

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010453.D
 Acq On : 20 May 2019 17:20
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:53 AM

Quant Time: May 21 06:39:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	243299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	216142	142.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.62%	
35) Dibromofluoromethane	7.88	113	223791	150.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.12%	
50) Toluene-d8	10.32	98	853254	152.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.86%	
62) 4-Bromofluorobenzene	12.62	95	328390	149.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	187827	155.583	ug/l	99
3) Chloromethane	2.21	50	215846	132.512	ug/l	99
4) Vinyl Chloride	2.36	62	257114	149.728	ug/l	100
5) Bromomethane	2.73	94	177179	176.453	ug/l	99
6) Chloroethane	2.89	64	155685	144.858	ug/l	98
7) Trichlorofluoromethane	3.25	101	378198	158.299	ug/l	98
8) Diethyl Ether	3.68	74	121928	146.133	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	230039	152.239	ug/l	98
10) Methyl Iodide	4.26	142	295209	172.464	ug/l	98
11) Tert butyl alcohol	5.17	59	94792	691.177	ug/l	99
12) 1,1-Dichloroethene	4.03	96	221190	154.397	ug/l	98
13) Acrolein	3.89	56	53518	521.285	ug/l	96
14) Allyl chloride	4.67	41	330036	150.452	ug/l	99
15) Acrylonitrile	5.37	53	251081	712.261	ug/l	99
16) Acetone	4.12	43	226482	809.328	ug/l	98
17) Carbon Disulfide	4.37	76	680472	163.779	ug/l	99
18) Methyl Acetate	4.67	43	106984	128.158	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	571814	142.563	ug/l	98
20) Methylene Chloride	4.92	84	244478	144.573	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	255561	153.436	ug/l	98
22) Diisopropyl ether	6.31	45	675535	145.541	ug/l	99
23) Vinyl Acetate	6.26	43	2068076	720.654	ug/l	98
24) 1,1-Dichloroethane	6.21	63	402248	148.354	ug/l	98
25) 2-Butanone	7.17	43	322288	706.754	ug/l	99
26) 2,2-Dichloropropane	7.17	77	363921	147.358	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	278094	149.845	ug/l	100
28) Bromochloromethane	7.51	49	145353	145.727	ug/l	98
29) Tetrahydrofuran	7.53	42	213290	691.249	ug/l	99
30) Chloroform	7.68	83	426164	149.299	ug/l	100
31) Cyclohexane	7.95	56	383211	139.934	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	401409	148.835	ug/l	99
36) 1,1-Dichloropropene	8.08	75	331167	151.139	ug/l	100
37) Ethyl Acetate	7.25	43	145553	142.110	ug/l	100
38) Carbon Tetrachloride	8.07	117	363392	153.660	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	447382	152.420	ug/l	100
40) Benzene	8.32	78	944899	151.557	ug/l	100
41) Methacrylonitrile	7.48	41	86466	144.892	ug/l	97
42) 1,2-Dichloroethane	8.40	62	271233	147.599	ug/l	100
43) Isopropyl Acetate	8.43	43	295286	142.403	ug/l	99
44) Trichloroethene	9.09	130	282165	157.385	ug/l	100
45) 1,2-Dichloropropane	9.37	63	228242	150.835	ug/l	98
46) Dibromomethane	9.46	93	131829	148.052	ug/l	96
47) Bromodichloromethane	9.65	83	337965	152.037	ug/l	98
48) Methyl methacrylate	9.43	41	134544	140.374	ug/l	96
49) 1,4-Dioxane	9.45	88	40515	3073.940	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	737552	694.392	ug/l	99
52) Toluene	10.39	92	640497	154.697	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	342790	150.105	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	392560	151.174	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	191083	148.773	ug/l	99
56) Ethyl methacrylate	10.65	69	261295	145.684	ug/l	99
57) 1,3-Dichloropropane	10.93	76	317733	147.379	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	589603	705.890	ug/l	99
59) 2-Hexanone	10.97	43	523541	705.655	ug/l	99
60) Dibromochloromethane	11.13	129	247880	155.123	ug/l	100
61) 1,2-Dibromoethane	11.24	107	193687	148.495	ug/l	98
64) Tetrachloroethene	10.87	164	229667	156.716	ug/l	97
65) Chlorobenzene	11.66	112	694317	154.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	249825	150.393	ug/l	99
67) Ethyl Benzene	11.73	91	1203089	151.162	ug/l	100
68) m/p-Xylenes	11.84	106	953050	305.775	ug/l	99
69) o-Xylene	12.17	106	455823	153.723	ug/l	99
70) Styrene	12.18	104	786305	154.254	ug/l	100
71) Bromoform	12.35	173	147556	159.842	ug/l #	99
73) Isopropylbenzene	12.47	105	1220572	146.634	ug/l	100
74) N-amyl acetate	12.27	43	300777	144.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	222518	137.880	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	157663m	140.121	ug/l	
77) Bromobenzene	12.75	156	285708	152.336	ug/l	99
78) n-propylbenzene	12.80	91	1427788	148.253	ug/l	99
79) 2-Chlorotoluene	12.90	91	827759	147.305	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1037314	146.761	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	78401	137.514	ug/l	98
82) 4-Chlorotoluene	12.99	91	859346	146.702	ug/l	99
83) tert-Butylbenzene	13.21	119	907855	151.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1026445	147.318	ug/l	100
85) sec-Butylbenzene	13.39	105	1248271	148.061	ug/l	99
86) p-Isopropyltoluene	13.50	119	1148214	150.399	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	544879	150.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	541765	150.165	ug/l	99
89) n-Butylbenzene	13.83	91	1091046	149.988	ug/l	100
90) Hexachloroethane	14.10	117	230599	150.802	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	492711	150.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	39915	132.616	ug/l	97

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ClientSampleId :
VSTDICC150

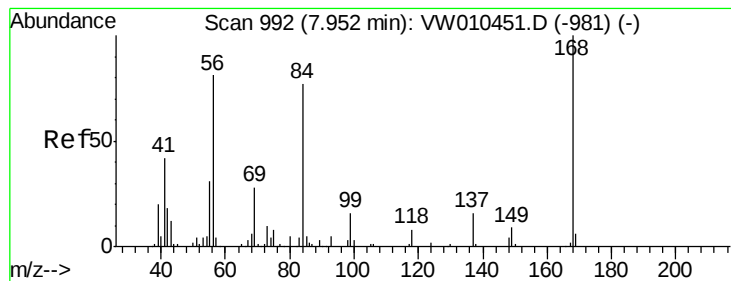
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331949	153.500	ug/l	100
94) Hexachlorobutadiene	15.24	225	180206	155.325	ug/l	98
95) Naphthalene	15.37	128	698624	145.000	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	287982	151.517	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 140951

Ion Ratio Lower Upper

168 100

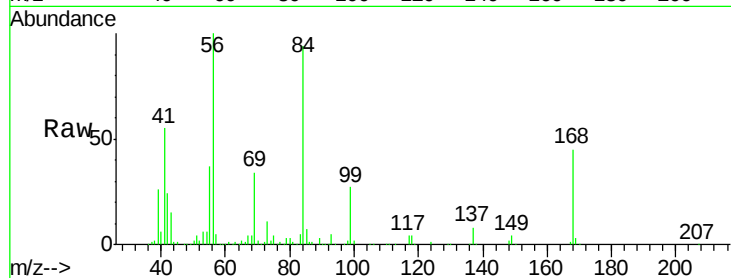
99 59.2 46.1 69.1

Manual Integrations

APPROVED

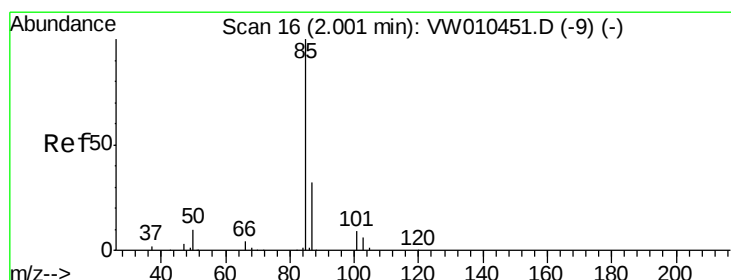
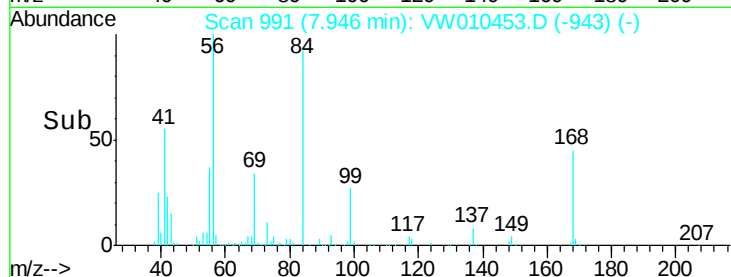
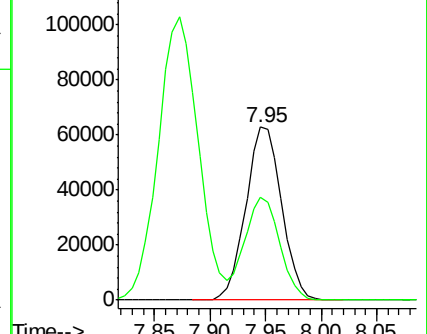
MMDadoda

5/21/2019 11:28:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 155.583 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010453.D

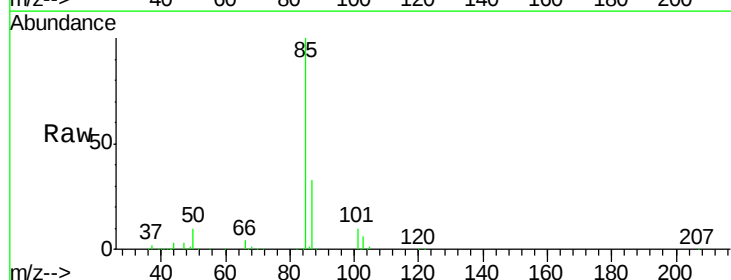
Acq: 20 May 2019 17:20

Tgt Ion: 85 Resp: 187827

Ion Ratio Lower Upper

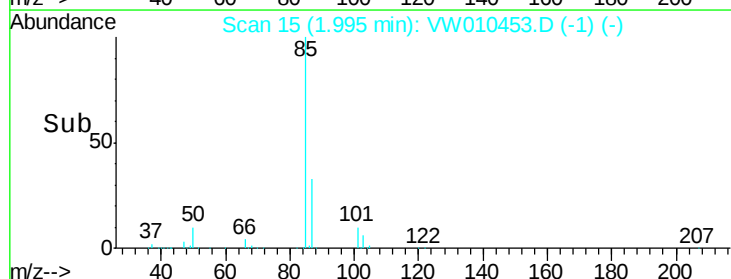
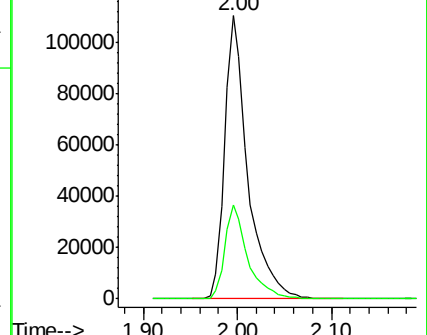
85 100

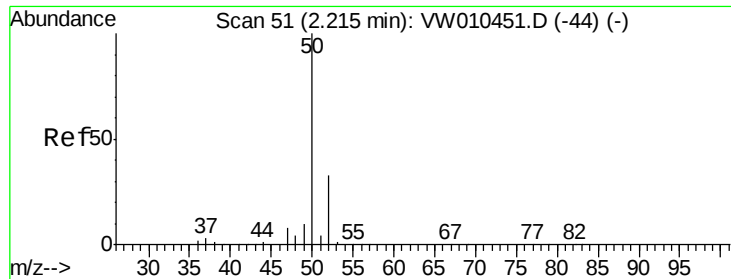
87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 132.512 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 215846

Ion Ratio Lower Upper

50 100

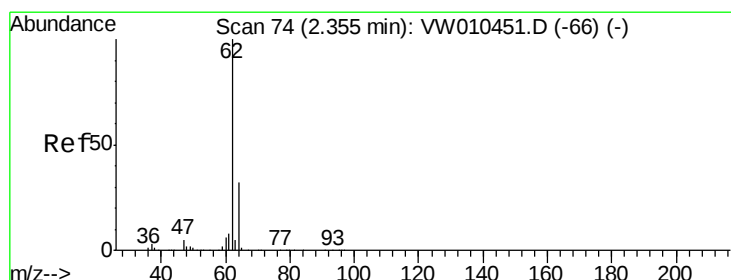
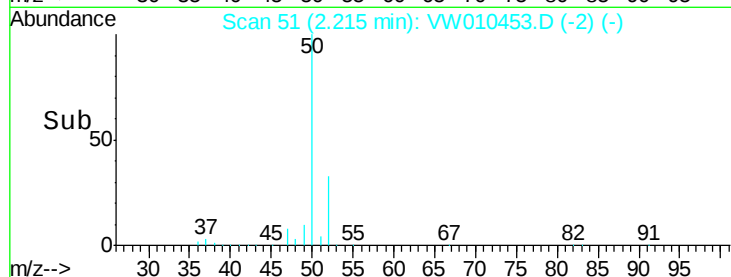
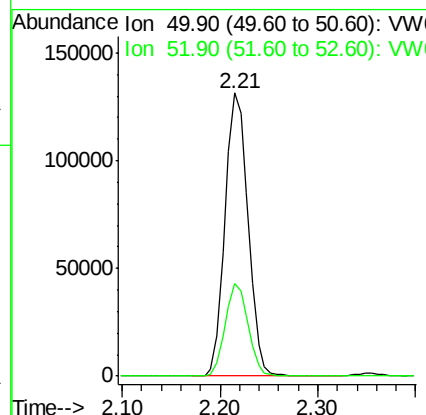
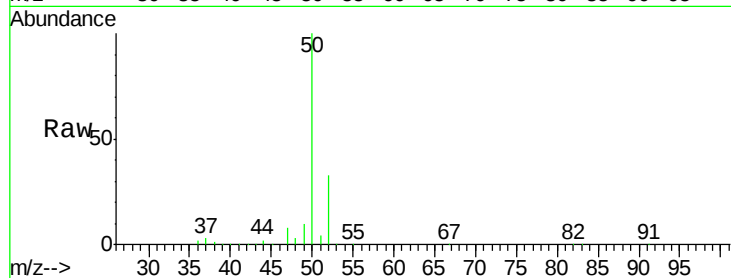
52 32.5 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 149.728 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010453.D

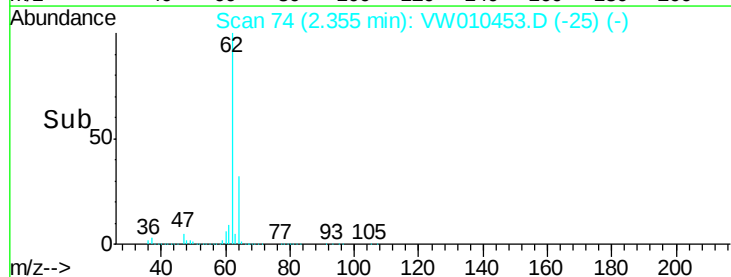
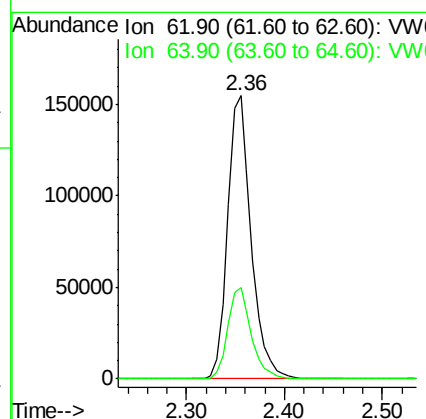
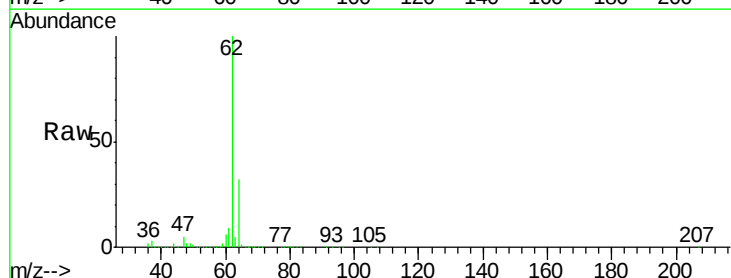
Acq: 20 May 2019 17:20

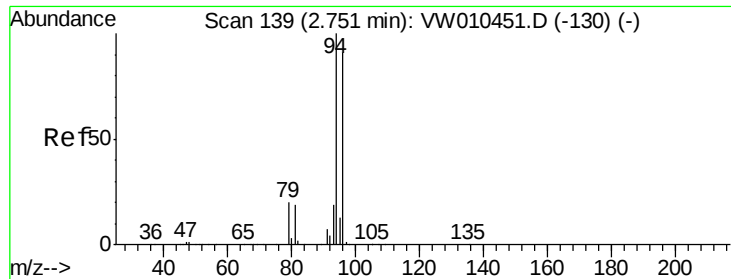
Tgt Ion: 62 Resp: 257114

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8





#5

Bromomethane

Concen: 176.453 ug/l

RT: 2.73 min Scan# 135

Delta R.T. -0.02 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 177179

Ion Ratio Lower Upper

94 100

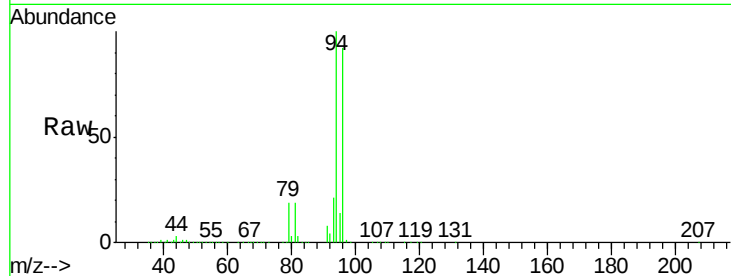
96 92.5 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.73

100000

80000

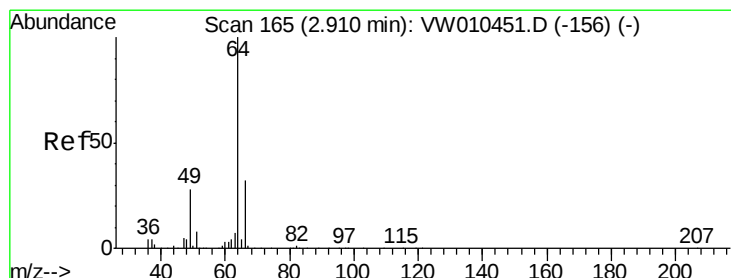
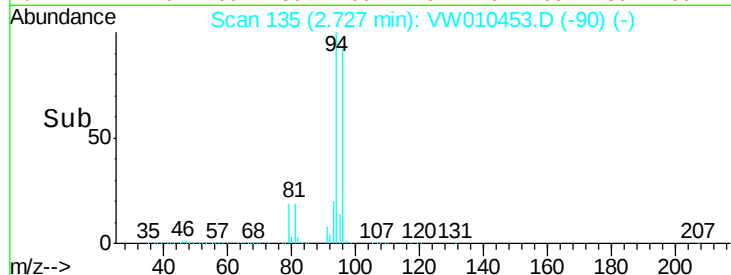
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 144.858 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW010453.D

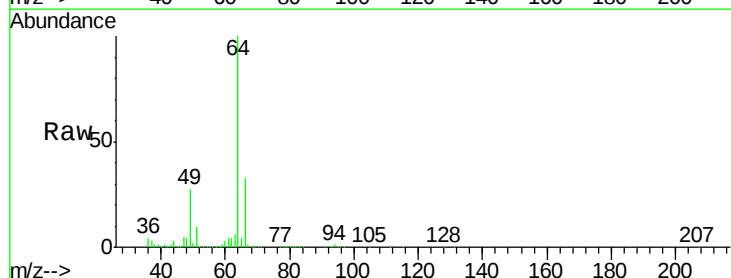
Acq: 20 May 2019 17:20

Tgt Ion: 64 Resp: 155685

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.89

80000

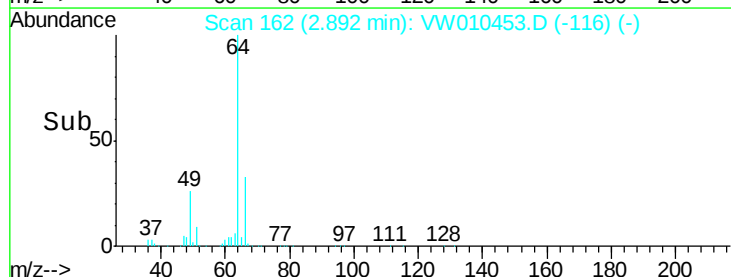
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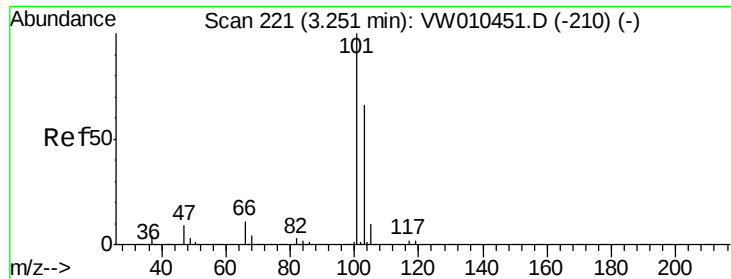
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Time-->





#7

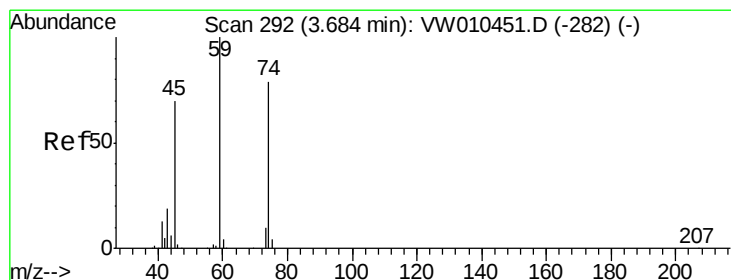
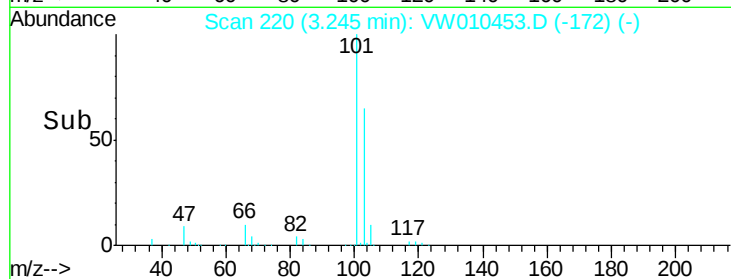
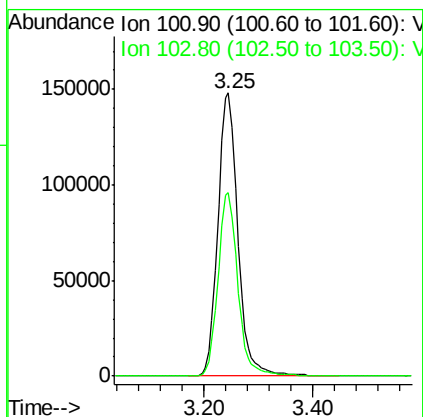
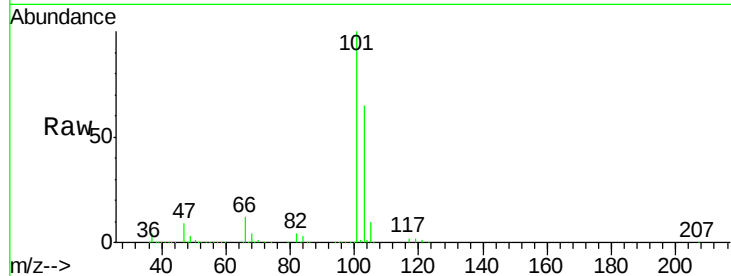
Trichlorofluoromethane
Concen: 158.299 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	378198		
103	64.9	53.0	79.4	

Manual Integrations
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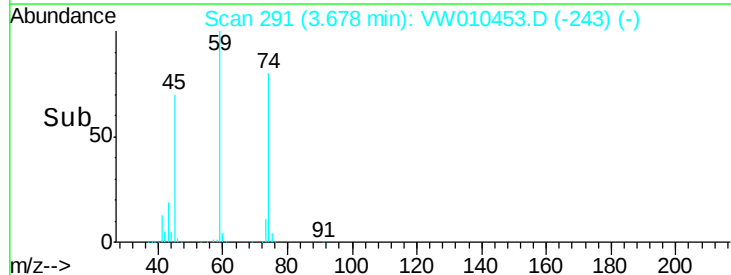
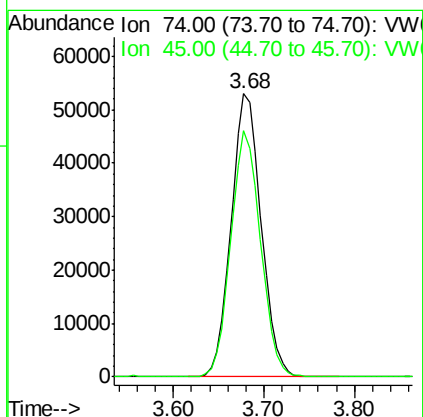
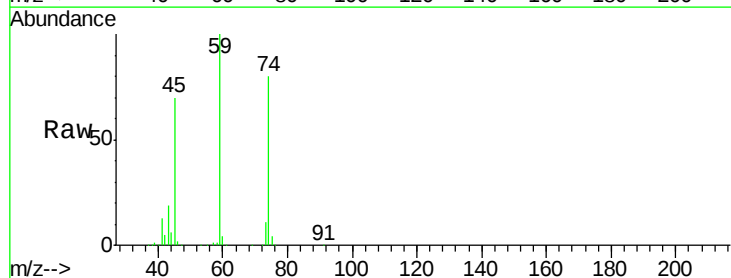
MMDadoda
5/21/2019 11:28:53 AM

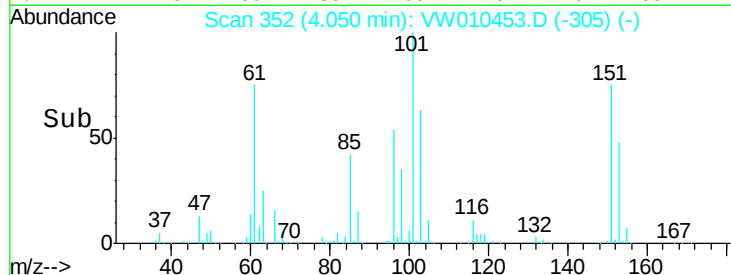
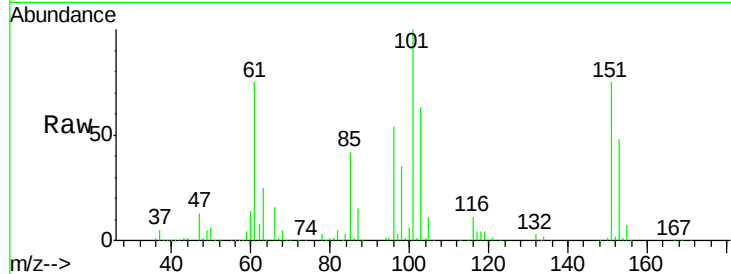
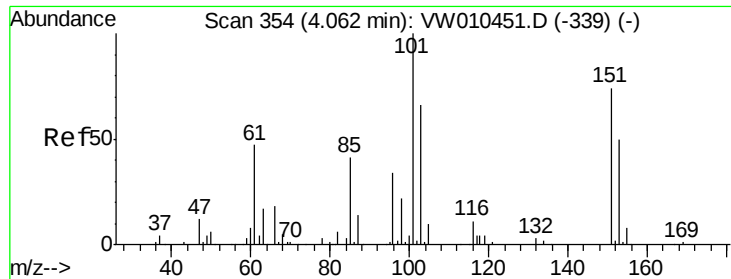


#8

Diethyl Ether
Concen: 146.133 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	121928		
45	85.9	42.9	128.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 152.239 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010453.D

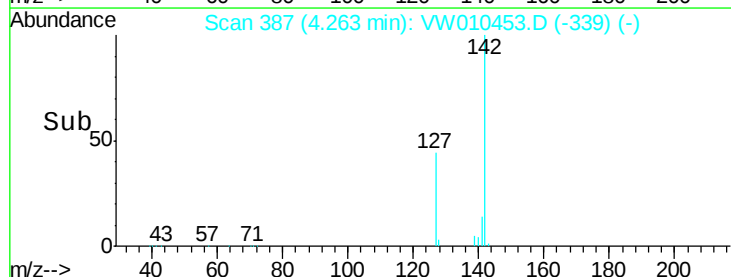
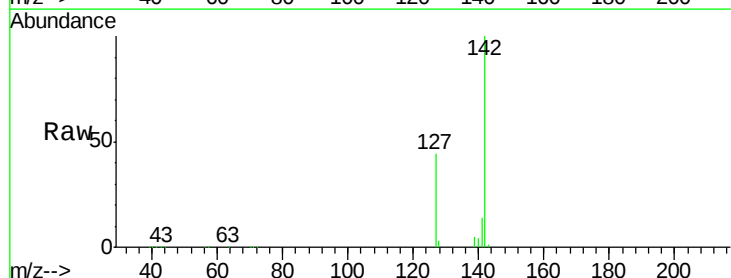
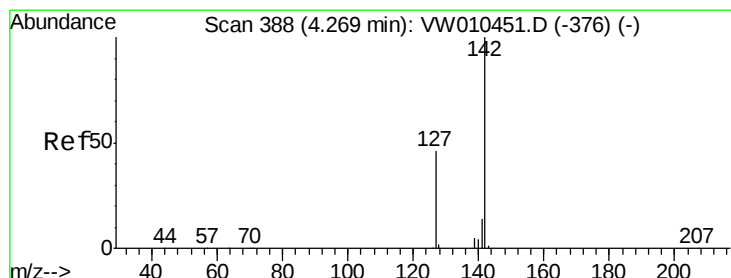
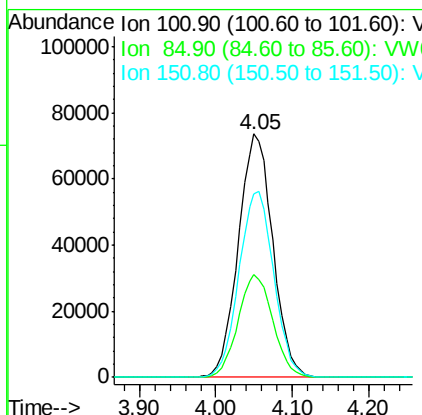
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	230039		
85	42.5	34.3	51.5	
151	77.3	60.3	90.5	

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#10

Methyl Iodide

Concen: 172.464 ug/l

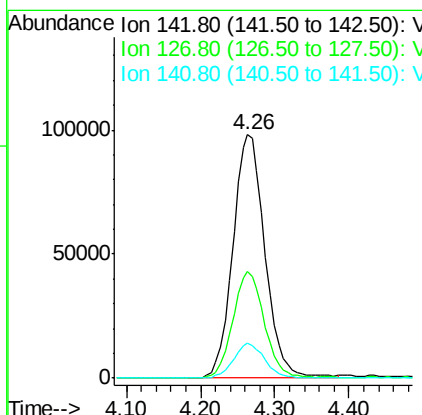
RT: 4.26 min Scan# 387

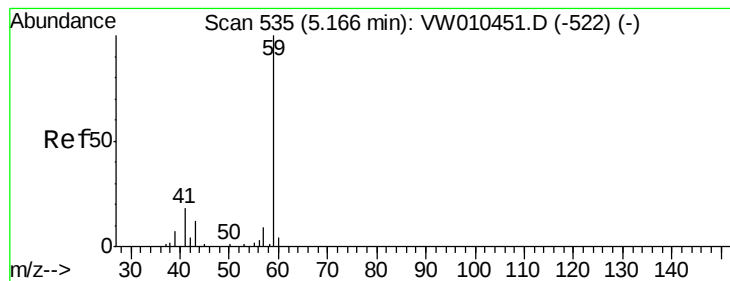
Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	295209		
127	43.2	36.1	54.1	
141	13.9	11.3	16.9	





#11

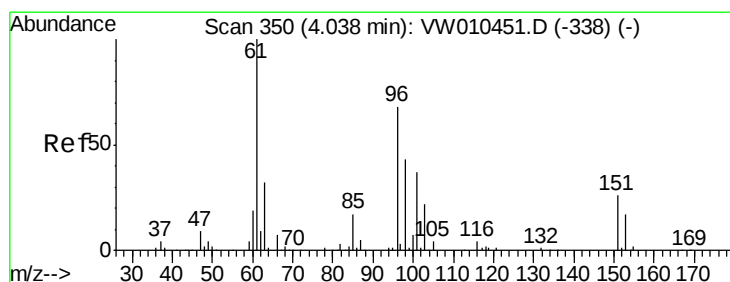
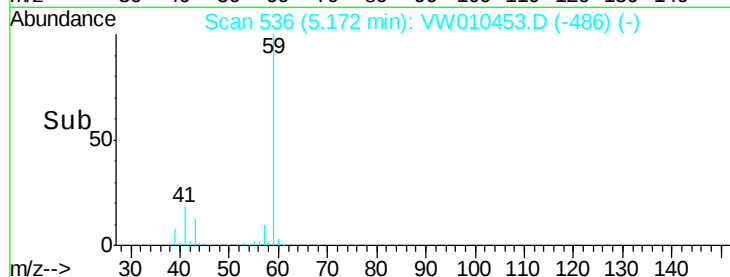
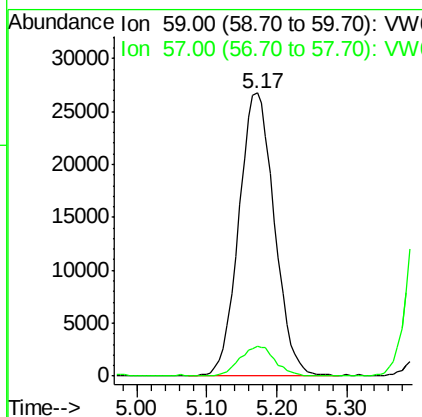
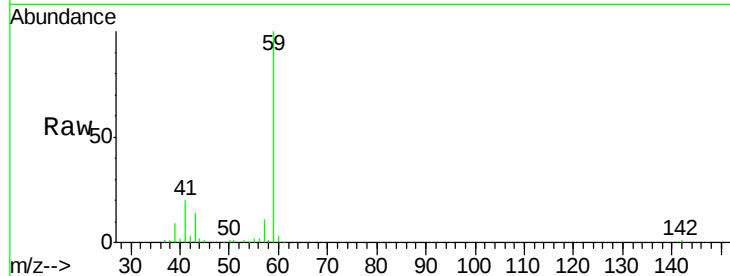
Tert butyl alcohol
Concen: 691.177 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	94792
Ion Ratio	100	Lower	Upper
57	10.7	8.8	13.2

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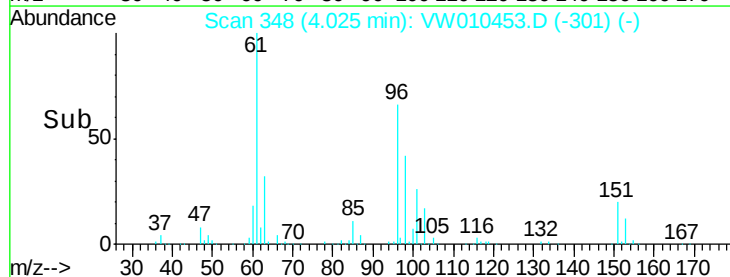
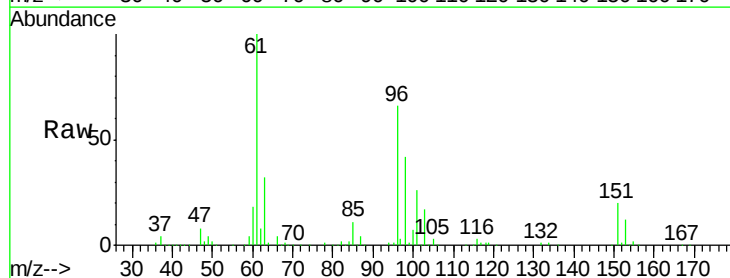
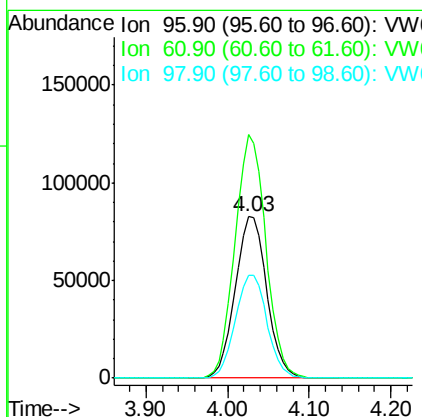
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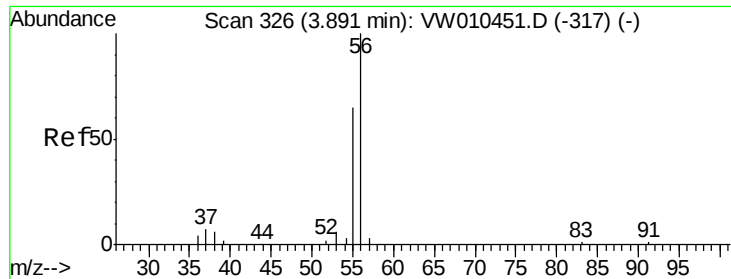


#12

1,1-Dichloroethene
Concen: 154.397 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	96	Resp	221190
Ion Ratio	100	Lower	Upper
61	150.9	118.3	177.5
98	63.9	51.0	76.6





#13

Acrolein

Concen: 521.285 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 53518

Ion Ratio Lower Upper

56 100

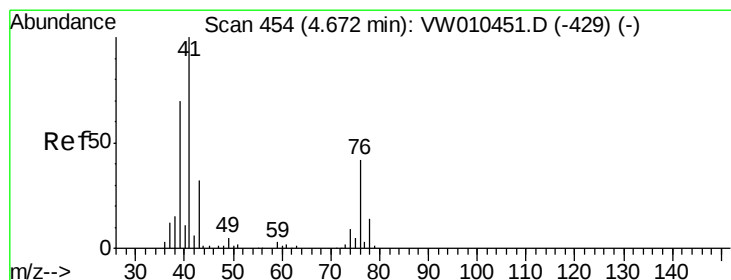
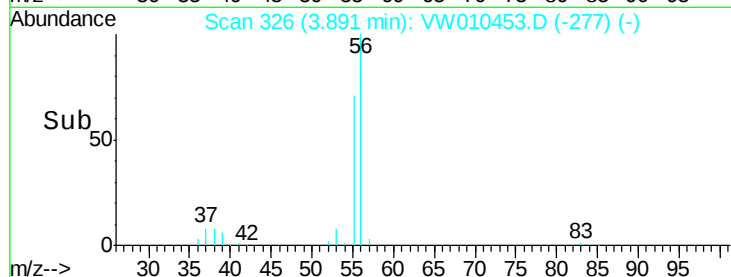
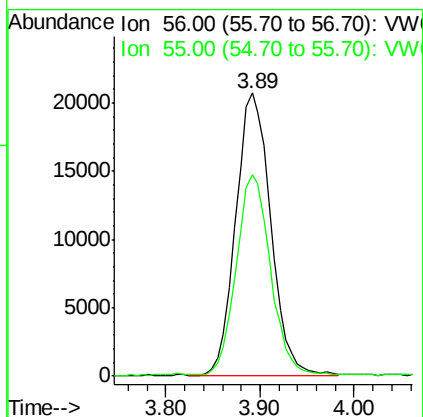
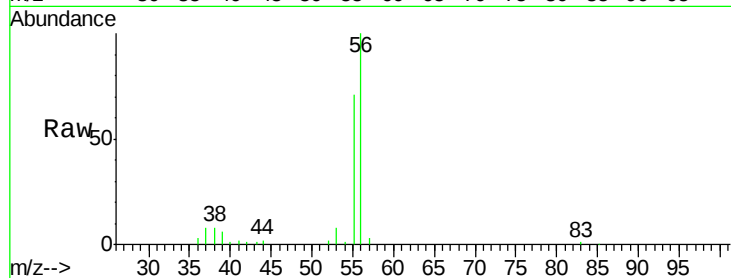
55 69.3 57.9 86.9

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#14

Allyl chloride

Concen: 150.452 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

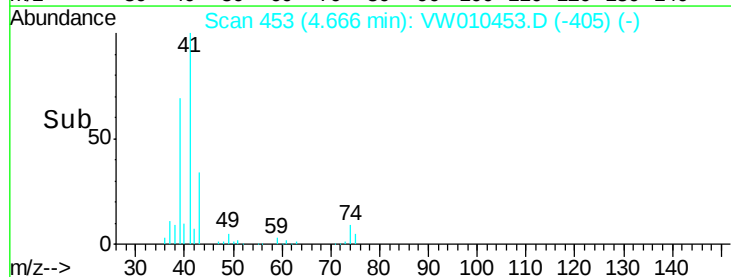
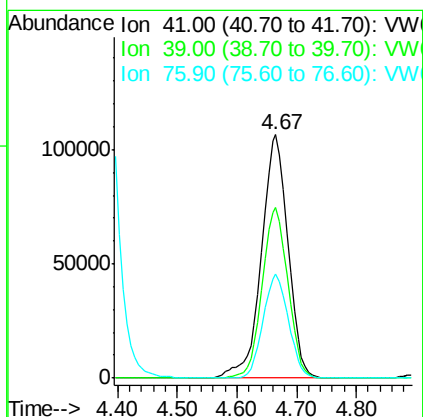
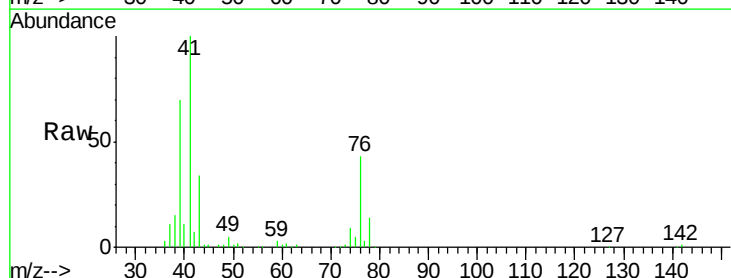
Tgt Ion: 41 Resp: 330036

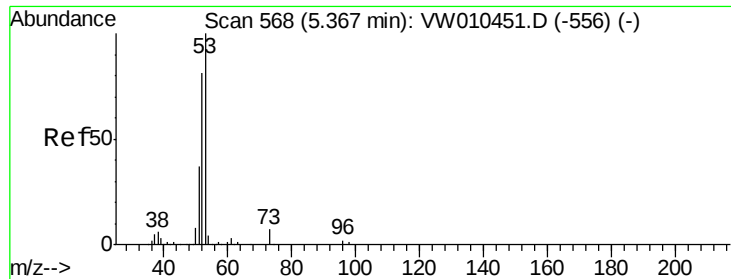
Ion Ratio Lower Upper

41 100

39 68.1 55.0 82.4

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 712.261 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

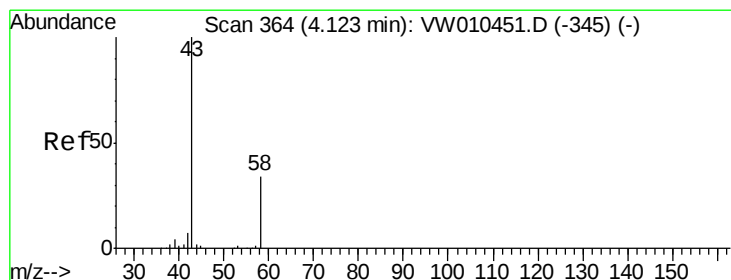
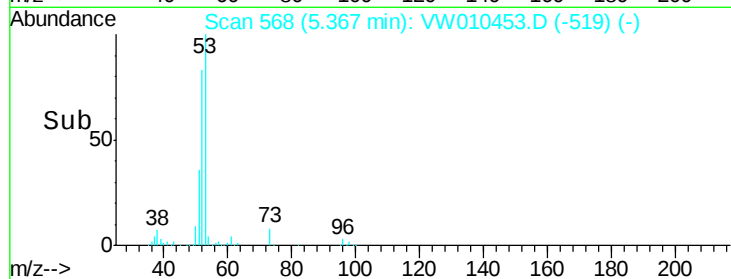
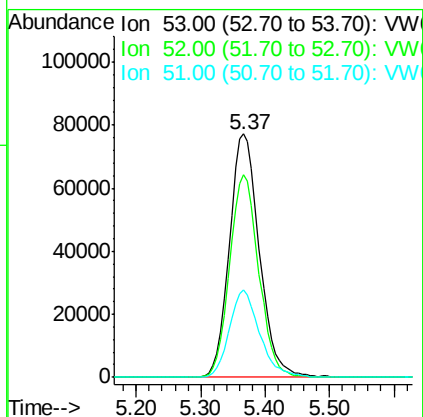
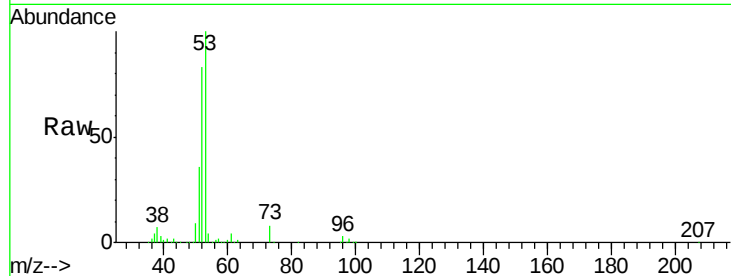
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	251081
Ion Ratio	Lower	Upper	
53	100		
52	80.9	65.6	98.4
51	36.3	29.5	44.3

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#16

Acetone

Concen: 809.328 ug/l

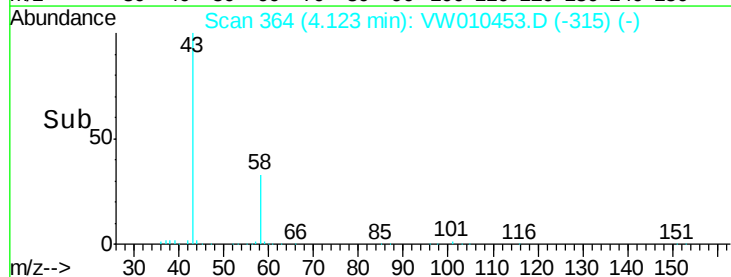
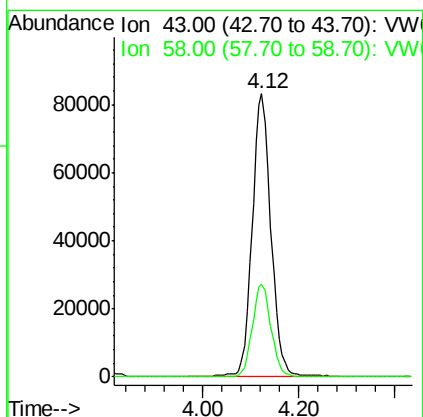
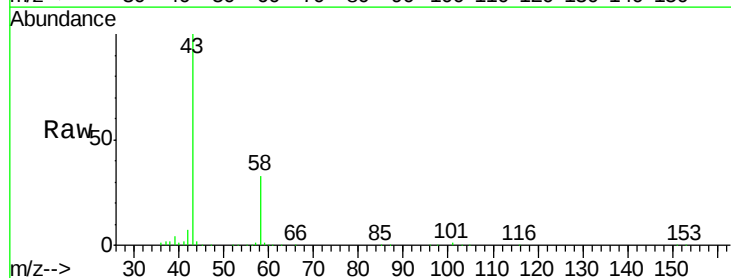
RT: 4.12 min Scan# 364

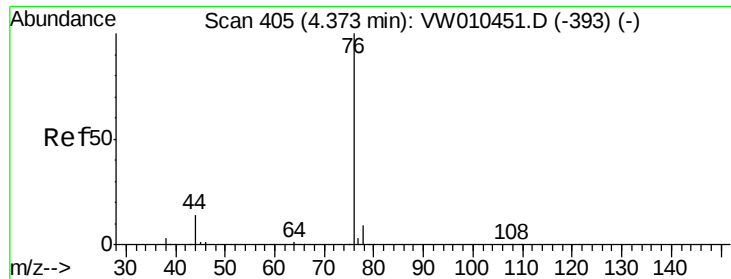
Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion:	43	Resp:	226482
Ion Ratio	Lower	Upper	
43	100		
58	32.8	27.0	40.4





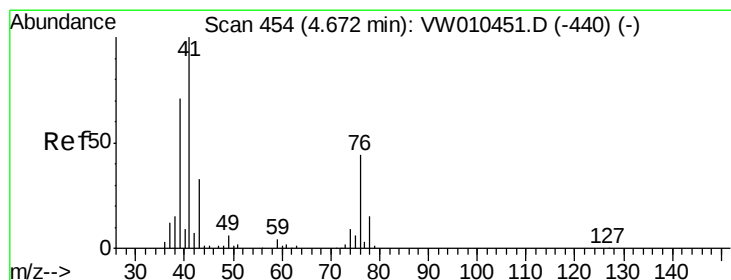
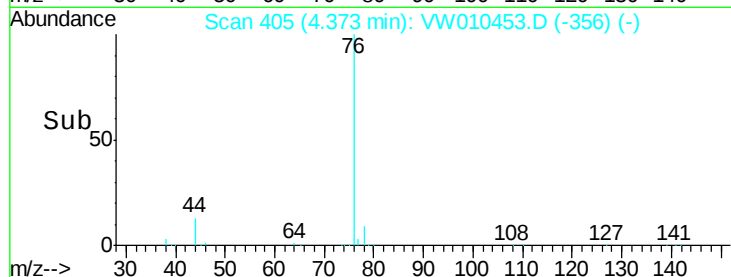
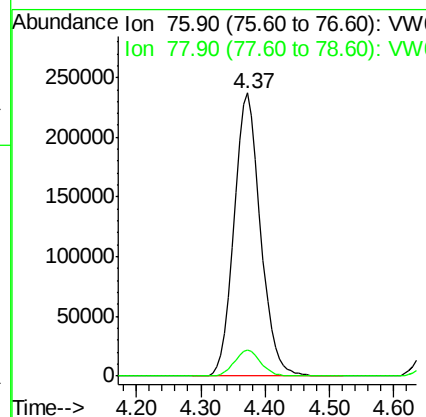
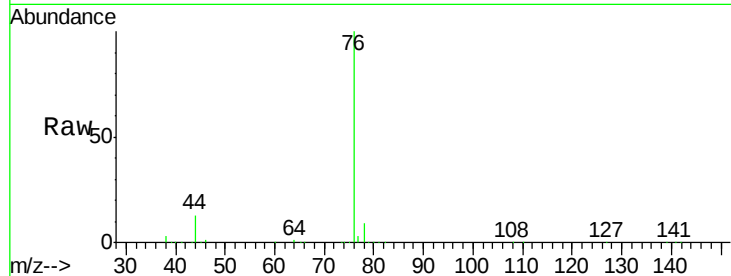
#17
Carbon Disulfide
Concen: 163.779 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

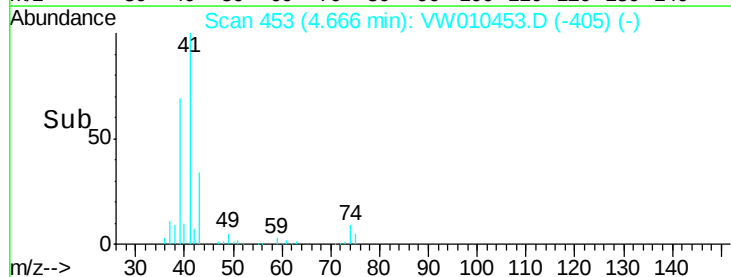
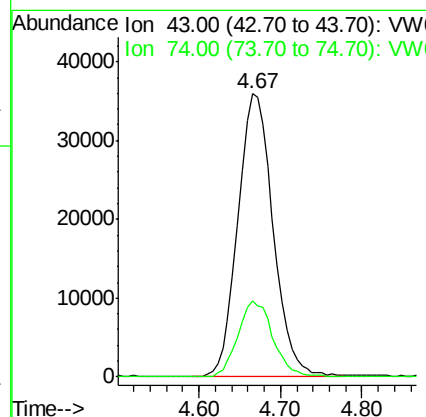
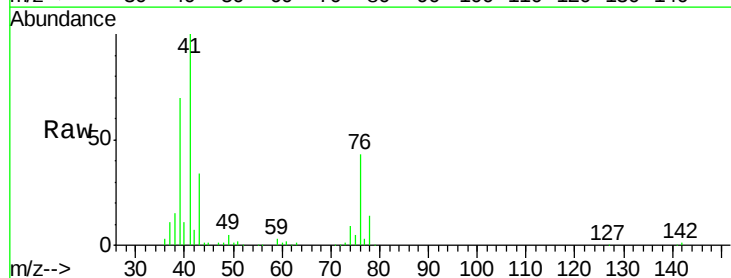
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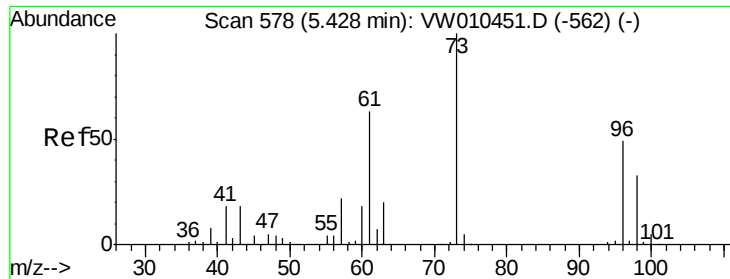
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#18
Methyl Acetate
Concen: 128.158 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.6	32.4





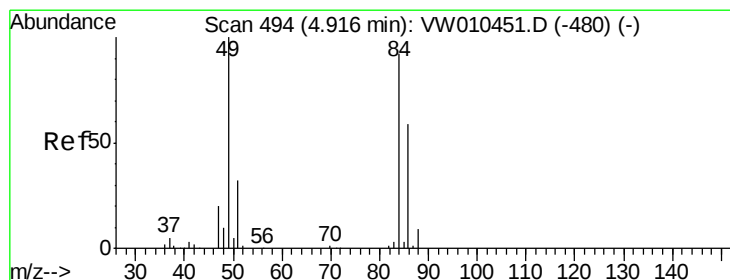
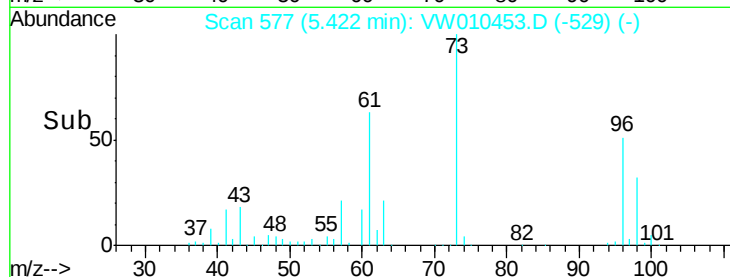
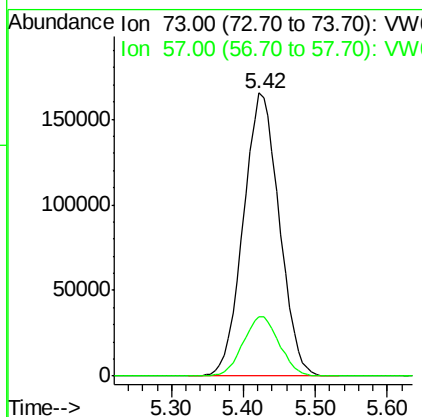
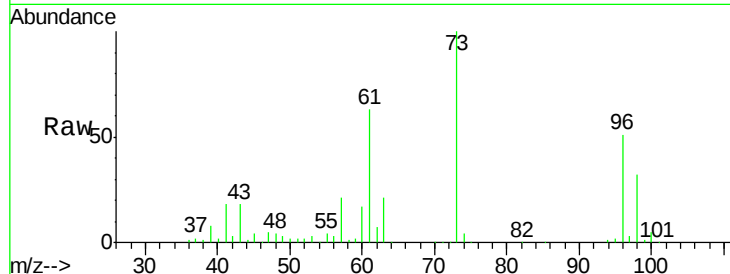
#19
Methvl tert-butvl Ether
Concen: 142.563 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 571814
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0

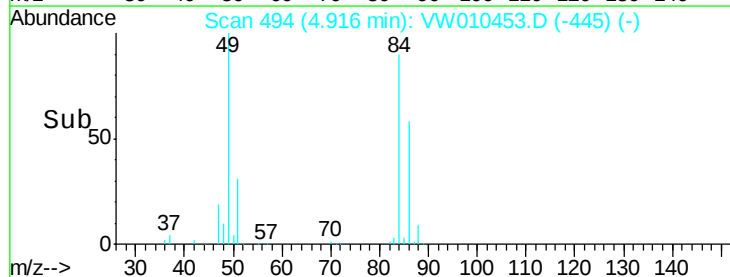
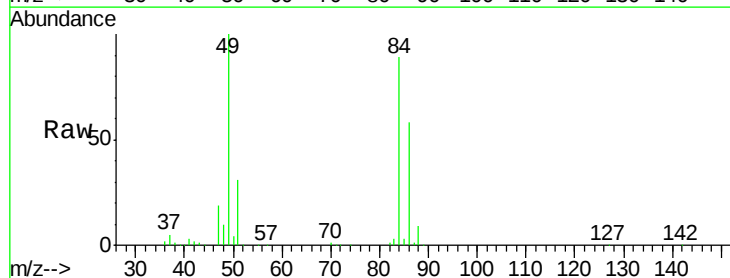
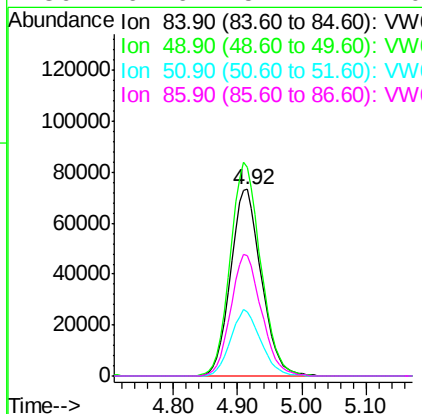
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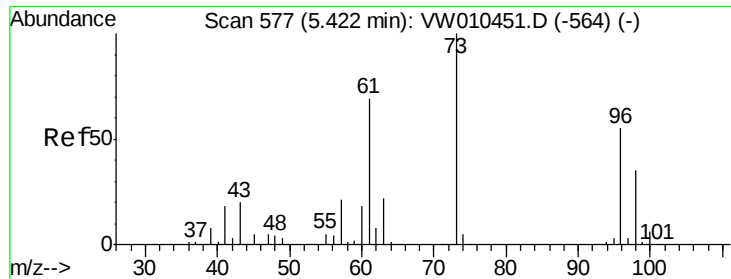
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#20
Methylene Chloride
Concen: 144.573 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 84 Resp: 244478
Ion Ratio Lower Upper
84 100
49 111.9 87.2 130.8
51 34.3 27.7 41.5
86 64.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 153.436 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

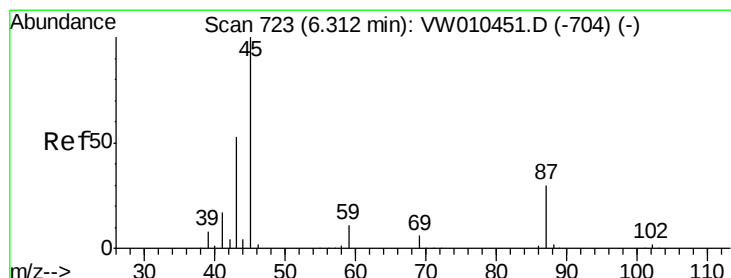
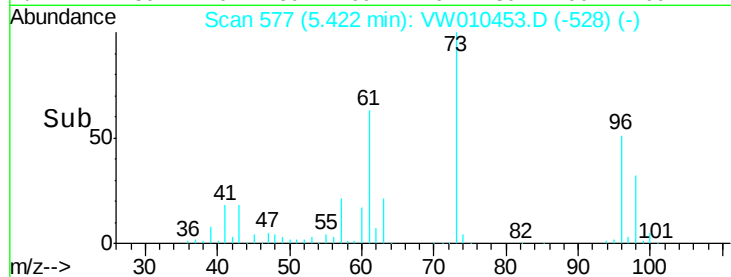
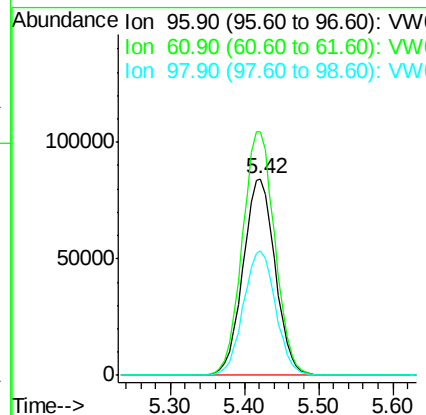
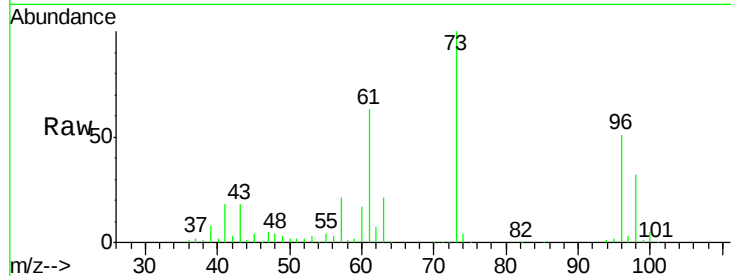
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	255561
Ion	Ratio	Lower	Upper
96	100		
61	123.7	101.4	152.0
98	63.2	50.6	76.0

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#22

Diisopropyl ether

Concen: 145.541 ug/l

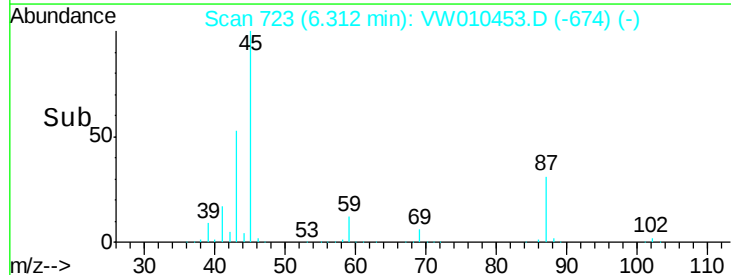
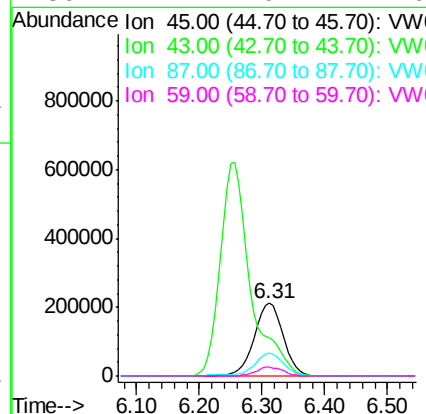
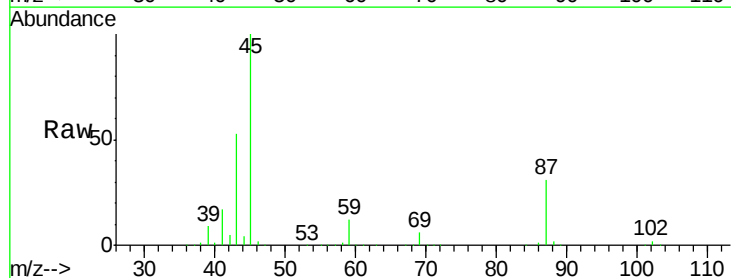
RT: 6.31 min Scan# 723

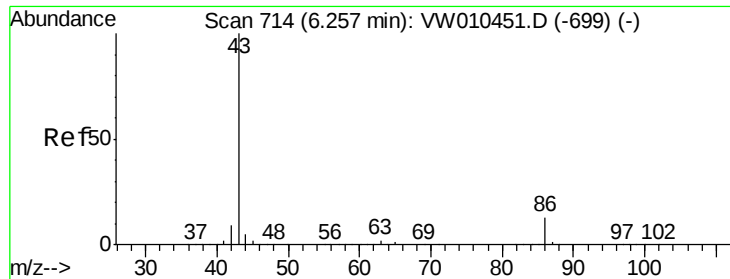
Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion:	45	Resp:	675535
Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.9	64.3
87	31.2	24.6	36.8
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 720.654 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2068076

Ion Ratio Lower Upper

43 100

86 12.3

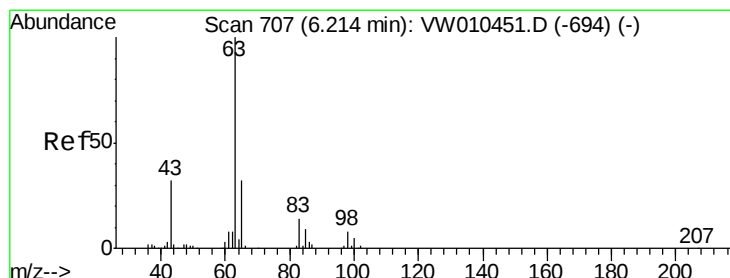
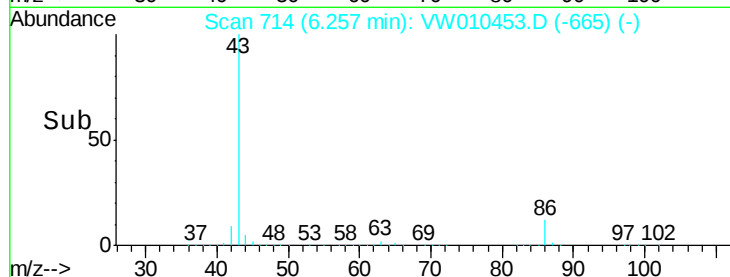
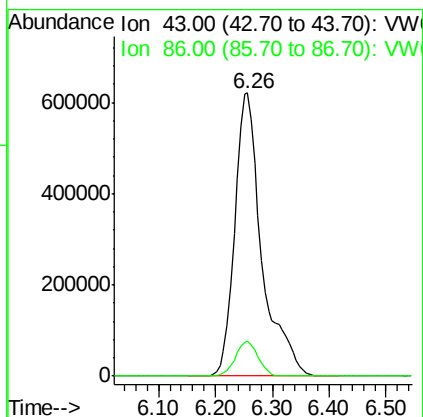
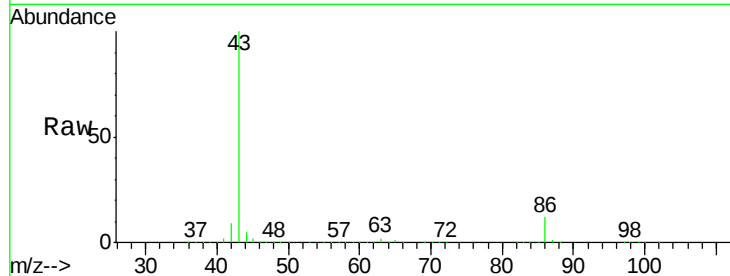
10.3 15.5

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#24

1,1-Dichloroethane

Concen: 148.354 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion: 63 Resp: 402248

Ion Ratio Lower Upper

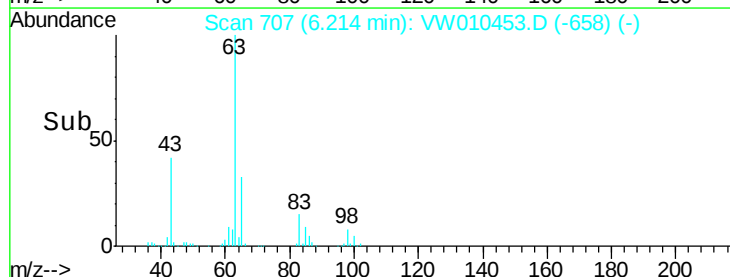
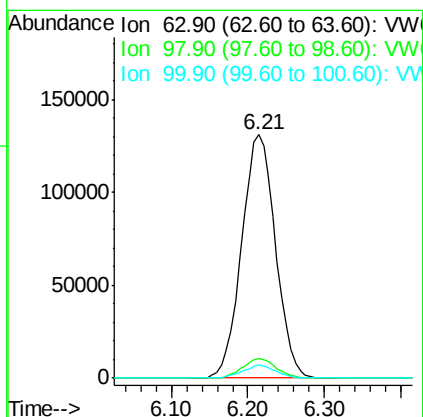
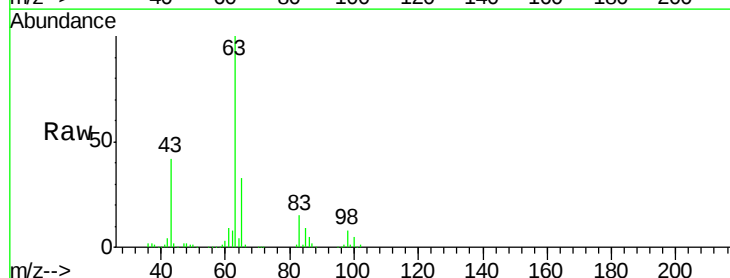
63 100

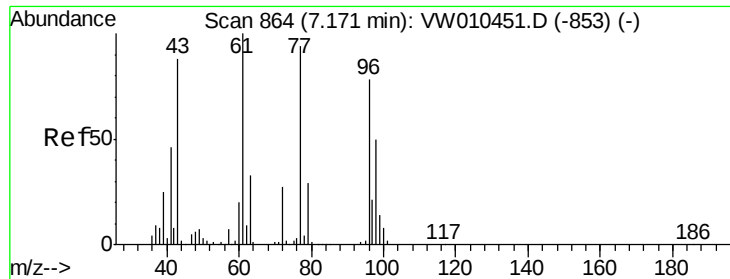
98 8.1

3.8 11.2

100 5.4

2.5 7.4





#25

2-Butanone

Concen: 706.754 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 322288

Ion Ratio Lower Upper

43 100

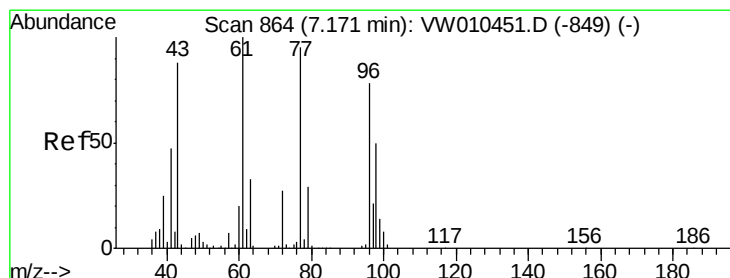
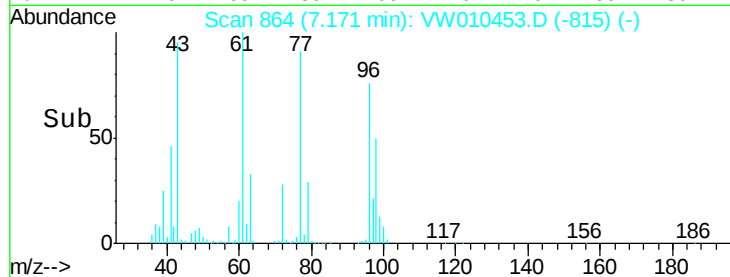
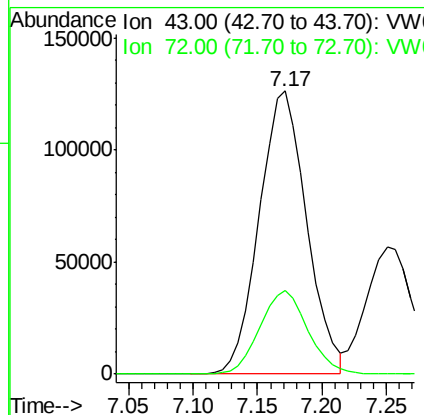
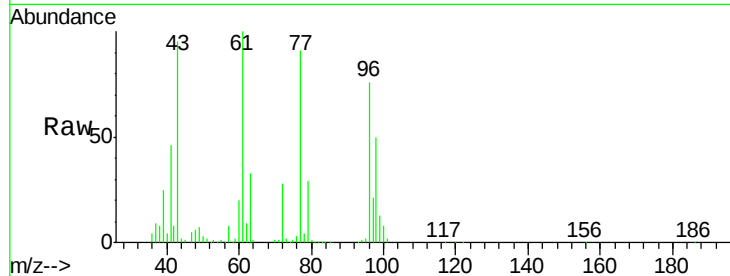
72 29.4 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 147.358 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010453.D

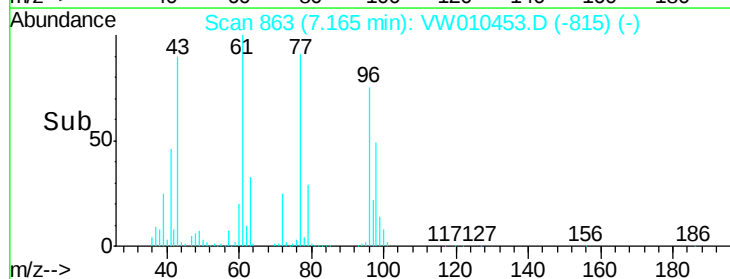
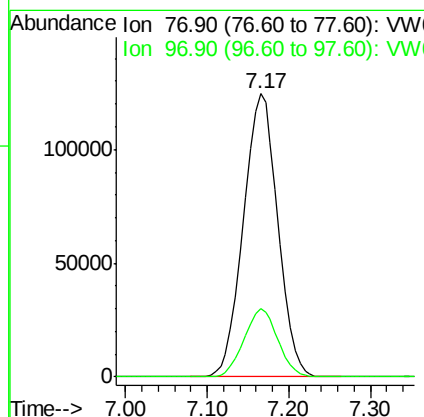
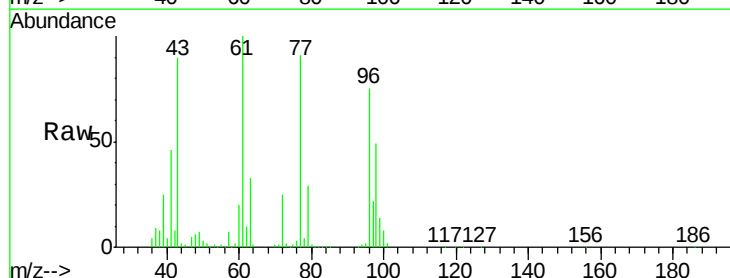
Acq: 20 May 2019 17:20

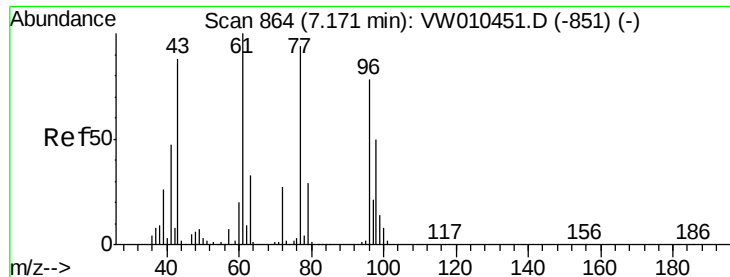
Tgt Ion: 77 Resp: 363921

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

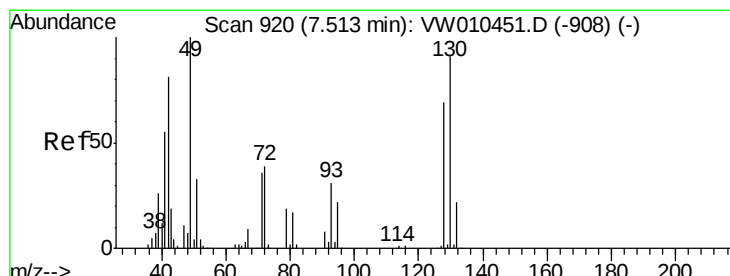
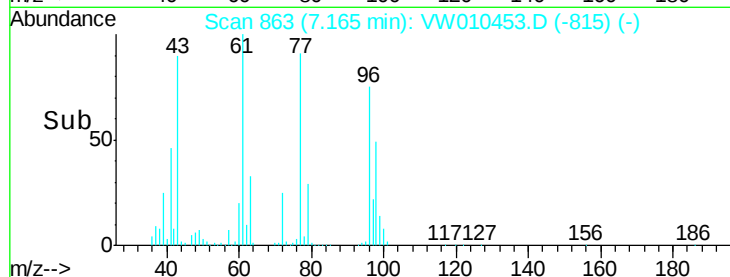
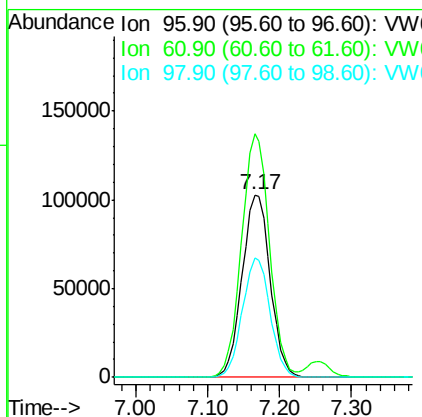
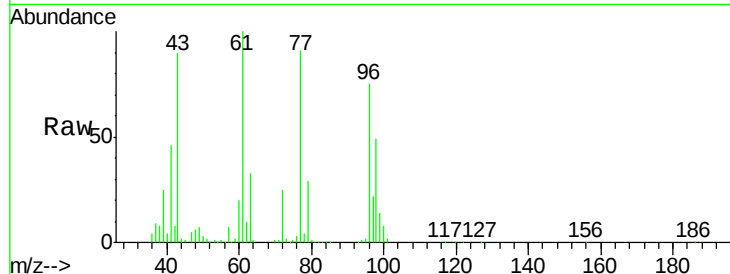
cis-1,2-Dichloroethene
Concen: 149.845 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	278094		
61	133.1		0.0	265.4
98	64.7		0.0	129.4

Manual Integrations
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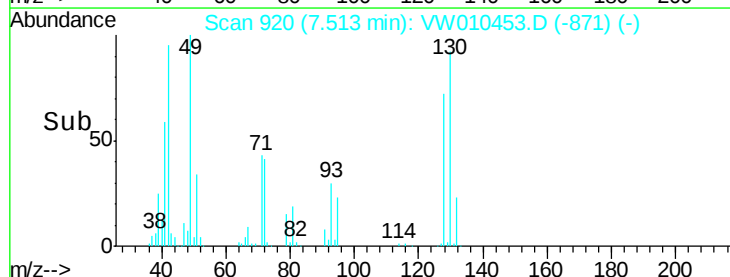
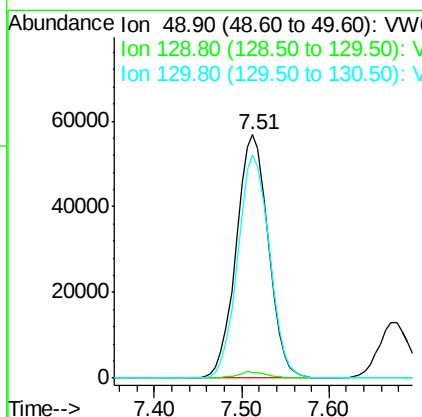
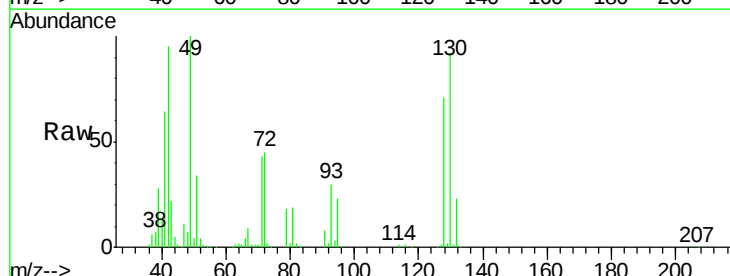
MMDadoda
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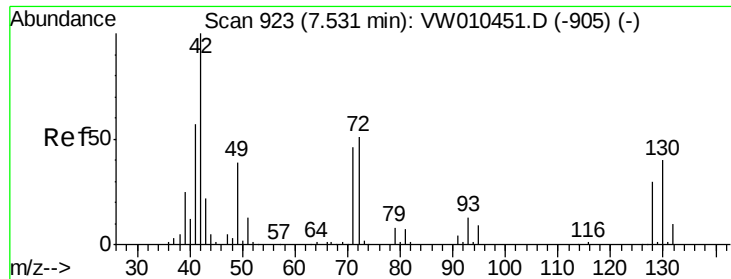


#28

Bromochloromethane
Concen: 145.727 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145353		
129	2.4		0.0	4.8
130	90.5		71.2	106.8





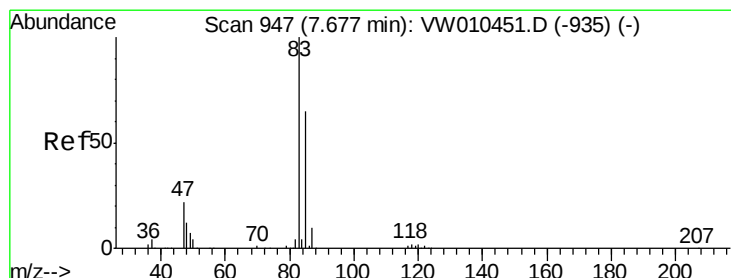
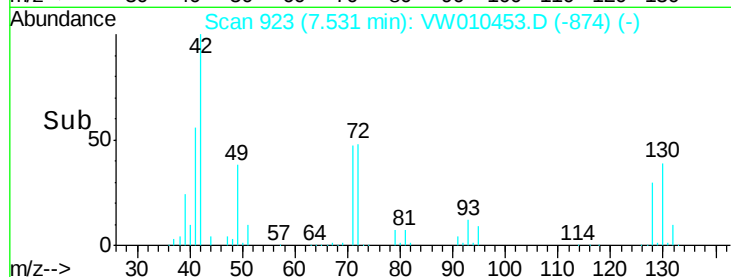
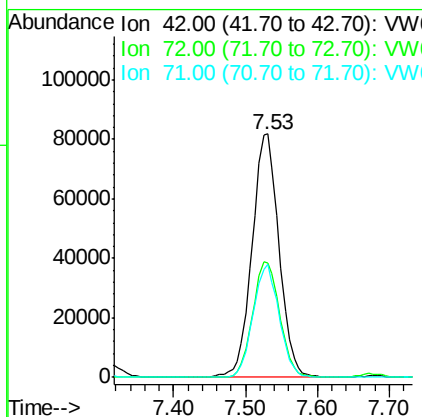
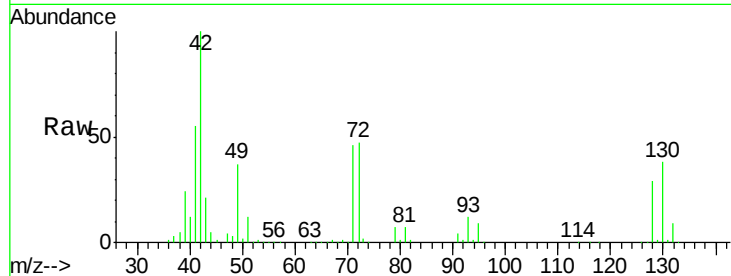
#29
Tetrahydrofuran
Concen: 691.249 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.5	57.7
71	44.8	36.5	54.7

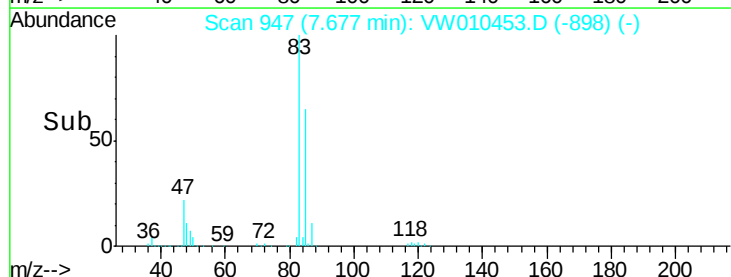
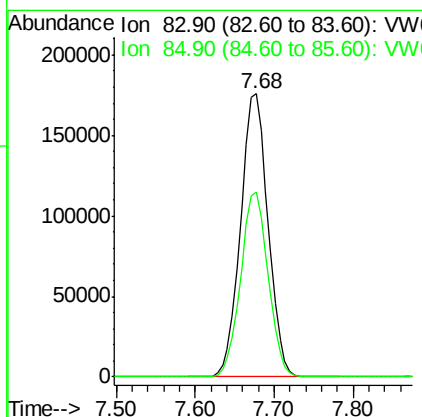
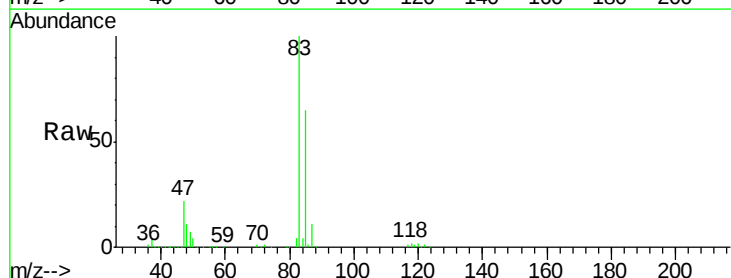
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APPROVED

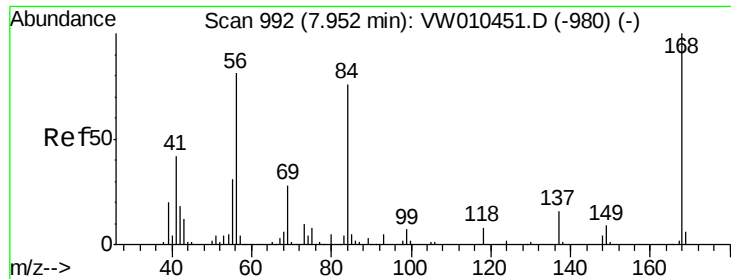
MMDadoda
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#30
Chloroform
Concen: 149.299 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





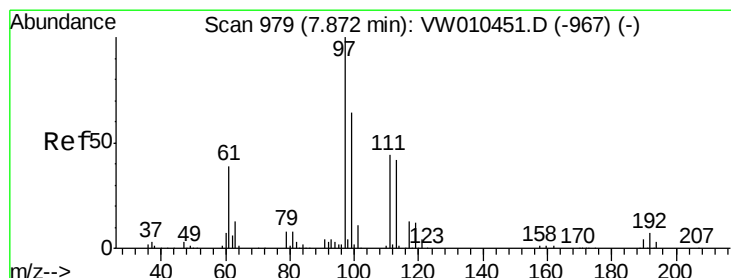
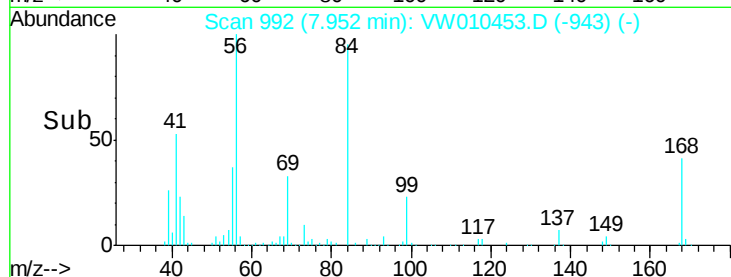
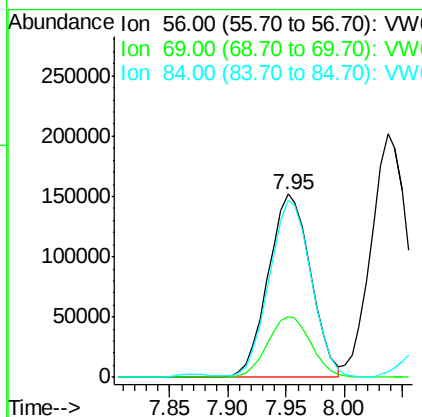
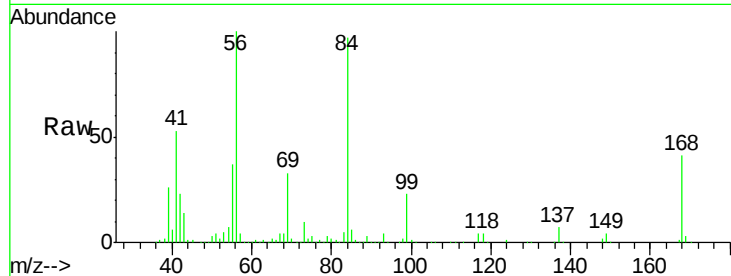
#31
Cyclohexane
Concen: 139.934 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	28.2	42.2
84	95.1	75.8	113.8

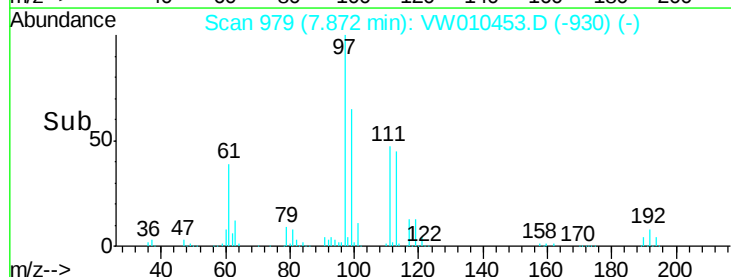
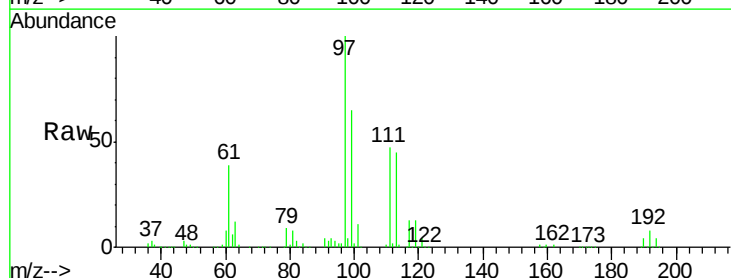
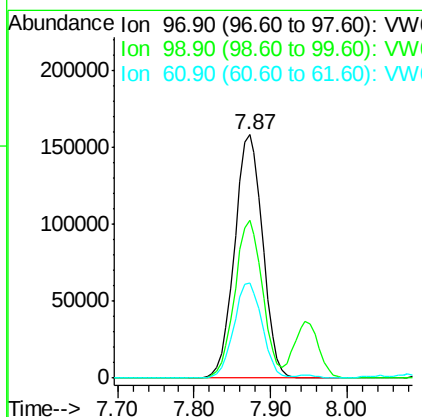
Manual Integrations
APPROVED

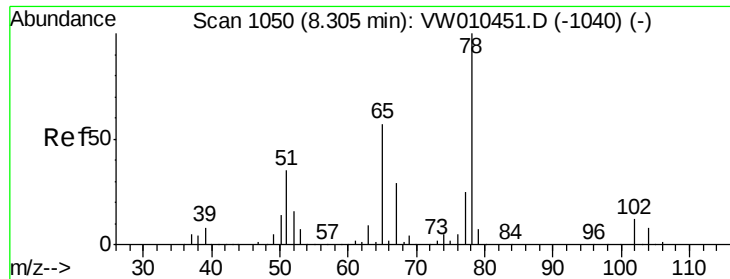
MMDadoda
5/21/2019 11:28:53 AM



#32
1,1,1-Trichloroethane
Concen: 148.835 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	39.4	32.1	48.1





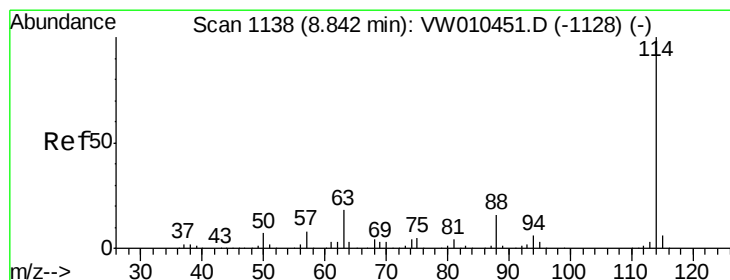
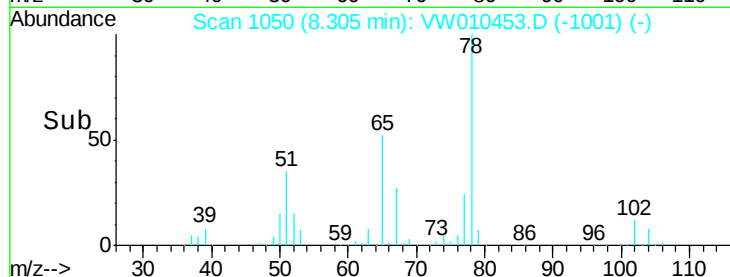
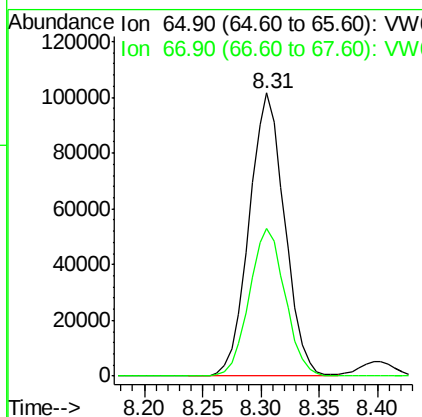
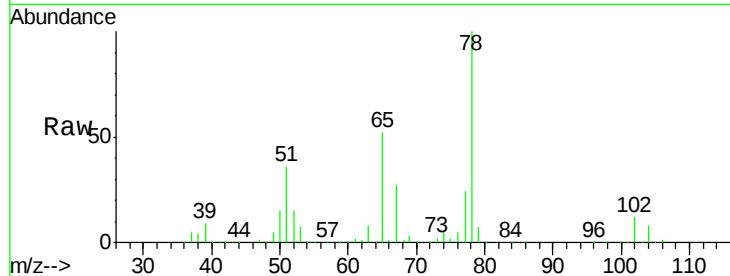
#33
 1,2-Dichloroethane-d4
 Concen: 142.305 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216142		
67	52.5	0.0	103.6	

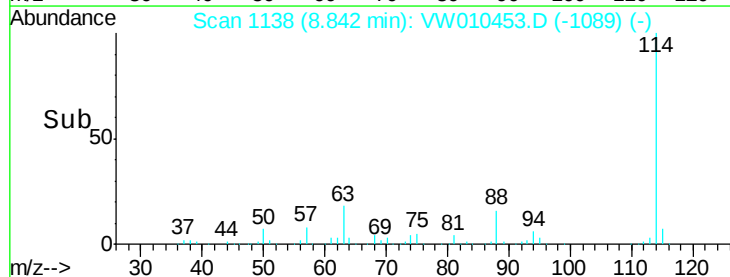
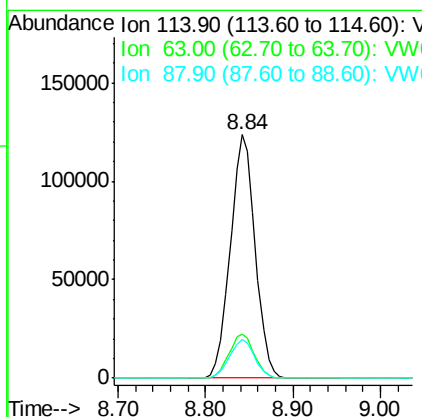
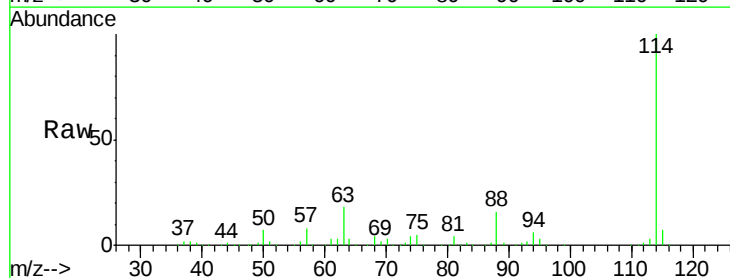
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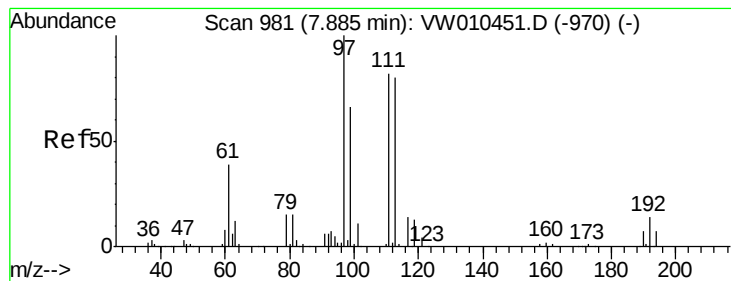
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 5/21/2019 11:28:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	243299		
63	18.2	0.0	36.0	
88	16.1	0.0	32.0	





#35

Dibromofluoromethane

Concen: 150.056 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

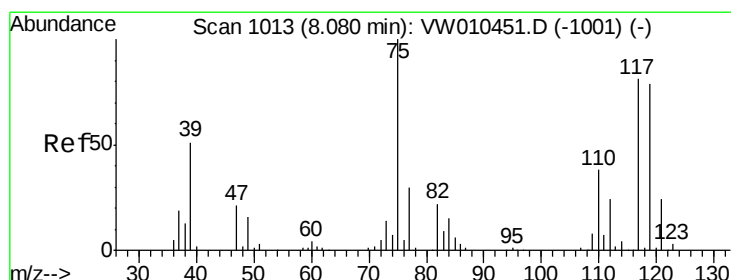
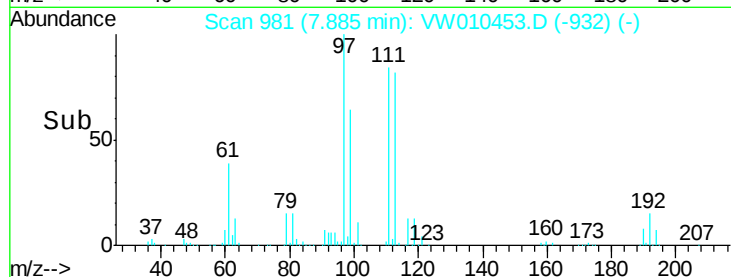
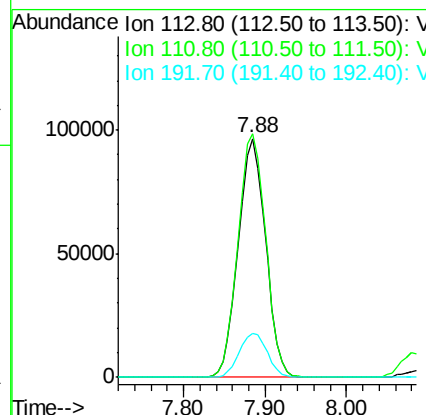
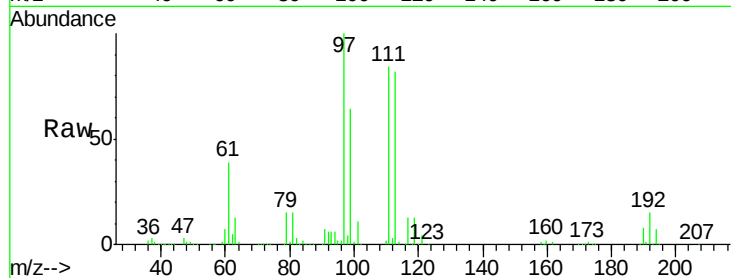
ClientSampled :

VSTDIC150

Tot Ion:	113	Resp:	223791
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.4
192	18.8	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 151.139 ug/l

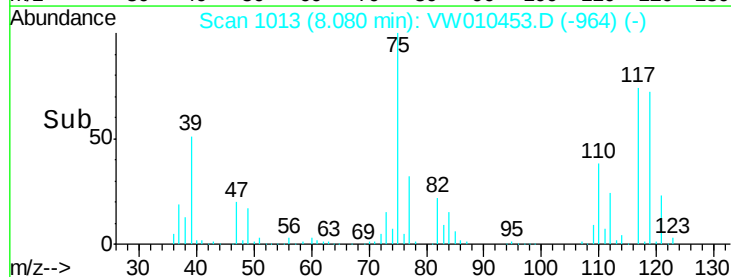
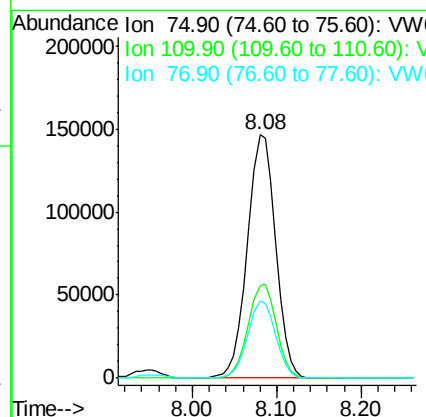
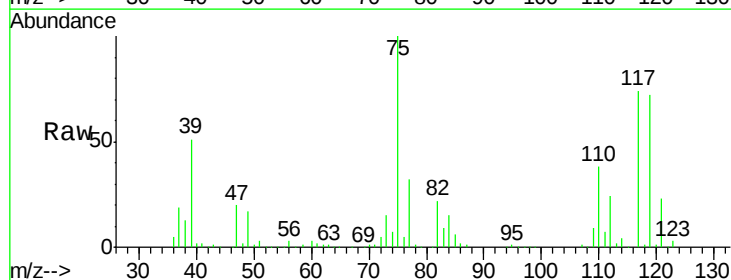
RT: 8.08 min Scan# 1013

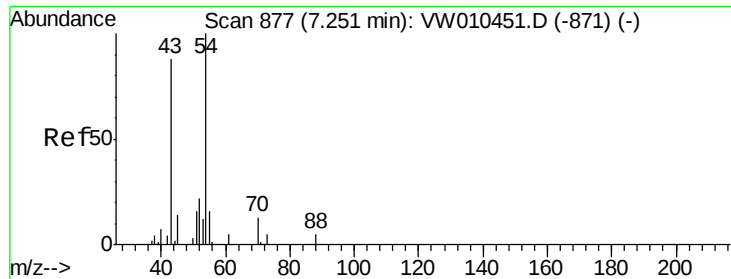
Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion:	75	Resp:	331167
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.2	57.6
77	31.6	25.2	37.8





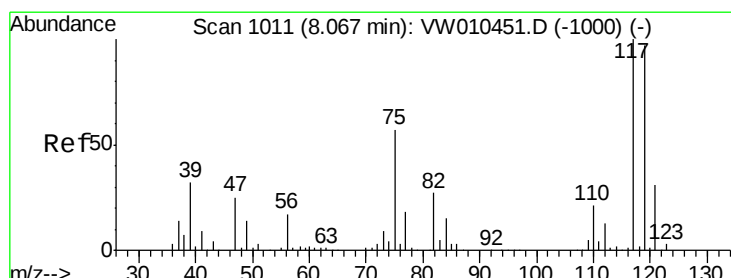
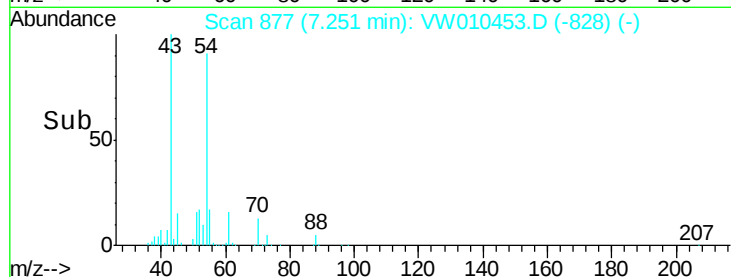
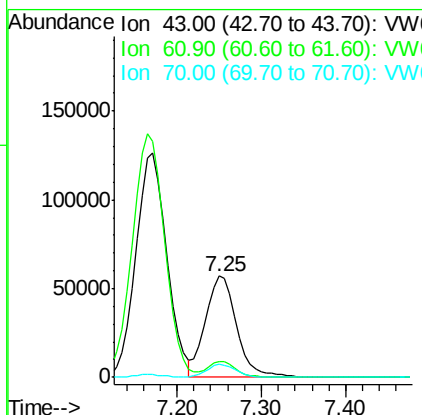
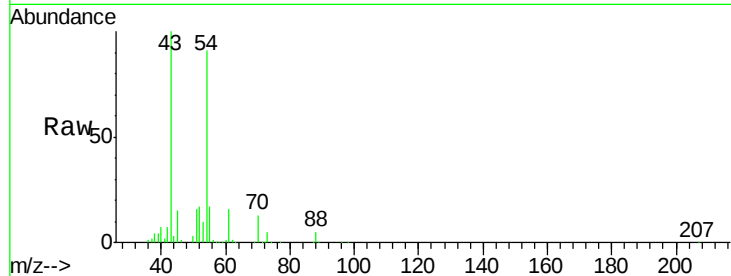
#37
Ethyl Acetate
Concen: 142.110 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	12.5	9.9	14.9

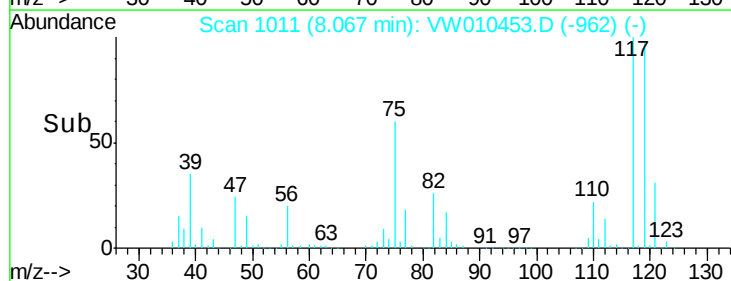
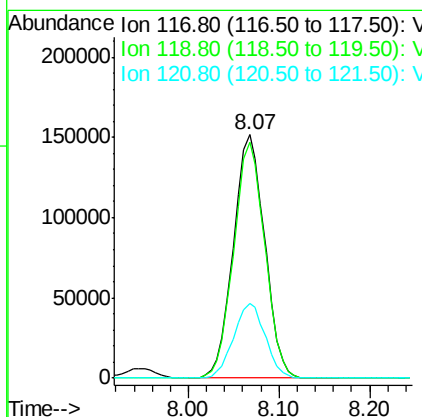
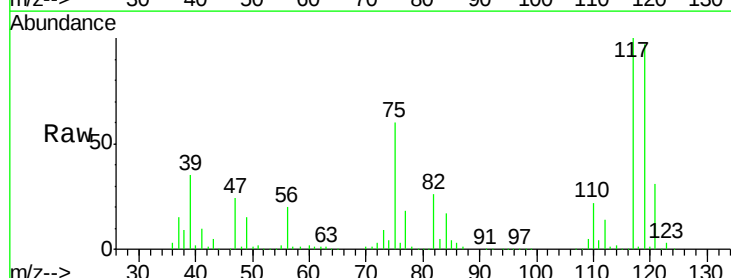
Manual Integrations
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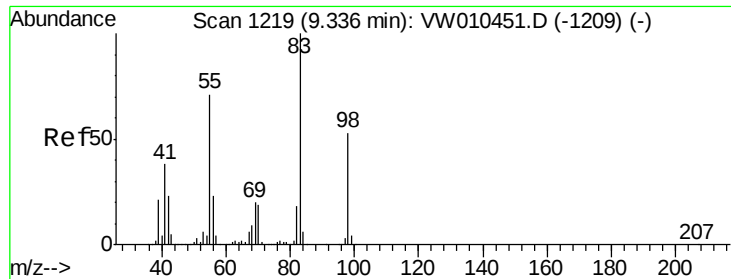
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#38
Carbon Tetrachloride
Concen: 153.660 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	30.8	25.0	37.6





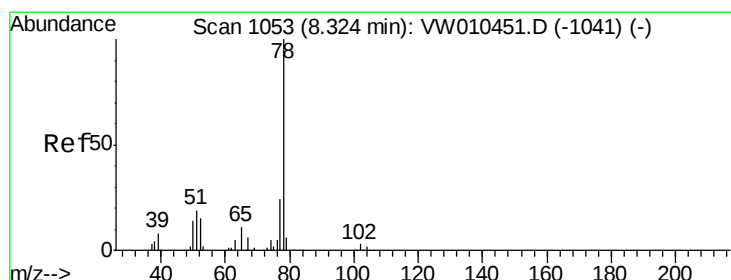
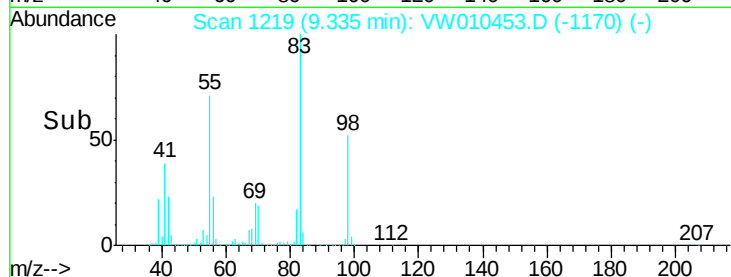
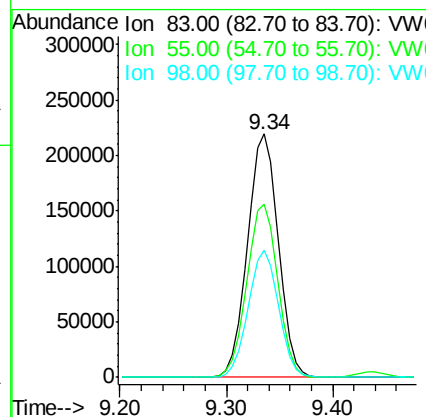
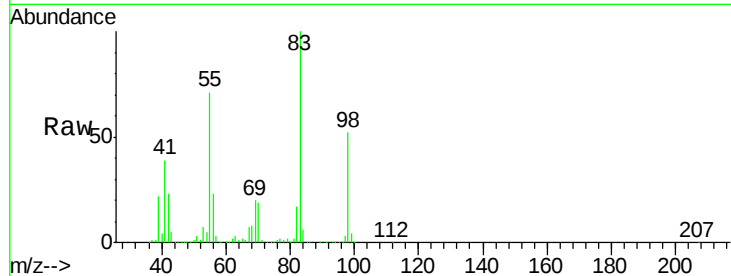
#39
Methvlcvclohexane
Concen: 152.420 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.0	85.6
98	52.3	42.0	63.0

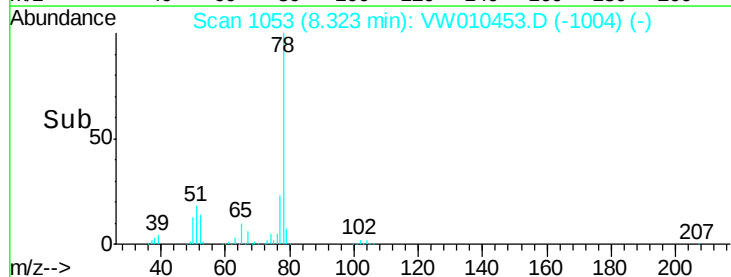
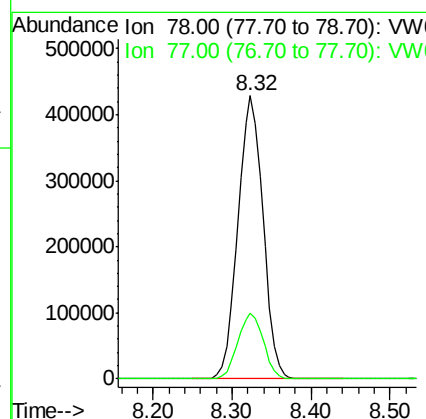
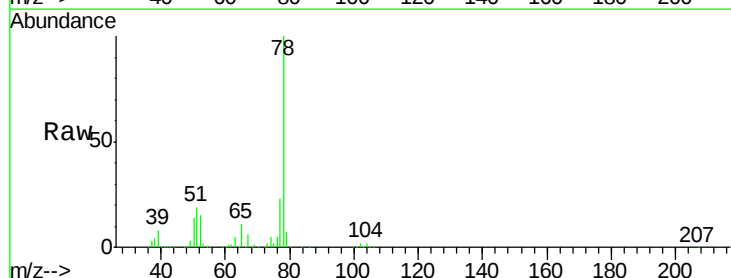
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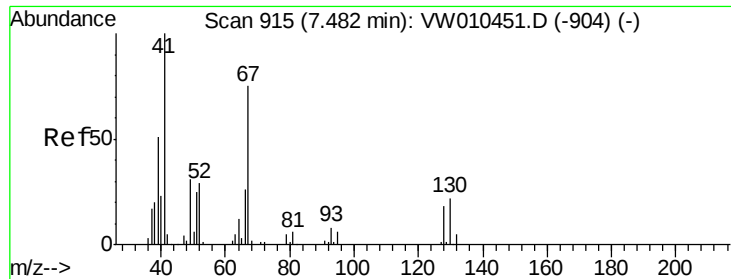
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#40
Benzene
Concen: 151.557 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





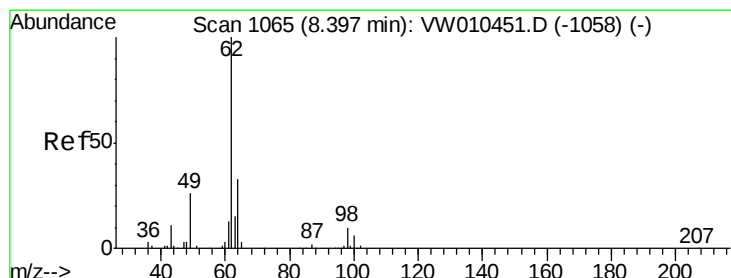
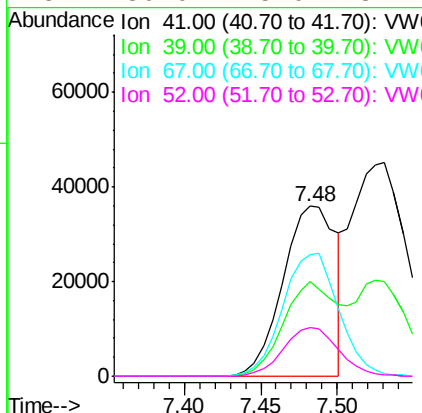
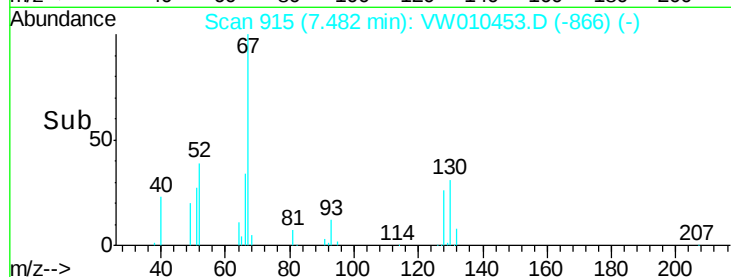
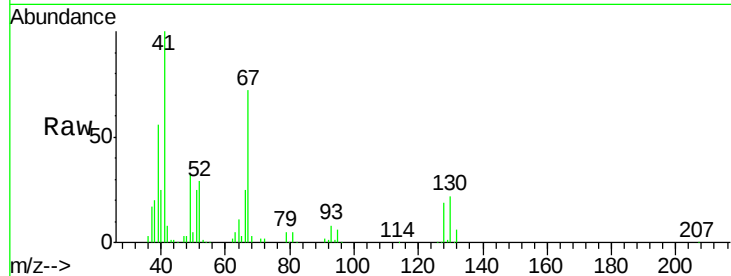
#41
Methacrylonitrile
Concen: 144.892 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	86466
Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.4	71.2
67	76.5	65.5	98.3
52	30.0	25.0	37.4

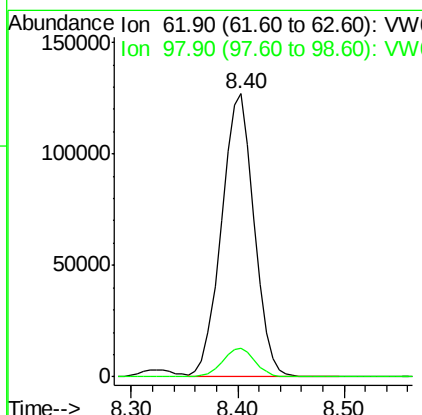
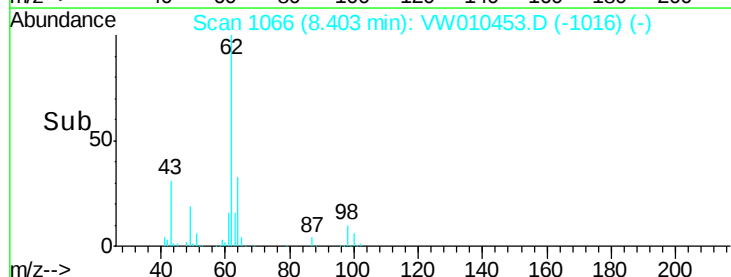
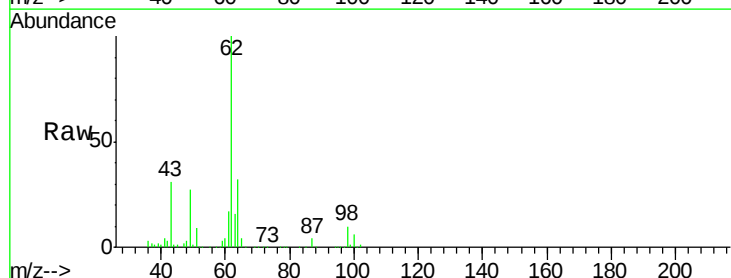
Manual Integrations
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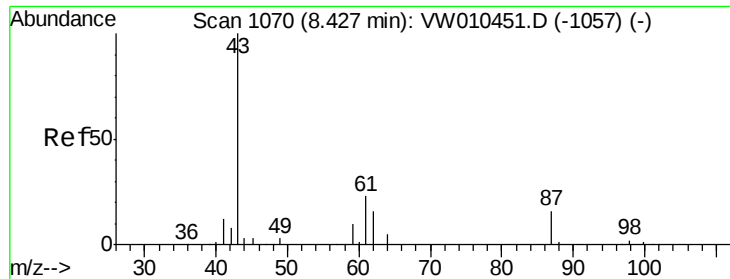
MMDadoda
5/21/2019 11:28:53 AM



#42
1,2-Dichloroethane
Concen: 147.599 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:	62	Resp:	271233
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 142.403 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

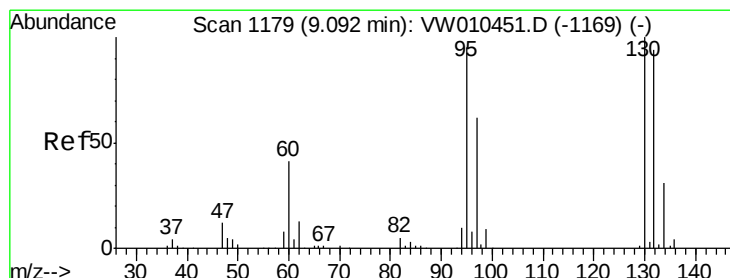
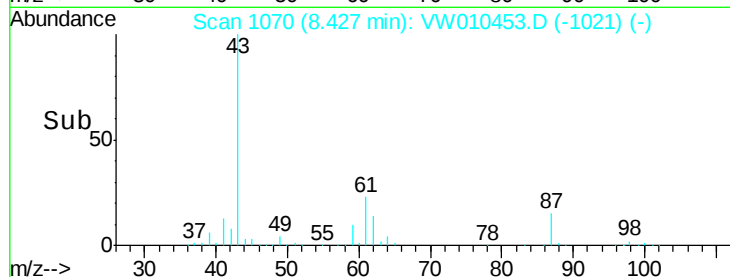
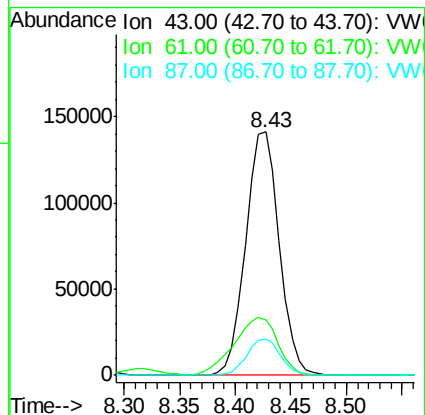
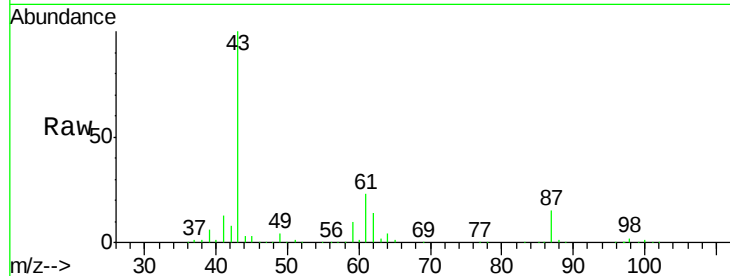
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	295286
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.4	38.2
87	15.2	12.7	19.1

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#44

Trichloroethene

Concen: 157.385 ug/l

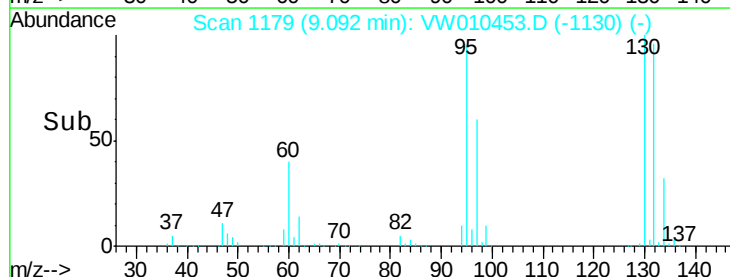
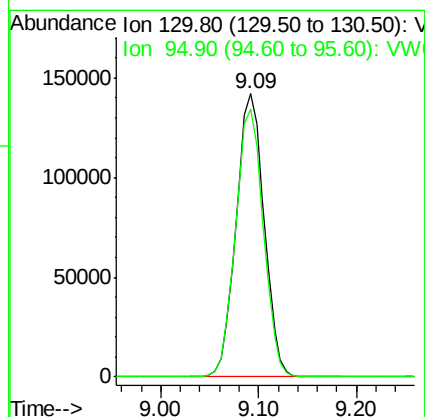
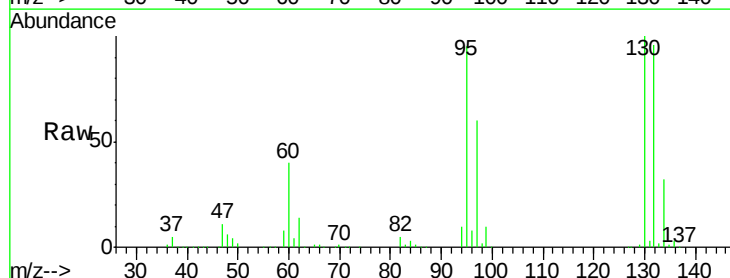
RT: 9.09 min Scan# 1179

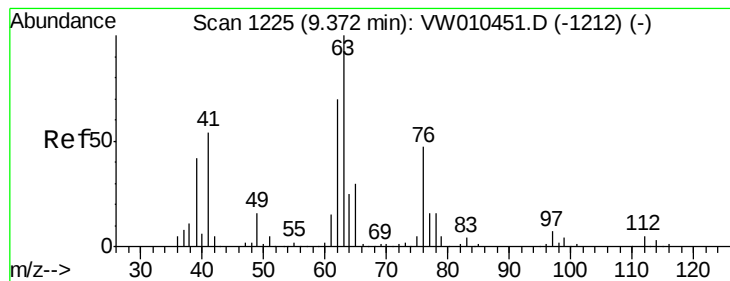
Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion:	130	Resp:	282165
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	189.6





#45

1,2-Dichloropropane

Concen: 150.835 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 228242

Ion Ratio Lower Upper

63 100

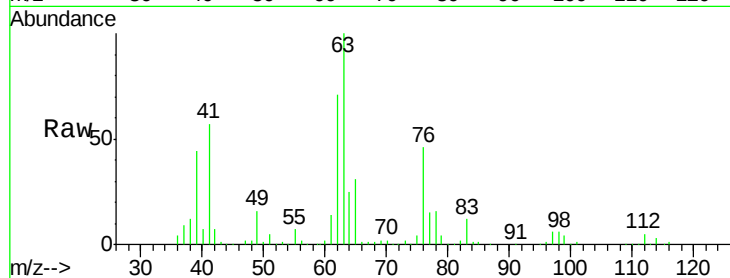
65 31.3 24.3 36.5

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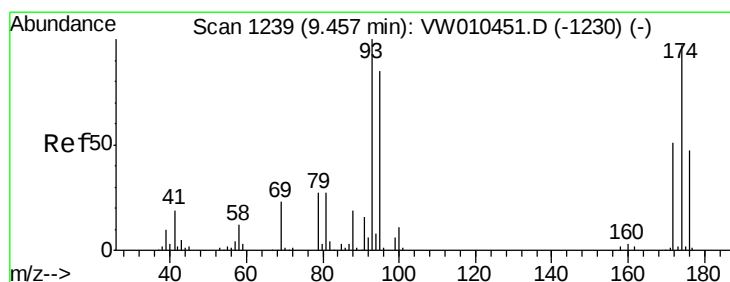
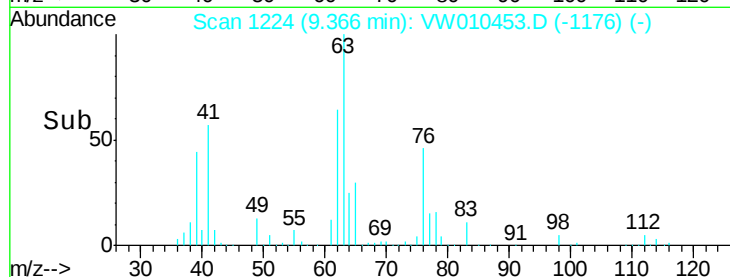
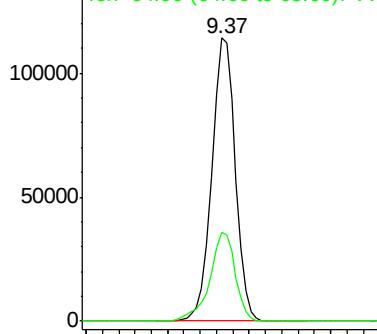
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 148.052 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

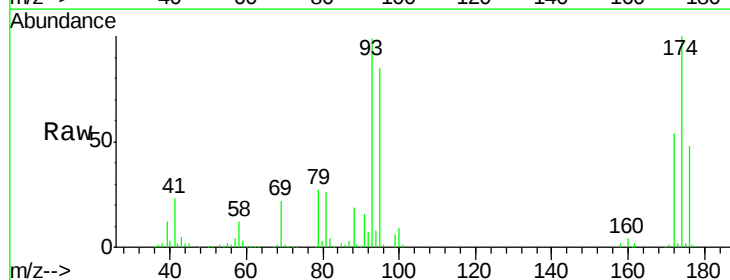
Tgt Ion: 93 Resp: 131829

Ion Ratio Lower Upper

93 100

95 83.9 66.1 99.1

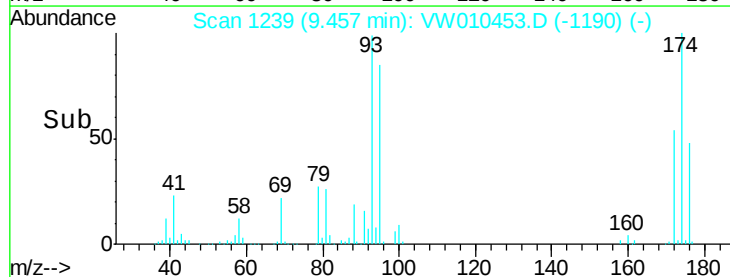
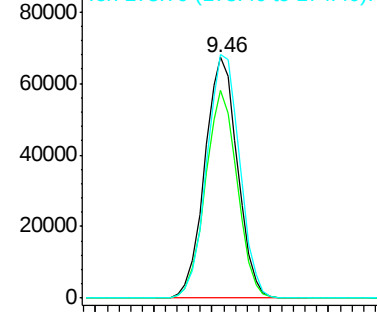
174 102.1 77.1 115.7

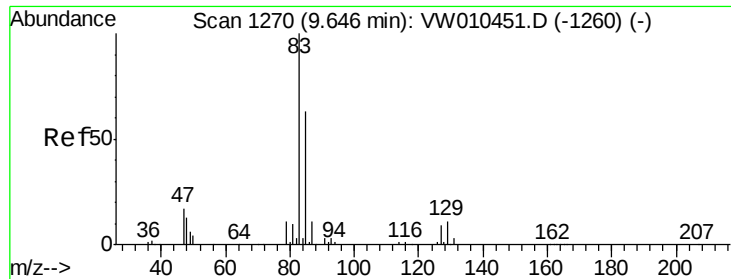


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





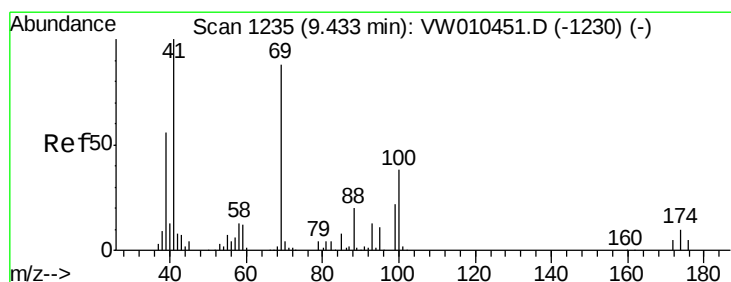
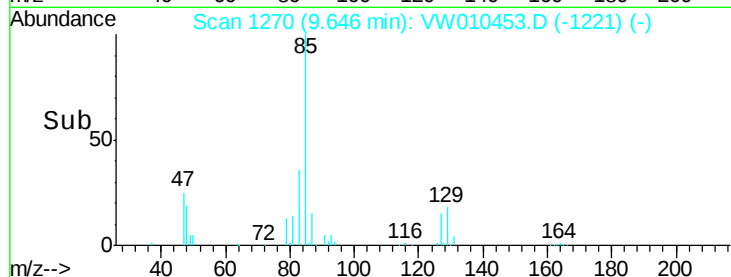
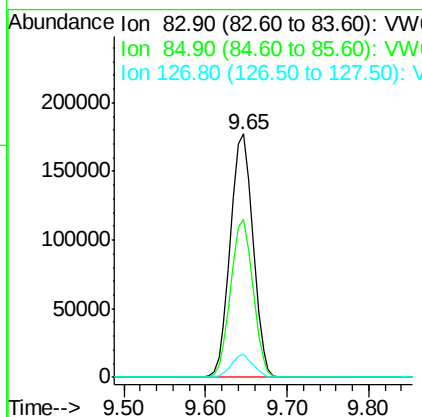
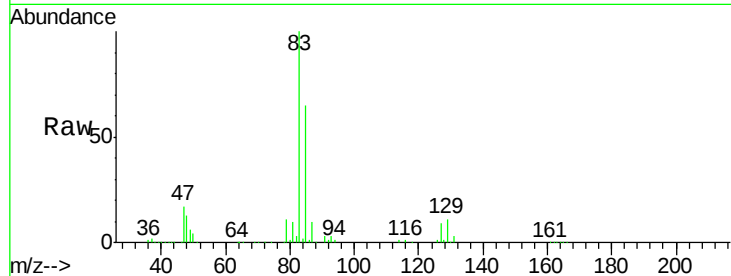
#47
Bromodichloromethane
Concen: 152.037 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	337965		
85	65.0		50.4	75.6
127	9.4		7.4	11.0

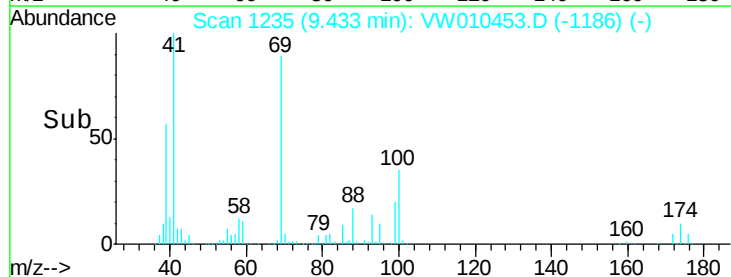
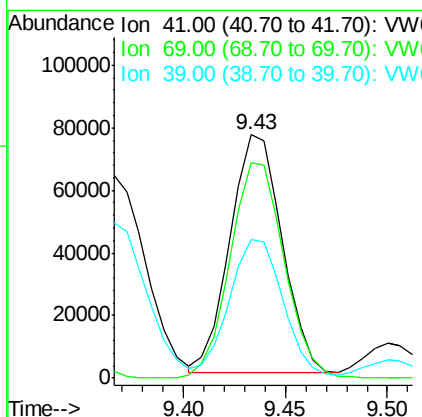
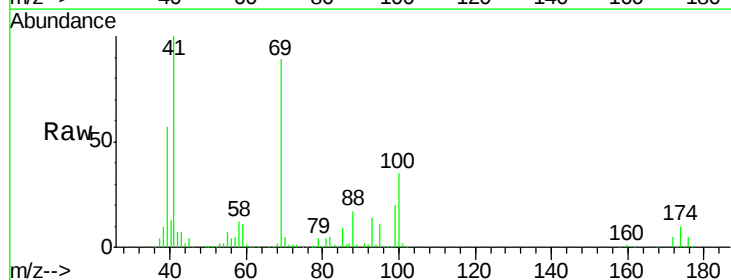
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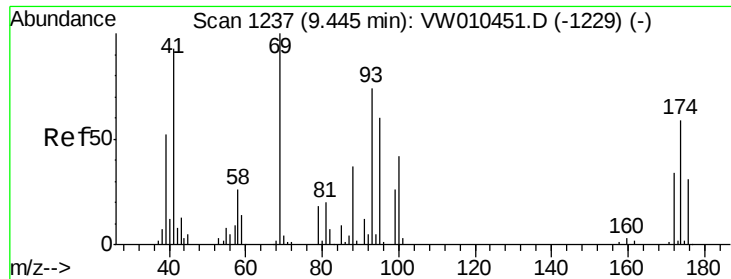
MMDadoda
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#48
Methyl methacrylate
Concen: 140.374 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	134544		
69	94.3		77.6	116.4
39	58.3		49.8	74.8





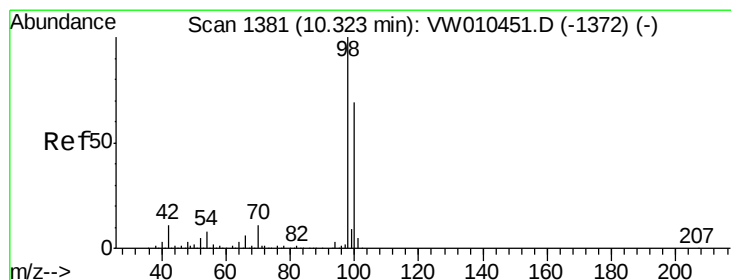
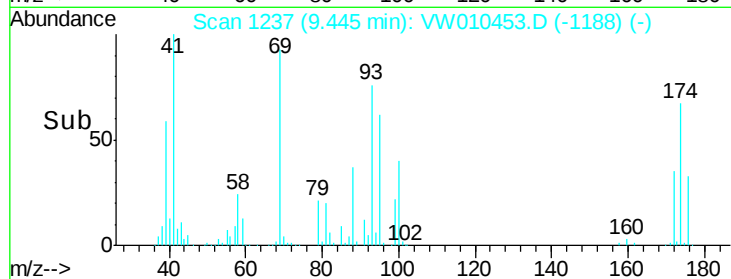
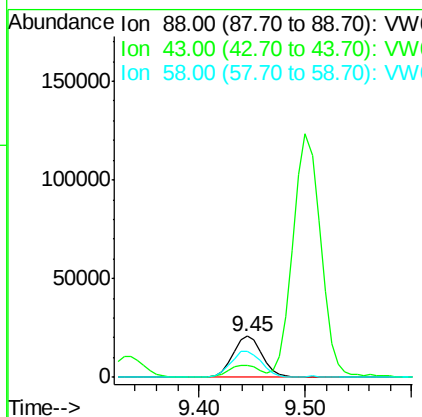
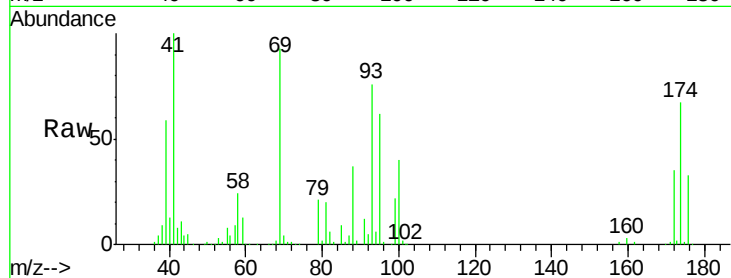
#49
 1,4-Dioxane
 Concen: 3073.940 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	88	Resp	40515
Ion	Ratio	Lower	Upper
88	100		
43	30.6	25.9	38.9
58	67.0	52.7	79.1

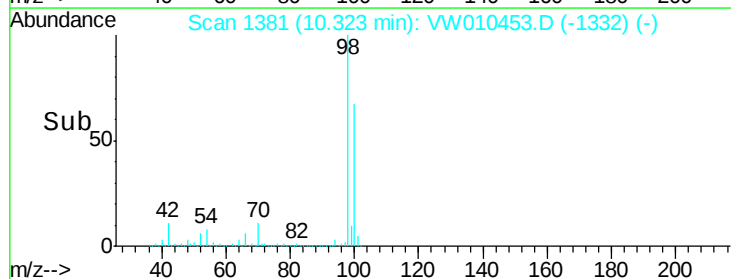
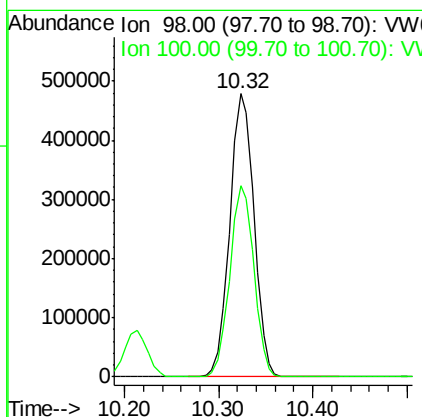
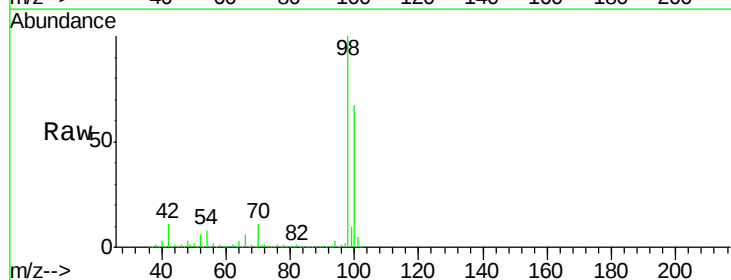
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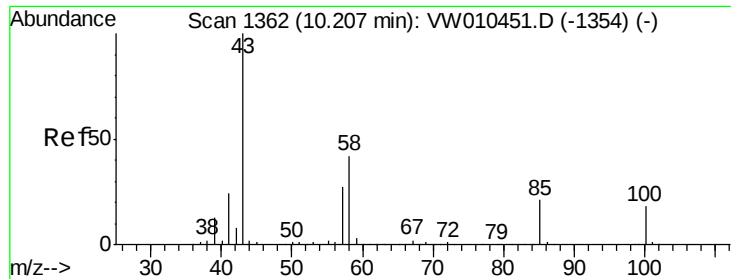
MMDadoda
 5/21/2019 11:28:53 AM



#50
 Toluene-d8
 Concen: 152.931 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	98	Resp	853254
Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 694.392 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 737552

Ion Ratio Lower Upper

43 100

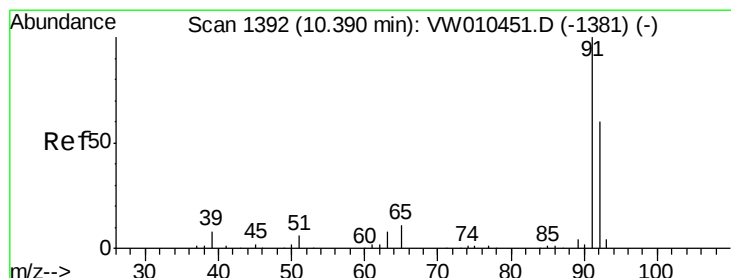
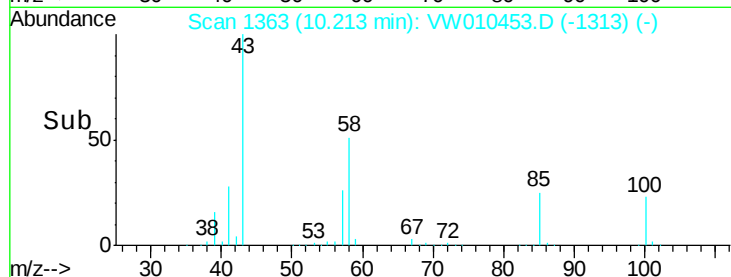
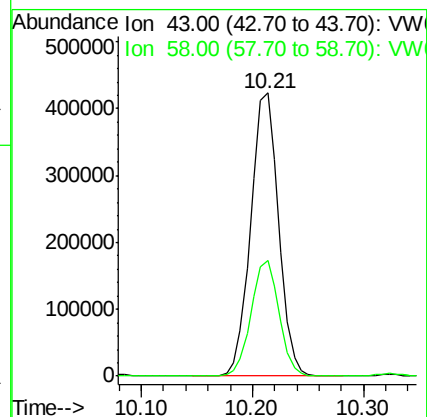
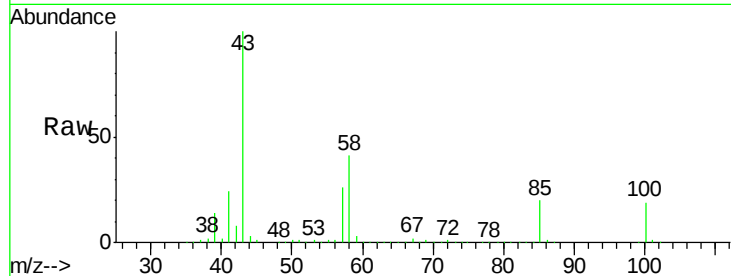
58 41.1 33.2 49.8

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#52

Toluene

Concen: 154.697 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010453.D

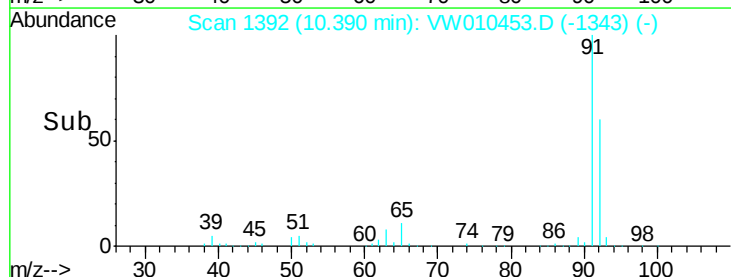
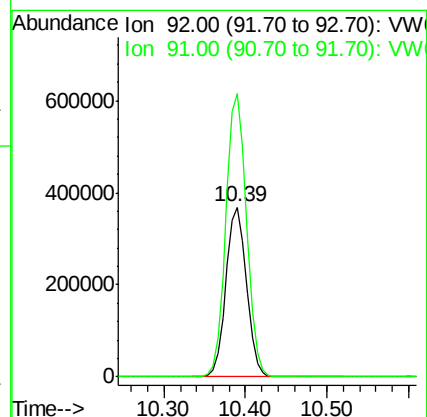
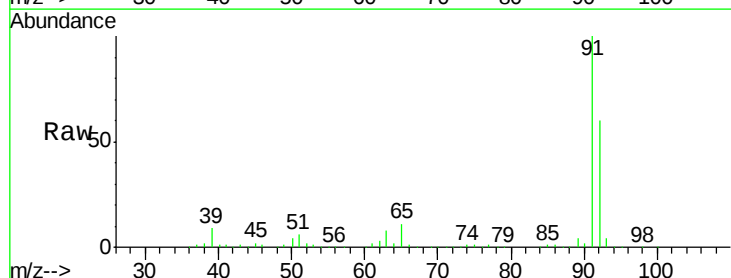
Acq: 20 May 2019 17:20

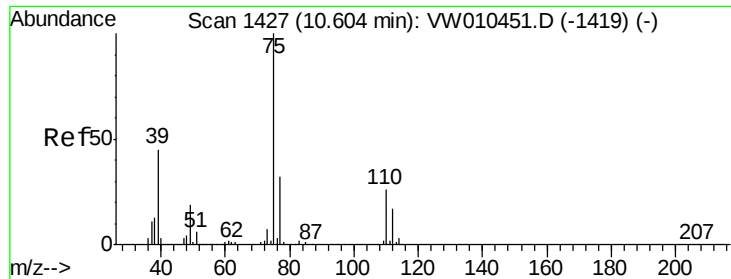
Tgt Ion: 92 Resp: 640497

Ion Ratio Lower Upper

92 100

91 168.2 135.4 203.0





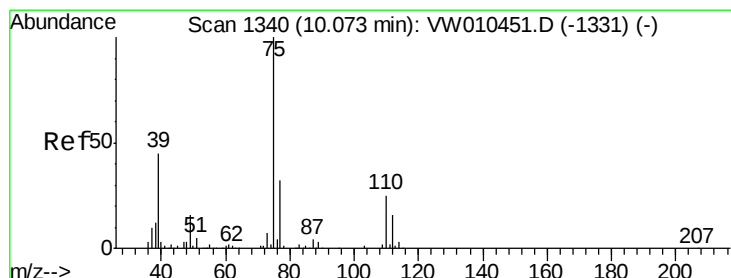
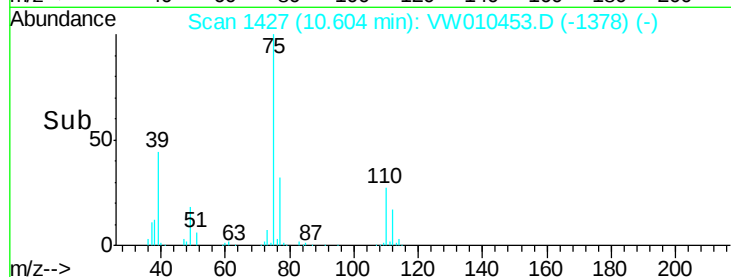
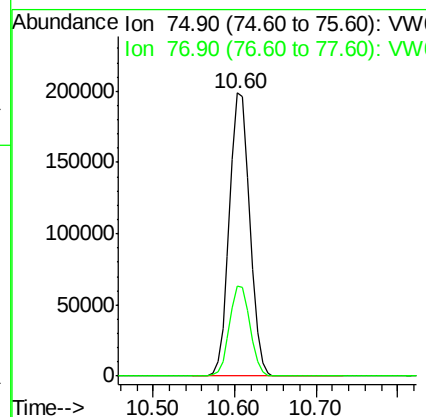
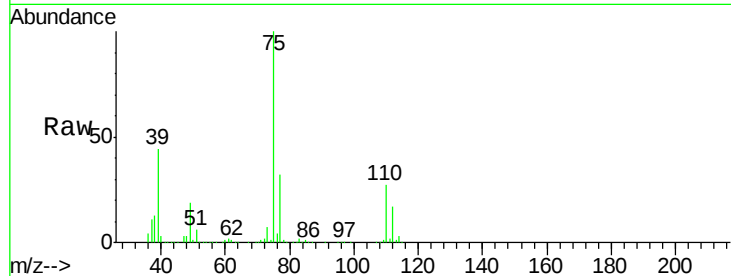
#53
 t-1,3-Dichloropropene
 Concen: 150.105 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 342790
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0

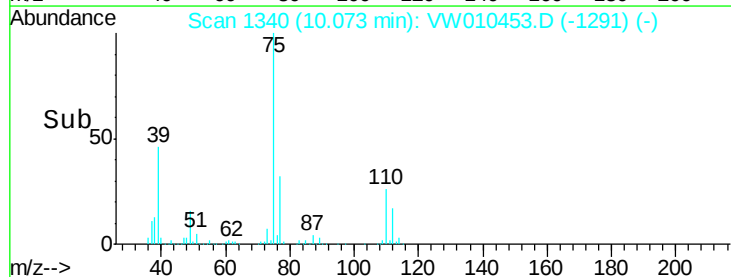
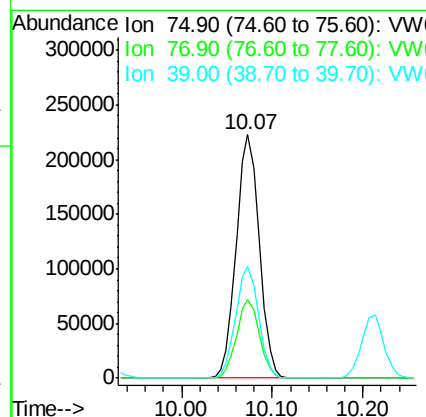
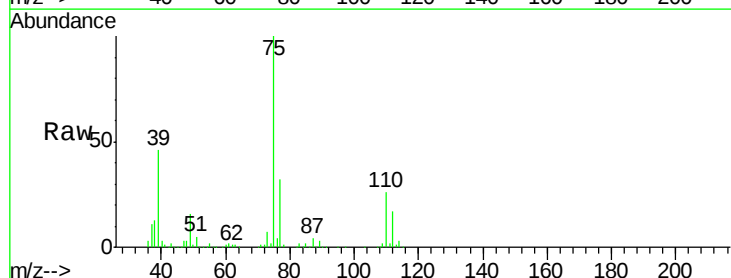
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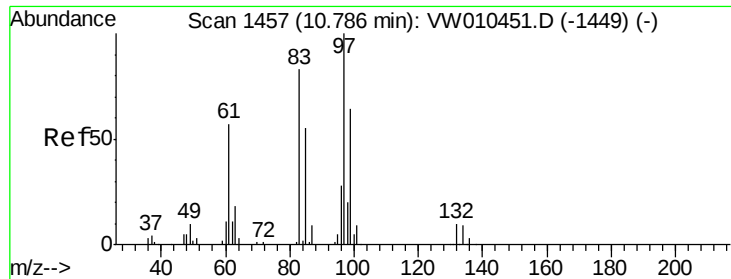
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#54
 cis-1,3-Dichloropropene
 Concen: 151.174 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 75 Resp: 392560
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5
 39 45.6 36.2 54.4





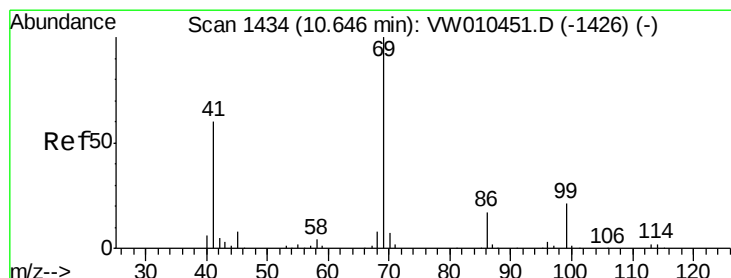
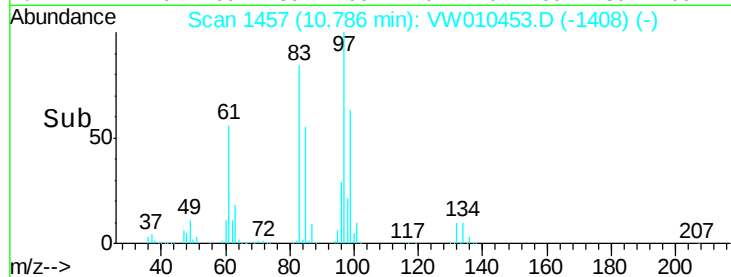
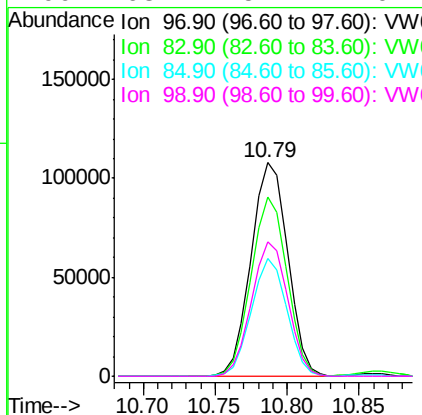
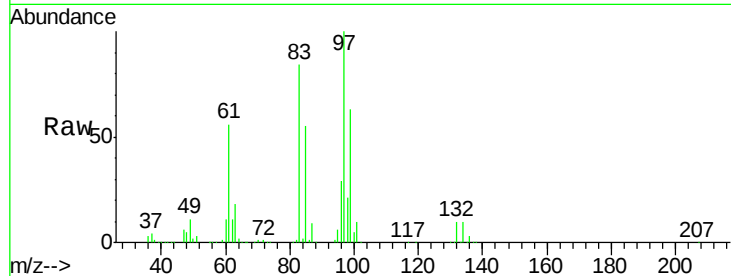
#55
 1,1,2-Trichloroethane
 Concen: 148.773 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	191083
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.1	99.1
85	55.0	44.2	66.4
99	63.2	51.1	76.7

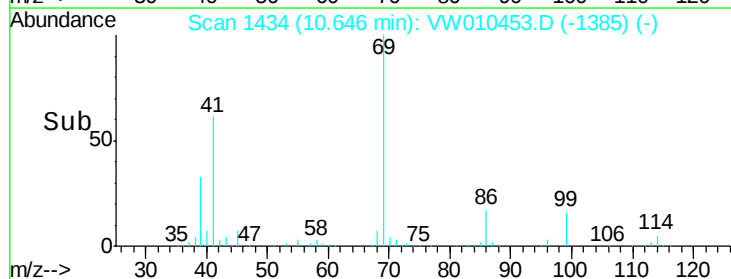
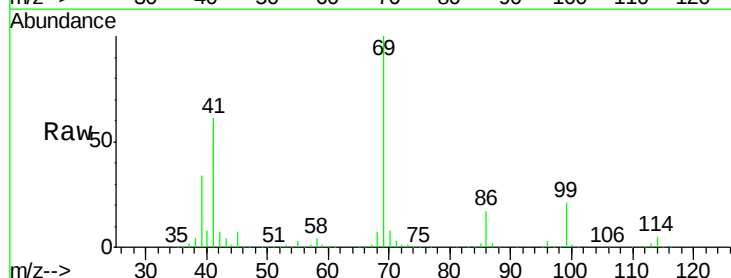
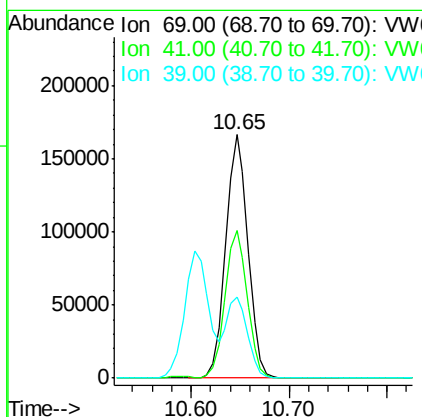
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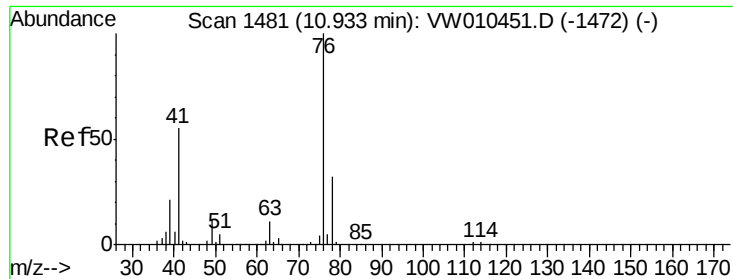
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#56
 Ethyl methacrylate
 Concen: 145.684 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	69	Resp	261295
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.7	71.5
39	32.2	25.3	37.9





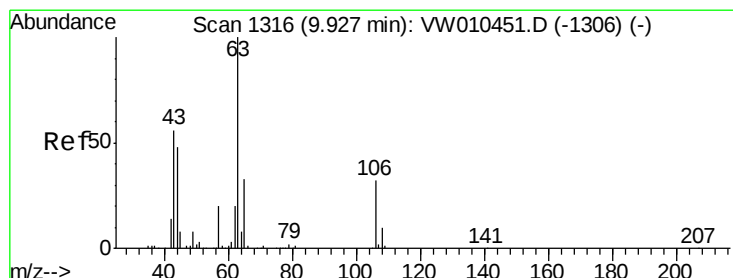
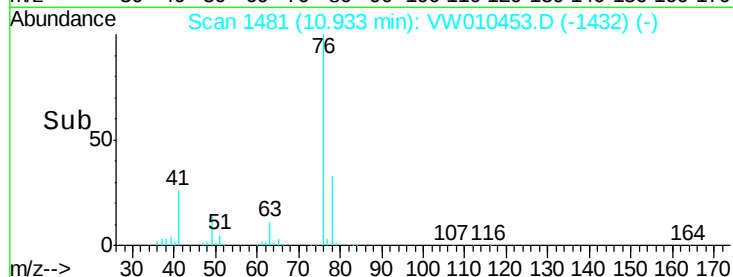
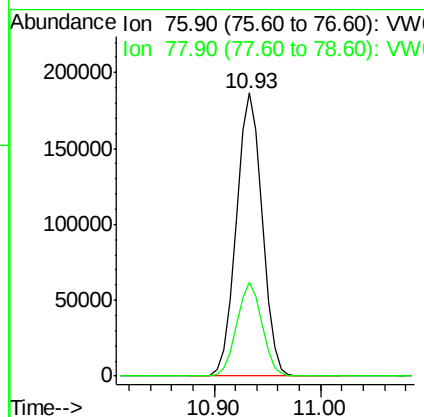
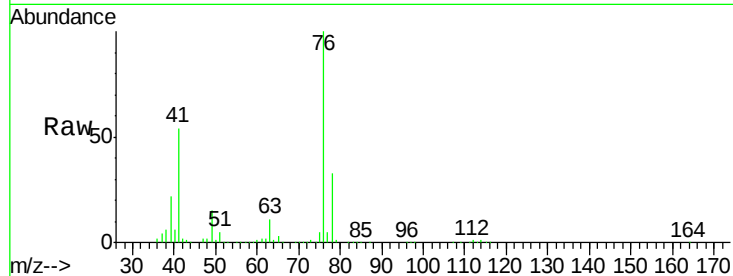
#57
 1,3-Dichloropropane
 Concen: 147.379 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 317733
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2

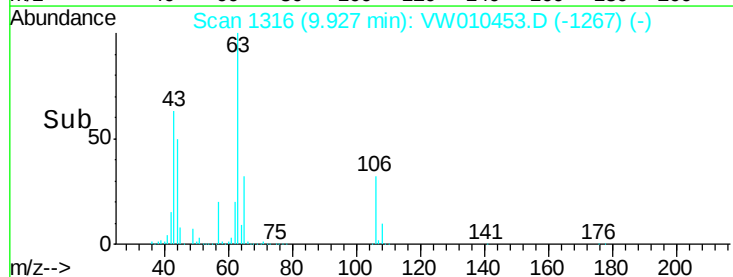
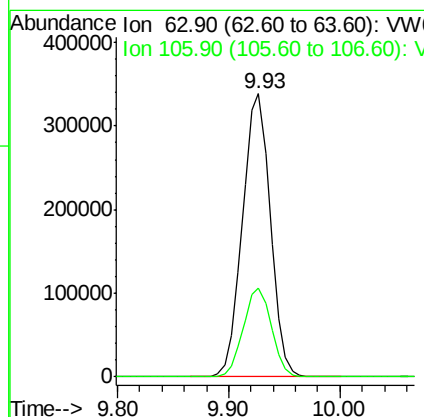
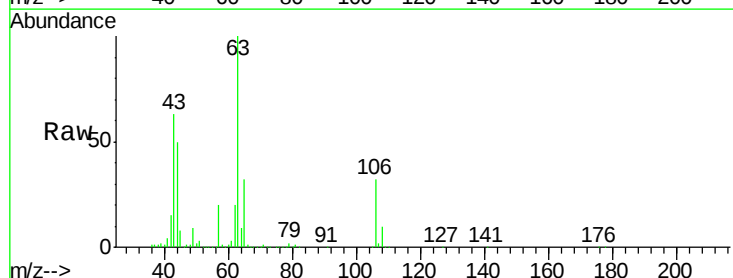
Manual Integrations
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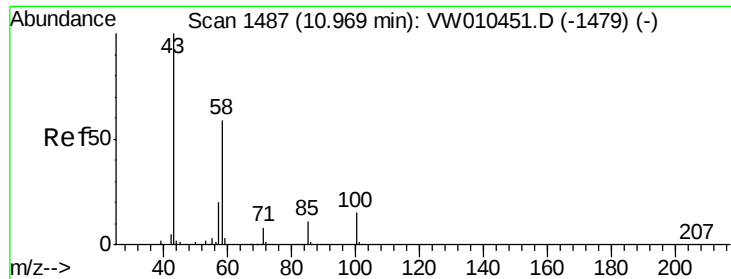
MMDadoda
 5/21/2019 11:28:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 705.890 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion: 63 Resp: 589603
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.8 38.6





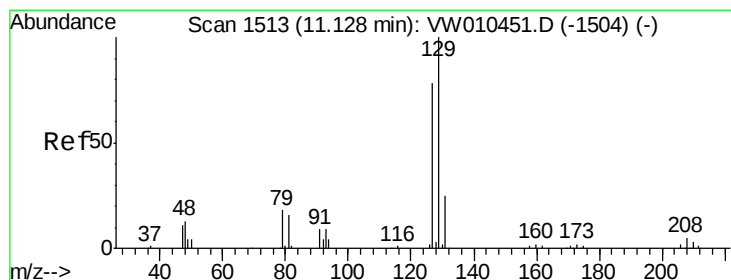
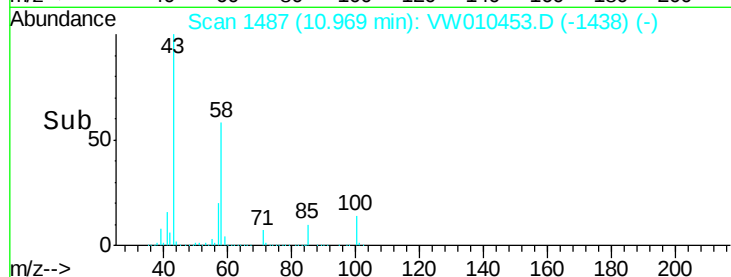
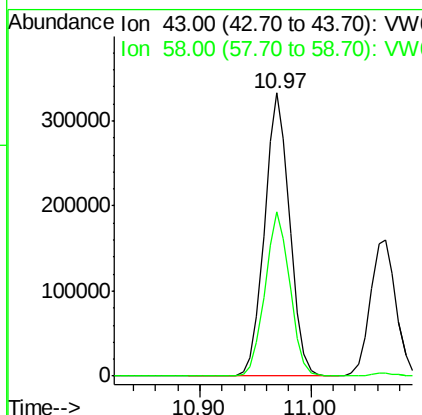
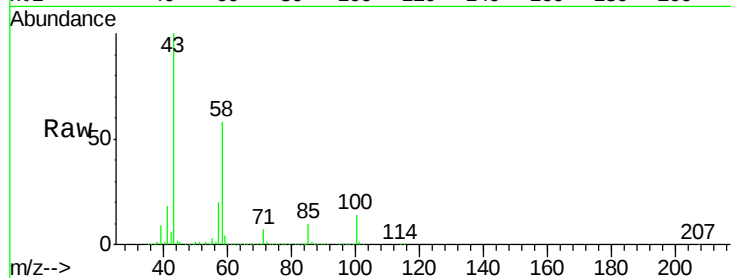
#59
2-Hexanone
Concen: 705.655 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 523541
Ion Ratio Lower Upper
43 100
58 57.5 28.9 86.8

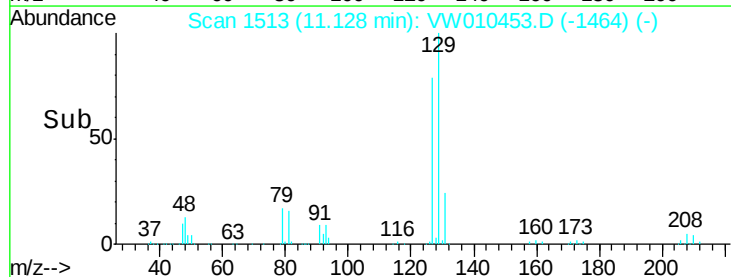
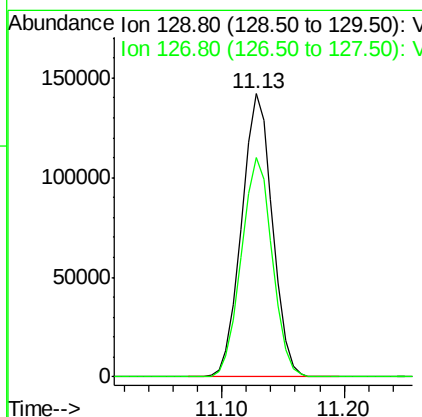
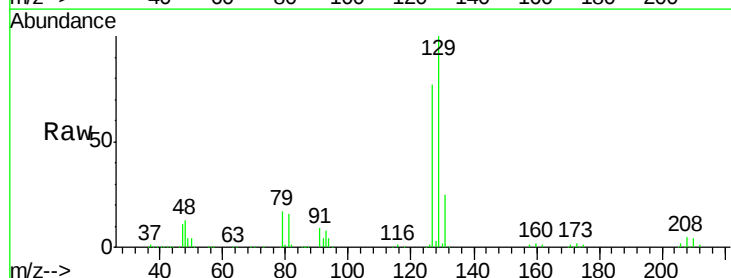
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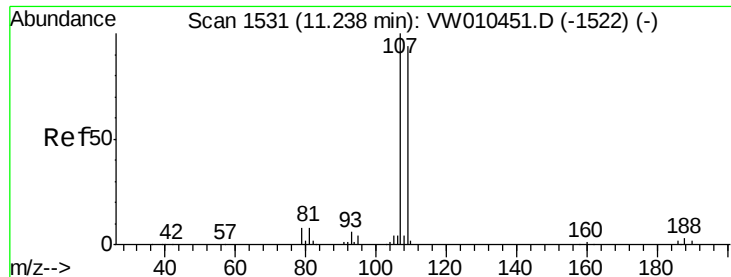
MMDadoda
5/21/2019 11:28:53 AM



#60
Dibromochloromethane
Concen: 155.123 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 129 Resp: 247880
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





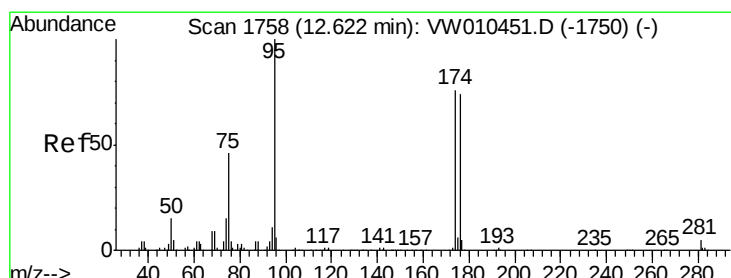
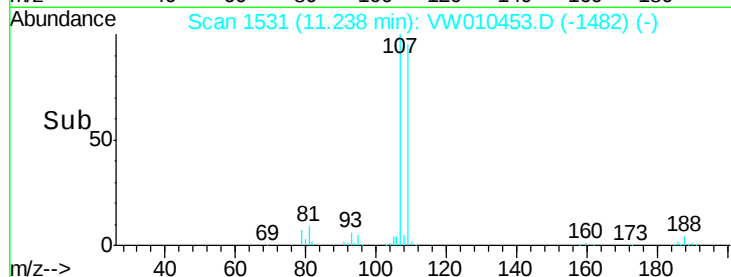
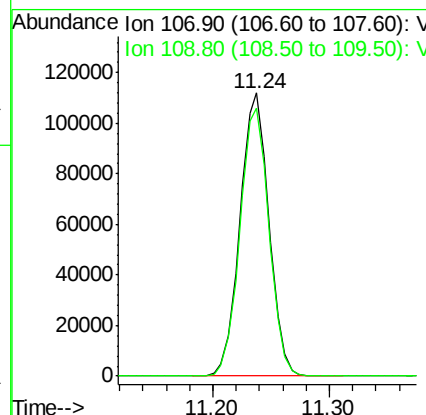
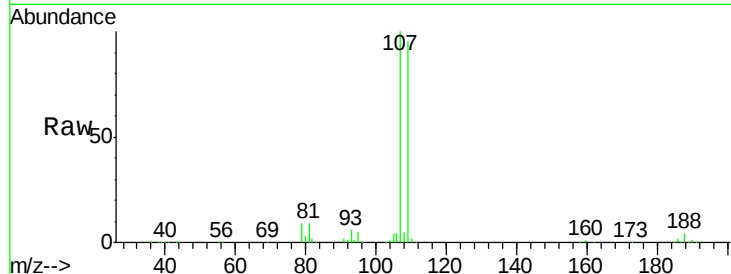
#61
 1,2-Dibromoethane
 Concen: 148.495 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	193687		
109	95.2	75.0	112.4	

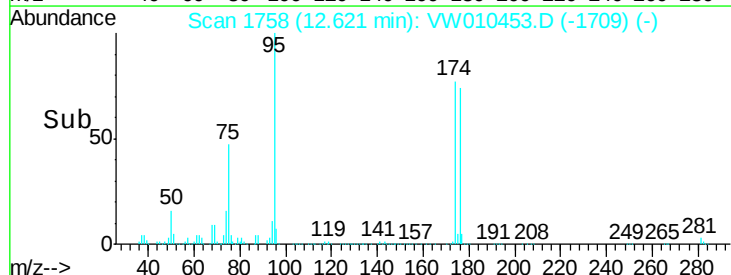
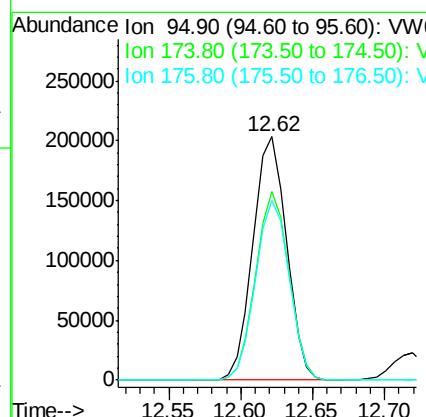
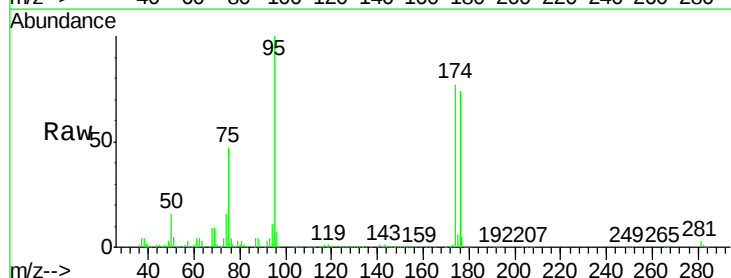
Manual Integrations
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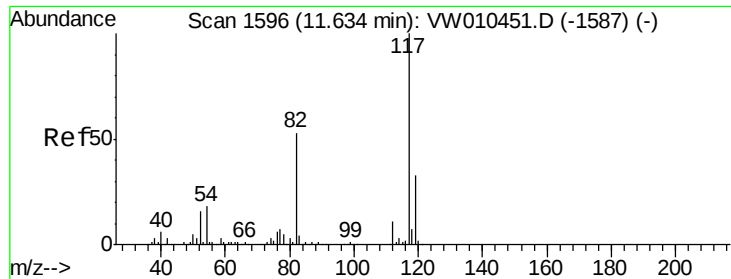
MMDadoda
 5/21/2019 11:28:53 AM



#62
 4-Bromofluorobenzene
 Concen: 149.842 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	328390		
174	76.8	0.0	148.6	
176	74.1	0.0	144.2	





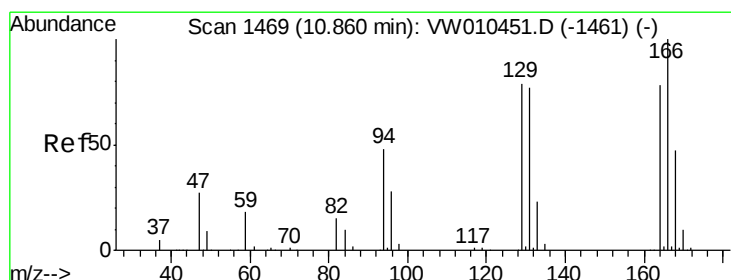
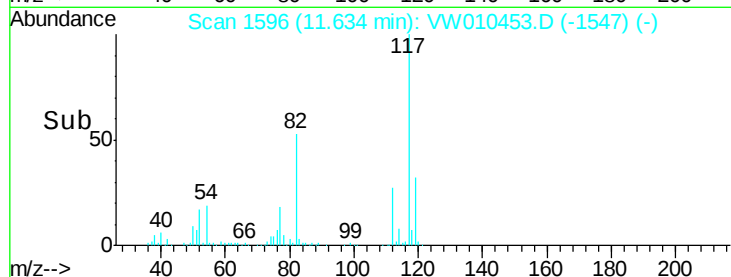
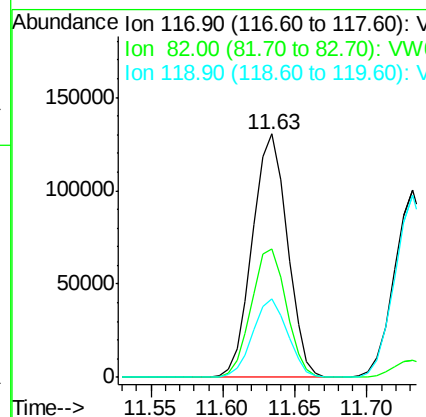
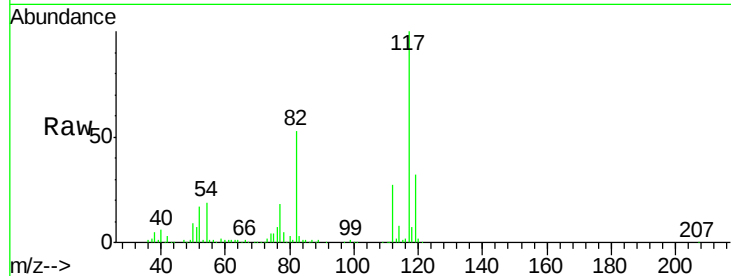
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219187		
82	52.6		42.8	64.2
119	32.2		26.3	39.5

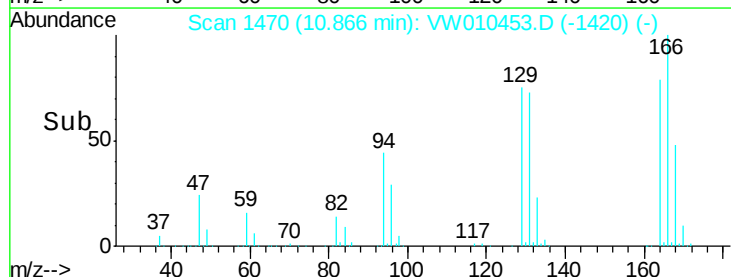
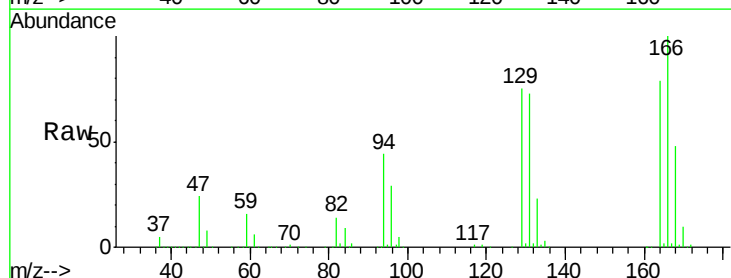
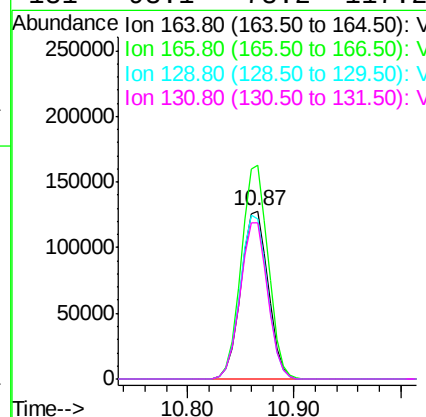
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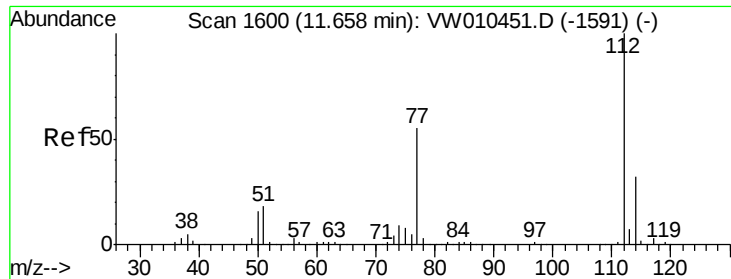
MMDadoda
5/21/2019 11:28:53 AM



#64
Tetrachloroethene
Concen: 156.716 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229667		
166	127.3		101.9	152.9
129	95.7		80.6	121.0
131	93.1		78.2	117.2





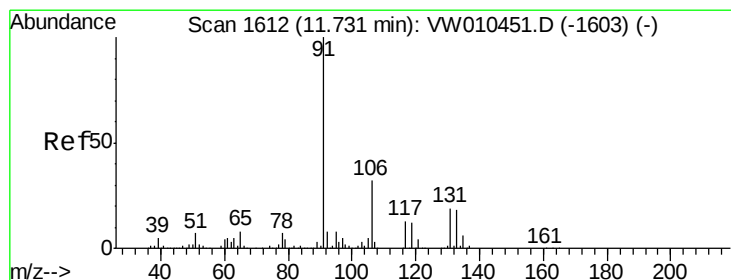
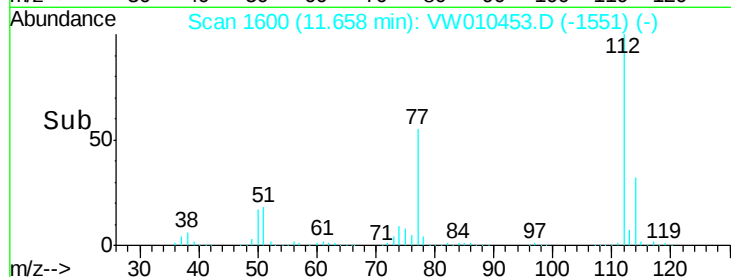
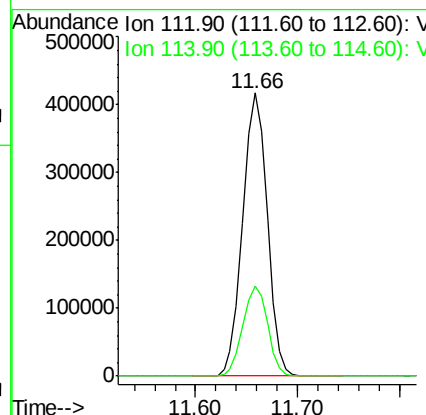
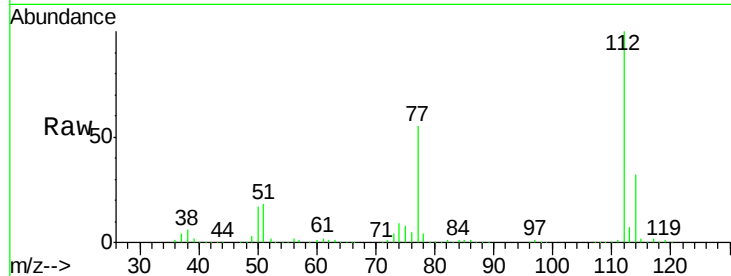
#65
Chlorobenzene
Concen: 154.096 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 694317
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

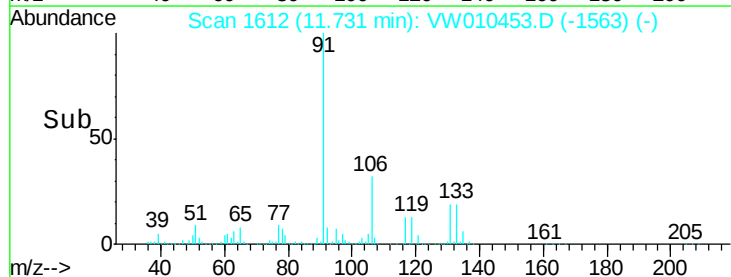
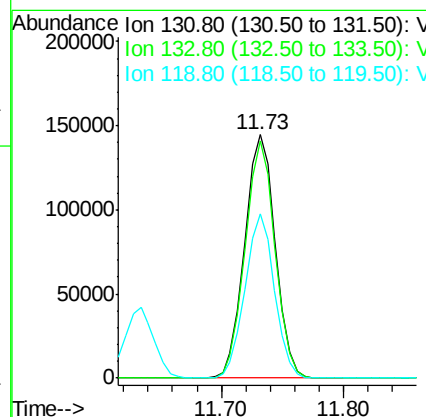
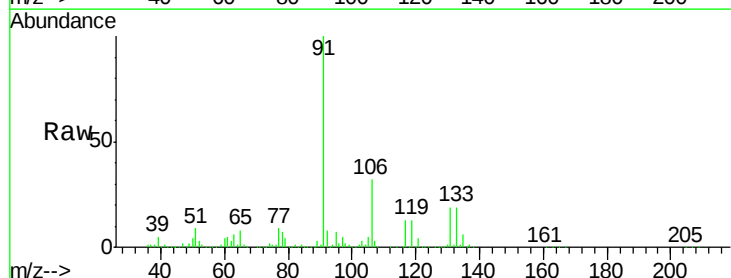
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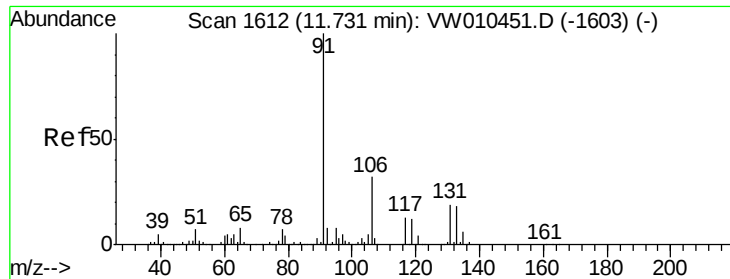
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#66
1,1,1,2-Tetrachloroethane
Concen: 150.393 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:131 Resp: 249825
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 65.2 32.1 96.5





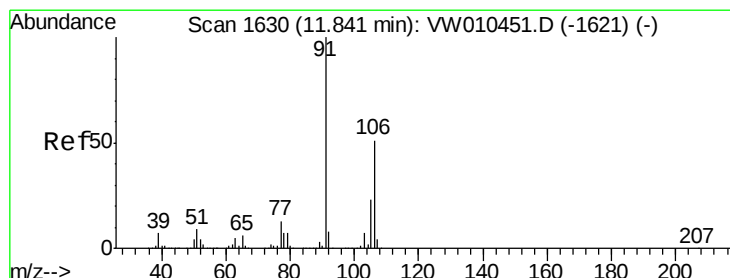
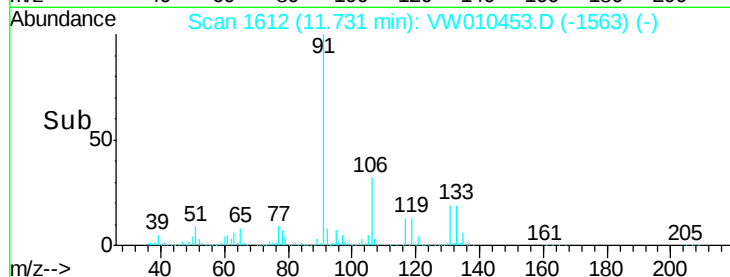
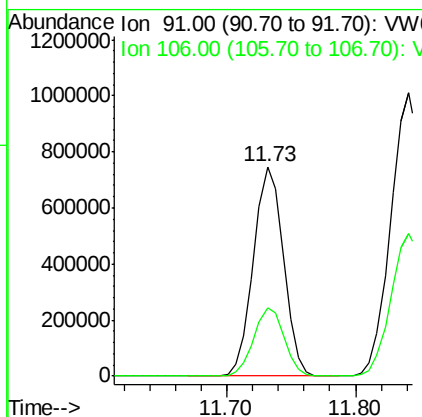
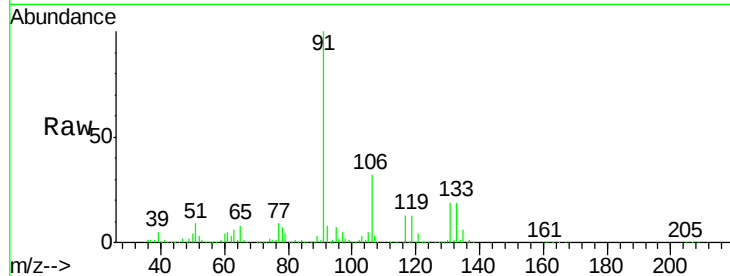
#67
Ethyl Benzene
Concen: 151.162 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1203089
Ion Ratio Lower Upper
91 100
106 32.5 25.9 38.9

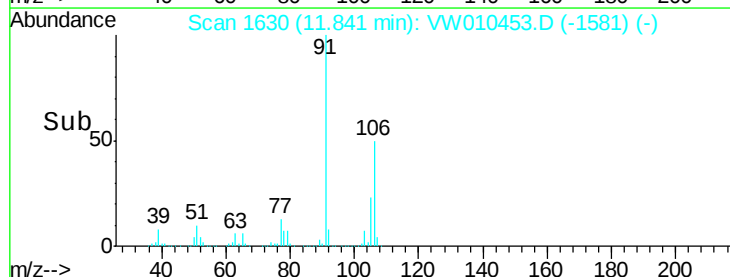
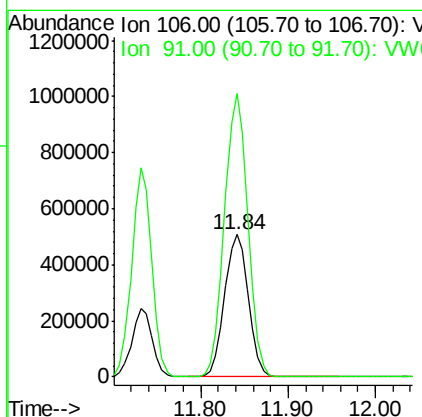
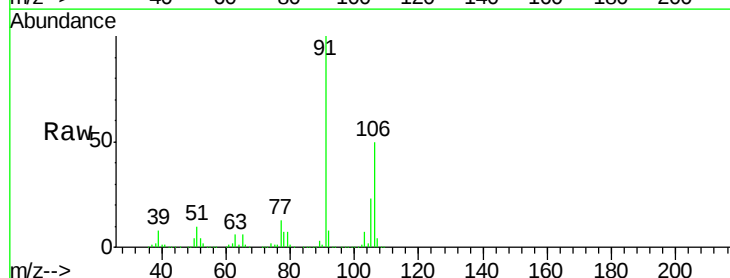
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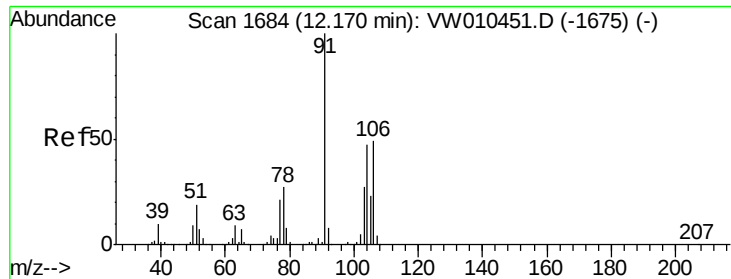
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#68
m/p-Xylenes
Concen: 305.775 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 106 Resp: 953050
Ion Ratio Lower Upper
106 100
91 196.0 156.0 234.0





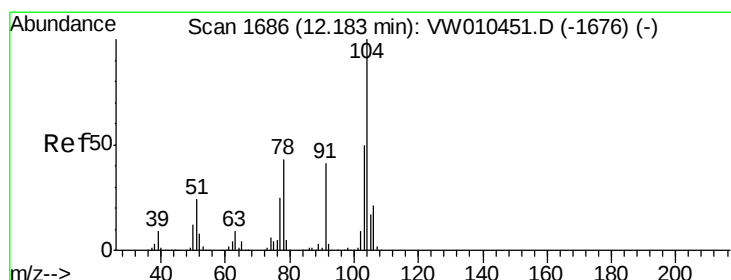
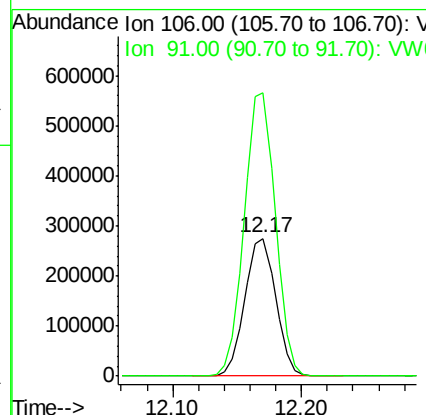
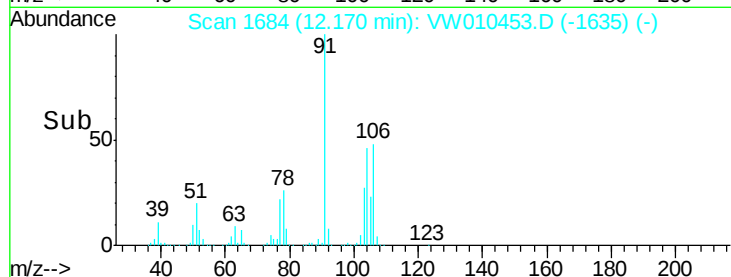
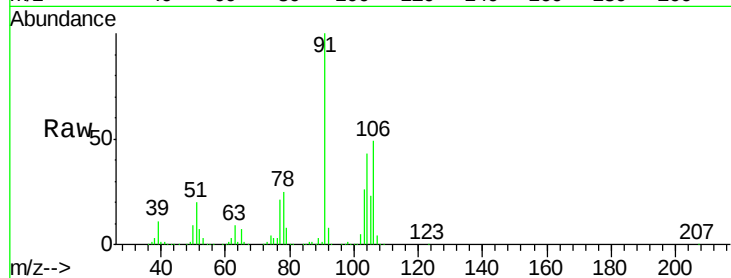
#69
o-Xylene
Concen: 153.723 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		455823		
91	207.2	103.2	309.4		

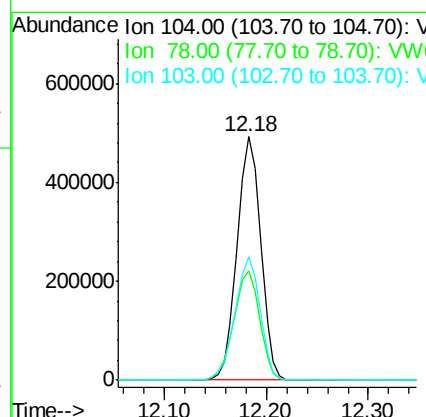
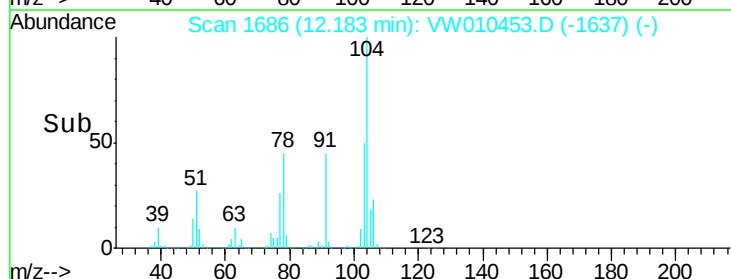
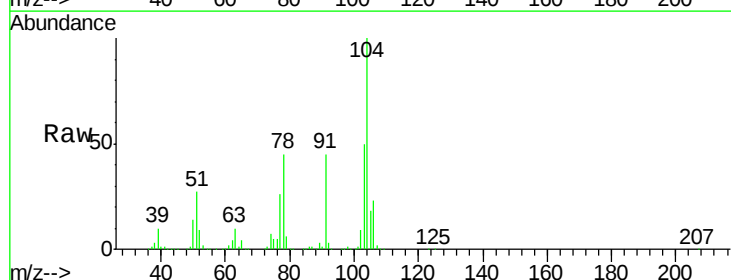
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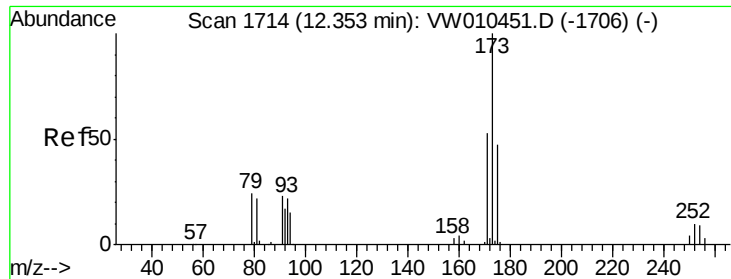
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#70
Styrene
Concen: 154.254 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		786305		
78	49.3	39.0	58.4		
103	53.8	43.0	64.6		





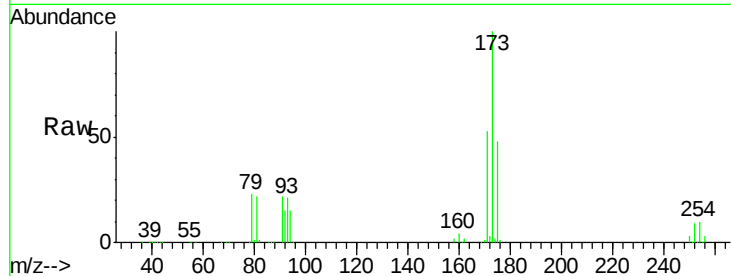
#71
Bromoform
Concen: 159.842 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

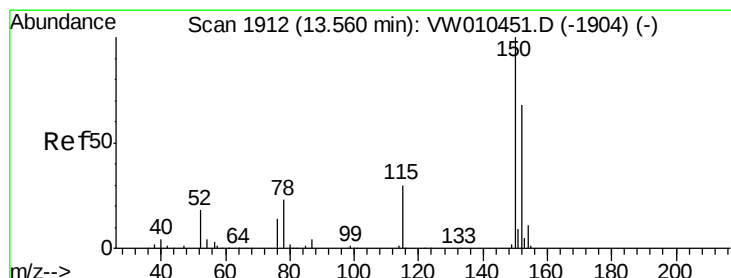
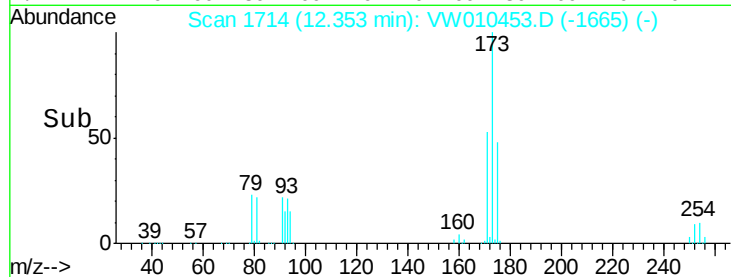
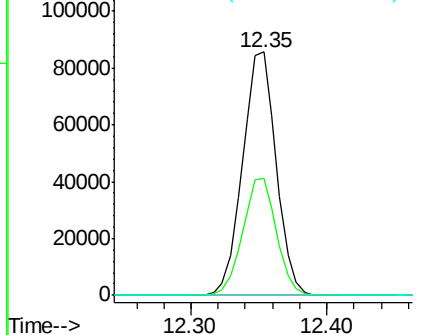
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.1	0.0	0.0#

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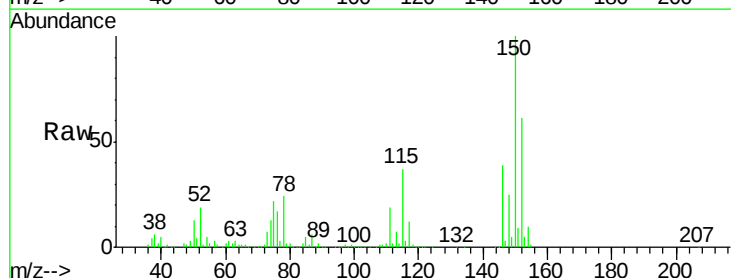


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

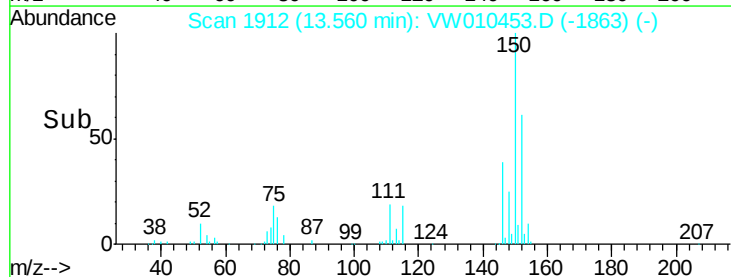
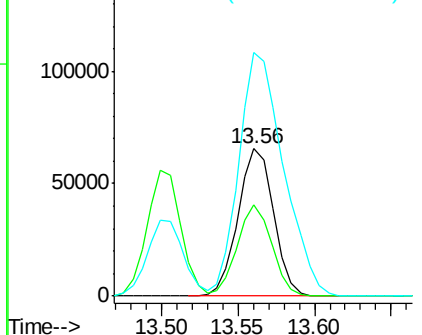


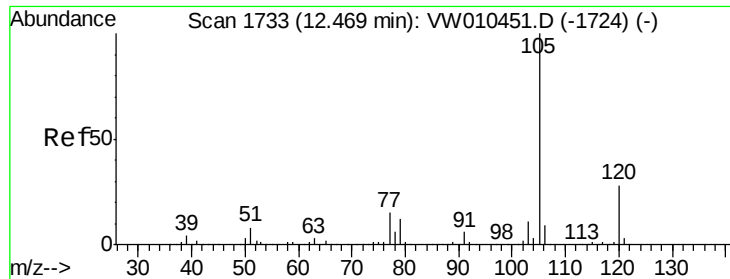
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.3	91.0
150	207.6	0.0	349.8



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





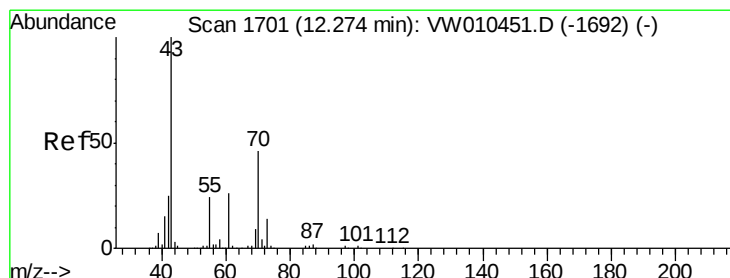
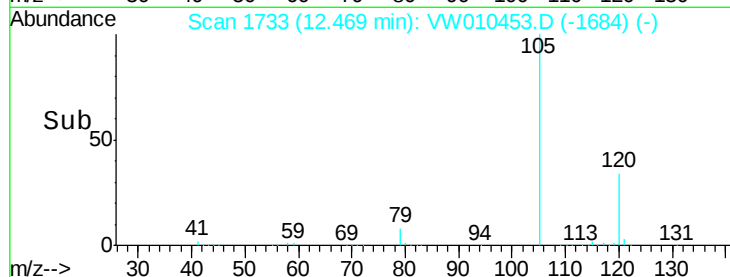
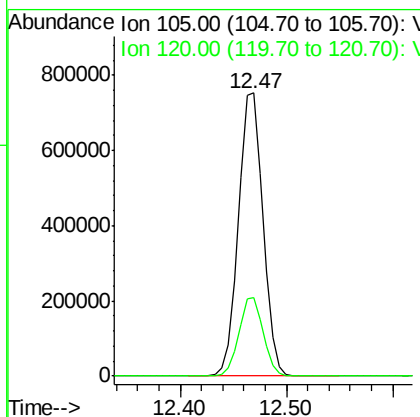
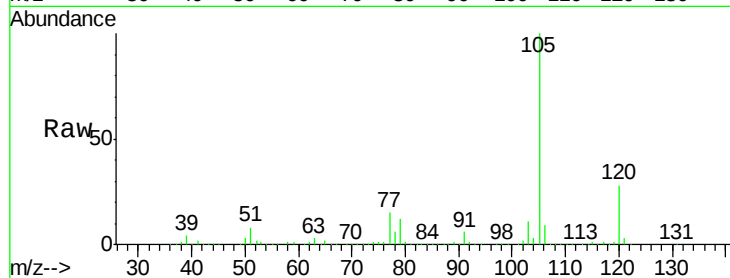
#73
Isopropylbenzene
Concen: 146.634 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1220572
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.7

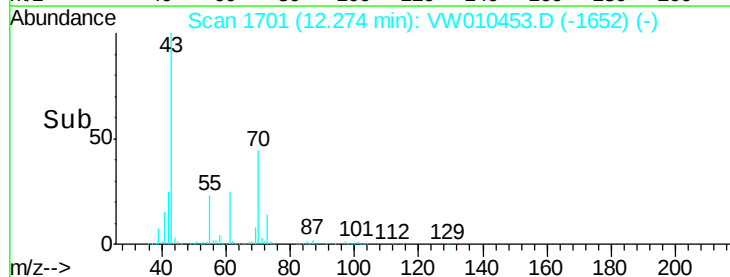
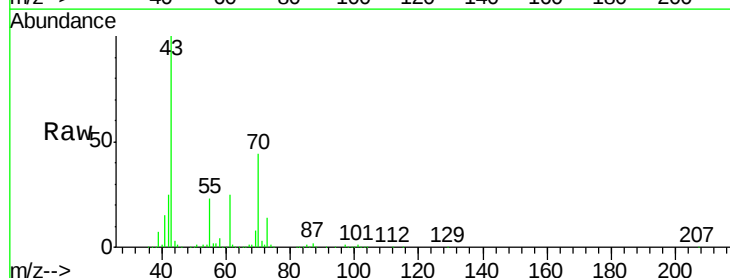
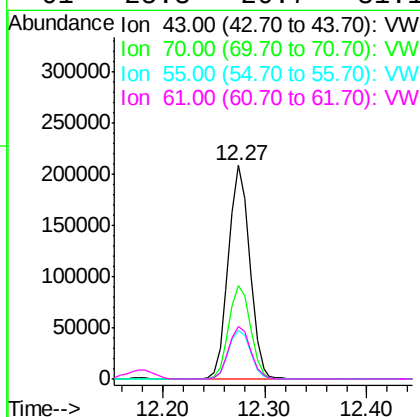
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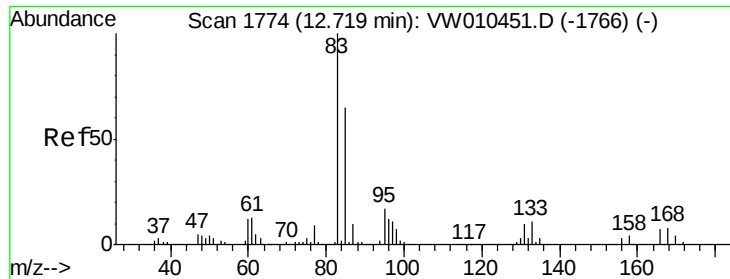
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#74
N-ethyl acetate
Concen: 144.311 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion: 43 Resp: 300777
Ion Ratio Lower Upper
43 100
70 44.8 37.1 55.7
55 23.7 19.6 29.4
61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 137.880 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 222518

Ion Ratio Lower Upper

83 100

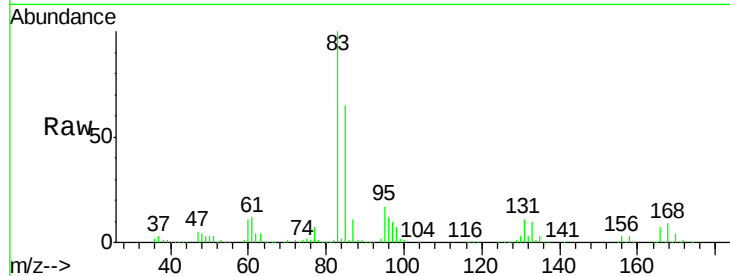
131 11.3 5.6 16.8

85 64.0 32.4 97.0

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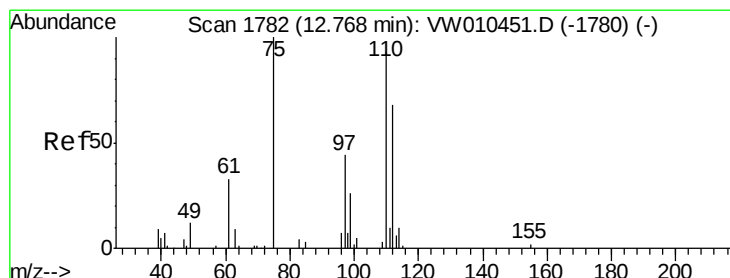
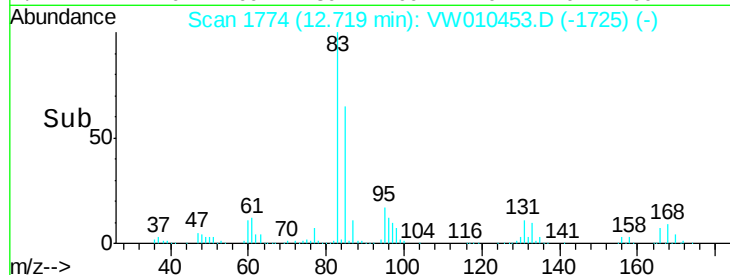
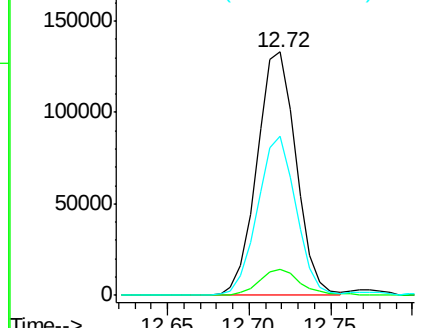
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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 140.121 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010453.D

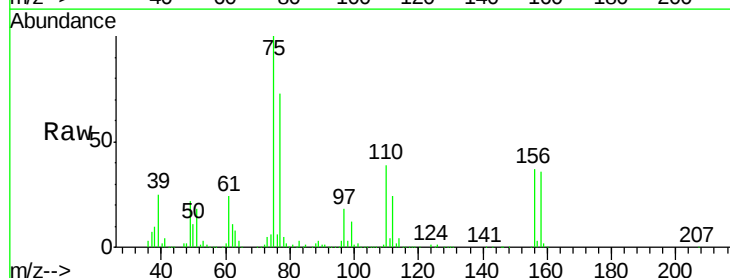
Acq: 20 May 2019 17:20

Tgt Ion: 75 Resp: 157663

Ion Ratio Lower Upper

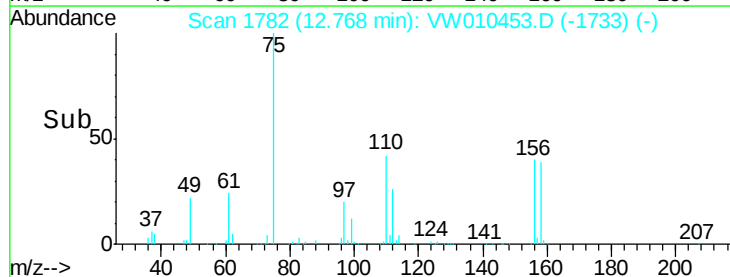
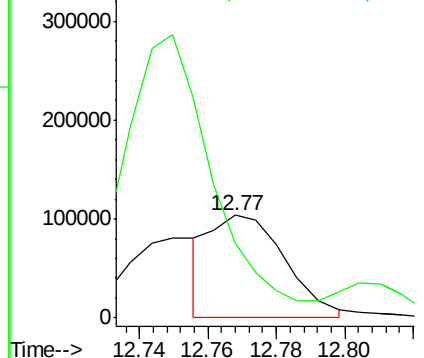
75 100

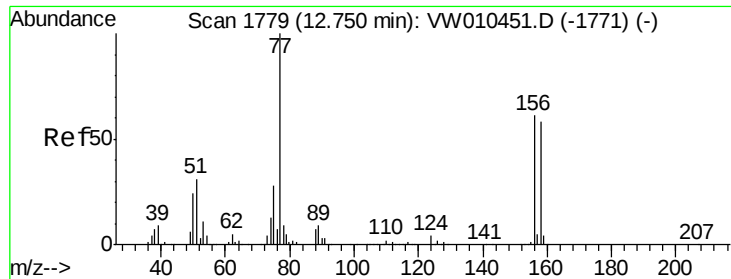
77 333.7 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 152.336 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

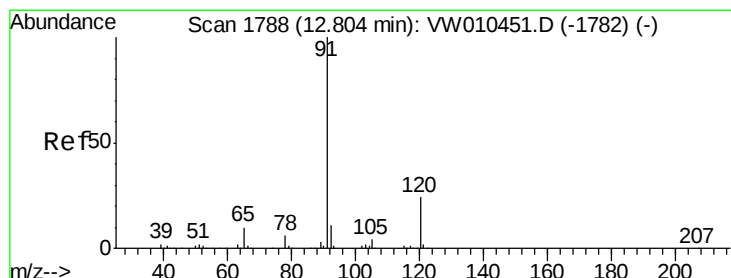
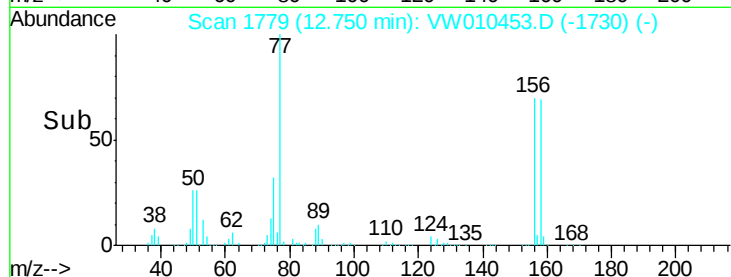
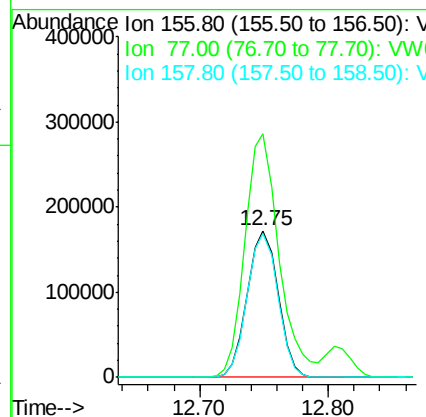
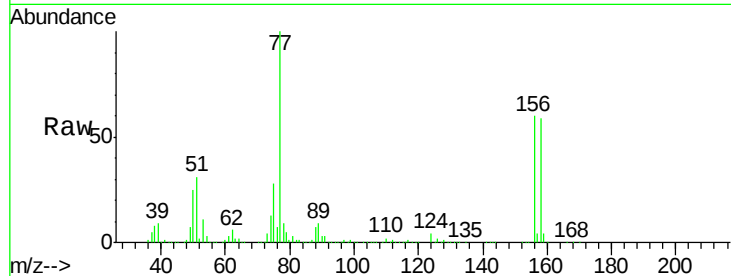
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	285708
Ion Ratio	Lower	Upper	
156	100		
77	184.2	92.4	277.2
158	97.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 148.253 ug/l

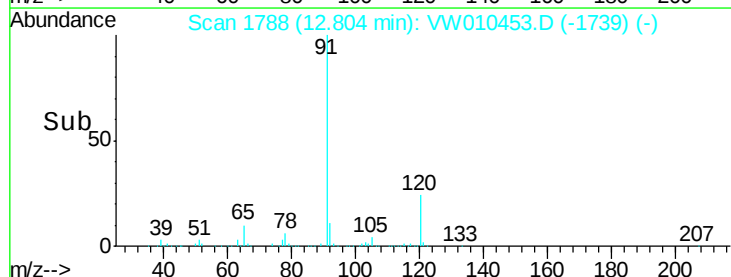
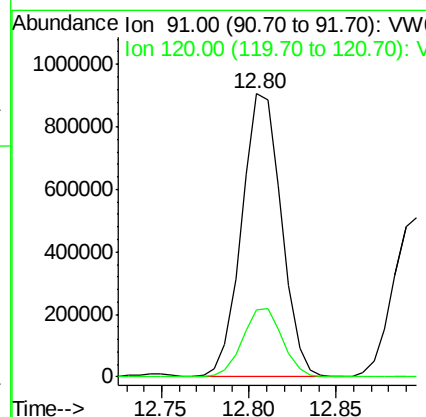
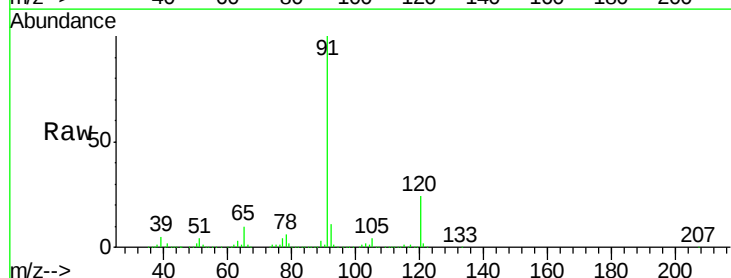
RT: 12.80 min Scan# 1788

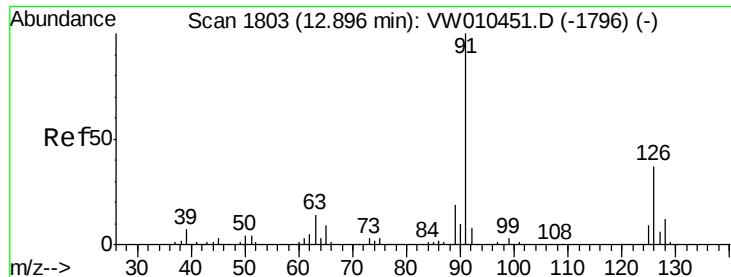
Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion:	91	Resp:	1427788
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.8





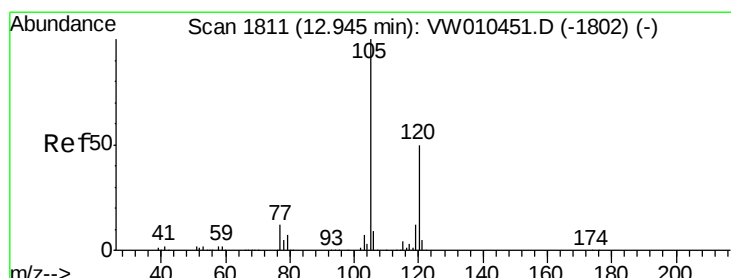
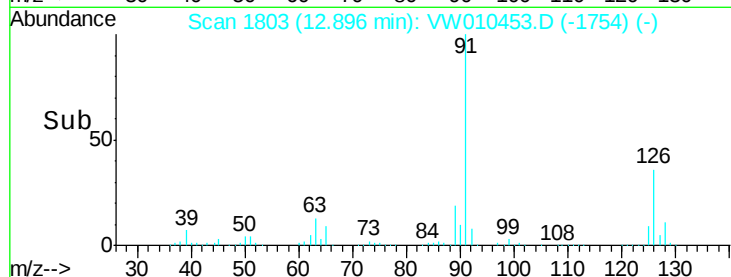
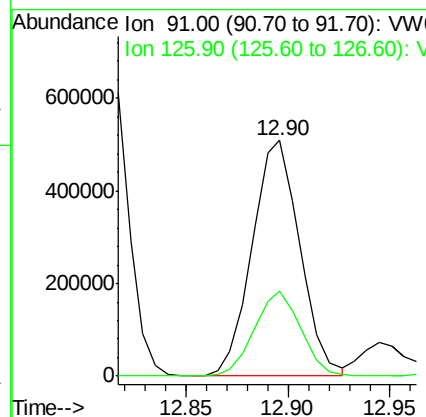
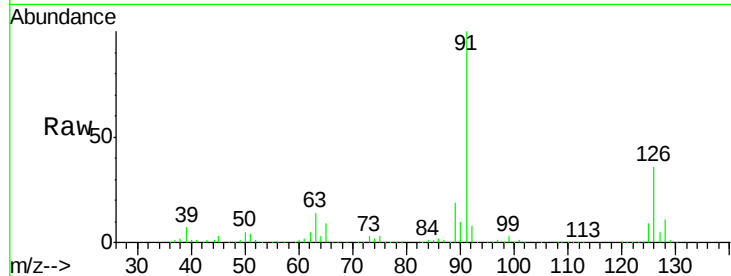
#79
2-Chlorotoluene
Concen: 147.305 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 827759
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.3

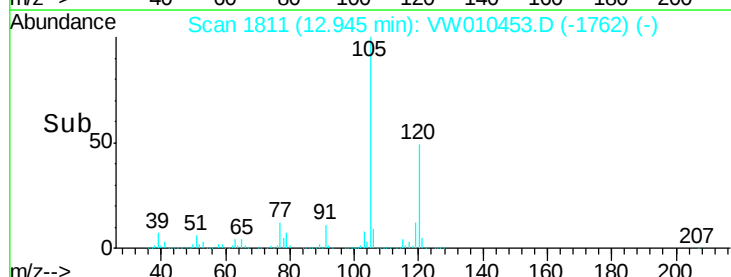
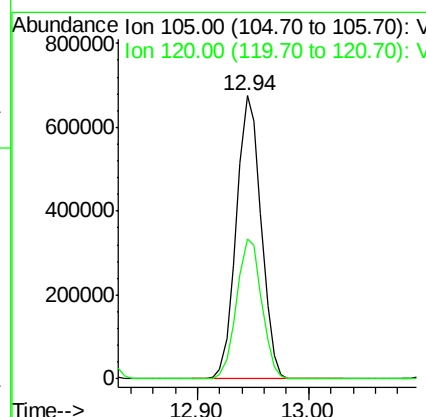
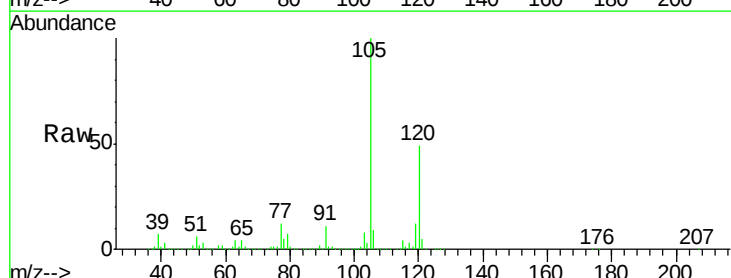
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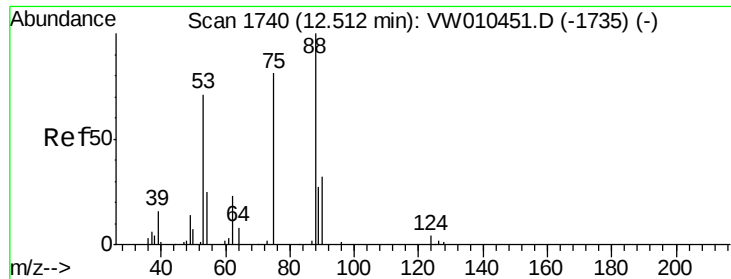
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 146.761 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion:105 Resp: 1037314
Ion Ratio Lower Upper
105 100
120 50.2 25.2 75.6





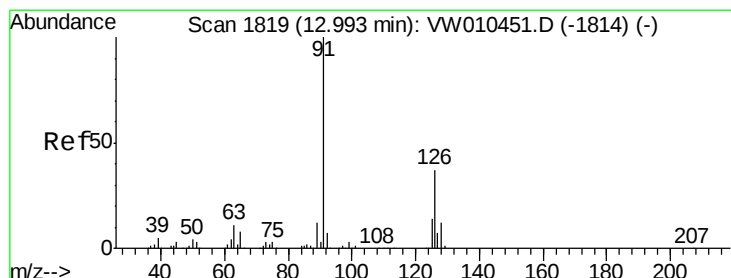
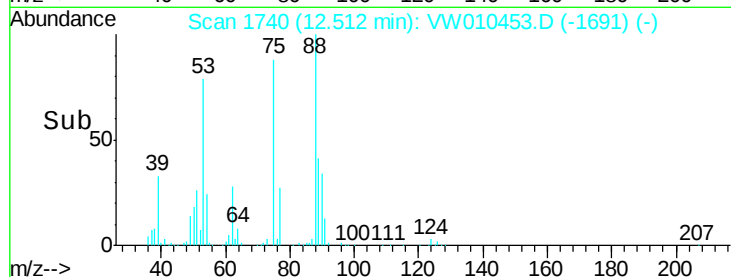
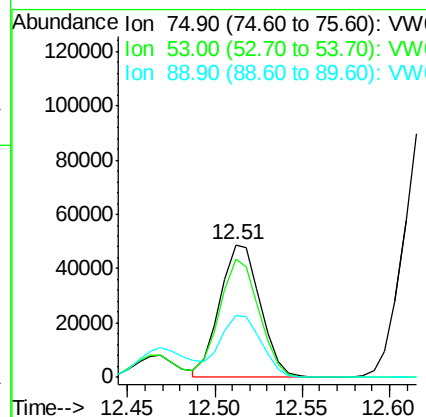
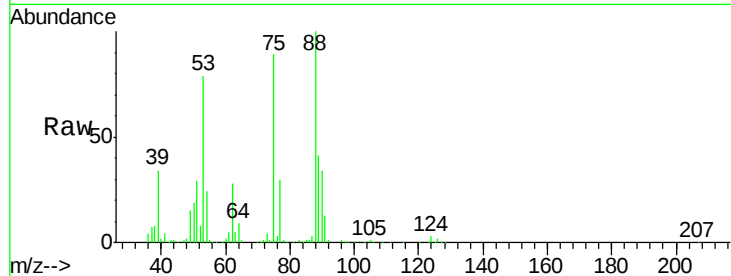
#81
trans-1,4-Dichloro-2-butene
Concen: 137.514 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	69.8	104.8
89	46.5	39.5	59.3

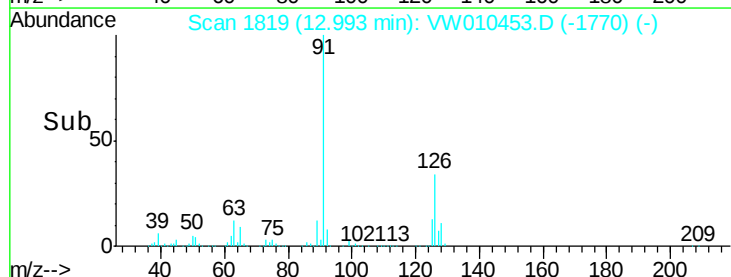
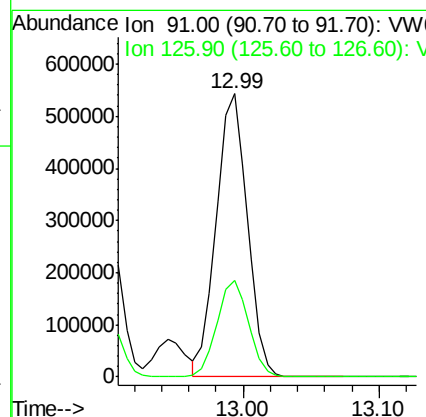
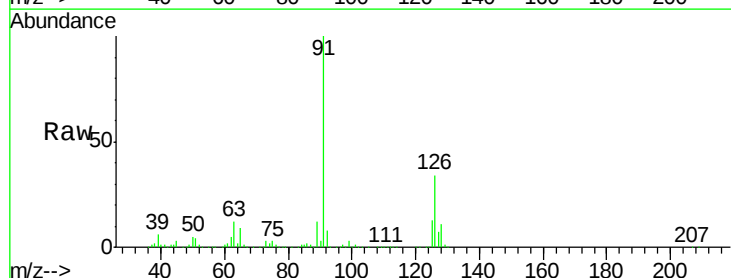
Manual Integrations
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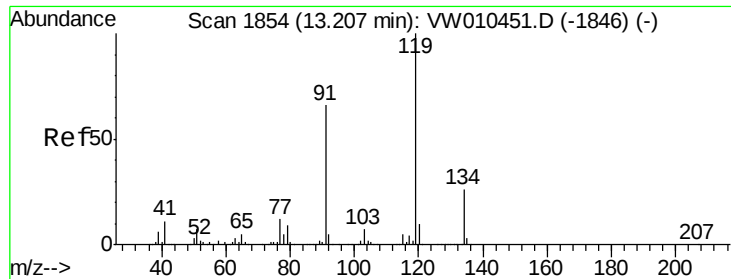
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#82
4-Chlorotoluene
Concen: 146.702 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.6





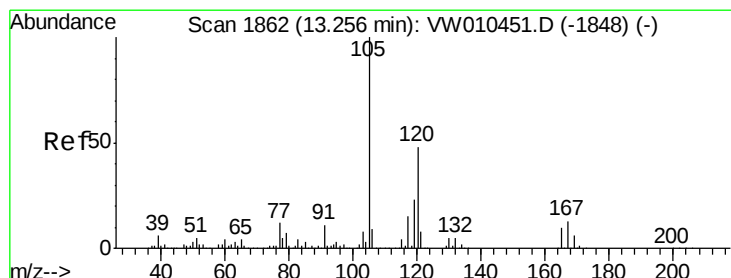
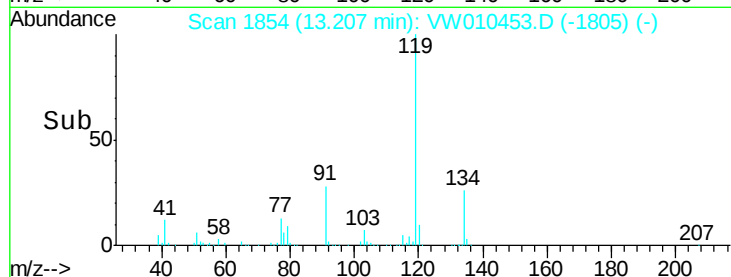
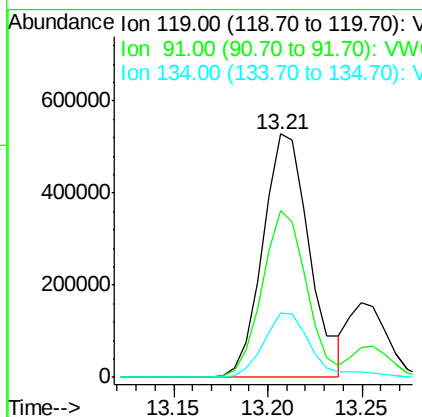
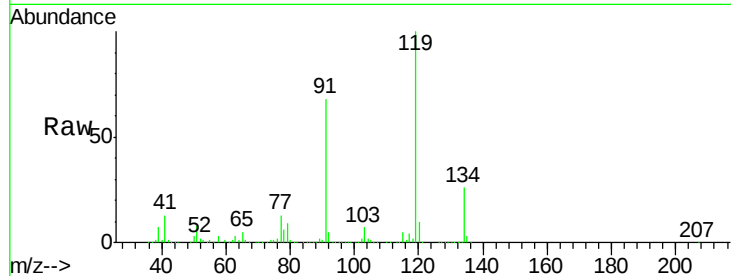
#83
tert-Butylbenzene
Concen: 151.464 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	907855		
91	65.0		33.1	99.5
134	27.1		13.9	41.6

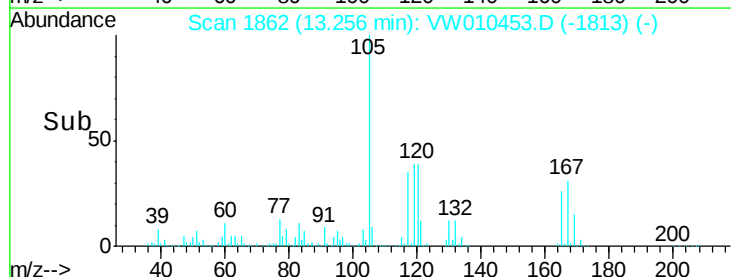
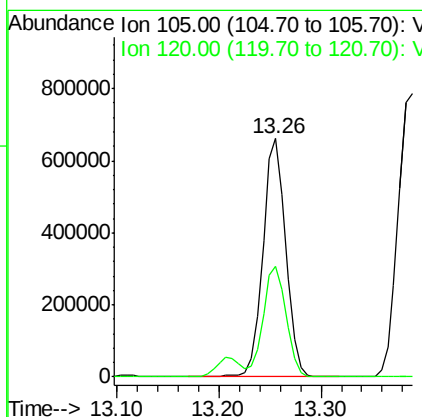
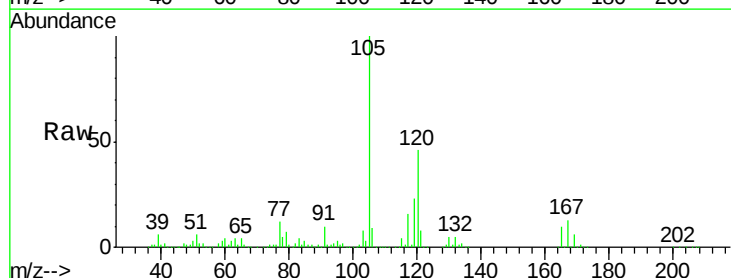
Manual Integrations
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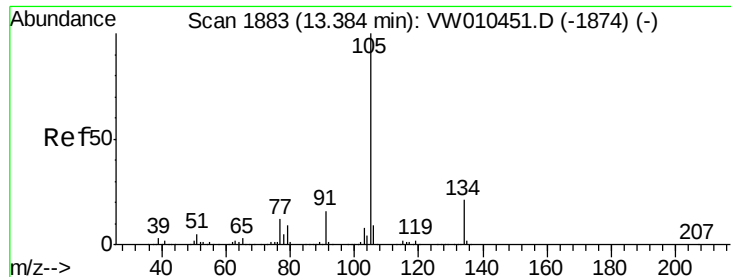
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 147.318 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1026445		
120	46.9		23.4	70.2





#85

sec-Butylbenzene

Concen: 148.061 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1248271

Ion Ratio Lower Upper

105 100

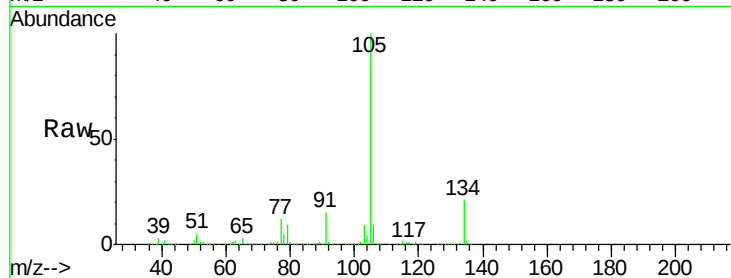
134 20.8 10.5 31.6

Manual Integrations

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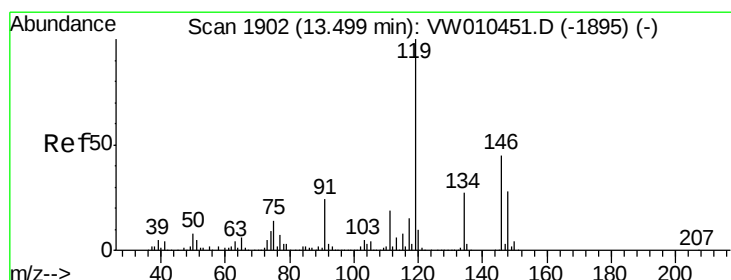
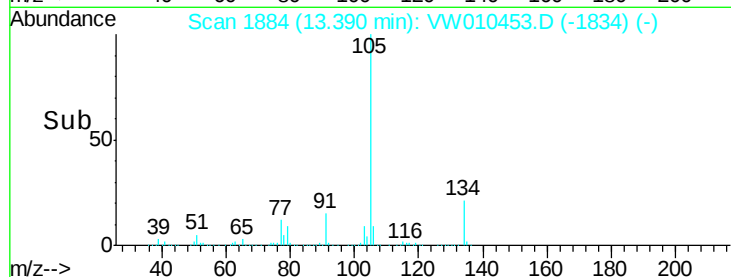
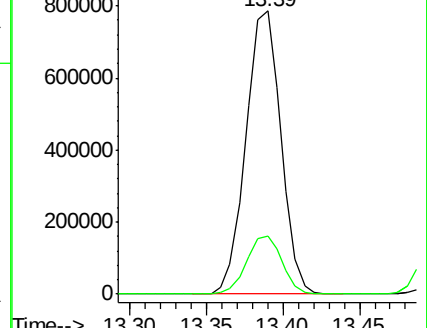
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 150.399 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

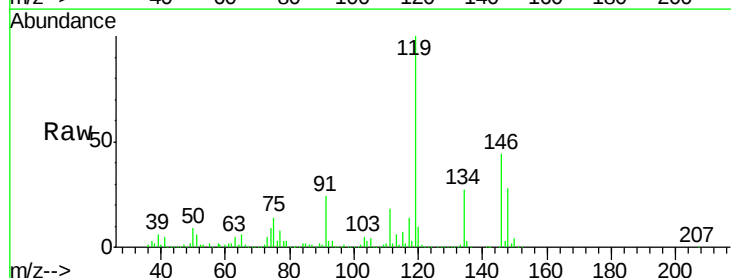
Tgt Ion:119 Resp: 1148214

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

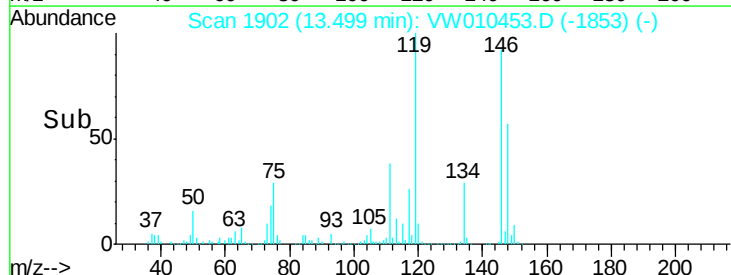
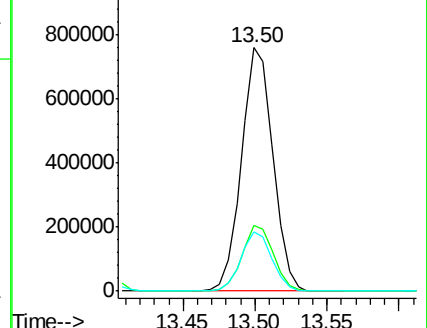
91 24.0 11.9 35.7

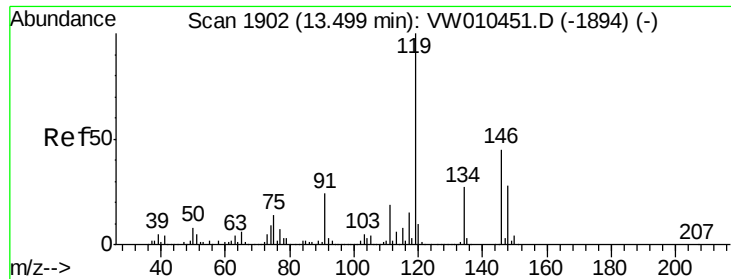


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 150.730 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Instrument :

MSVOA_W

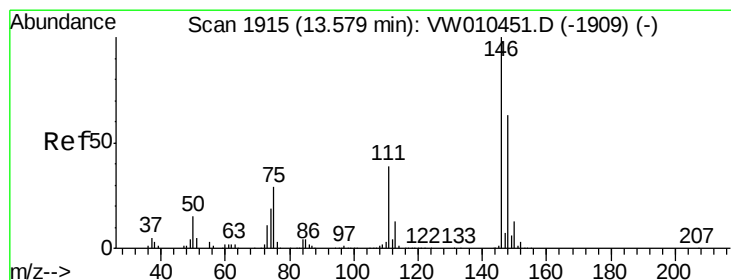
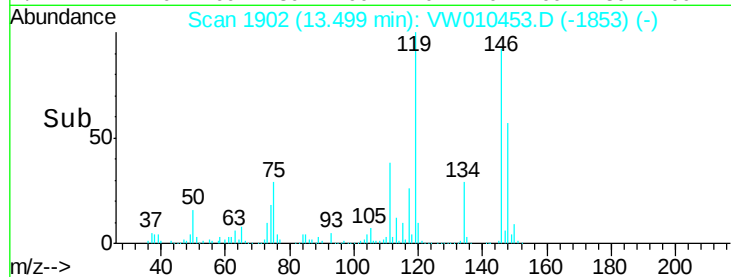
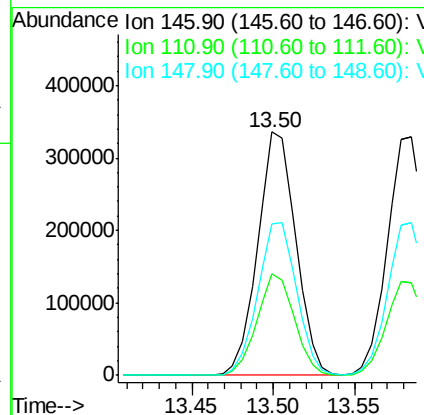
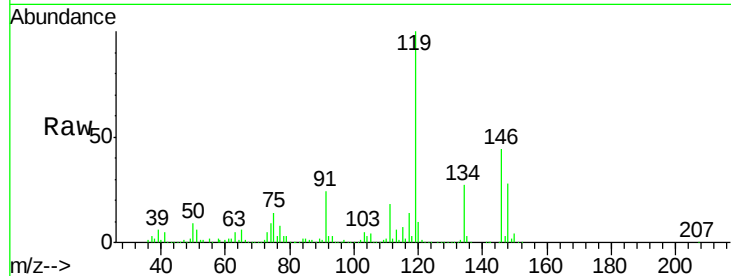
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	63.7	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 150.165 ug/l

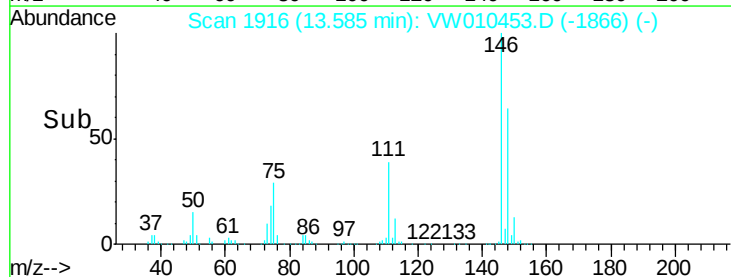
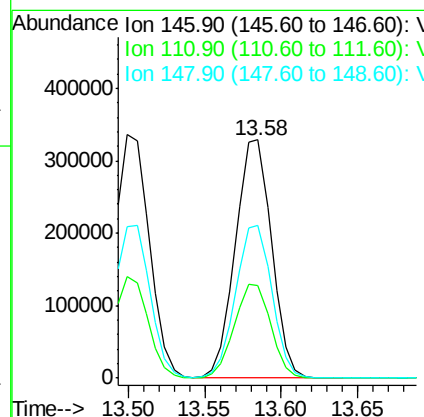
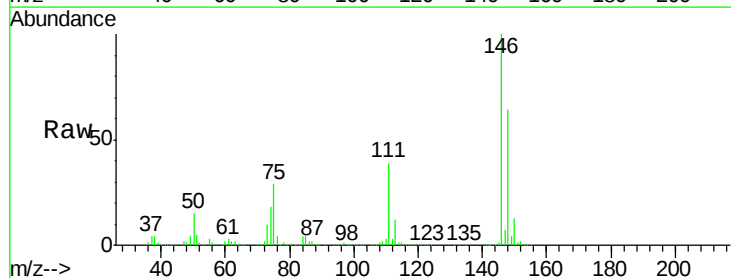
RT: 13.58 min Scan# 1916

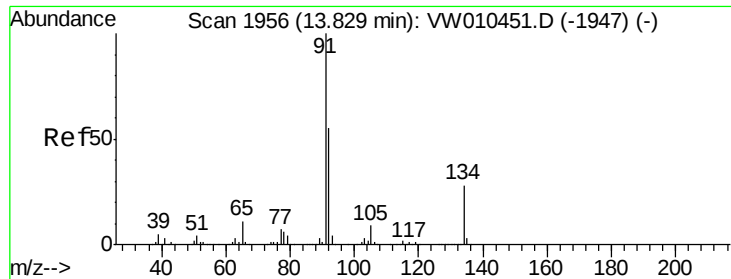
Delta R.T. 0.01 min

Lab File: VW010453.D

Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.6
148	64.1	31.6	94.8





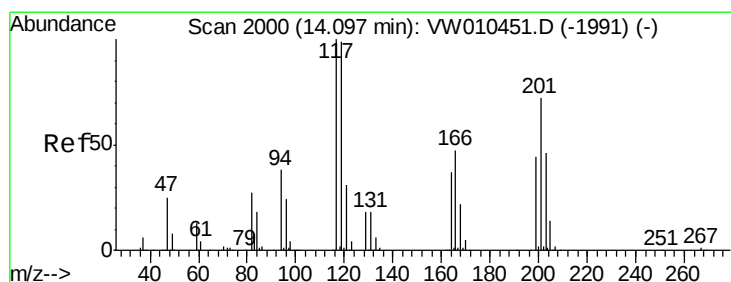
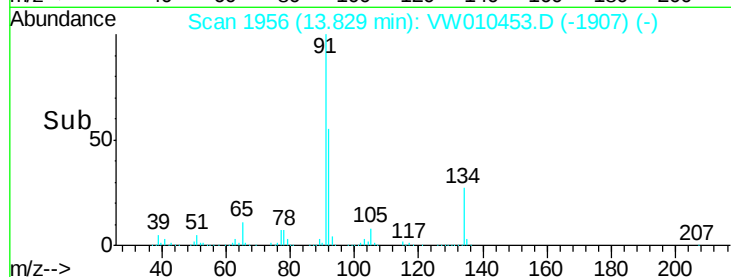
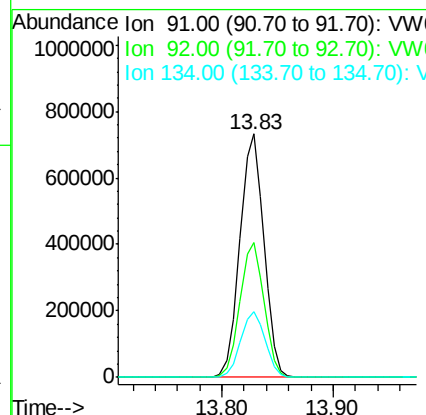
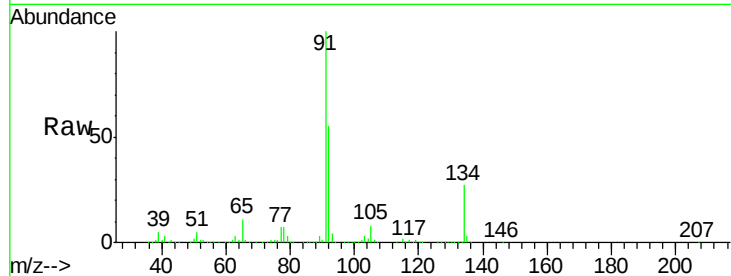
#89
n-Butylbenzene
Concen: 149.988 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.1
134	27.5	13.9	41.6

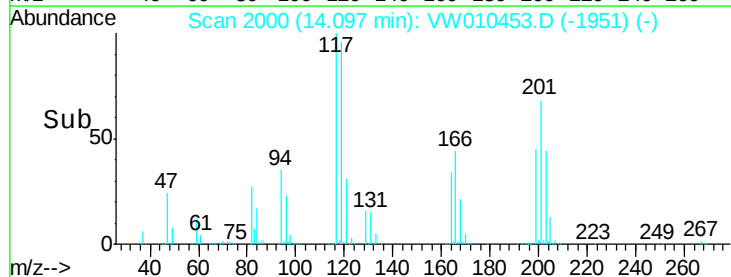
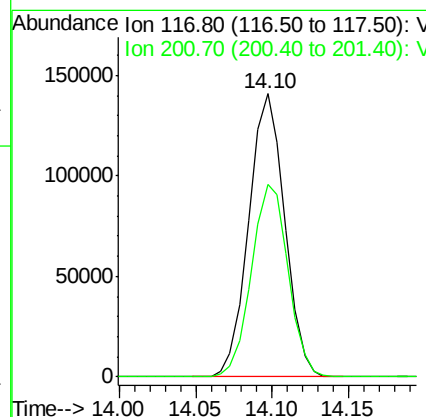
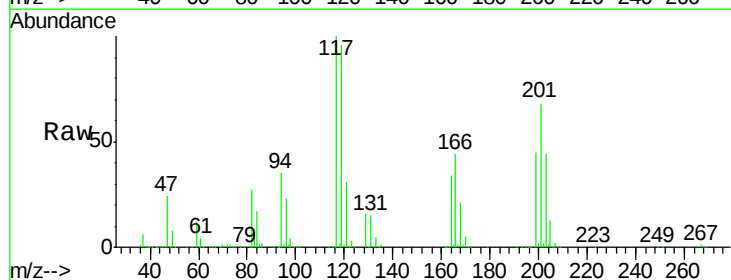
Manual Integrations
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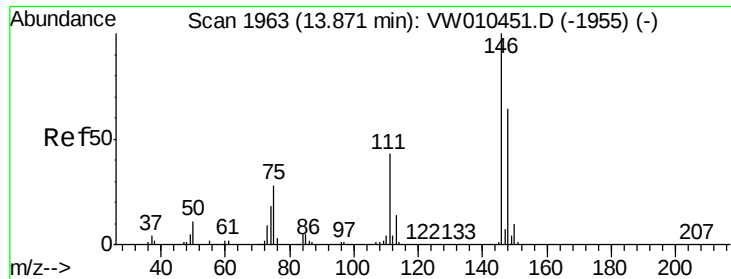
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#90
Hexachloroethane
Concen: 150.802 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.6	103.8





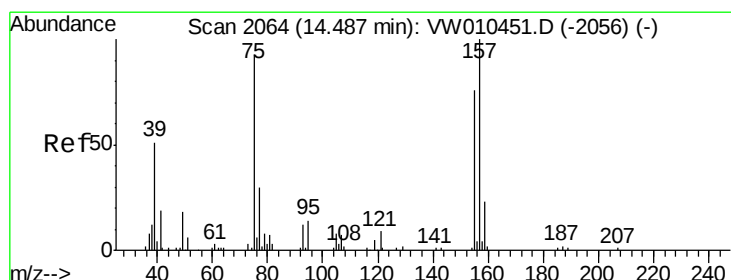
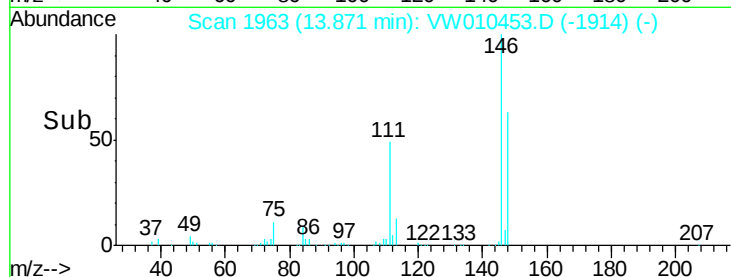
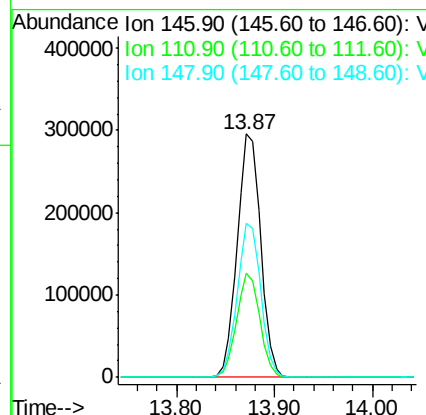
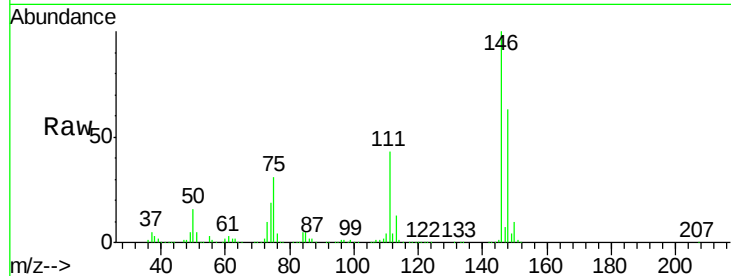
#91
 1,2-Dichlorobenzene
 Concen: 150.497 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.4	32.0	96.0

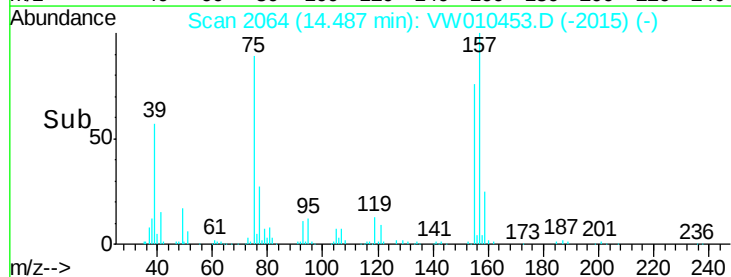
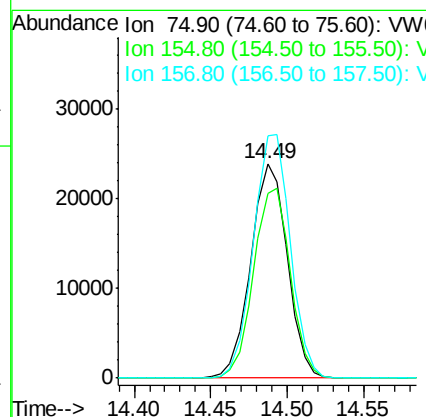
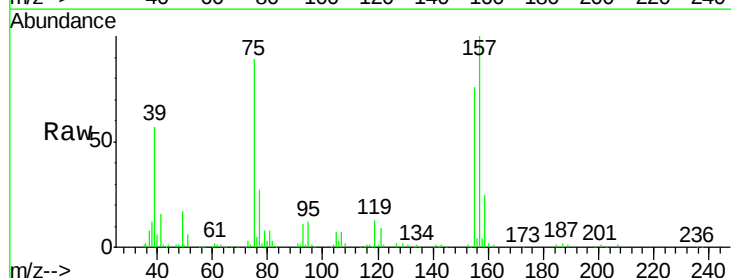
Manual Integrations
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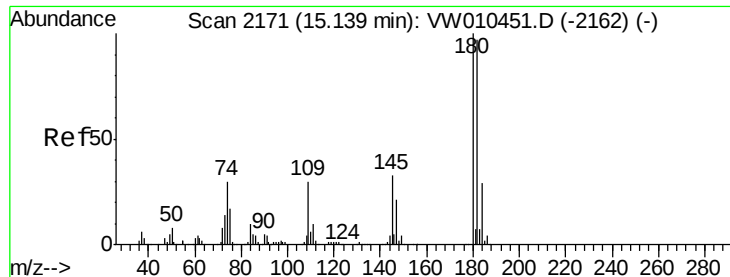
MMDadoda
 5/21/2019 11:28:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 132.616 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	43.0	129.0
157	114.7	55.7	167.1





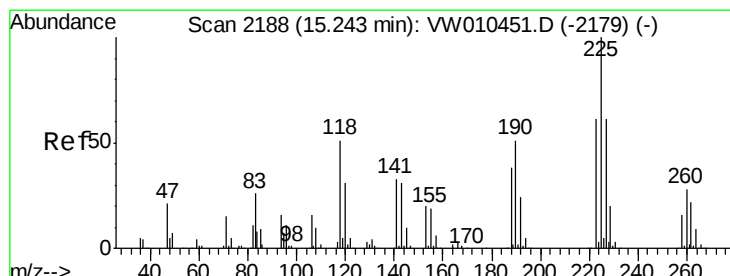
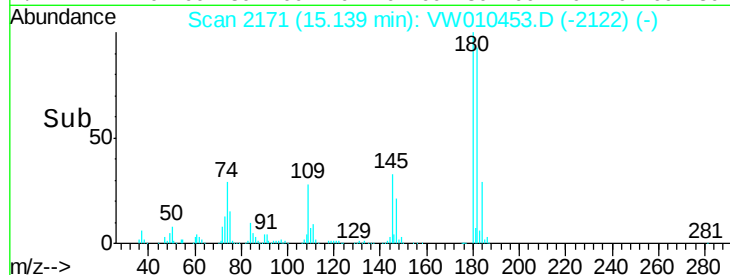
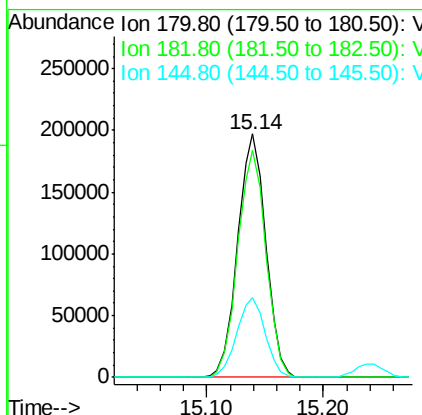
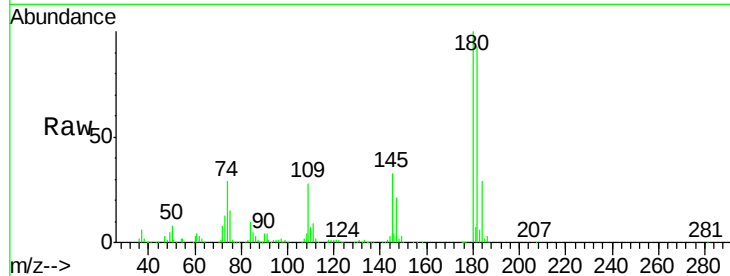
#93
 1,2,4-Trichlorobenzene
 Concen: 153.500 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	331949		
182	93.6	47.0	141.2	
145	33.1	16.7	50.0	

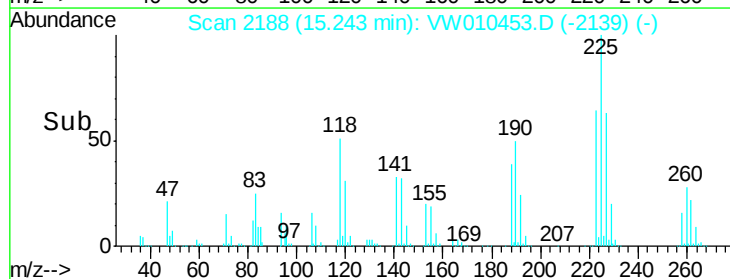
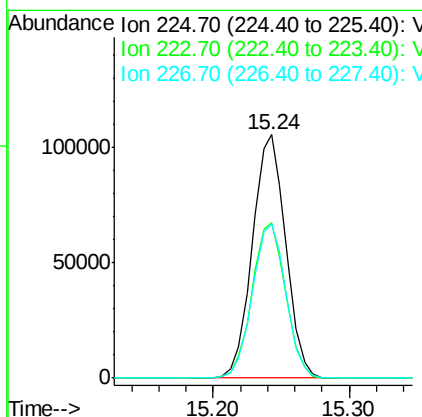
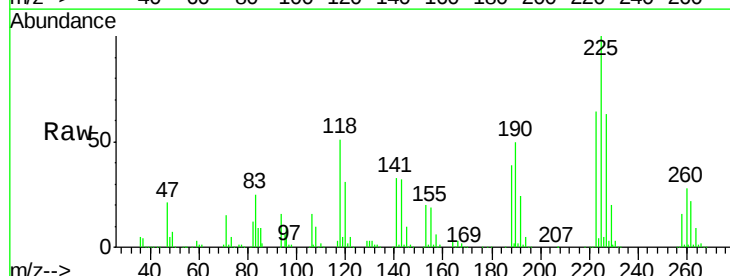
Manual Integrations
 APPROVED

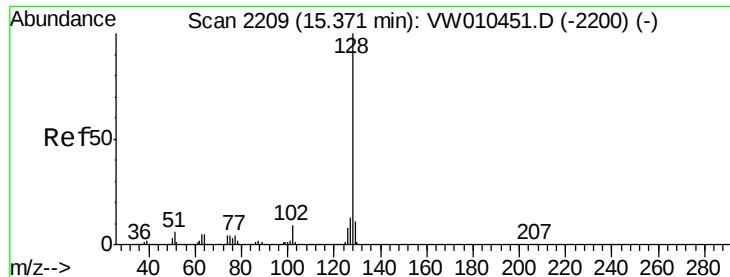
MMDadoda
 5/21/2019 11:28:53 AM



#94
 Hexachlorobutadiene
 Concen: 155.325 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010453.D
 Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180206		
223	64.3	31.1	93.2	
227	63.7	31.1	93.5	





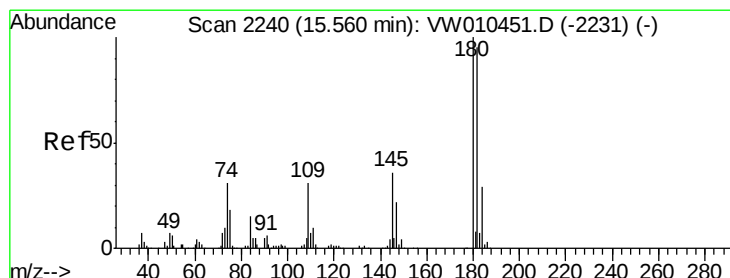
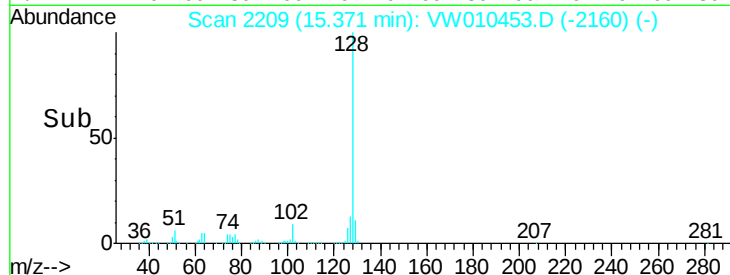
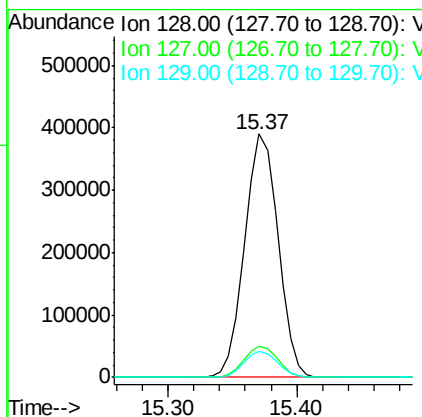
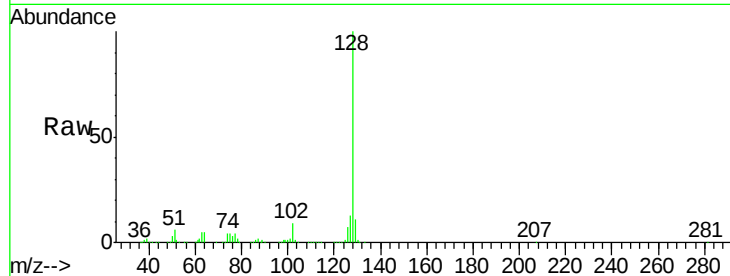
#95
Naphthalene
Concen: 145.000 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2019 11:28:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 151.517 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010453.D
Acq: 20 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	34.9	17.4	52.3

