

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009239.D
 Acq On : 19 Mar 2019 13:53
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW031918

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:05 AM

Quant Time: Mar 20 07:38:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	316698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	426685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	160515	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.88	113	147384	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.32	98	565187	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.62	95	205268	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	103239	56.040	ug/l	98
3) Chloromethane	2.21	50	131913	57.460	ug/l	94
4) Vinyl Chloride	2.37	62	189446	56.224	ug/l	100
5) Bromomethane	2.78	94	137179	49.923	ug/l	99
6) Chloroethane	2.93	64	142186	54.390	ug/l	98
7) Trichlorofluoromethane	3.26	101	130955	59.328	ug/l	98
8) Diethyl Ether	3.67	74	78453	49.284	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	167346	52.338	ug/l	99
10) Methyl Iodide	4.27	142	232538	50.450	ug/l	97
11) Tert butyl alcohol	5.17	59	45916	234.783	ug/l	97
12) 1,1-Dichloroethene	4.03	96	156351	51.730	ug/l	99
13) Acrolein	3.89	56	34515	216.219	ug/l	94
14) Allyl chloride	4.66	41	251122	56.358	ug/l	97
15) Acrylonitrile	5.36	53	160901	240.509	ug/l	98
16) Acetone	4.12	43	194223	281.023	ug/l	95
17) Carbon Disulfide	4.37	76	438822	52.080	ug/l	98
18) Methyl Acetate	4.67	43	81923	46.186	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	190406	51.329	ug/l	97
20) Methylene Chloride	4.91	84	152429	52.909	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	162522	52.264	ug/l	97
22) Diisopropyl ether	6.31	45	504111	52.479	ug/l	97
23) Vinyl Acetate	6.25	43	1533097	254.365	ug/l	100
24) 1,1-Dichloroethane	6.21	63	306067	51.627	ug/l	98
25) 2-Butanone	7.17	43	238922	241.260	ug/l	96
26) 2,2-Dichloropropane	7.16	77	184464	55.688	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	176393	52.360	ug/l	98
28) Bromochloromethane	7.51	49	120275	46.254	ug/l	97
29) Tetrahydrofuran	7.52	42	147528	234.371	ug/l	99
30) Chloroform	7.67	83	312897	50.726	ug/l	98
31) Cyclohexane	7.95	56	285109	51.585	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	262166	53.246	ug/l	99
36) 1,1-Dichloropropene	8.08	75	252228	52.978	ug/l	99
37) Ethyl Acetate	7.25	43	102837	47.336	ug/l	99
38) Carbon Tetrachloride	8.06	117	265017	52.599	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	306565	55.656	ug/l	97
40) Benzene	8.32	78	672618	52.098	ug/l	100
41) Methacrylonitrile	7.48	41	63837	54.520	ug/l	90
42) 1,2-Dichloroethane	8.40	62	207577	49.185	ug/l	99
43) Isopropyl Acetate	8.42	43	203547	46.790	ug/l	98
44) Trichloroethene	9.09	130	180430	51.015	ug/l	98
45) 1,2-Dichloropropane	9.37	63	165181	50.329	ug/l	97
46) Dibromomethane	9.45	93	85924	47.609	ug/l	98
47) Bromodichloromethane	9.64	83	230212	50.478	ug/l	97
48) Methyl methacrylate	9.43	41	97378	48.349	ug/l	95
49) 1,4-Dioxane	9.44	88	27308	975.520	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	521701	230.112	ug/l	99
52) Toluene	10.38	92	432359	52.852	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	227834	51.229	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	258746	51.714	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	115661	47.328	ug/l	98
56) Ethyl methacrylate	10.65	69	143598	49.347	ug/l	96
57) 1,3-Dichloropropane	10.93	76	205698	48.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75189	88.307	ug/l	99
59) 2-Hexanone	10.97	43	377072	244.984	ug/l	100
60) Dibromochloromethane	11.13	129	146837	48.633	ug/l	99
61) 1,2-Dibromoethane	11.23	107	111722	47.999	ug/l	100
64) Tetrachloroethene	10.86	164	154206	52.772	ug/l	96
65) Chlorobenzene	11.66	112	460487	52.184	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	171443	52.014	ug/l	100
67) Ethyl Benzene	11.73	91	859341	56.224	ug/l	100
68) m/p-Xylenes	11.84	106	658165	111.097	ug/l	100
69) o-Xylene	12.16	106	306287	55.675	ug/l	100
70) Styrene	12.18	104	504871	55.661	ug/l	99
71) Bromoform	12.35	173	88913	49.386	ug/l #	98
73) Isopropylbenzene	12.46	105	891488	57.755	ug/l	99
74) N-amyl acetate	12.27	43	201452	50.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	137639	47.669	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	97132m	44.757	ug/l	
77) Bromobenzene	12.75	156	192516	52.654	ug/l	99
78) n-propylbenzene	12.80	91	1096027	57.814	ug/l	99
79) 2-Chlorotoluene	12.89	91	602315	55.928	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	754803	57.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44986	50.863	ug/l	96
82) 4-Chlorotoluene	12.99	91	634108	55.891	ug/l	100
83) tert-Butylbenzene	13.21	119	655734	58.455	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	770943	57.287	ug/l	99
85) sec-Butylbenzene	13.38	105	963676	58.135	ug/l	99
86) p-Isopropyltoluene	13.50	119	859525	58.229	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	402404	53.185	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	396181	52.589	ug/l	100
89) n-Butylbenzene	13.82	91	842403	59.452	ug/l	99
90) Hexachloroethane	14.10	117	162005	55.665	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	355539	52.404	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	24725	47.823	ug/l	98

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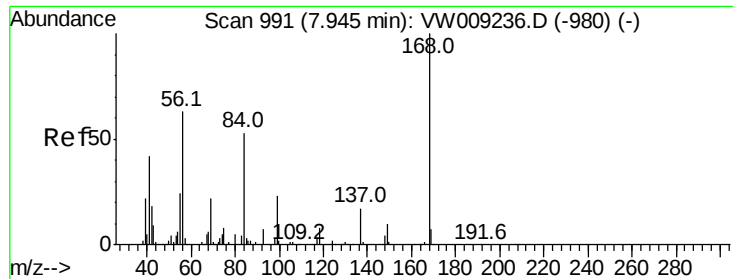
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	251573	55.212	ug/l	99
94) Hexachlorobutadiene	15.24	225	156124	53.873	ug/l	98
95) Naphthalene	15.37	128	425975	53.958	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	216289	53.178	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion:168 Resp: 316698

Ion Ratio Lower Upper

168 100

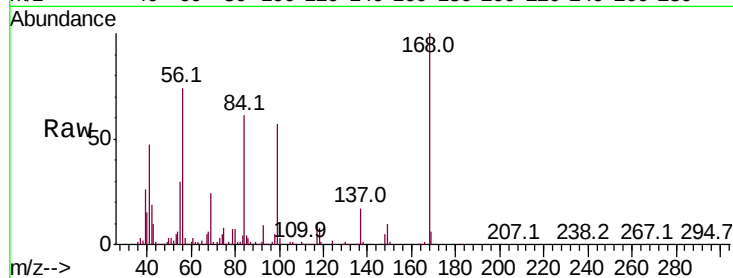
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Manual Integrations

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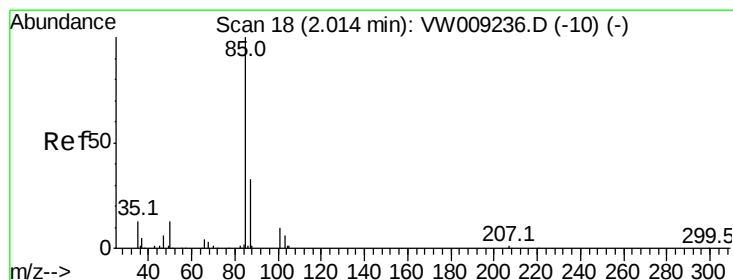
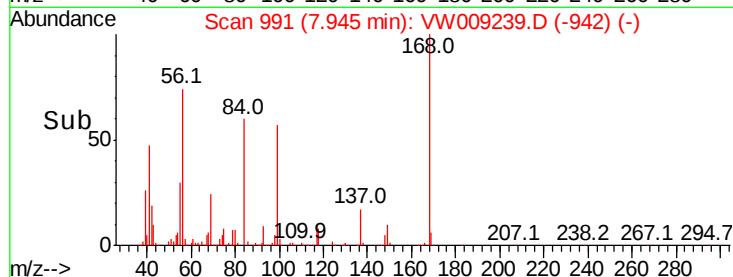
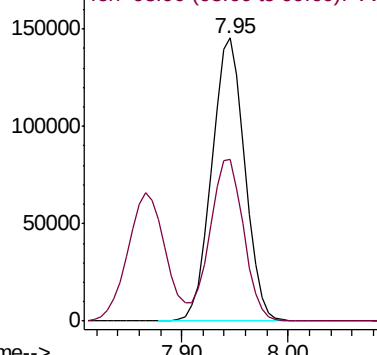
MMDadoda

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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: 56.040 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009239.D

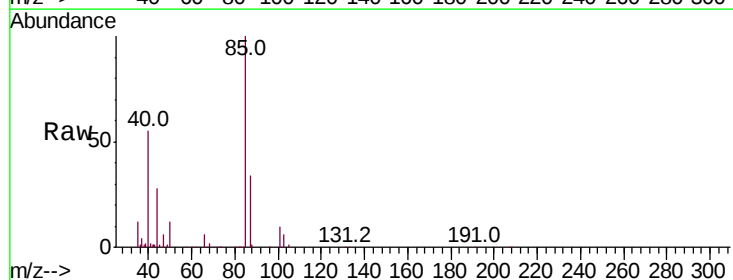
Acq: 19 Mar 2019 13:53

Tgt Ion: 85 Resp: 103239

Ion Ratio Lower Upper

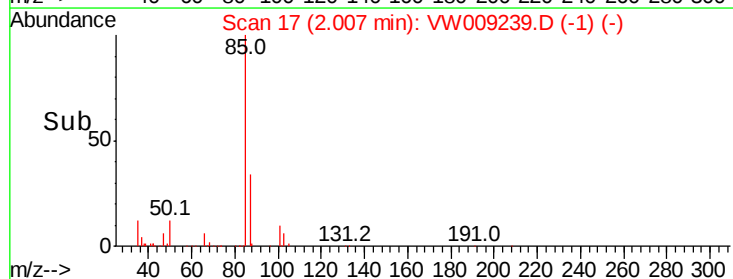
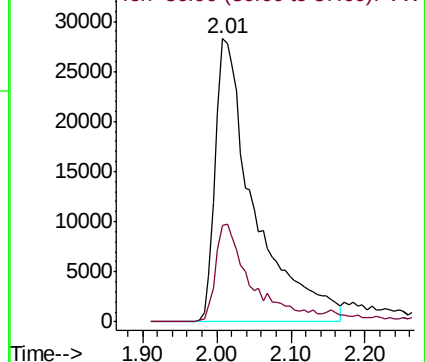
85 100

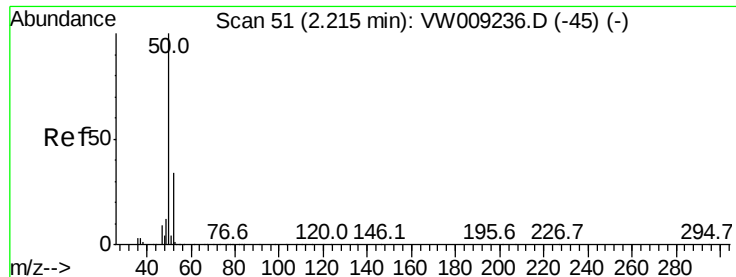
87 34.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 57.460 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 50 Resp: 131913

Ion Ratio Lower Upper

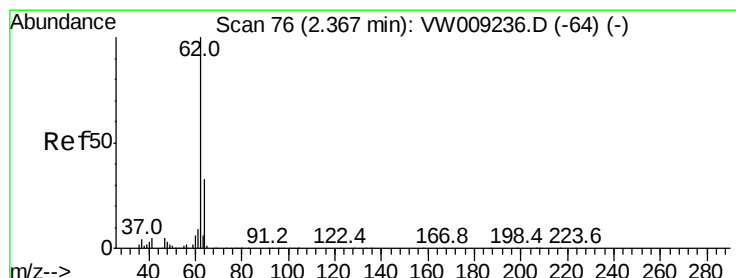
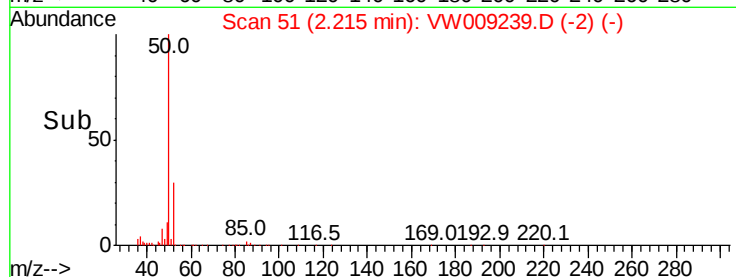
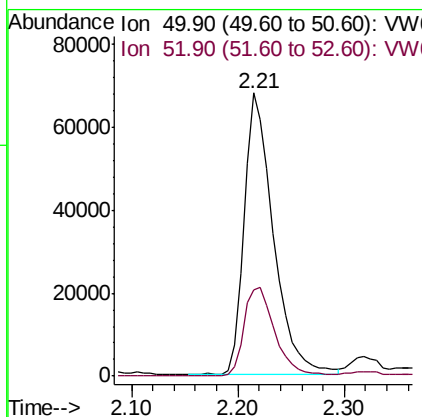
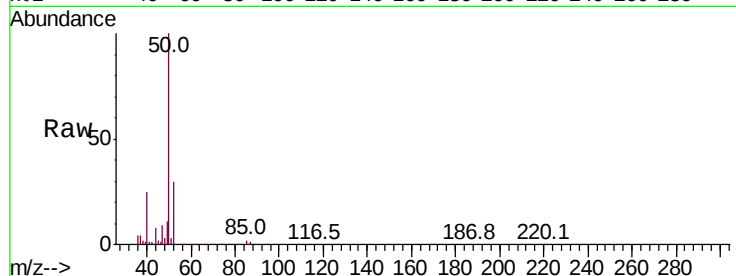
50 100

52 30.5 27.2 40.8

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#4

Vinyl Chloride

Concen: 56.224 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009239.D

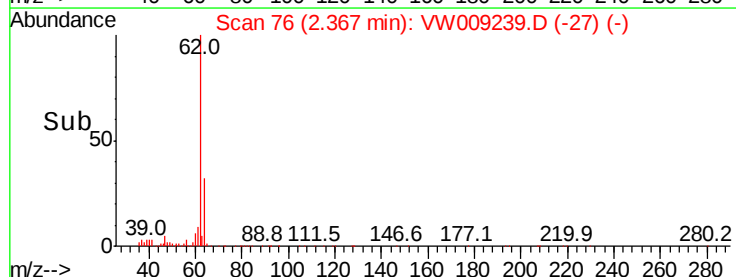
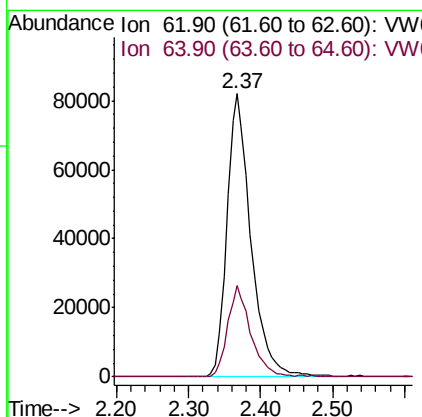
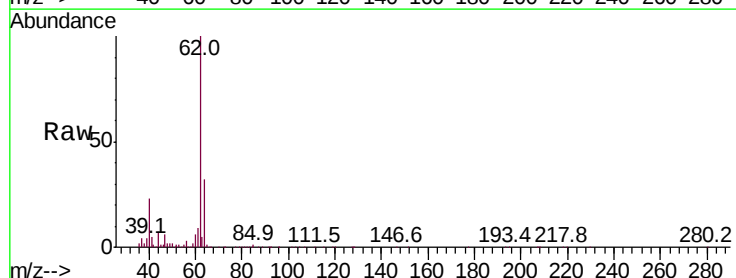
Acq: 19 Mar 2019 13:53

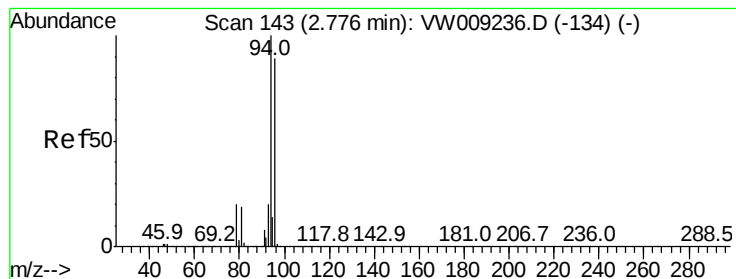
Tgt Ion: 62 Resp: 189446

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.2





#5

Bromomethane

Concen: 49.923 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 137179

Ion Ratio Lower Upper

94 100

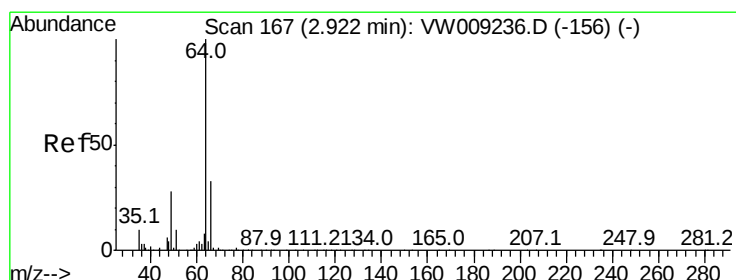
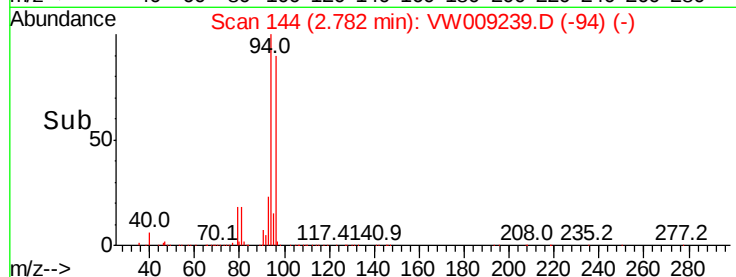
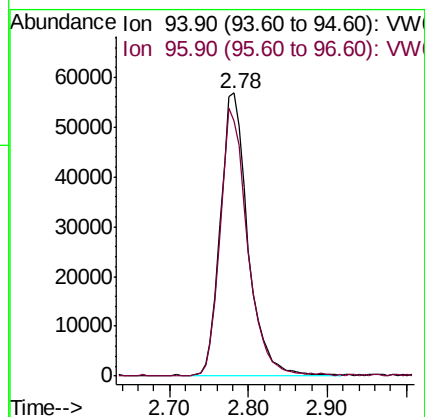
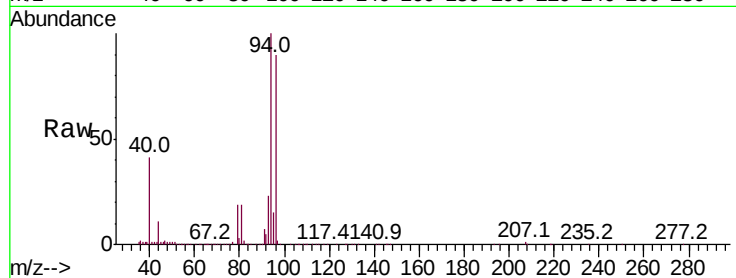
96 90.0 71.4 107.2

Manual Integrations

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#6

Chloroethane

Concen: 54.390 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009239.D

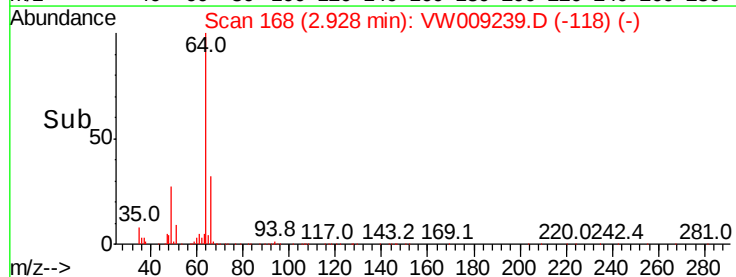
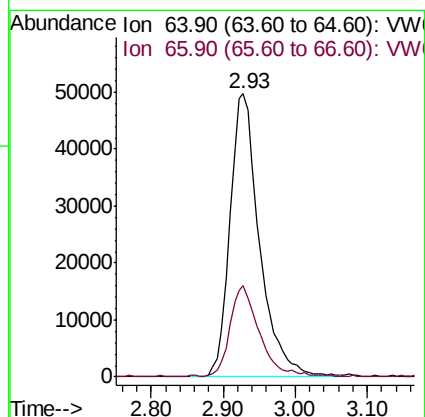
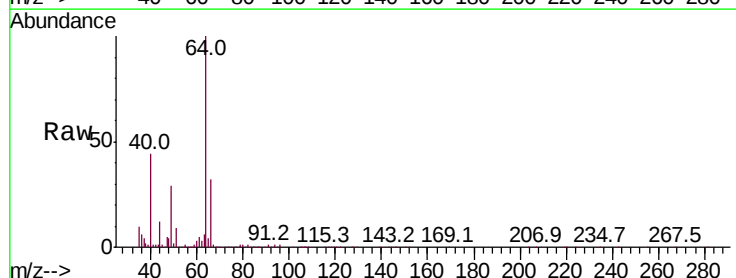
Acq: 19 Mar 2019 13:53

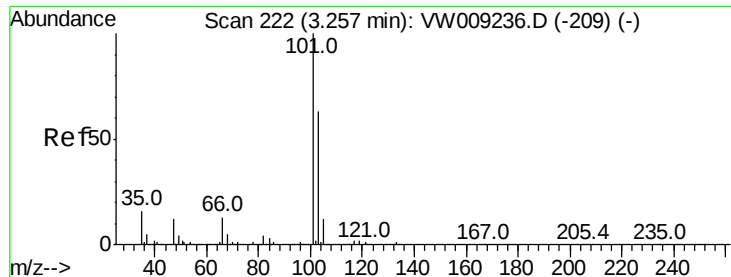
Tgt Ion: 64 Resp: 142186

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





#7

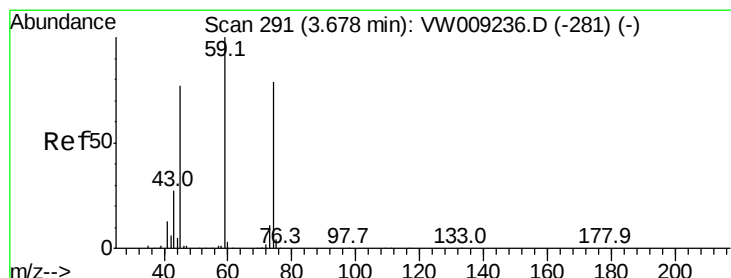
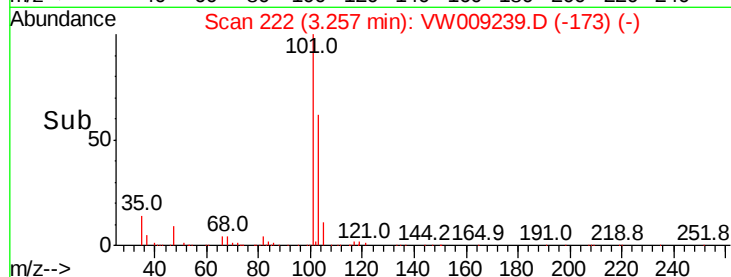
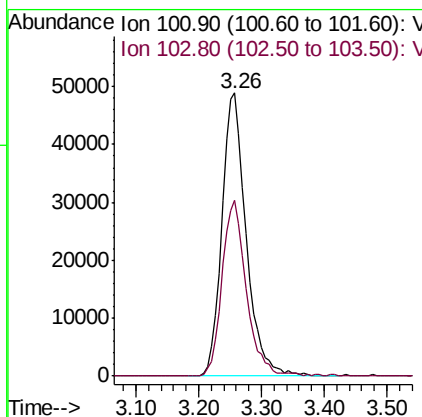
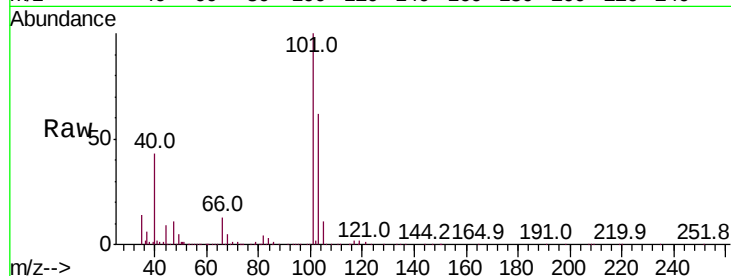
Trichlorofluoromethane
 Concen: 59.328 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.5	75.7

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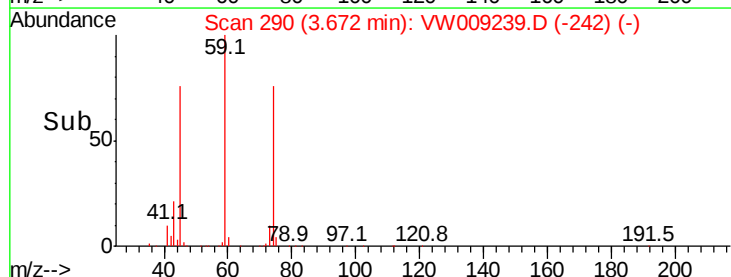
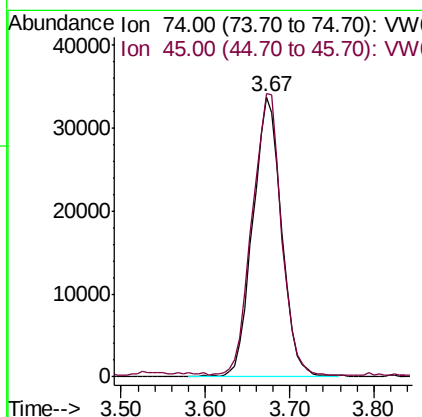
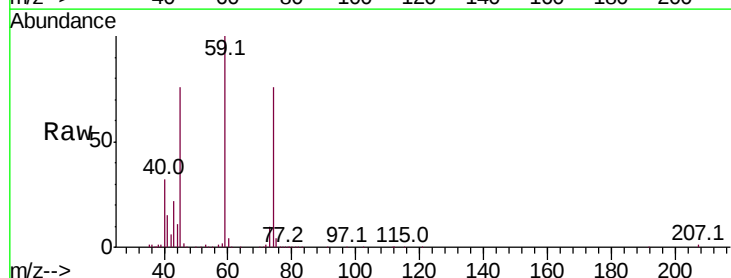
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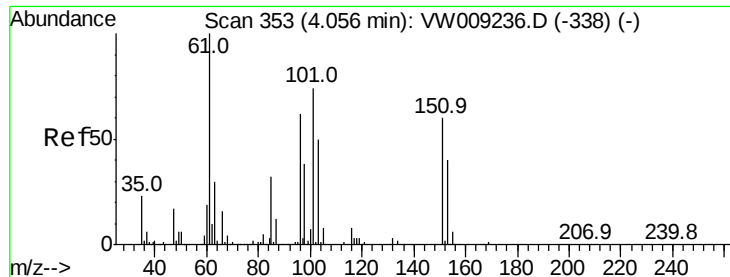


#8

Diethyl Ether
 Concen: 49.284 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.338 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

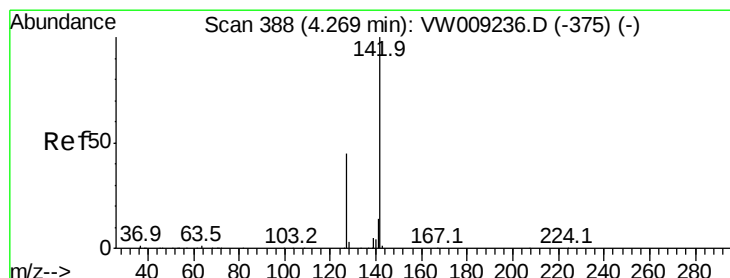
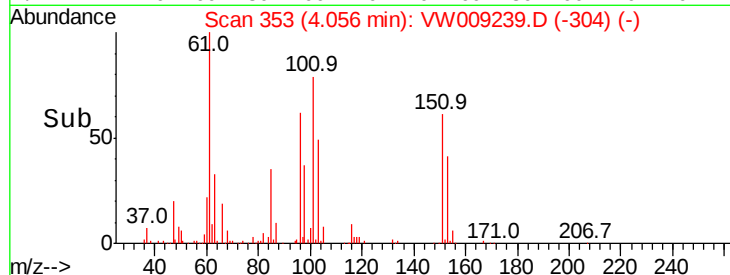
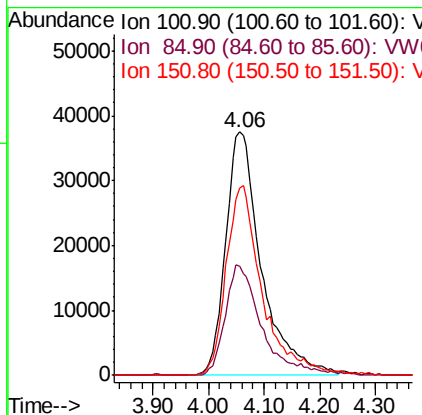
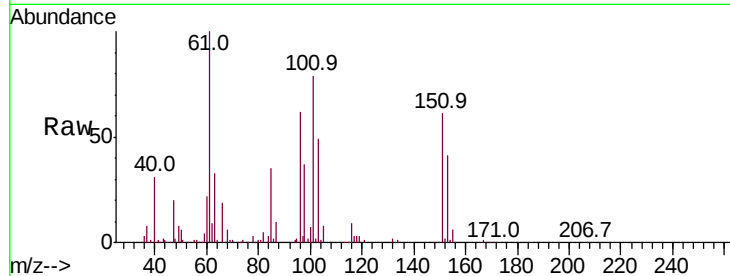
ClientSampleId :

ICVW031918

Tot Ion:	101	Resp:	167346
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.1	52.7
151	78.4	62.9	94.3

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#10

Methyl Iodide

Concen: 50.450 ug/l

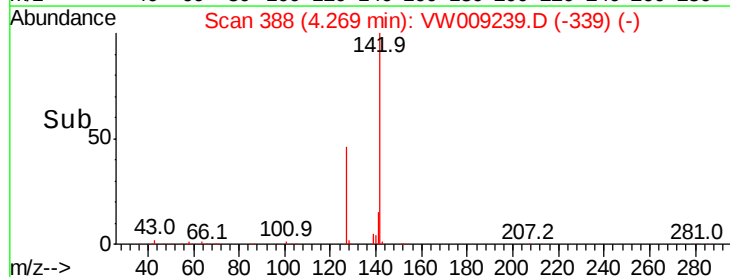
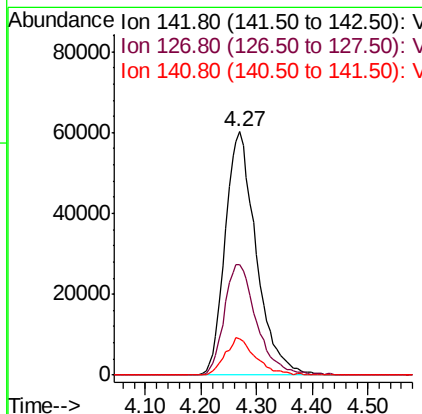
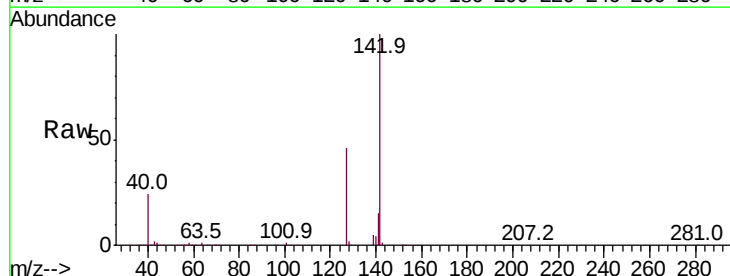
RT: 4.27 min Scan# 388

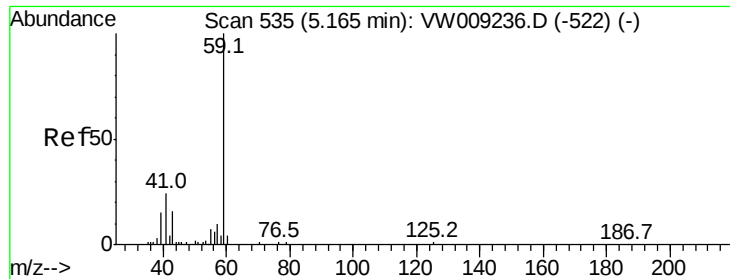
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion:	142	Resp:	232538
Ion Ratio	Lower	Upper	
142	100		
127	46.9	35.9	53.9
141	14.8	11.4	17.2





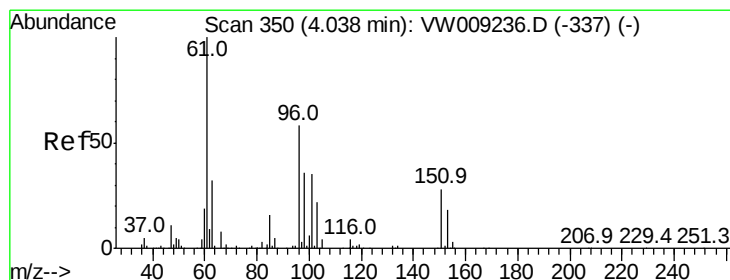
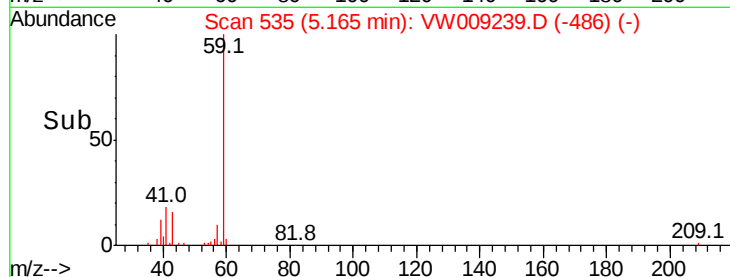
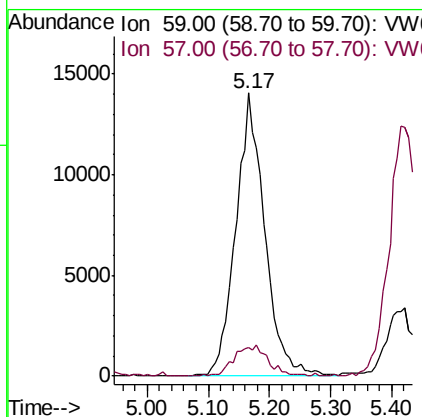
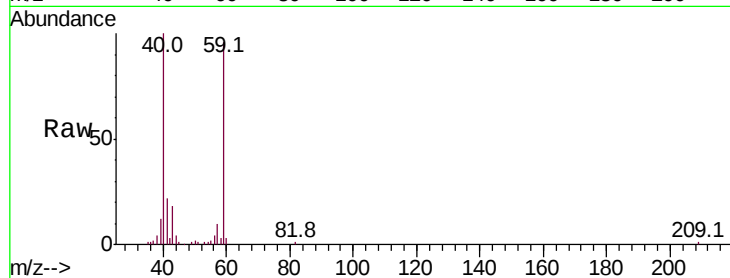
#11
Tert butyl alcohol
Concen: 234.783 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	9.4	14.0

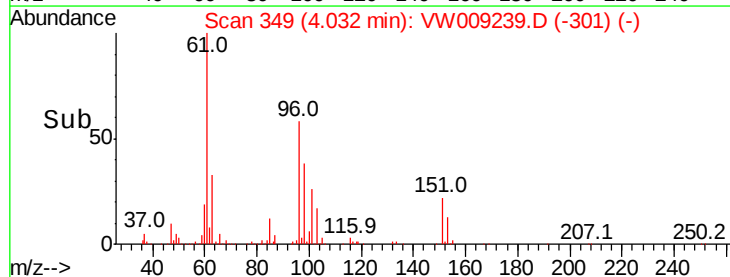
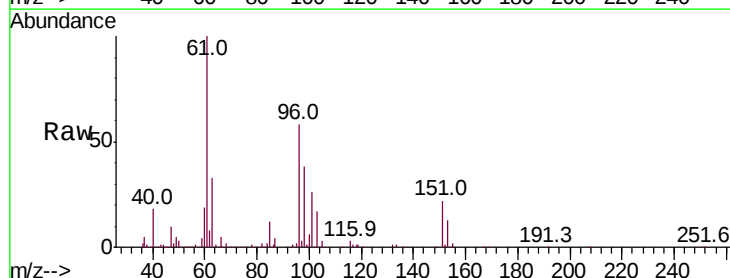
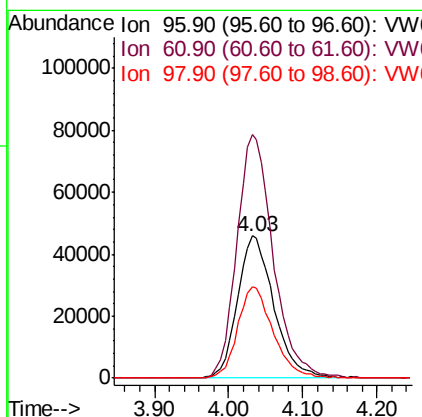
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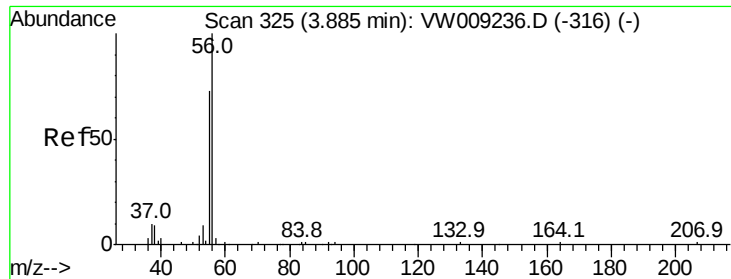
MMDadoda
3/22/2019 3:53:05 AM



#12
1,1-Dichloroethene
Concen: 51.730 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.5	138.0	207.0
98	64.6	49.8	74.8





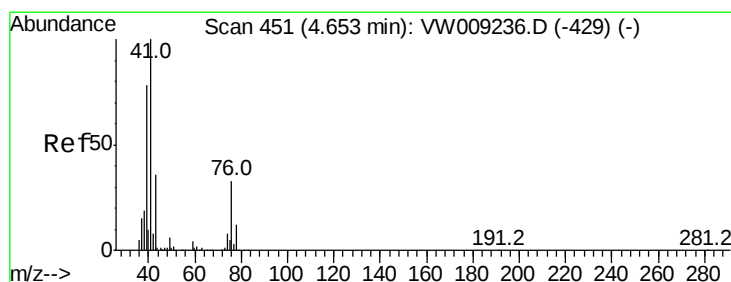
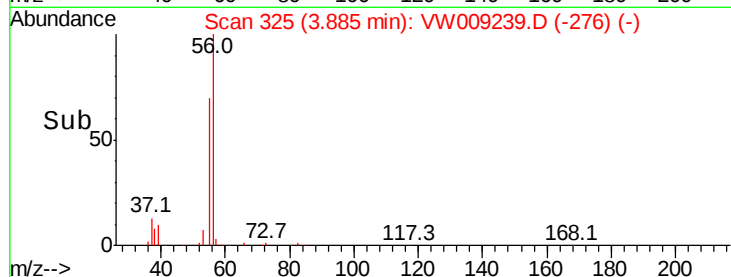
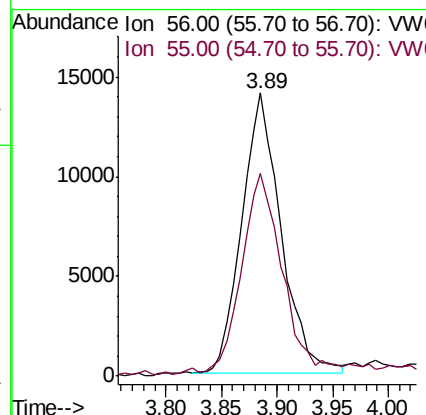
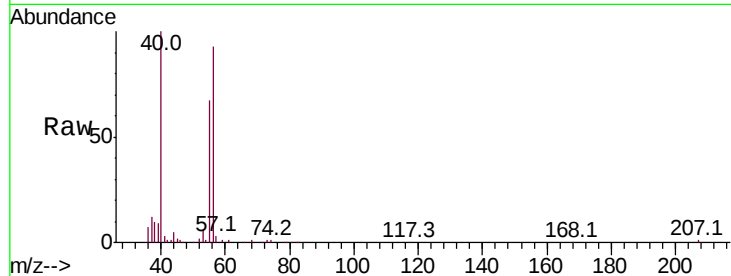
#13
Acrolein
Concen: 216.219 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.3	55.2	82.8

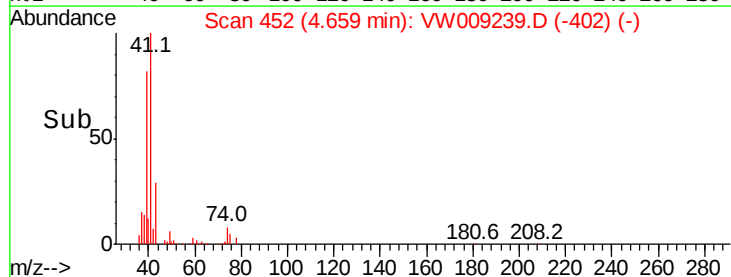
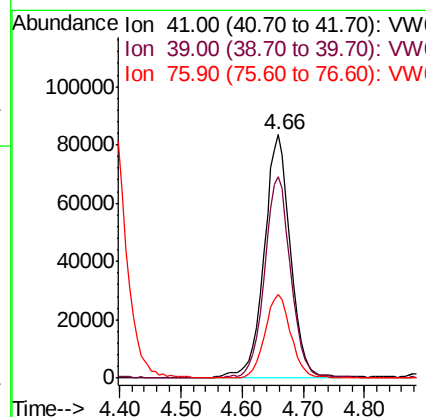
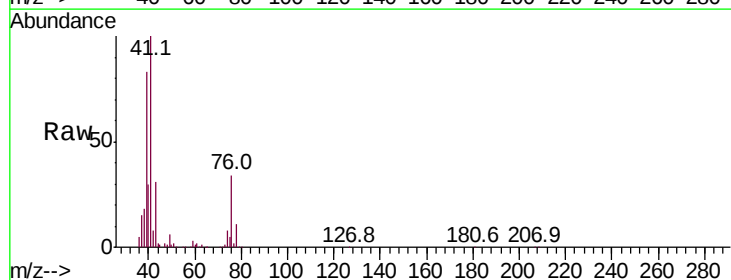
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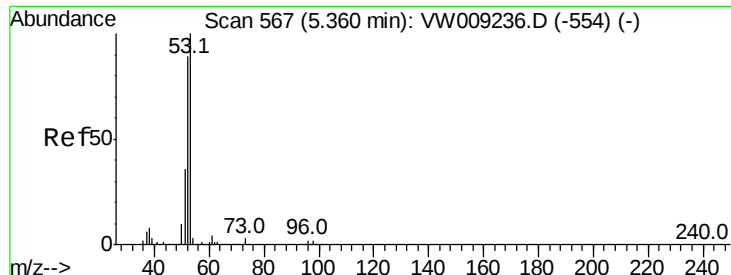
MMDadoda
3/22/2019 3:53:05 AM



#14
Allyl chloride
Concen: 56.358 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	82.3	63.8	95.6
76	33.2	27.8	41.6





#15

Acrylonitrile

Concen: 240.509 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

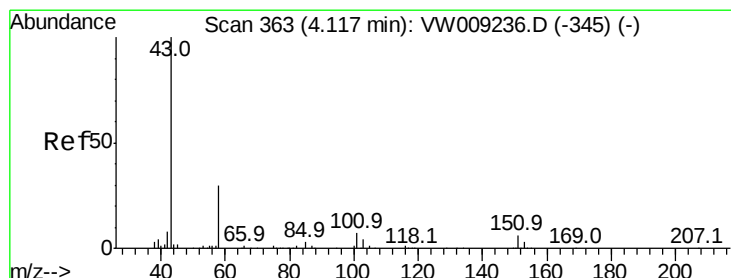
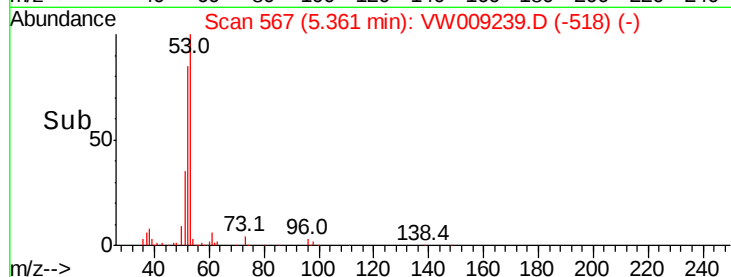
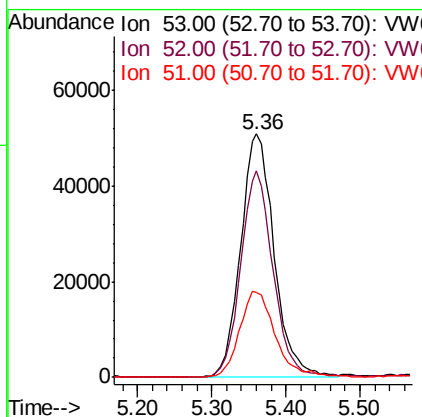
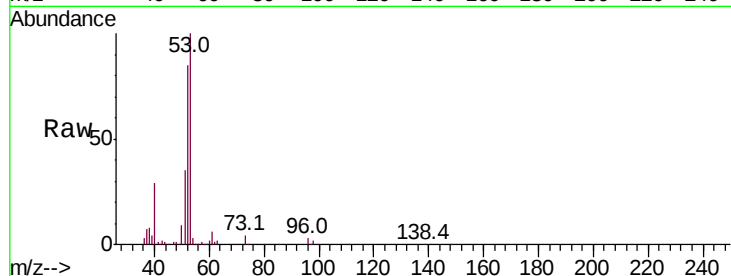
ClientSampleId :

ICVW031918

Tot Ion:	53	Resp:	160901
Ion Ratio	Lower	Upper	
53	100		
52	81.6	67.6	101.4
51	38.0	30.6	45.8

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#16

Acetone

Concen: 281.023 ug/l

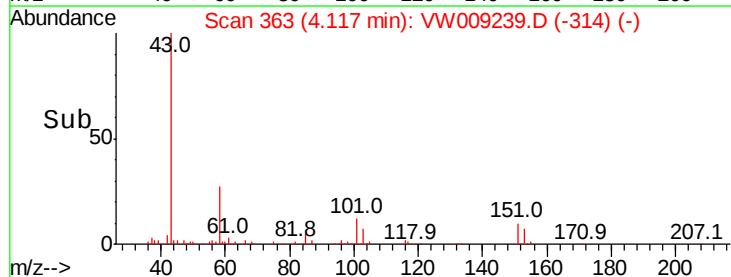
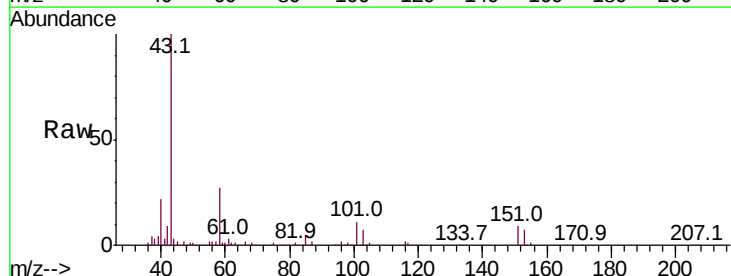
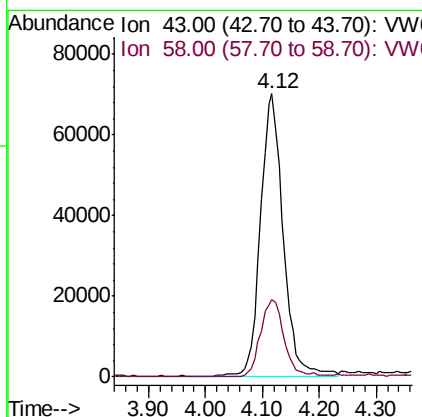
RT: 4.12 min Scan# 363

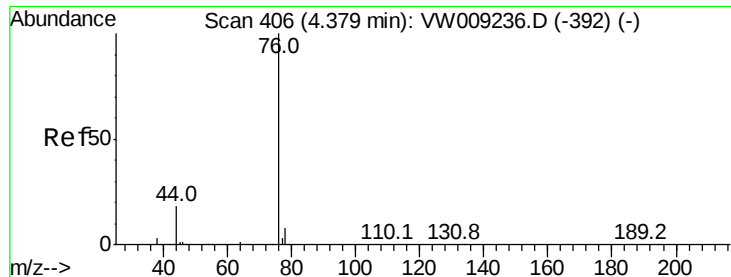
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion:	43	Resp:	194223
Ion Ratio	Lower	Upper	
43	100		
58	27.0	23.6	35.4





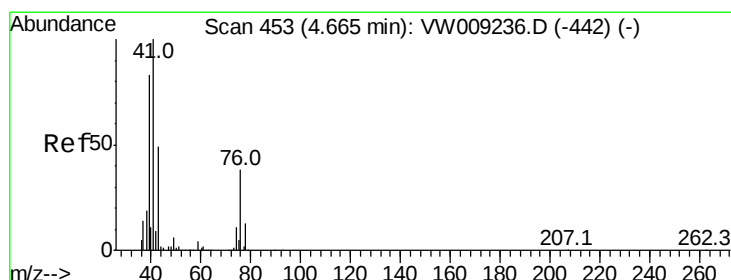
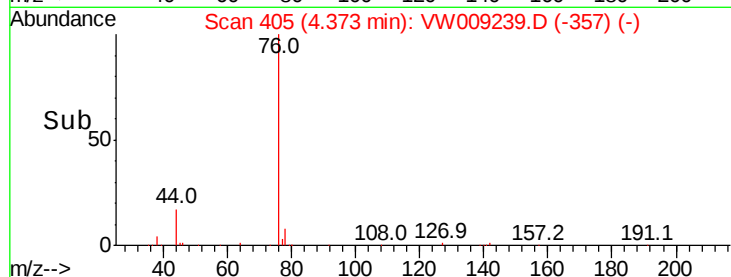
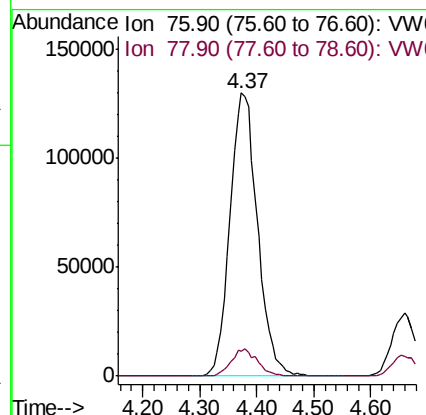
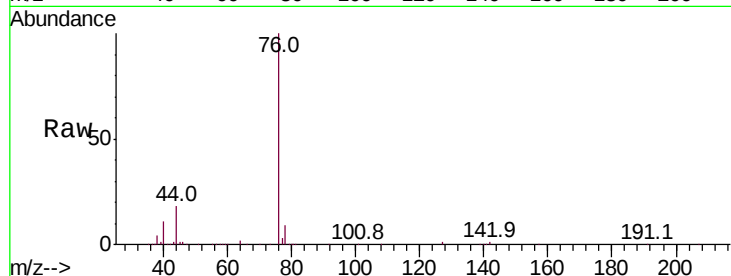
#17
Carbon Disulfide
Concen: 52.080 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

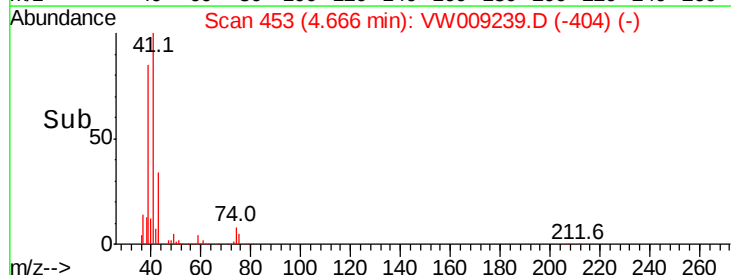
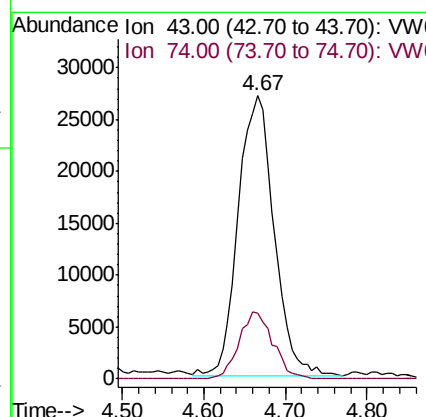
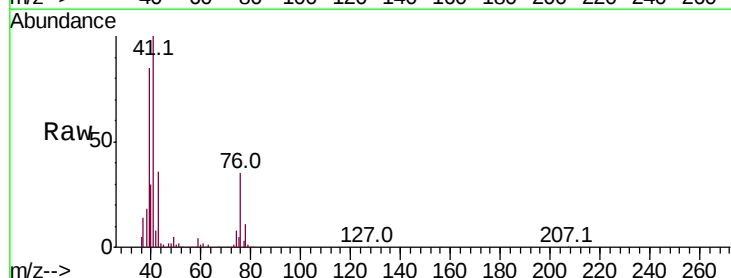
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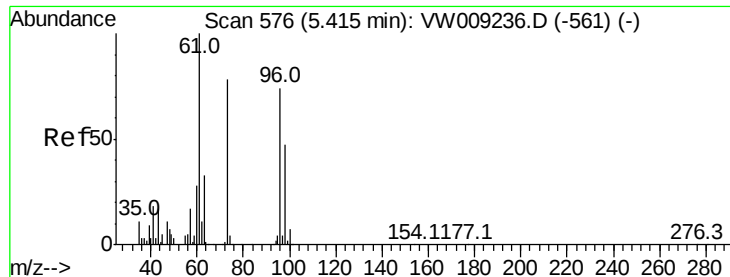
MMDadoda
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#18
Methyl Acetate
Concen: 46.186 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.7	26.5





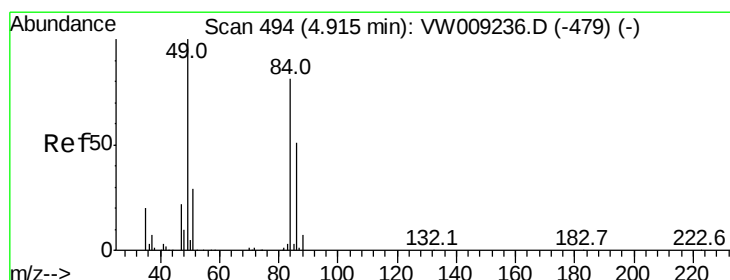
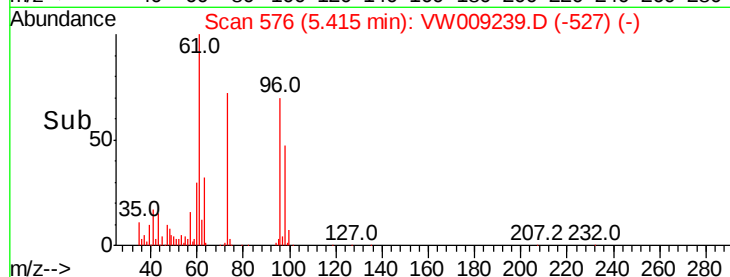
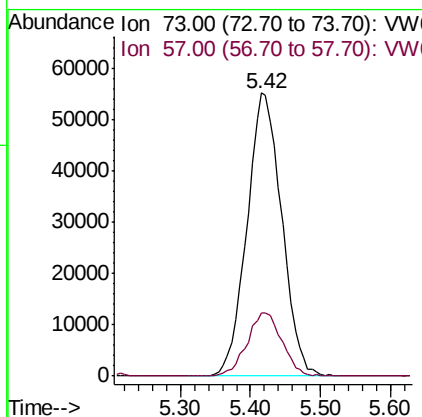
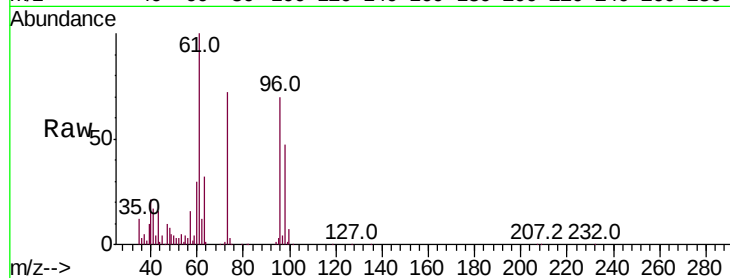
#19
Methvl tert-butvl Ether
Concen: 51.329 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion: 73 Resp: 190406
Ion Ratio Lower Upper
73 100
57 22.5 17.0 25.6

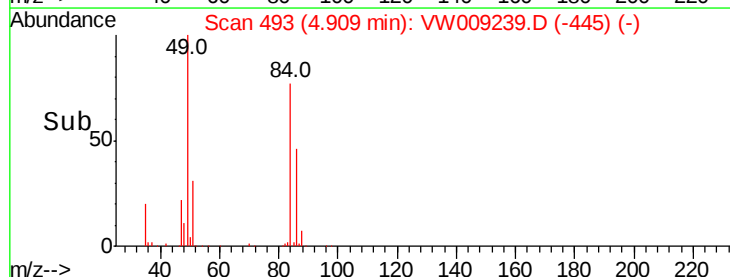
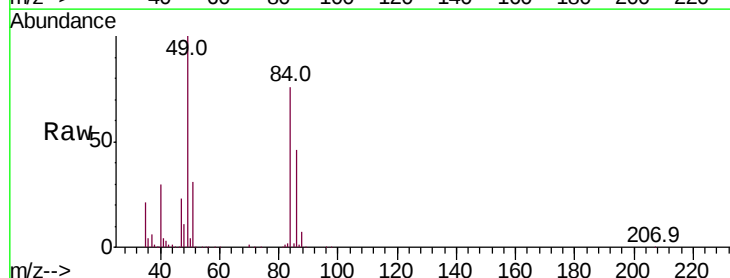
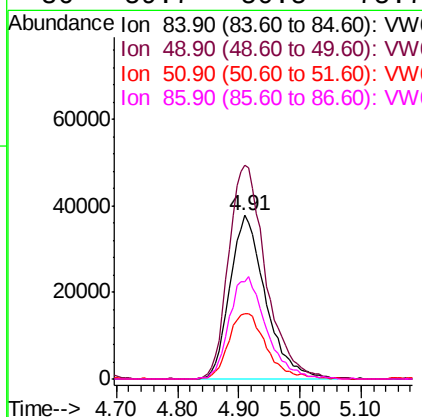
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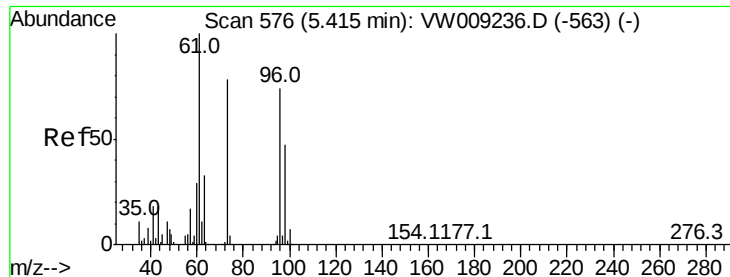
MMDadoda
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#20
Methylene Chloride
Concen: 52.909 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion: 84 Resp: 152429
Ion Ratio Lower Upper
84 100
49 130.8 99.1 148.7
51 40.4 28.7 43.1
86 59.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 52.264 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

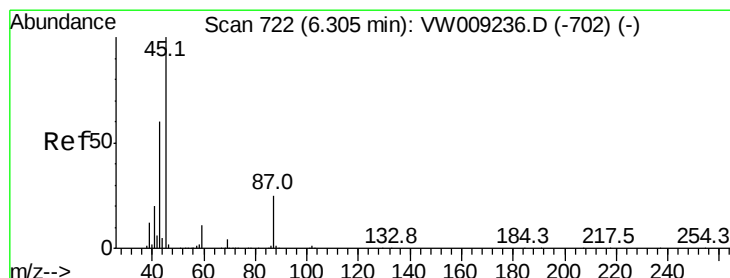
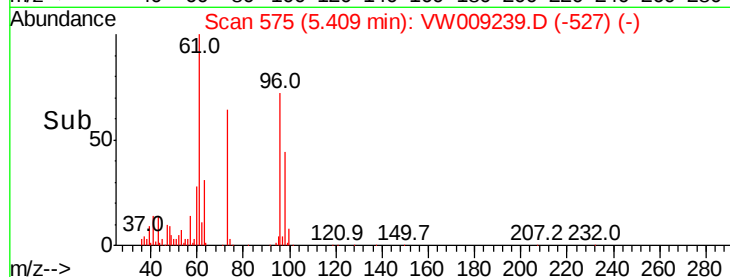
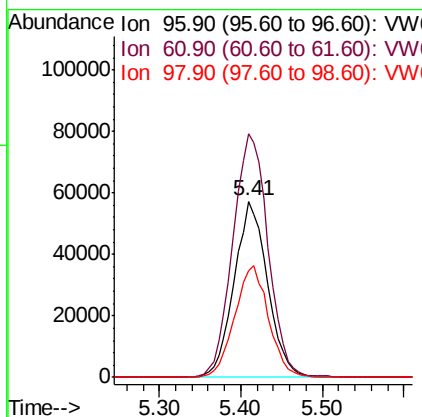
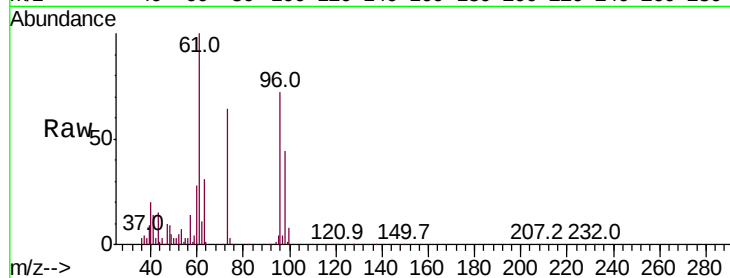
ClientSampleId :

ICVW031918

Tot Ion:	96	Resp:	162522
Ion	Ratio	Lower	Upper
96	100		
61	138.0	108.2	162.4
98	60.7	50.9	76.3

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#22

Diisopropyl ether

Concen: 52.479 ug/l

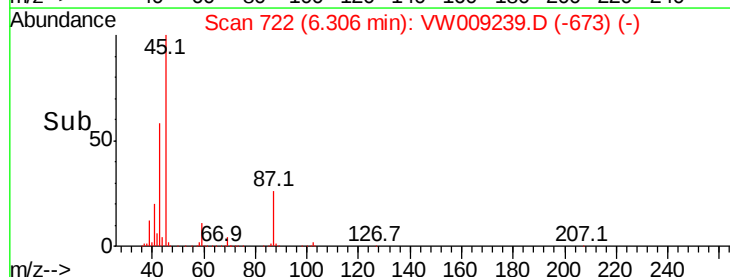
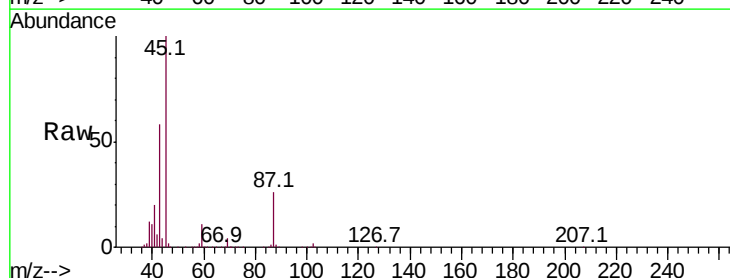
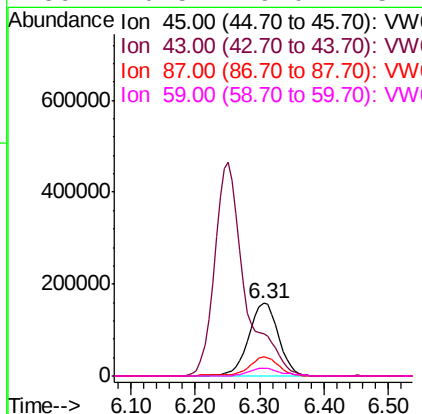
RT: 6.31 min Scan# 722

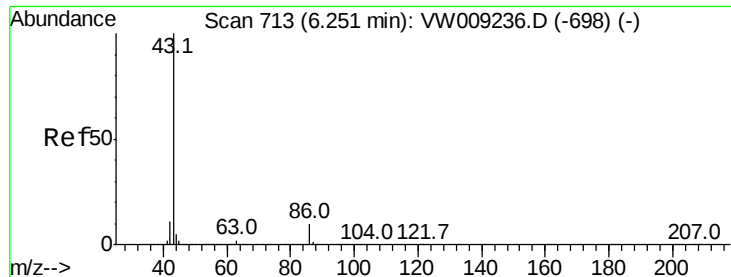
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion:	45	Resp:	504111
Ion	Ratio	Lower	Upper
45	100		
43	56.9	47.9	71.9
87	26.0	20.6	30.8
59	10.5	9.0	13.4





#23

Vinyl Acetate

Concen: 254.365 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 43 Resp: 1533097

Ion Ratio Lower Upper

43 100

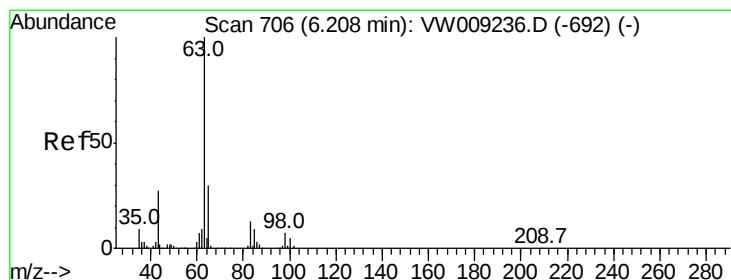
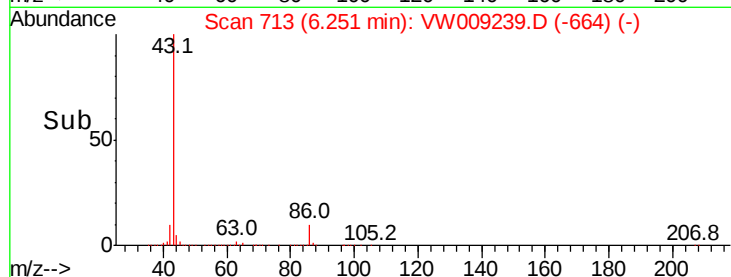
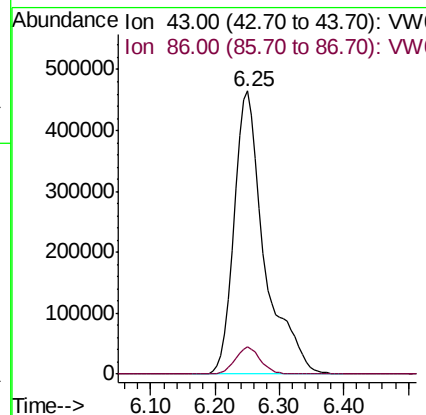
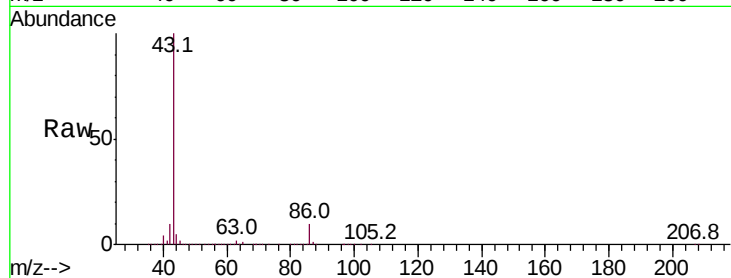
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.627 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

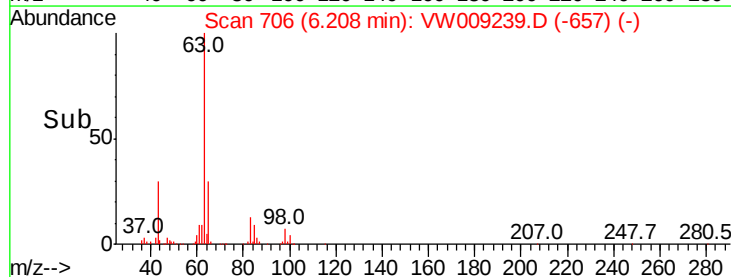
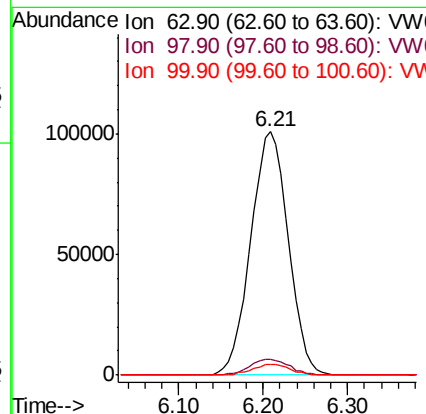
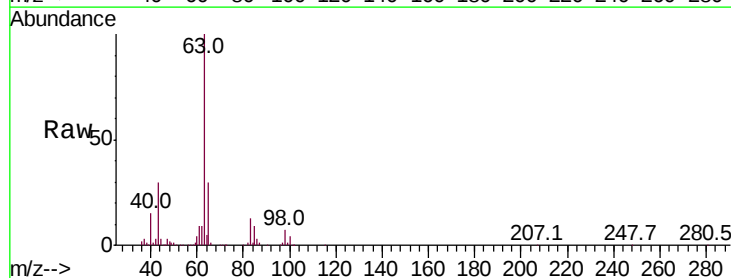
Tgt Ion: 63 Resp: 306067

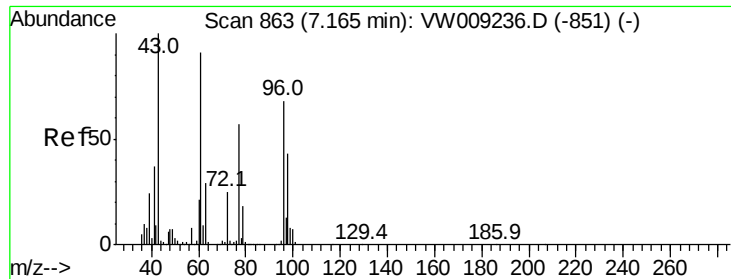
Ion Ratio Lower Upper

63 100

98 6.5 3.7 11.1

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 241.260 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 43 Resp: 238922

Ion Ratio Lower Upper

43 100

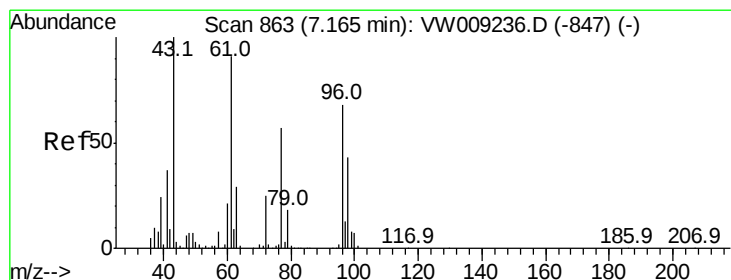
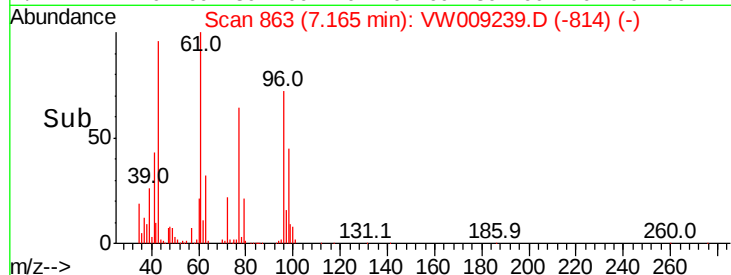
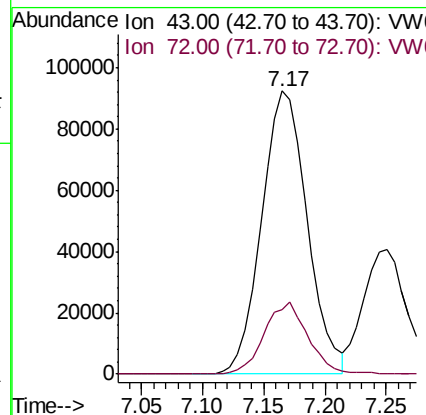
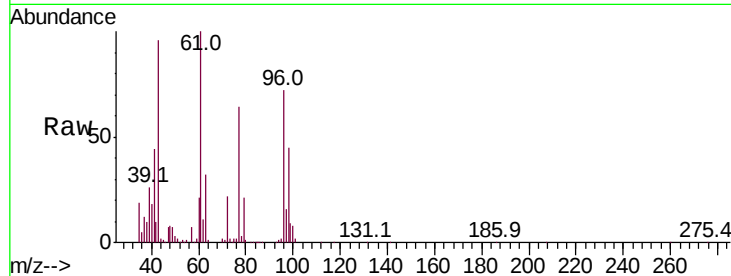
72 22.8 20.0 30.0

Manual Integrations

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MMDadoda

3/22/2019 3:53:05 AM



#26

2,2-Dichloropropane

Concen: 55.688 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009239.D

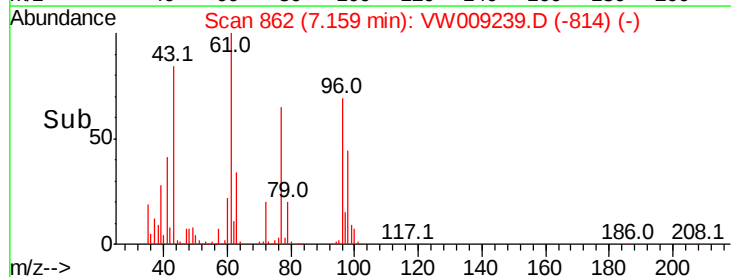
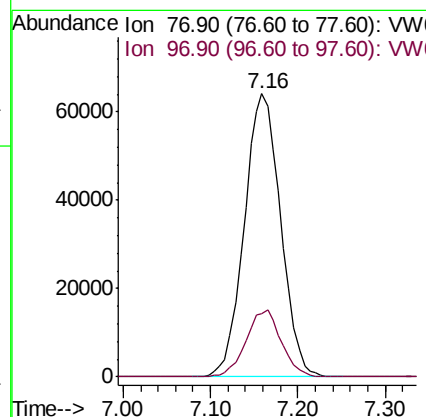
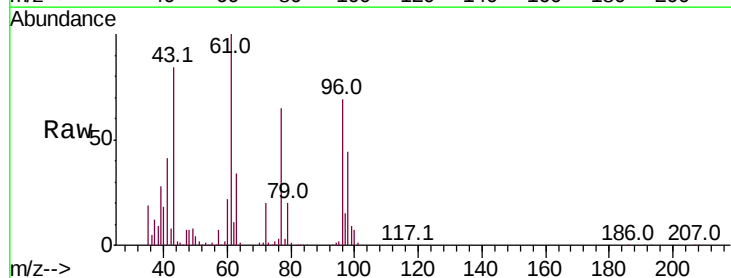
Acq: 19 Mar 2019 13:53

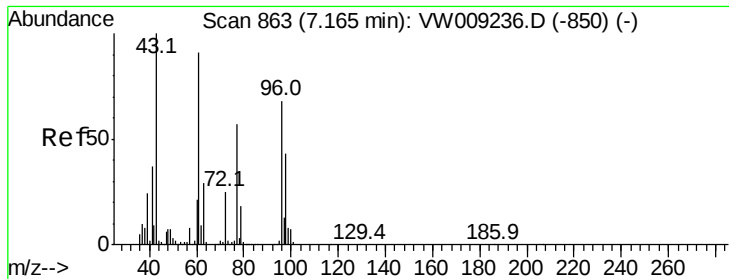
Tgt Ion: 77 Resp: 184464

Ion Ratio Lower Upper

77 100

97 22.9 11.6 34.7





#27

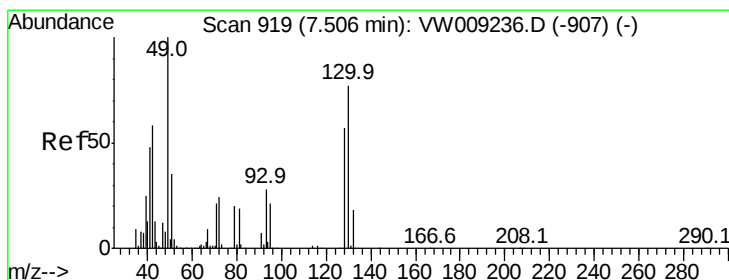
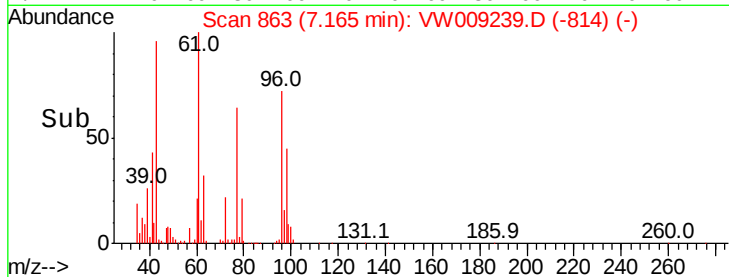
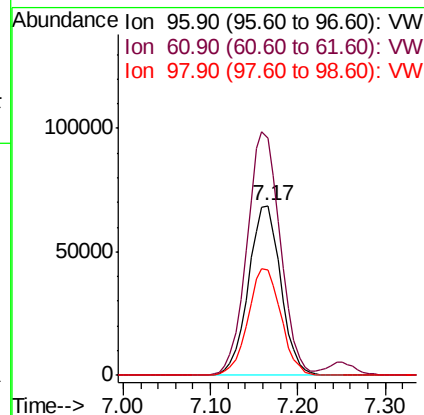
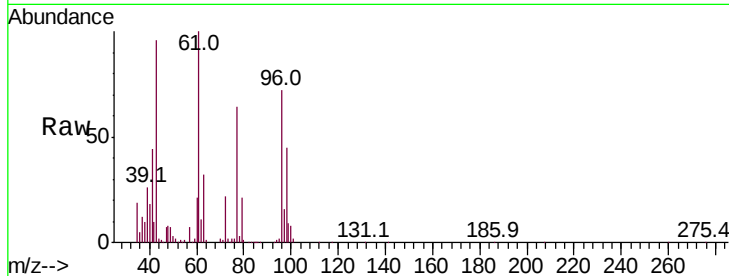
cis-1,2-Dichloroethene
 Concen: 52.360 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW031918

Tot Ion	Ratio	Resp	Lower	Upper
96	100	176393		
61	147.6	0.0	289.8	
98	64.0	0.0	130.8	

Manual Integrations
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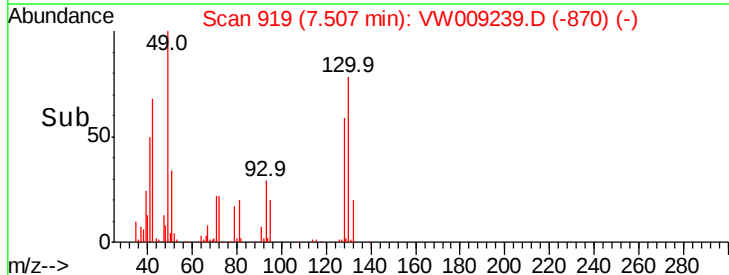
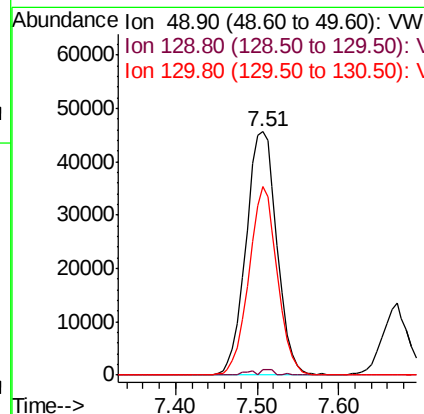
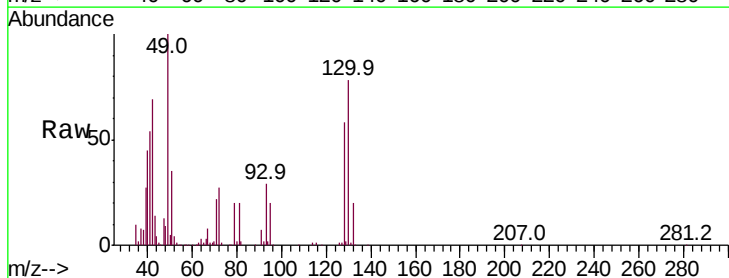
MMDadoda
 3/22/2019 3:53:05 AM

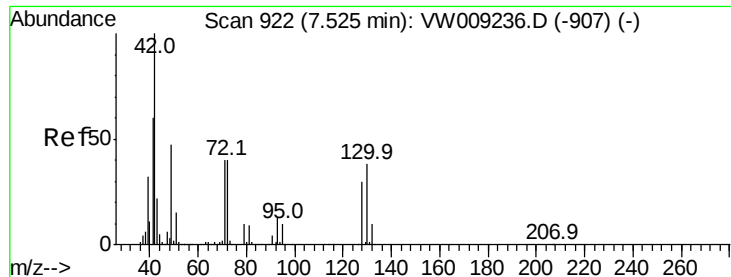


#28

Bromochloromethane
 Concen: 46.254 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120275		
129	0.9	0.0	1.4	
130	71.0	58.6	88.0	





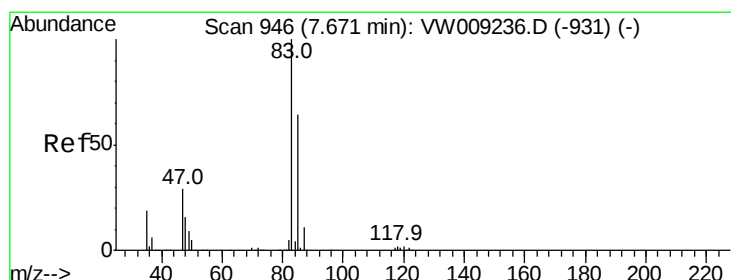
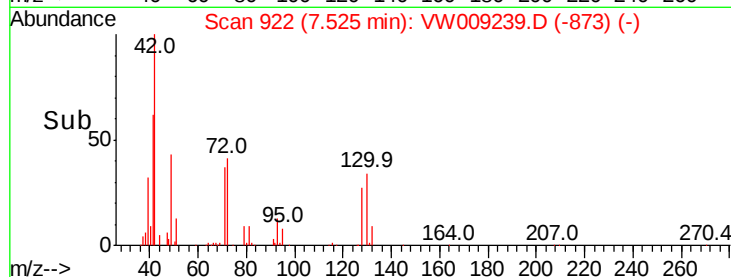
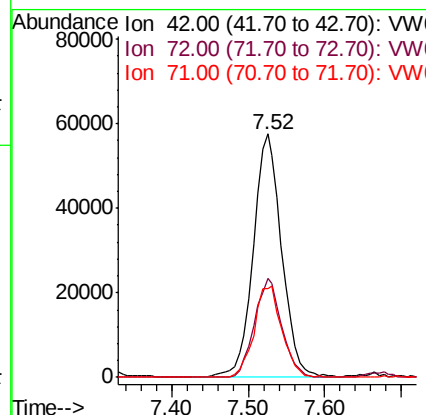
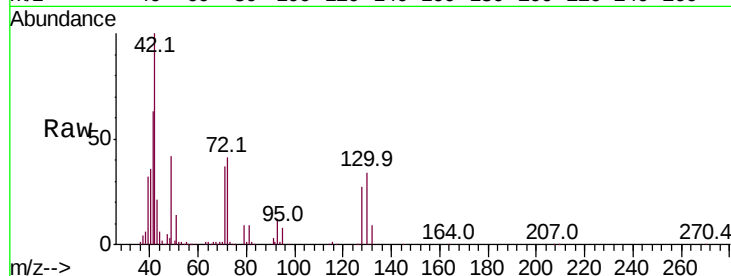
#29
Tetrahydrofuran
Concen: 234.371 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.4	48.6
71	37.3	30.1	45.1

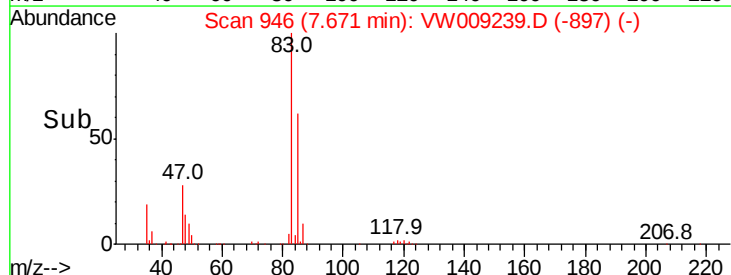
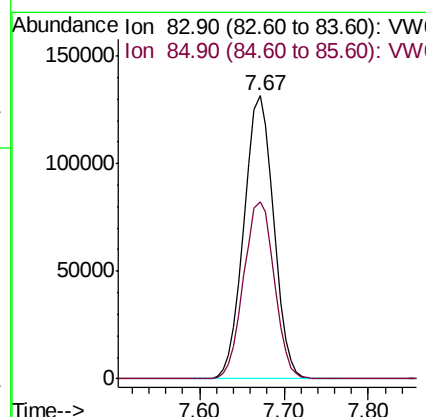
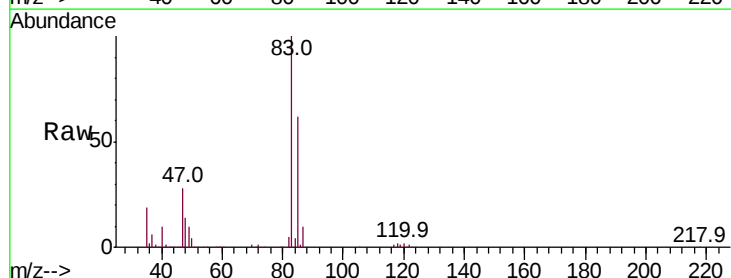
Manual Integrations
APPROVED

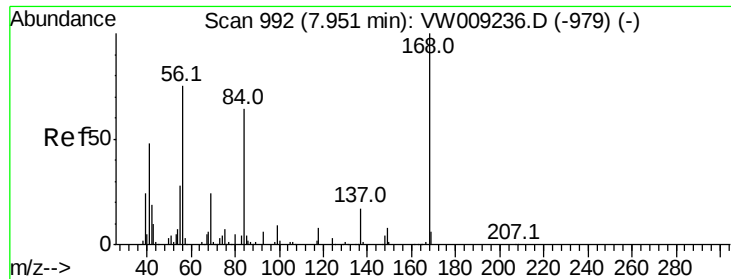
MMDadoda
3/22/2019 3:53:05 AM



#30
Chloroform
Concen: 50.726 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.6





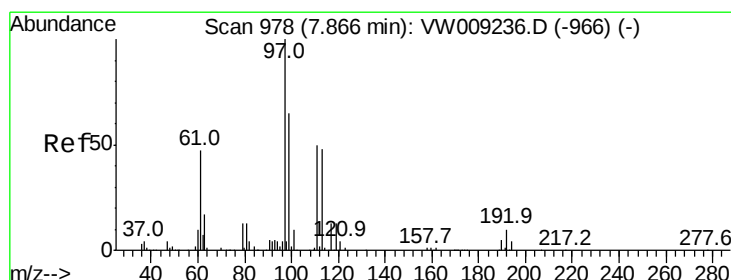
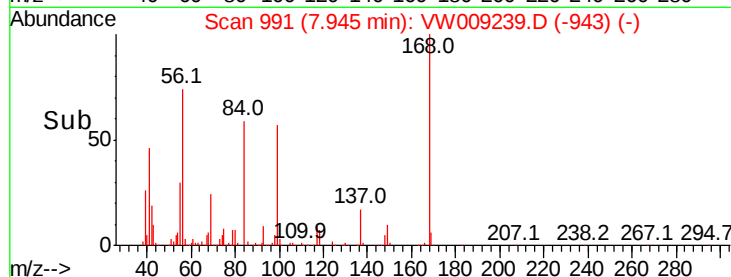
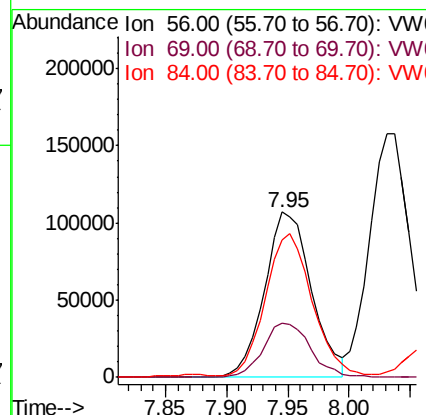
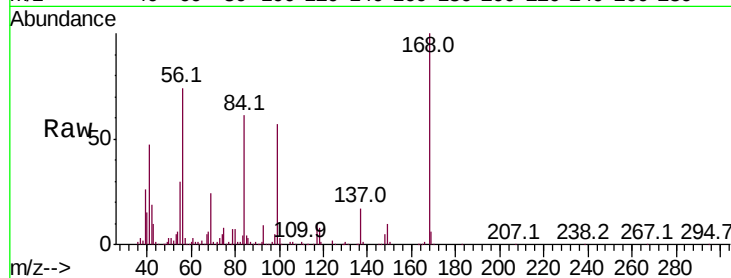
#31
Cyclohexane
Concen: 51.585 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.1	39.1
84	81.9	68.6	103.0

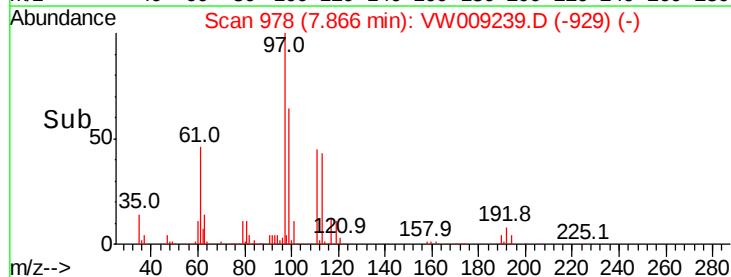
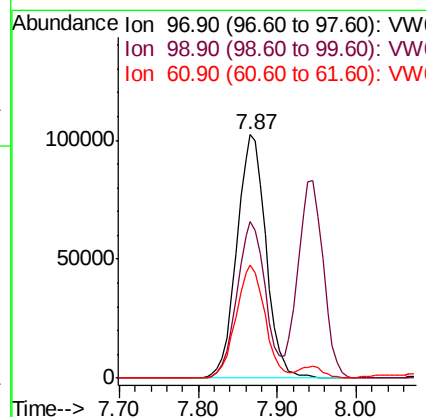
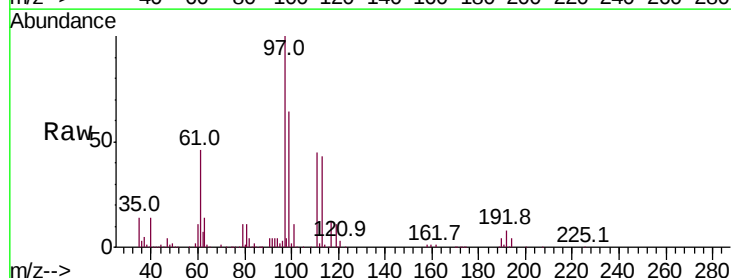
Manual Integrations
APPROVED

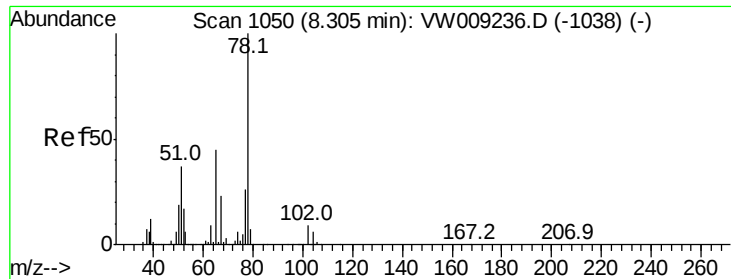
MMDadoda
3/22/2019 3:53:05 AM



#32
1,1,1-Trichloroethane
Concen: 53.246 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.9	77.9
61	46.2	36.8	55.2





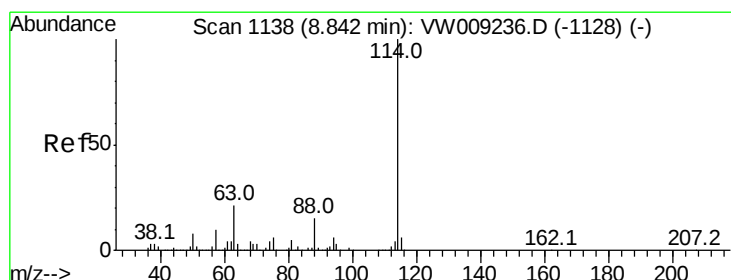
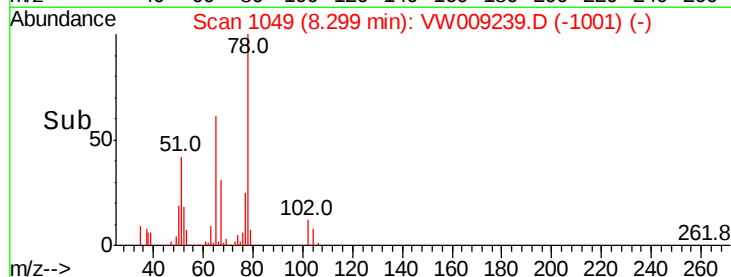
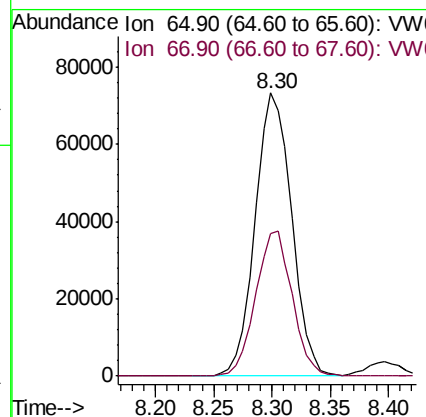
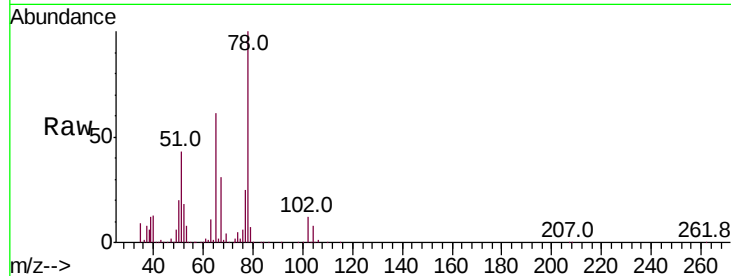
#33
 1,2-Dichloroethane-d4
 Concen: 47.650 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW031918

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160515		
67	51.1	0.0	102.4	

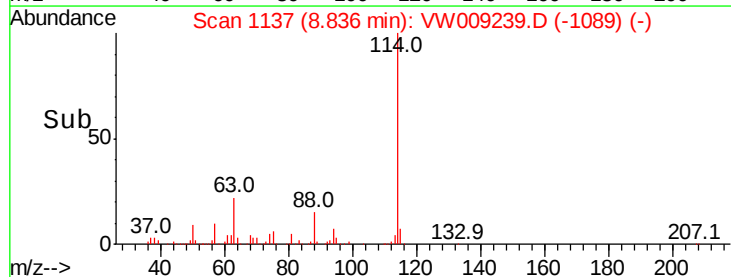
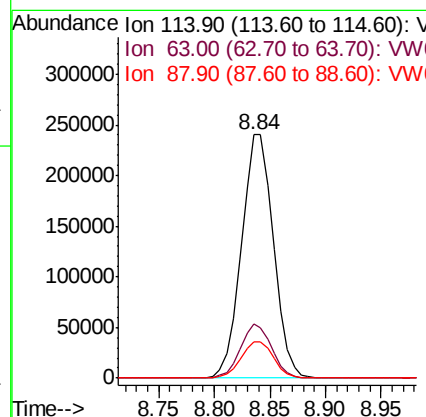
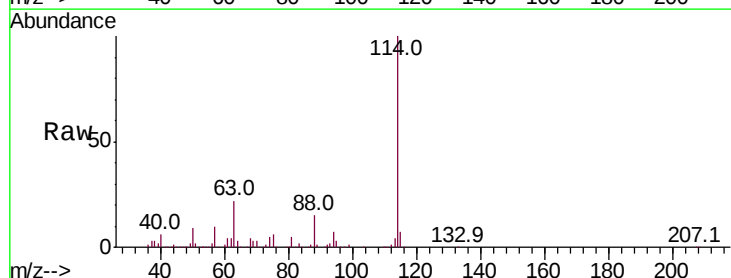
Manual Integrations
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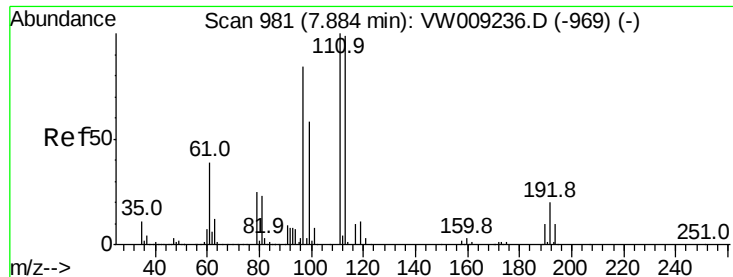
MMDadoda
 3/22/2019 3:53:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478440		
63	22.1	0.0	42.2	
88	14.7	0.0	30.8	





#35

Dibromofluoromethane

Concen: 48.562 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

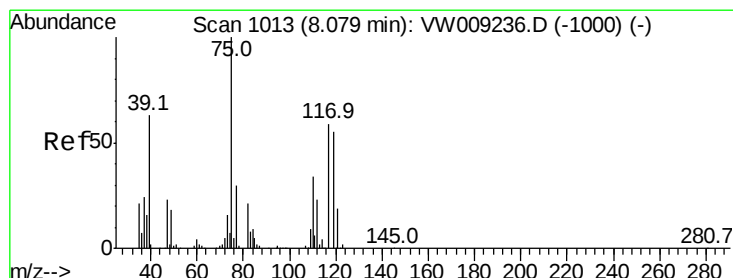
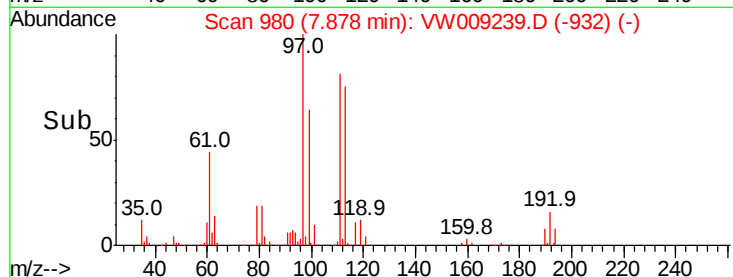
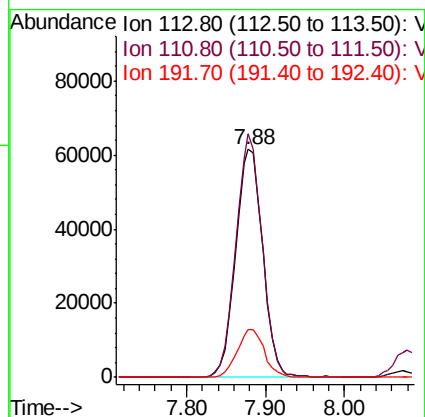
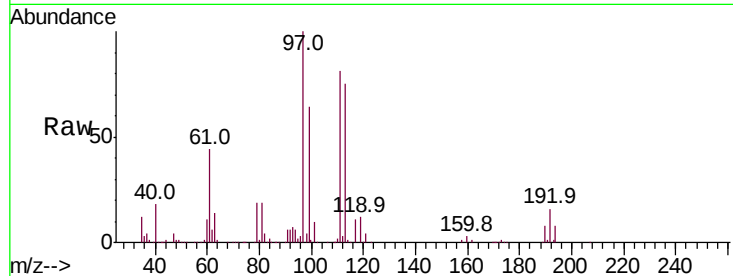
ClientSampleId :

ICVW031918

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147384		
111	102.9	82.6	124.0	
192	20.7	16.4	24.6	

Manual Integrations
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3/22/2019 3:53:05 AM



#36

1,1-Dichloropropene

Concen: 52.978 ug/l

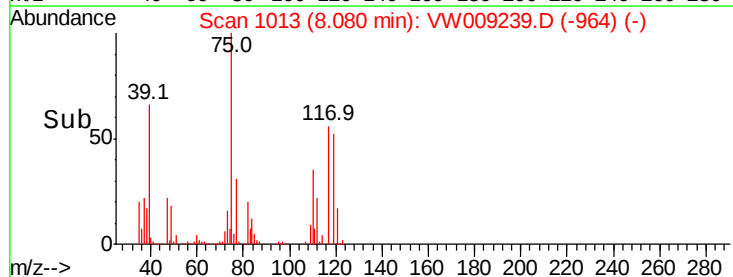
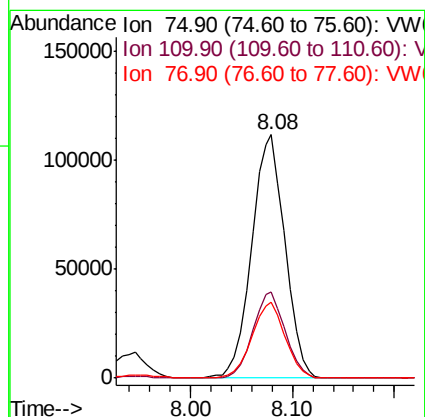
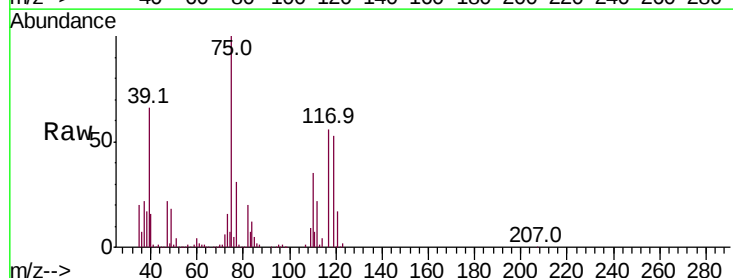
RT: 8.08 min Scan# 1013

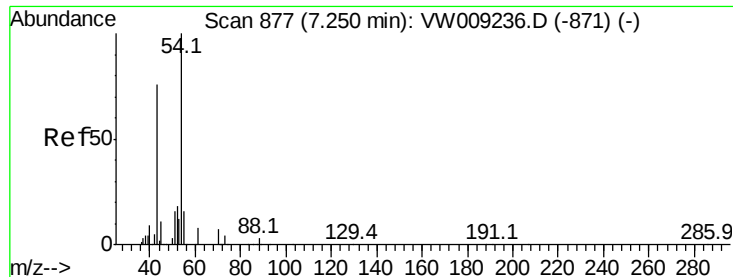
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	252228		
110	34.4	16.8	50.4	
77	31.4	24.6	36.8	





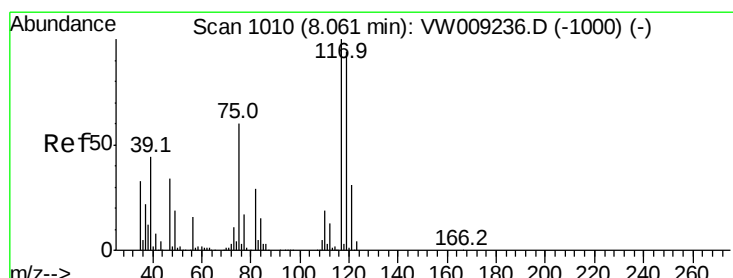
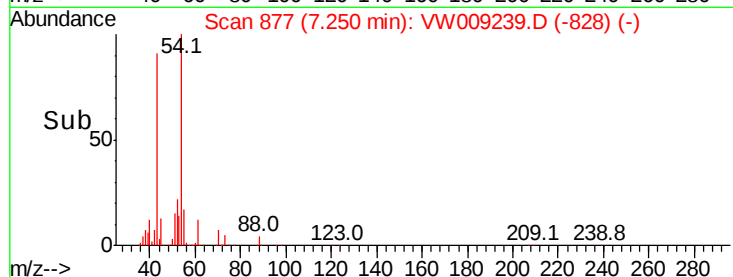
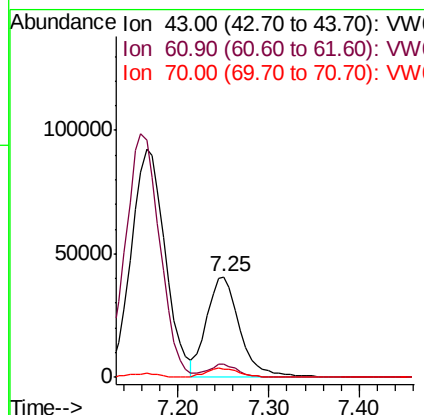
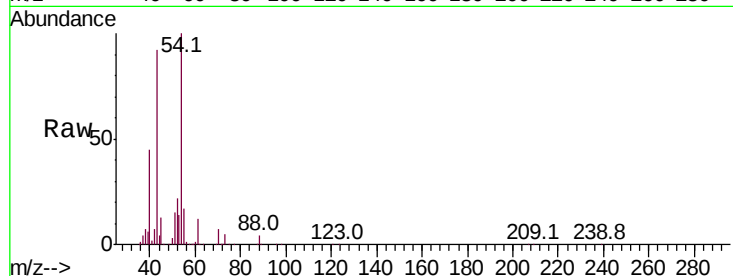
#37
Ethyl Acetate
Concen: 47.336 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.0	15.0
70	9.3	7.3	10.9

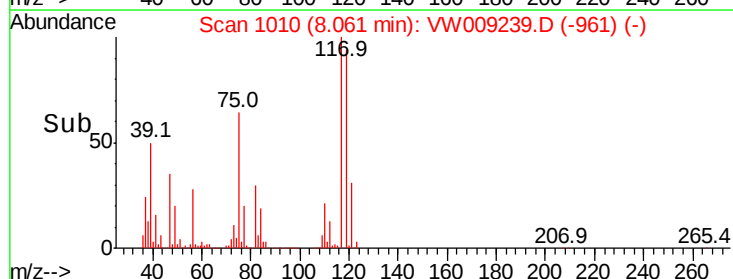
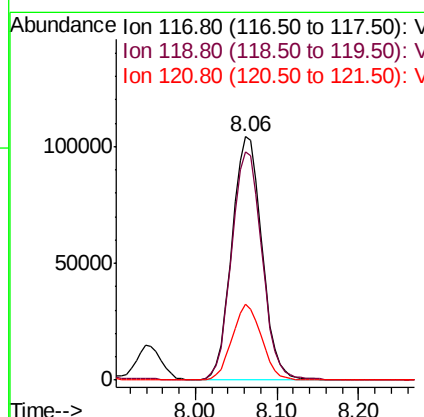
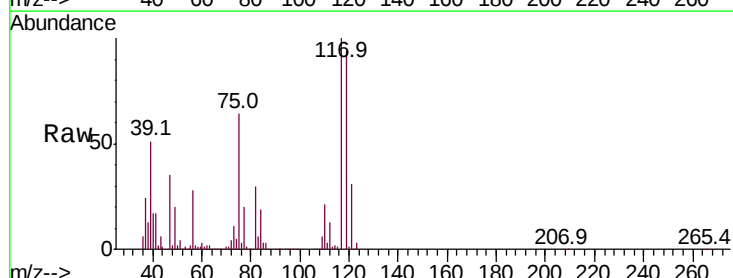
Manual Integrations
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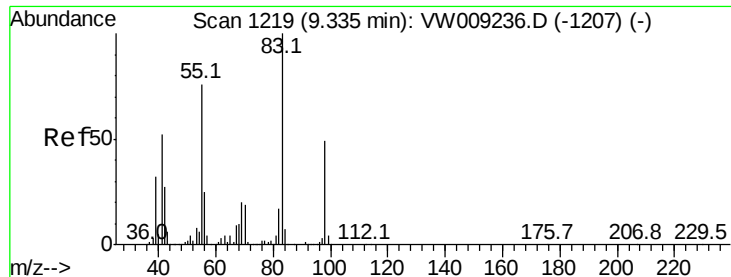
MMDadoda
3/22/2019 3:53:05 AM



#38
Carbon Tetrachloride
Concen: 52.599 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.0
121	31.2	24.9	37.3





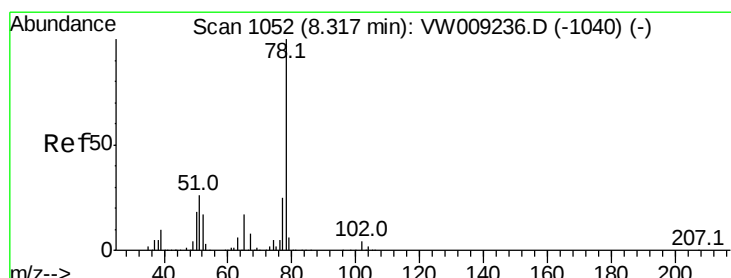
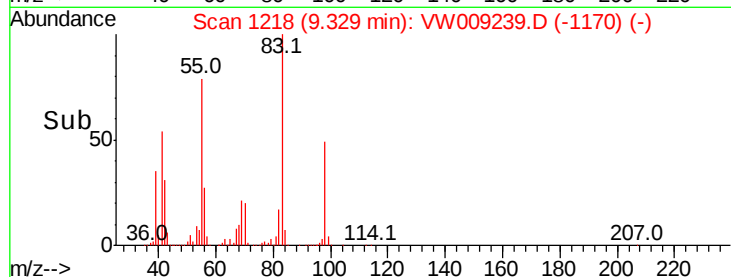
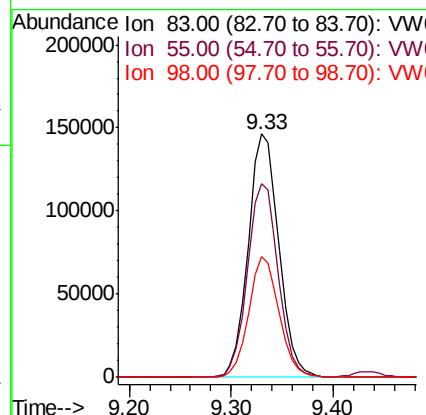
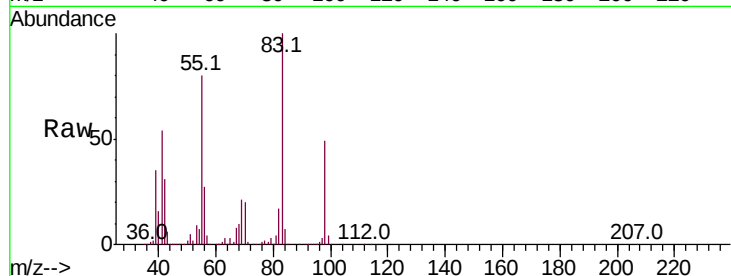
#39
Methvlcvclohexane
Concen: 55.656 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.5	61.1	91.7	
98	49.4	39.0	58.4	

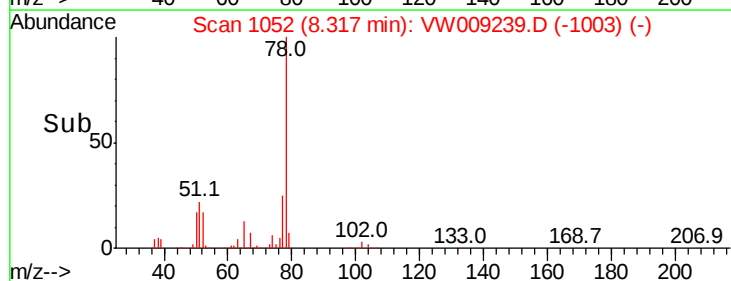
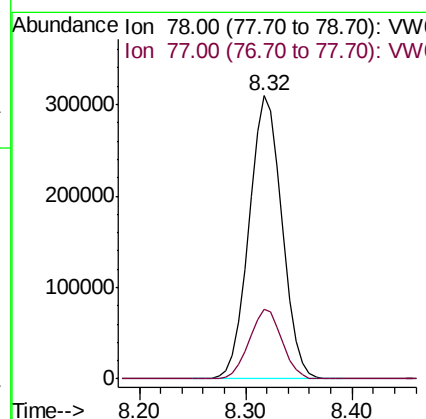
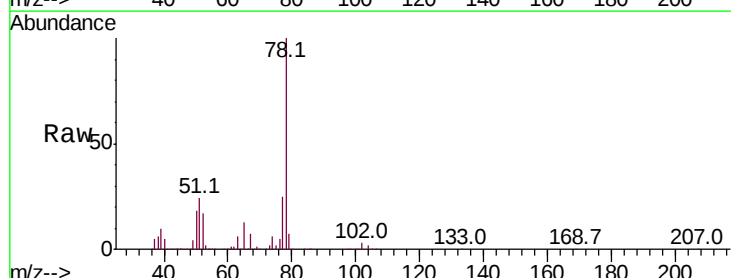
Manual Integrations
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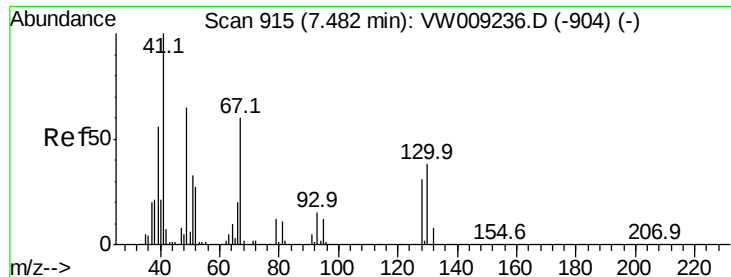
MMDadoda
3/22/2019 3:53:05 AM



#40
Benzene
Concen: 52.098 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.6	19.8	29.6	





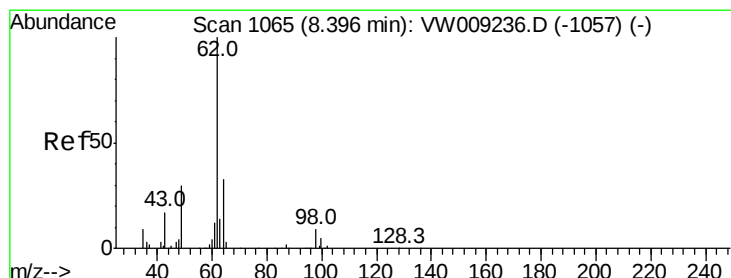
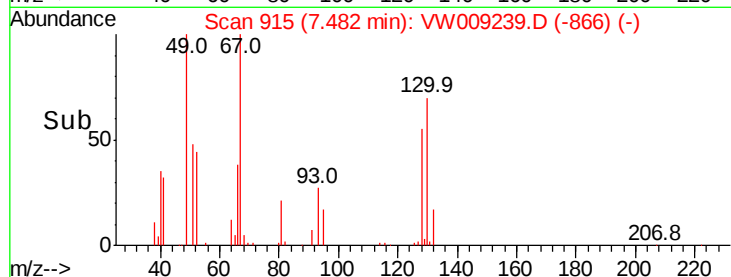
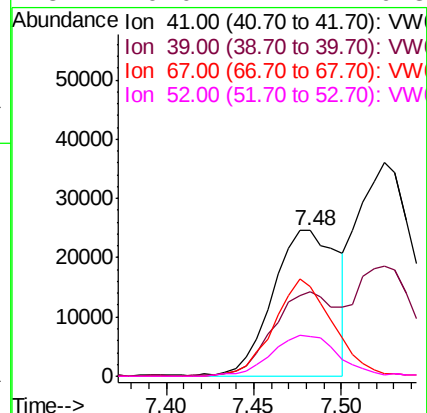
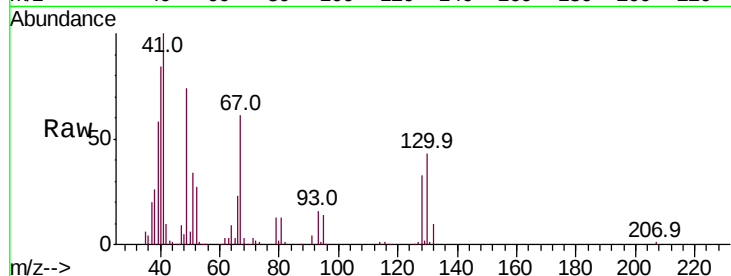
#41
Methacrylonitrile
Concen: 54.520 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.9	52.5	78.7
67	61.0	56.6	84.8
52	29.0	27.2	40.8

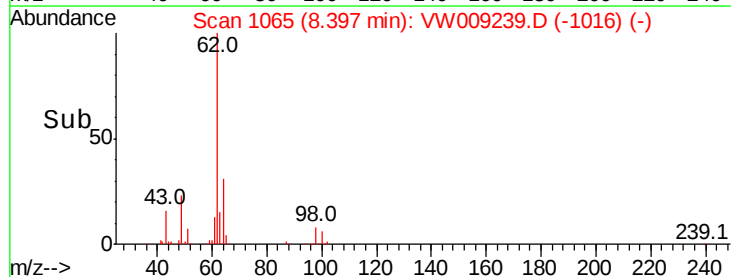
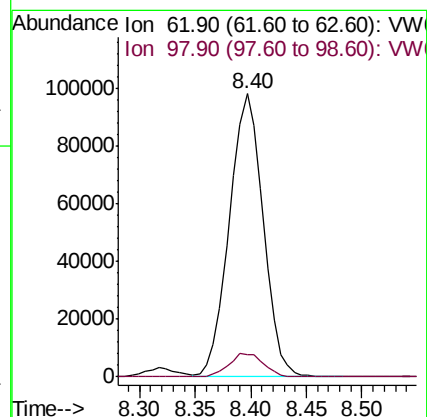
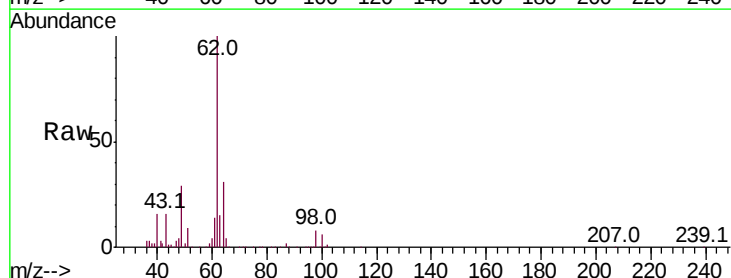
Manual Integrations
APPROVED

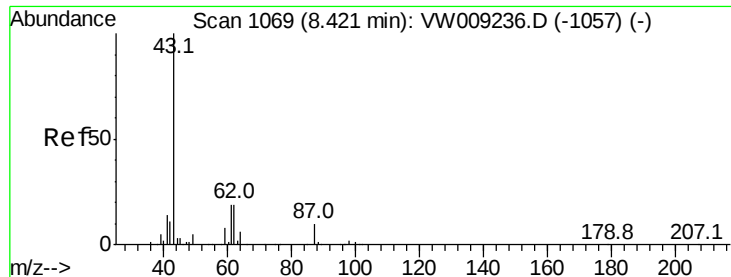
MMDadoda
3/22/2019 3:53:05 AM



#42
1,2-Dichloroethane
Concen: 49.185 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.4





#43

Isopropyl Acetate

Concen: 46.790 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

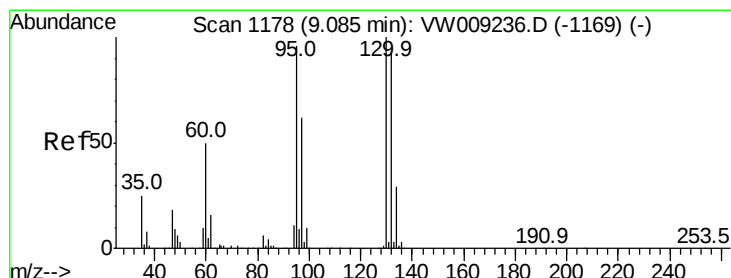
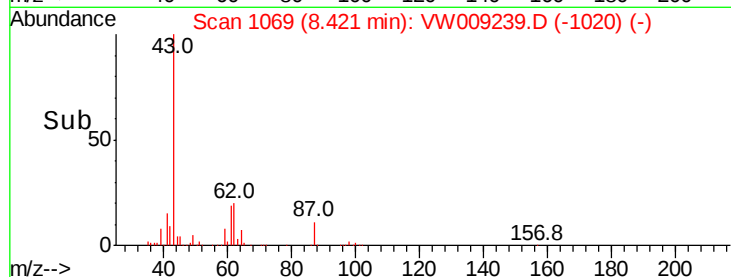
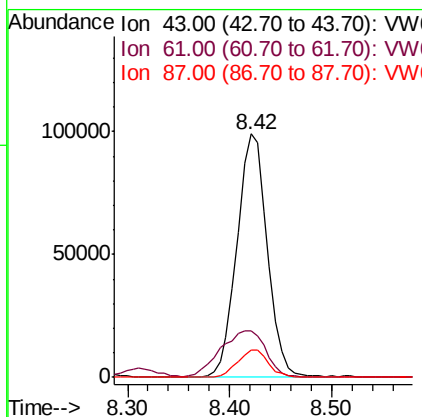
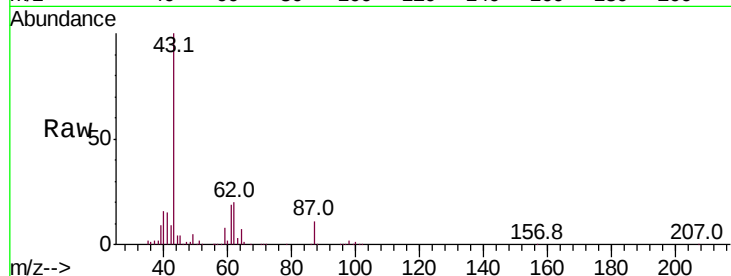
ClientSampleId :

ICVW031918

Tot Ion	43	Resp	203547
Ion Ratio	Lower	Upper	
43	100		
61	28.9	22.2	33.2
87	11.3	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.015 ug/l

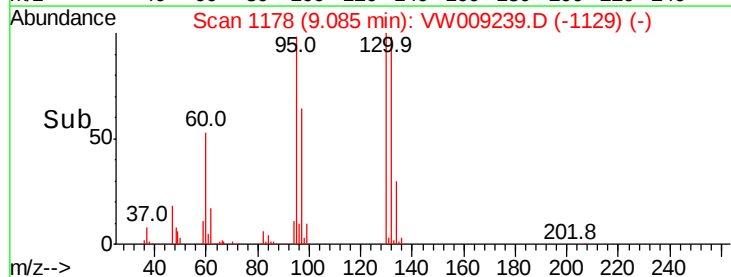
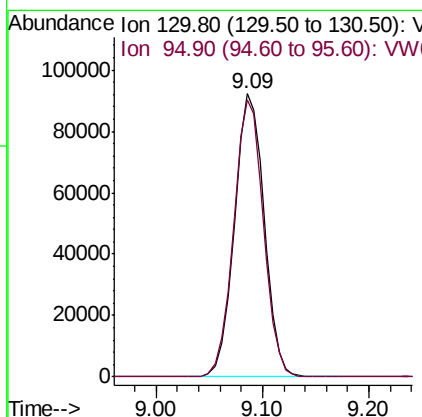
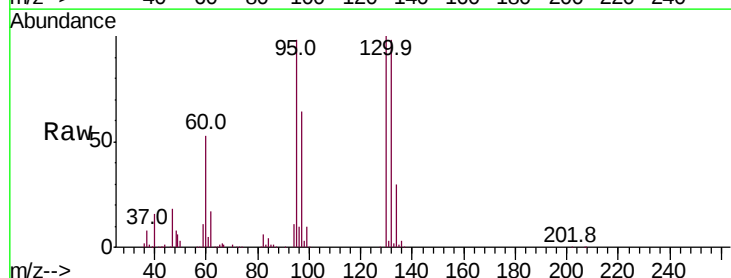
RT: 9.09 min Scan# 1178

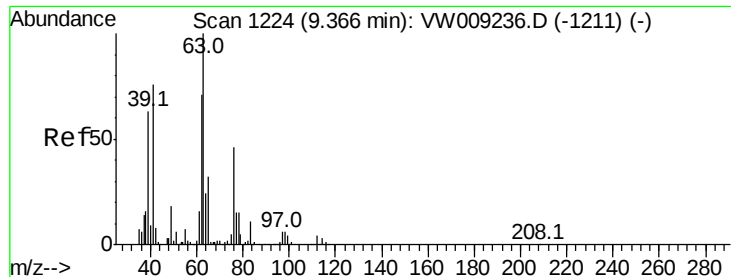
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion	130	Resp	180430
Ion Ratio	Lower	Upper	
130	100		
95	97.8	0.0	192.6





#45

1,2-Dichloropropane

Concen: 50.329 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 63 Resp: 165181

Ion Ratio Lower Upper

63 100

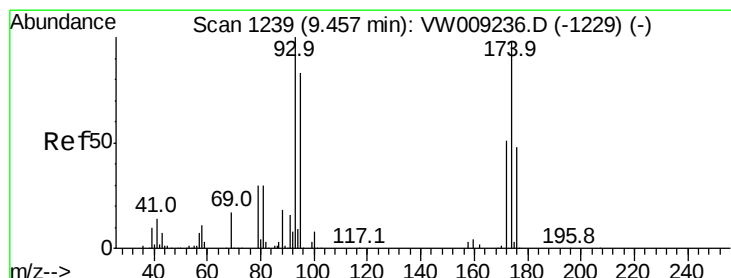
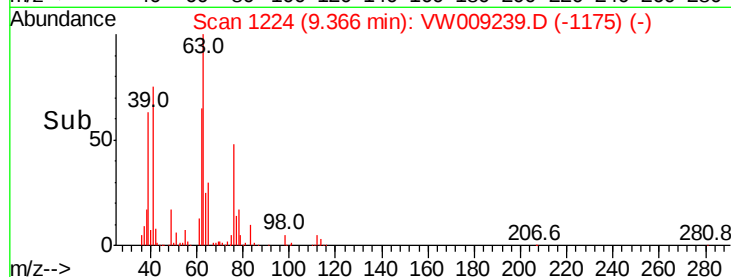
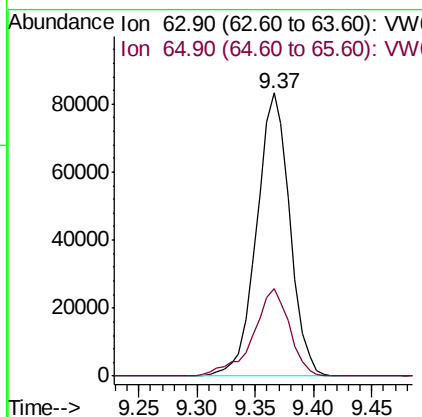
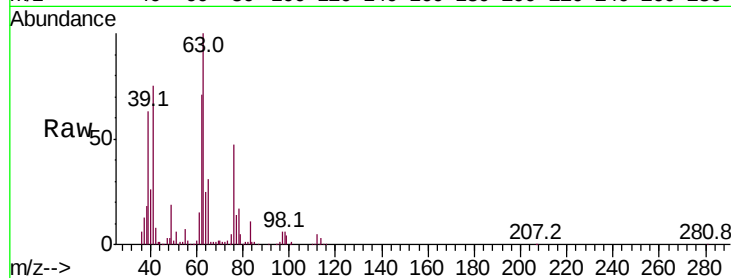
65 30.7 25.8 38.8

Manual Integrations

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MMDadoda

3/22/2019 3:53:05 AM



#46

Dibromomethane

Concen: 47.609 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

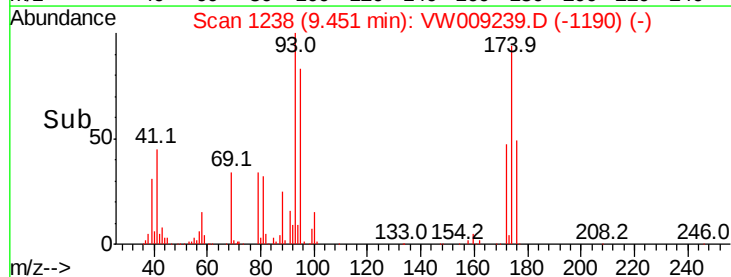
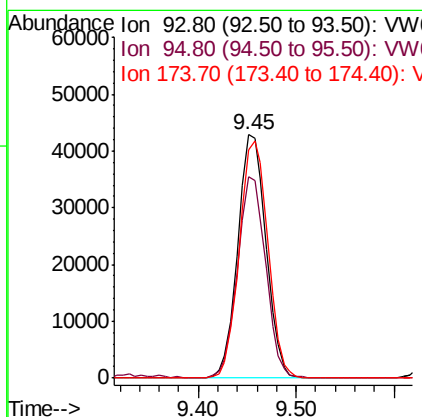
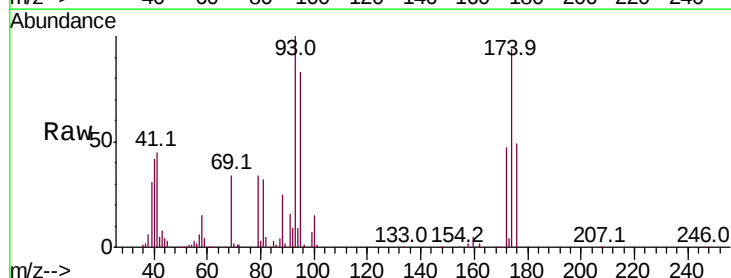
Tgt Ion: 93 Resp: 85924

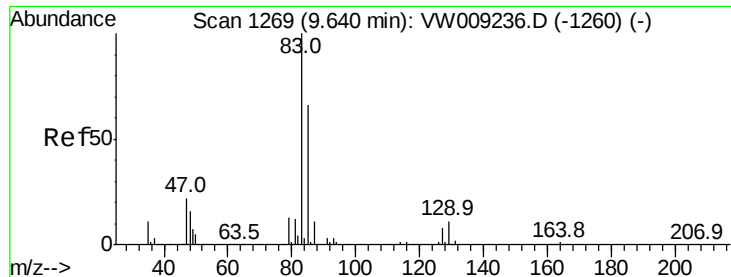
Ion Ratio Lower Upper

93 100

95 82.8 66.9 100.3

174 98.5 80.8 121.2





#47

Bromodichloromethane

Concen: 50.478 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

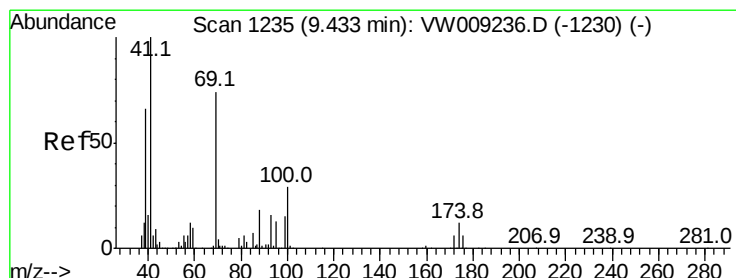
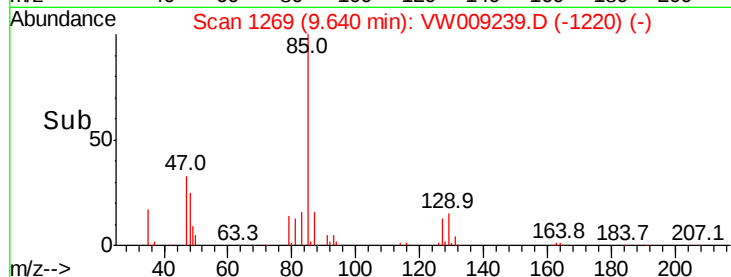
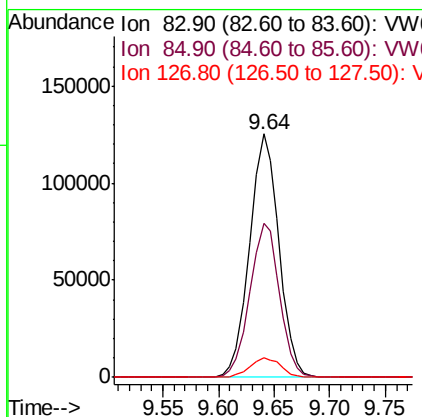
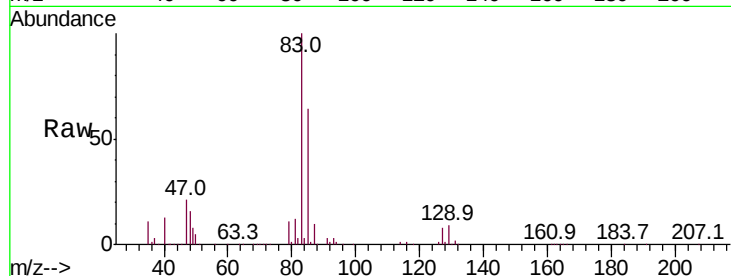
ClientSampleId :

ICVW031918

Tot Ion	83	Resp	230212
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.6	79.0
127	8.0	6.5	9.7

Manual Integrations
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3/22/2019 3:53:05 AM



#48

Methyl methacrylate

Concen: 48.349 ug/l

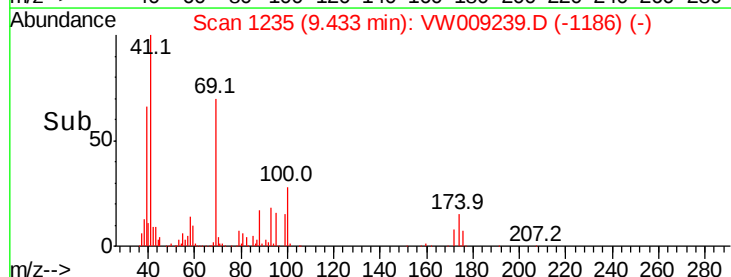
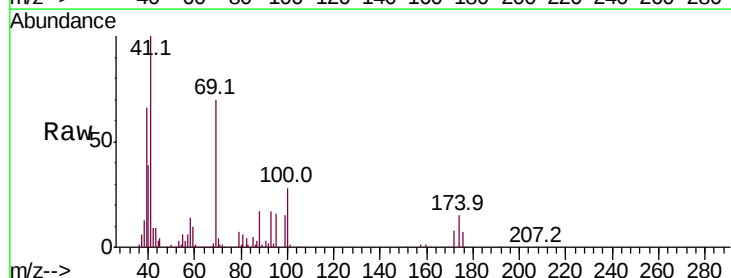
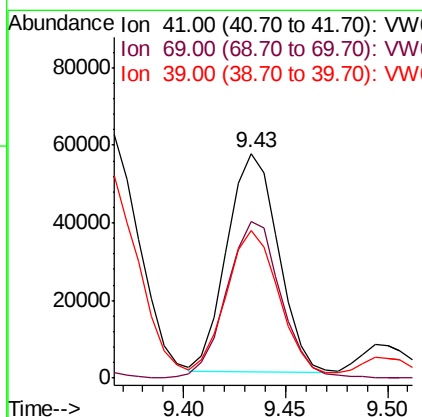
RT: 9.43 min Scan# 1235

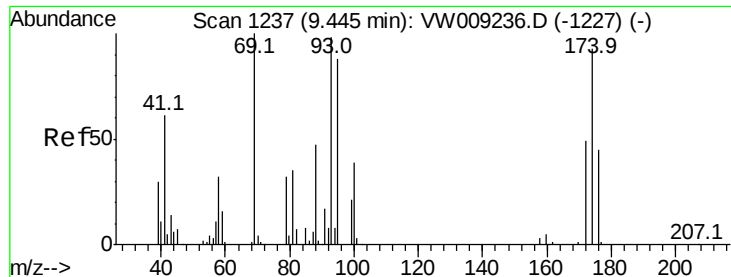
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion	41	Resp	97378
Ion Ratio	Lower	Upper	
41	100		
69	75.8	63.0	94.6
39	66.1	57.2	85.8





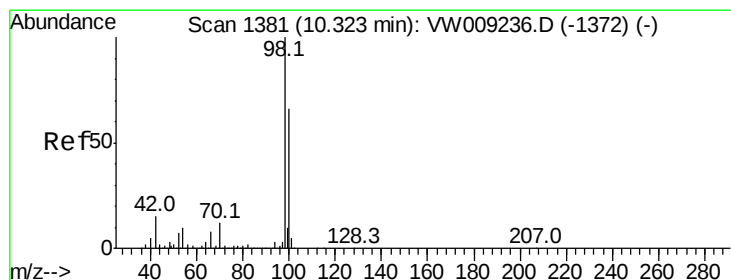
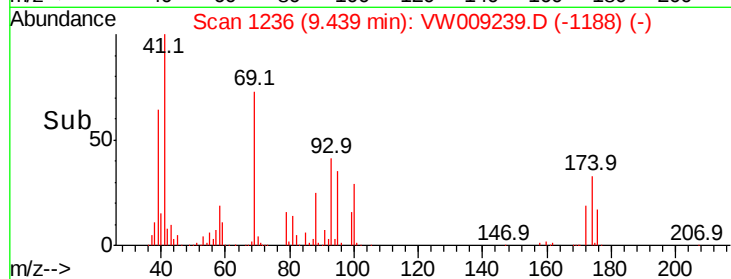
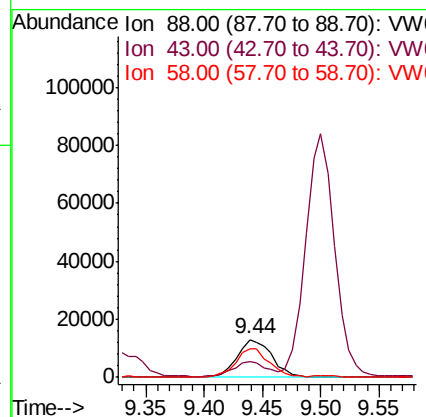
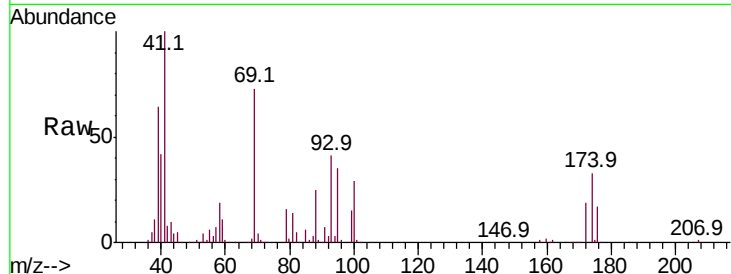
#49
1,4-Dioxane
Concen: 975.520 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	29.7	44.5
58	72.6	58.1	87.1

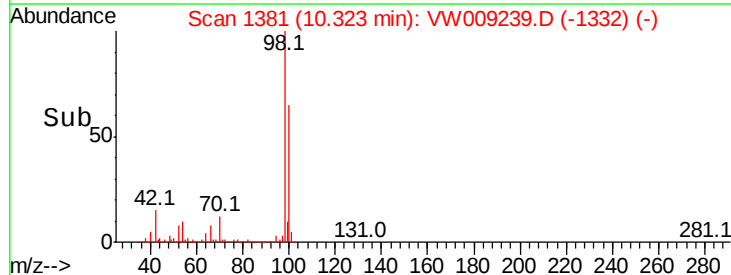
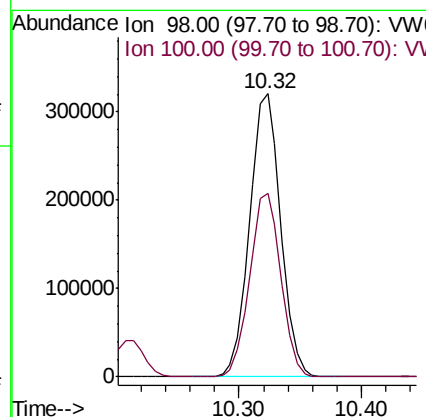
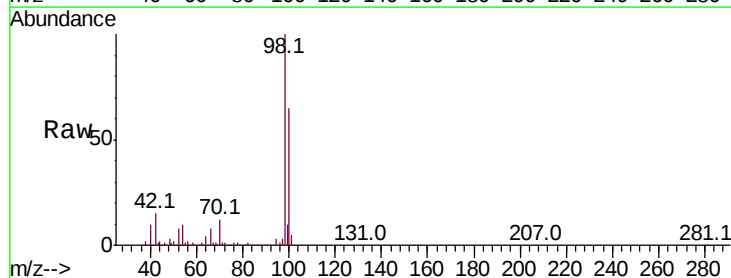
Manual Integrations
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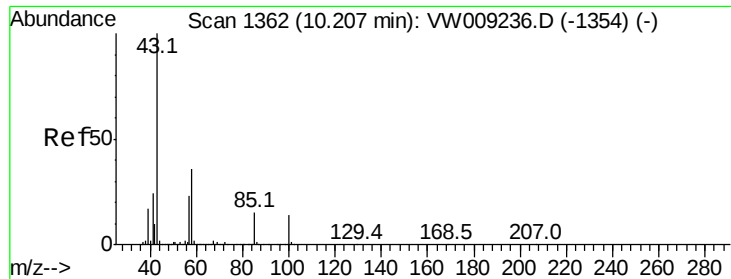
MMDadoda
3/22/2019 3:53:05 AM



#50
Toluene-d8
Concen: 51.244 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 230.112 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 43 Resp: 521701

Ion Ratio Lower Upper

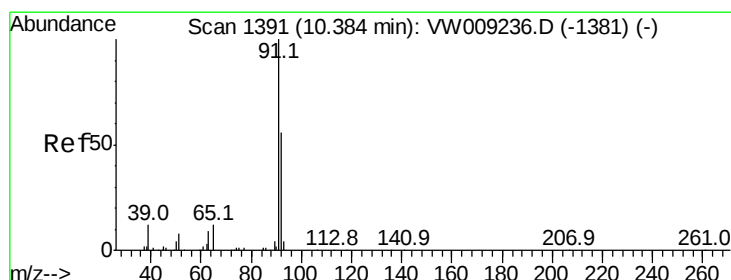
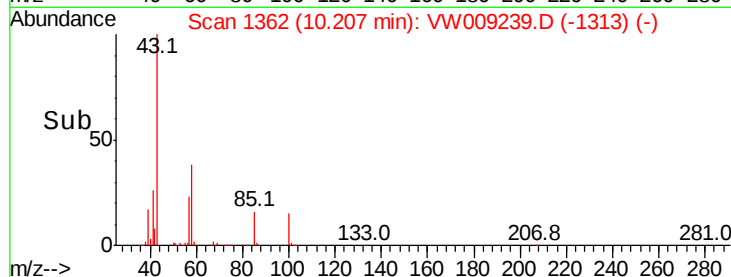
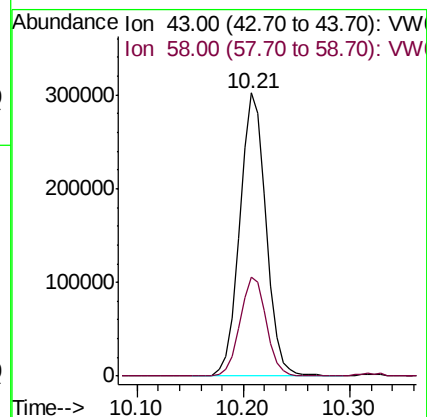
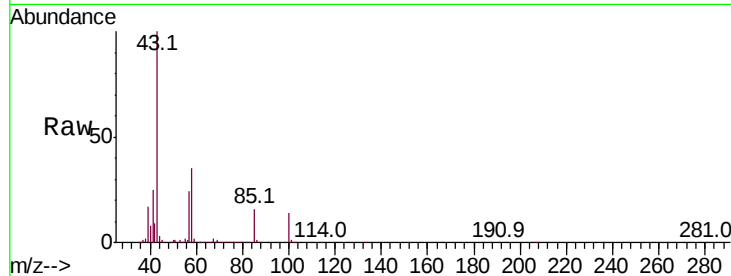
43 100

58 35.2 28.6 42.8

Manual Integrations
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3/22/2019 3:53:05 AM



#52

Toluene

Concen: 52.852 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009239.D

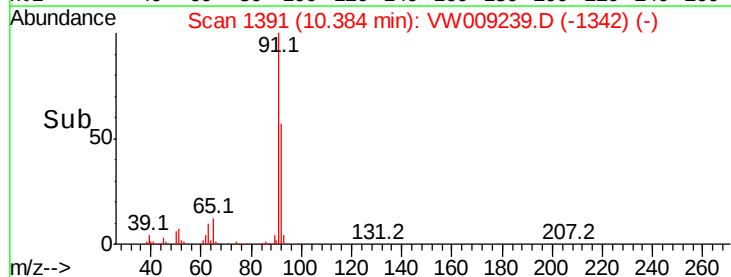
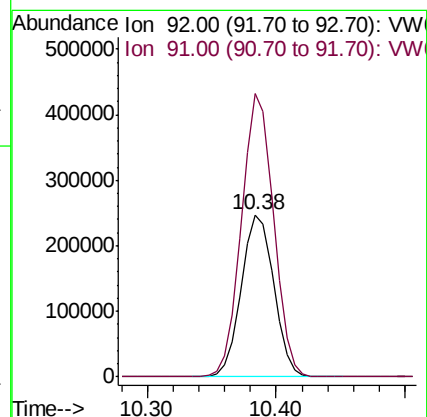
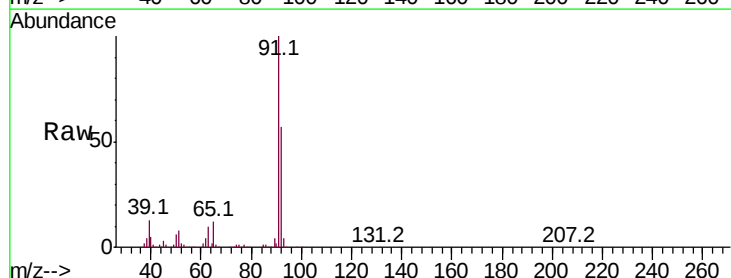
Acq: 19 Mar 2019 13:53

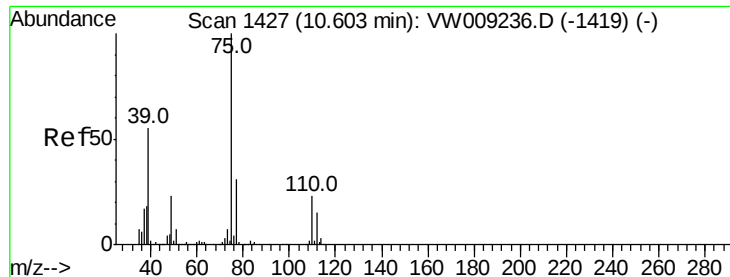
Tgt Ion: 92 Resp: 432359

Ion Ratio Lower Upper

92 100

91 172.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 51.229 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 75 Resp: 227834

Ion Ratio Lower Upper

75 100

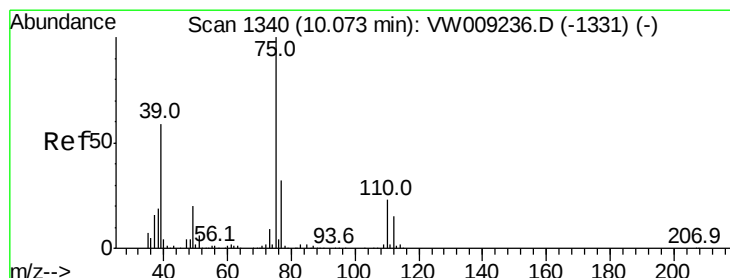
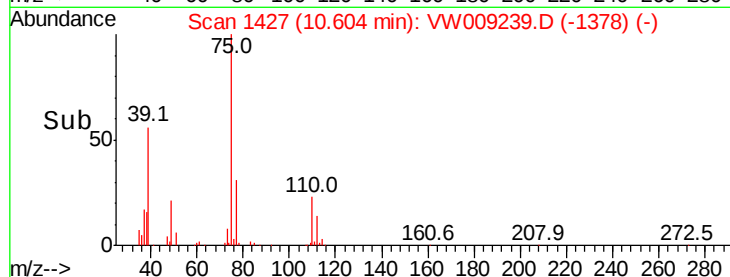
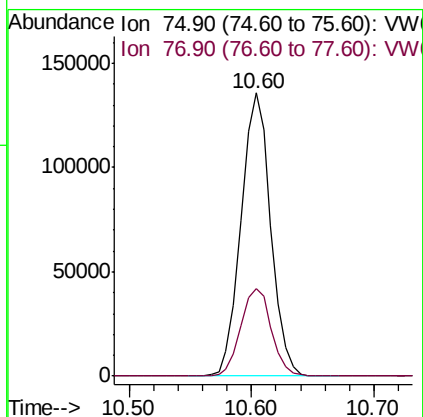
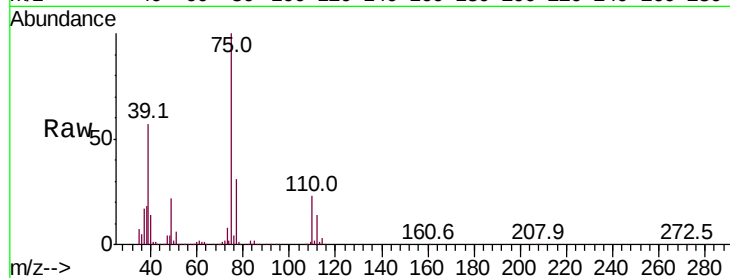
77 30.8 24.8 37.2

Manual Integrations

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3/22/2019 3:53:05 AM



#54

cis-1,3-Dichloropropene

Concen: 51.714 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

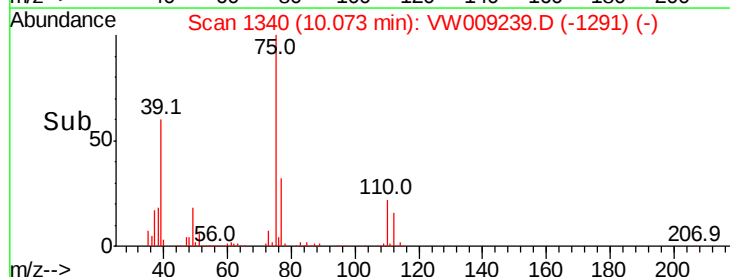
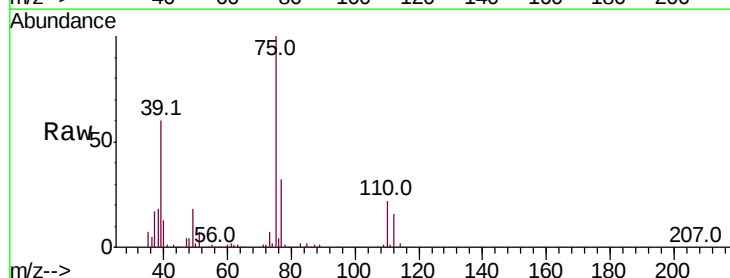
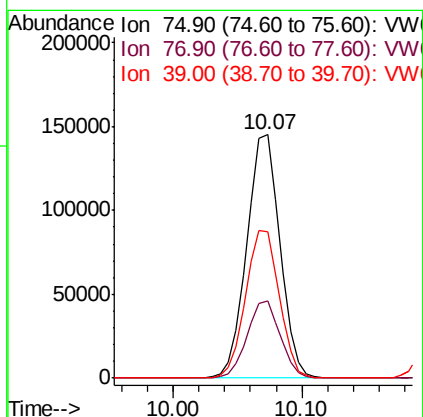
Tgt Ion: 75 Resp: 258746

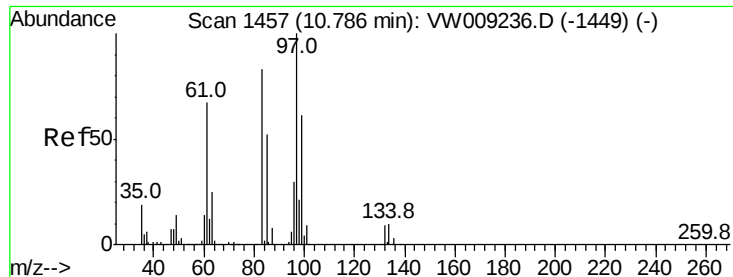
Ion Ratio Lower Upper

75 100

77 31.7 25.9 38.9

39 60.1 46.8 70.2





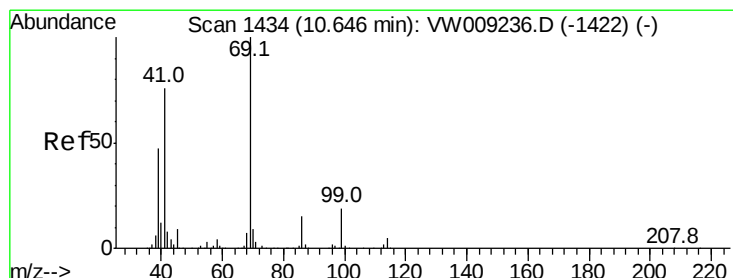
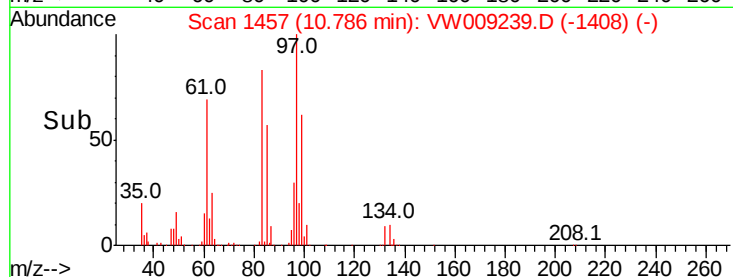
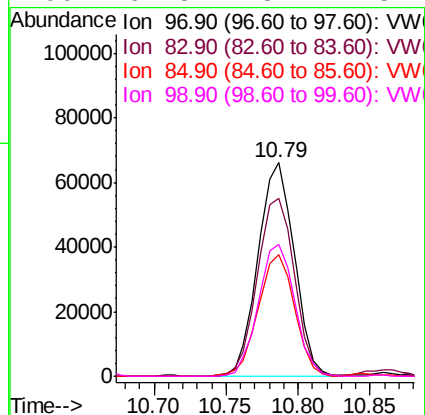
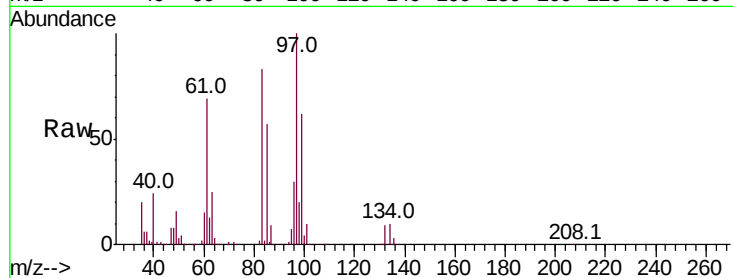
#55
 1,1,2-Trichloroethane
 Concen: 47.328 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW031918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115661		
83	83.1	66.3	99.5		
85	57.0	41.4	62.2		
99	61.8	48.7	73.1		

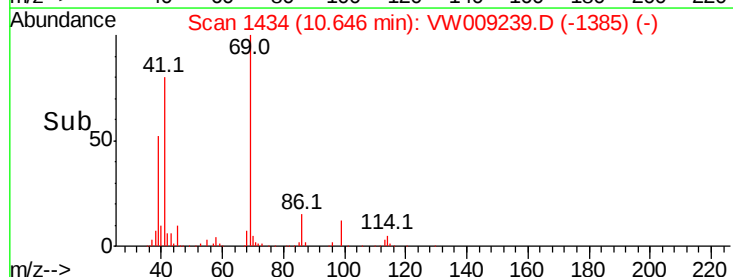
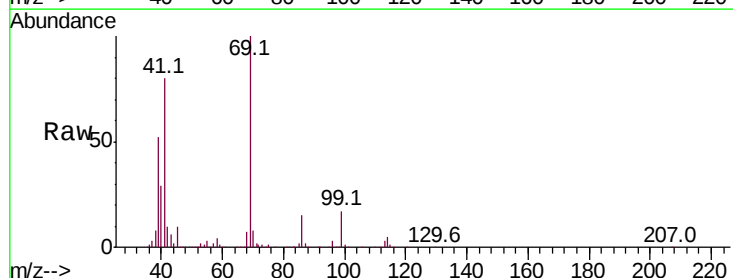
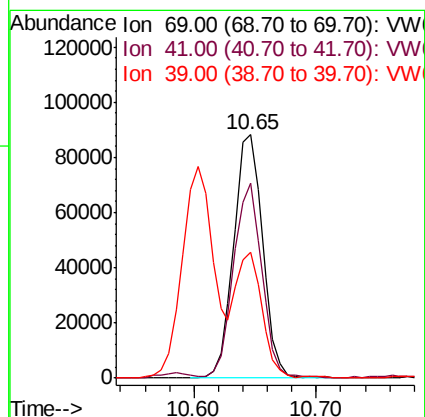
Manual Integrations
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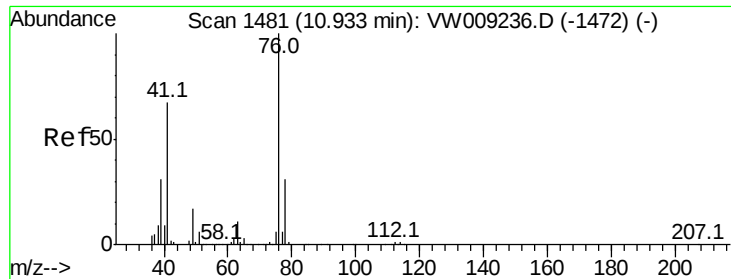
MMDadoda
 3/22/2019 3:53:05 AM



#56
 Ethyl methacrylate
 Concen: 49.347 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		143598		
41	78.2	59.3	88.9		
39	46.6	36.2	54.2		





#57

1,3-Dichloropropane

Concen: 48.801 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 76 Resp: 205698

Ion Ratio Lower Upper

76 100

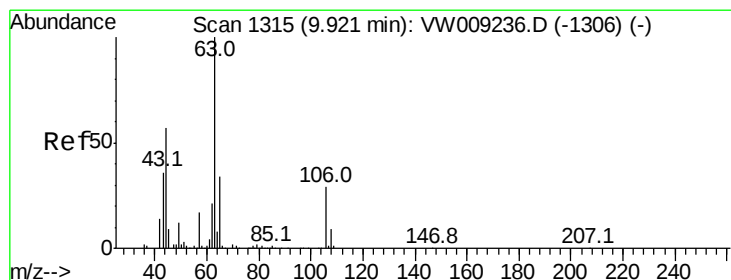
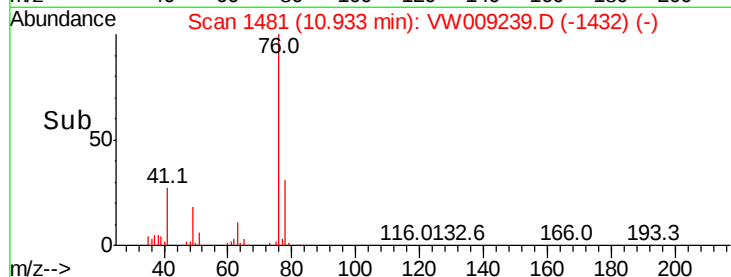
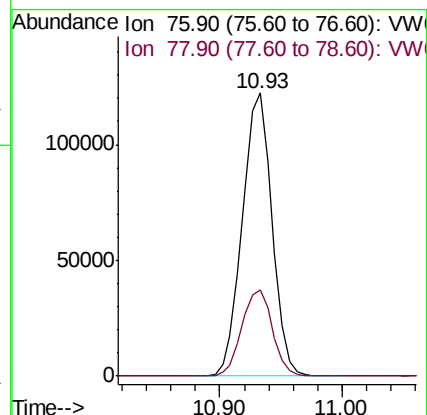
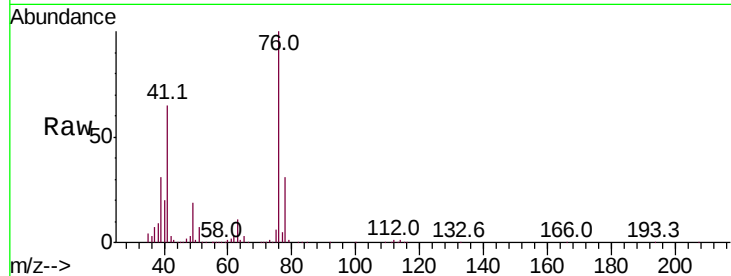
78 31.5 25.8 38.6

Manual Integrations

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MMDadoda

3/22/2019 3:53:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.307 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009239.D

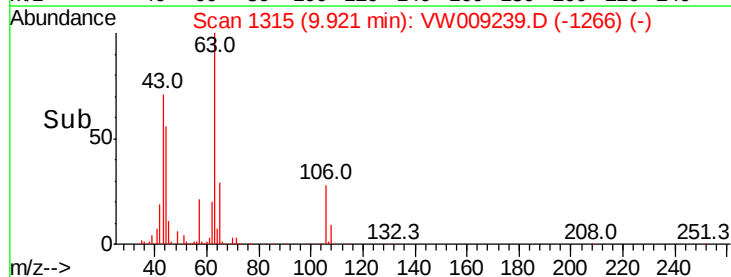
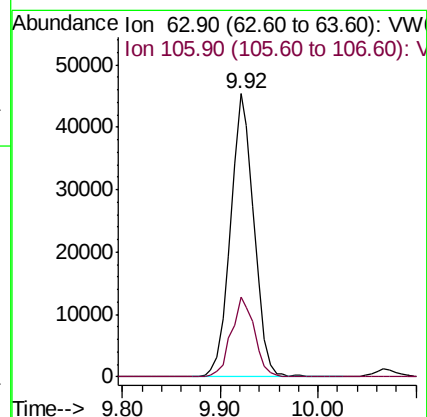
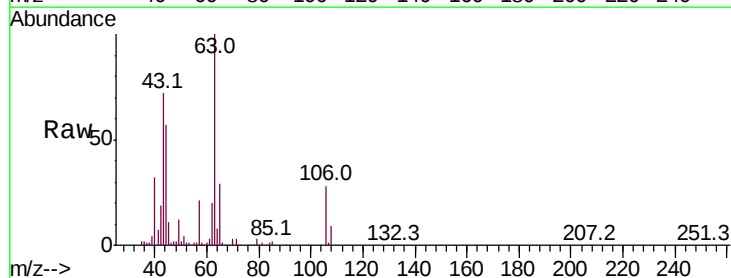
Acq: 19 Mar 2019 13:53

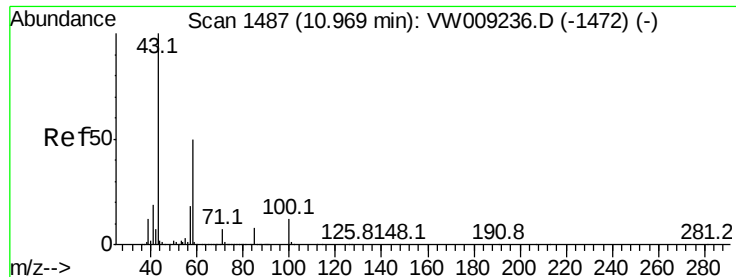
Tgt Ion: 63 Resp: 75189

Ion Ratio Lower Upper

63 100

106 28.2 22.9 34.3





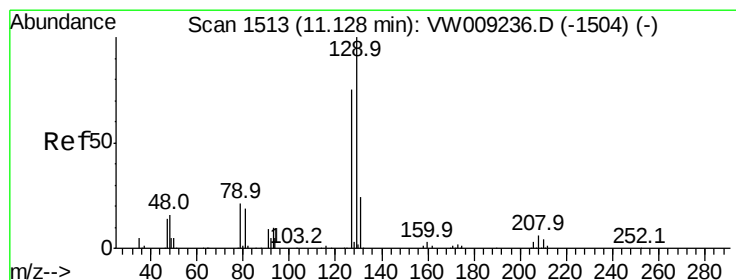
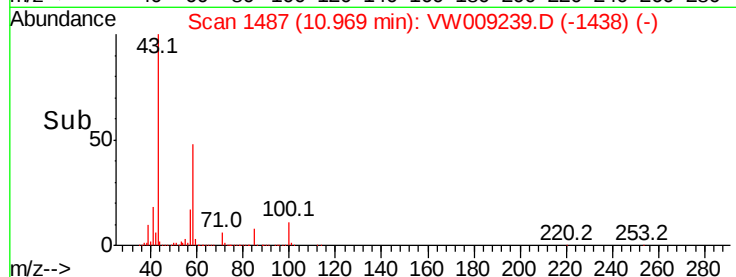
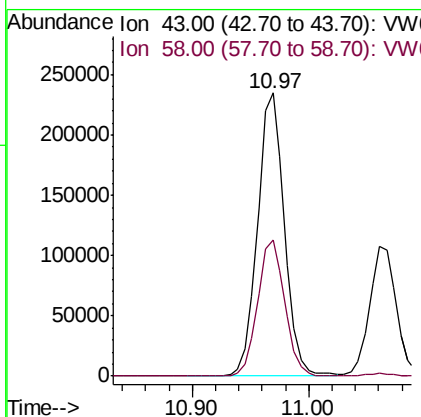
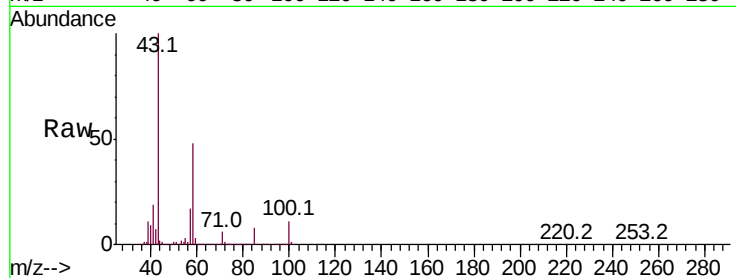
#59
2-Hexanone
Concen: 244.984 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.2	72.6

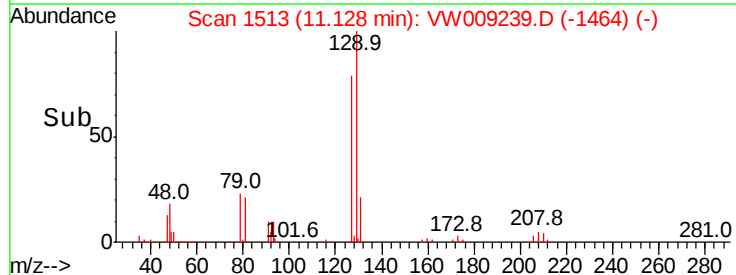
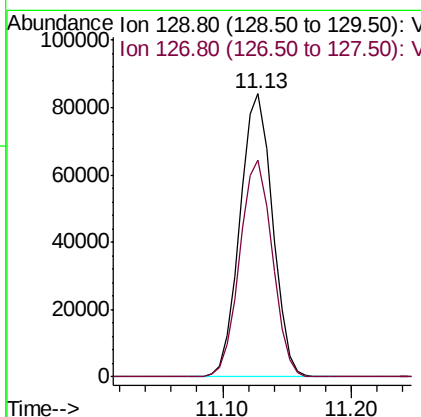
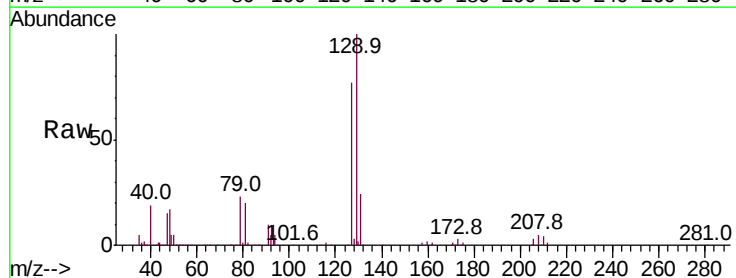
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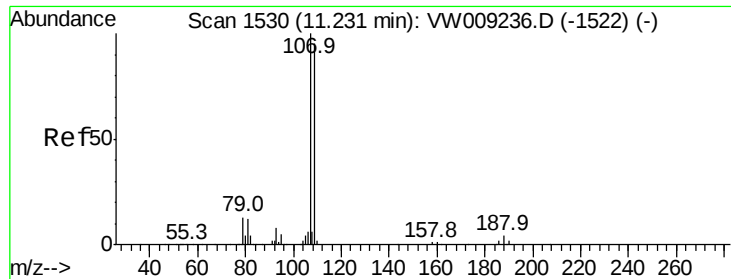
MMDadoda
3/22/2019 3:53:05 AM



#60
Dibromochloromethane
Concen: 48.633 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.5





#61

1,2-Dibromoethane

Concen: 47.999 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 107 Resp: 111722

Ion Ratio Lower Upper

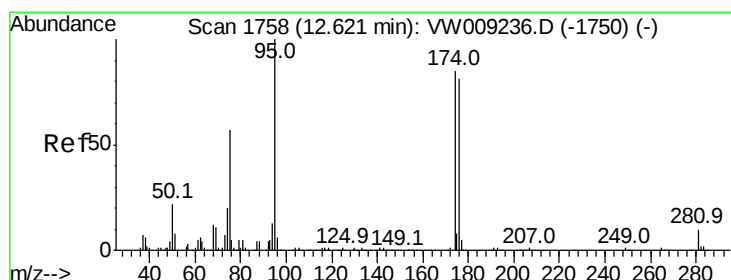
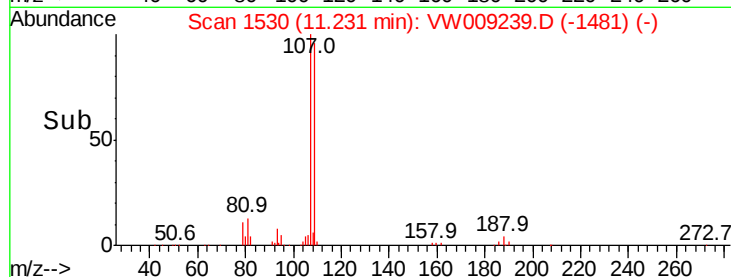
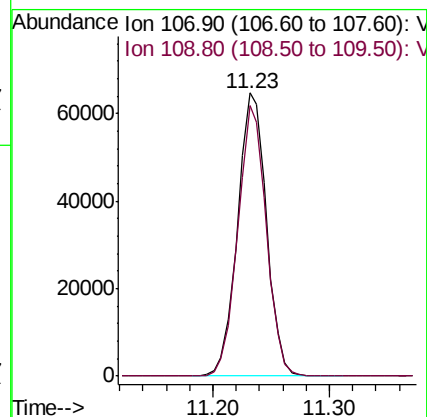
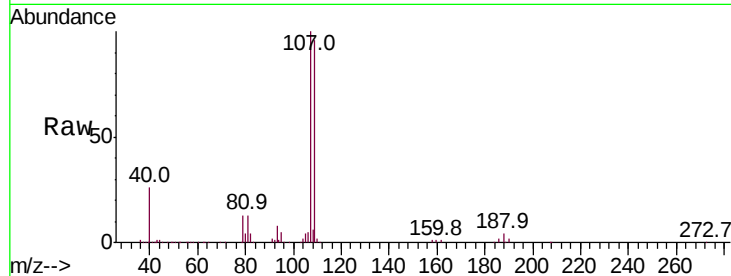
107 100

109 94.3 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 50.689 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

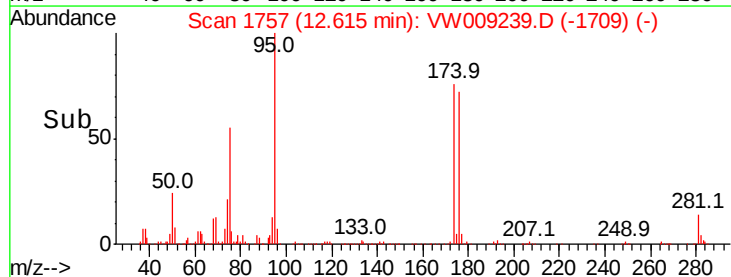
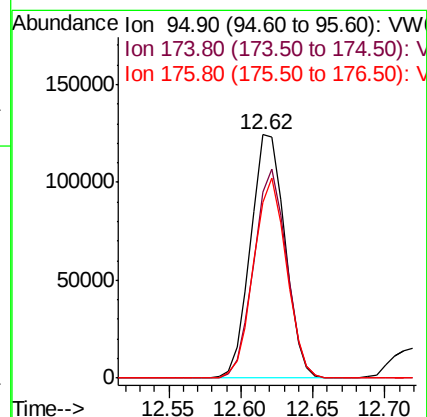
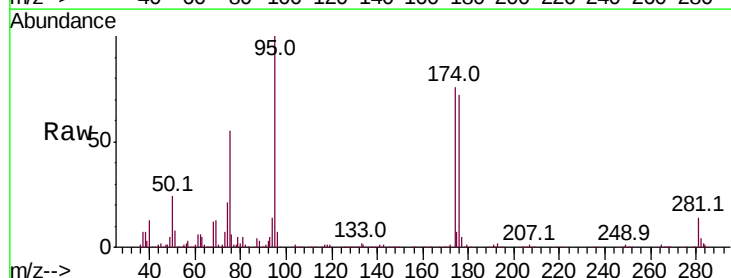
Tgt Ion: 95 Resp: 205268

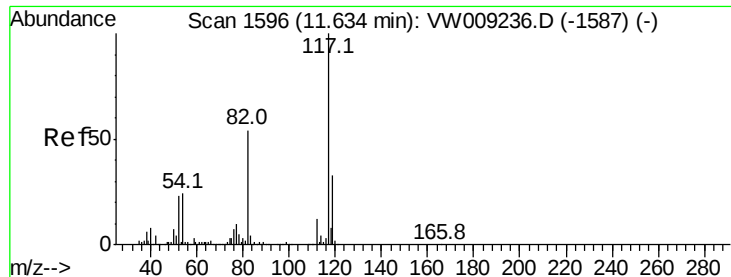
Ion Ratio Lower Upper

95 100

174 81.8 0.0 168.4

176 78.7 0.0 161.6





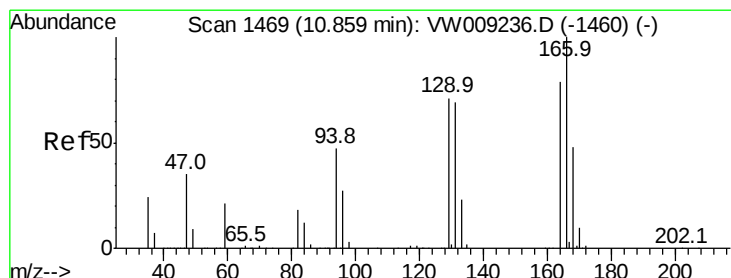
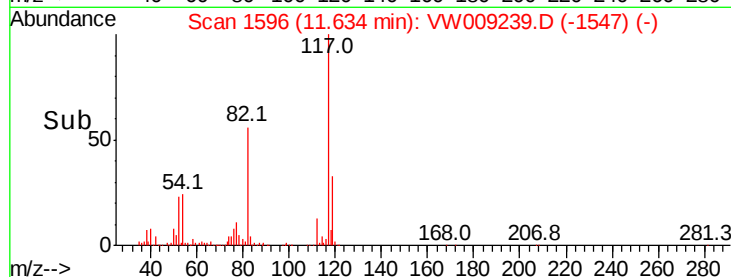
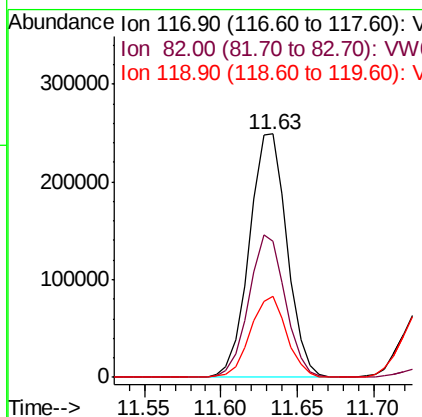
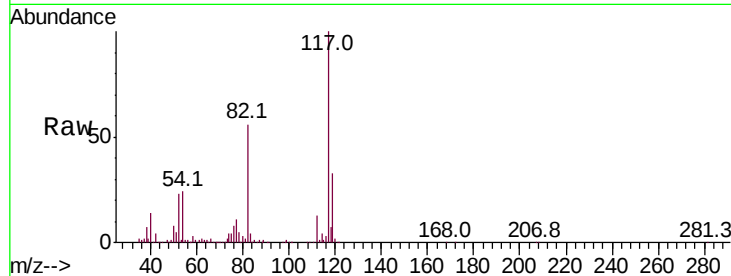
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Resp	Lower	Upper
117	100	42685		
82	55.9	43.6	65.4	
119	33.2	26.0	39.0	

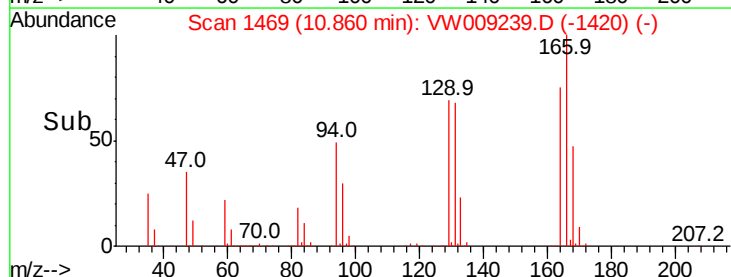
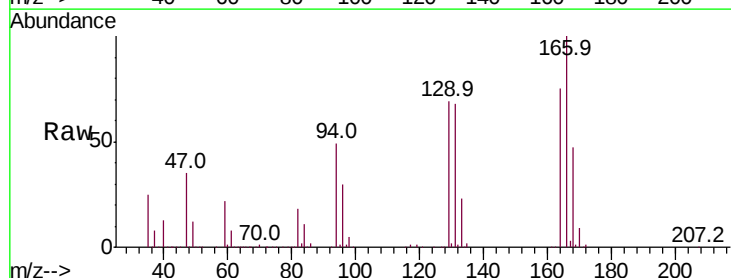
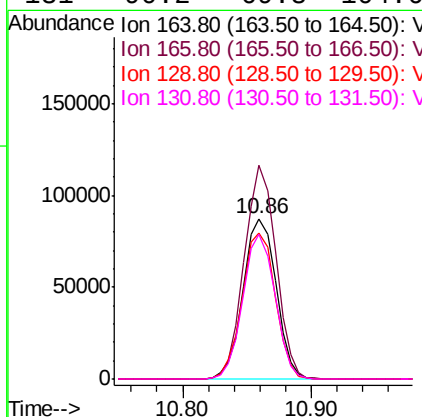
Manual Integrations
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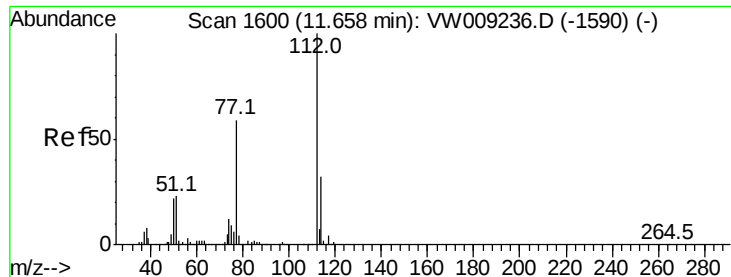
MMDadoda
3/22/2019 3:53:05 AM



#64
Tetrachloroethene
Concen: 52.772 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154206		
166	133.3	100.9	151.3	
129	91.4	72.0	108.0	
131	90.2	69.8	104.6	





#65

Chlorobenzene

Concen: 52.184 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion:112 Resp: 460487

Ion Ratio Lower Upper

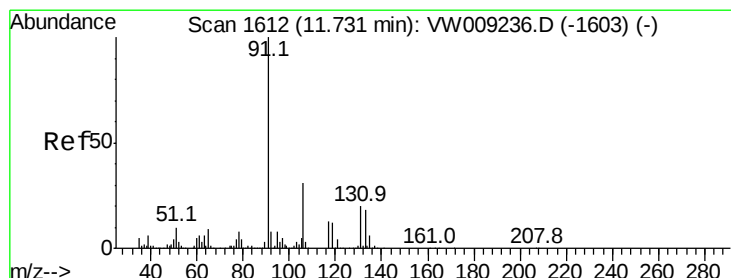
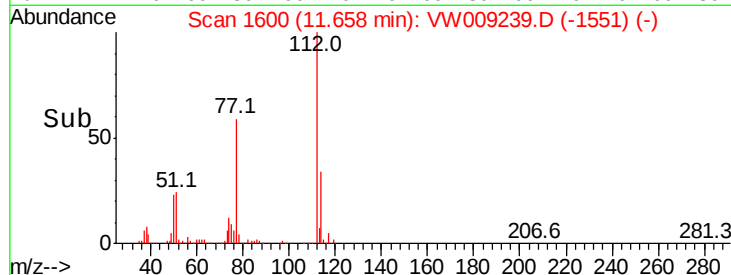
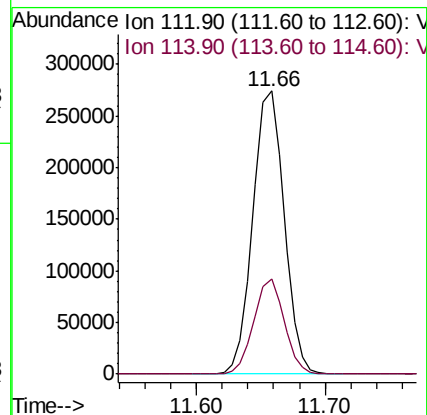
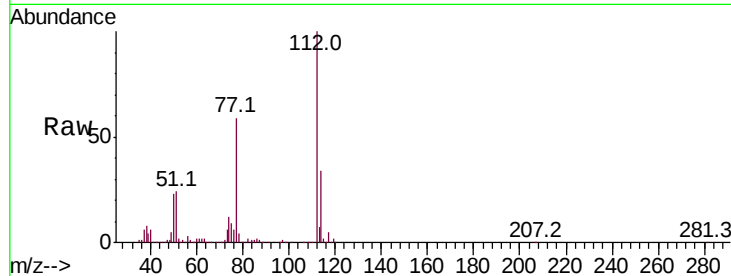
112 100

114 33.7 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.014 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

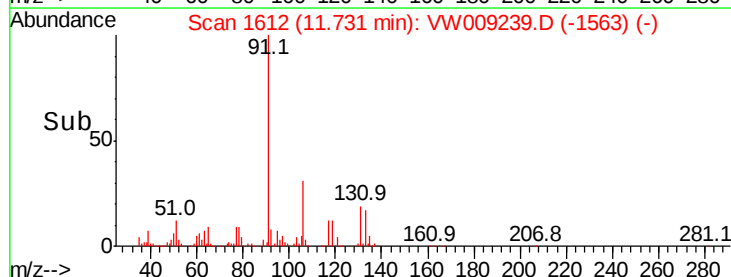
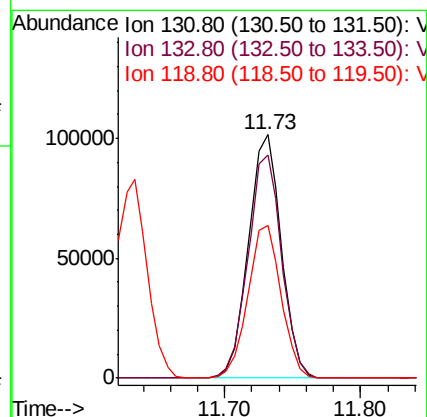
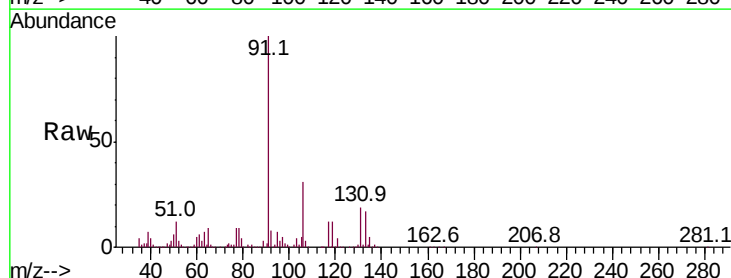
Tgt Ion:131 Resp: 171443

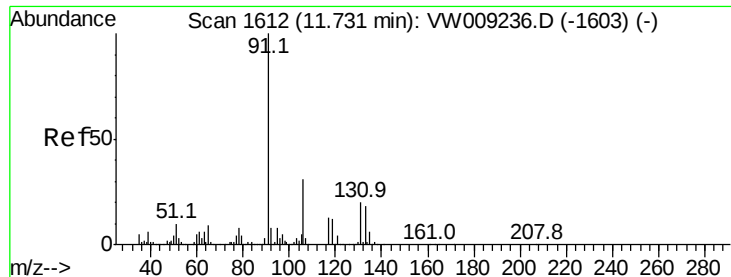
Ion Ratio Lower Upper

131 100

133 94.4 47.3 141.8

119 63.6 31.6 95.0





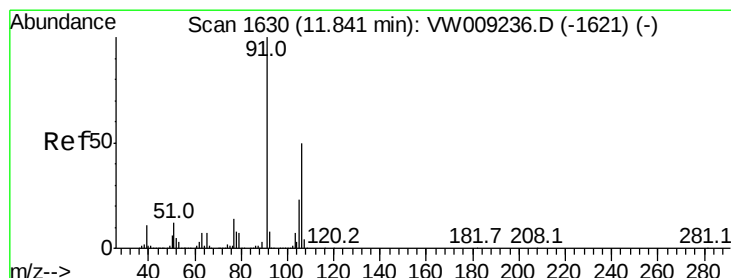
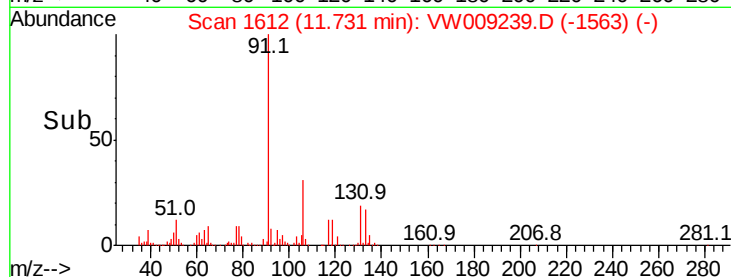
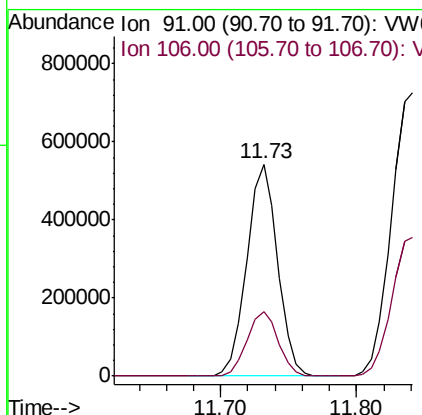
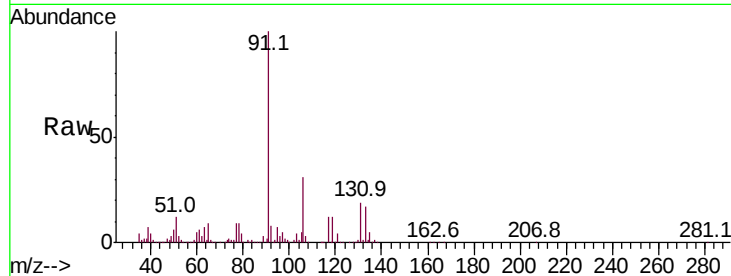
#67
Ethyl Benzene
Concen: 56.224 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.6	24.6	36.8	

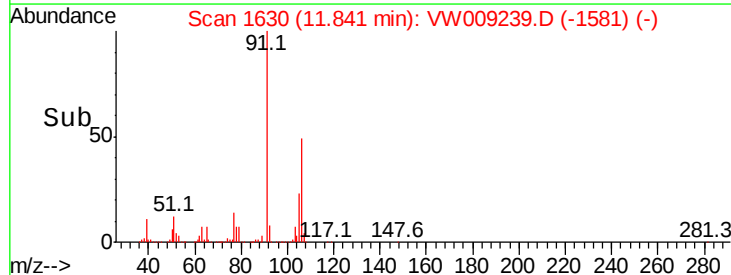
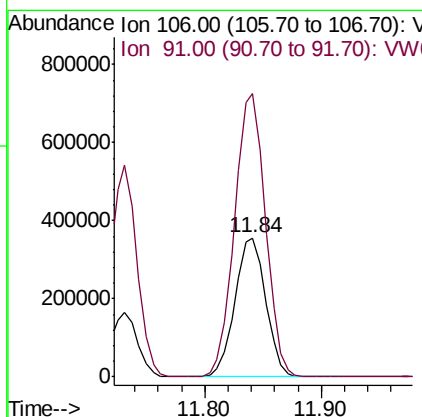
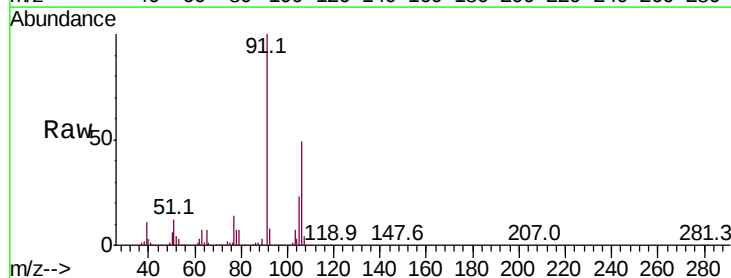
Manual Integrations
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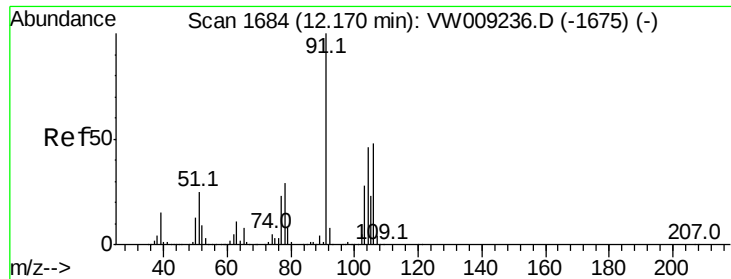
MMDadoda
3/22/2019 3:53:05 AM



#68
m/p-Xylenes
Concen: 111.097 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.2	163.1	244.7	





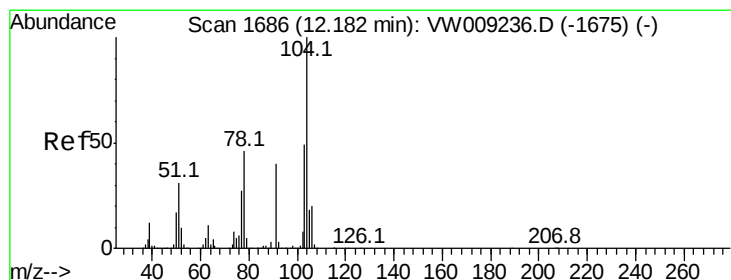
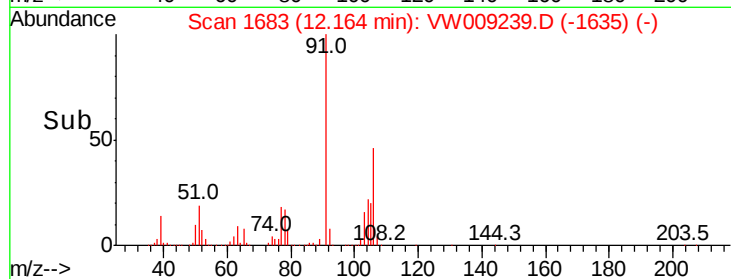
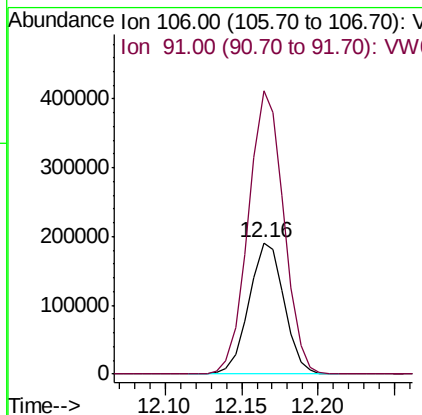
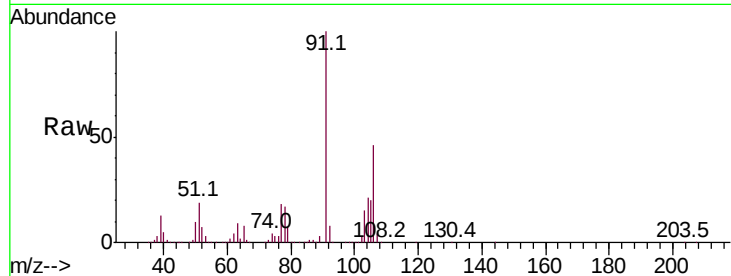
#69
o-Xylene
Concen: 55.675 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.6	108.6	325.8

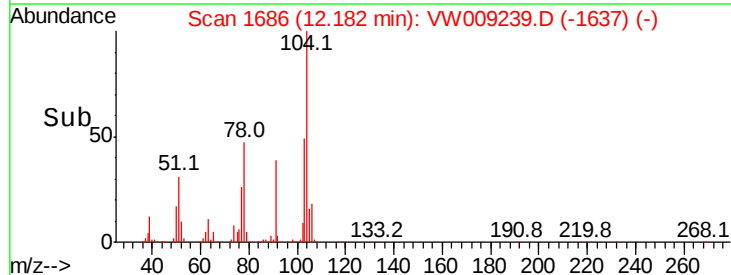
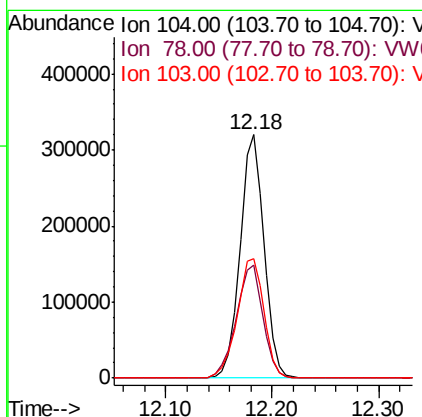
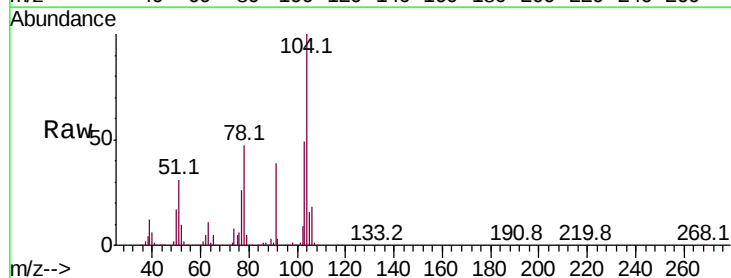
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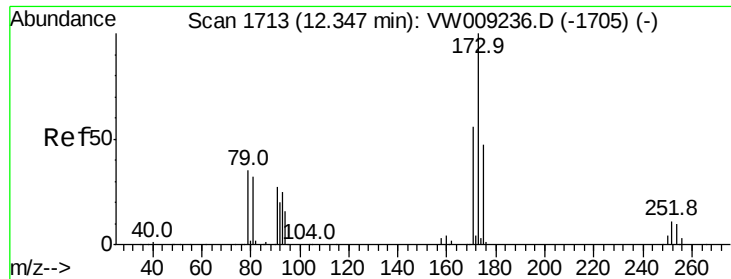
MMDadoda
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#70
Styrene
Concen: 55.661 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	55.0	44.6	66.8





#71

Bromoform

Concen: 49.386 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion:173 Resp: 88913

Ion Ratio Lower Upper

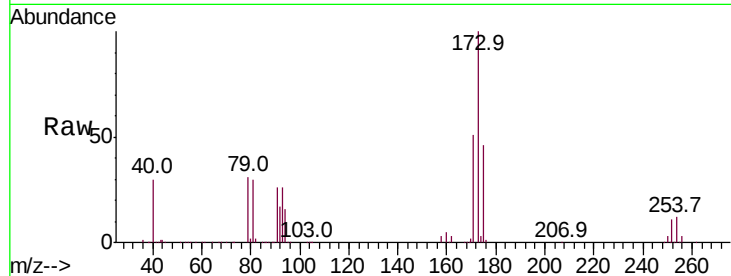
173 100

175 46.7 24.1 72.4

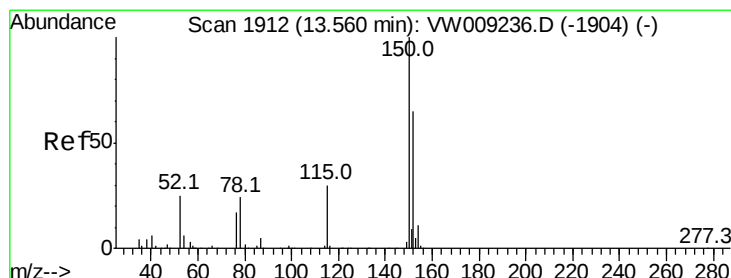
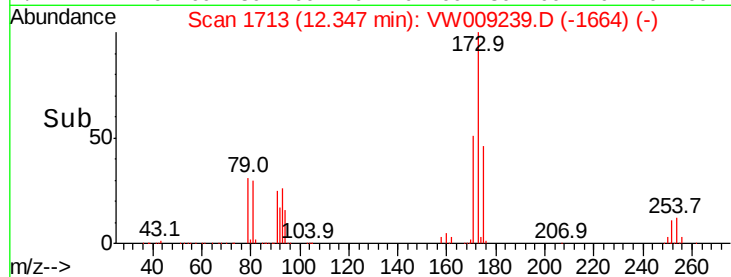
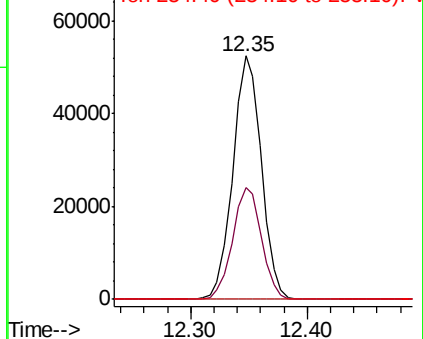
254 0.2 0.2 0.4#

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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: VW009239.D

Acq: 19 Mar 2019 13:53

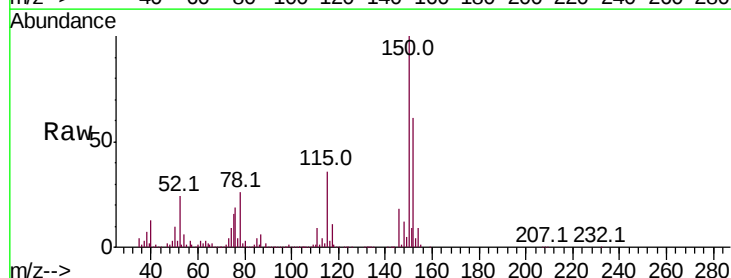
Tgt Ion:152 Resp: 230940

Ion Ratio Lower Upper

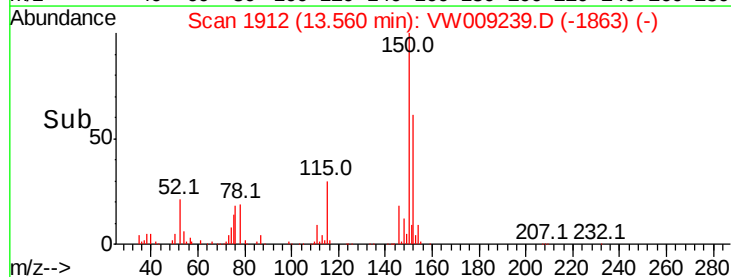
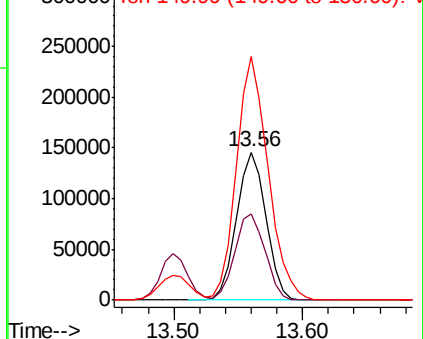
152 100

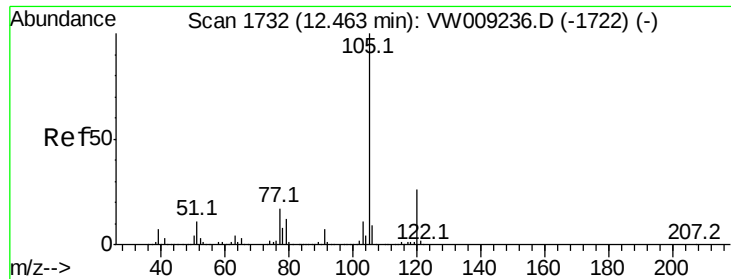
115 59.5 29.6 88.8

150 177.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 57.755 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion:105 Resp: 891488

Ion Ratio Lower Upper

105 100

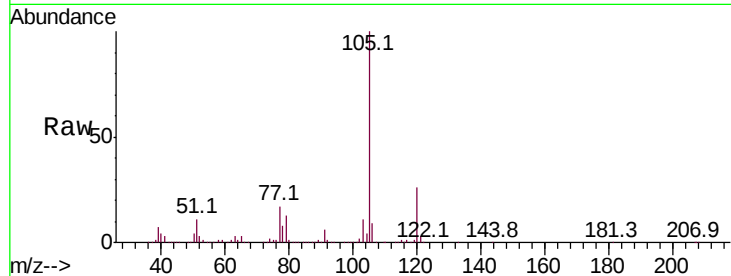
120 26.3 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

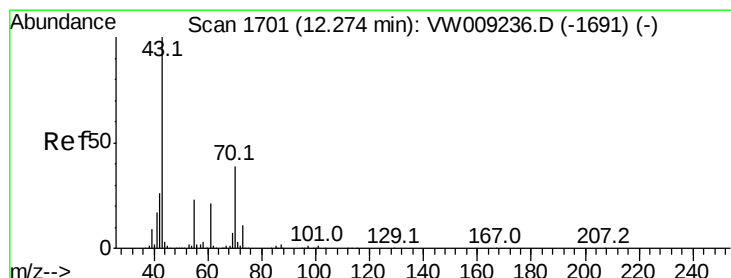
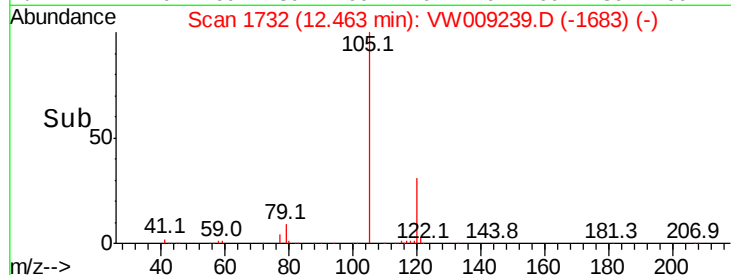
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.033 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion: 43 Resp: 201452

Ion Ratio Lower Upper

43 100

70 37.6 30.6 46.0

55 23.7 19.3 28.9

61 22.1 17.0 25.4

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

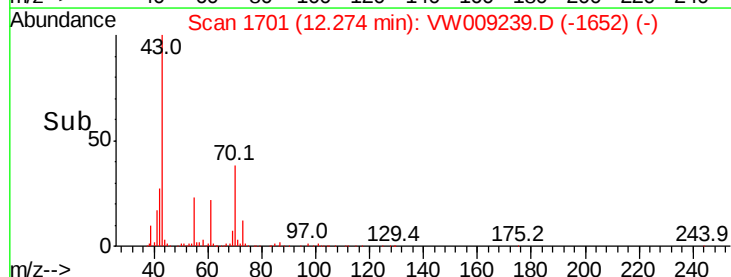
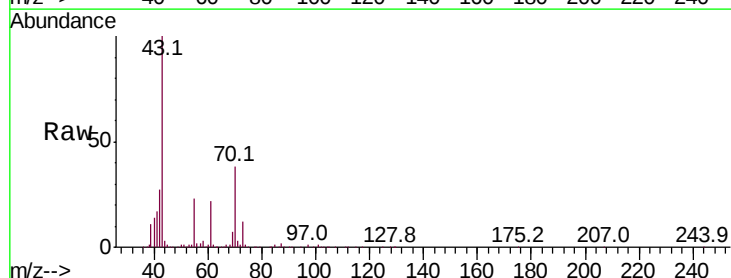
150000

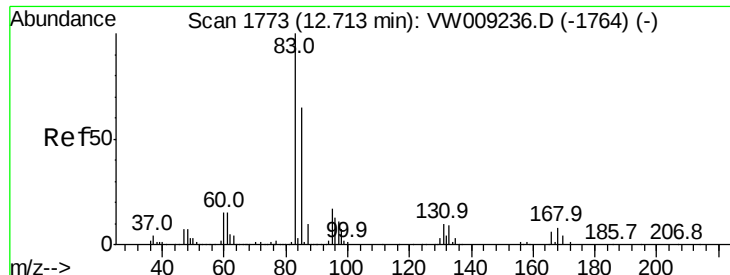
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.669 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion: 83 Resp: 137639

Ion Ratio Lower Upper

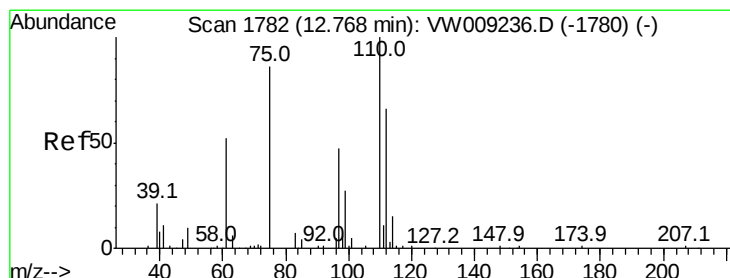
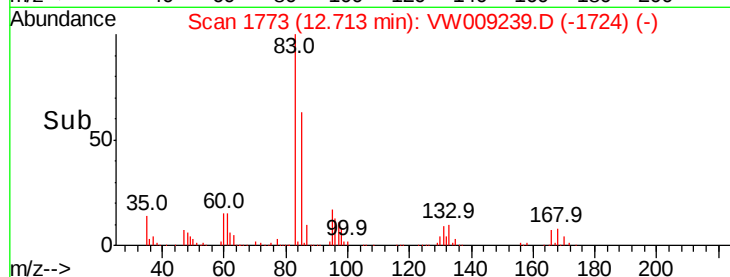
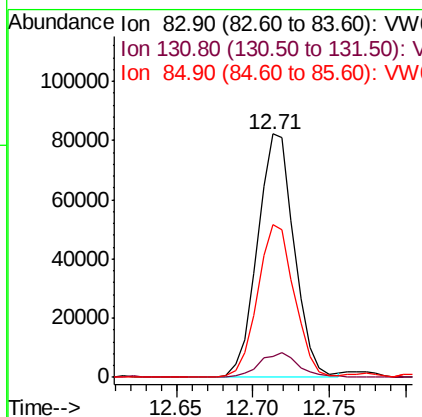
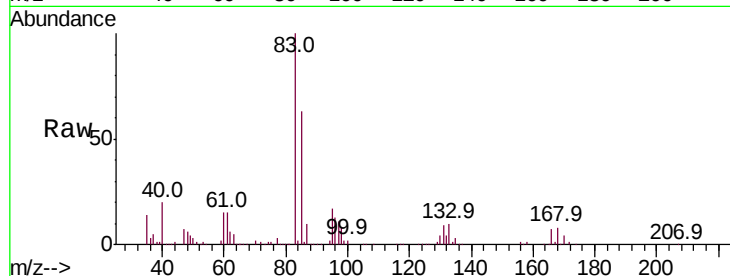
83 100

131 10.8 5.3 16.1

85 62.8 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 44.757 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009239.D

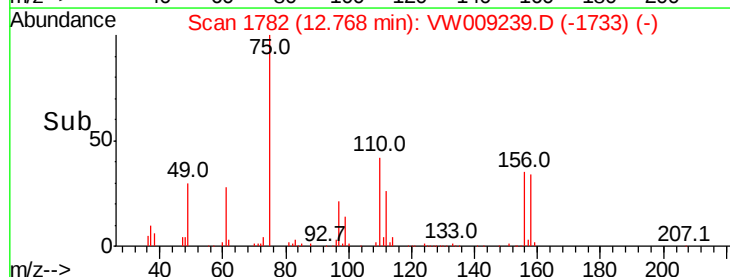
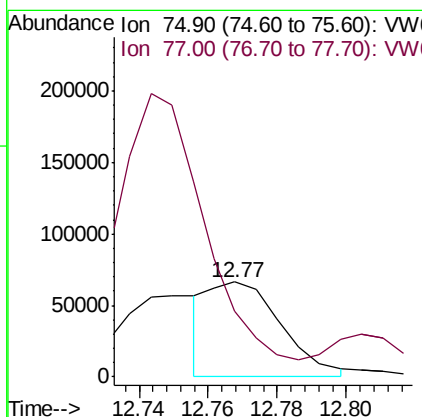
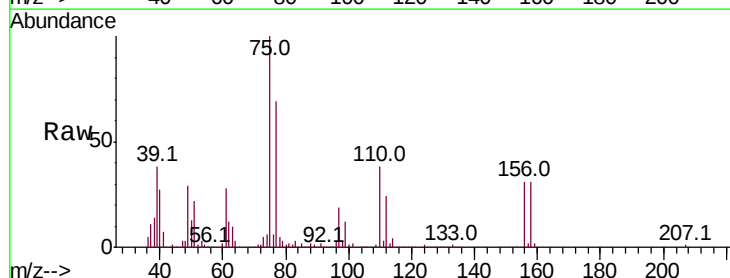
Acq: 19 Mar 2019 13:53

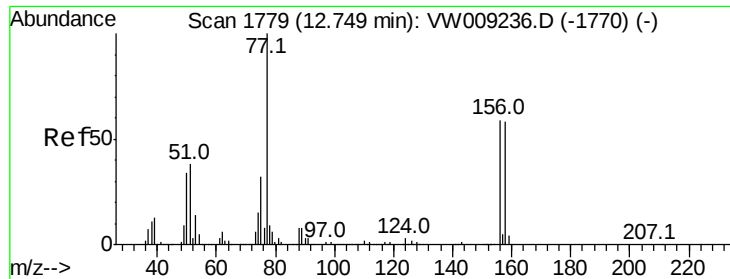
Tgt Ion: 75 Resp: 97132

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





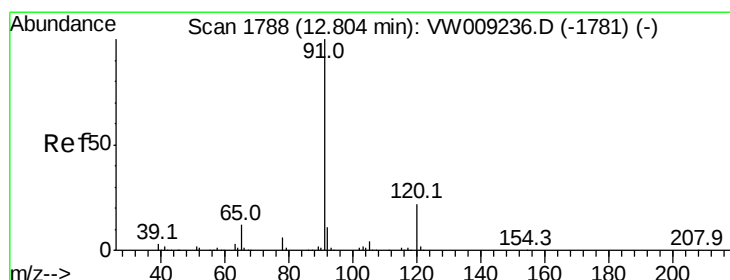
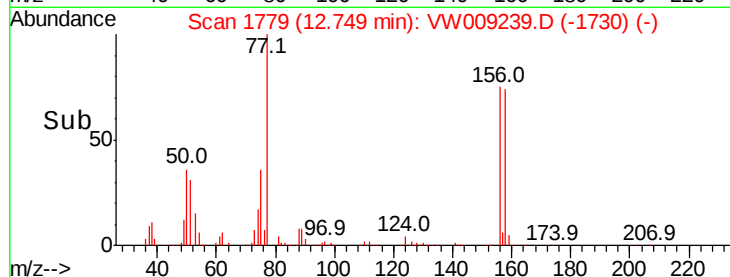
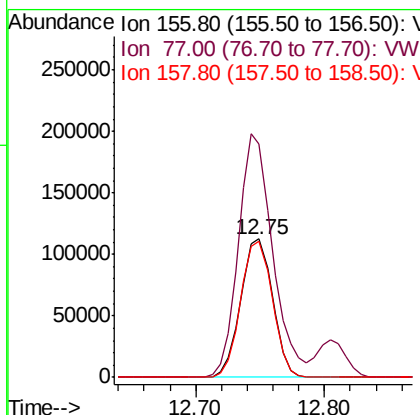
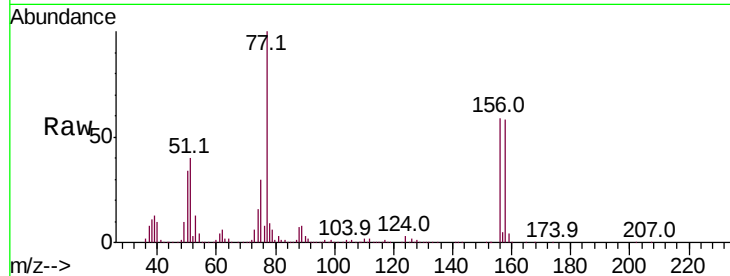
#77
Bromobenzene
Concen: 52.654 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.1	96.0	288.0
158	98.1	49.1	147.3

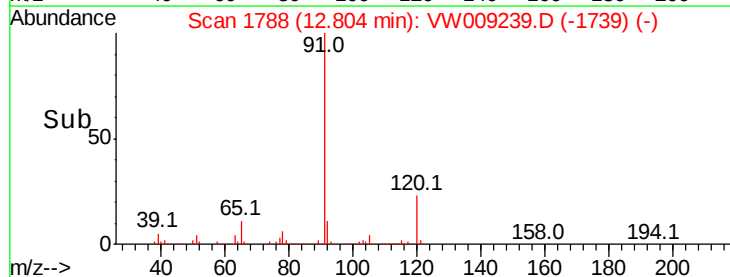
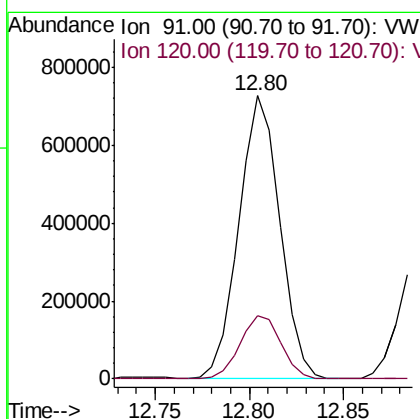
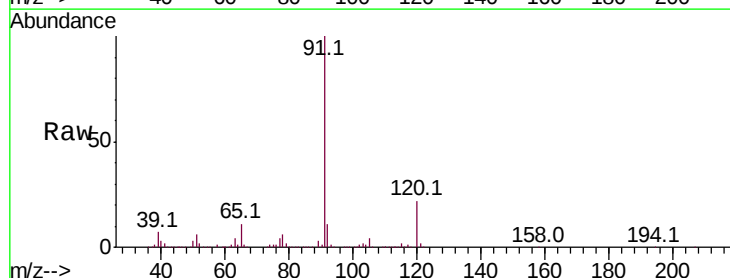
Manual Integrations
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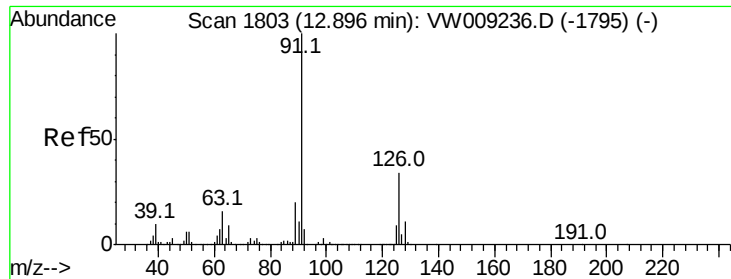
MMDadoda
3/22/2019 3:53:05 AM



#78
n-propylbenzene
Concen: 57.814 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3





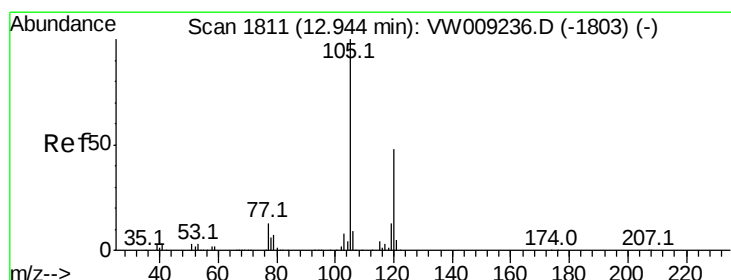
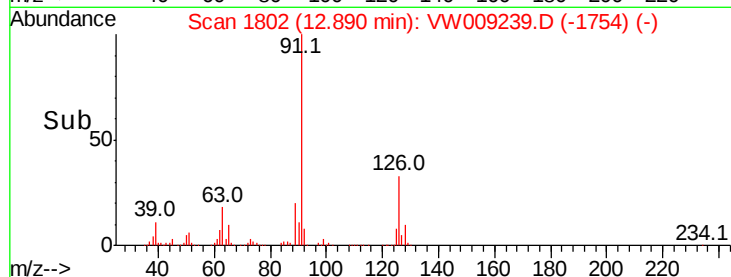
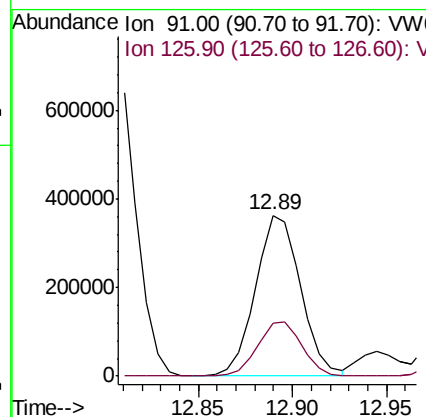
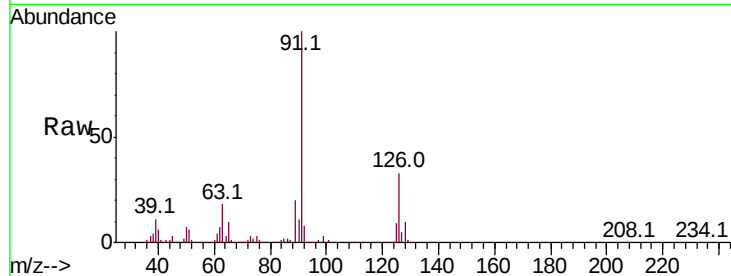
#79
2-Chlorotoluene
Concen: 55.928 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion: 91 Resp: 602315
Ion Ratio Lower Upper
91 100
126 33.1 17.0 51.0

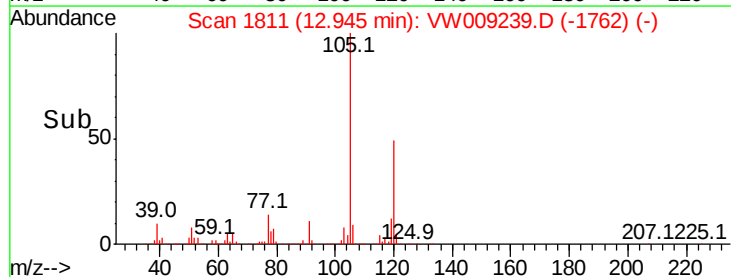
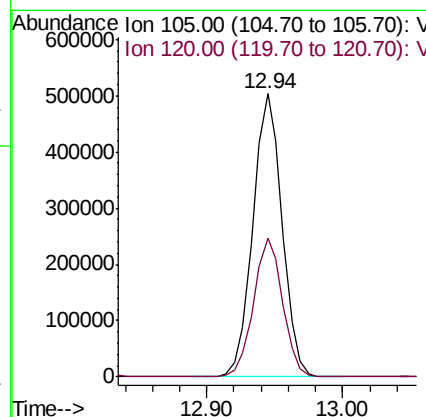
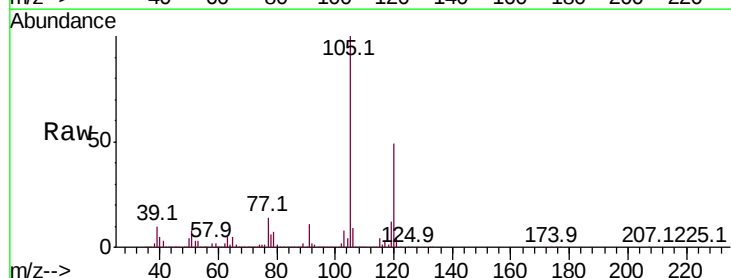
Manual Integrations
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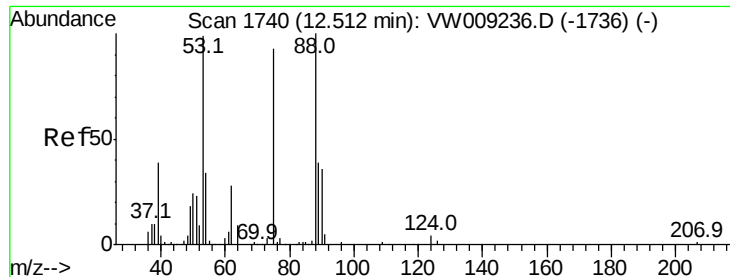
MMDadoda
3/22/2019 3:53:05 AM



#80
1,3,5-Trimethylbenzene
Concen: 57.501 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion:105 Resp: 754803
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0





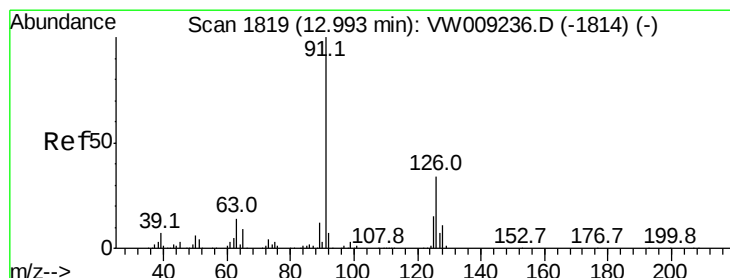
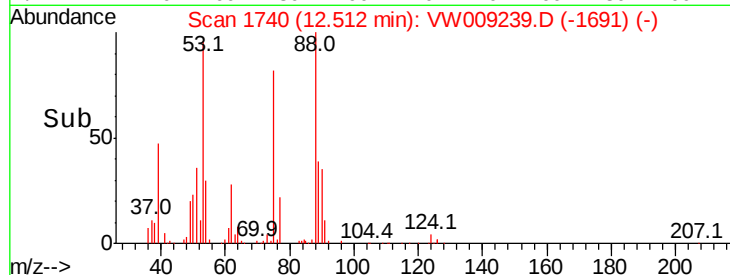
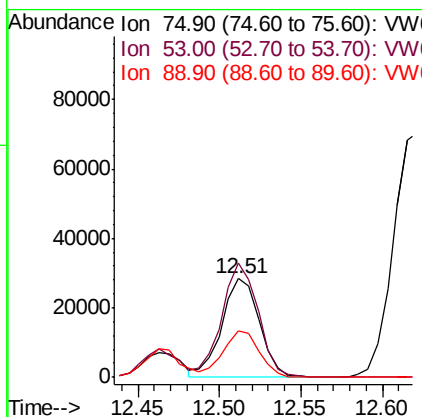
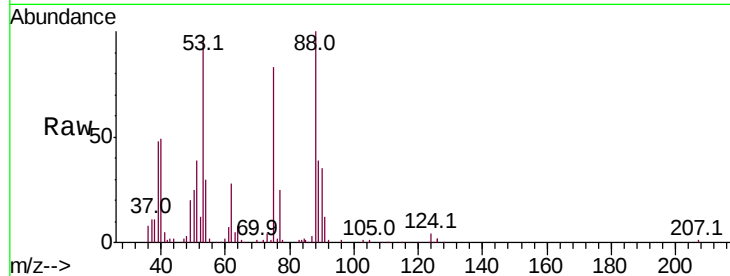
#81
trans-1,4-Dichloro-2-butene
Concen: 50.863 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.7	86.7	130.1
89	46.4	36.4	54.6

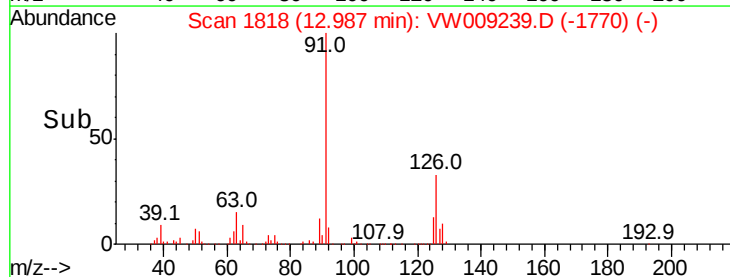
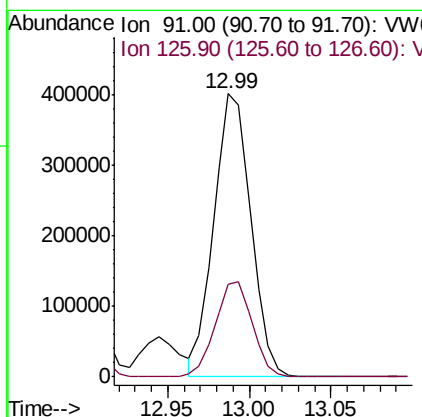
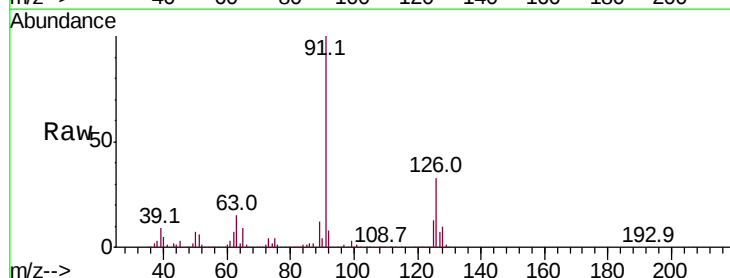
Manual Integrations
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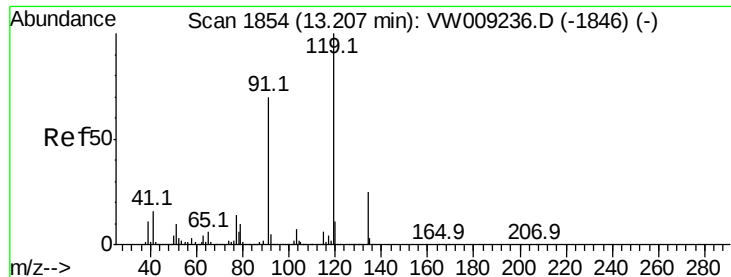
MMDadoda
3/22/2019 3:53:05 AM



#82
4-Chlorotoluene
Concen: 55.891 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6





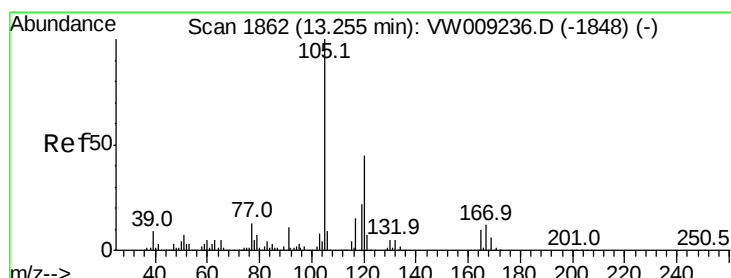
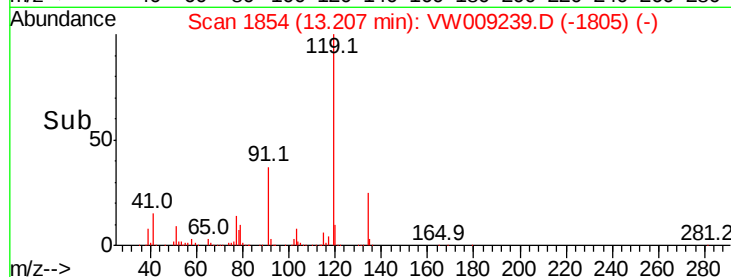
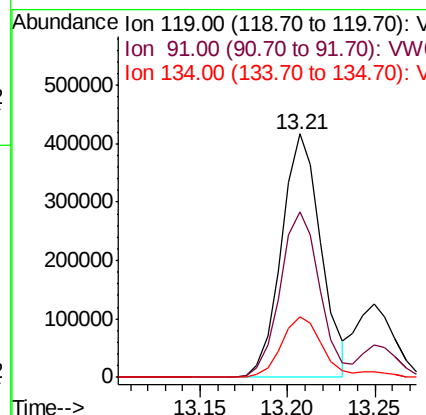
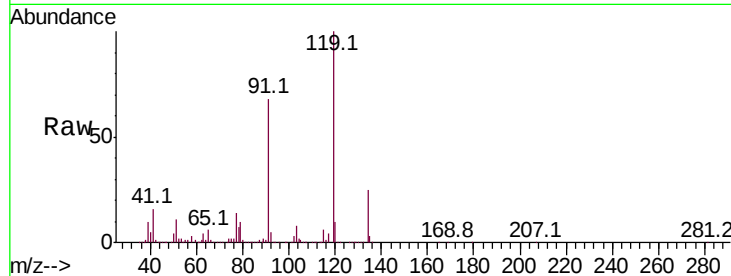
#83
tert-Butylbenzene
Concen: 58.455 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.4	103.2
134	27.2	12.7	38.1

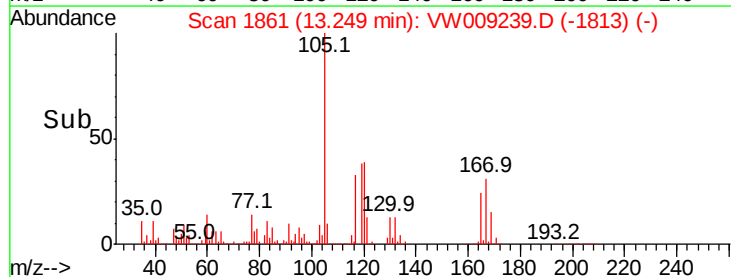
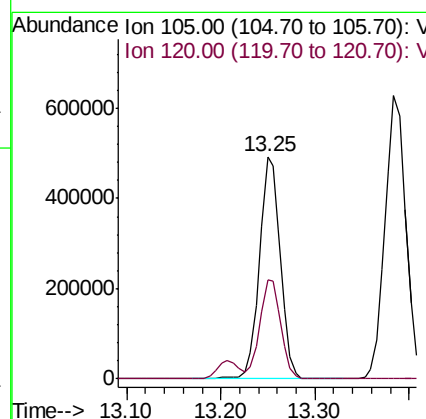
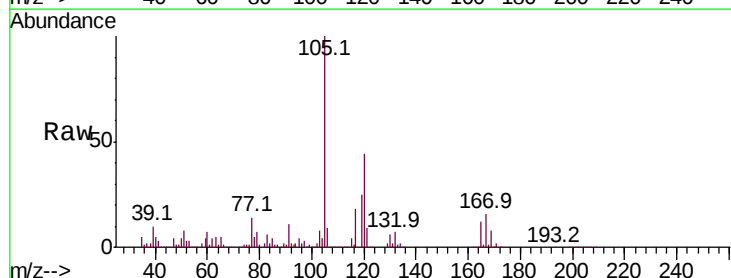
Manual Integrations
APPROVED

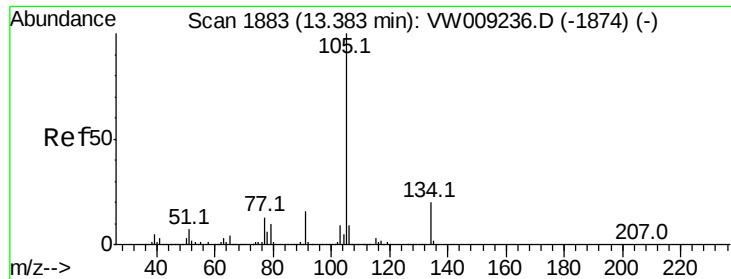
MMDadoda
3/22/2019 3:53:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 57.287 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.8	68.3





#85

sec-Butylbenzene

Concen: 58.135 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

ICVW031918

Tot Ion:105 Resp: 963676

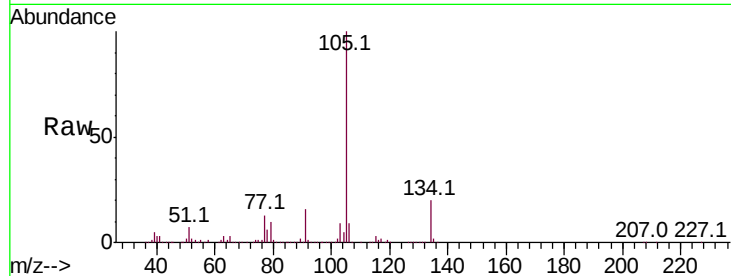
Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.6

Manual Integrations
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3/22/2019 3:53:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

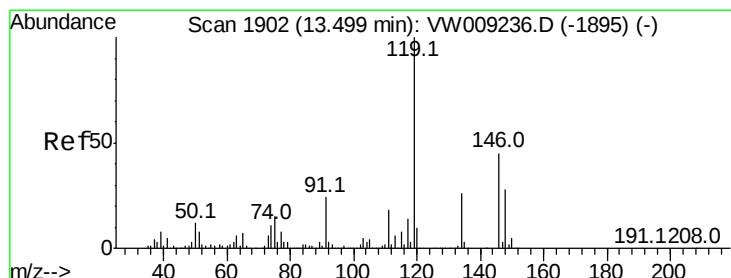
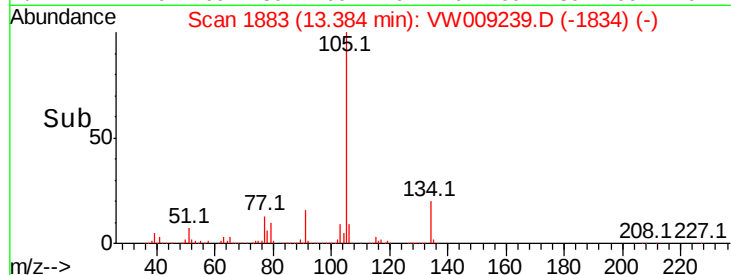
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 58.229 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

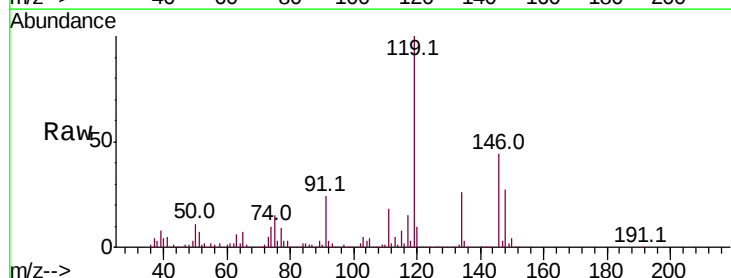
Tgt Ion:119 Resp: 859525

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 24.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

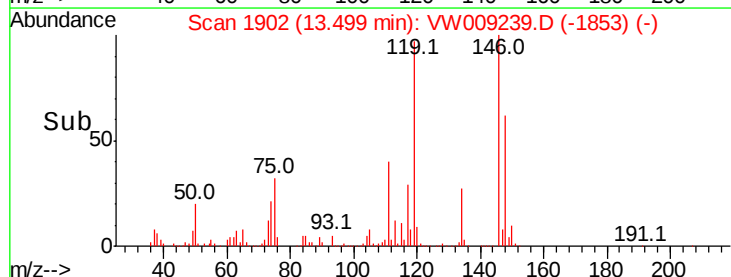
600000

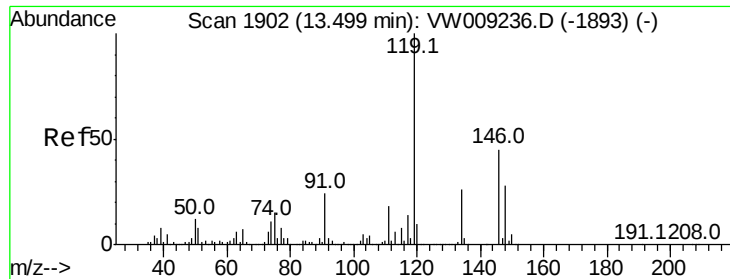
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.185 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

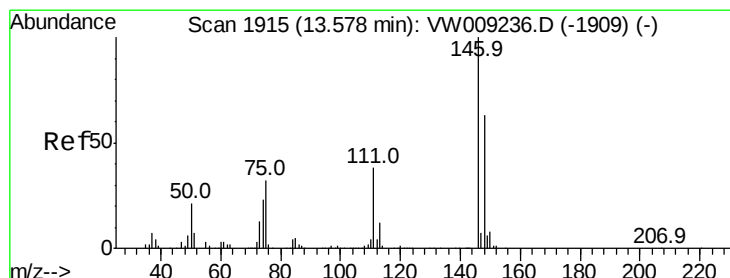
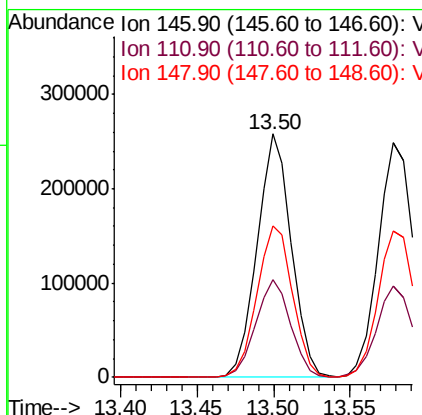
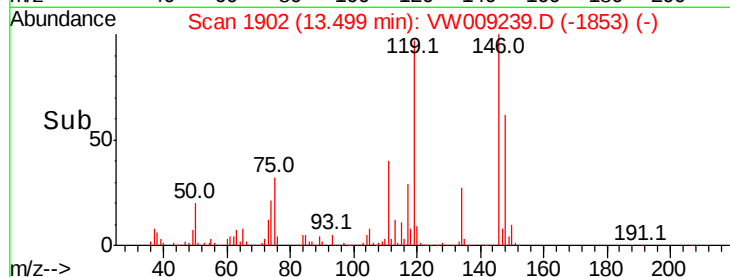
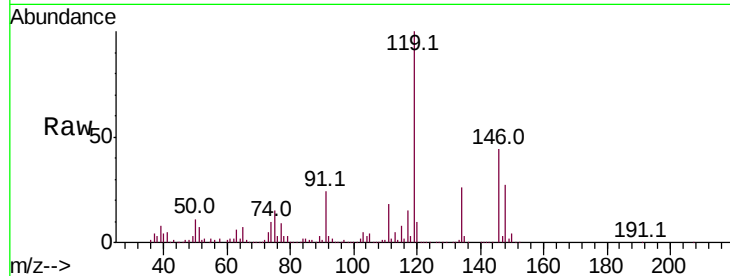
Instrument :
MSVOA_W

ClientSampleId :
ICVW031918

Tot Ion	Ratio	Resp	Lower	Upper
146	100	402404		
111	40.6	20.1	60.2	
148	64.4	31.4	94.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.589 ug/l

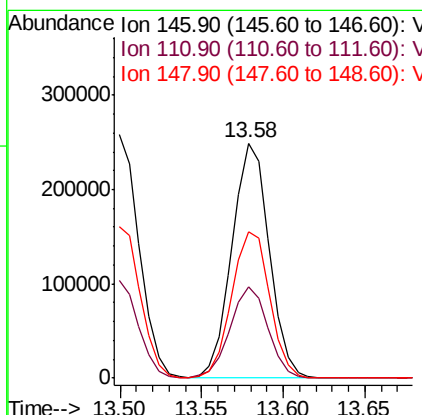
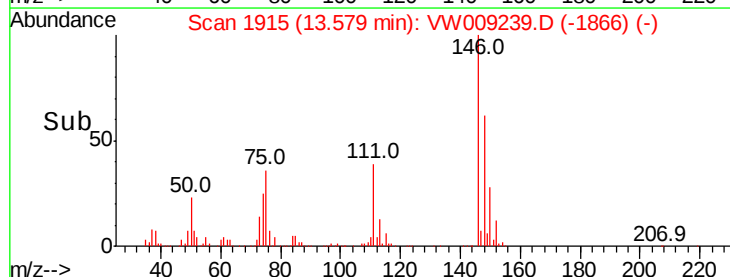
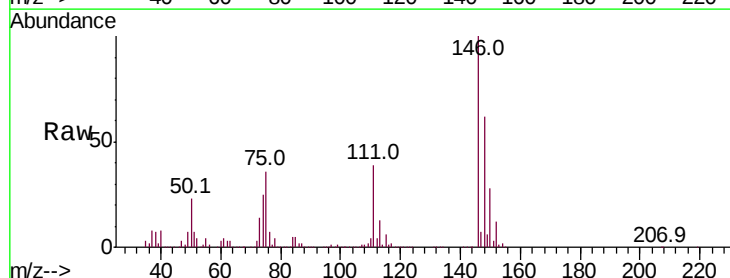
RT: 13.58 min Scan# 1915

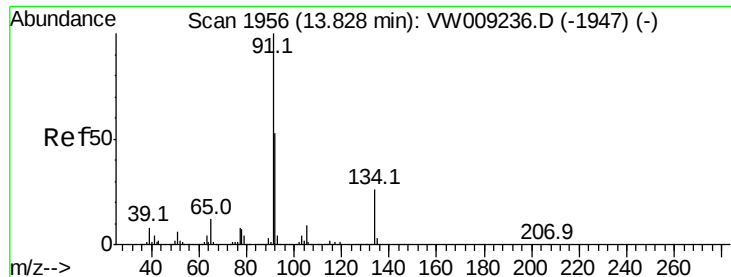
Delta R.T. 0.00 min

Lab File: VW009239.D

Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	396181		
111	39.4	19.9	59.6	
148	64.1	32.2	96.6	





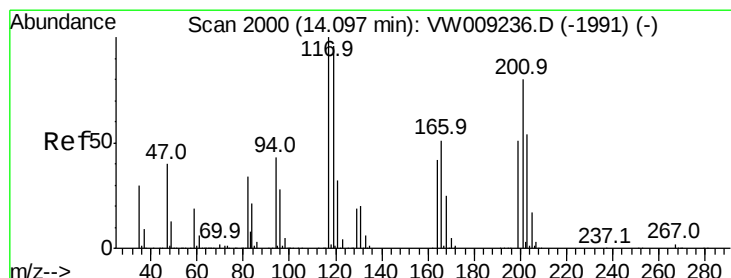
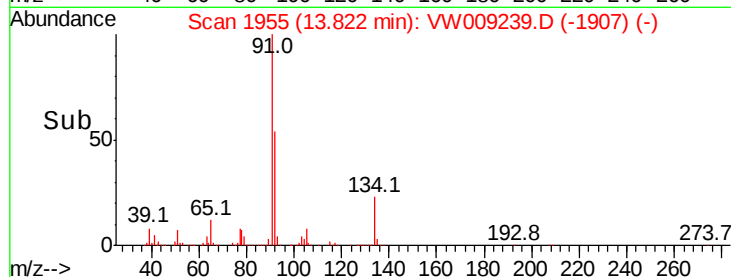
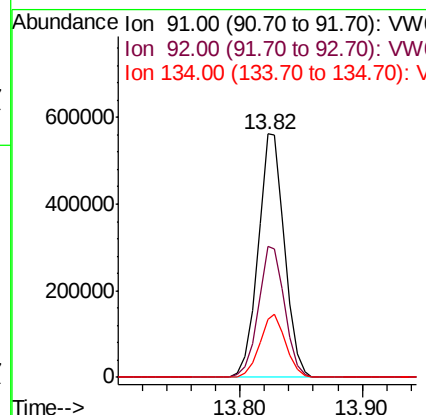
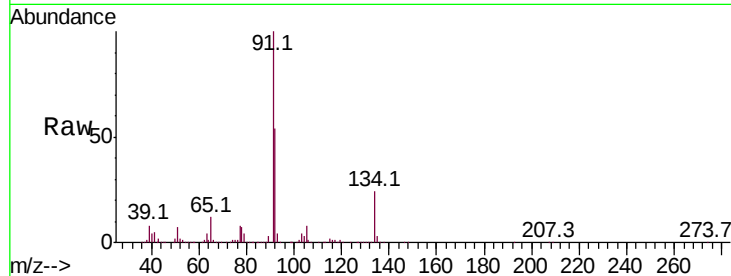
#89
n-Butylbenzene
Concen: 59.452 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.4	79.0
134	25.2	12.9	38.6

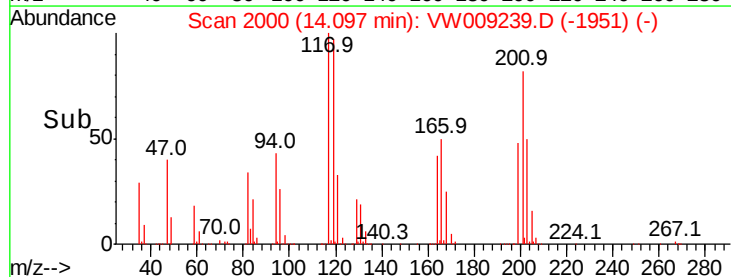
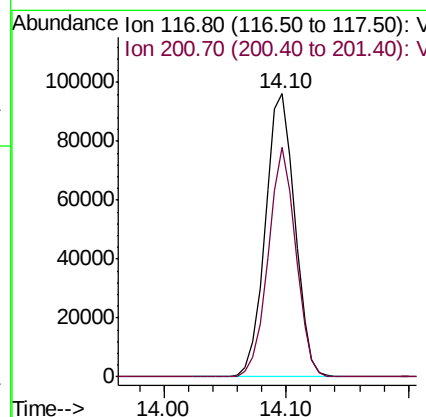
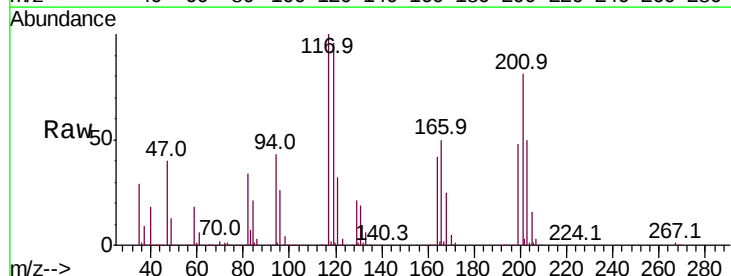
Manual Integrations
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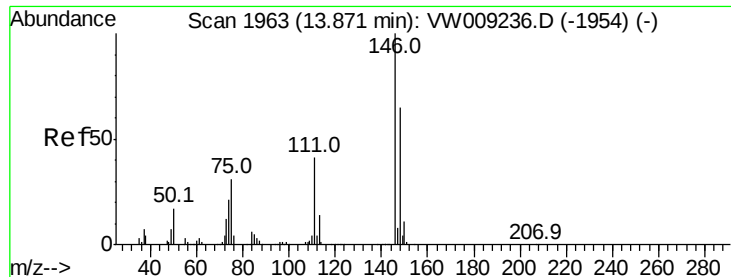
MMDadoda
3/22/2019 3:53:05 AM



#90
Hexachloroethane
Concen: 55.665 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.2	114.6





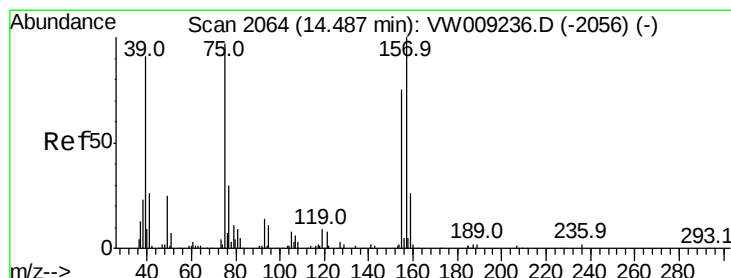
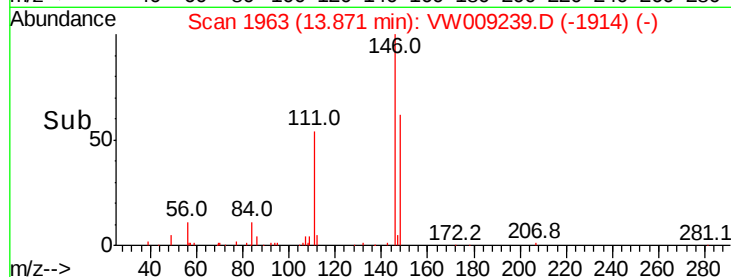
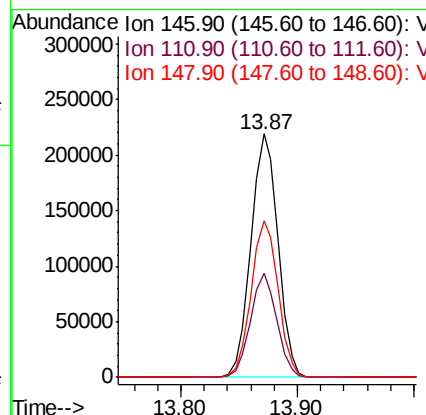
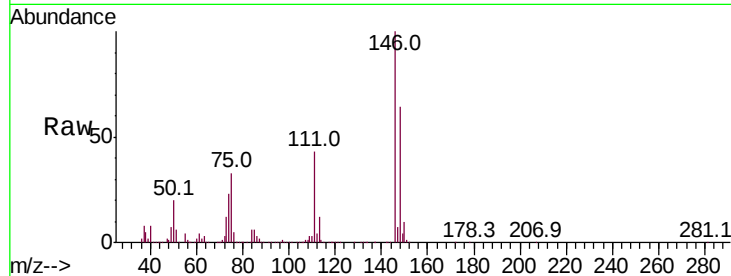
#91
 1,2-Dichlorobenzene
 Concen: 52.404 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW031918

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	64.1	31.9	95.9

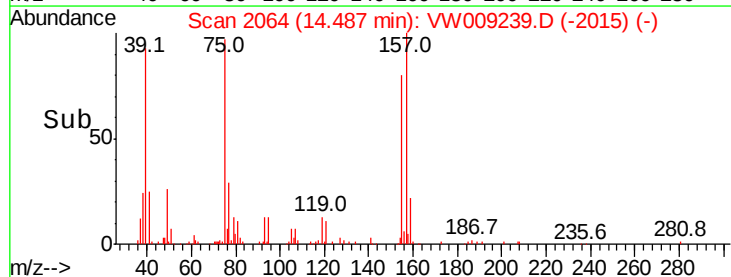
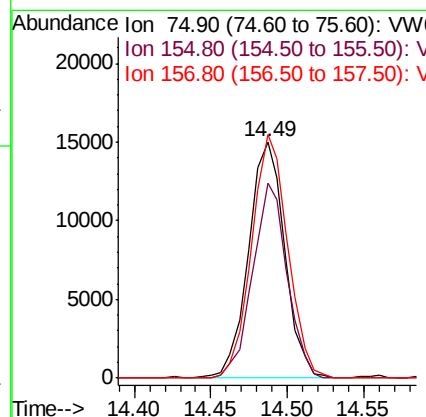
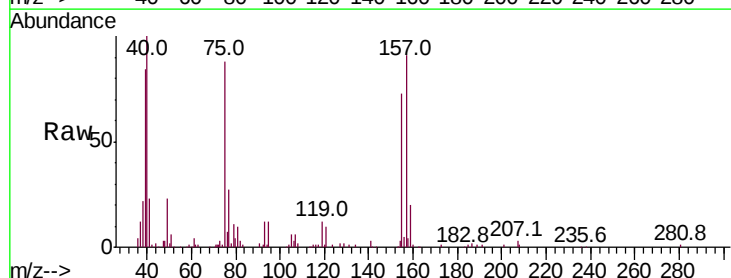
Manual Integrations
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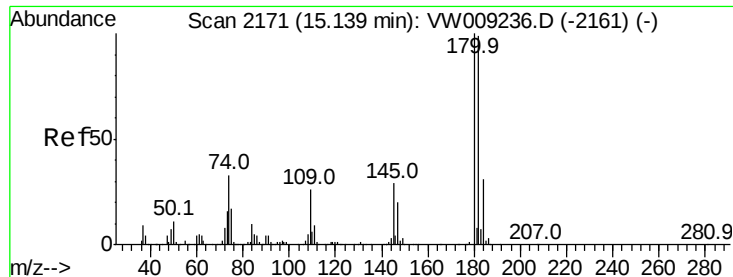
MMDadoda
 3/22/2019 3:53:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.823 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.3	117.8
157	102.7	49.5	148.5





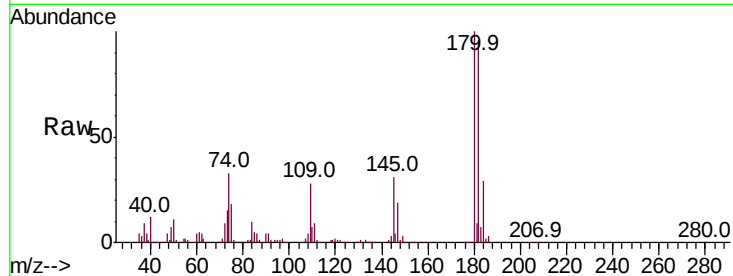
#93
 1,2,4-Trichlorobenzene
 Concen: 55.212 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW031918

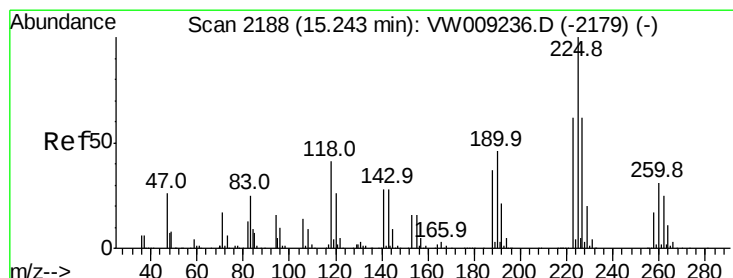
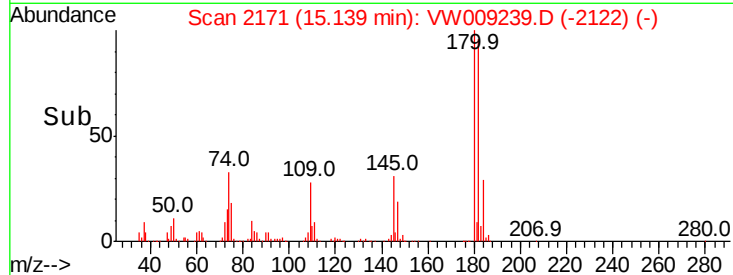
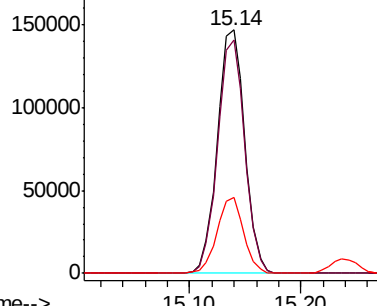
Tot Ion:	180	Resp:	251573
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.7
145	30.2	15.0	45.0

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:05 AM

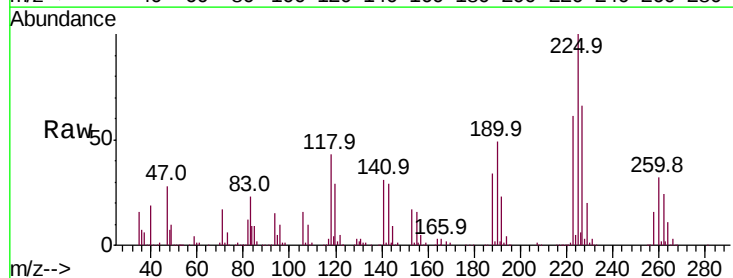


Abundance Ion 179.80 (179.50 to 180.50): V
 200000
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

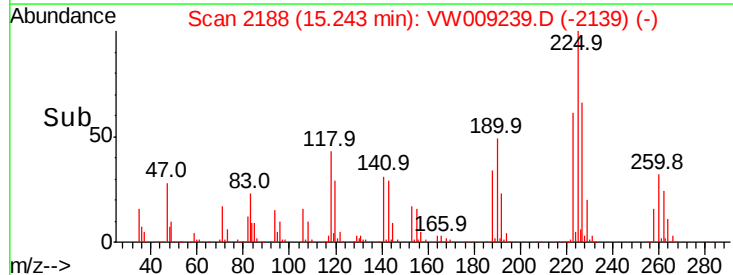
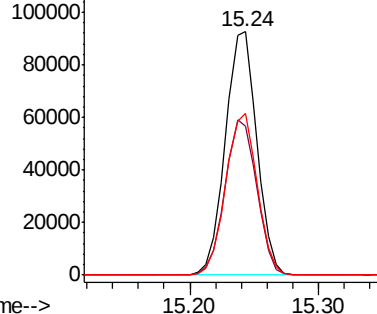


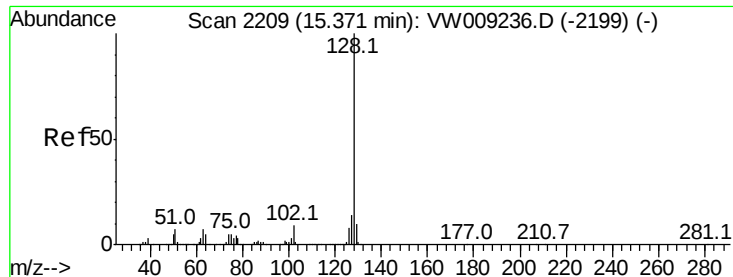
#94
 Hexachlorobutadiene
 Concen: 53.873 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009239.D
 Acq: 19 Mar 2019 13:53

Tgt Ion:	225	Resp:	156124
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.4	94.3
227	66.4	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 120000
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





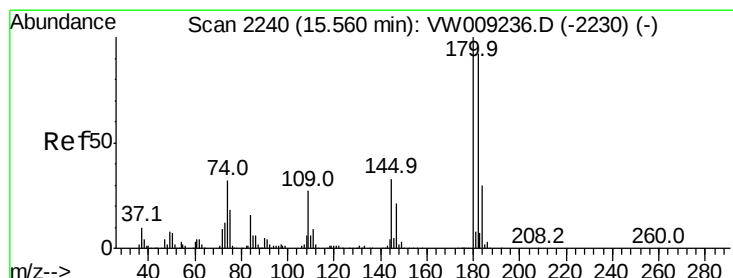
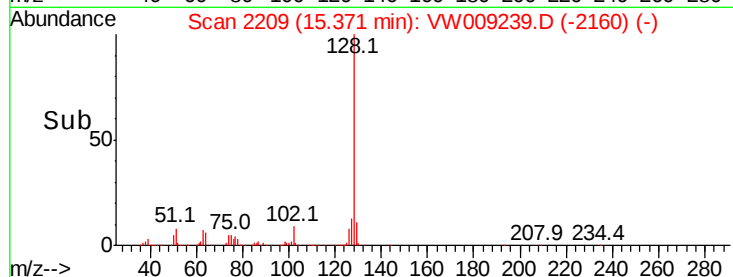
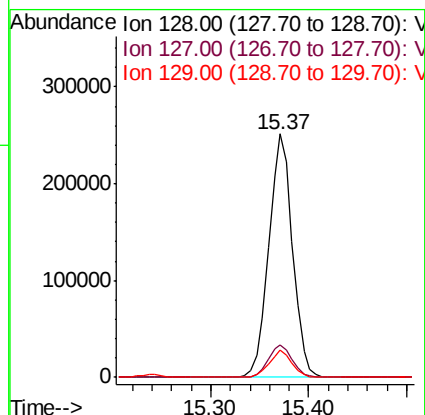
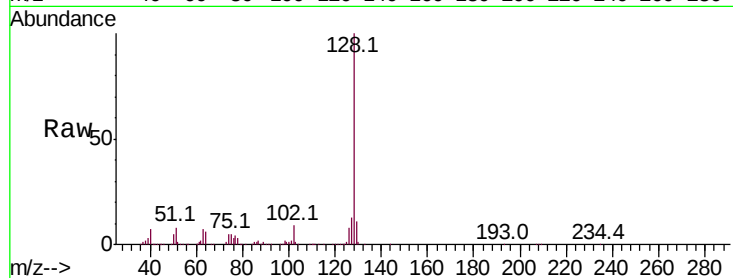
#95
Naphthalene
Concen: 53.958 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Instrument :
MSVOA_W
ClientSampleId :
ICVW031918

Tot Ion	Ratio	Resp	Lower	Upper
128	100	425975		
127	13.5		10.8	16.2
129	10.7		8.7	13.1

Manual Integrations
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MMDadoda
3/22/2019 3:53:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.178 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009239.D
Acq: 19 Mar 2019 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	216289		
182	95.6		47.3	141.9
145	31.8		16.0	48.0

