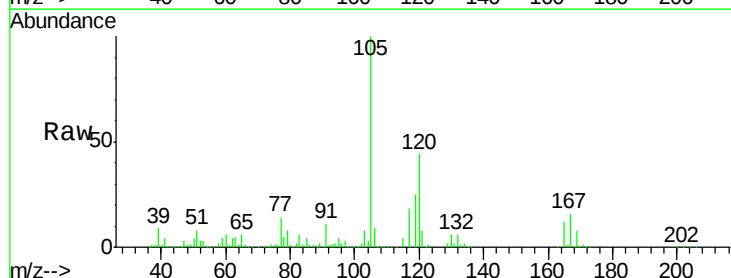
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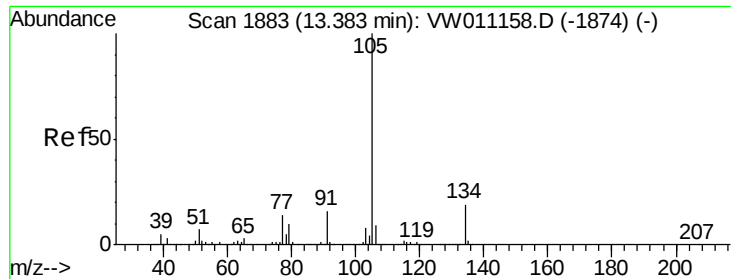
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#84
1,2,4-Trimethylbenzene
Concen: 51.795 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.744 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

ClientSampleId :

ICVW070819

Tot Ion:105 Resp: 674780

Ion Ratio Lower Upper

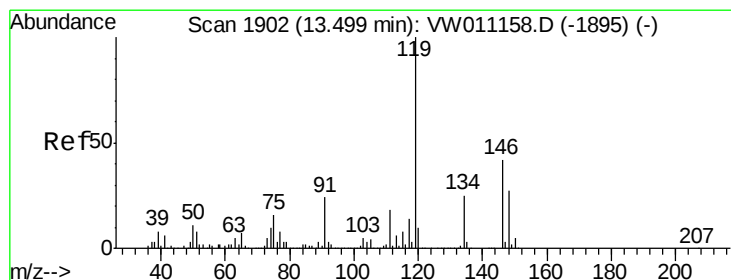
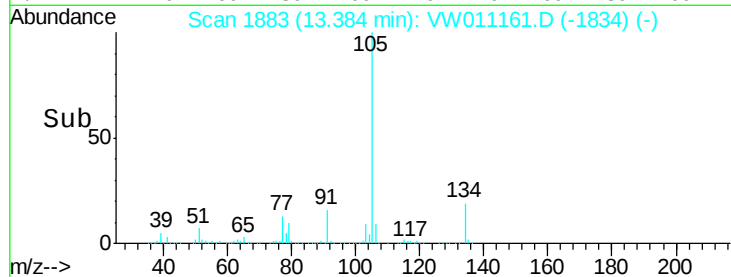
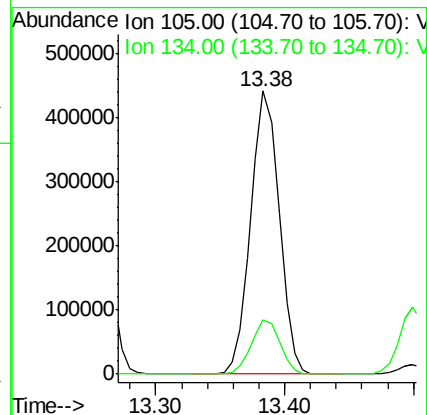
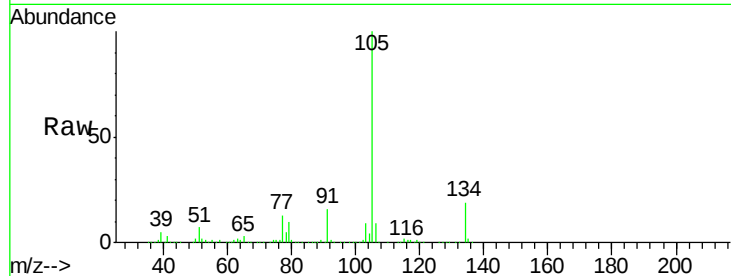
105 100

134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 52.834 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

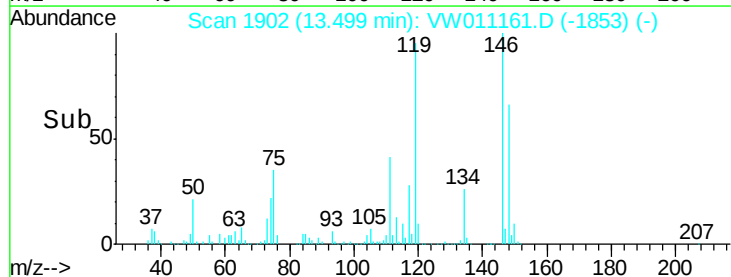
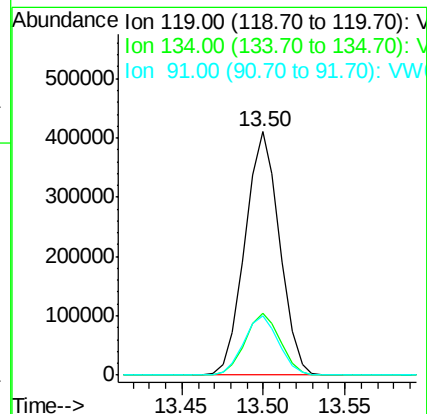
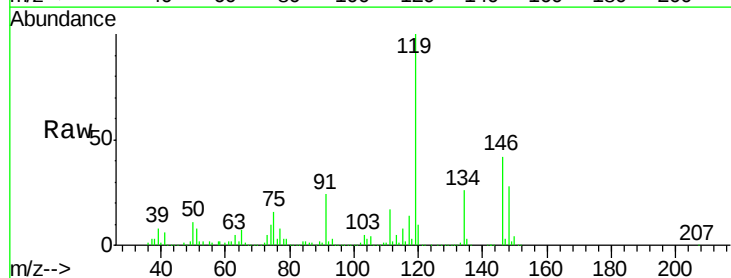
Tgt Ion:119 Resp: 606255

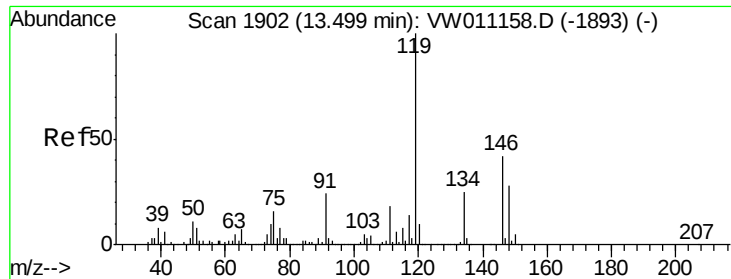
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 51.231 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

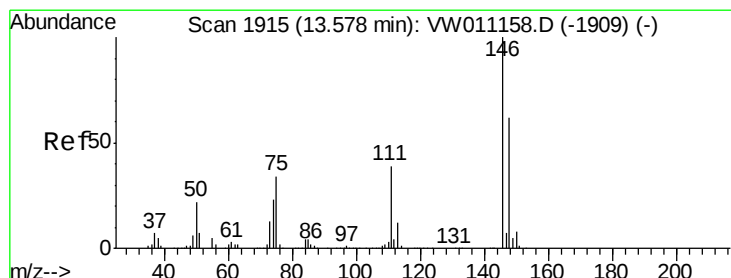
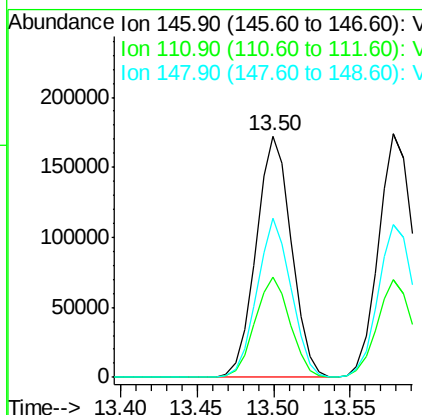
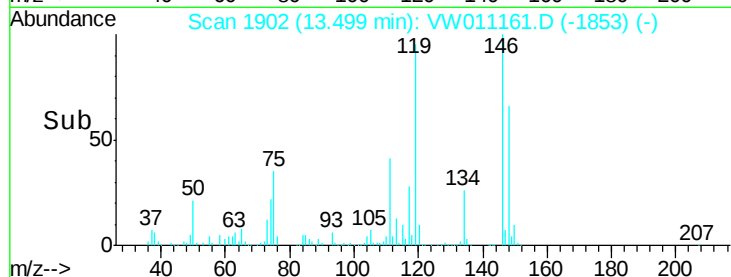
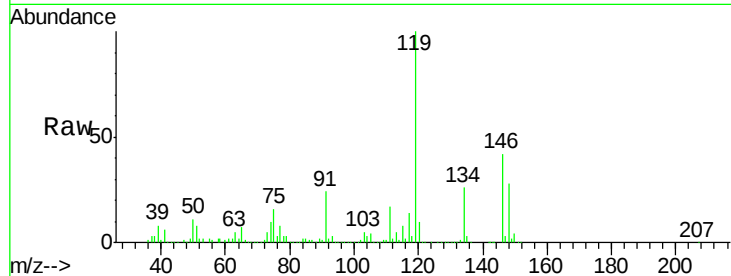
ClientSampleId :

ICVW070819

Tot Ion	Ratio	Resp	Lower	Upper
146	100	276809		
111	41.3		21.1	63.1
148	64.0		32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 50.273 ug/l

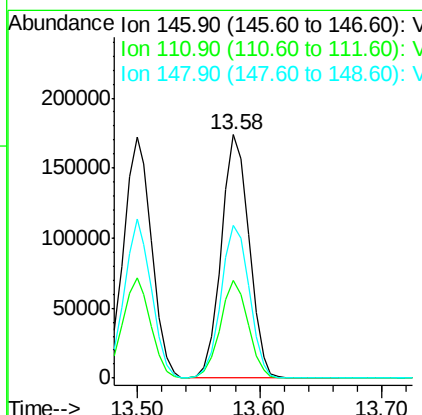
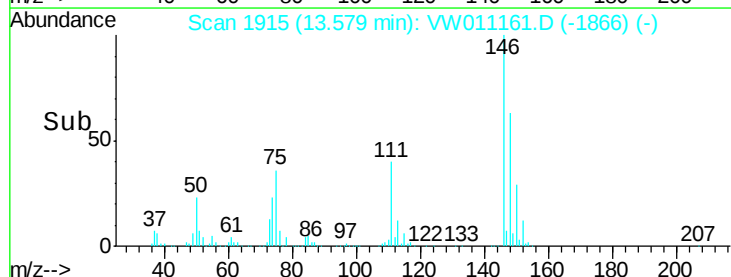
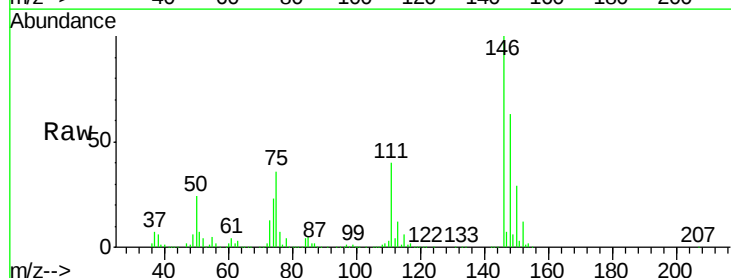
RT: 13.58 min Scan# 1915

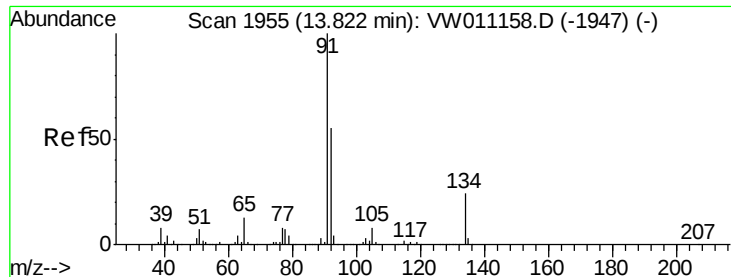
Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	273529		
111	40.3		19.9	59.7
148	63.9		31.5	94.5





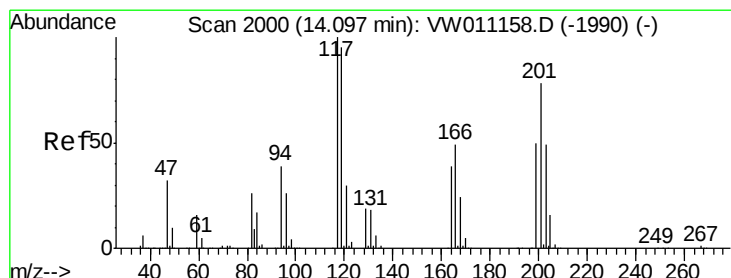
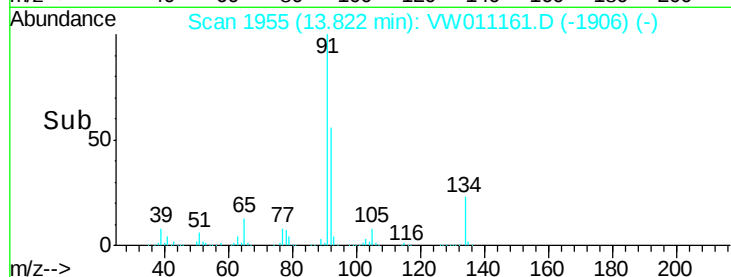
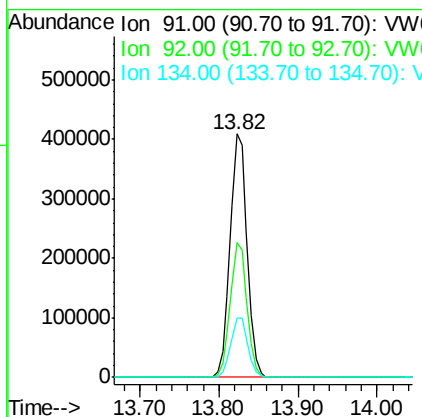
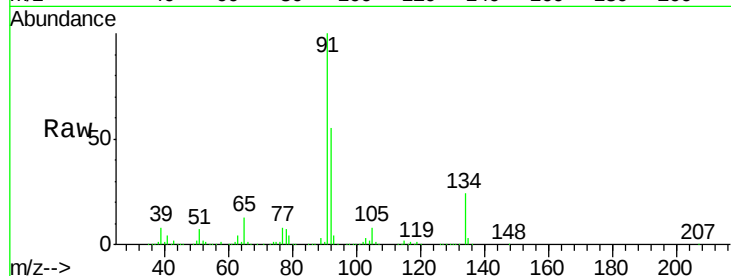
#89
n-Butylbenzene
Concen: 53.499 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Instrument :
MSVOA_W
ClientSampleId :
ICVW070819

Tot Ion	Ratio	Resp	Lower	Upper
91	100	612402		
92	54.6	26.9	80.7	
134	24.6	12.2	36.4	

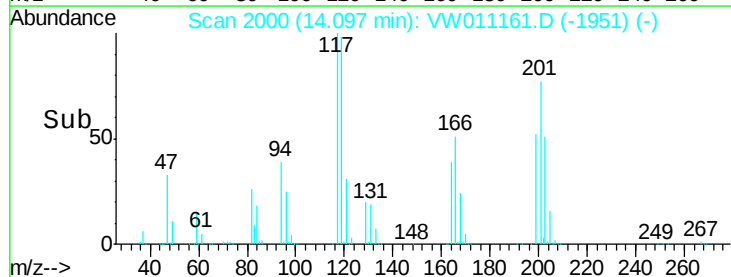
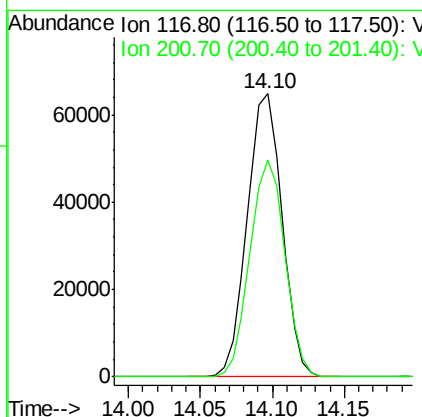
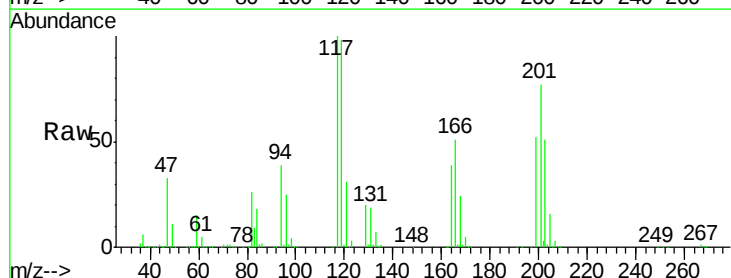
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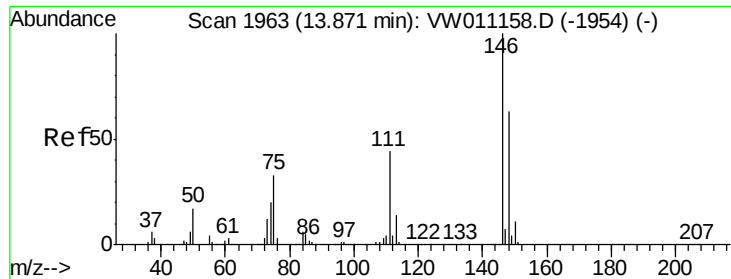
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#90
Hexachloroethane
Concen: 51.832 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011161.D
Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	108684		
201	76.6	38.3	114.8	





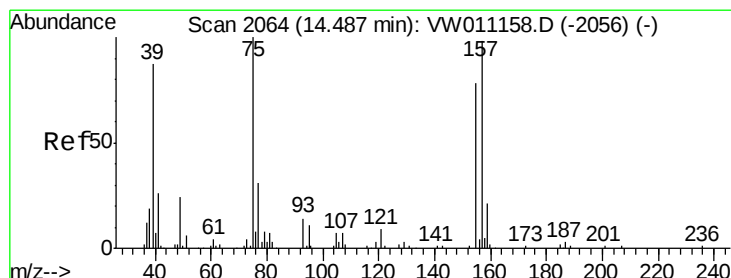
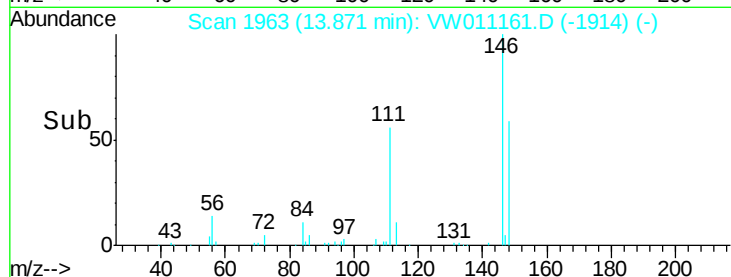
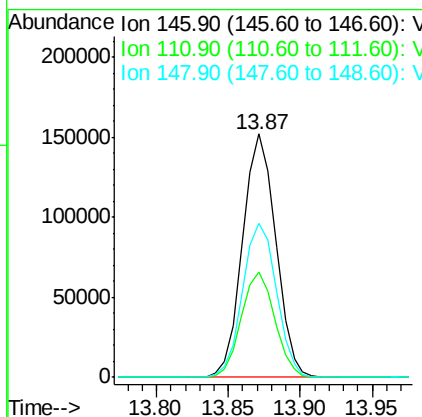
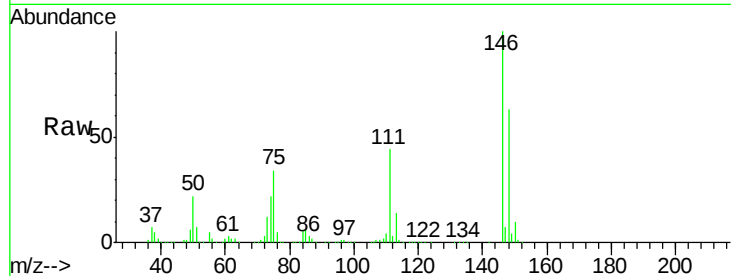
#91
 1,2-Dichlorobenzene
 Concen: 49.448 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW070819

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	65.0
148	64.7	31.9	95.5

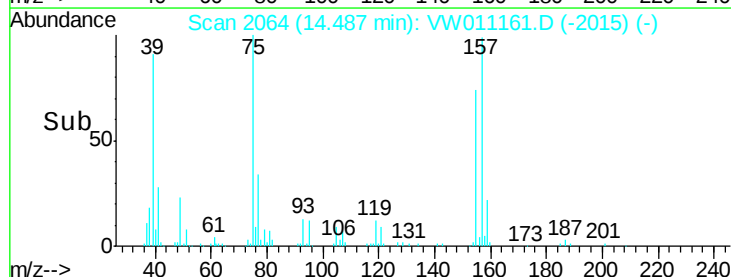
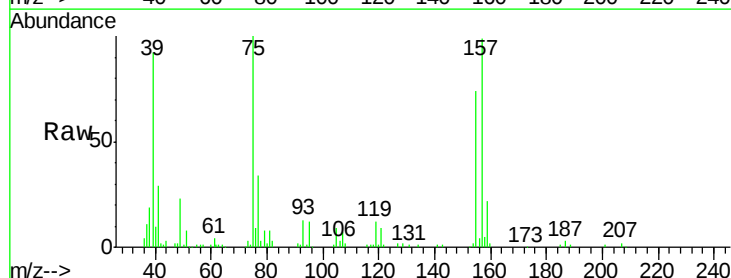
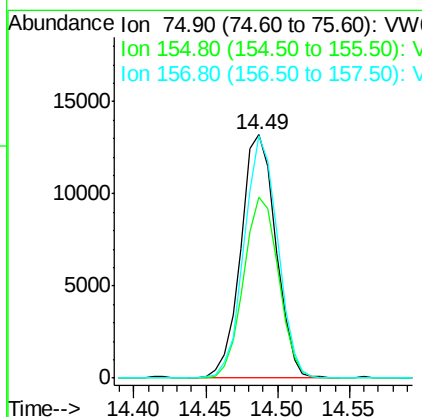
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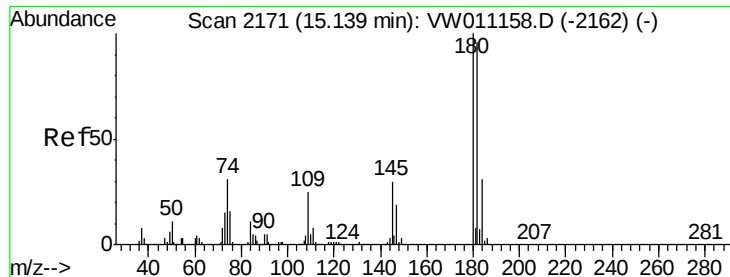
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.895 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011161.D
 Acq: 08 Jul 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	37.1	111.3
157	95.0	48.5	145.6





#93

1,2,4-Trichlorobenzene

Concen: 52.209 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

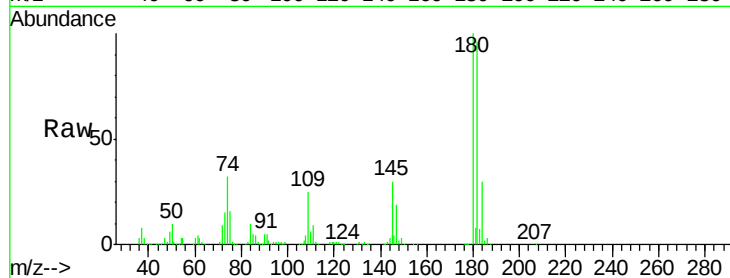
ClientSampleId :

ICVW070819

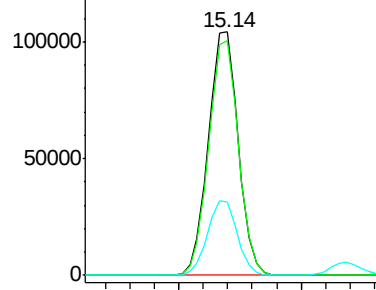
Tot Ion:	180	Resp:	176272
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.3	144.9
145	30.7	15.5	46.5

Manual Integrations
APPROVED

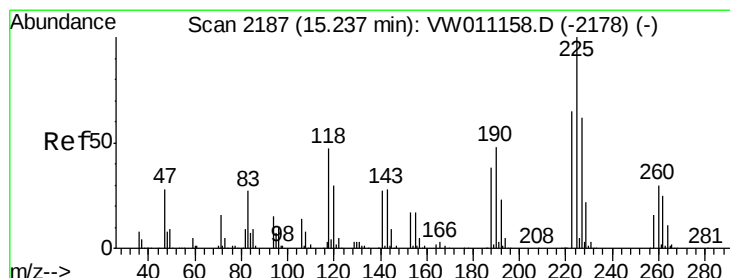
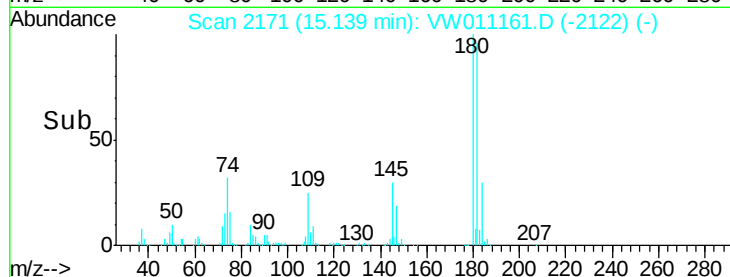
MMDadoda
7/9/2019 4:13:06 PM



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



Time-->



#94

Hexachlorobutadiene

Concen: 51.773 ug/l

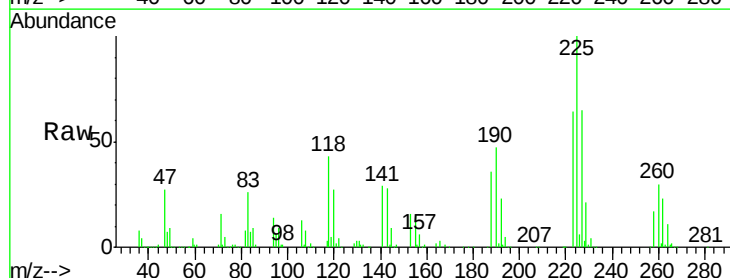
RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

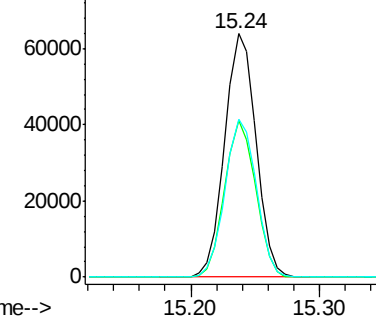
Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

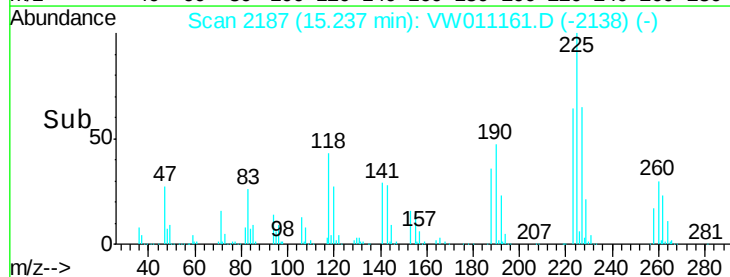
Tgt Ion:	225	Resp:	107315
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.6	95.0
227	64.7	32.0	96.0

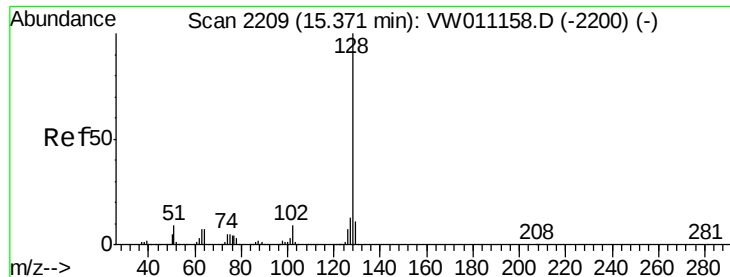


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 53.217 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Instrument :

MSVOA_W

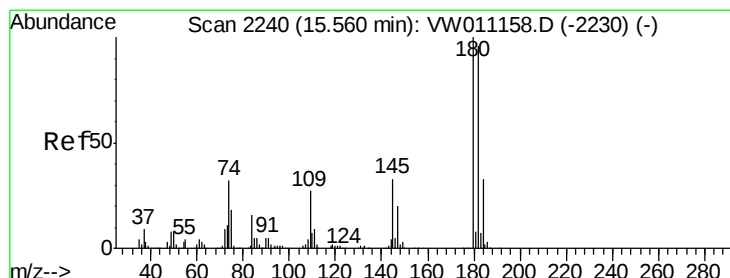
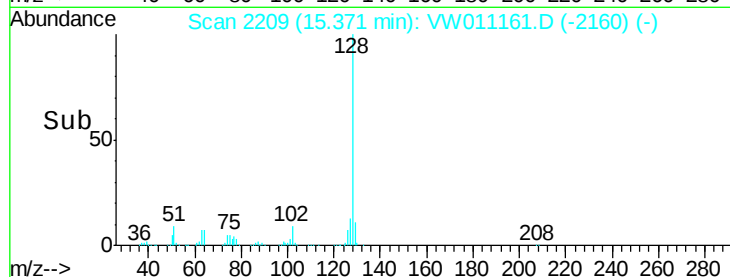
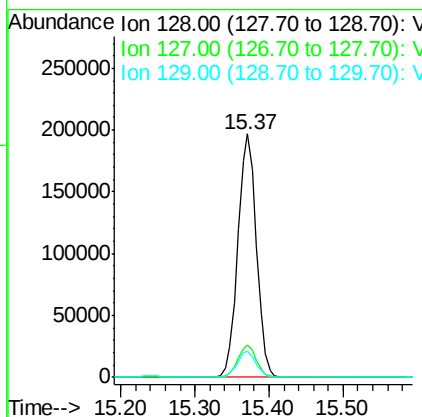
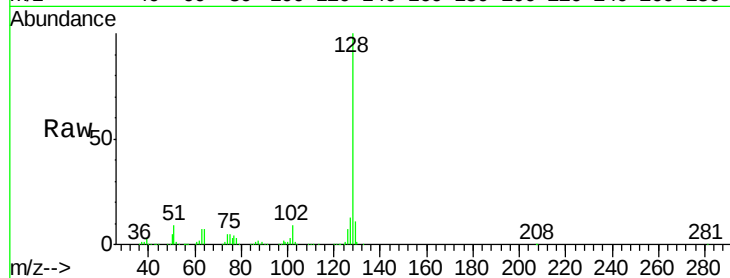
ClientSampleId :

ICVW070819

Tot Ion:	128	Resp:	344303
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:13:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.992 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011161.D

Acq: 08 Jul 2019 13:30

Tgt Ion:	180	Resp:	154923
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.6	142.8
145	32.5	16.5	49.5

