

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\
 Data File : VW010353.D
 Acq On : 10 May 2019 13:46
 Operator : SY/VA
 Sample : VW0510SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 12:12:02 PM

Quant Time: May 10 23:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1335710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2111813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1878570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	930226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	707076	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.88	113	626860	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.32	98	2583098	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	912171	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	200768	19.844	ug/l 97
3) Chloromethane	2.21	50	266500	19.491	ug/l 98
4) Vinyl Chloride	2.36	62	344015	20.245	ug/l 99
5) Bromomethane	2.77	94	190855	19.477	ug/l 97
6) Chloroethane	2.92	64	199540	20.305	ug/l 99
7) Trichlorofluoromethane	3.25	101	164230	19.306	ug/l 97
8) Diethyl Ether	3.67	74	148967	19.920	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	282120	20.240	ug/l 97
10) Methyl Iodide	4.26	142	401556	20.343	ug/l 94
11) Tert butyl alcohol	5.17	59	80363	80.135	ug/l 98
12) 1,1-Dichloroethene	4.03	96	306045	21.012	ug/l 91
13) Acrolein	3.88	56	112839	85.224	ug/l 100
14) Allyl chloride	4.65	41	442264	20.342	ug/l 93
15) Acrylonitrile	5.36	53	355561	85.782	ug/l 99
16) Acetone	4.12	43	313261	84.621	ug/l 96
17) Carbon Disulfide	4.37	76	885468	20.101	ug/l 99
18) Methyl Acetate	4.67	43	157723	17.201	ug/l 95
19) Methyl tert-butyl Ether	5.42	73	337132	19.444	ug/l 97
20) Methylene Chloride	4.91	84	349256	22.619	ug/l 92
21) trans-1,2-Dichloroethene	5.41	96	323887	20.659	ug/l 99
22) Diisopropyl ether	6.31	45	911339	21.598	ug/l 96
23) Vinyl Acetate	6.25	43	2886431	99.624	ug/l 96
24) 1,1-Dichloroethane	6.21	63	592978	20.873	ug/l 100
25) 2-Butanone	7.17	43	469283	82.865	ug/l 96
26) 2,2-Dichloropropane	7.16	77	307807	21.777	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	337337	20.922	ug/l 97
28) Bromochloromethane	7.51	49	249352	23.808	ug/l 98
29) Tetrahydrofuran	7.52	42	310324	84.718	ug/l 95
30) Chloroform	7.67	83	556861	20.945	ug/l 98
31) Cyclohexane	7.95	56	600979	20.661	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	441042	21.417	ug/l 100
36) 1,1-Dichloropropene	8.08	75	487462	21.289	ug/l 99
37) Ethyl Acetate	7.25	43	220701	18.103	ug/l 98
38) Carbon Tetrachloride	8.06	117	414000	21.092	ug/l 96

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Quant Time: May 10 23:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	586967	20.955	ug/l	98
40) Benzene	8.32	78	1327975	21.177	ug/l	99
41) Methacrylonitrile	7.48	41	124200	18.165	ug/l	95
42) 1,2-Dichloroethane	8.40	62	378136	21.066	ug/l	97
43) Isopropyl Acetate	8.42	43	366792	18.141	ug/l	96
44) Trichloroethene	9.09	130	323905	20.632	ug/l	99
45) 1,2-Dichloropropane	9.37	63	330837	21.224	ug/l	100
46) Dibromomethane	9.46	93	157583	19.569	ug/l	99
47) Bromodichloromethane	9.64	83	399841	20.699	ug/l	98
48) Methyl methacrylate	9.43	41	177993	18.618	ug/l	87
49) 1,4-Dioxane	9.45	88	48173	343.034	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	1039752	89.680	ug/l	95
52) Toluene	10.38	92	822463	21.458	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	394298	20.152	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	479915	20.711	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	225889	19.750	ug/l	99
56) Ethyl methacrylate	10.65	69	287562	19.039	ug/l #	87
57) 1,3-Dichloropropane	10.93	76	411346	20.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	748071	103.447	ug/l	99
59) 2-Hexanone	10.97	43	714144	87.119	ug/l	93
60) Dibromochloromethane	11.13	129	247261	20.090	ug/l	98
61) 1,2-Dibromoethane	11.23	107	217073	19.770	ug/l	99
64) Tetrachloroethene	10.86	164	270619	20.611	ug/l	98
65) Chlorobenzene	11.66	112	820702	21.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	273433	20.804	ug/l	97
67) Ethyl Benzene	11.73	91	1556035	21.751	ug/l	98
68) m/p-Xylenes	11.84	106	1160523	43.662	ug/l	100
69) o-Xylene	12.16	106	520075	21.630	ug/l	97
70) Styrene	12.18	104	905232	21.607	ug/l	99
71) Bromoform	12.35	173	138977	18.497	ug/l #	98
73) Isopropylbenzene	12.47	105	1488953	21.960	ug/l	100
74) N-amyl acetate	12.27	43	331271	18.911	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	278256	18.625	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	206090m	19.002	ug/l	
77) Bromobenzene	12.75	156	317921	20.766	ug/l	97
78) n-propylbenzene	12.80	91	1862853	22.245	ug/l	100
79) 2-Chlorotoluene	12.90	91	1038628	21.778	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1267268	22.170	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	85173	17.735	ug/l	96
82) 4-Chlorotoluene	12.99	91	1090258	21.819	ug/l	98
83) tert-Butylbenzene	13.21	119	1032849	21.663	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1266648	22.299	ug/l	99
85) sec-Butylbenzene	13.39	105	1543003	21.922	ug/l	100
86) p-Isopropyltoluene	13.50	119	1383898	22.145	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	646686	21.153	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	645857	21.288	ug/l	100
89) n-Butylbenzene	13.83	91	1375849	21.957	ug/l	99
90) Hexachloroethane	14.10	117	238421	20.570	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	572203	21.144	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45649	16.968	ug/l	94

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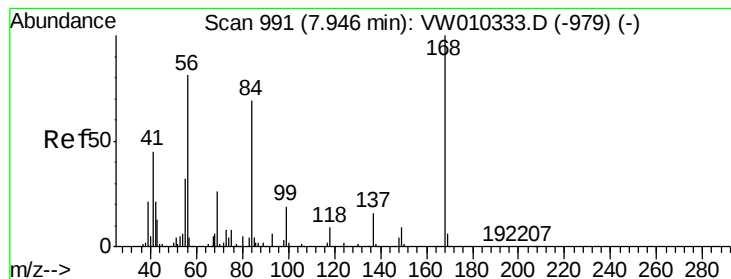
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
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QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	393818	21.322	ug/l	99
94) Hexachlorobutadiene	15.24	225	252154	21.296	ug/l	99
95) Naphthalene	15.37	128	709353	19.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	343295	20.575	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: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion:168 Resp: 1335710

Ion Ratio Lower Upper

168 100

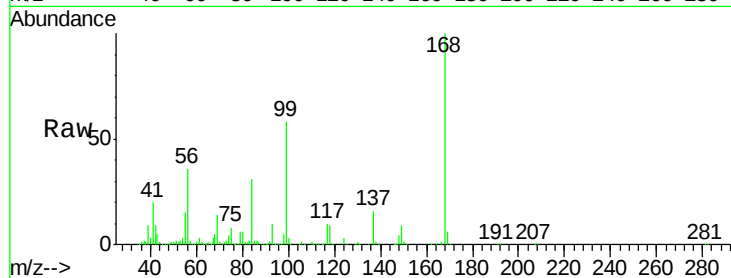
99 58.0 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

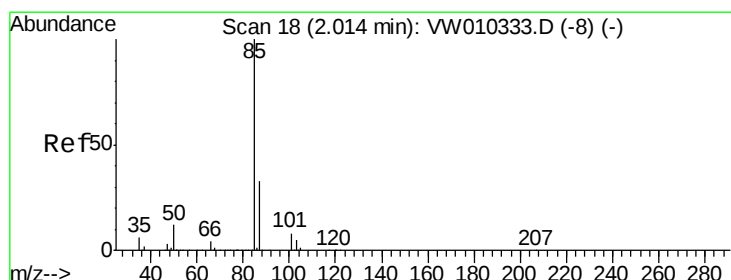
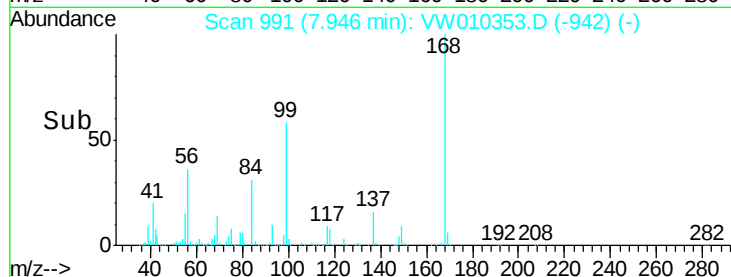
600000

400000

200000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.844 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010353.D

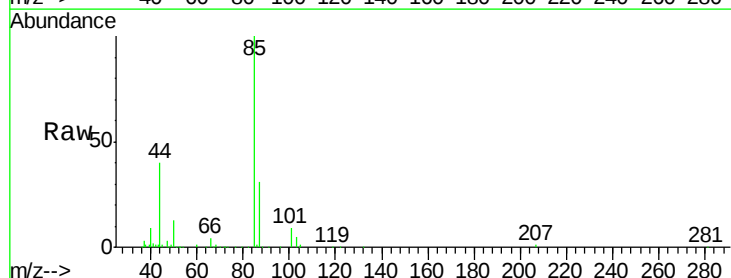
Acq: 10 May 2019 13:46

Tgt Ion: 85 Resp: 200768

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

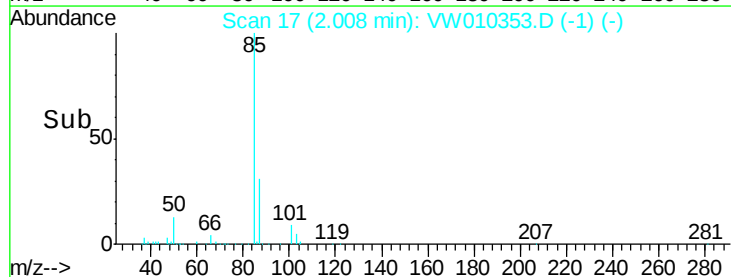
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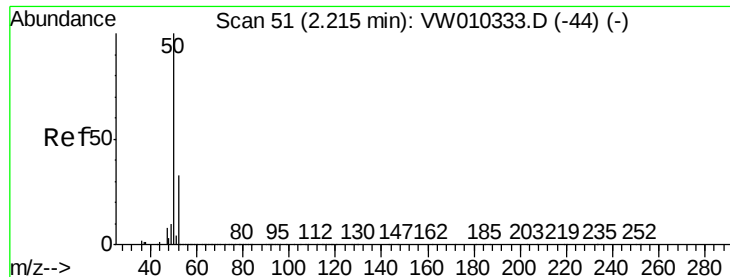
40000

20000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 19.491 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 50 Resp: 266500

Ion Ratio Lower Upper

50 100

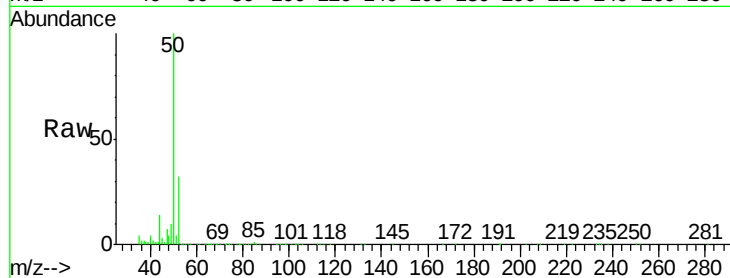
52 32.3 25.0 37.6

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

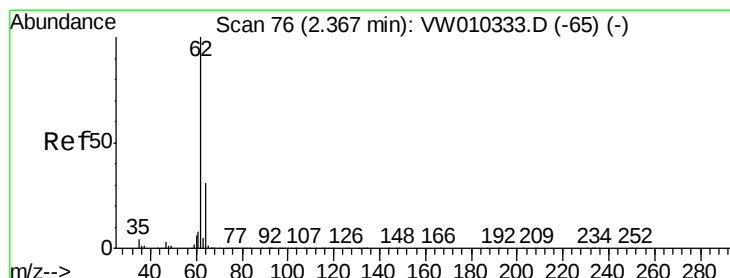
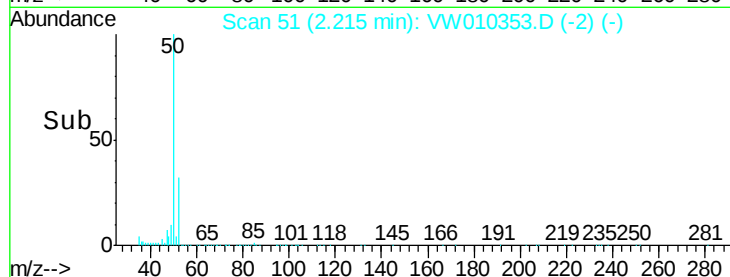
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.245 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010353.D

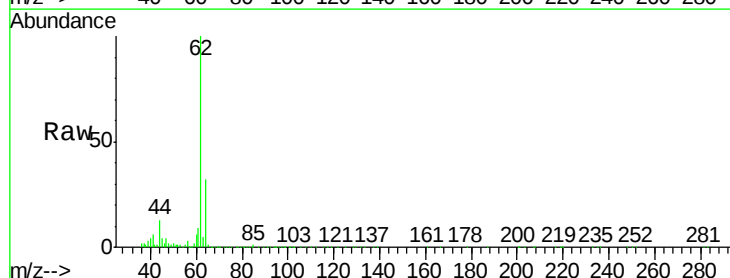
Acq: 10 May 2019 13:46

Tgt Ion: 62 Resp: 344015

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

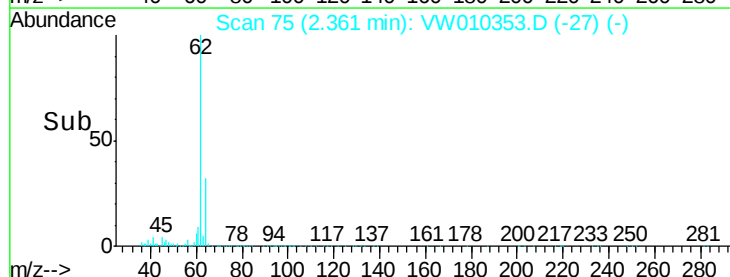
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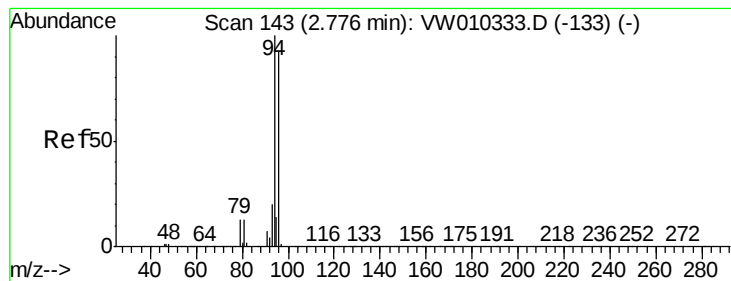
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.477 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 94 Resp: 190855

Ion Ratio Lower Upper

94 100

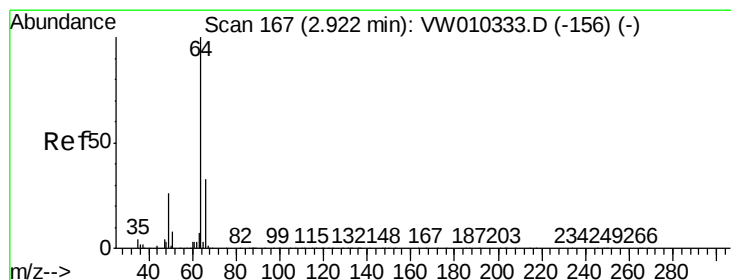
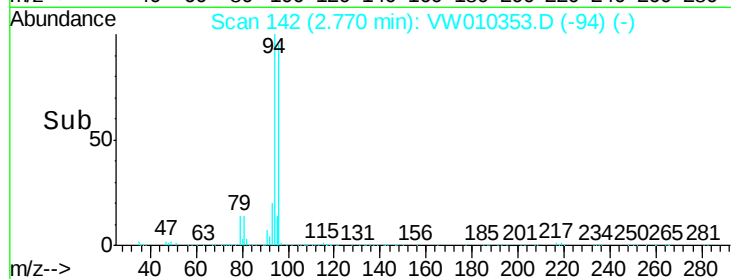
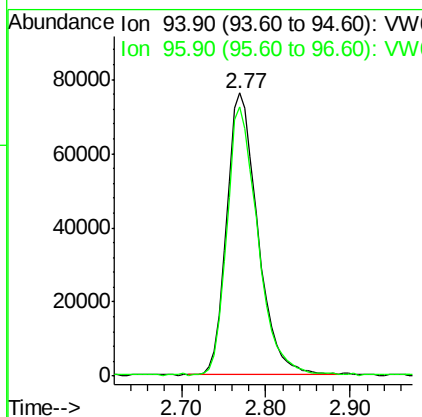
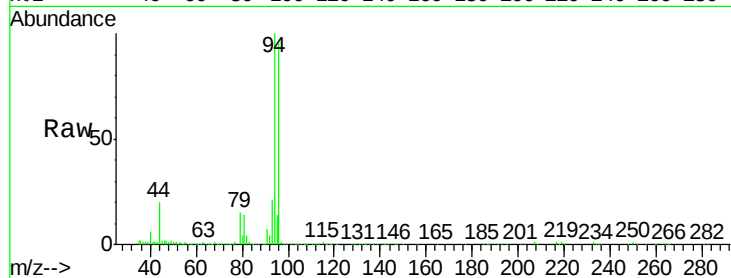
96 95.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.305 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010353.D

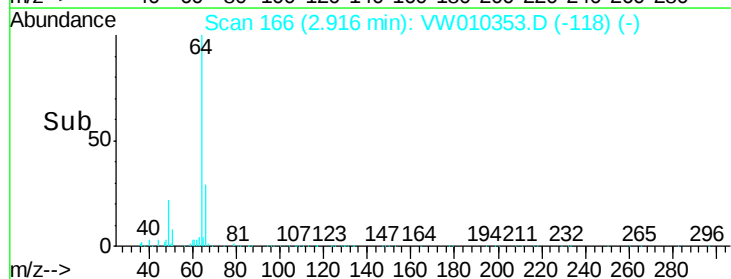
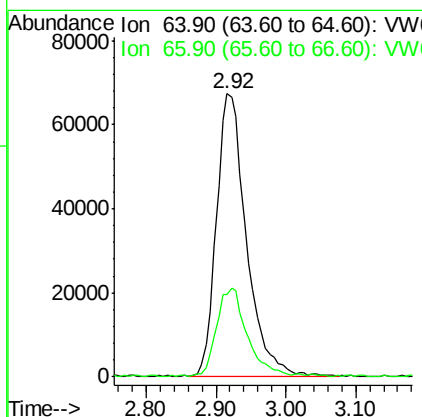
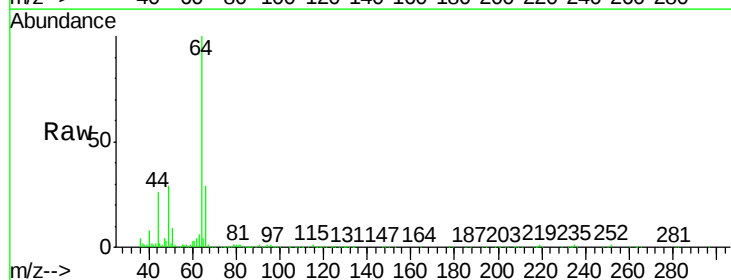
Acq: 10 May 2019 13:46

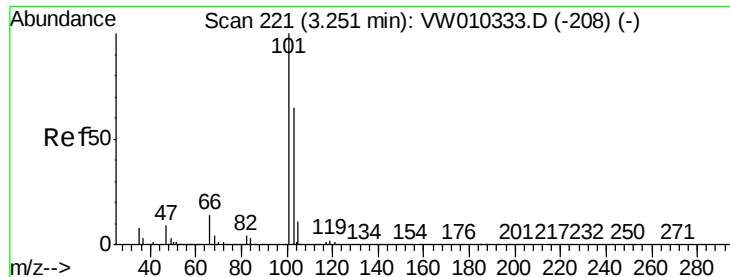
Tgt Ion: 64 Resp: 199540

Ion Ratio Lower Upper

64 100

66 28.7 23.4 35.0





#7

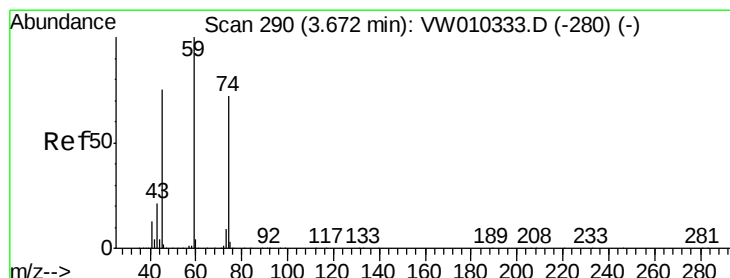
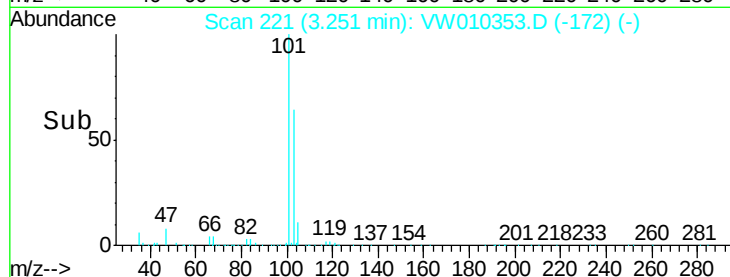
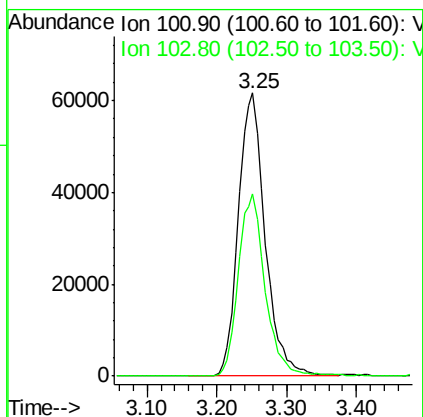
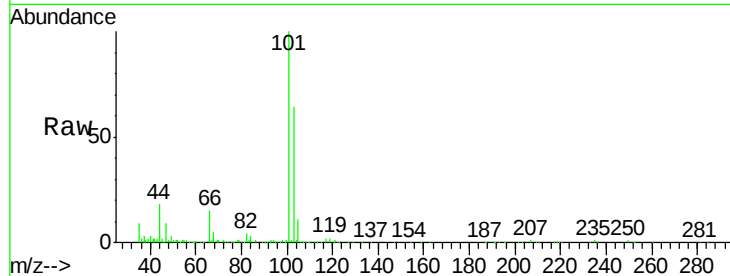
Trichlorofluoromethane
 Concen: 19.306 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

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 VW0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	164230		
103	64.4	49.8	74.6	

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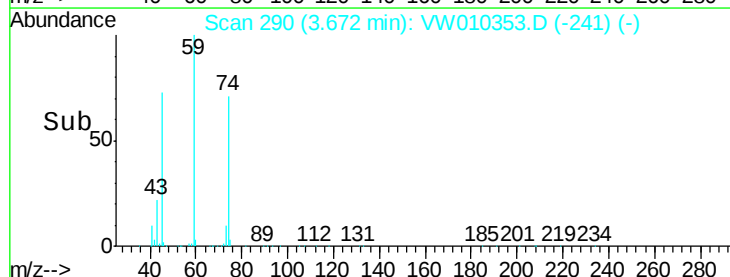
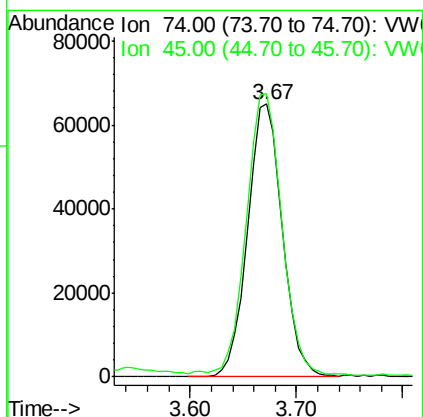
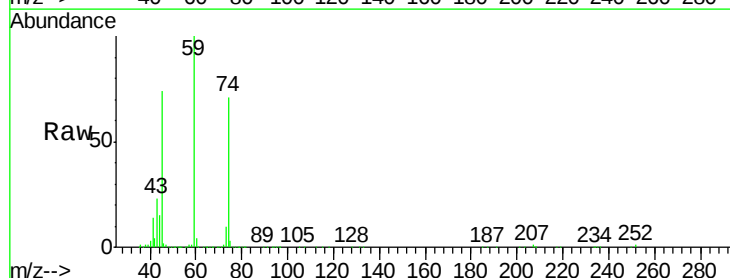
MMDadoda
 5/11/2019 12:12:02 PM

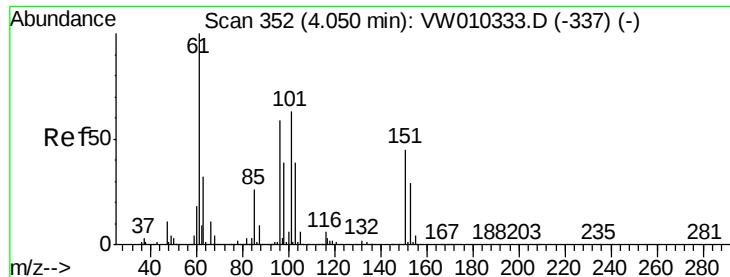


#8

Diethyl Ether
 Concen: 19.920 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	148967		
45	106.7	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.240 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

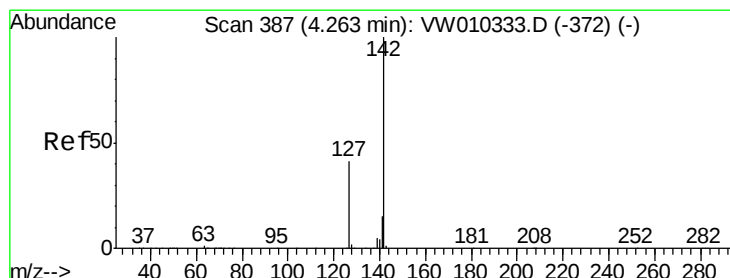
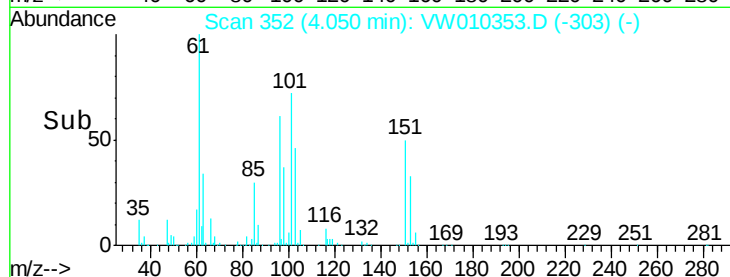
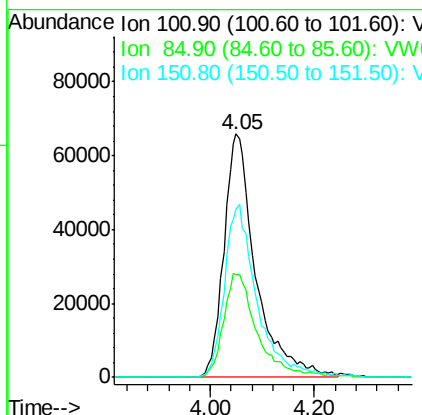
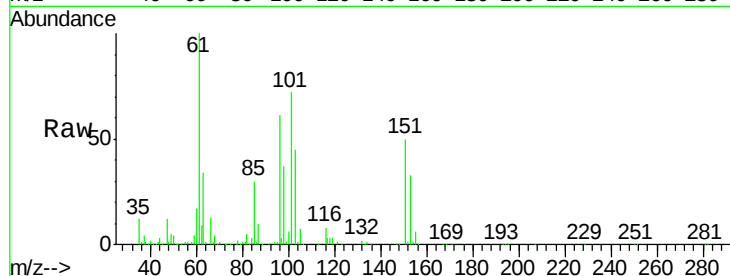
ClientSampleId :

VW0510SBS01

Tot Ion:	101	Resp:	282120
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.3	54.5
151	72.5	60.2	90.2

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#10

Methyl Iodide

Concen: 20.343 ug/l

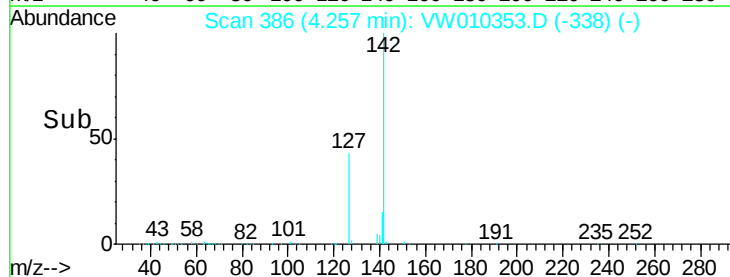
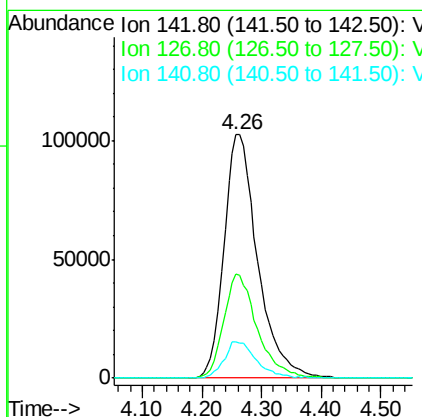
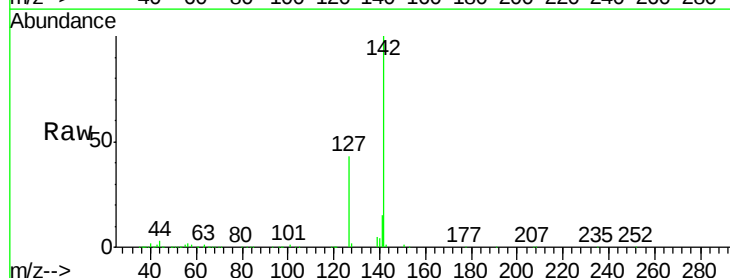
RT: 4.26 min Scan# 386

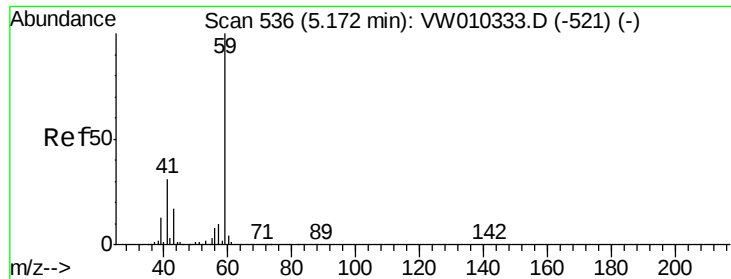
Delta R.T. -0.01 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	142	Resp:	401556
Ion Ratio	Lower	Upper	
142	100		
127	42.6	38.1	57.1
141	14.6	12.2	18.2





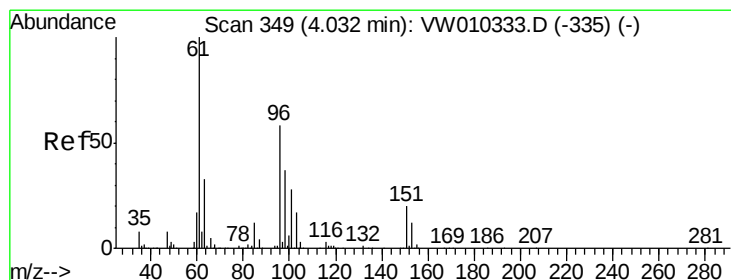
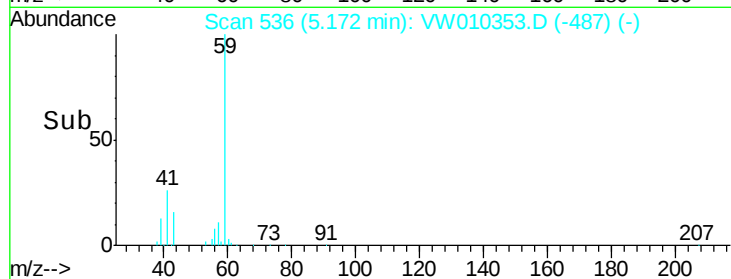
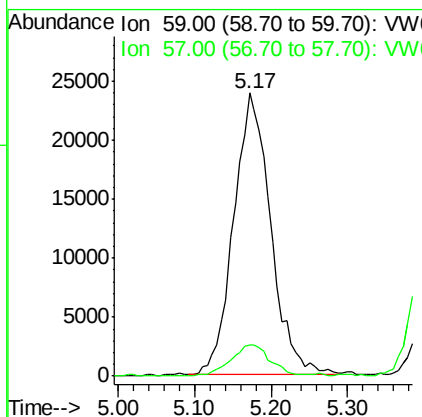
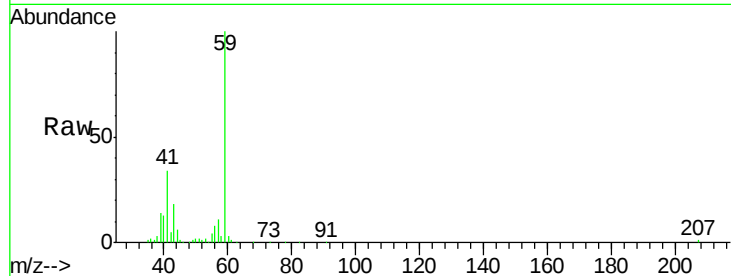
#11
Tert butyl alcohol
Concen: 80.135 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampled :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	9.0	13.4

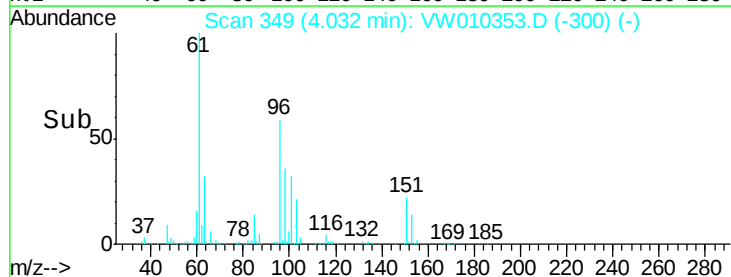
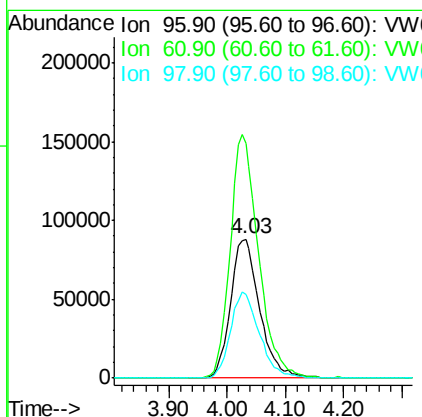
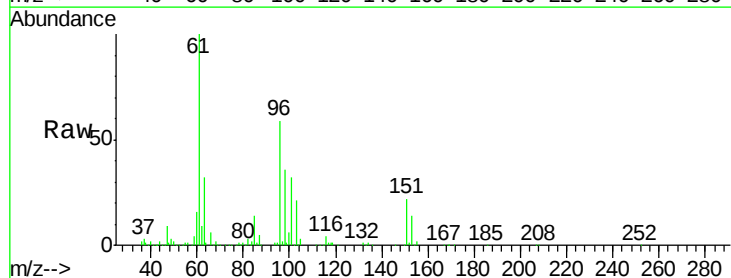
Manual Integrations
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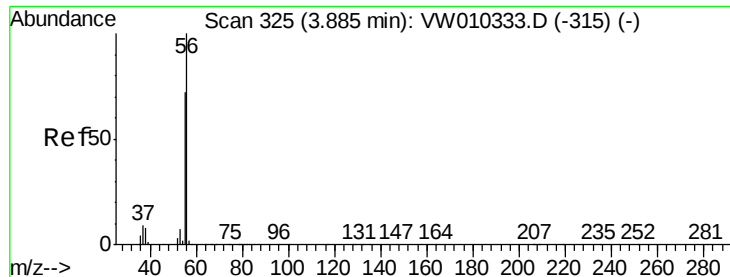
MMDadoda
5/11/2019 12:12:02 PM



#12
1,1-Dichloroethene
Concen: 21.012 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	147.4	221.2
98	60.2	49.7	74.5





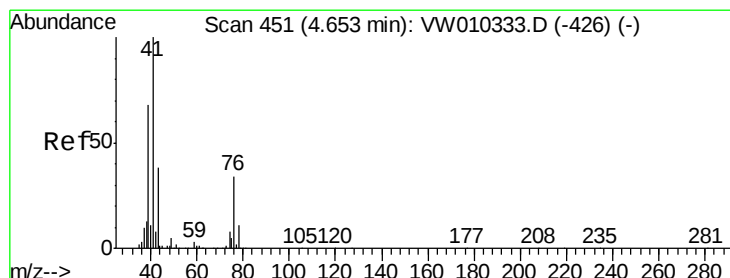
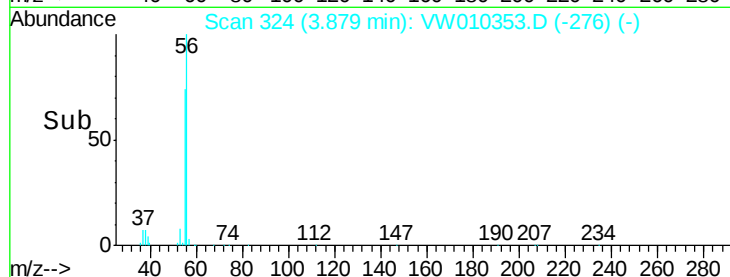
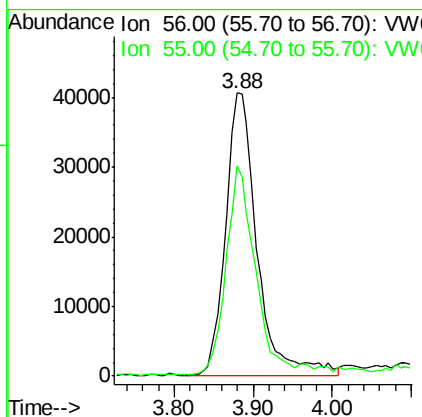
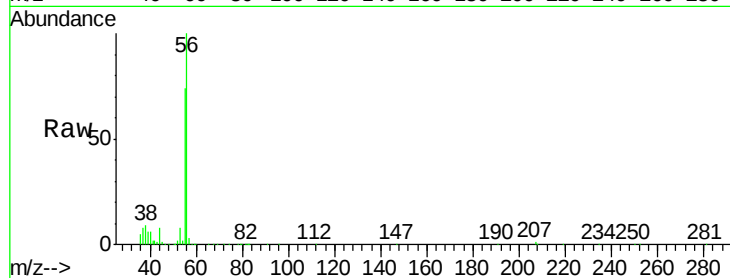
#13
Acrolein
Concen: 85.224 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.9	54.2	81.2

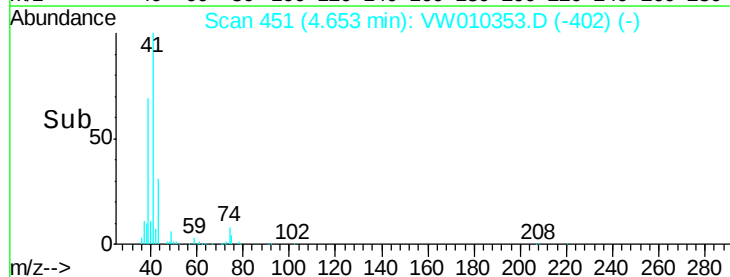
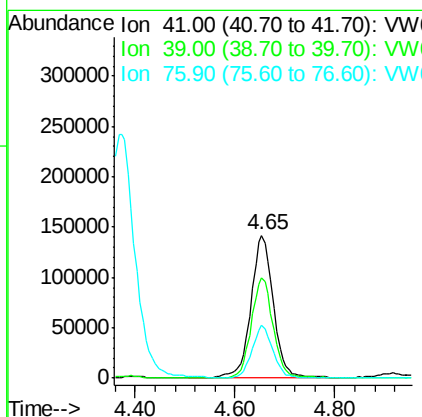
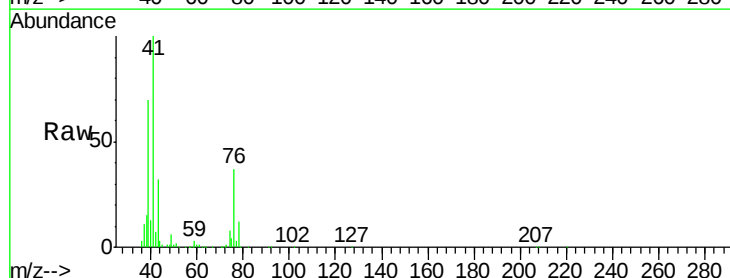
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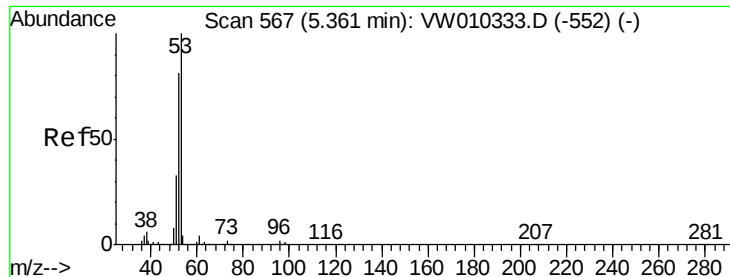
MMDadoda
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#14
Allyl chloride
Concen: 20.342 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.1	60.2	90.4
76	33.0	25.0	37.6





#15

Acrylonitrile

Concen: 85.782 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

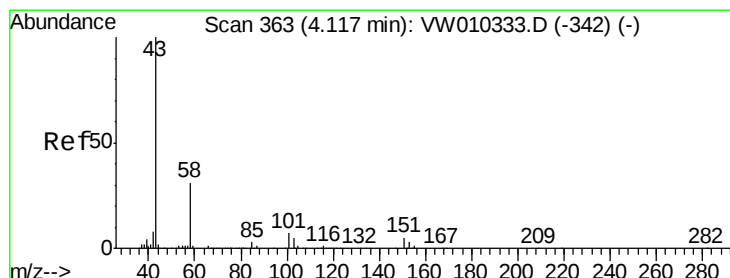
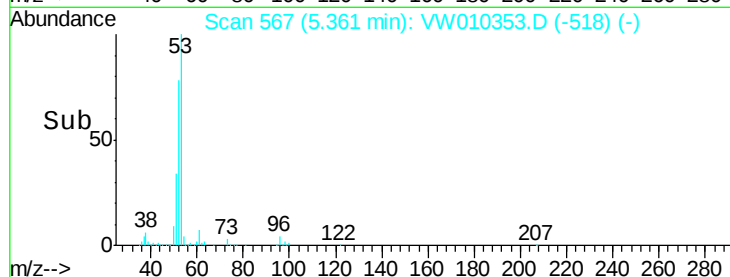
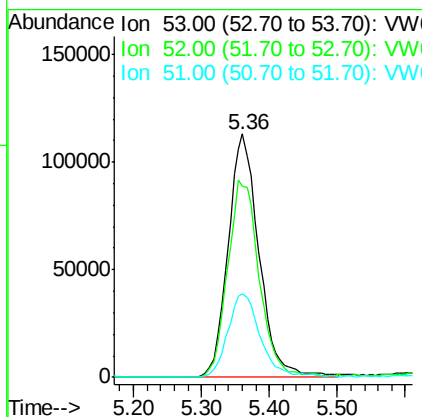
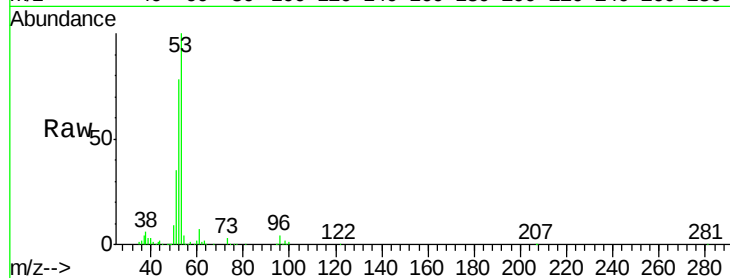
ClientSampled :

VW0510SBS01

Tot Ion:	53	Resp:	355561
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	100.0
51	36.4	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 84.621 ug/l

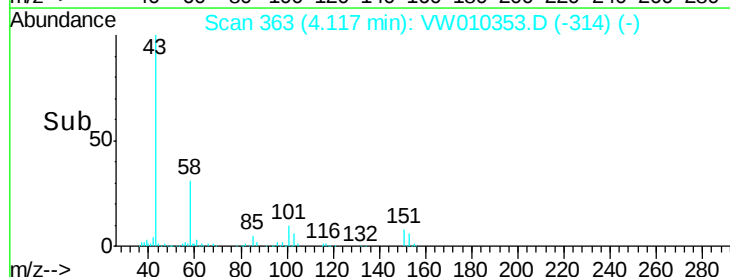
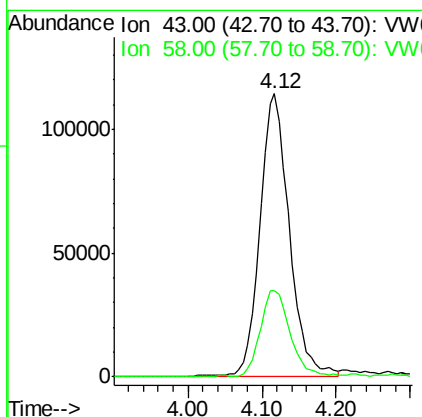
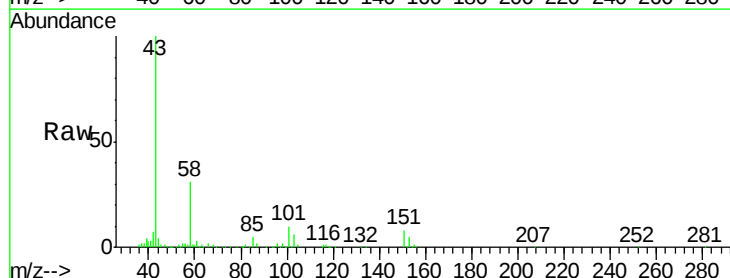
RT: 4.12 min Scan# 363

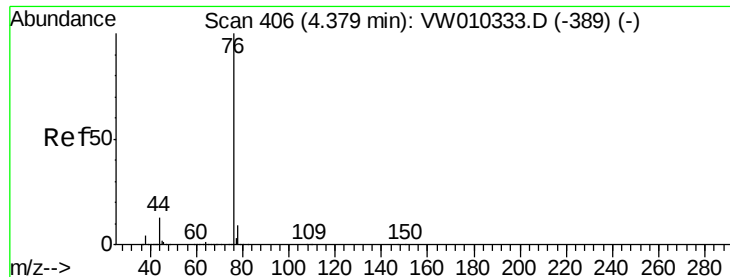
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	43	Resp:	313261
Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.7	34.1





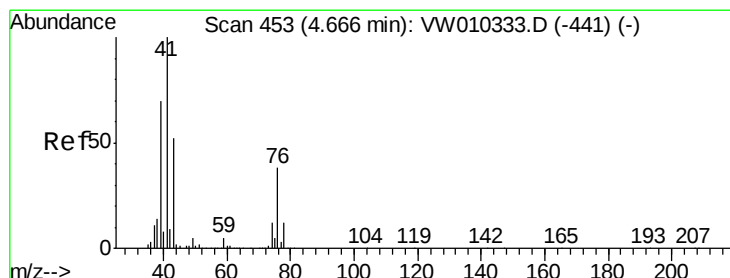
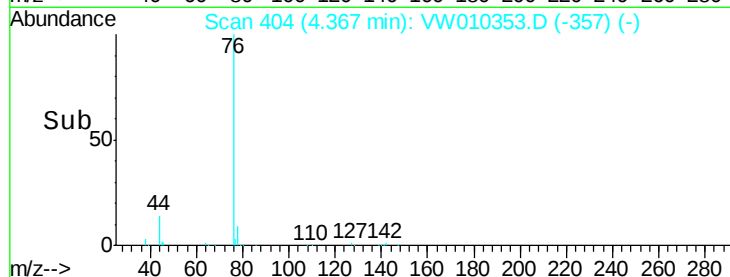
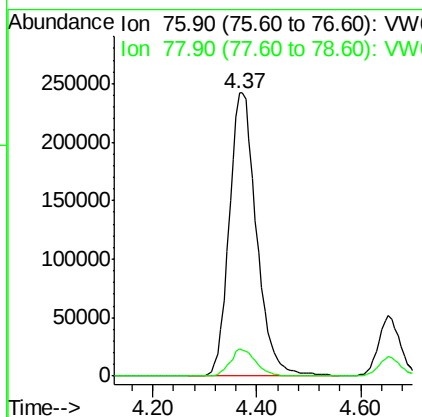
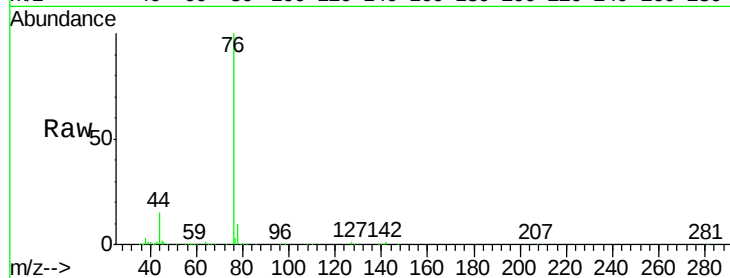
#17
Carbon Disulfide
Concen: 20.101 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

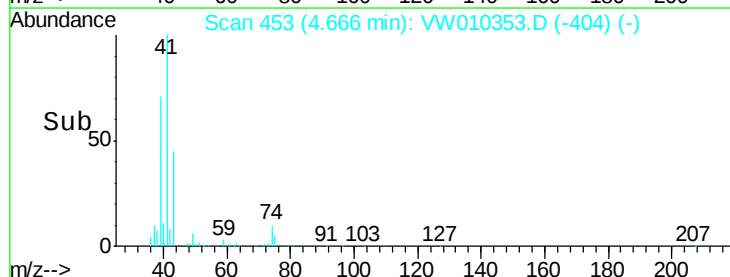
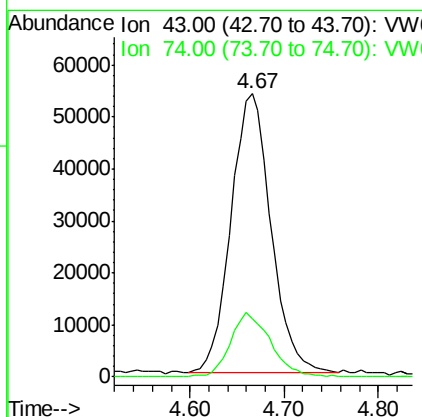
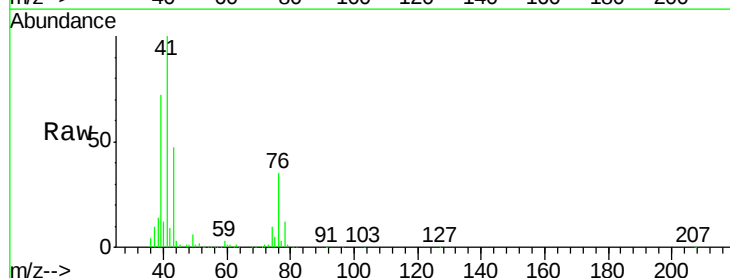
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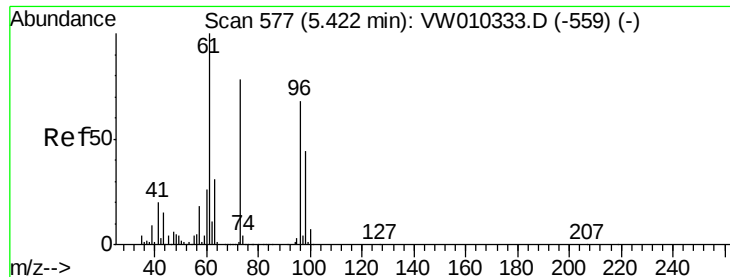
MMDadoda
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#18
Methyl Acetate
Concen: 17.201 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	16.8	25.2





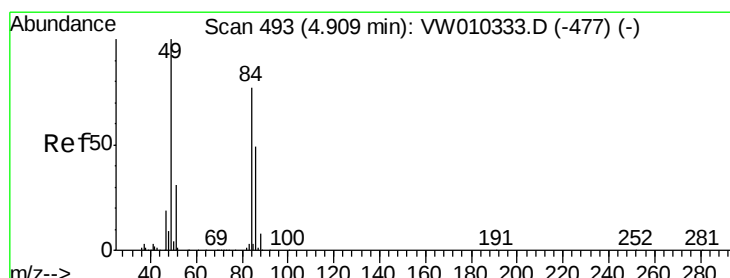
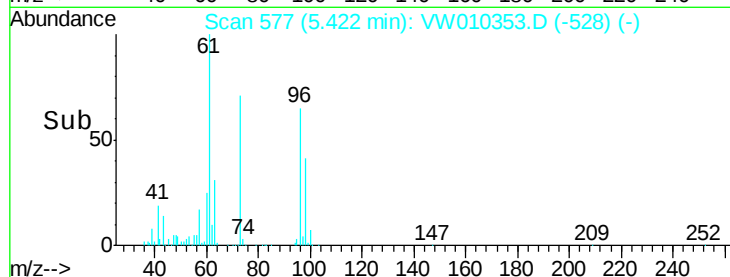
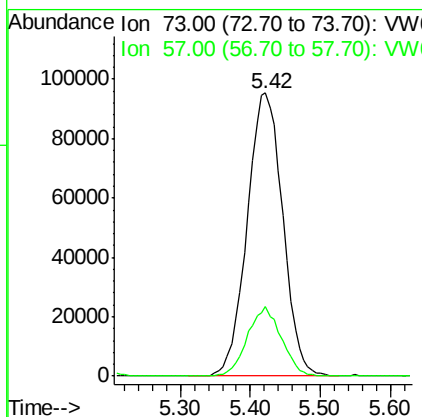
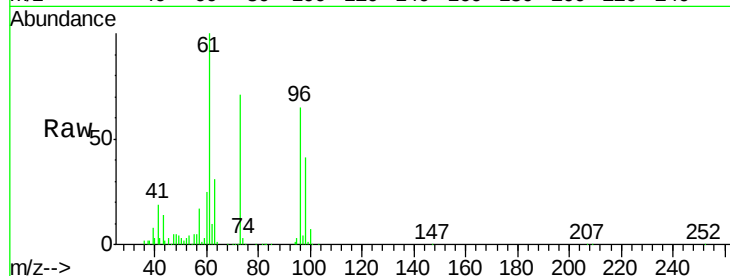
#19
Methvl tert-butvl Ether
Concen: 19.444 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion: 73 Resp: 337132
Ion Ratio Lower Upper
73 100
57 24.6 18.5 27.7

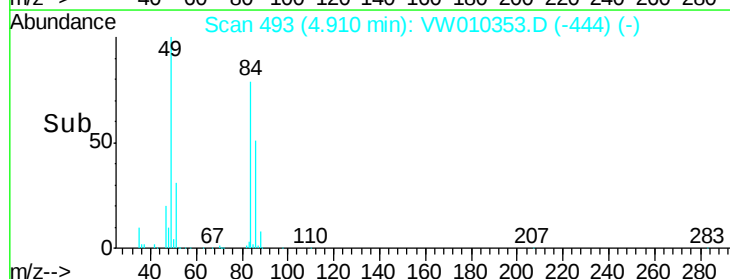
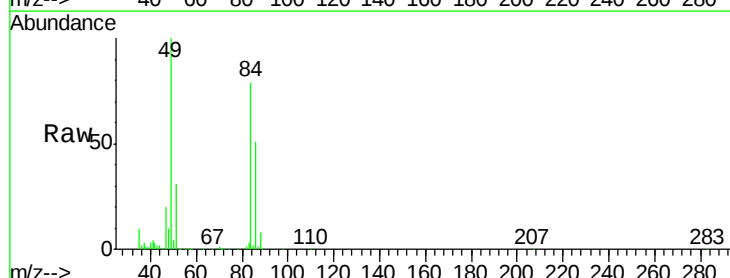
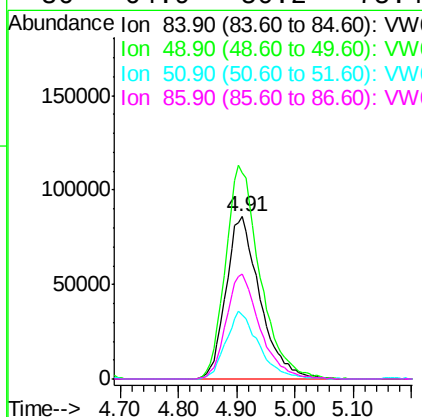
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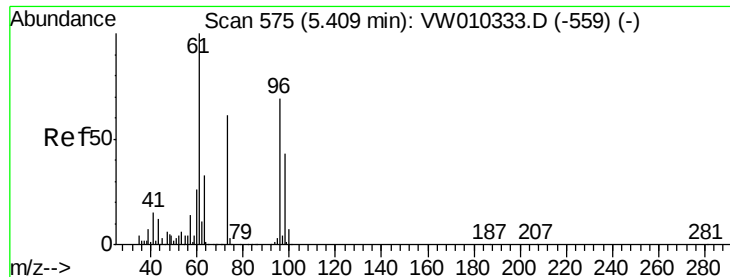
MMDadoda
5/11/2019 12:12:02 PM



#20
Methylene Chloride
Concen: 22.619 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion: 84 Resp: 349256
Ion Ratio Lower Upper
84 100
49 126.7 112.3 168.5
51 39.8 33.9 50.9
86 64.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.659 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

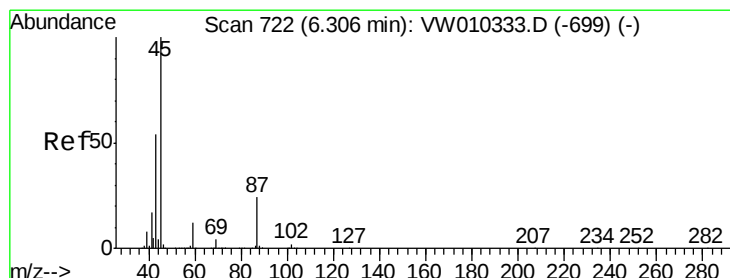
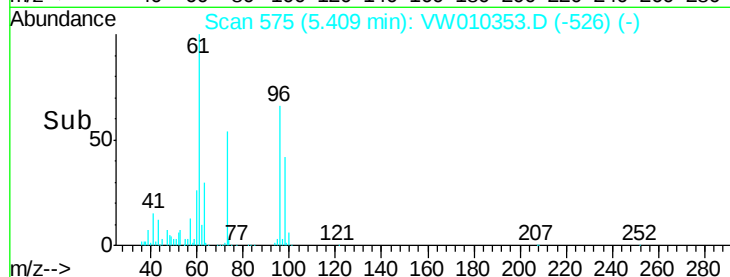
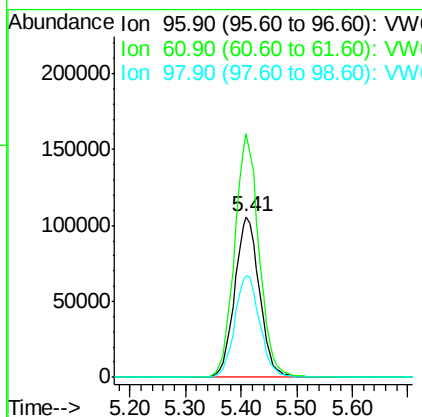
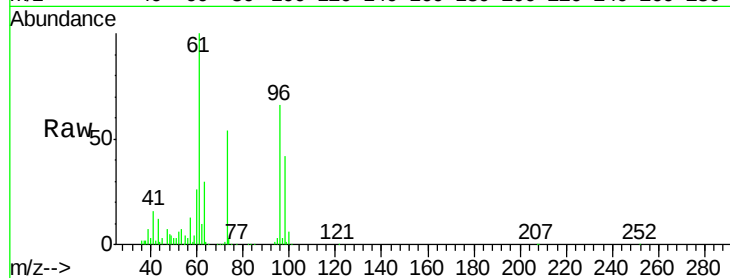
ClientSampleId :

VW0510SBS01

Tot Ion:	96	Resp:	323887
Ion Ratio	Lower	Upper	
96	100		
61	151.6	122.3	183.5
98	63.4	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.598 ug/l

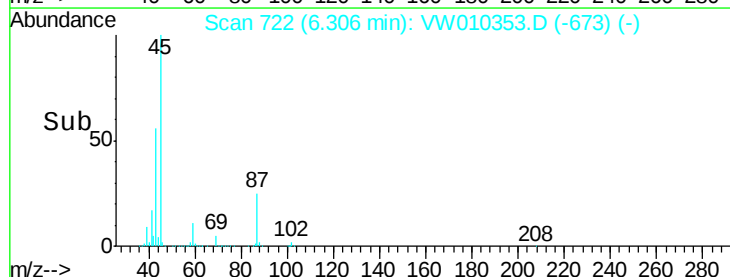
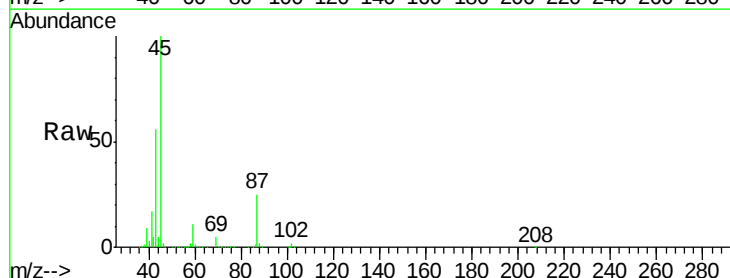
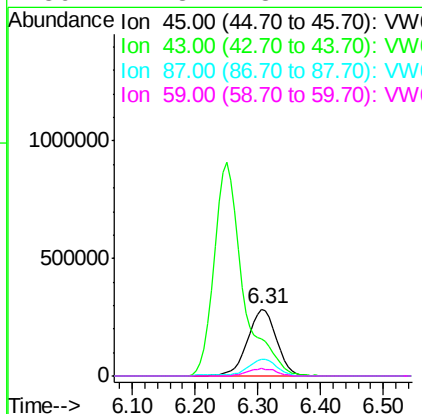
RT: 6.31 min Scan# 722

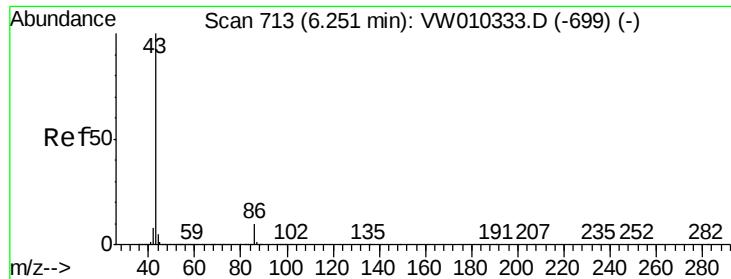
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	45	Resp:	911339
Ion Ratio	Lower	Upper	
45	100		
43	54.9	46.1	69.1
87	24.8	18.3	27.5
59	11.3	8.2	12.4





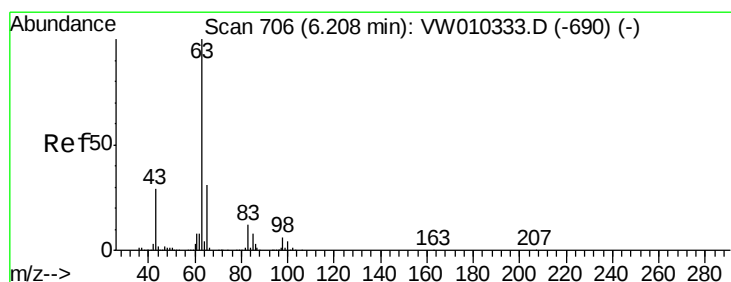
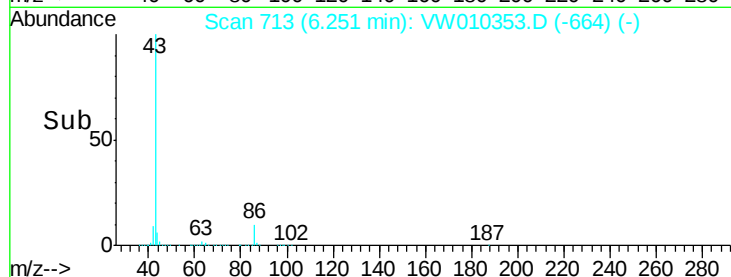
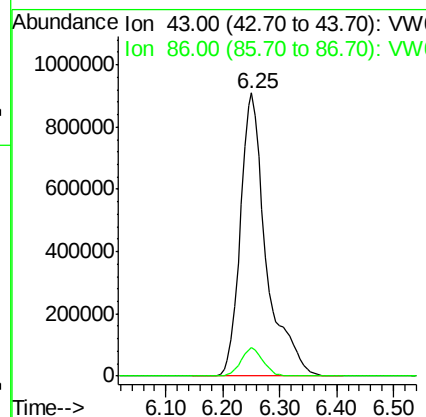
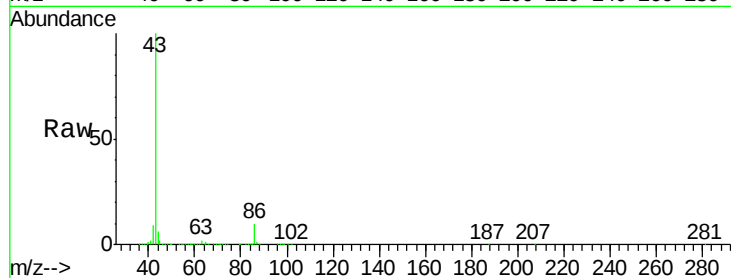
#23
 Vinyl Acetate
 Concen: 99.624 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Tot Ion: 43 Resp: 2886431
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.0 10.6

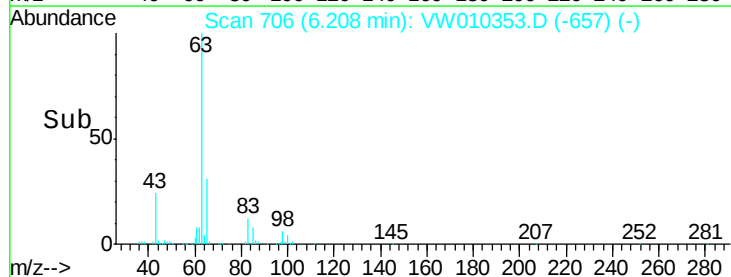
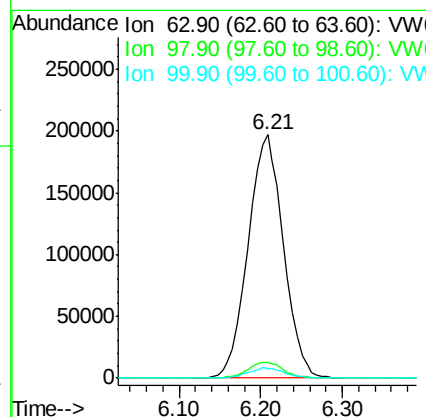
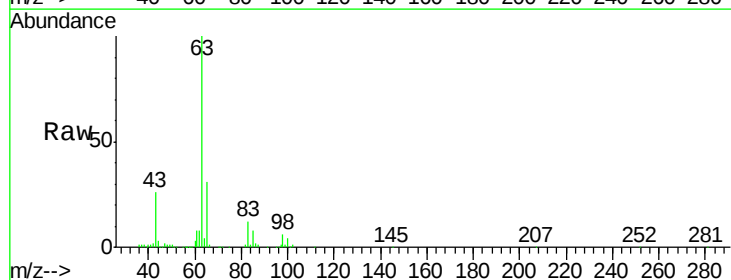
Manual Integrations
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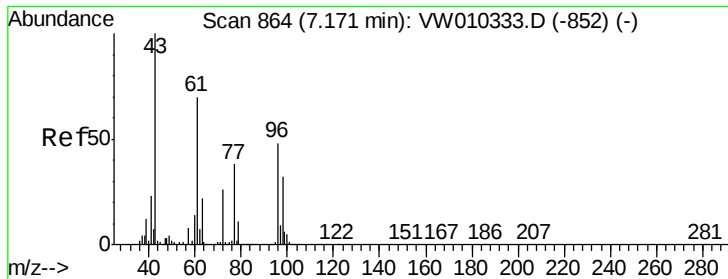
MMDadoda
 5/11/2019 12:12:02 PM



#24
 1,1-Dichloroethane
 Concen: 20.873 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion: 63 Resp: 592978
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 82.865 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampled :

VW0510SBS01

Tot Ion: 43 Resp: 469283

Ion Ratio Lower Upper

43 100

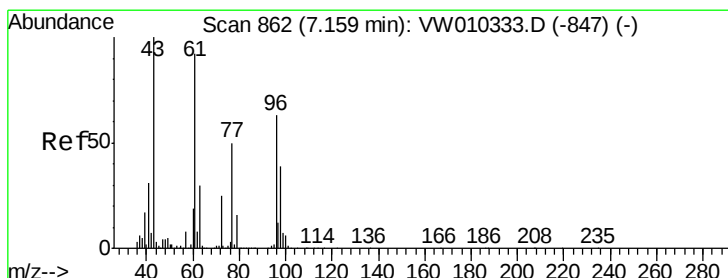
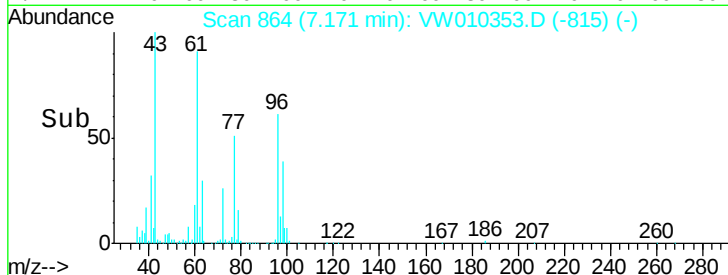
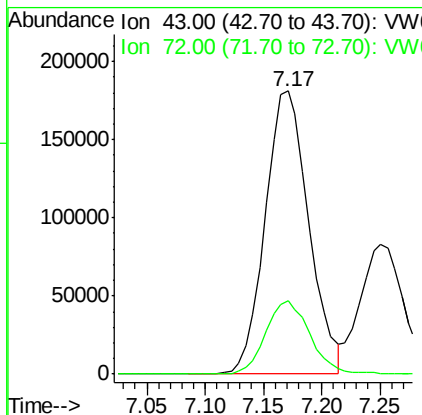
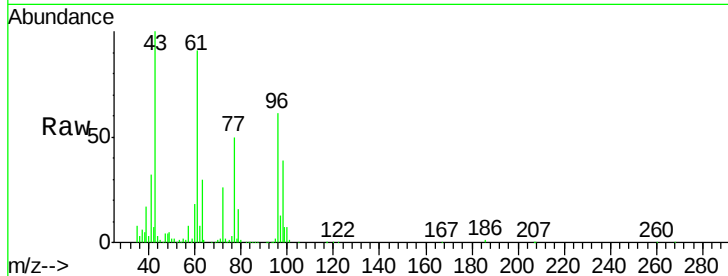
72 26.0 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

5/11/2019 12:12:02 PM



#26

2,2-Dichloropropane

Concen: 21.777 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010353.D

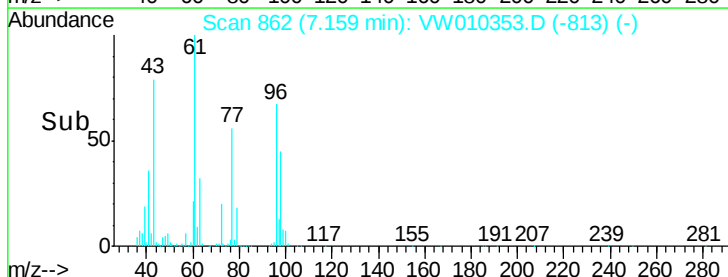
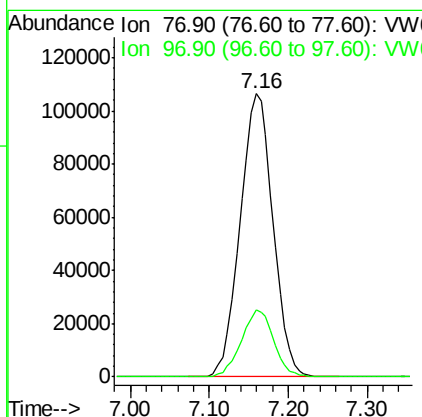
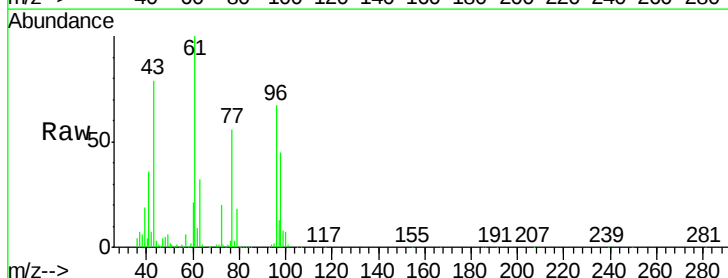
Acq: 10 May 2019 13:46

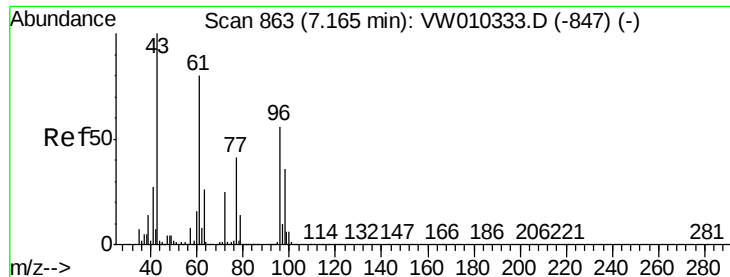
Tgt Ion: 77 Resp: 307807

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.922 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010353.D

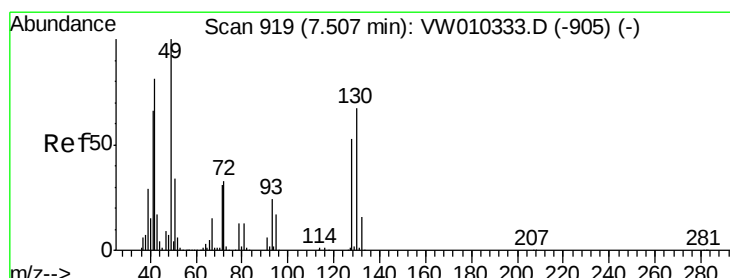
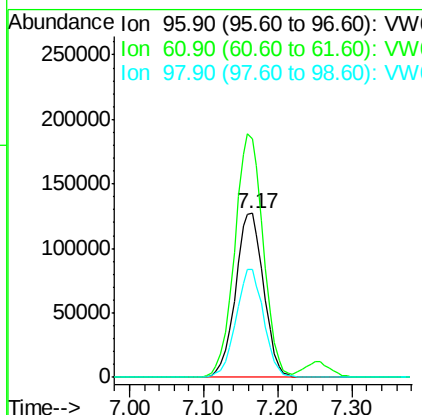
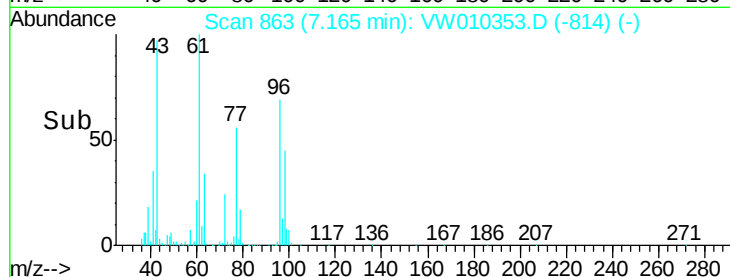
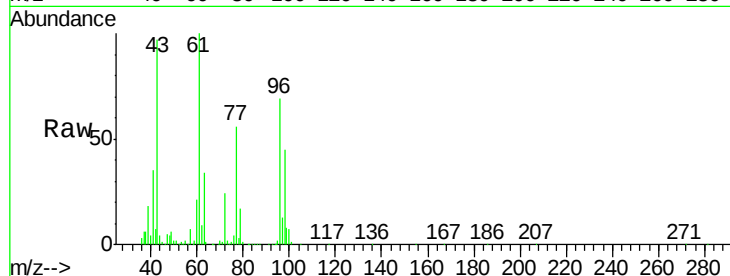
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampled :
VW0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	337337		
61	149.6	0.0	309.4	
98	64.5	0.0	128.6	

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#28

Bromochloromethane

Concen: 23.808 ug/l

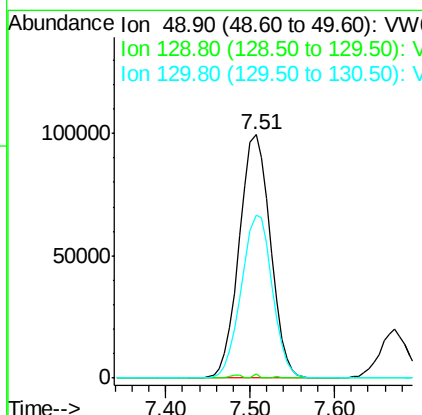
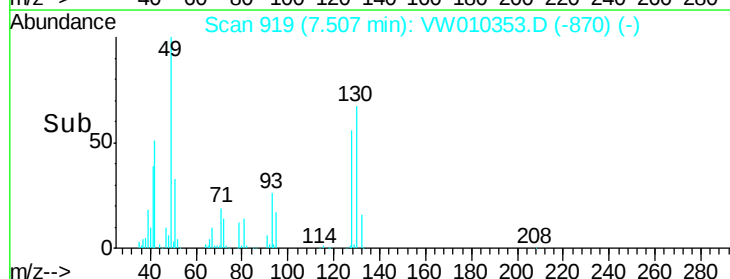
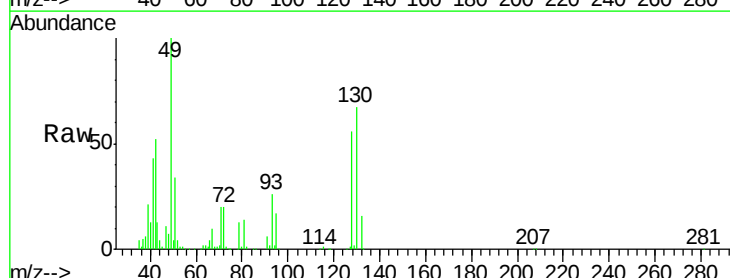
RT: 7.51 min Scan# 919

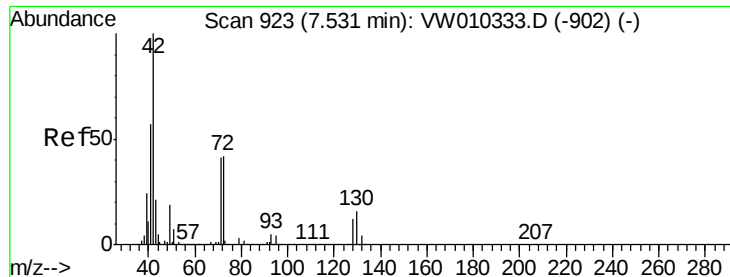
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	249352		
129	0.3	0.0	3.8	
130	66.7	54.6	82.0	





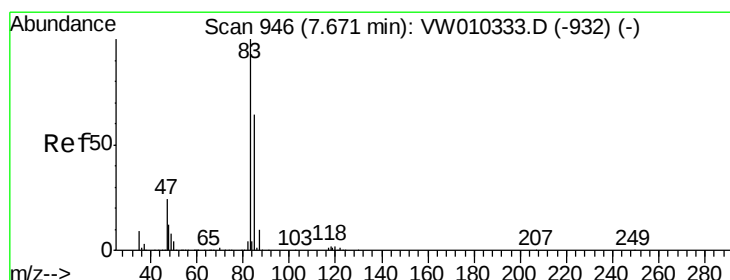
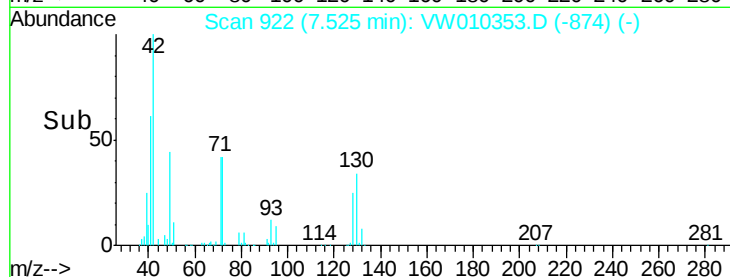
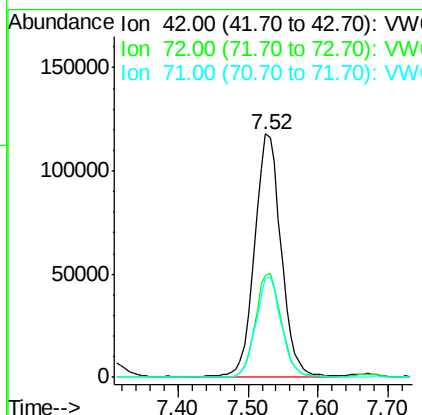
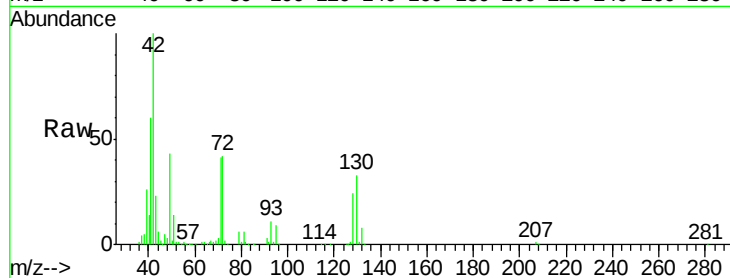
#29
Tetrahydrofuran
Concen: 84.718 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	31.0	46.6
71	39.7	29.7	44.5

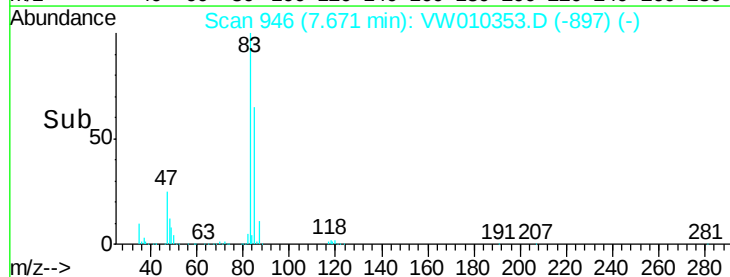
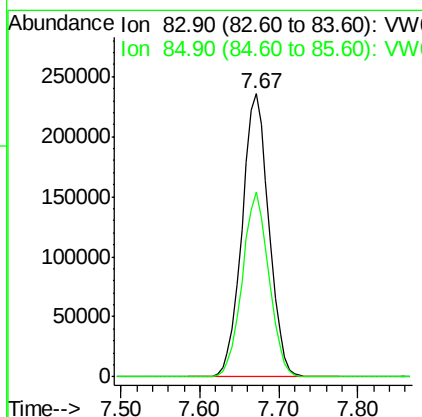
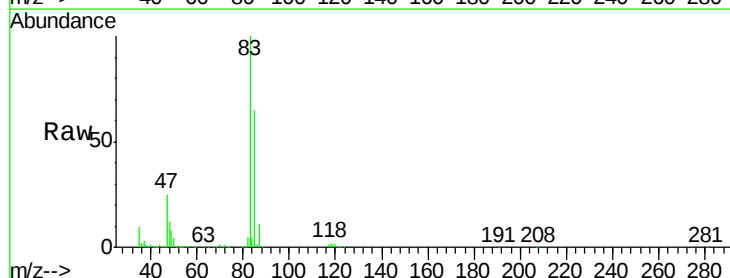
Manual Integrations
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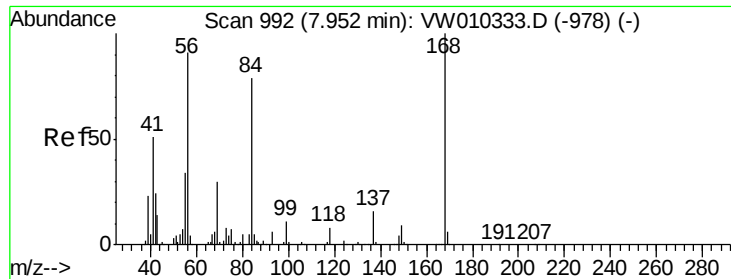
MMDadoda
5/11/2019 12:12:02 PM



#30
Chloroform
Concen: 20.945 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





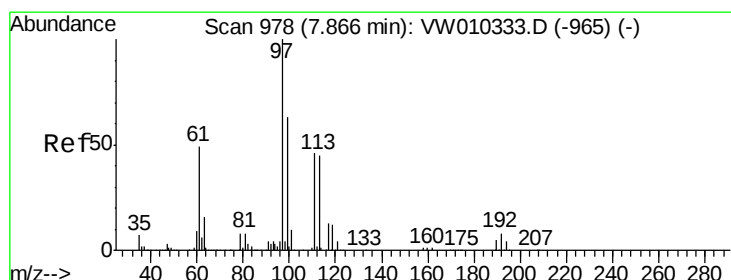
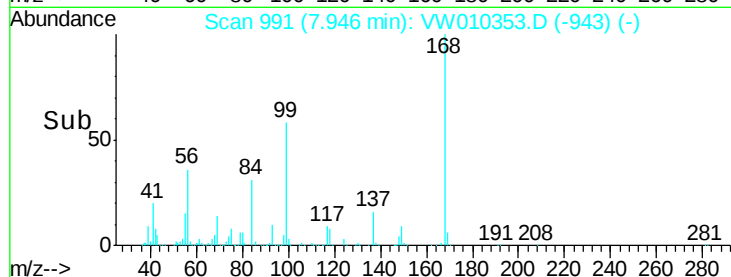
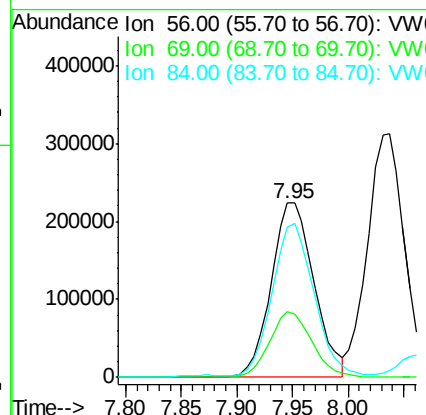
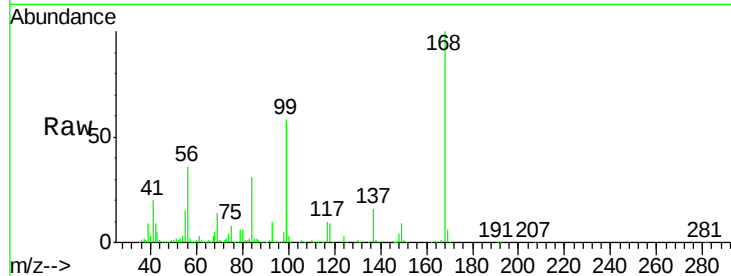
#31
Cvclohexane
Concen: 20.661 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.6	40.0
84	85.0	66.2	99.2

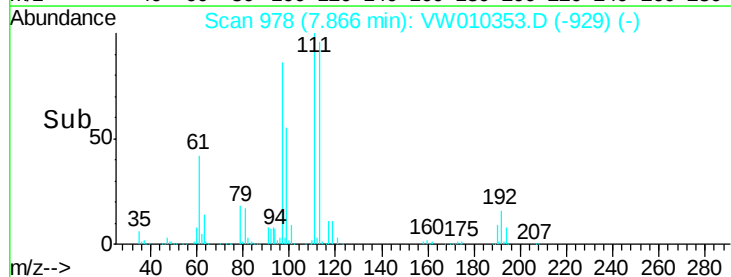
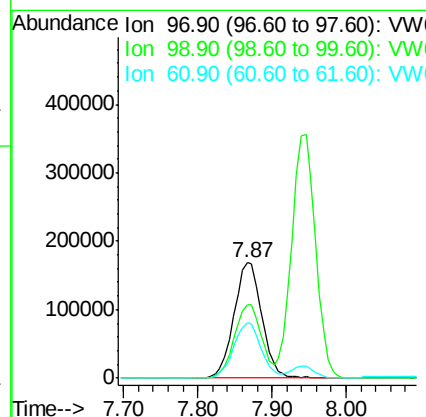
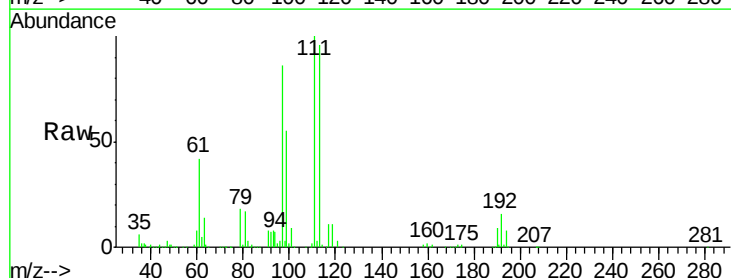
Manual Integrations
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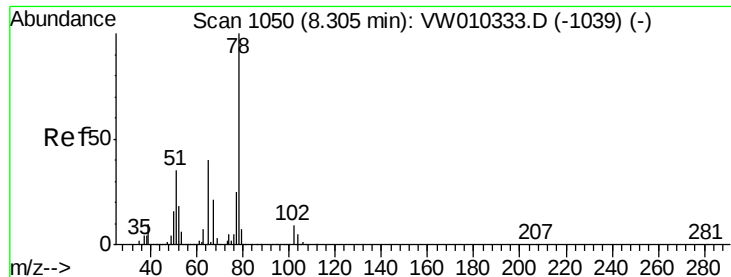
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.417 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.2	75.2
61	47.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 49.793 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 65 Resp: 707076

Ion Ratio Lower Upper

65 100

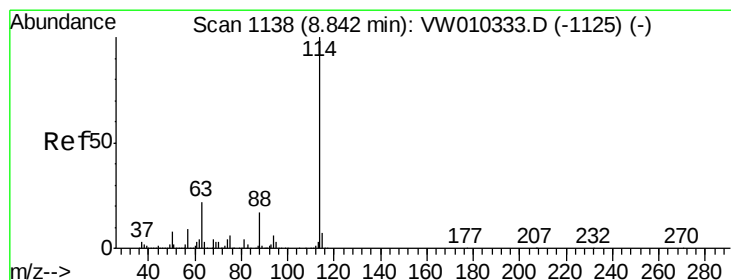
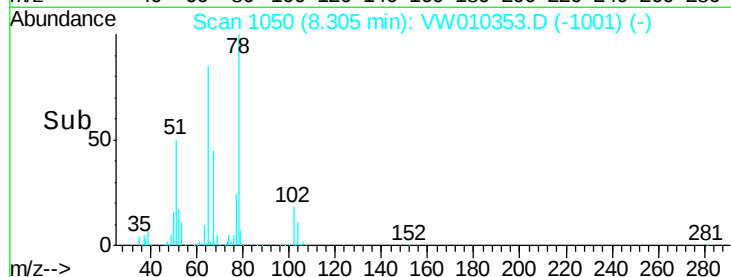
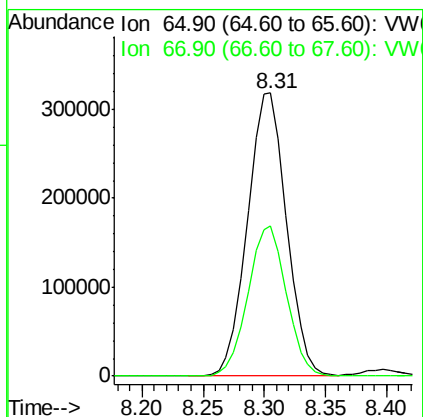
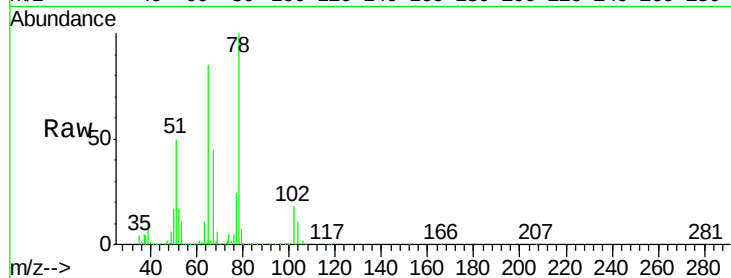
67 52.2 0.0 100.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

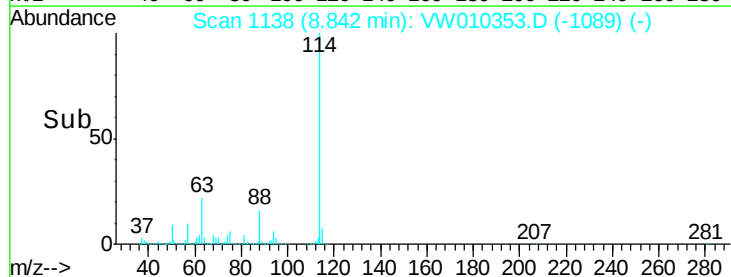
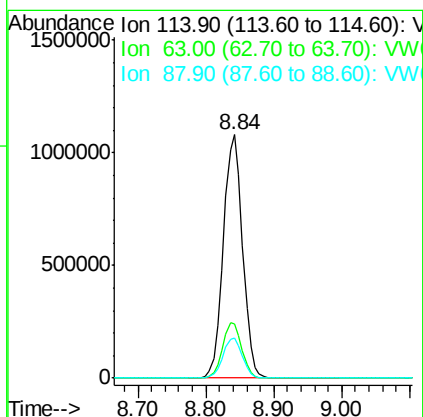
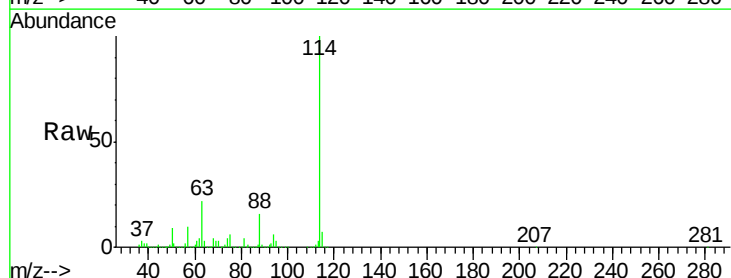
Tgt Ion: 114 Resp: 2111813

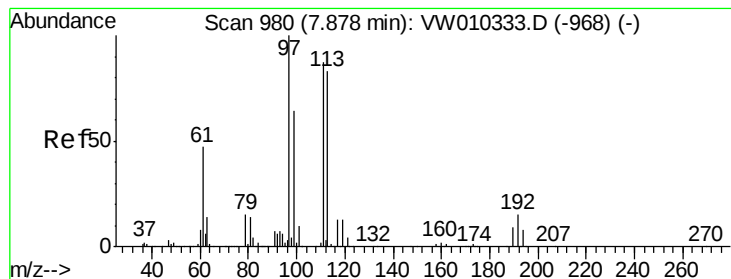
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.725 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

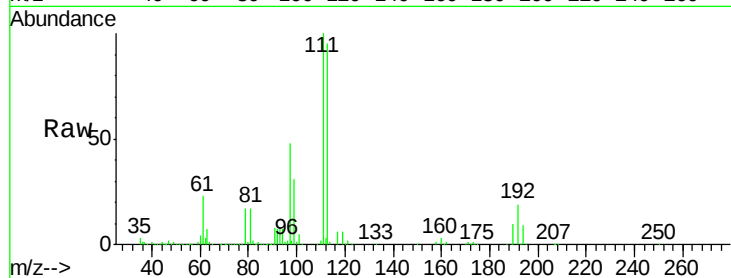
ClientSampleId :

VW0510SBS01

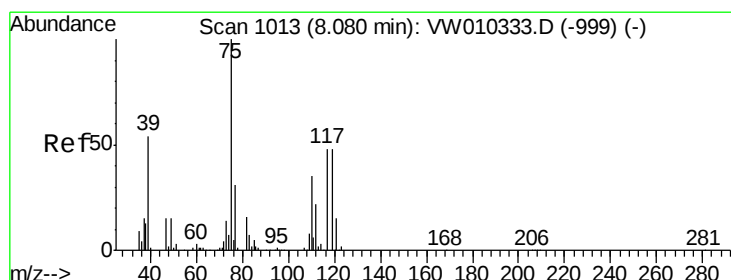
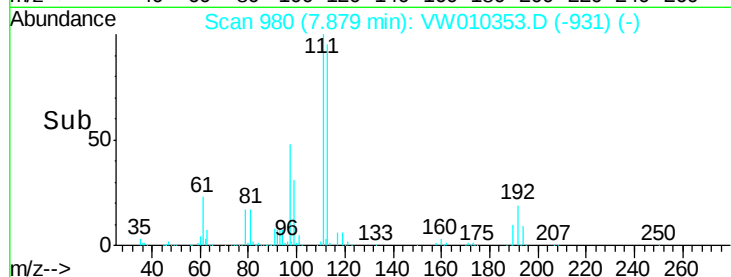
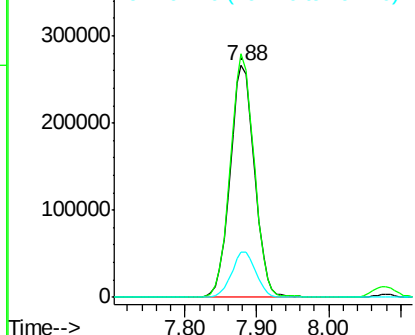
Tot Ion:	113	Resp:	626860
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.6	123.8
192	19.6	15.4	23.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.289 ug/l

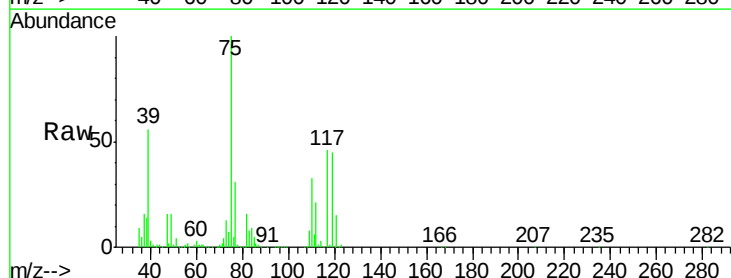
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

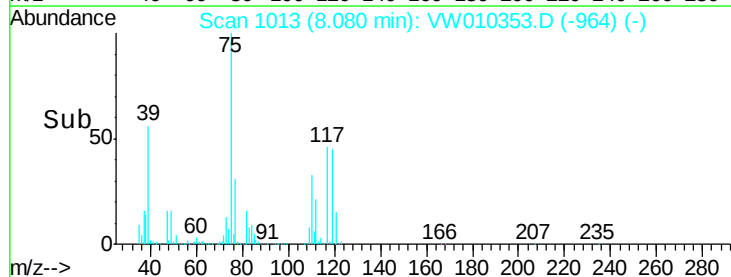
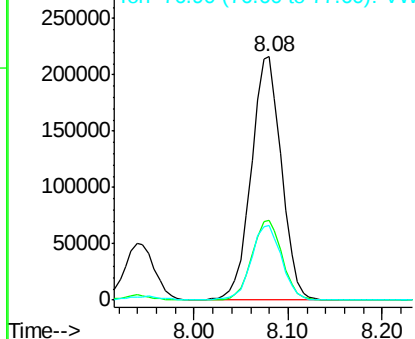
Lab File: VW010353.D

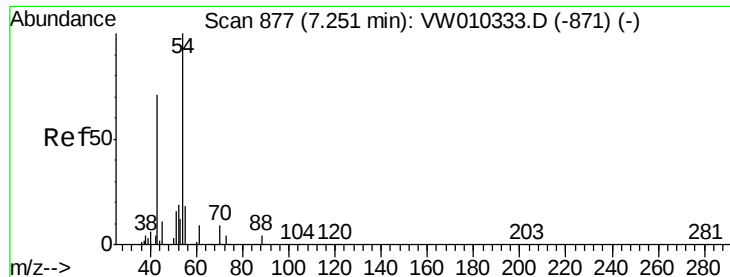
Acq: 10 May 2019 13:46

Tgt Ion:	75	Resp:	487462
Ion Ratio	Lower	Upper	
75	100		
110	32.7	16.6	49.8
77	31.2	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





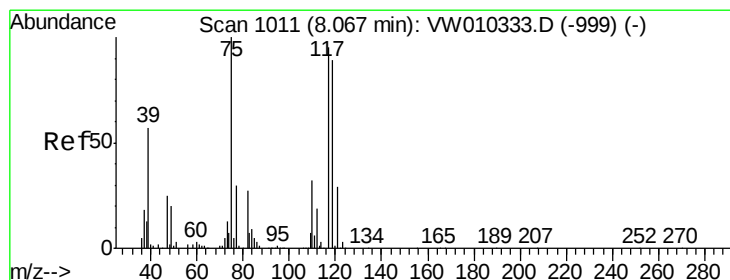
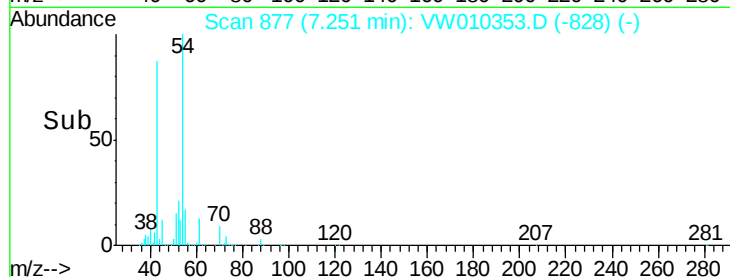
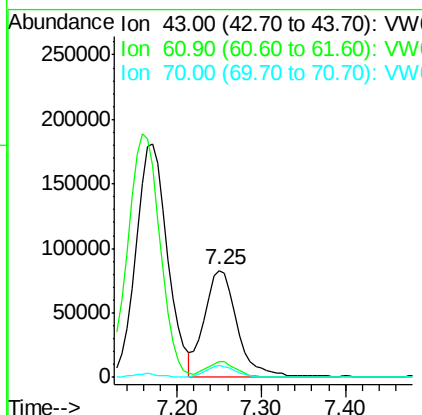
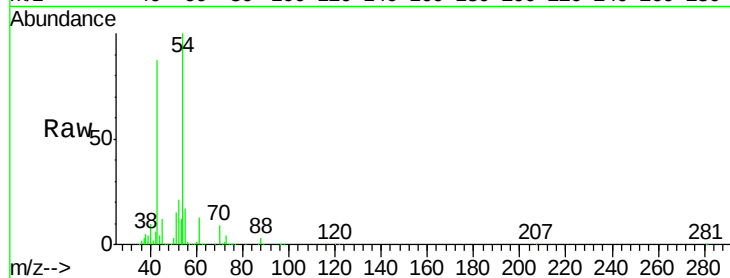
#37
Ethyl Acetate
Concen: 18.103 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleID :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.8	14.8
70	10.3	7.4	11.0

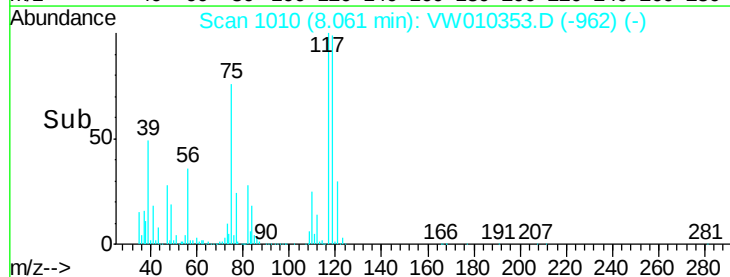
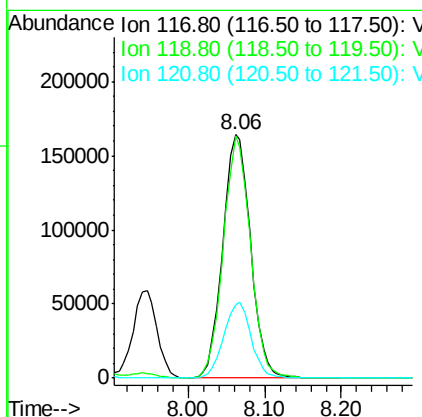
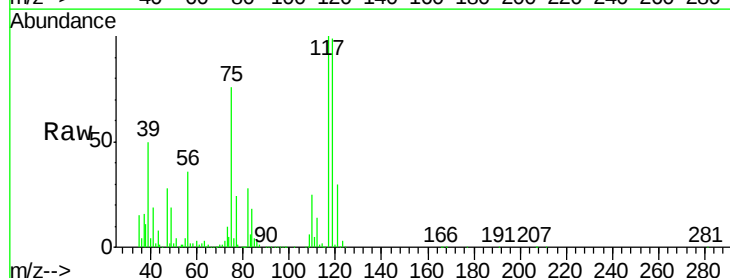
Manual Integrations
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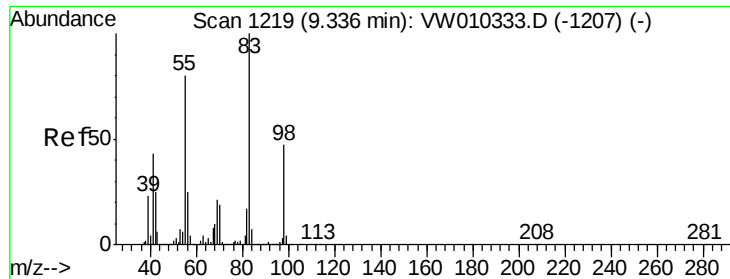
MMDadoda
5/11/2019 12:12:02 PM



#38
Carbon Tetrachloride
Concen: 21.092 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	75.3	112.9
121	30.2	24.4	36.6





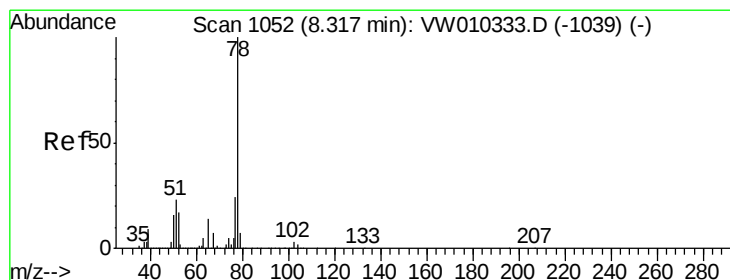
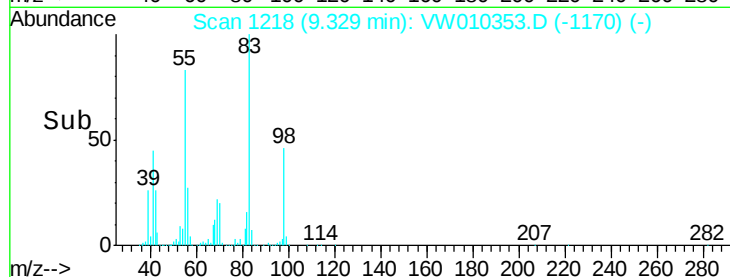
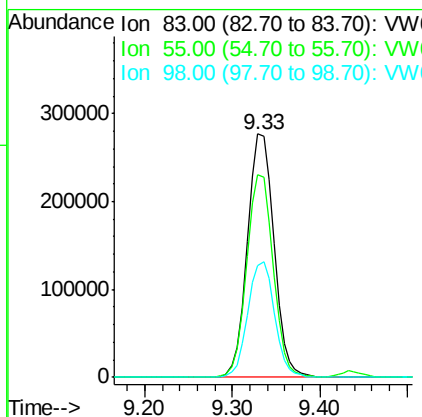
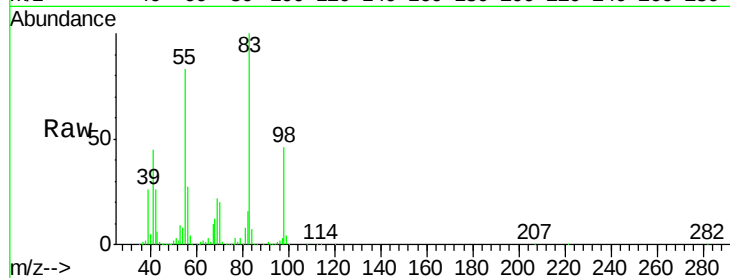
#39
Methvlcvclohexane
Concen: 20.955 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.2	67.1	100.7	
98	46.0	39.2	58.8	

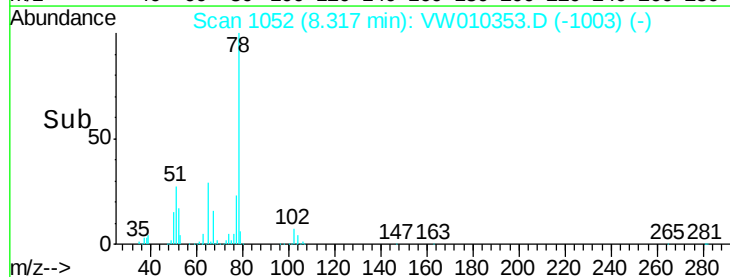
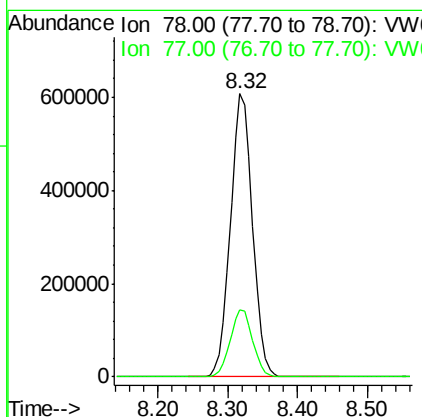
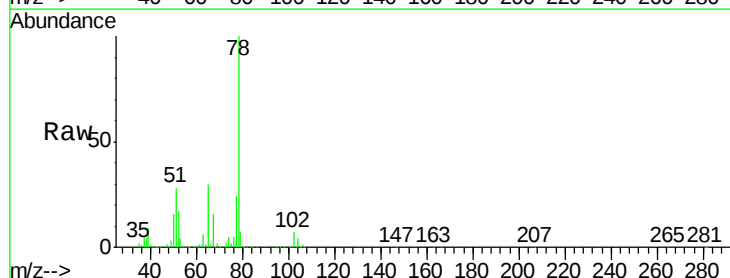
Manual Integrations
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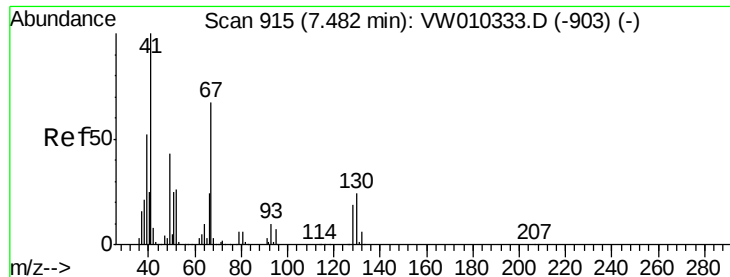
MMDadoda
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#40
Benzene
Concen: 21.177 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.1	28.7	





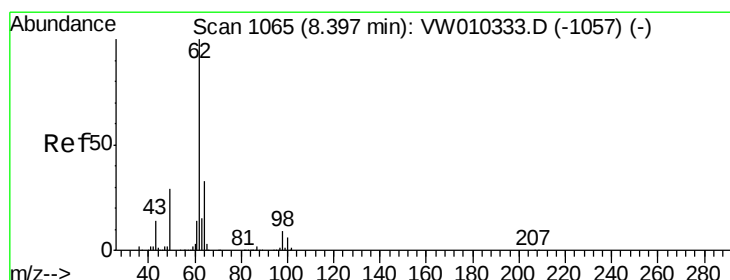
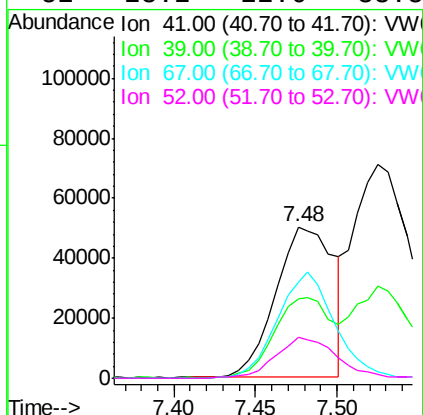
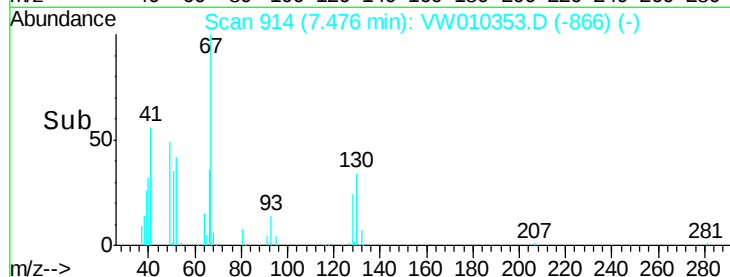
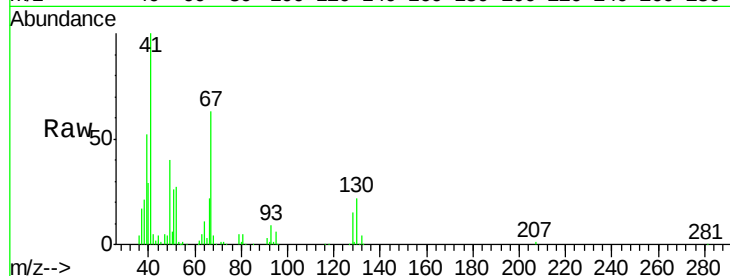
#41
Methacrylonitrile
Concen: 18.165 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	45.0	67.4	
67	69.8	50.7	76.1	
52	28.2	22.6	33.8	

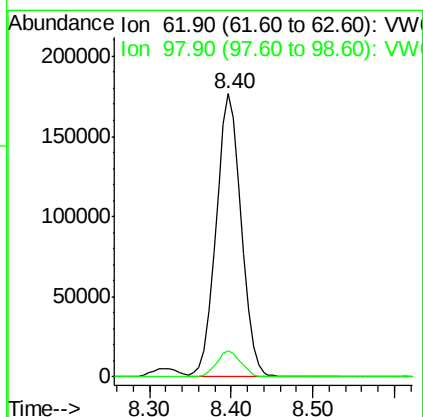
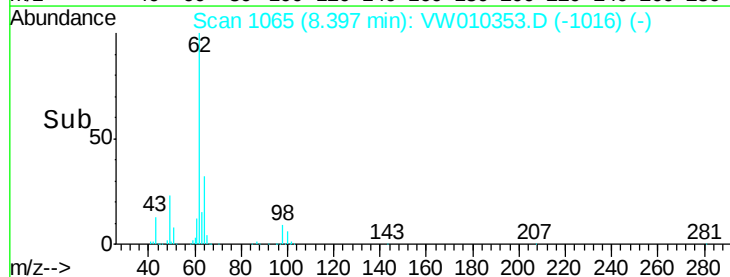
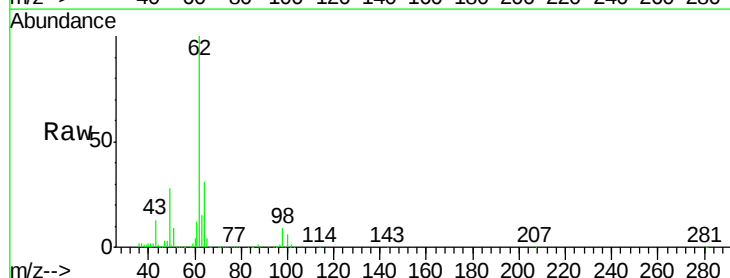
Manual Integrations
APPROVED

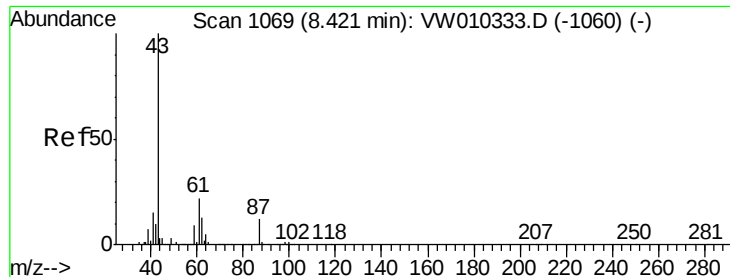
MMDadoda
5/11/2019 12:12:02 PM



#42
1,2-Dichloroethane
Concen: 21.066 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	16.6	





#43

Isopropyl Acetate

Concen: 18.141 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

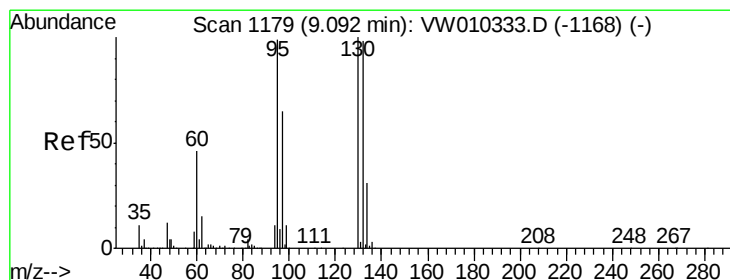
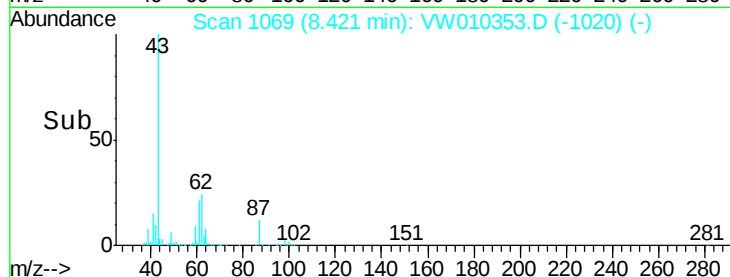
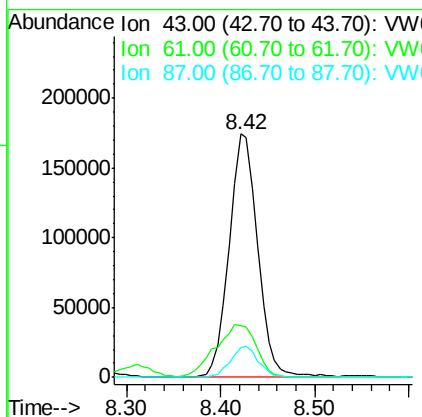
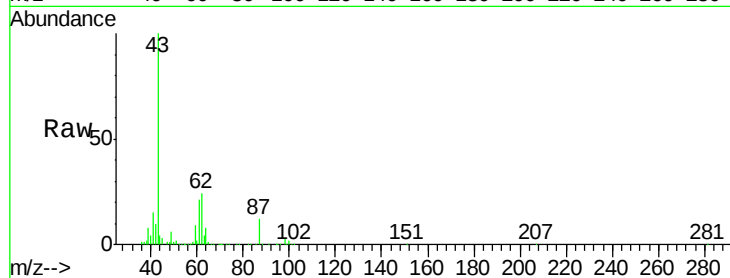
ClientSampleId :

VW0510SBS01

Tot Ion:	43	Resp:	366792
Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.0	34.6
87	12.6	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 20.632 ug/l

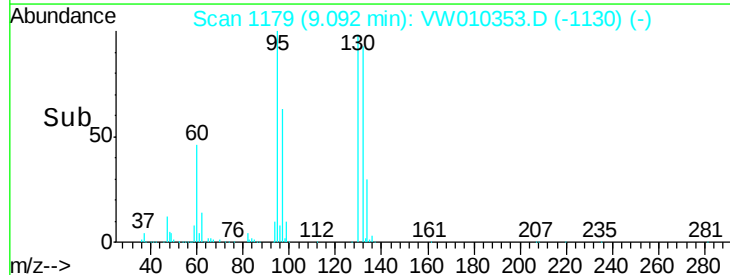
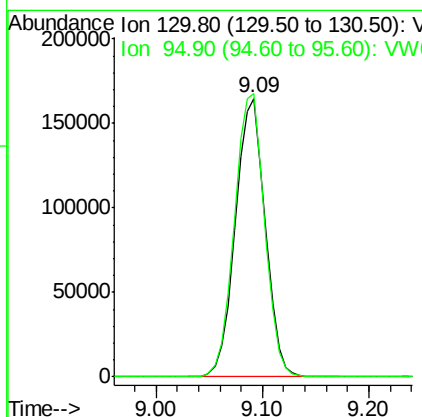
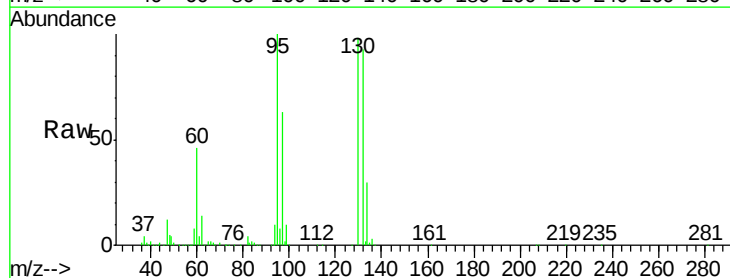
RT: 9.09 min Scan# 1179

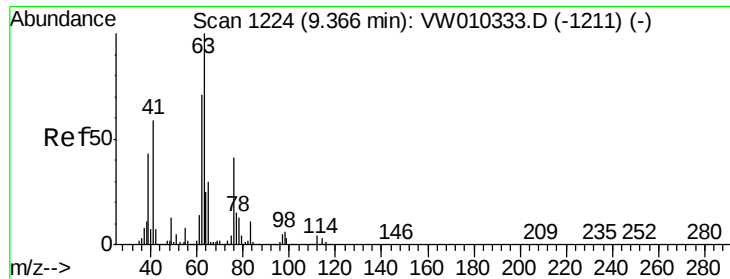
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	130	Resp:	323905
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	205.4





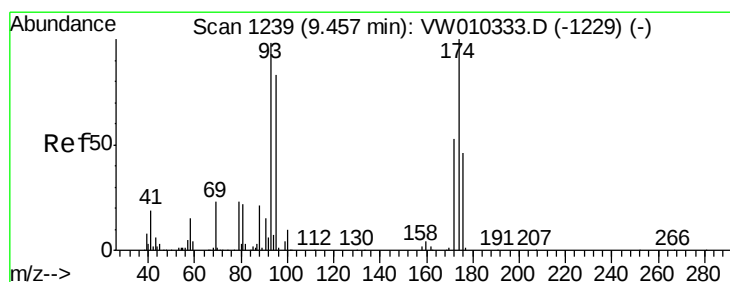
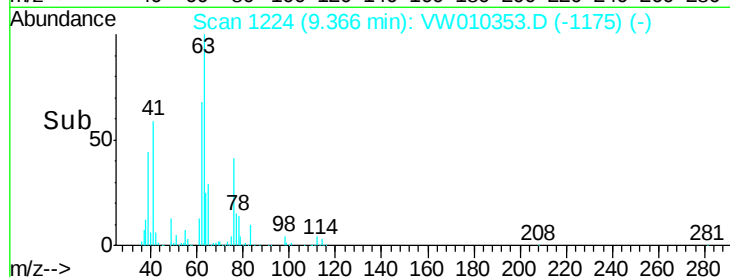
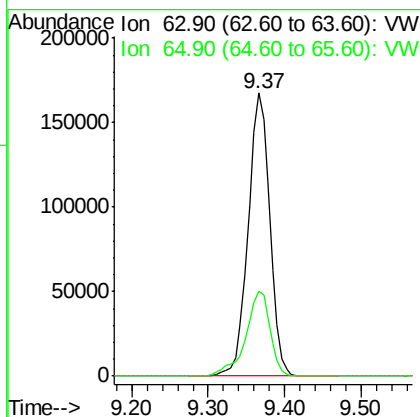
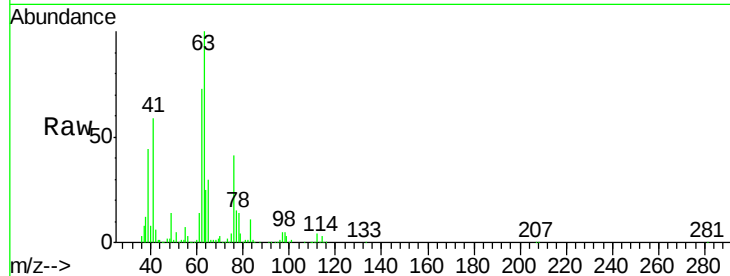
#45
 1,2-Dichloropropane
 Concen: 21.224 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.8	35.6

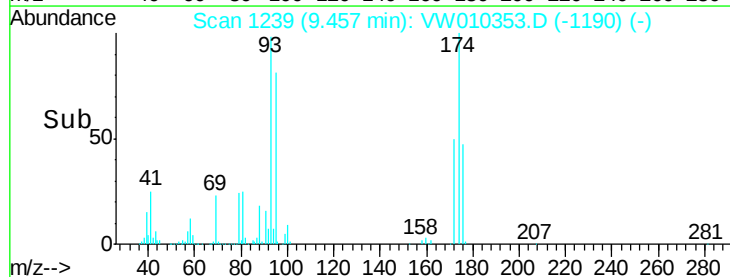
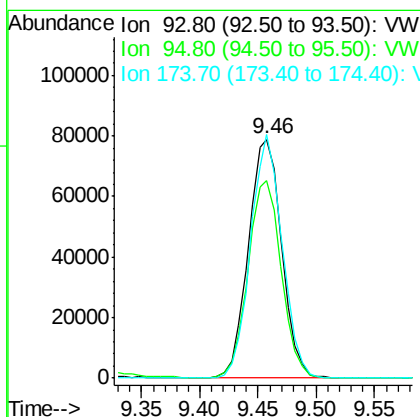
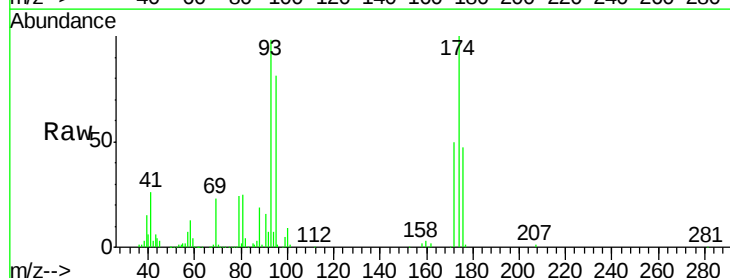
Manual Integrations
 APPROVED

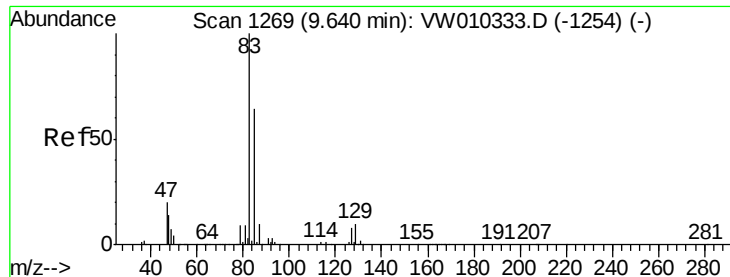
MMDadoda
 5/11/2019 12:12:02 PM



#46
 Dibromomethane
 Concen: 19.569 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.8
174	96.5	75.5	113.3





#47

Bromodichloromethane

Concen: 20.699 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

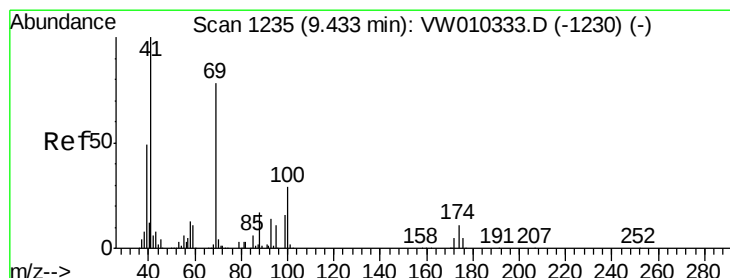
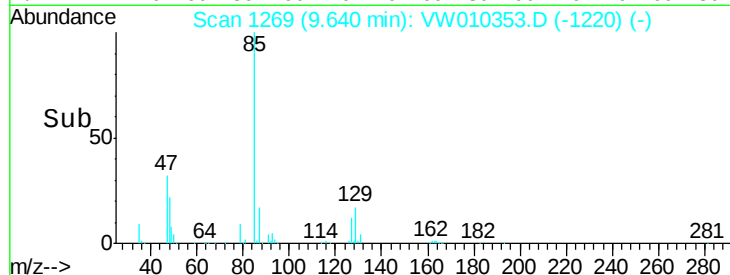
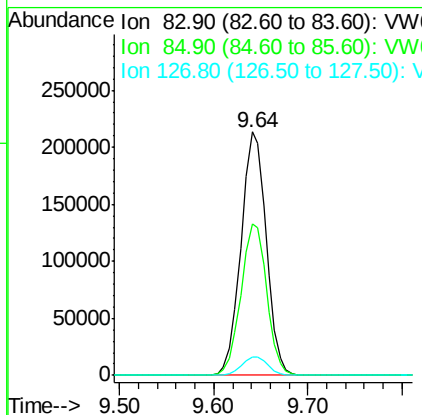
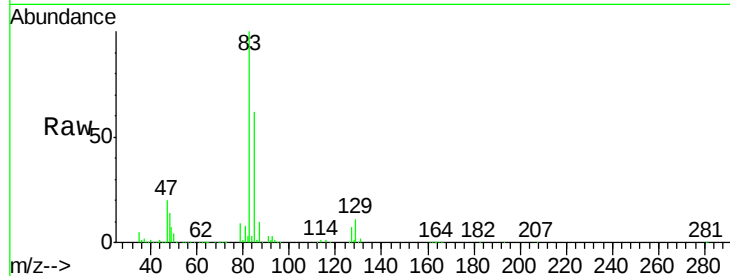
ClientSampled :

VW0510SBS01

Tot Ion:	83	Resp:	399841
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.6	75.8
127	7.3	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.618 ug/l

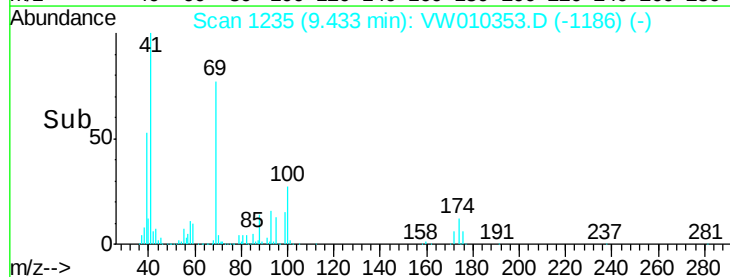
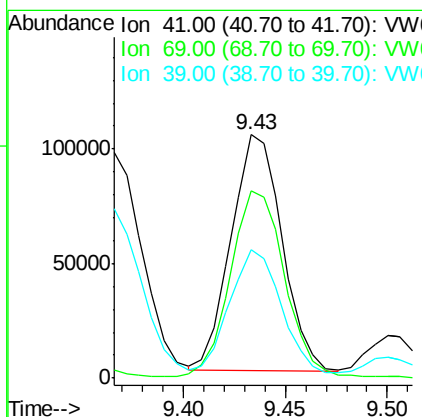
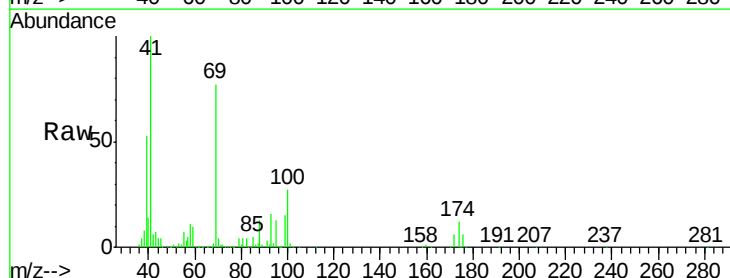
RT: 9.43 min Scan# 1235

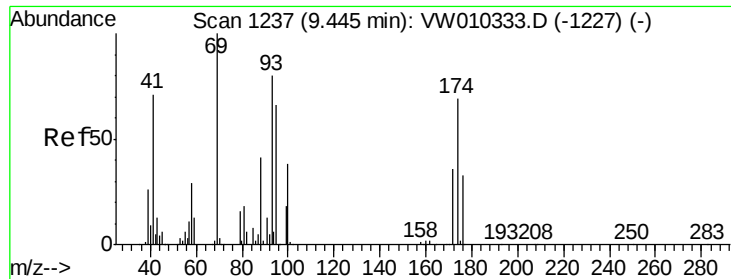
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	41	Resp:	177993
Ion Ratio	Lower	Upper	
41	100		
69	84.9	60.1	90.1
39	53.0	51.0	76.6





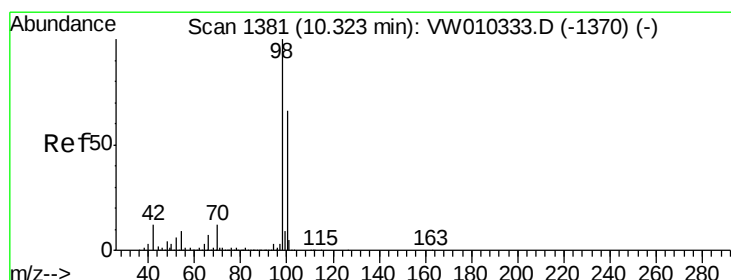
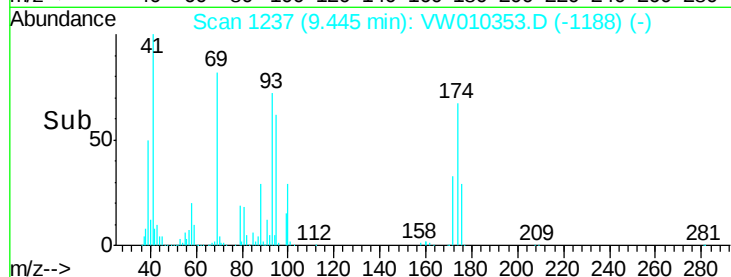
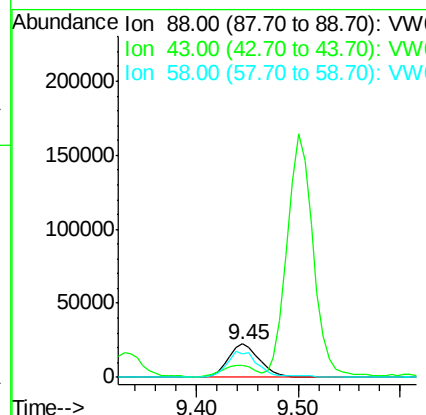
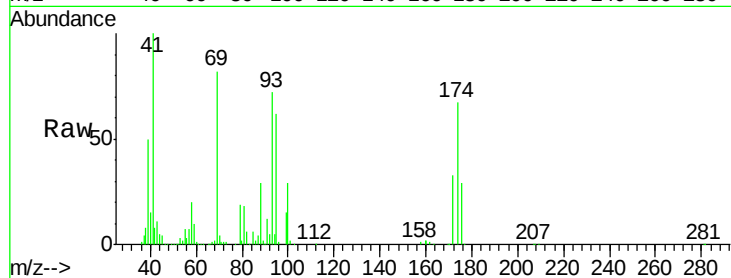
#49
1,4-Dioxane
Concen: 343.034 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	88	Resp	48173
Ion Ratio	Lower	Upper	
88	100		
43	34.3	31.9	47.9
58	81.8	61.8	92.6

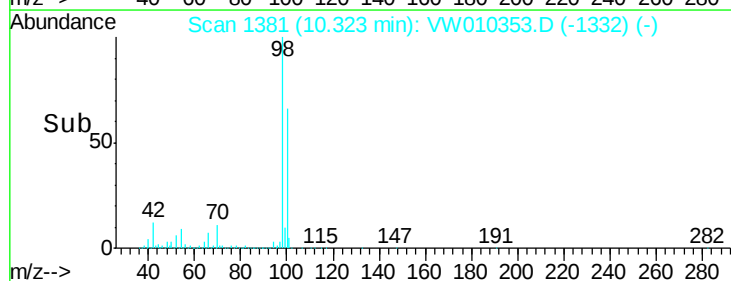
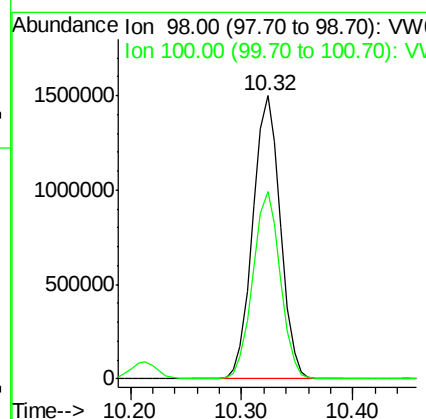
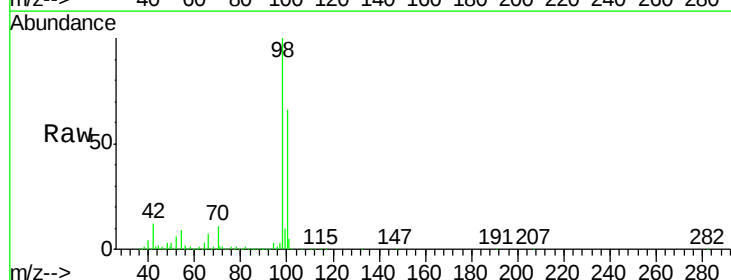
Manual Integrations
APPROVED

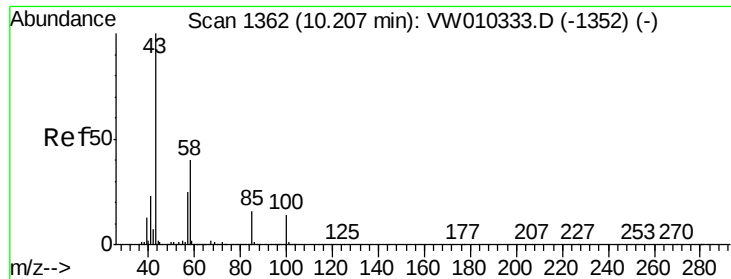
MMDadoda
5/11/2019 12:12:02 PM



#50
Toluene-d8
Concen: 51.331 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	98	Resp	2583098
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 89.680 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 43 Resp: 1039752

Ion Ratio Lower Upper

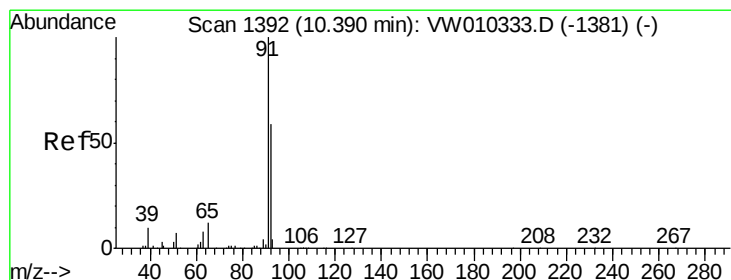
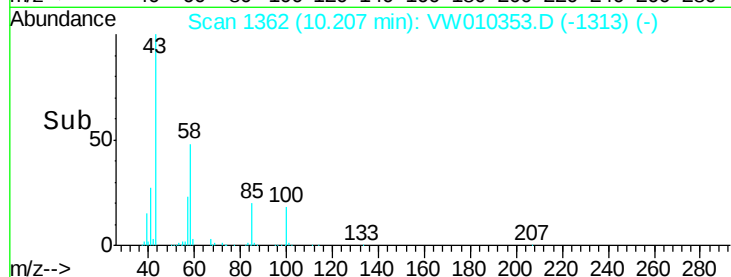
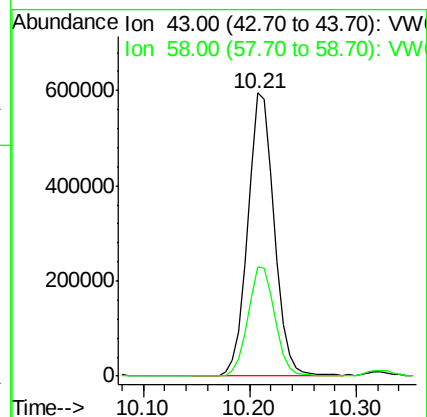
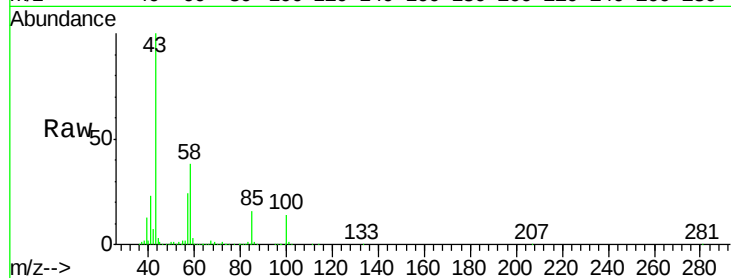
43 100

58 39.3 28.9 43.3

Manual Integrations
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#52

Toluene

Concen: 21.458 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010353.D

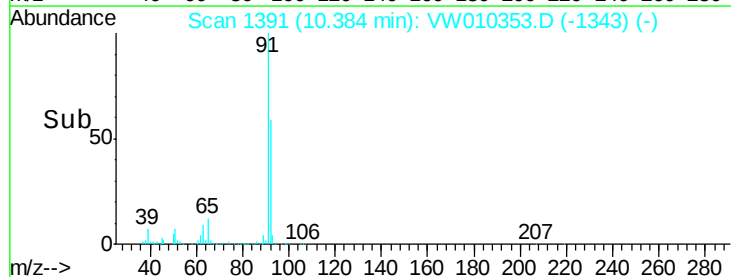
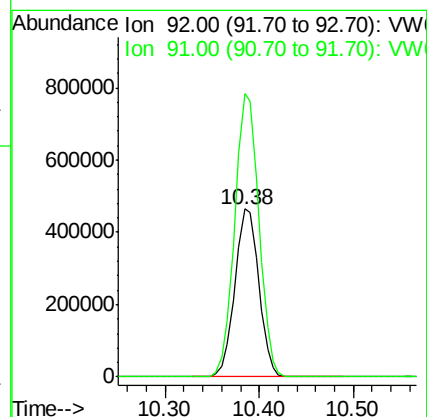
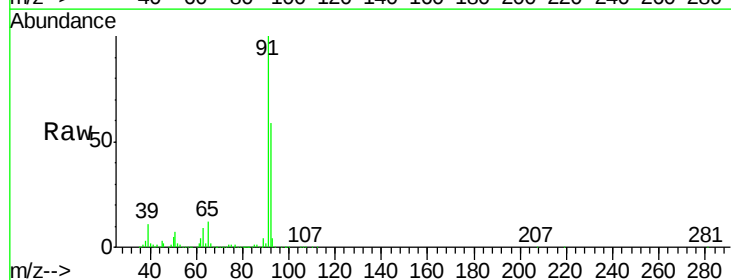
Acq: 10 May 2019 13:46

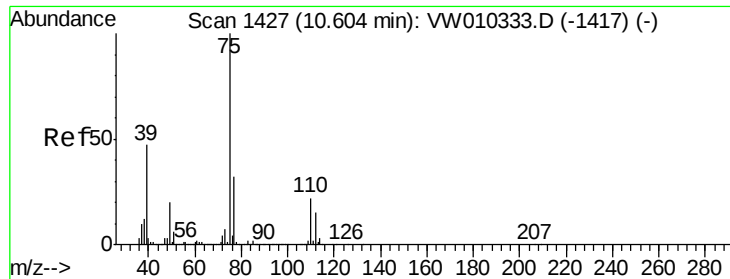
Tgt Ion: 92 Resp: 822463

Ion Ratio Lower Upper

92 100

91 169.7 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 20.152 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 75 Resp: 394298

Ion Ratio Lower Upper

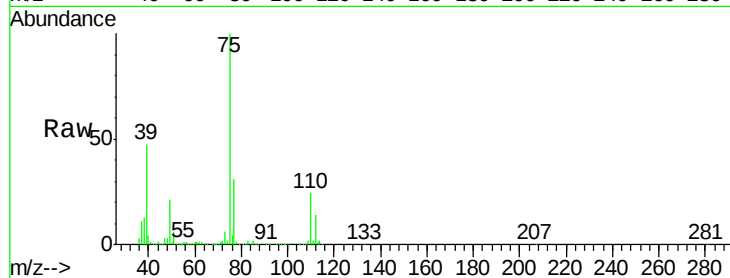
75 100

77 30.5 26.9 40.3

Manual Integrations
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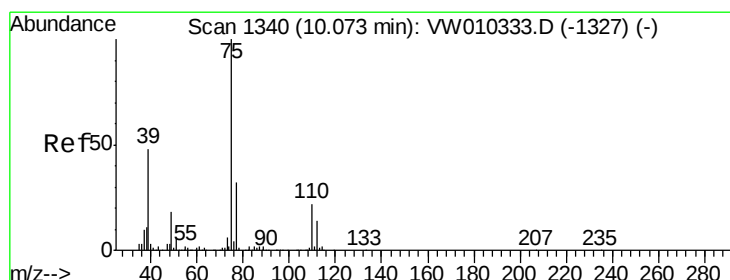
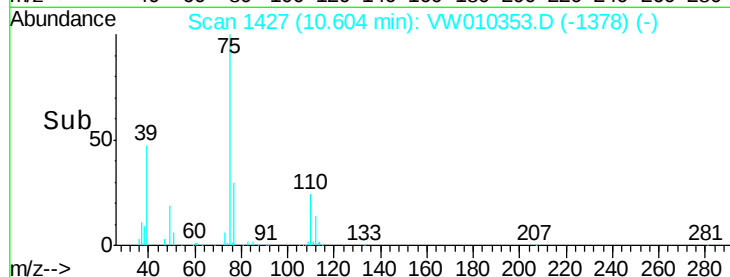
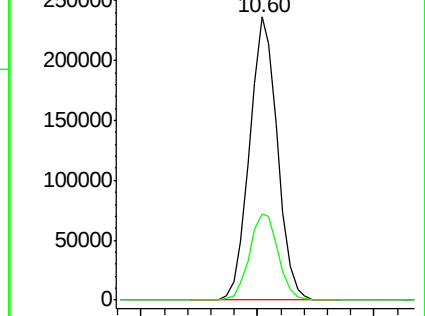
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.711 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

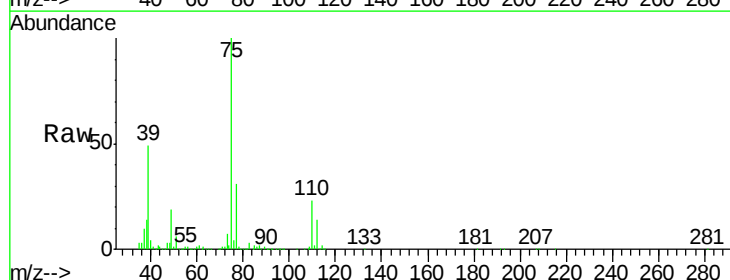
Tgt Ion: 75 Resp: 479915

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

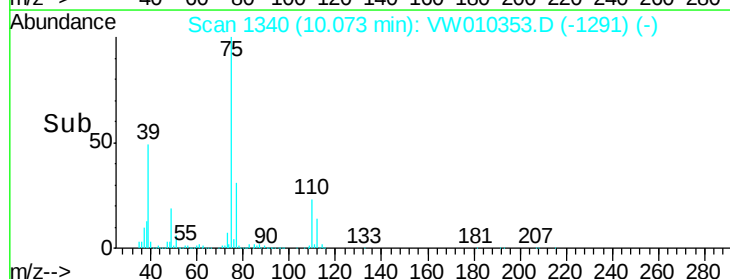
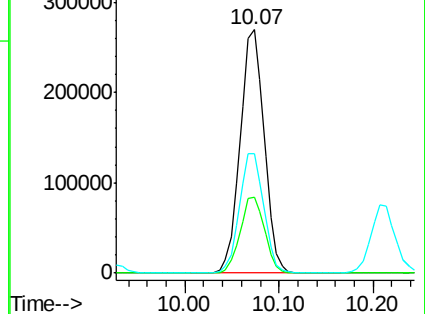
39 49.0 47.8 71.6

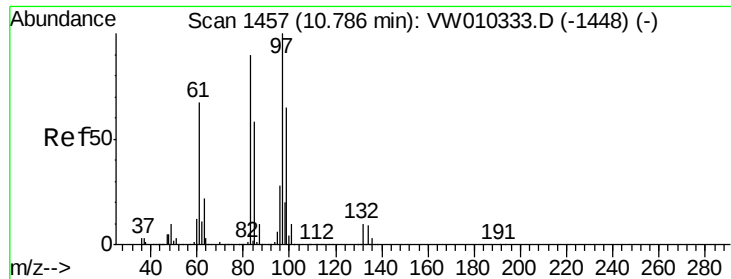


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 19.750 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

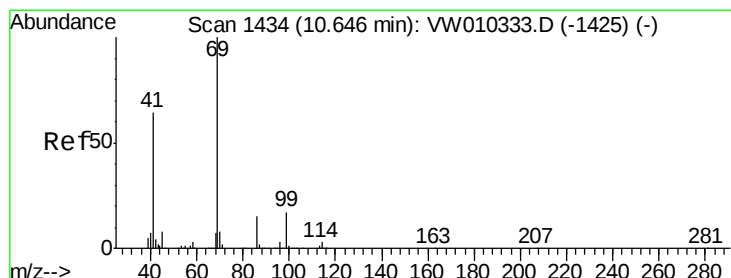
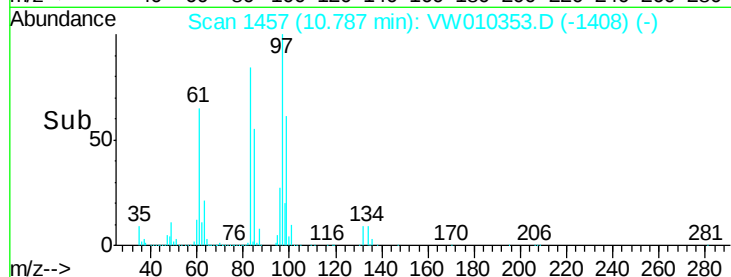
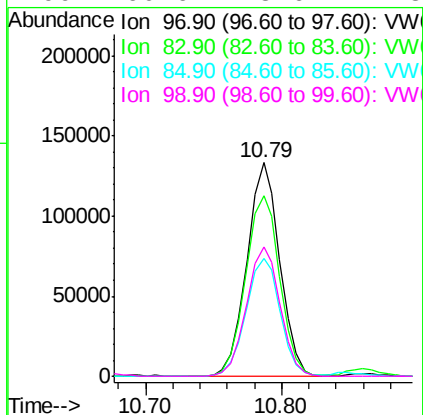
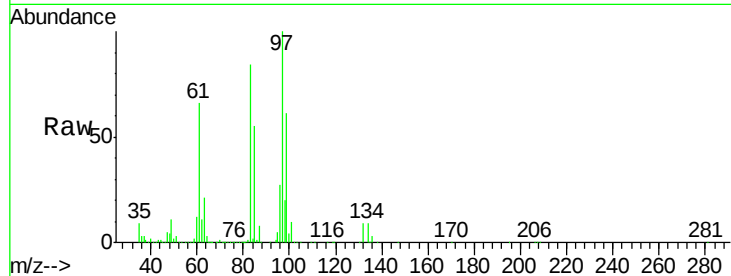
ClientSampleId :

VW0510SBS01

Tot Ion:	97	Resp:	225889
Ion	Ratio	Lower	Upper
97	100		
83	84.3	68.9	103.3
85	54.8	42.9	64.3
99	60.6	48.6	72.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.039 ug/l

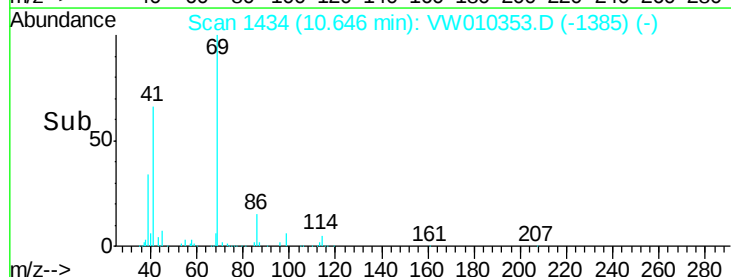
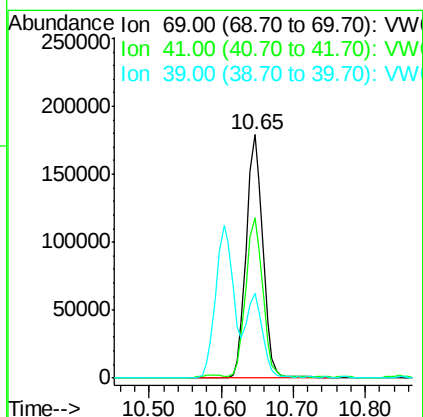
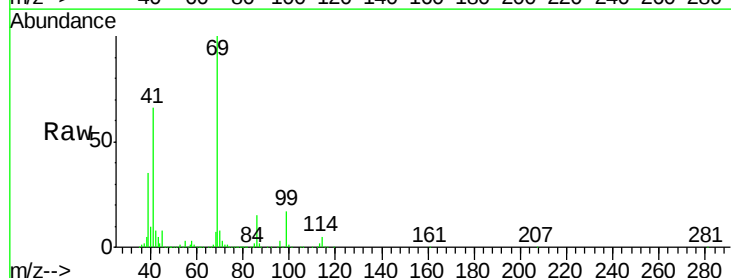
RT: 10.65 min Scan# 1434

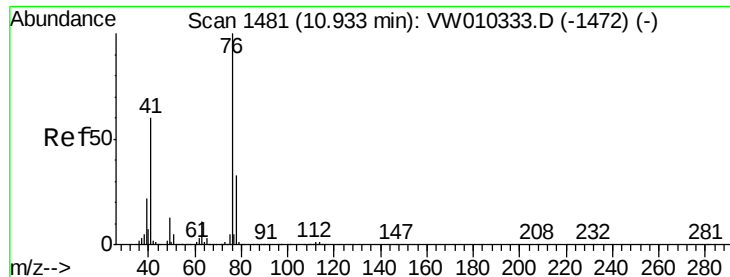
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	69	Resp:	287562
Ion	Ratio	Lower	Upper
69	100		
41	66.2	61.0	91.6
39	32.3	33.8	50.6#





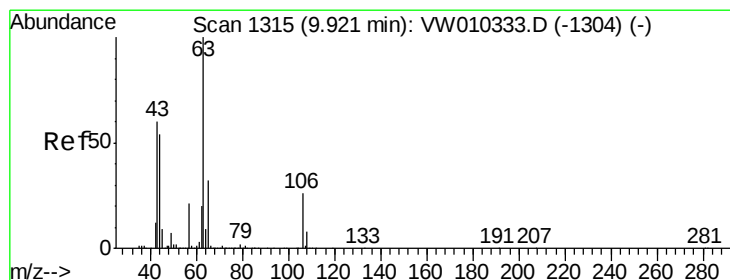
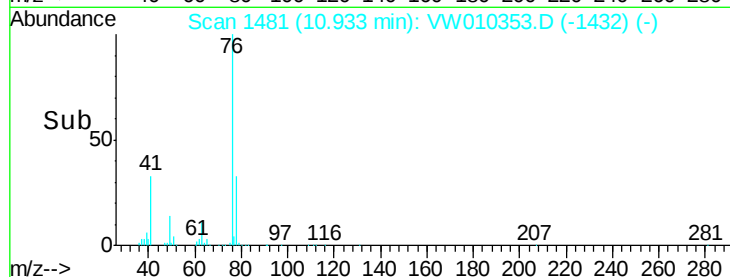
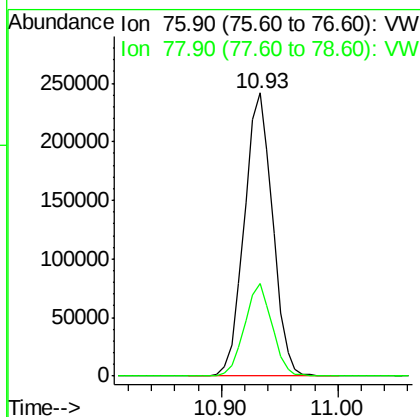
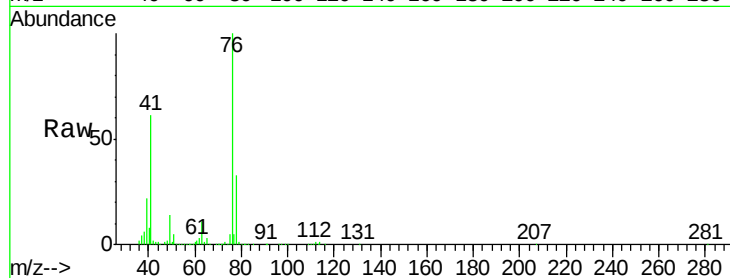
#57
 1,3-Dichloropropane
 Concen: 20.118 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Tot Ion: 76 Resp: 411346
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

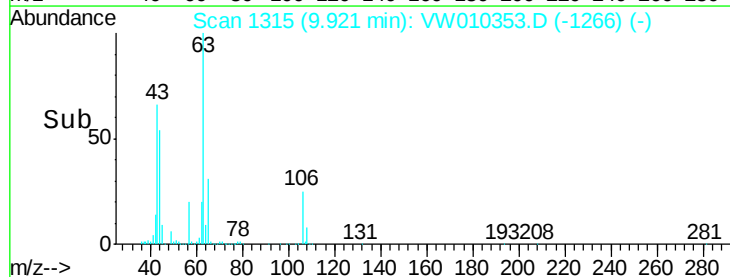
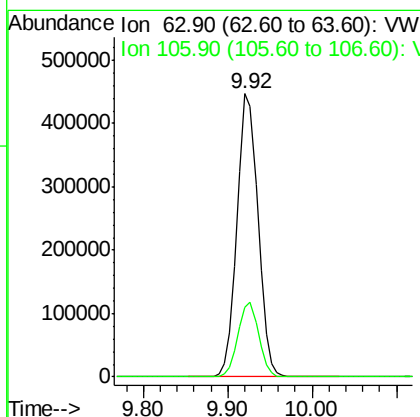
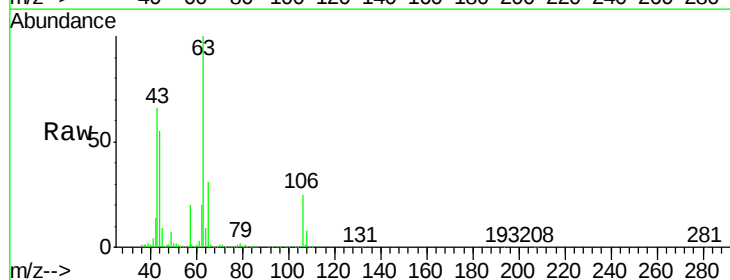
Manual Integrations
 APPROVED

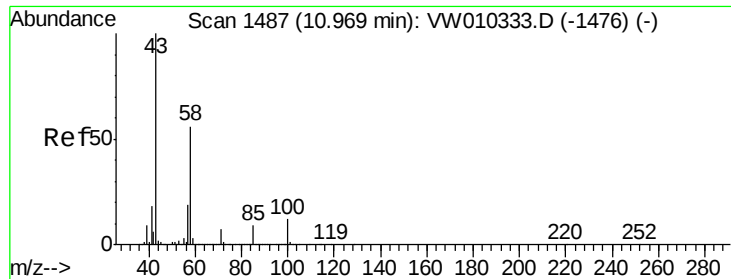
MMDadoda
 5/11/2019 12:12:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.447 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion: 63 Resp: 748071
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.4 32.0





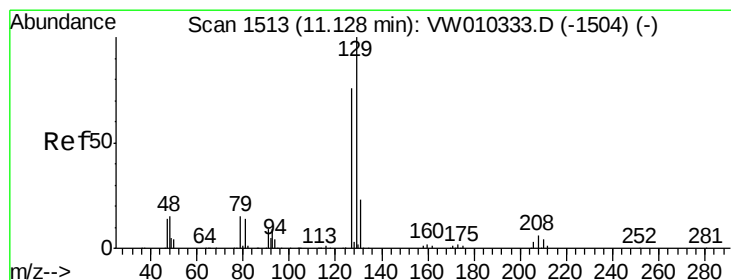
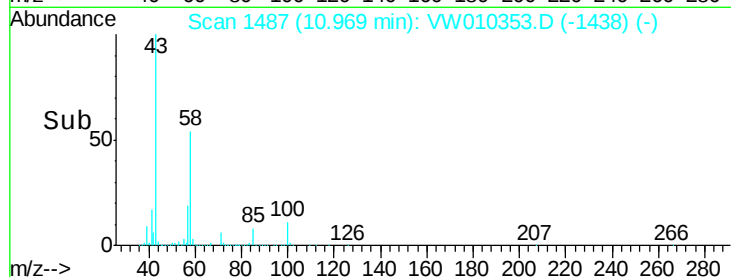
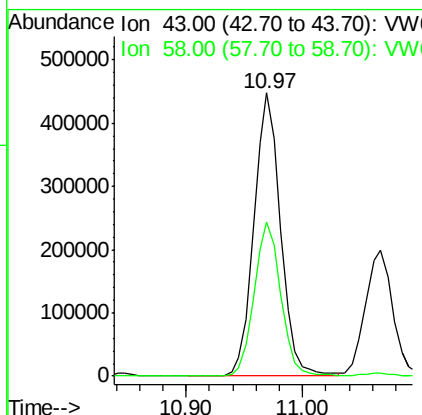
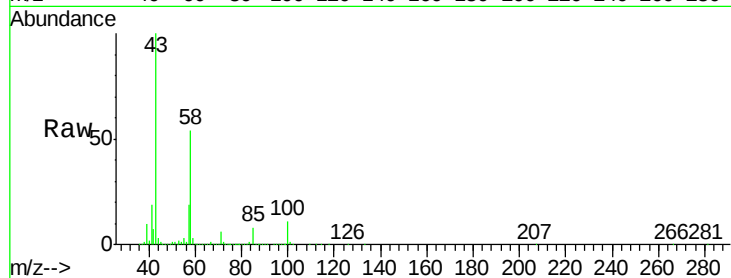
#59
2-Hexanone
Concen: 87.119 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion: 43 Resp: 714144
Ion Ratio Lower Upper
43 100
58 54.4 24.9 74.7

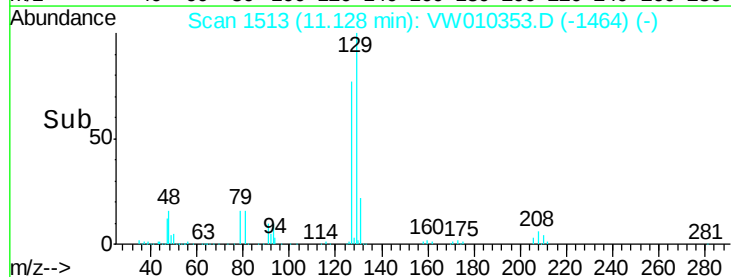
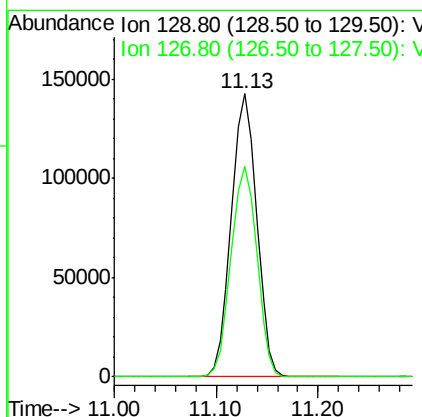
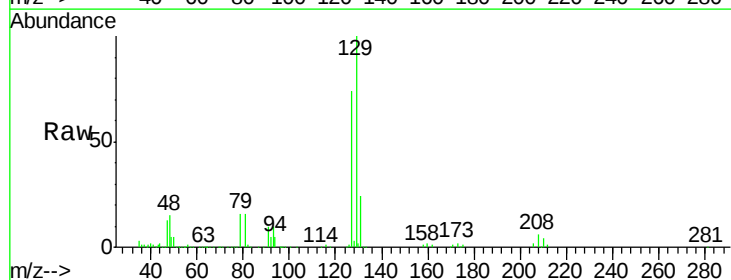
Manual Integrations
APPROVED

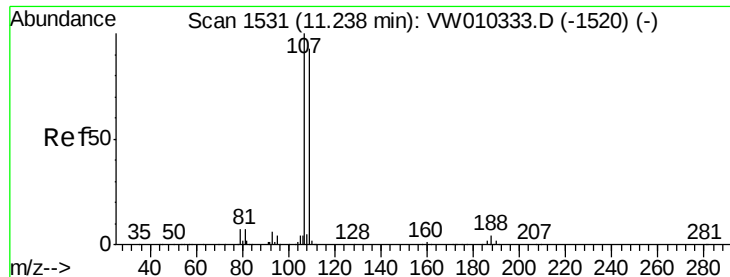
MMDadoda
5/11/2019 12:12:02 PM



#60
Dibromochloromethane
Concen: 20.090 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion: 129 Resp: 247261
Ion Ratio Lower Upper
129 100
127 75.5 38.6 116.0





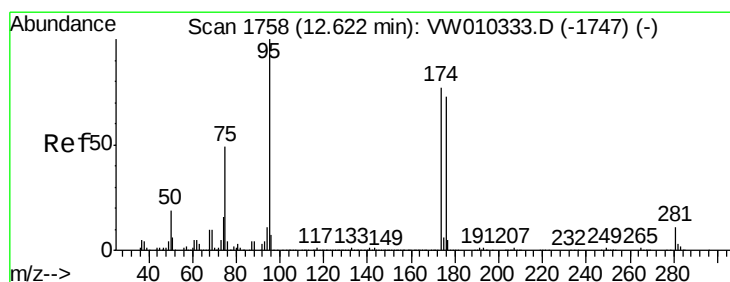
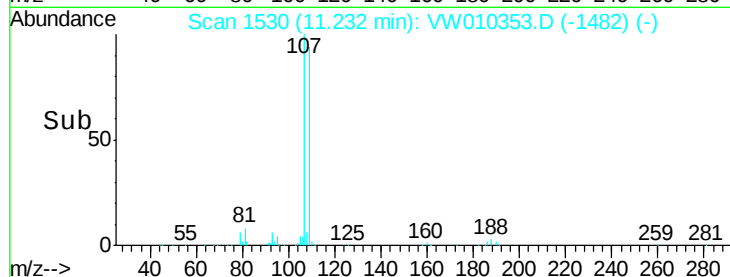
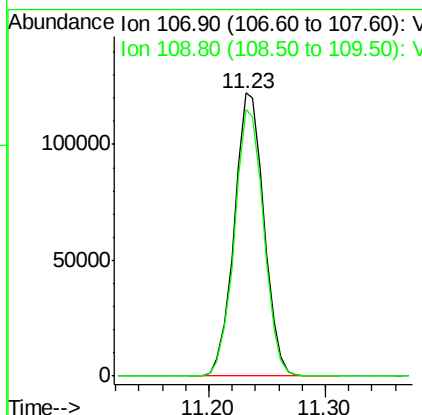
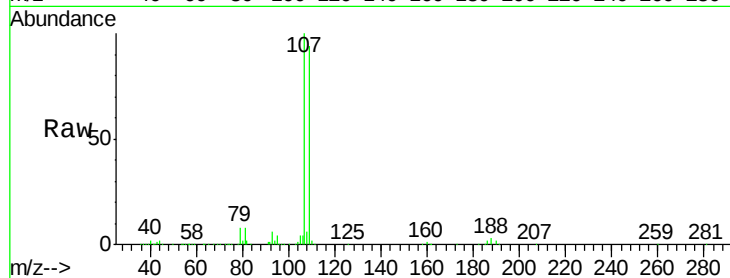
#61
 1,2-Dibromoethane
 Concen: 19.770 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0510SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.6	110.4

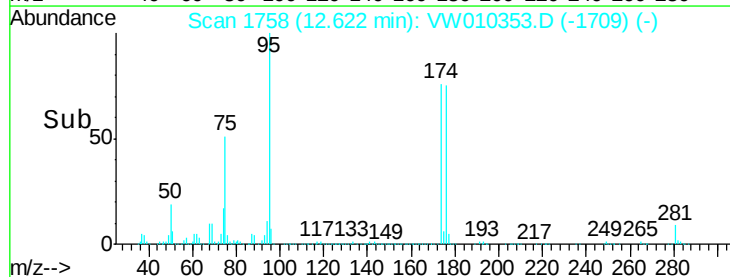
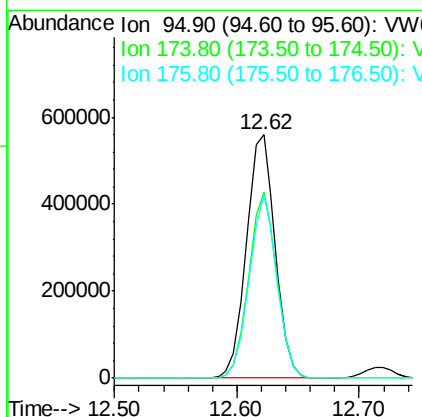
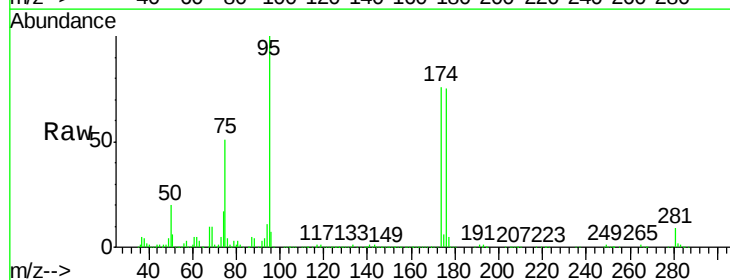
Manual Integrations
 APPROVED

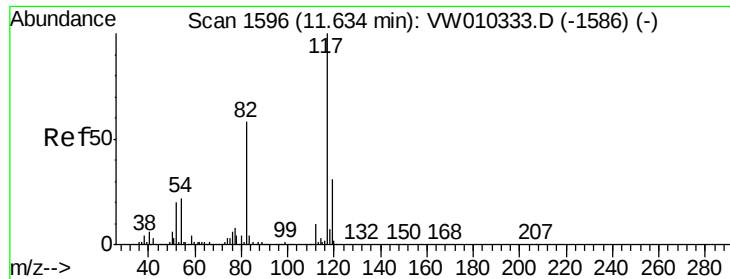
MMDadoda
 5/11/2019 12:12:02 PM



#62
 4-Bromofluorobenzene
 Concen: 51.495 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	151.4
176	72.6	0.0	146.2





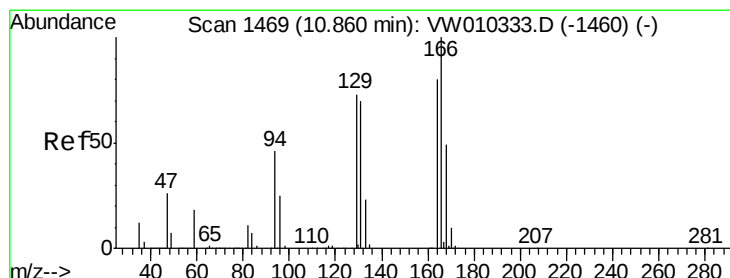
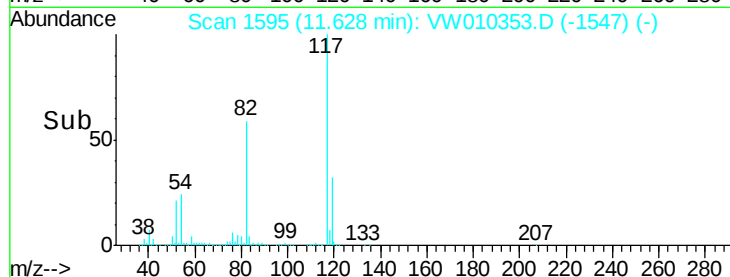
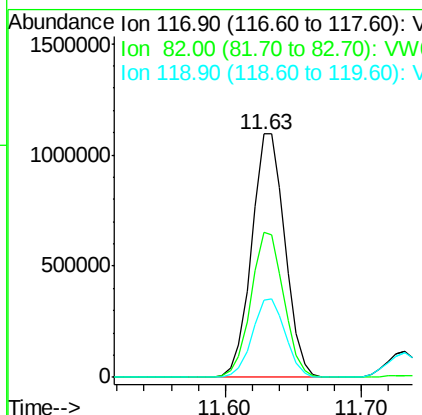
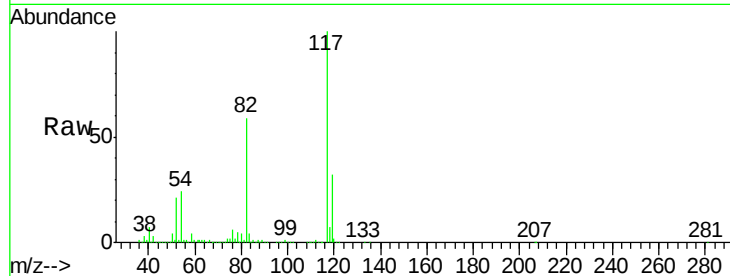
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	45.2	67.8
119	31.6	25.4	38.2

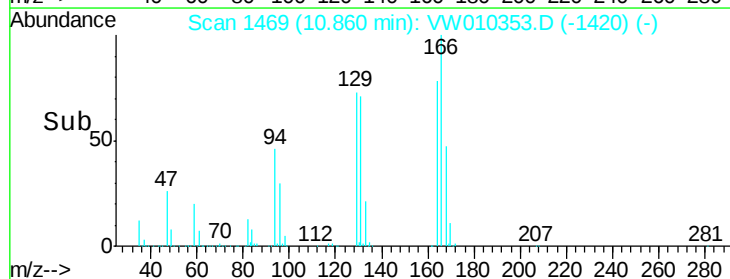
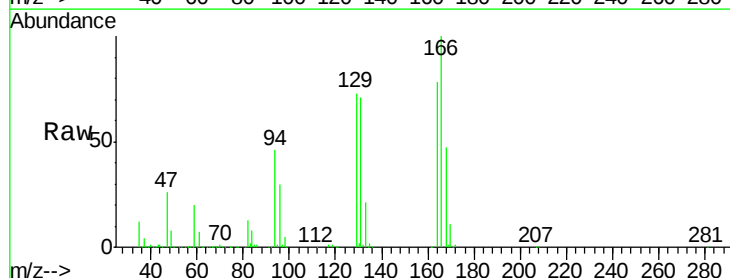
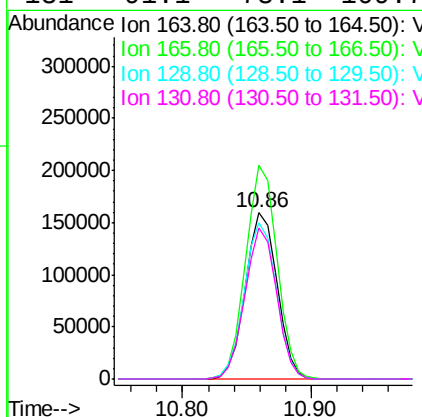
Manual Integrations
APPROVED

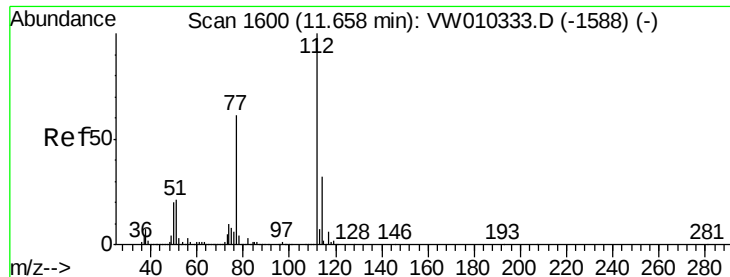
MMDadoda
5/11/2019 12:12:02 PM



#64
Tetrachloroethene
Concen: 20.611 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.2	151.8
129	94.0	77.8	116.6
131	91.1	73.1	109.7





#65

Chlorobenzene

Concen: 21.105 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion:112 Resp: 820702

Ion Ratio Lower Upper

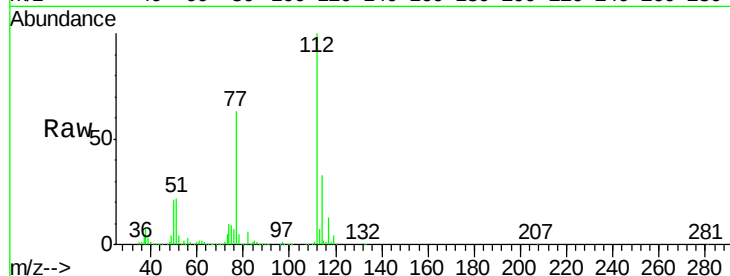
112 100

114 32.7 26.5 39.7

Manual Integrations
APPROVED

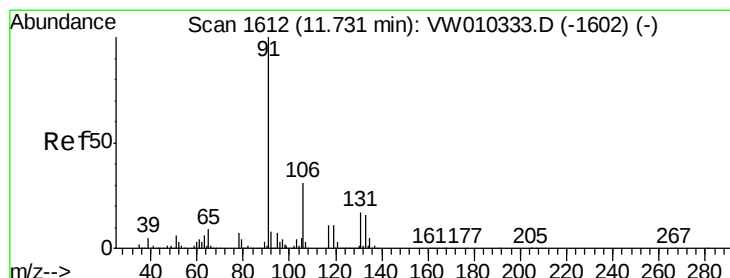
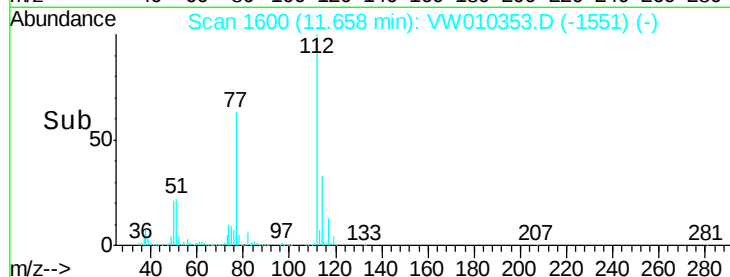
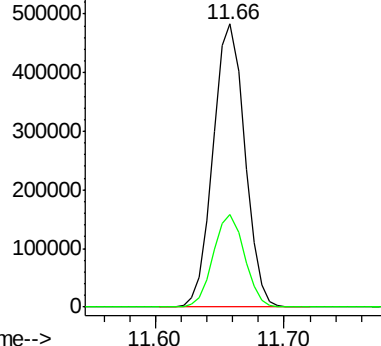
MMDadoda

5/11/2019 12:12:02 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.804 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

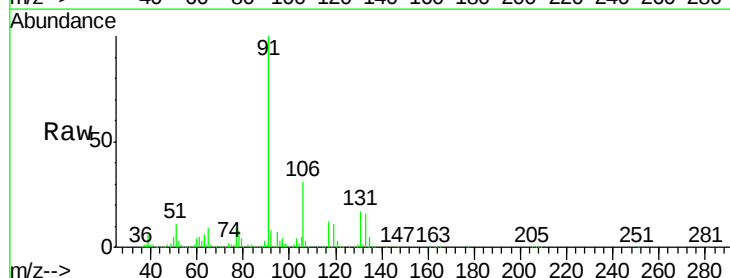
Tgt Ion:131 Resp: 273433

Ion Ratio Lower Upper

131 100

133 95.6 46.5 139.5

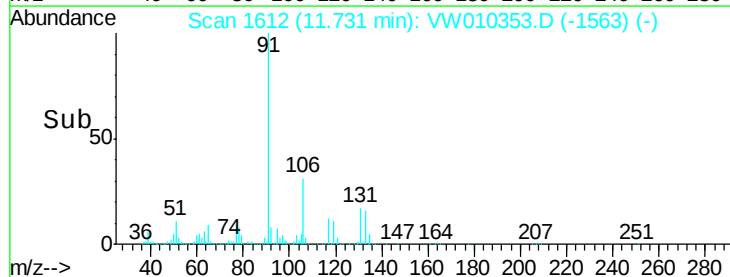
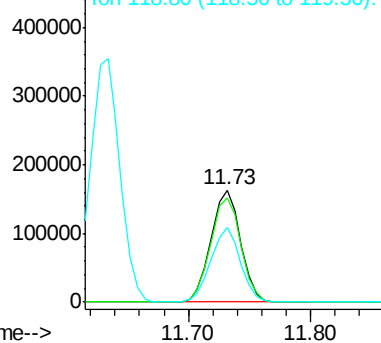
119 66.5 31.9 95.5

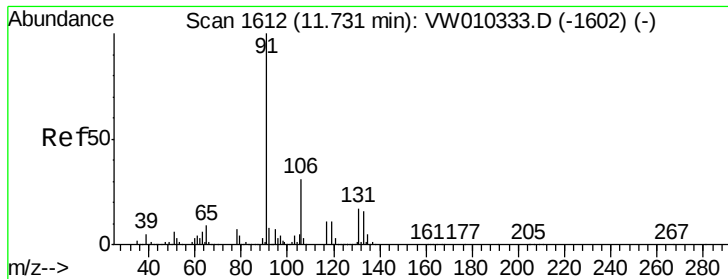


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





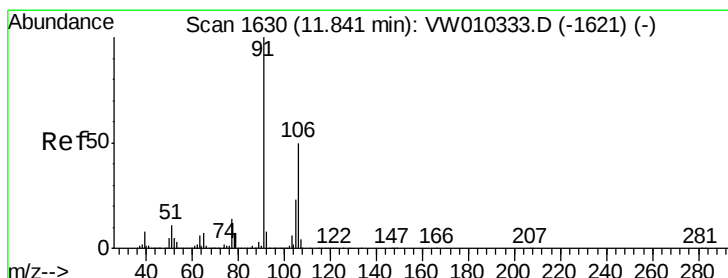
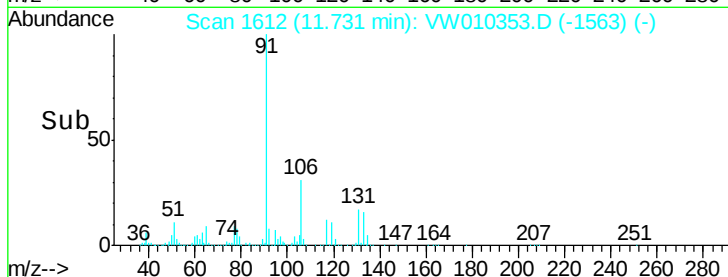
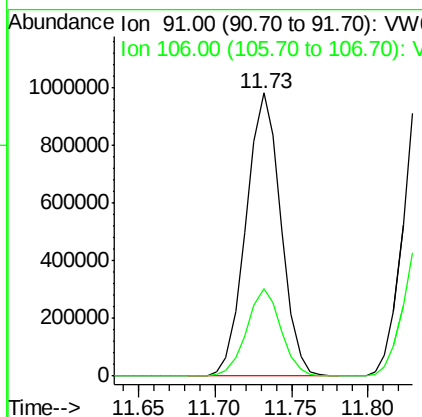
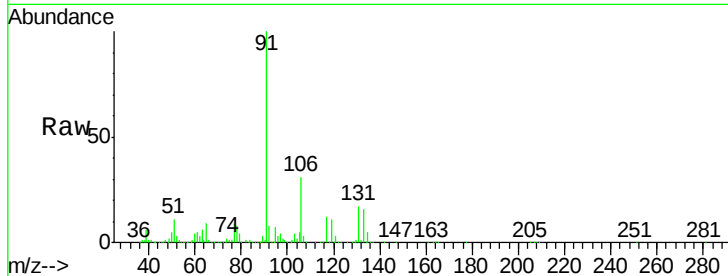
#67
Ethyl Benzene
Concen: 21.751 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion: 91 Resp: 1556035
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.8

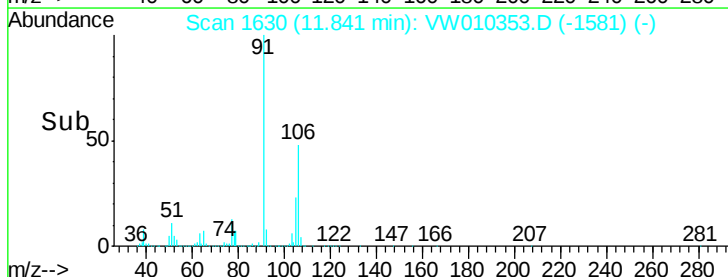
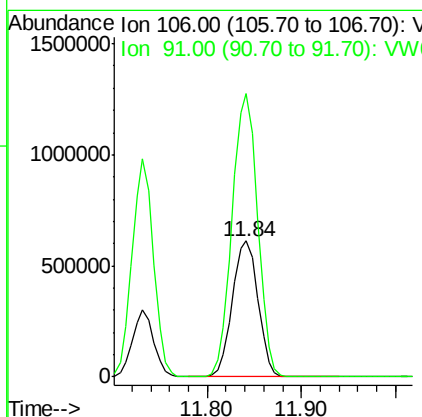
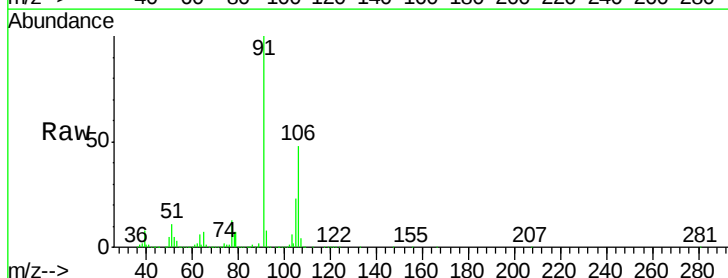
Manual Integrations
APPROVED

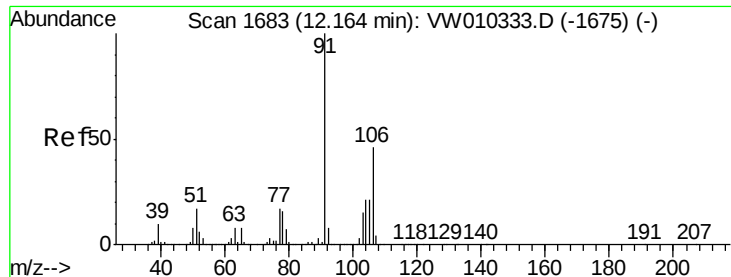
MMDadoda
5/11/2019 12:12:02 PM



#68
m/p-Xylenes
Concen: 43.662 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion: 106 Resp: 1160523
Ion Ratio Lower Upper
106 100
91 206.5 165.0 247.6





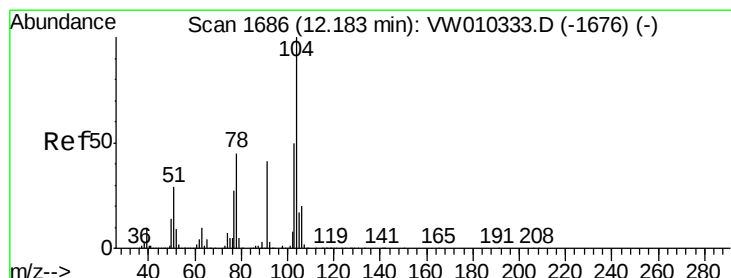
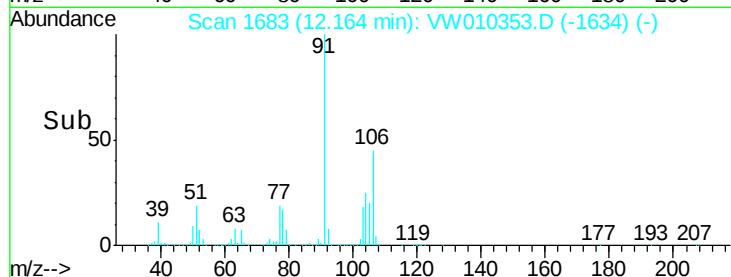
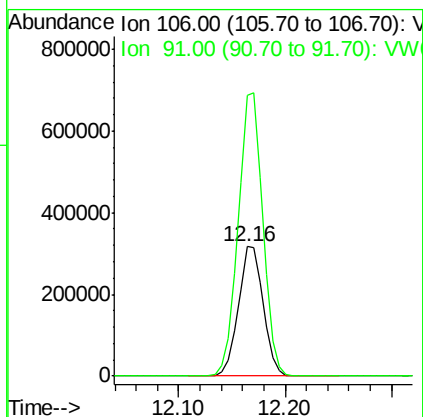
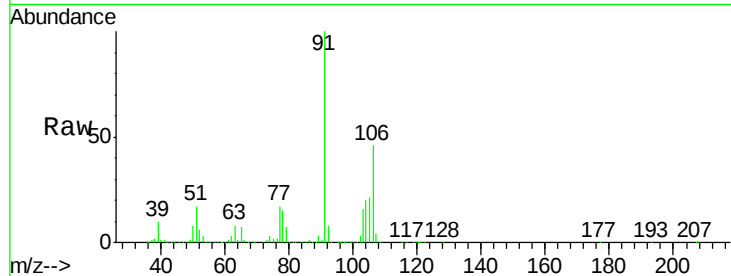
#69
o-Xylene
Concen: 21.630 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.8	110.5	331.4

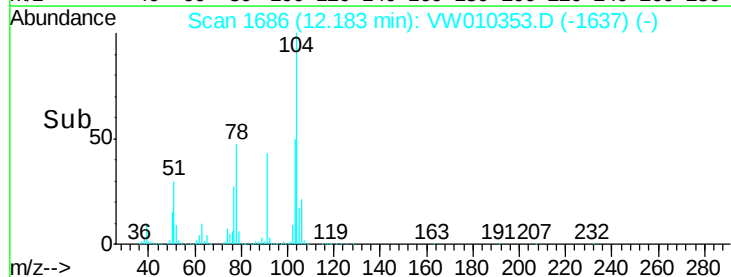
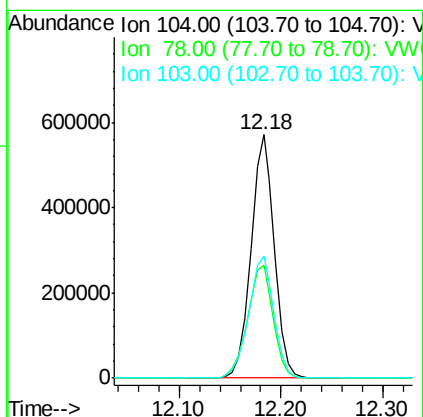
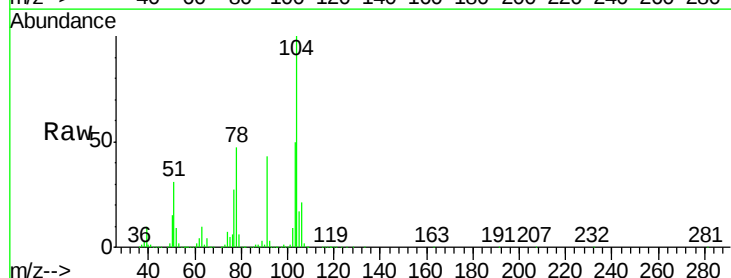
Manual Integrations
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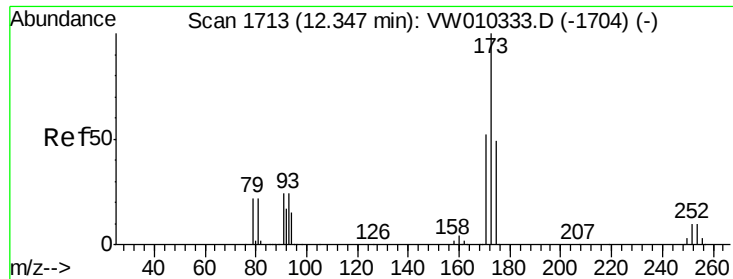
MMDadoda
5/11/2019 12:12:02 PM



#70
Styrene
Concen: 21.607 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	42.5	63.7
103	54.6	43.6	65.4





#71

Bromoform

Concen: 18.497 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

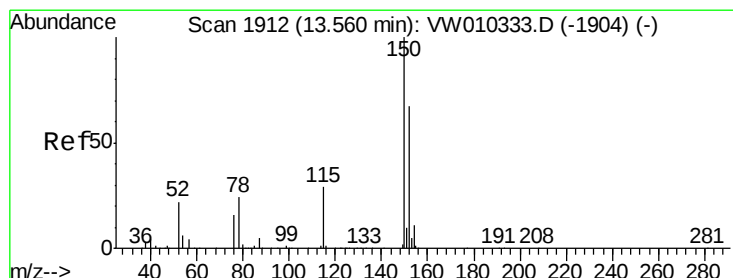
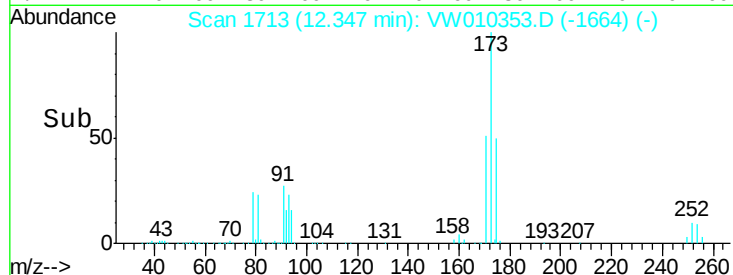
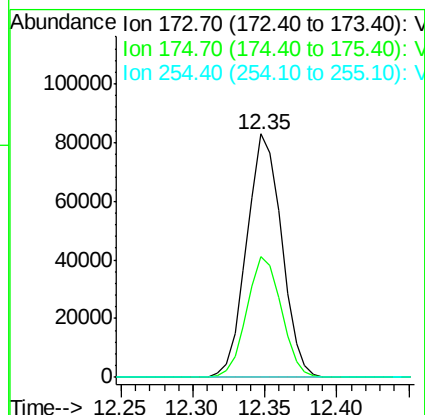
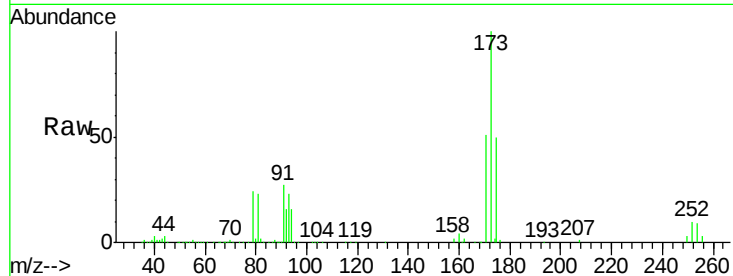
ClientSampleId :

VW0510SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		138977		
175	49.2	23.8	71.4		
254	0.1	0.1	0.1#		

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

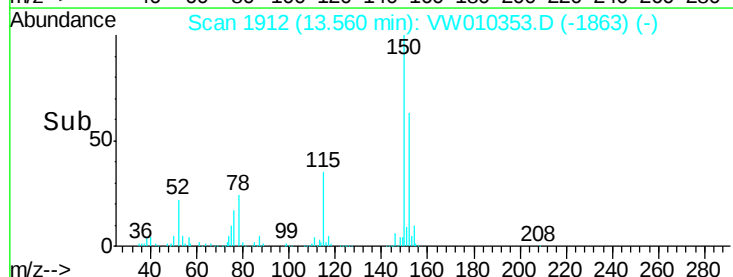
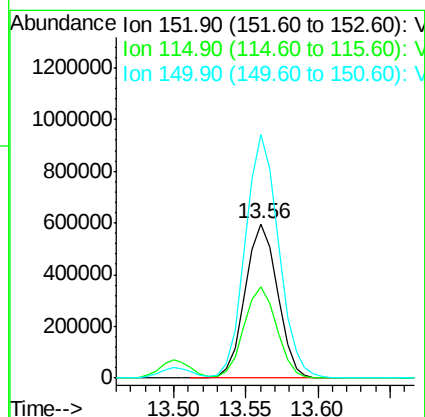
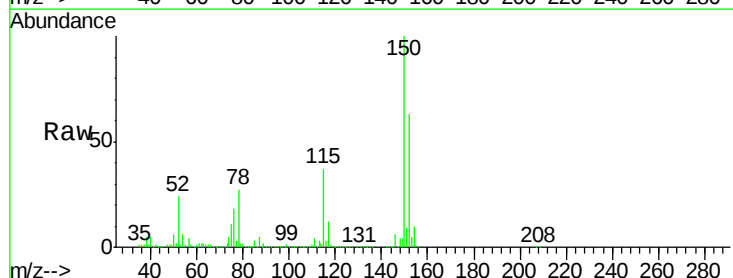
RT: 13.56 min Scan# 1912

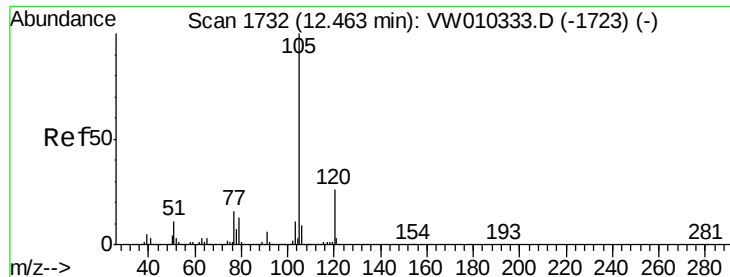
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		930226		
115	59.5	30.4	91.2		
150	162.6	0.0	347.0		





#73

Isopropylbenzene

Concen: 21.960 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampled :

VW0510SBS01

Tot Ion:105 Resp: 1488953

Ion Ratio Lower Upper

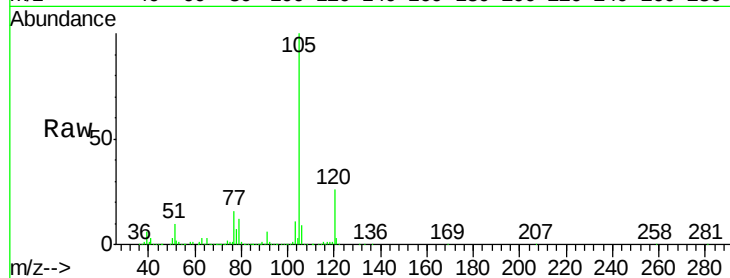
105 100

120 25.9 13.1 39.1

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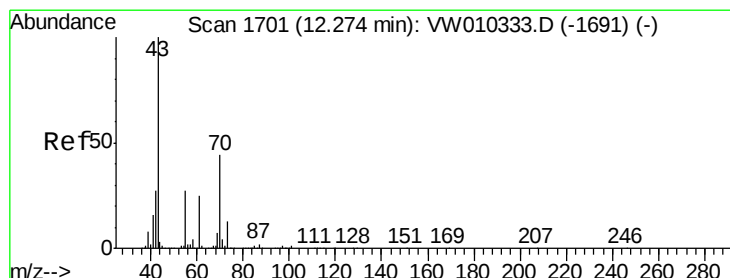
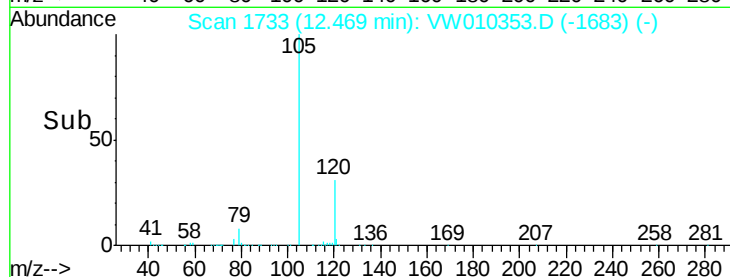
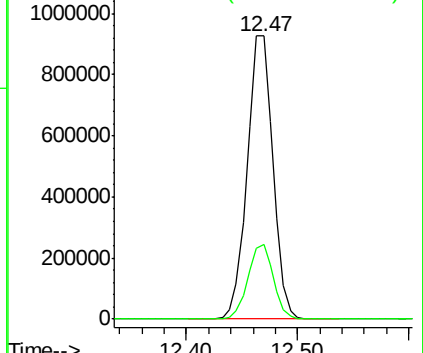
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.911 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion: 43 Resp: 331271

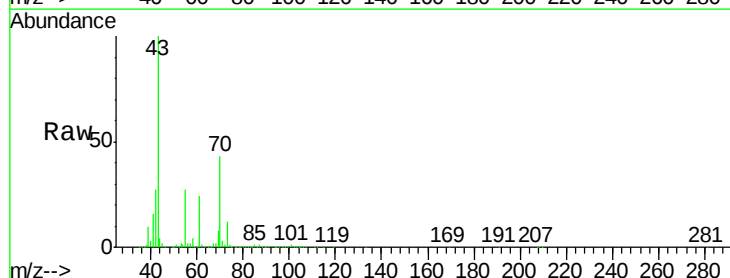
Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 27.5 20.0 30.0

61 24.2 17.8 26.8

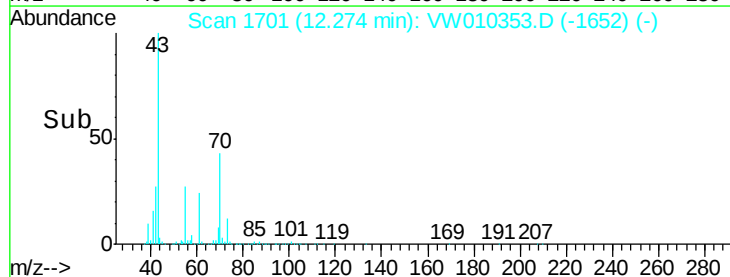
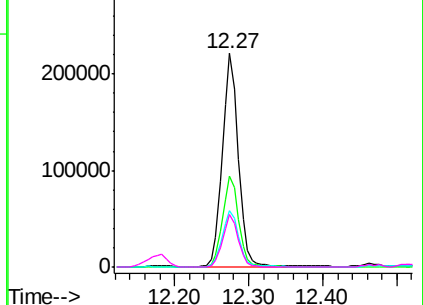


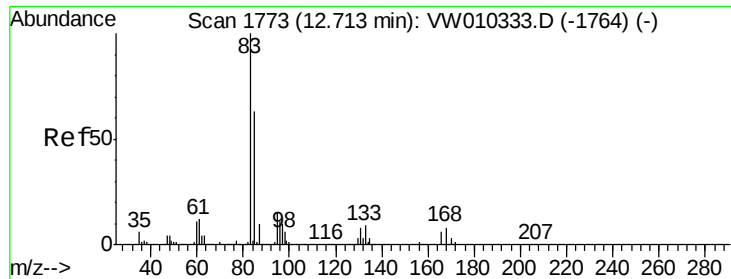
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.625 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 83 Resp: 278256
Ion Ratio Lower Upper

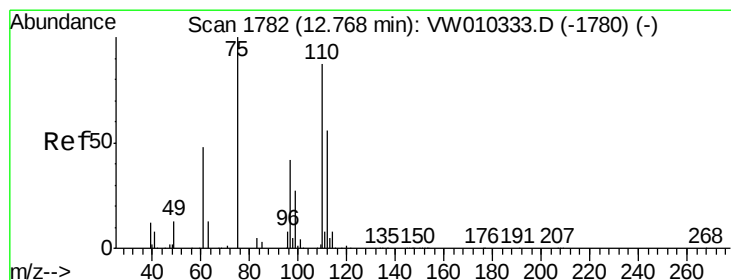
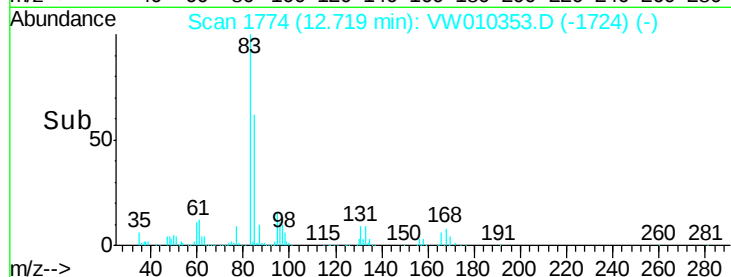
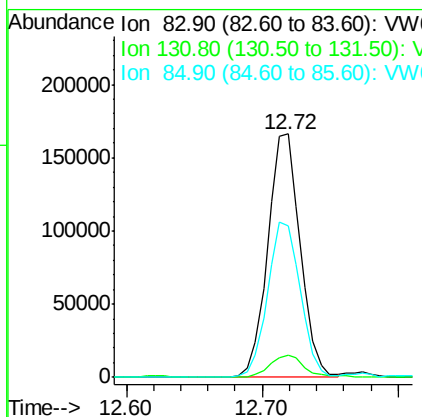
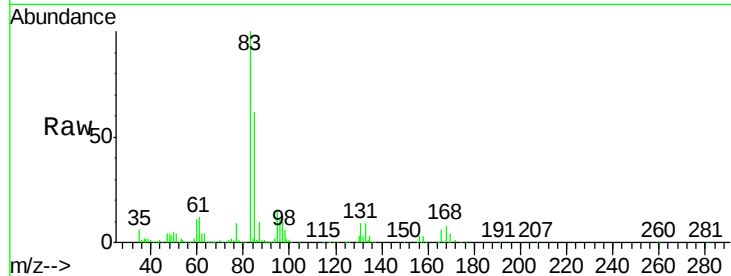
83 100

131 9.7 5.3 15.8

85 64.2 32.0 96.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 12:12:02 PM



#76

1,2,3-Trichloropropane

Concen: 19.002 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

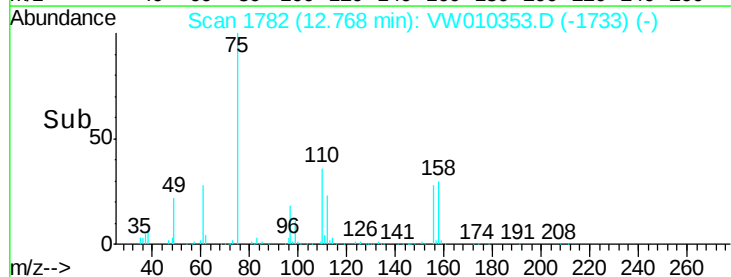
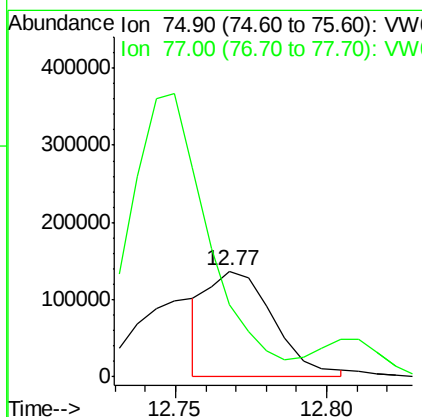
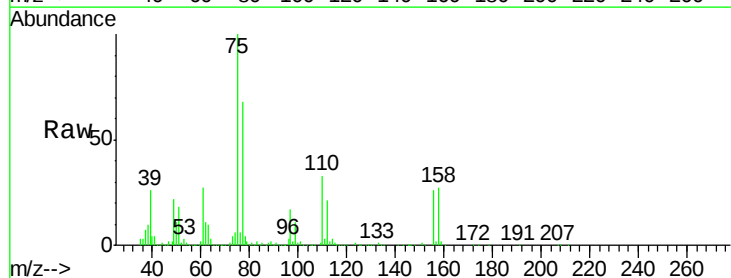
Lab File: VW010353.D

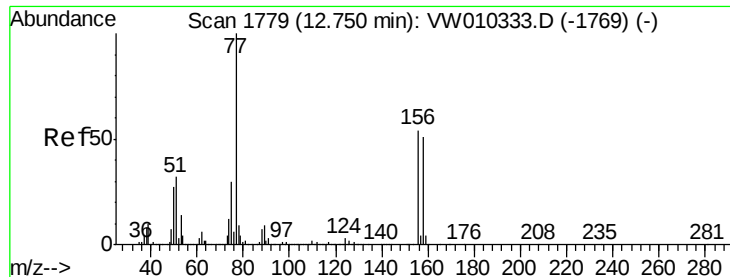
Acq: 10 May 2019 13:46

Tgt Ion: 75 Resp: 206090
Ion Ratio Lower Upper

75 100

77 325.7 0.0 0.0#





#77

Bromobenzene

Concen: 20.766 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

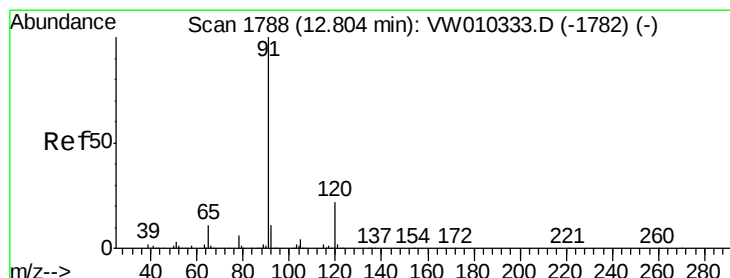
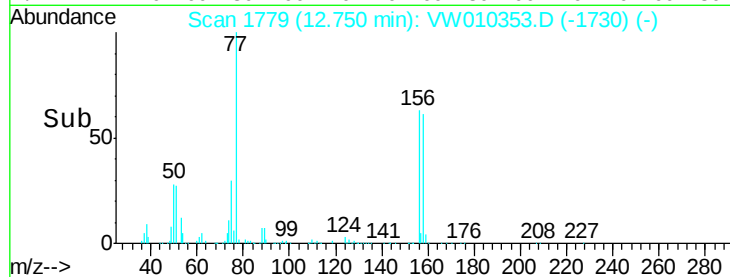
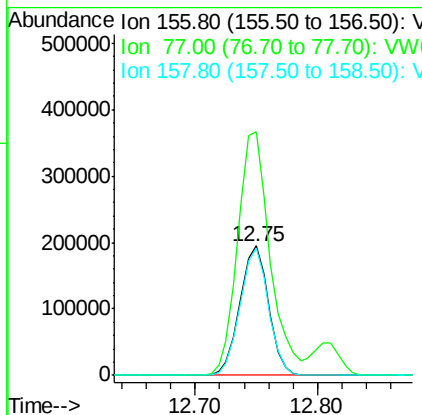
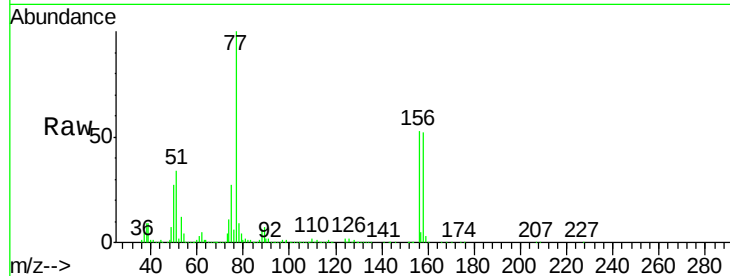
ClientSampleId :

VW0510SBS01

Tot Ion:	156	Resp:	317921
Ion Ratio	Lower	Upper	
156	100		
77	211.1	102.5	307.4
158	97.3	48.8	146.4

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#78

n-propylbenzene

Concen: 22.245 ug/l

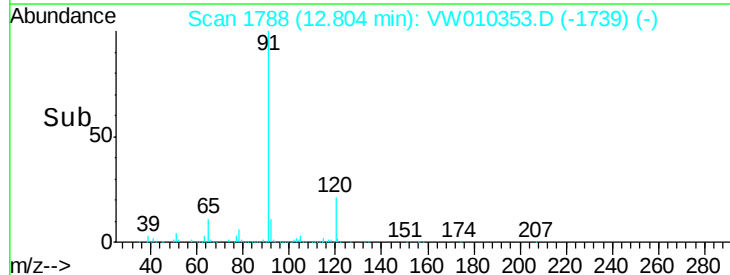
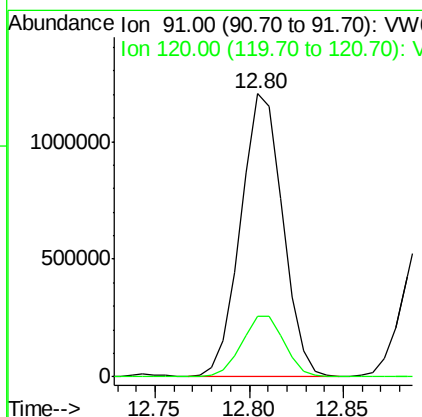
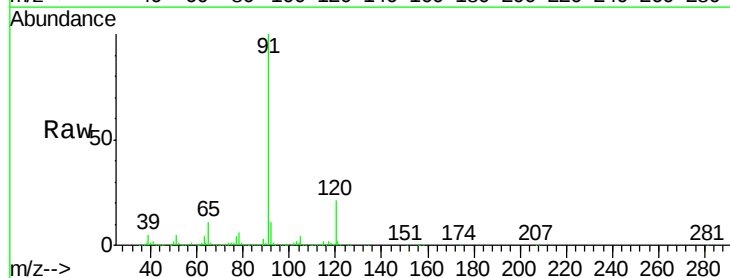
RT: 12.80 min Scan# 1788

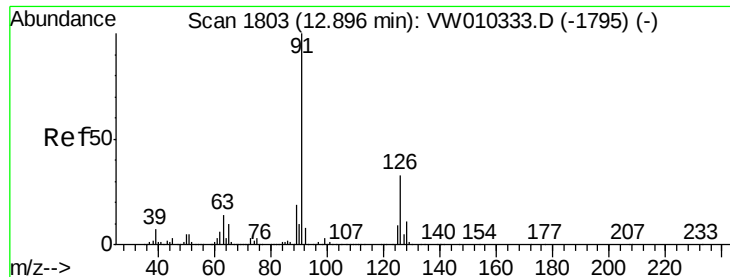
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion:	91	Resp:	1862853
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 21.778 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

VW0510SBS01

Tot Ion: 91 Resp: 1038628

Ion Ratio Lower Upper

91 100

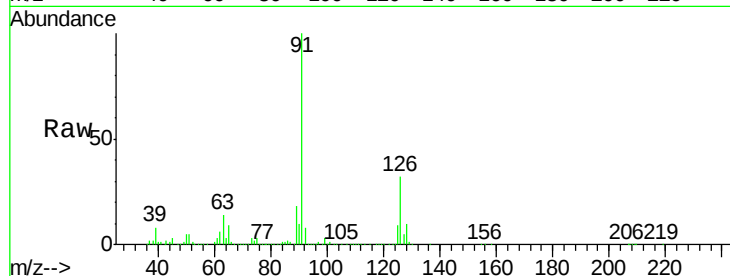
126 31.5 16.3 48.8

Manual Integrations

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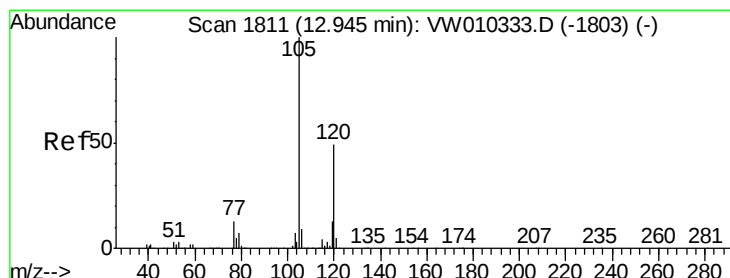
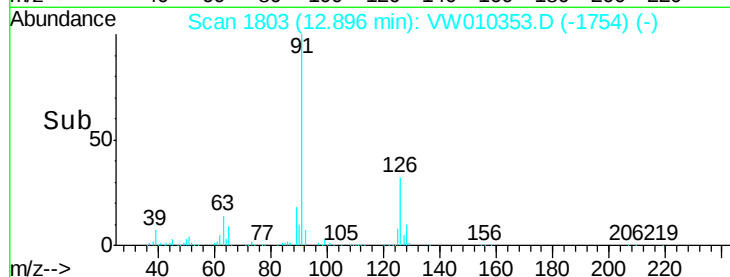
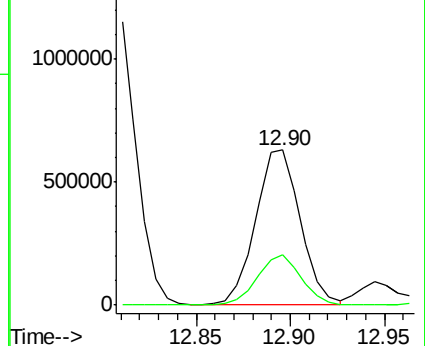
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.170 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010353.D

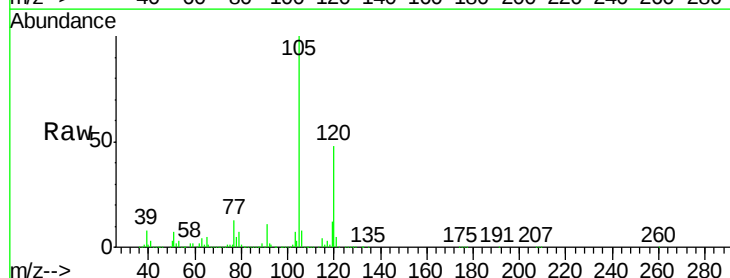
Acq: 10 May 2019 13:46

Tgt Ion:105 Resp: 1267268

Ion Ratio Lower Upper

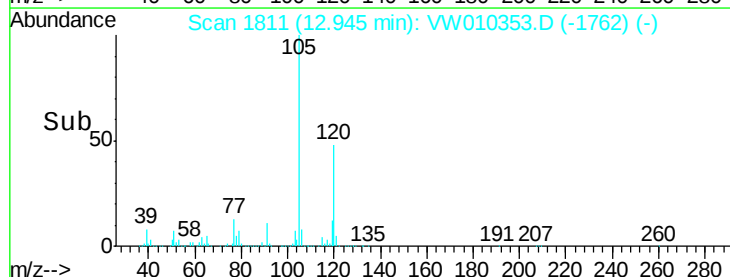
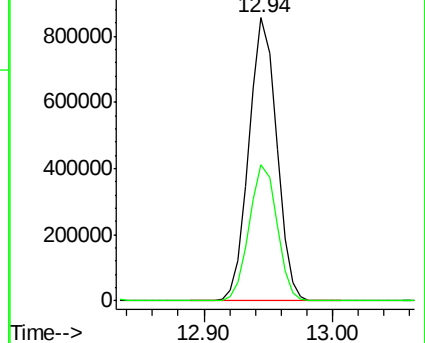
105 100

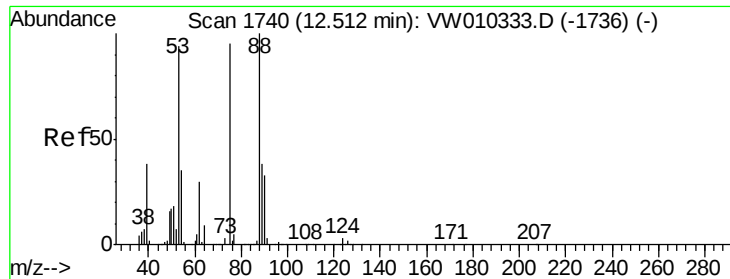
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





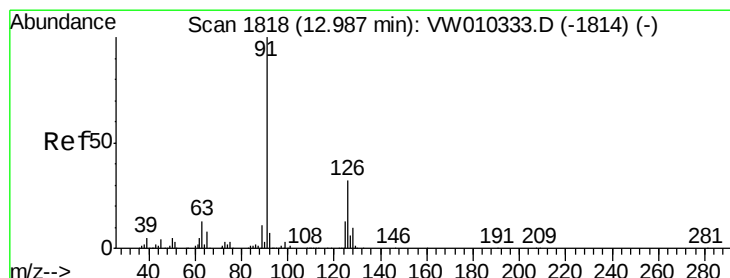
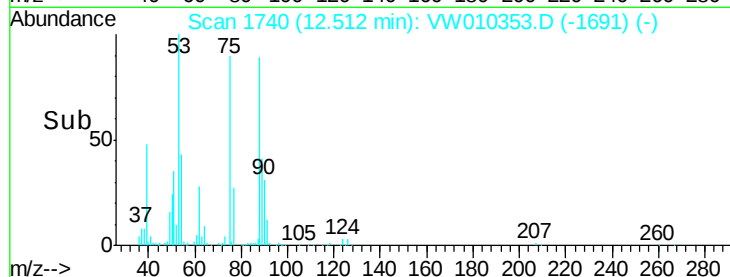
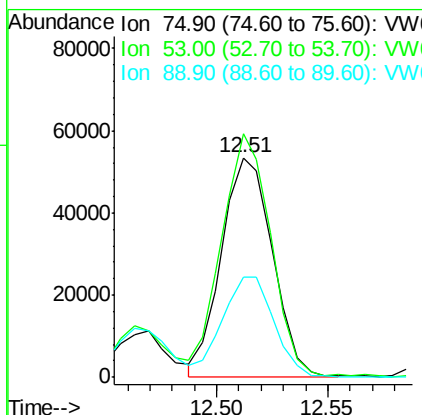
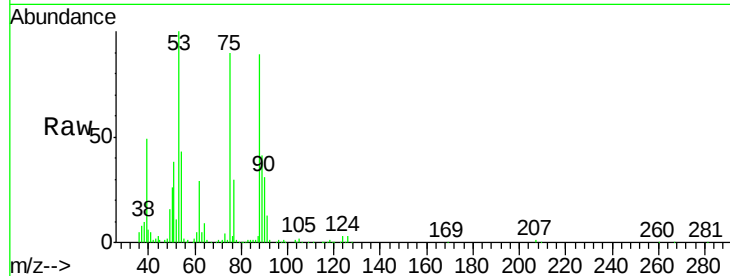
#81
trans-1,4-Dichloro-2-butene
Concen: 17.735 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.2	89.8	134.8
89	46.7	36.6	54.8

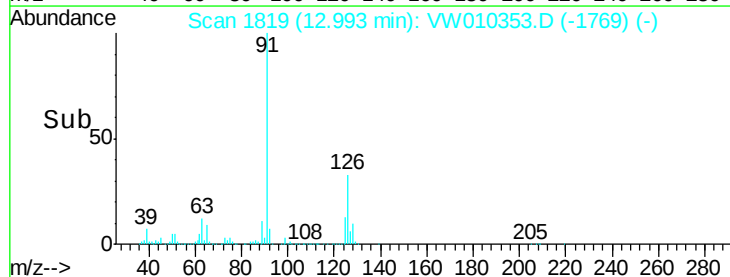
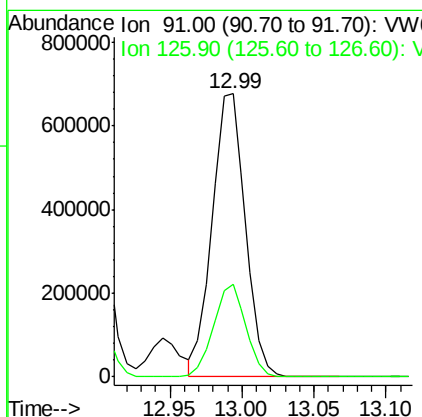
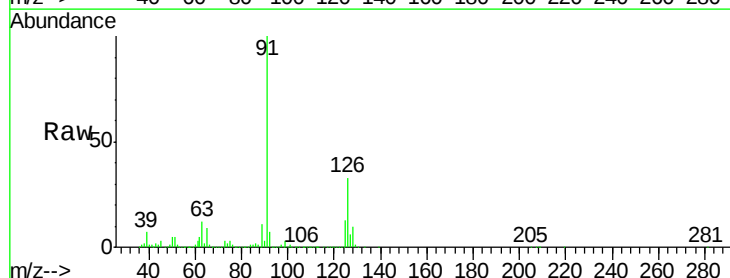
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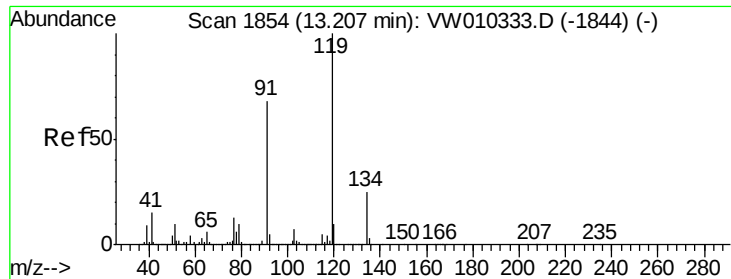
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#82
4-Chlorotoluene
Concen: 21.819 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.1





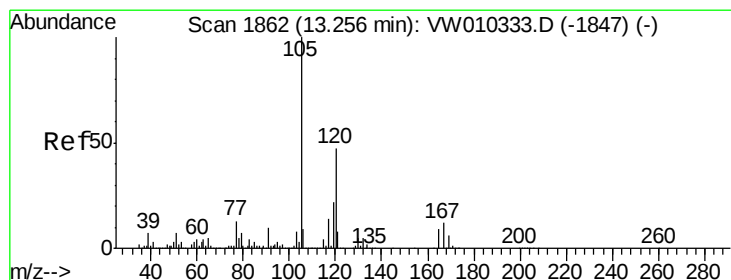
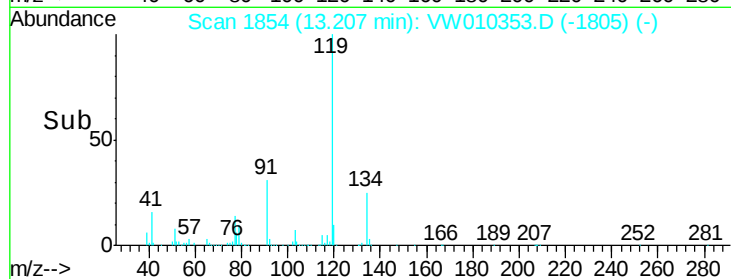
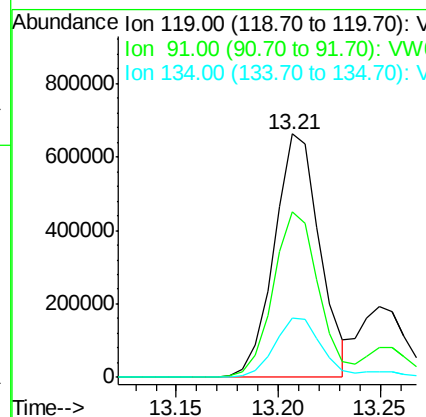
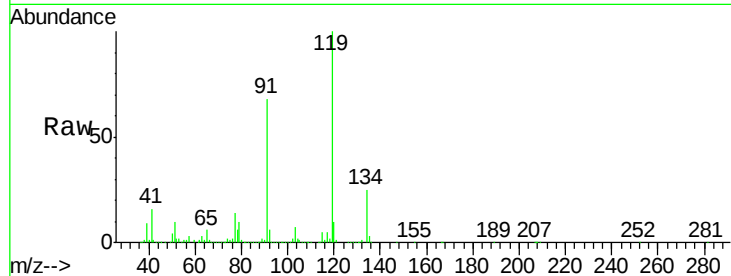
#83
tert-Butylbenzene
Concen: 21.663 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion:119 Resp: 1032849
Ion Ratio Lower Upper
119 100
91 68.3 34.8 104.4
134 24.9 13.7 41.1

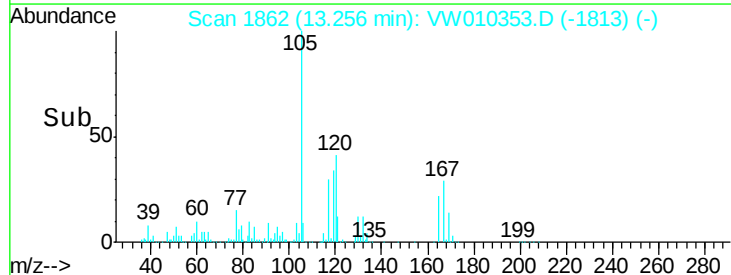
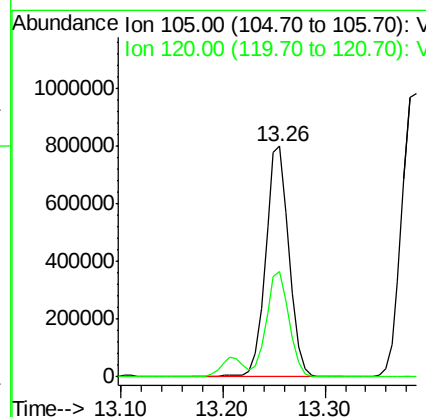
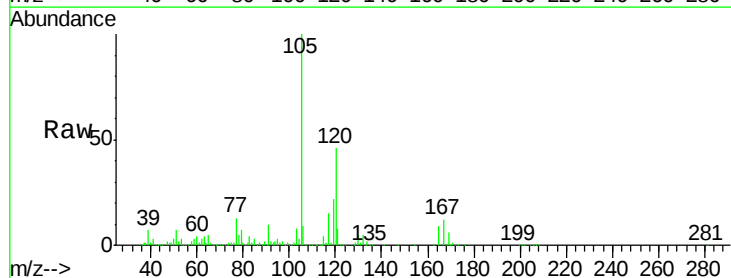
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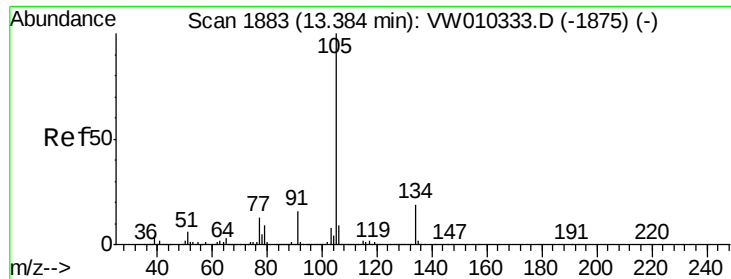
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#84
1,2,4-Trimethylbenzene
Concen: 22.299 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion:105 Resp: 1266648
Ion Ratio Lower Upper
105 100
120 44.4 22.6 67.7





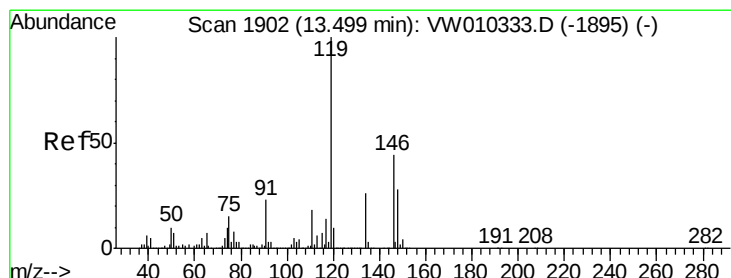
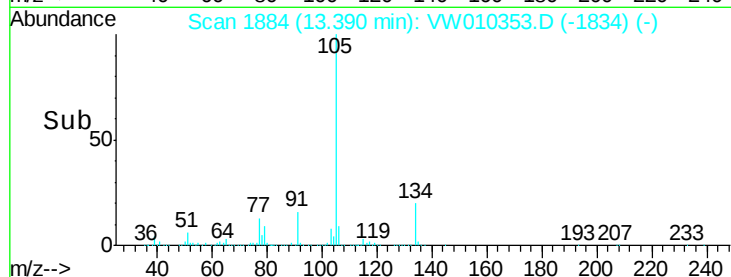
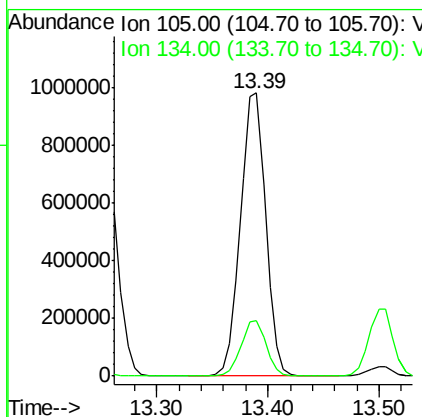
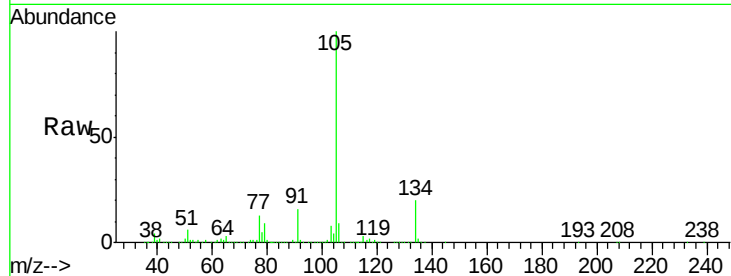
#85
 sec-Butylbenzene
 Concen: 21.922 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Tot Ion:105 Resp: 1543003
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

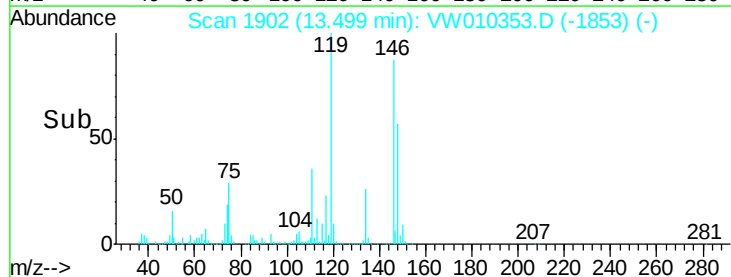
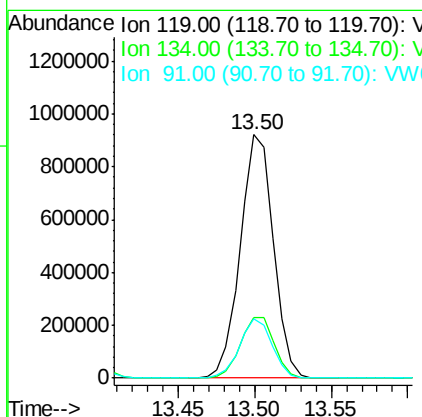
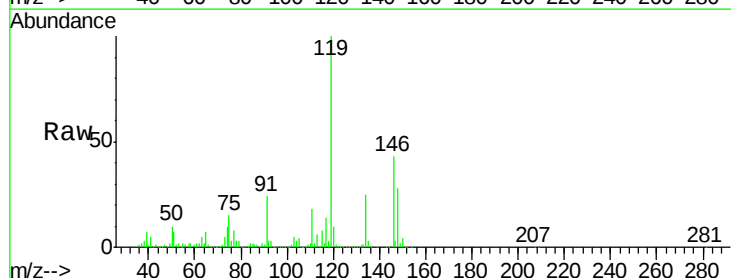
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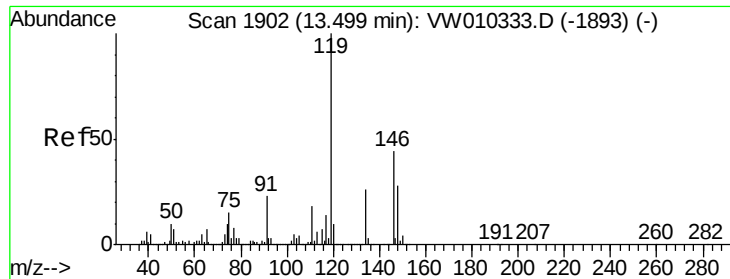
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#86
 p-Isopropyltoluene
 Concen: 22.145 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion:119 Resp: 1383898
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 23.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 21.153 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

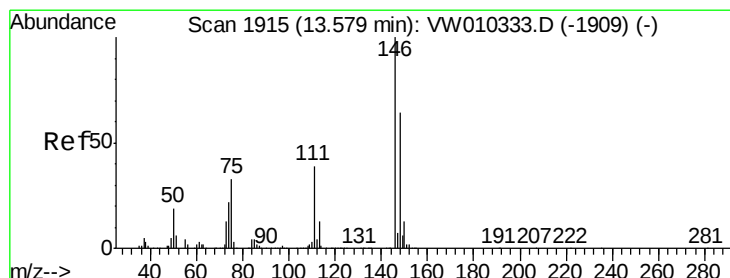
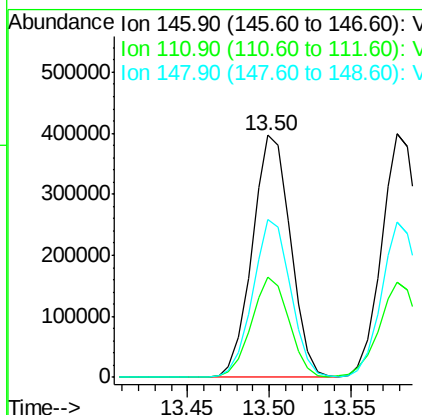
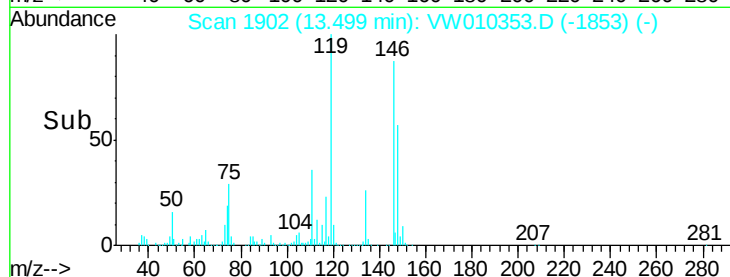
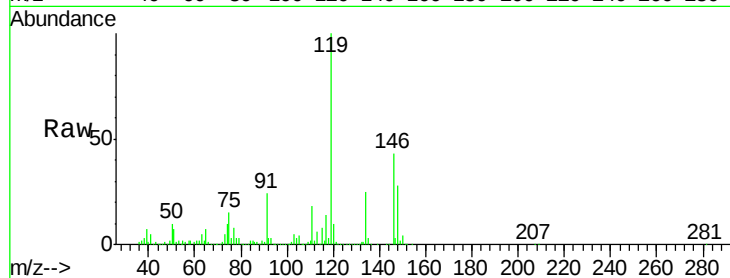
Instrument :
MSVOA_W

ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	64.5	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.288 ug/l

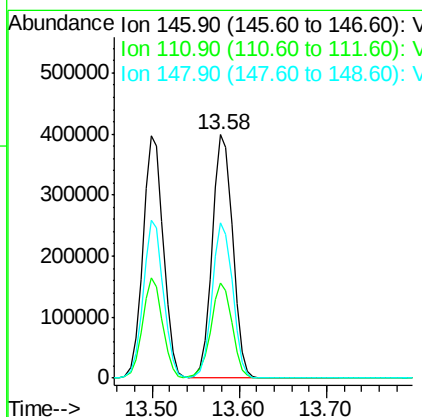
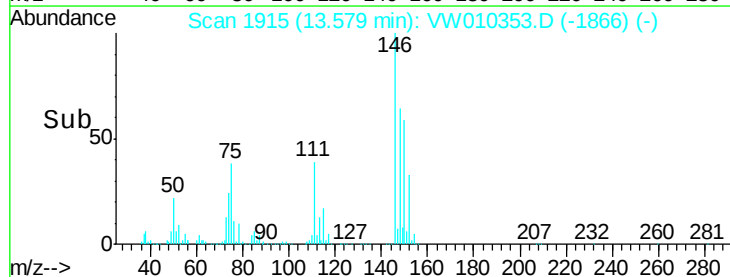
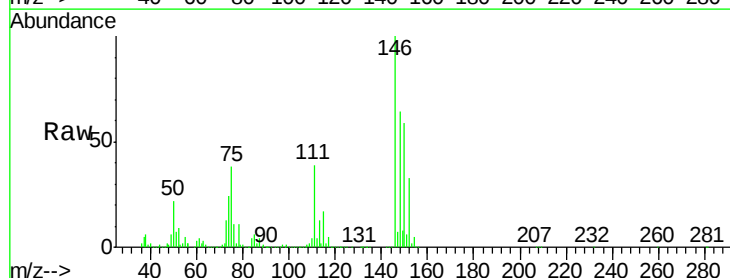
RT: 13.58 min Scan# 1915

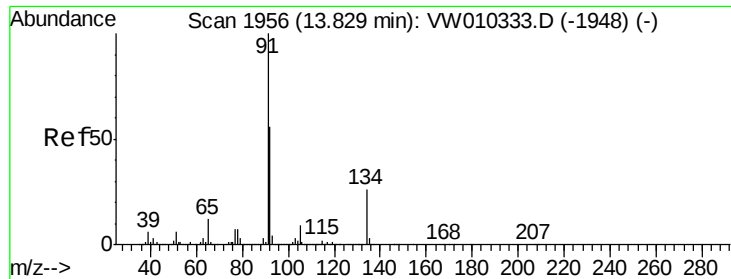
Delta R.T. 0.00 min

Lab File: VW010353.D

Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.3
148	63.7	31.8	95.3





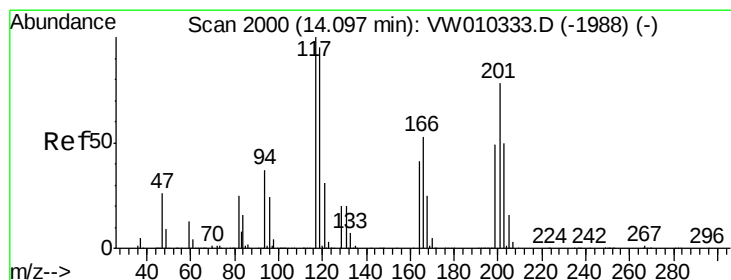
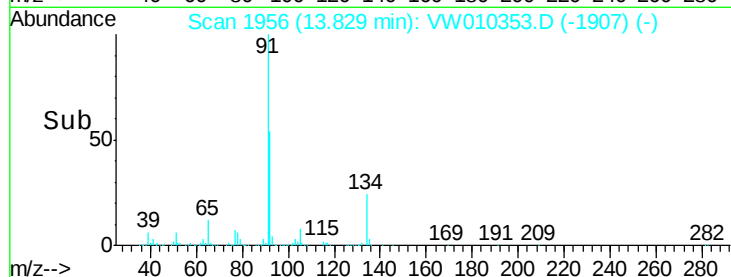
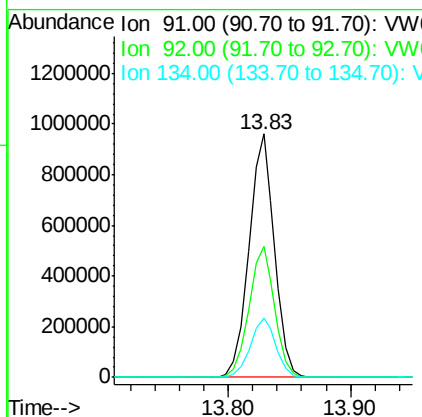
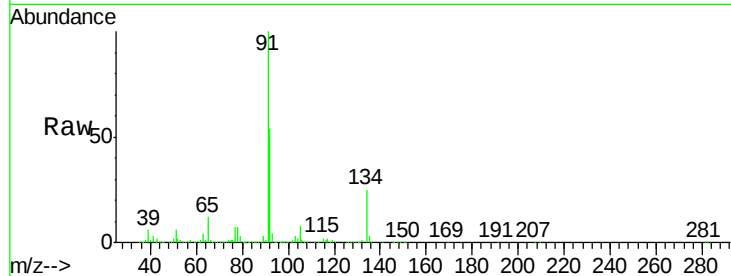
#89
n-Butylbenzene
Concen: 21.957 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion: 91 Resp: 1375849
Ion Ratio Lower Upper
91 100
92 54.2 26.5 79.4
134 24.7 12.4 37.0

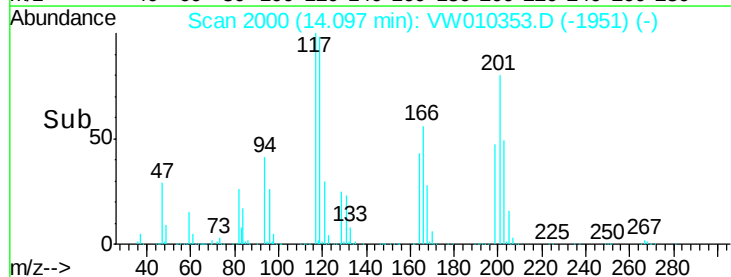
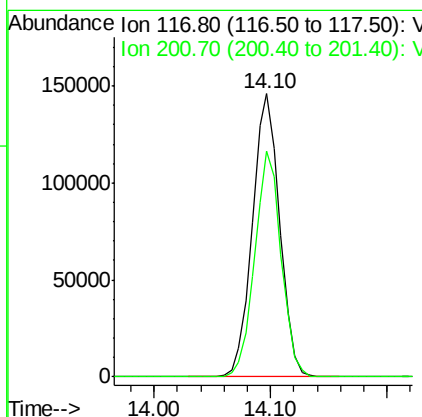
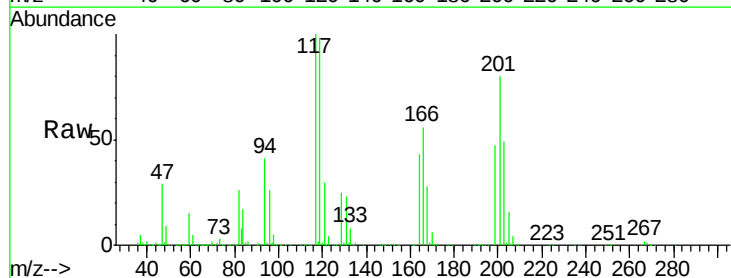
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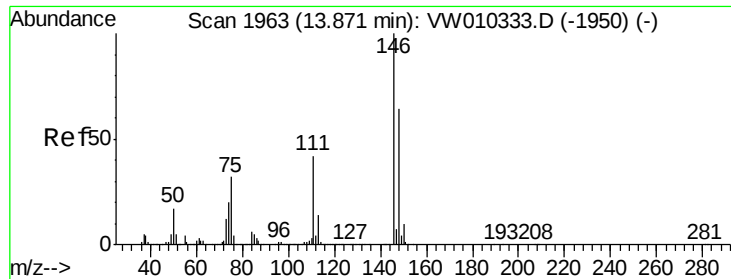
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#90
Hexachloroethane
Concen: 20.570 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion: 117 Resp: 238421
Ion Ratio Lower Upper
117 100
201 77.4 36.1 108.3





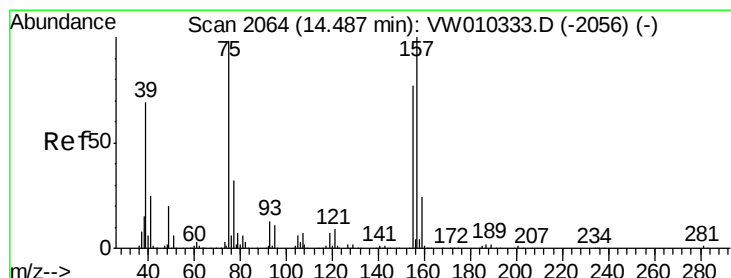
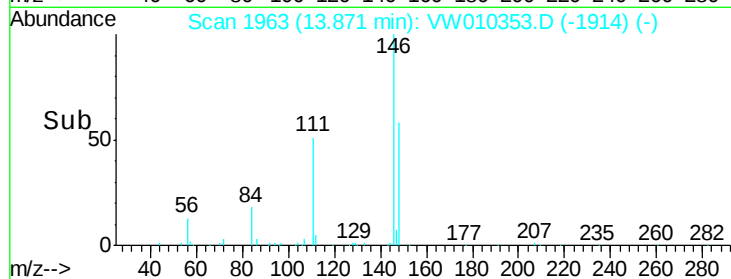
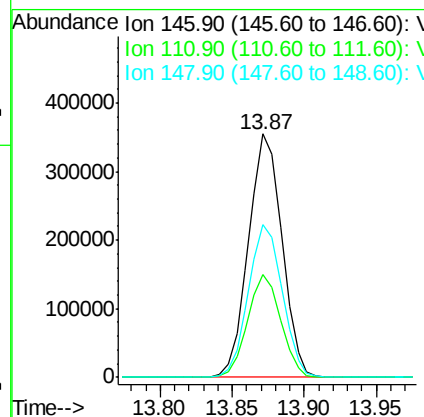
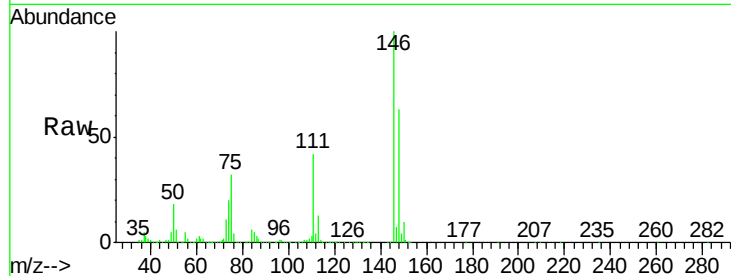
#91
 1,2-Dichlorobenzene
 Concen: 21.144 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	572203		
111	41.8	20.9	62.8	
148	63.4	31.9	95.7	

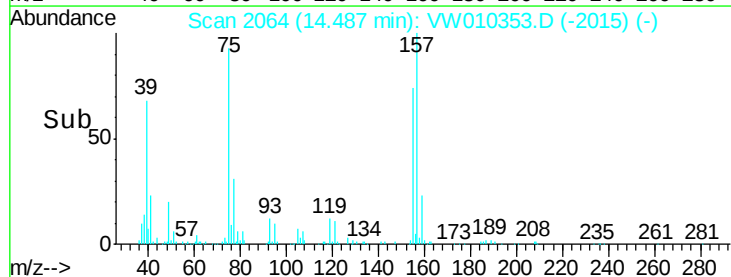
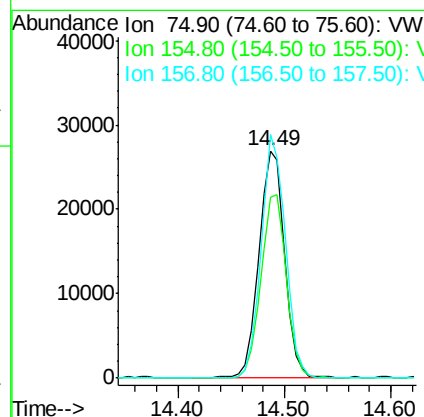
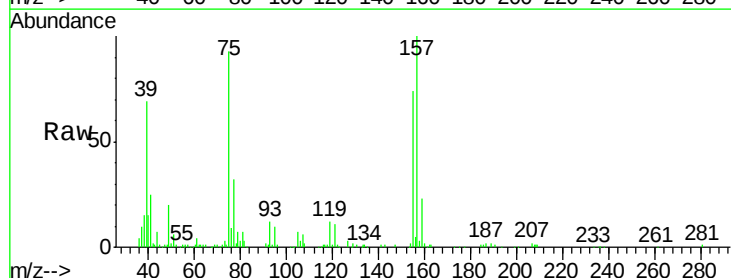
Manual Integrations
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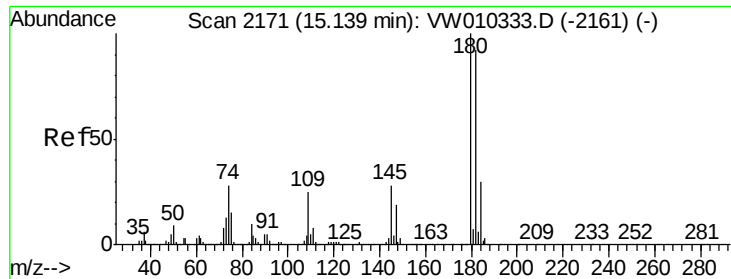
MMDadoda
 5/11/2019 12:12:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.968 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45649		
155	79.7	37.1	111.5	
157	100.6	47.3	141.9	





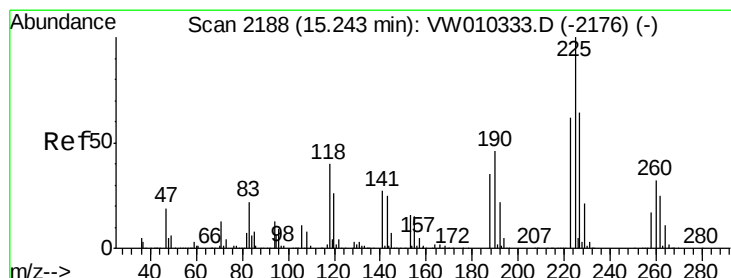
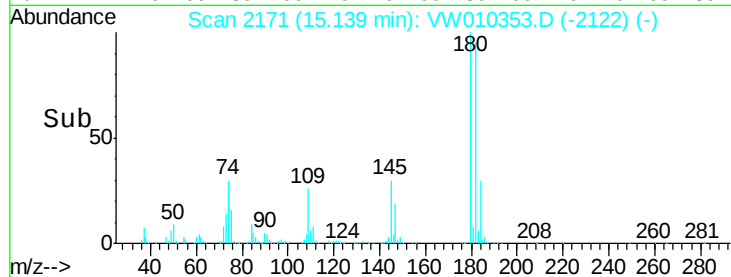
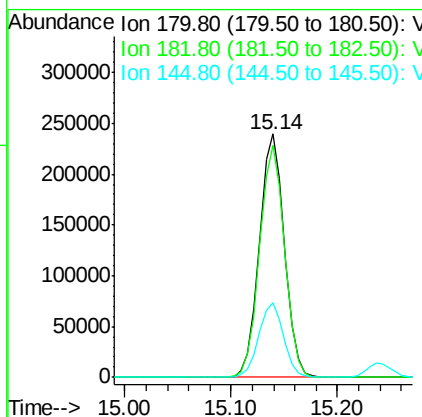
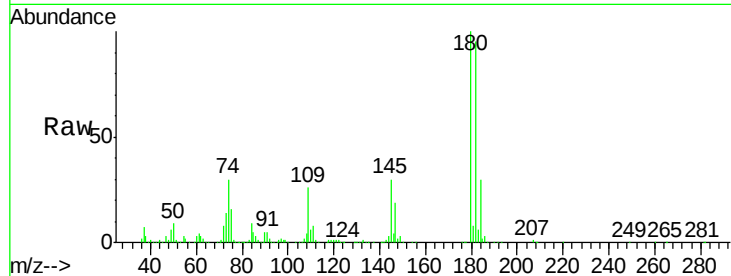
#93
 1,2,4-Trichlorobenzene
 Concen: 21.322 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	393818		
182	95.4	47.1	141.4	
145	30.7	15.2	45.6	

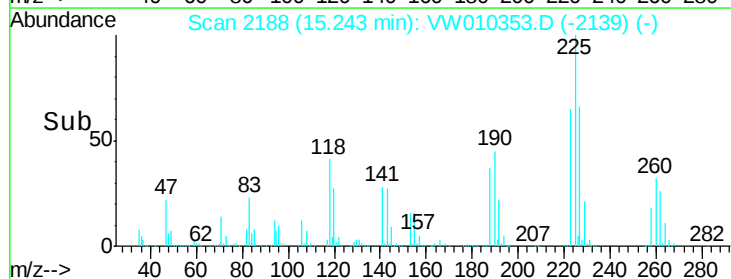
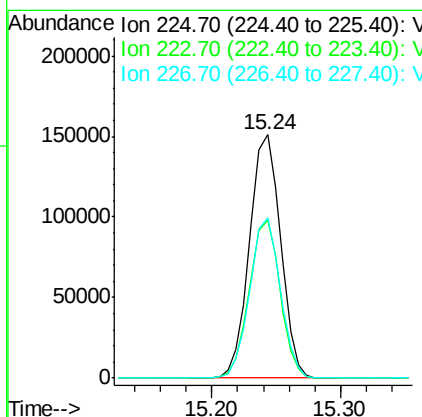
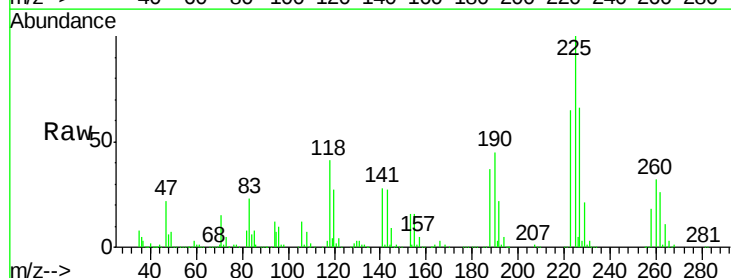
Manual Integrations
 APPROVED

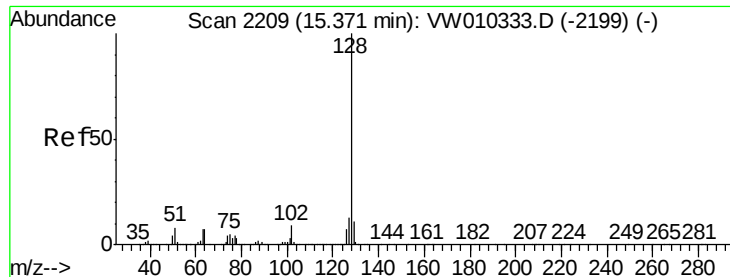
MMDadoda
 5/11/2019 12:12:02 PM



#94
 Hexachlorobutadiene
 Concen: 21.296 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010353.D
 Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	252154		
223	64.1	31.9	95.5	
227	64.6	31.8	95.3	





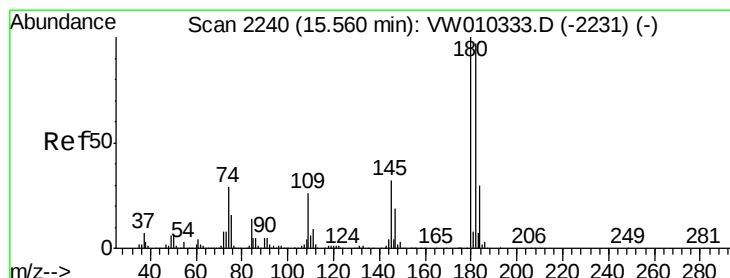
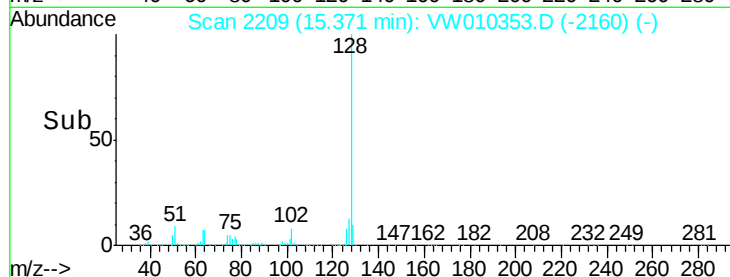
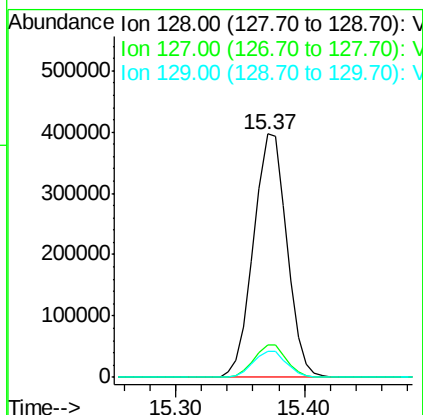
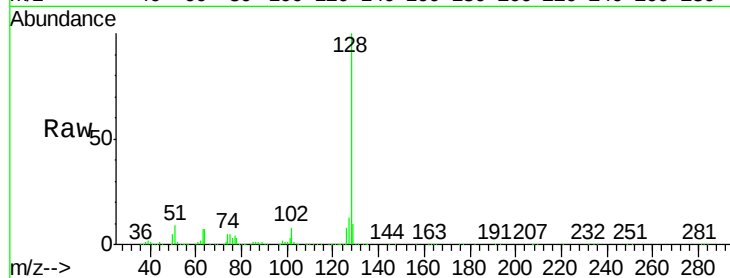
#95
Naphthalene
Concen: 19.198 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :
VW0510SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	709353		
127	13.2	10.6	15.8	
129	10.6	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
5/11/2019 12:12:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.575 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010353.D
Acq: 10 May 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	343295		
182	93.8	47.8	143.3	
145	32.3	16.4	49.2	

