

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010378.D
 Acq On : 11 May 2019 13:47
 Operator : SY/VA
 Sample : VW0511SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:44:08 AM

Quant Time: May 12 00:43:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1409916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2273513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2049785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1029226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	781665	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	697987	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.32	98	2807546	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	1011262	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	189439	17.782	ug/l	94
3) Chloromethane	2.21	50	261771	18.138	ug/l	95
4) Vinyl Chloride	2.37	62	347032	19.348	ug/l	99
5) Bromomethane	2.77	94	195081	18.861	ug/l	99
6) Chloroethane	2.92	64	201766	19.451	ug/l	94
7) Trichlorofluoromethane	3.25	101	148355	16.522	ug/l	97
8) Diethyl Ether	3.67	74	167095	21.168	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	288480	19.607	ug/l	98
10) Methyl Iodide	4.26	142	413763	19.859	ug/l	94
11) Tert butyl alcohol	5.18	59	80543	76.087	ug/l	100
12) 1,1-Dichloroethene	4.03	96	304486	19.805	ug/l	93
13) Acrolein	3.89	56	108008	77.282	ug/l	95
14) Allyl chloride	4.65	41	469418	20.455	ug/l	92
15) Acrylonitrile	5.37	53	363061	82.981	ug/l	99
16) Acetone	4.12	43	322404	82.507	ug/l	95
17) Carbon Disulfide	4.37	76	884091	19.013	ug/l	99
18) Methyl Acetate	4.67	43	164869	17.034	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	376164	20.553	ug/l	100
20) Methylene Chloride	4.90	84	331864	20.362	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	339432	20.511	ug/l	100
22) Diisopropyl ether	6.31	45	1028625	23.095	ug/l	96
23) Vinyl Acetate	6.25	43	3148202	102.940	ug/l	97
24) 1,1-Dichloroethane	6.21	63	633487	21.126	ug/l	99
25) 2-Butanone	7.17	43	484123	80.986	ug/l	96
26) 2,2-Dichloropropane	7.16	77	317005	21.248	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	361946	21.267	ug/l	97
28) Bromochloromethane	7.51	49	269893	24.413	ug/l	99
29) Tetrahydrofuran	7.53	42	318601	82.400	ug/l	96
30) Chloroform	7.67	83	612409	21.822	ug/l	98
31) Cyclohexane	7.95	56	623643	20.312	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	457490	21.046	ug/l	100
36) 1,1-Dichloropropene	8.08	75	510367	20.704	ug/l	99
37) Ethyl Acetate	7.25	43	226259	17.239	ug/l	97
38) Carbon Tetrachloride	8.07	117	434004	20.539	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	606441	20.110	ug/l	99
40) Benzene	8.32	78	1415617	20.969	ug/l	100
41) Methacrylonitrile	7.48	41	127881	17.373	ug/l	94
42) 1,2-Dichloroethane	8.40	62	414621	21.456	ug/l	97
43) Isopropyl Acetate	8.42	43	400967	18.420	ug/l	96
44) Trichloroethene	9.09	130	348253	20.605	ug/l	100
45) 1,2-Dichloropropane	9.37	63	363107	21.638	ug/l	96
46) Dibromomethane	9.46	93	173666	20.032	ug/l	97
47) Bromodichloromethane	9.64	83	444385	21.369	ug/l	99
48) Methyl methacrylate	9.43	41	192920	18.744	ug/l	87
49) 1,4-Dioxane	9.45	88	47209	312.260	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1108861	88.839	ug/l	95
52) Toluene	10.38	92	881045	21.352	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	442015	20.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	531223	21.295	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	251731	20.444	ug/l	97
56) Ethyl methacrylate	10.65	69	320162	19.690	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	463347	21.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	895400	115.014	ug/l	100
59) 2-Hexanone	10.97	43	767130	86.927	ug/l	94
60) Dibromochloromethane	11.13	129	278461	21.016	ug/l	99
61) 1,2-Dibromoethane	11.24	107	233024	19.714	ug/l	96
64) Tetrachloroethene	10.86	164	291171	20.324	ug/l	98
65) Chlorobenzene	11.66	112	898164	21.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	301619	21.031	ug/l	98
67) Ethyl Benzene	11.73	91	1674840	21.456	ug/l	99
68) m/p-Xylenes	11.84	106	1260282	43.455	ug/l	99
69) o-Xylene	12.17	106	565851	21.568	ug/l	98
70) Styrene	12.18	104	1014222	22.187	ug/l	98
71) Bromoform	12.35	173	153550	18.730	ug/l #	98
73) Isopropylbenzene	12.47	105	1590753	21.204	ug/l	100
74) N-amyl acetate	12.27	43	369296	19.054	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	299667	18.129	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	215517m	17.960	ug/l	
77) Bromobenzene	12.75	156	356638	21.054	ug/l	100
78) n-propylbenzene	12.80	91	1997339	21.556	ug/l	100
79) 2-Chlorotoluene	12.90	91	1126456	21.348	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1375286	21.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	88763	16.705	ug/l	98
82) 4-Chlorotoluene	12.99	91	1189082	21.508	ug/l	99
83) tert-Butylbenzene	13.21	119	1102304	20.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1377642	21.920	ug/l	100
85) sec-Butylbenzene	13.38	105	1653958	21.239	ug/l	100
86) p-Isopropyltoluene	13.50	119	1495048	21.622	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	717221	21.204	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	709216	21.128	ug/l	99
89) n-Butylbenzene	13.83	91	1478122	21.320	ug/l	98
90) Hexachloroethane	14.10	117	258037	20.121	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	631137	21.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47300	15.891	ug/l	97

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ClientSampleId :
VW0511SBS01

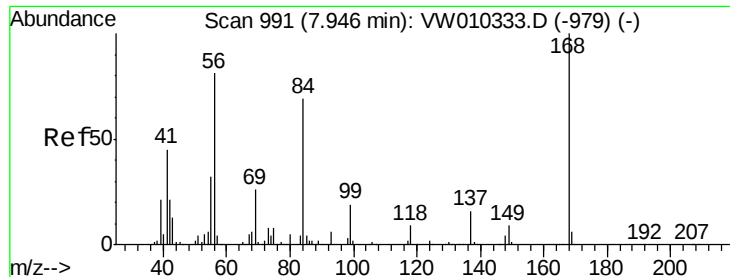
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	435572	21.315	ug/l	99
94) Hexachlorobutadiene	15.24	225	271416	20.718	ug/l	99
95) Naphthalene	15.37	128	767316	18.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	384453	20.825	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion:168 Resp: 1409916

Ion Ratio Lower Upper

168 100

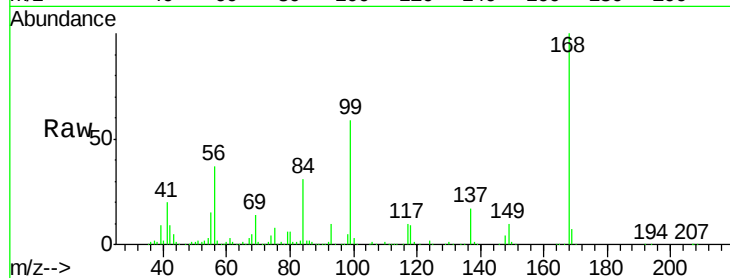
99 59.3 48.4 72.6

Manual Integrations

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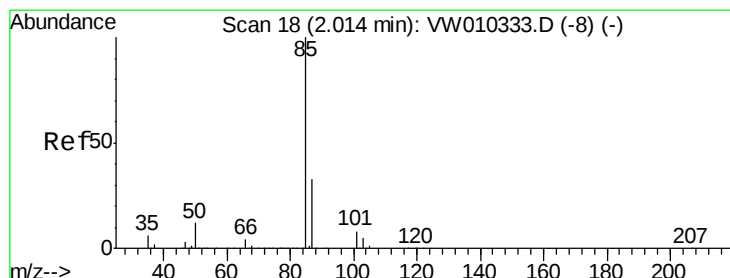
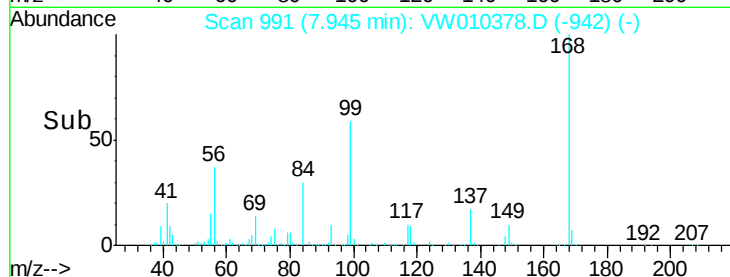
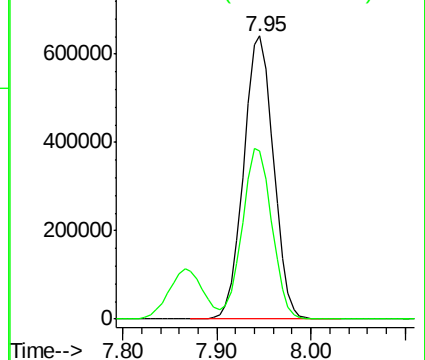
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.782 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010378.D

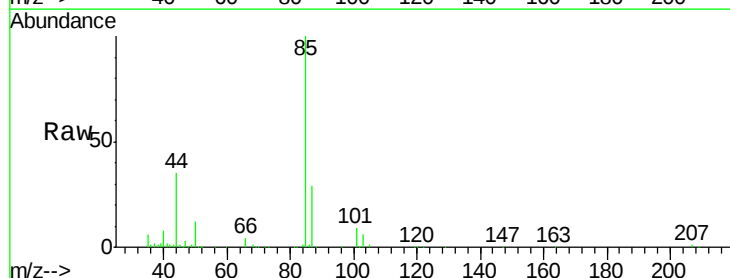
Acq: 11 May 2019 13:47

Tgt Ion: 85 Resp: 189439

Ion Ratio Lower Upper

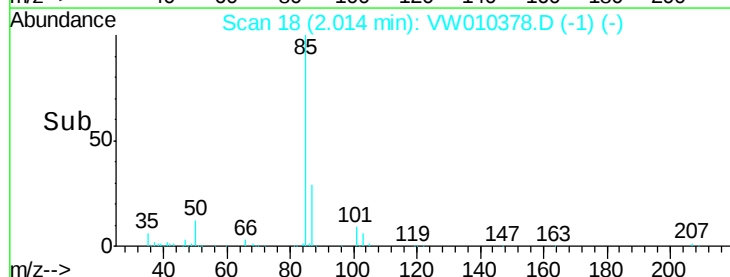
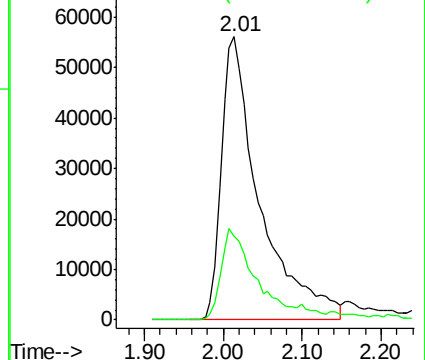
85 100

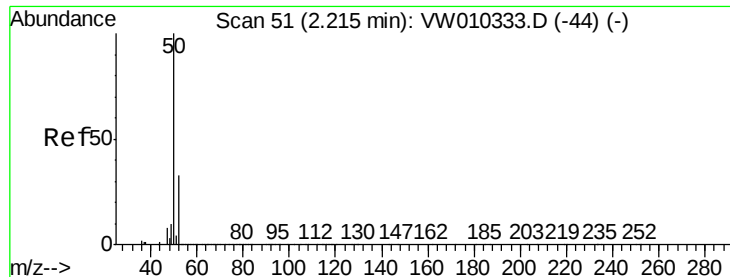
87 29.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





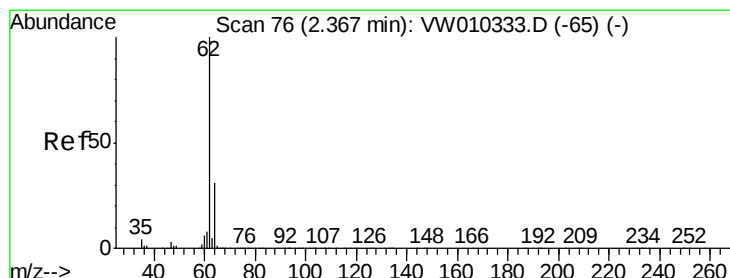
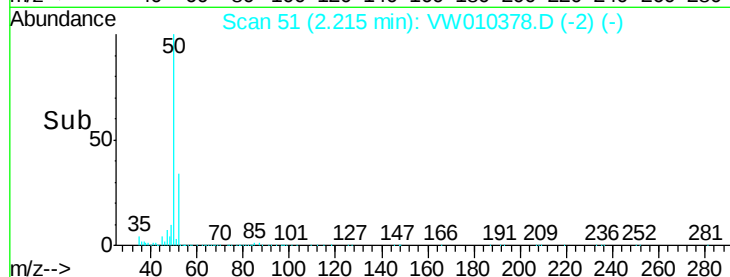
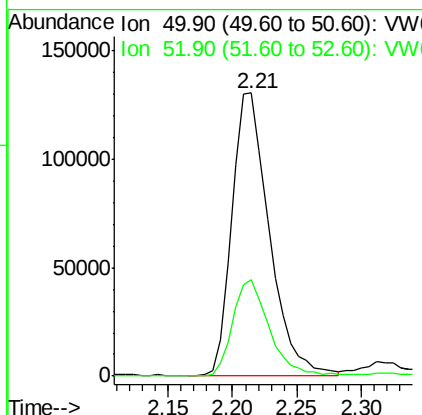
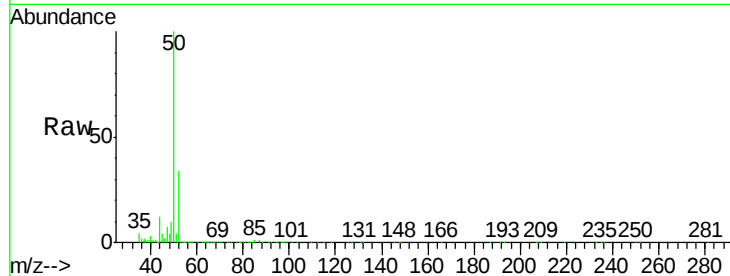
#3
Chloromethane
Concen: 18.138 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :
VW0511SBS01

Tot Ion: 50 Resp: 261771
Ion Ratio Lower Upper
50 100
52 34.0 25.0 37.6

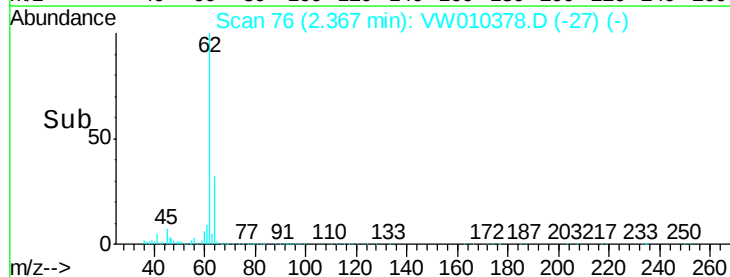
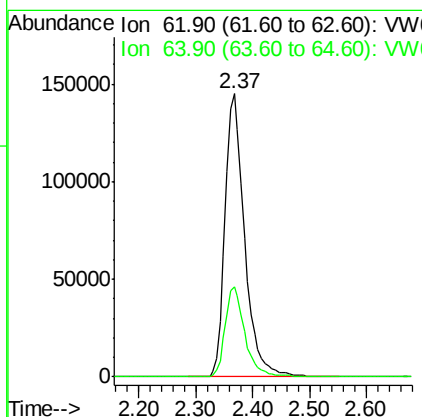
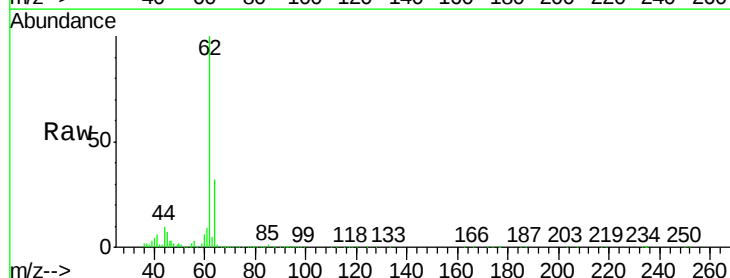
Manual Integrations
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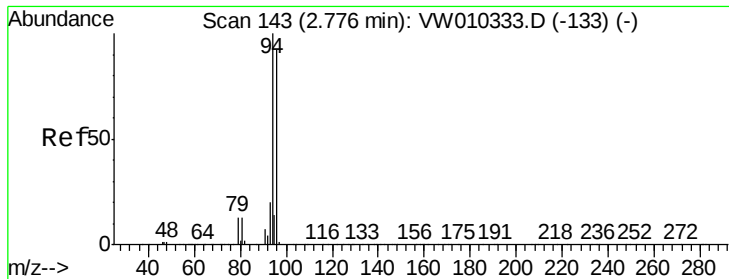
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#4
Vinyl Chloride
Concen: 19.348 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 62 Resp: 347032
Ion Ratio Lower Upper
62 100
64 31.7 25.9 38.9





#5

Bromomethane

Concen: 18.861 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 94 Resp: 195081

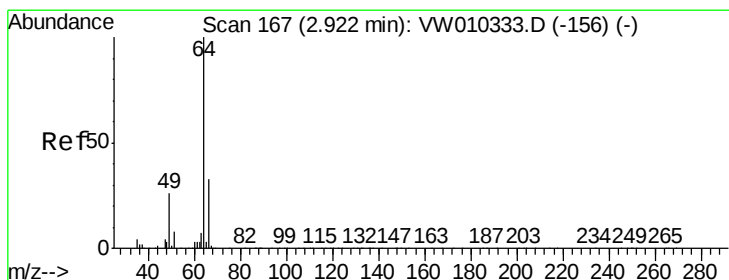
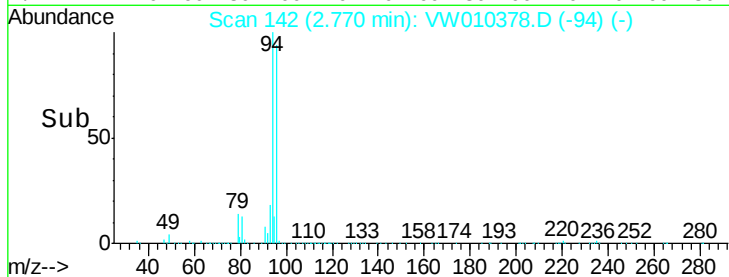
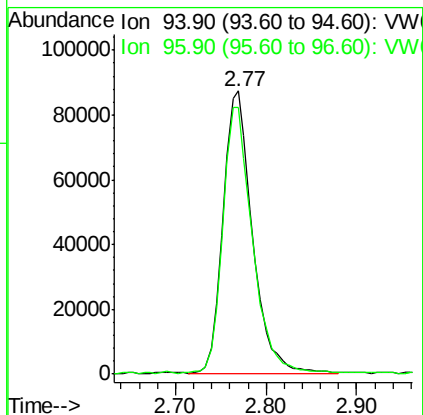
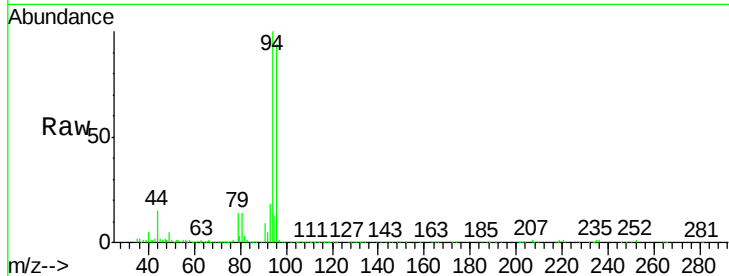
Ion Ratio Lower Upper

94 100

96 94.0 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 19.451 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010378.D

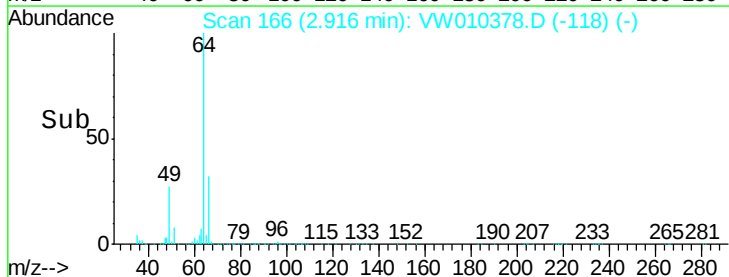
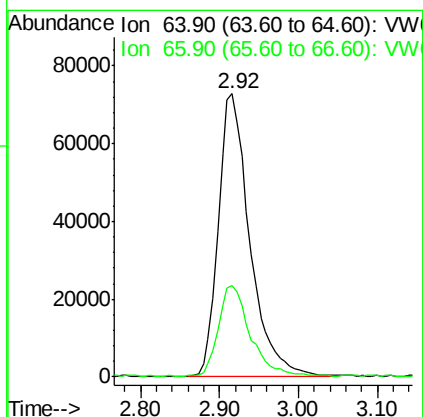
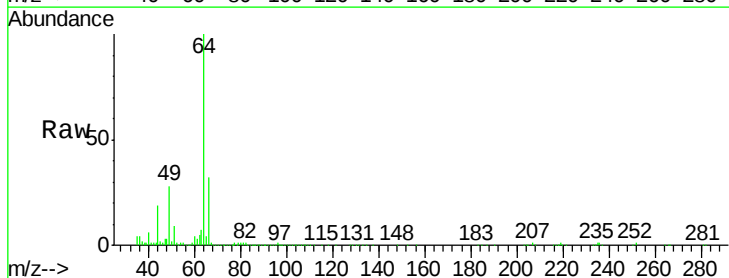
Acq: 11 May 2019 13:47

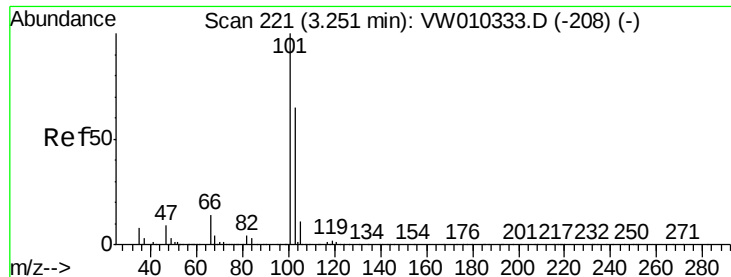
Tgt Ion: 64 Resp: 201766

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.0





#7

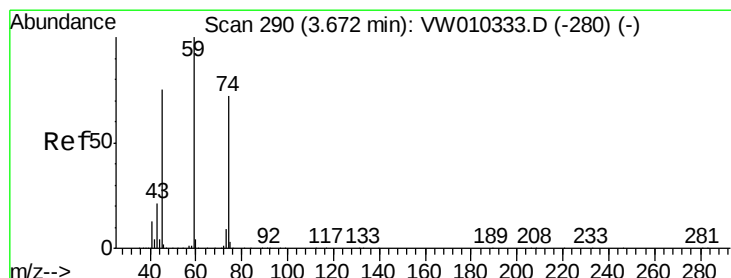
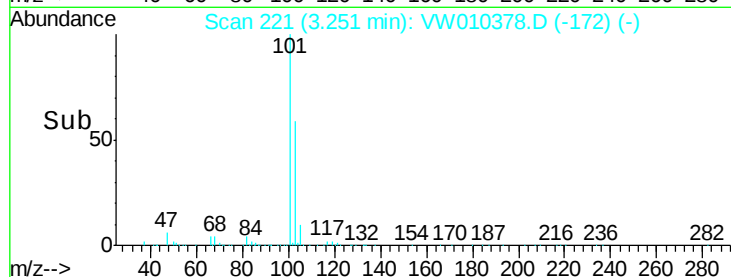
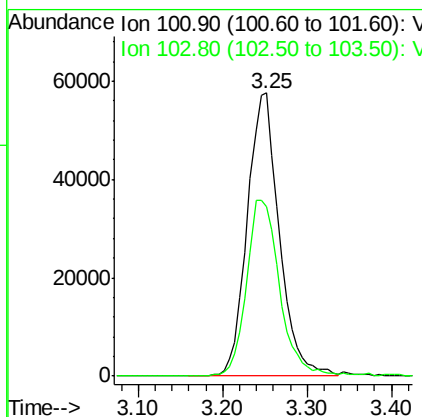
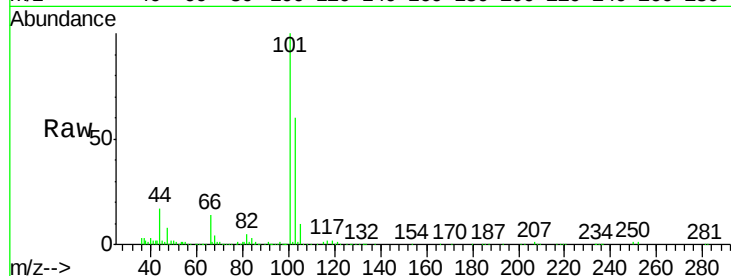
Trichlorofluoromethane
Concen: 16.522 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148355		
103	59.7	49.8	74.6	

Manual Integrations
APPROVED

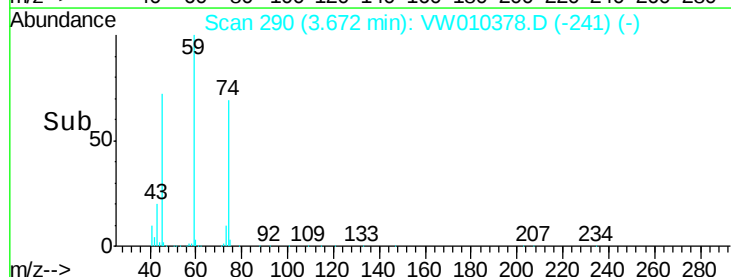
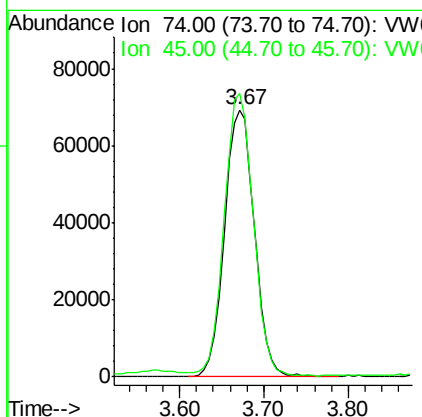
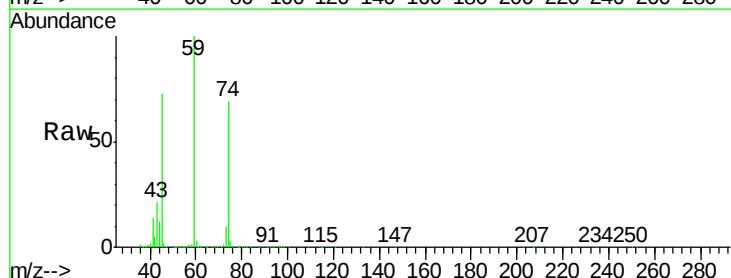
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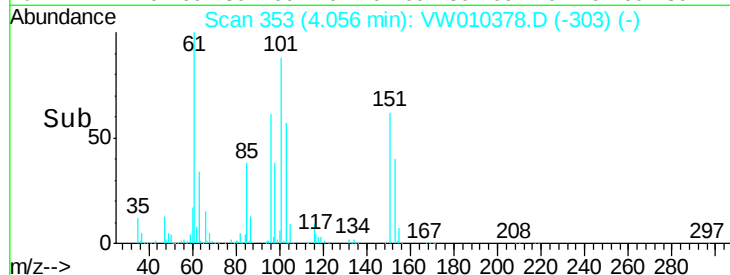
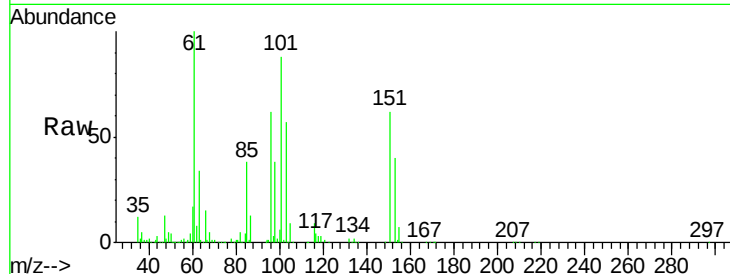
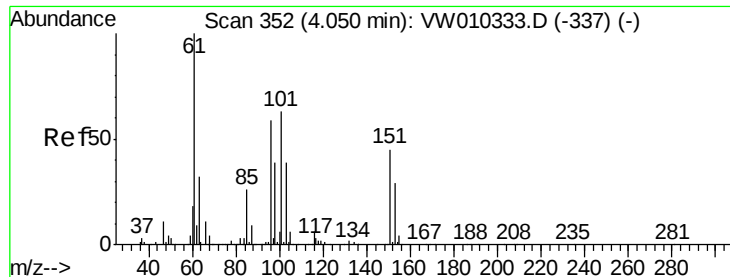


#8

Diethyl Ether
Concen: 21.168 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	167095		
45	103.4	56.0	168.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.607 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010378.D

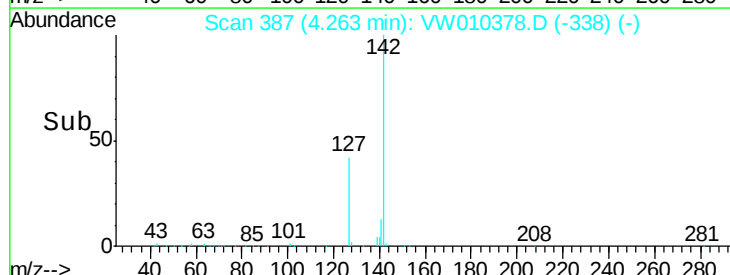
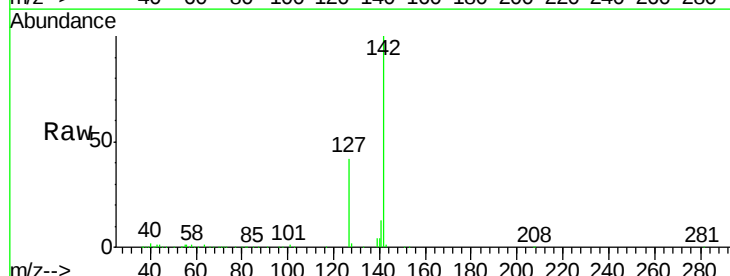
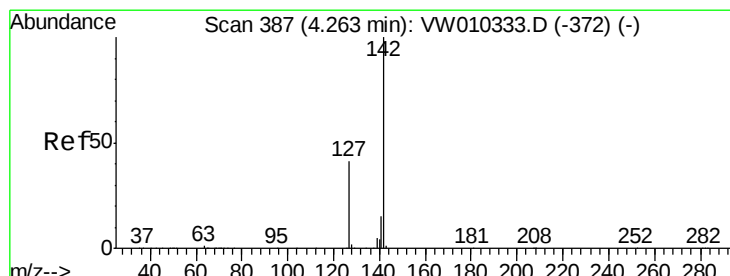
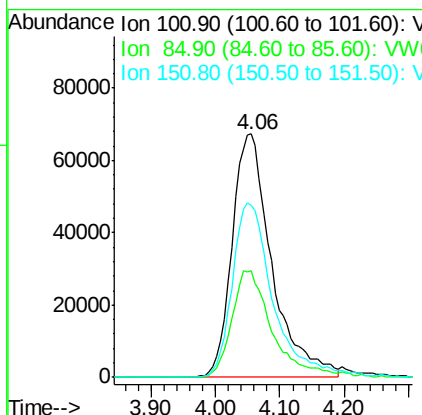
Acq: 11 May 2019 13:47

Tot Ion	Ratio	Resp	Lower	Upper
101	100	288480		
85	44.5	36.3	54.5	
151	73.7	60.2	90.2	

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

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#10

Methyl Iodide

Concen: 19.859 ug/l

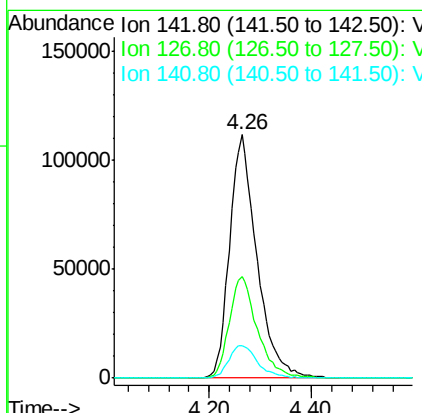
RT: 4.26 min Scan# 387

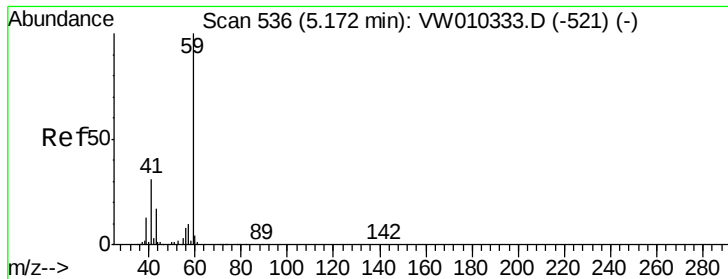
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	413763		
127	43.0	38.1	57.1	
141	14.5	12.2	18.2	





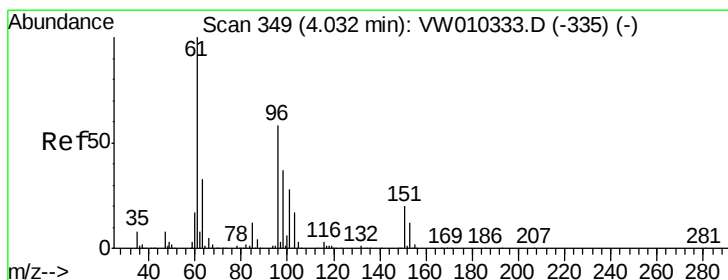
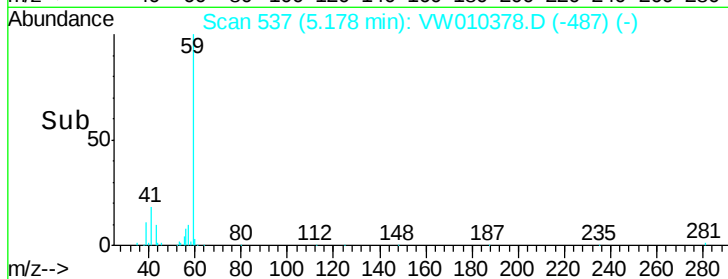
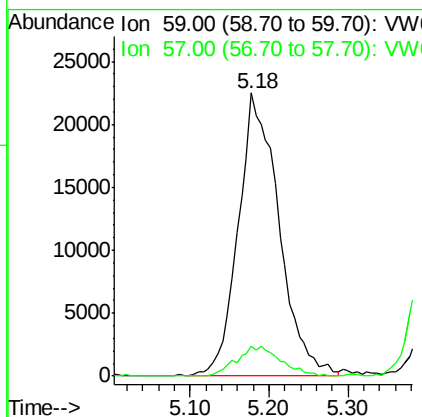
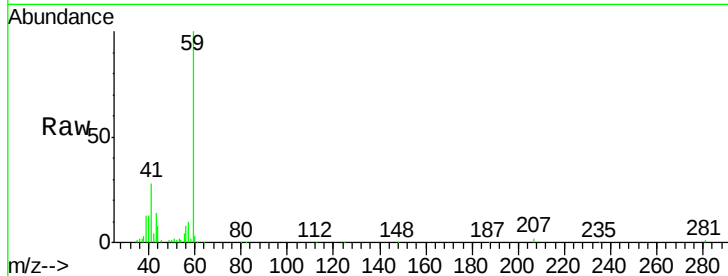
#11
Tert butyl alcohol
Concen: 76.087 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.4

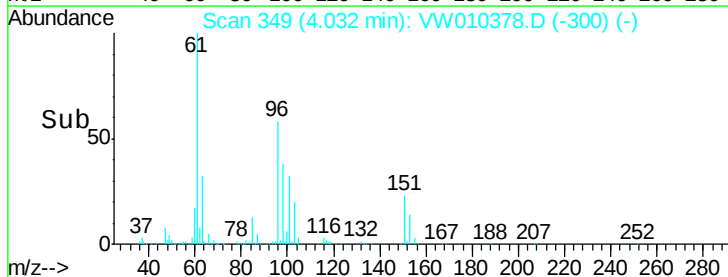
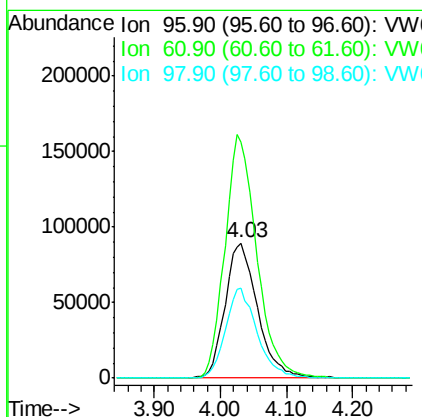
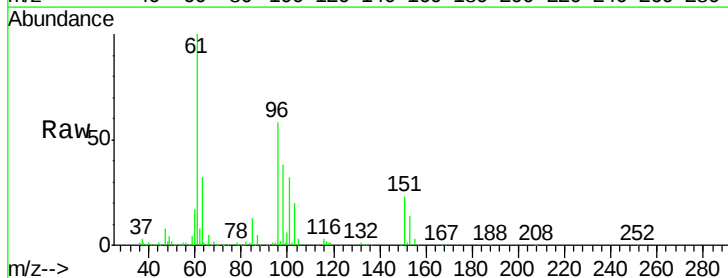
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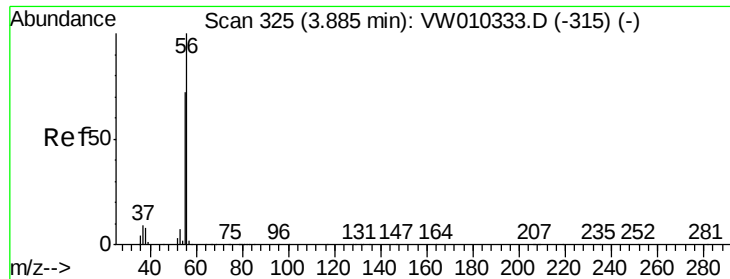
MMDadoda
5/13/2019 3:44:08 AM



#12
1,1-Dichloroethene
Concen: 19.805 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	147.4	221.2
98	66.2	49.7	74.5





#13

Acrolein

Concen: 77.282 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 56 Resp: 108008

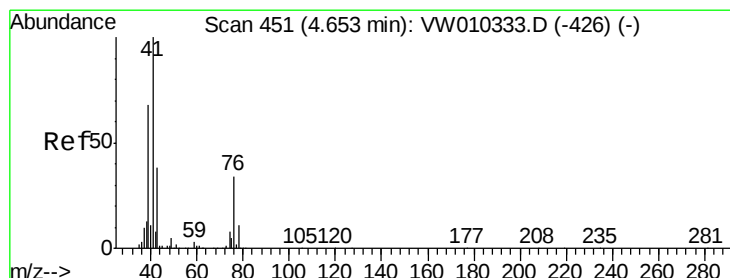
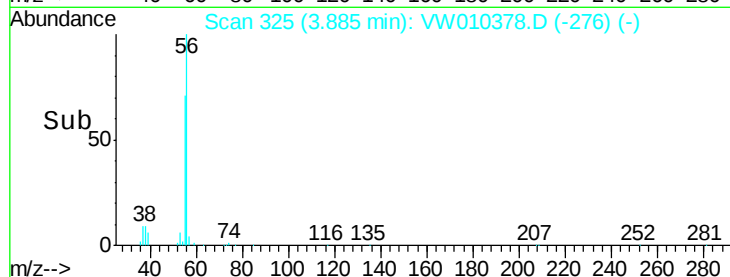
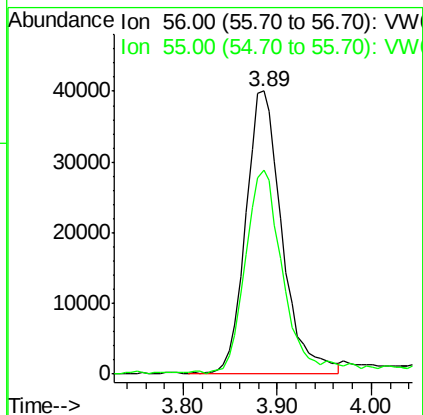
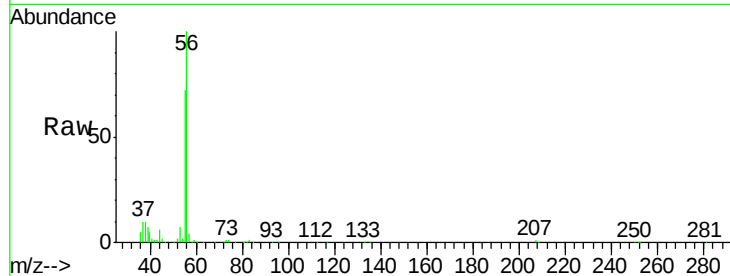
Ion Ratio Lower Upper

56 100

55 72.0 54.2 81.2

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#14

Allyl chloride

Concen: 20.455 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

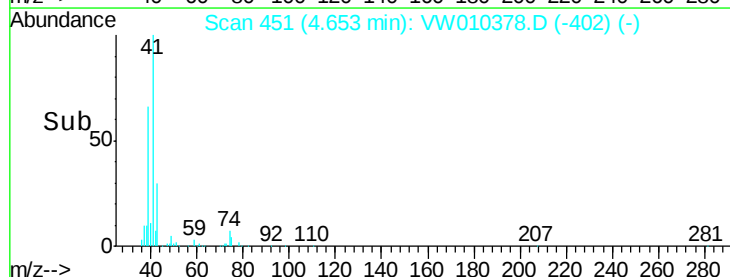
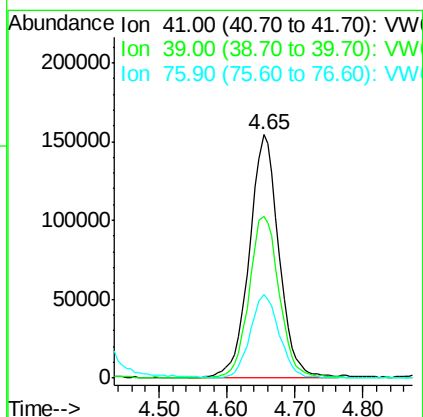
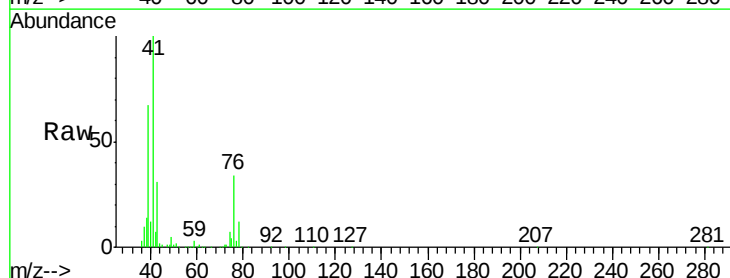
Tgt Ion: 41 Resp: 469418

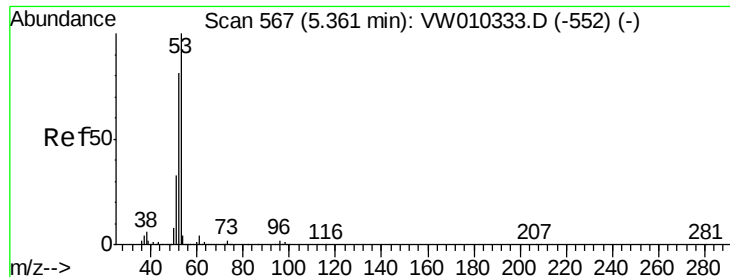
Ion Ratio Lower Upper

41 100

39 67.5 60.2 90.4

76 33.7 25.0 37.6





#15

Acrylonitrile

Concen: 82.981 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

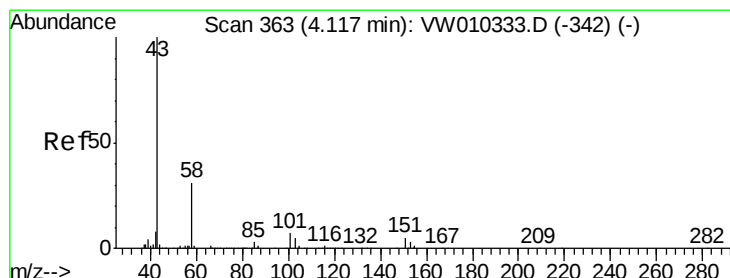
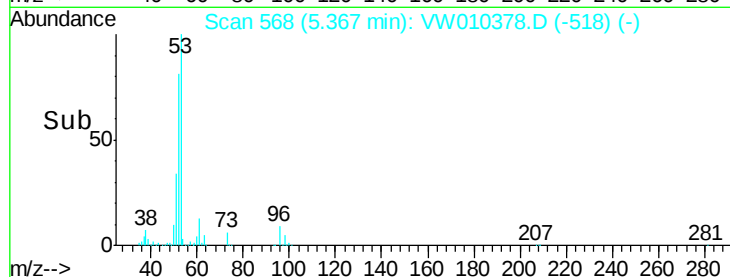
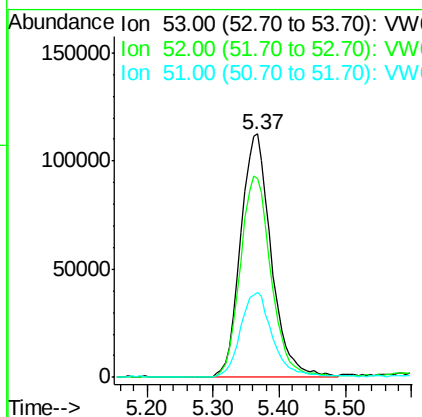
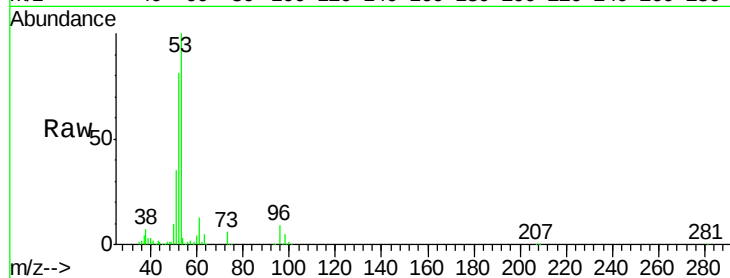
ClientSampleId :

VW0511SBS01

Tot Ion:	53	Resp:	363061
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	100.0
51	36.6	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 82.507 ug/l

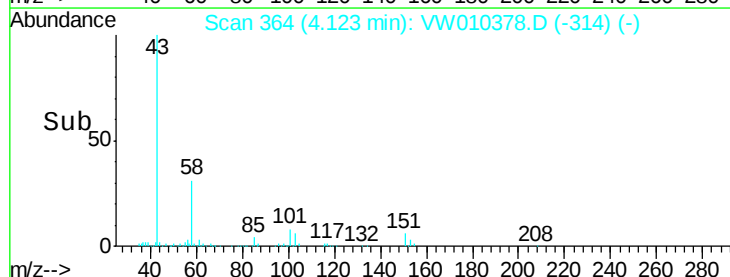
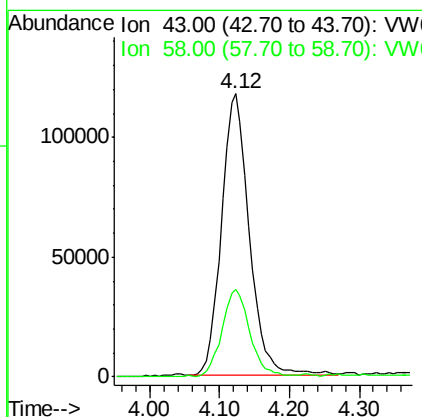
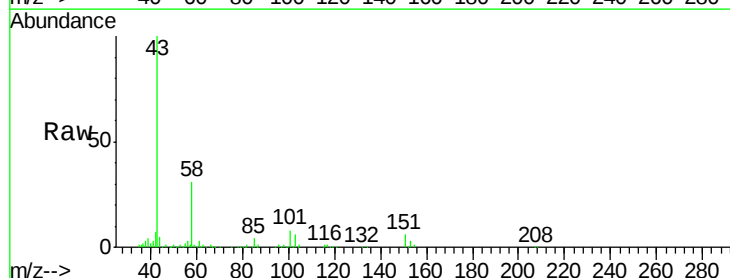
RT: 4.12 min Scan# 364

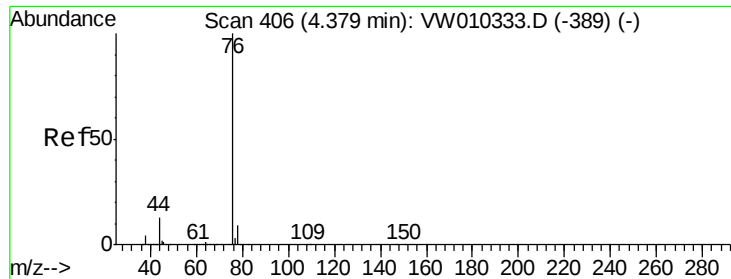
Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	43	Resp:	322404
Ion Ratio	Lower	Upper	
43	100		
58	30.9	22.7	34.1





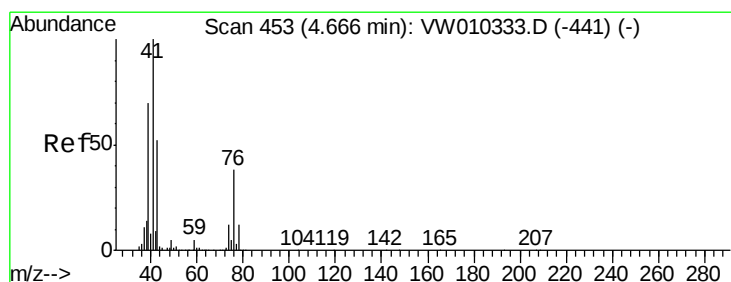
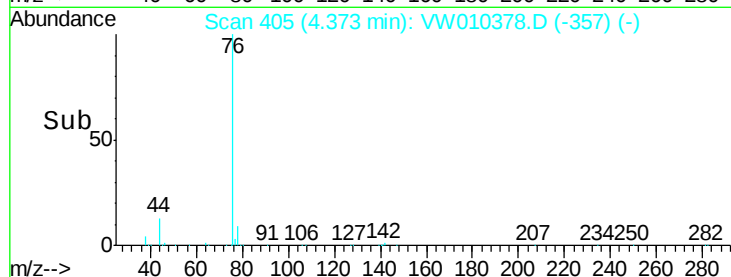
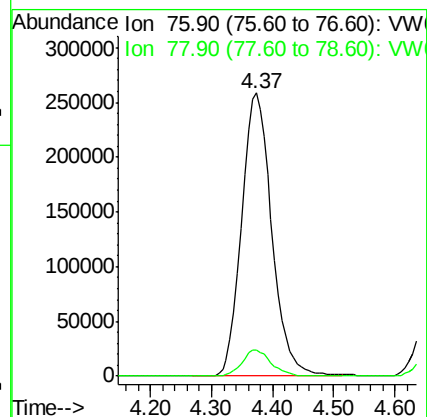
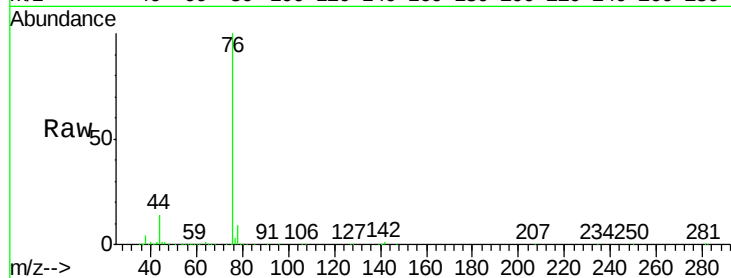
#17
Carbon Disulfide
Concen: 19.013 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

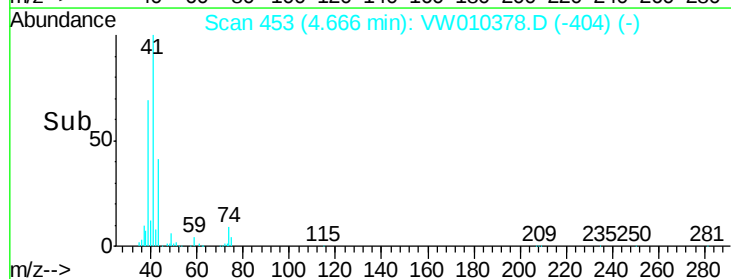
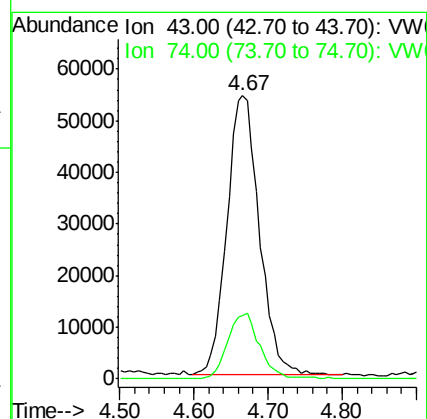
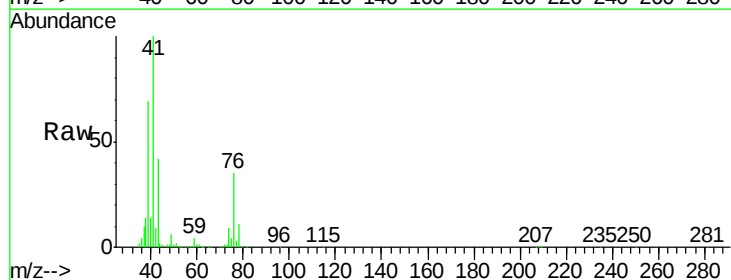
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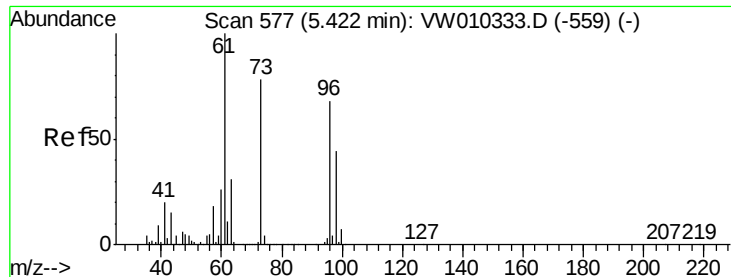
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#18
Methyl Acetate
Concen: 17.034 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	16.8	25.2





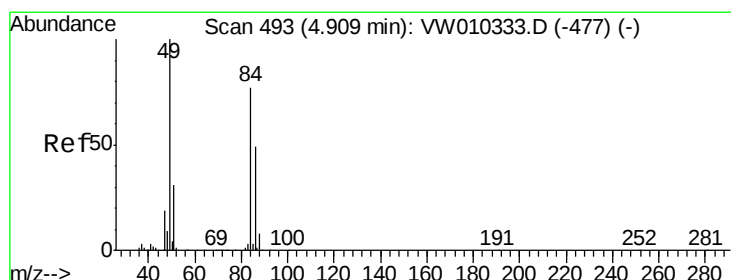
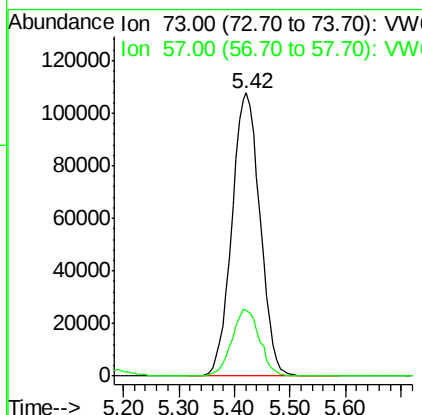
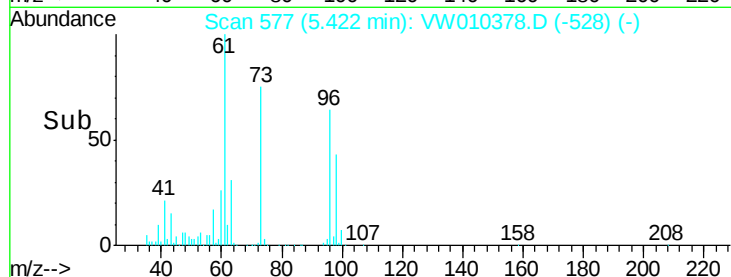
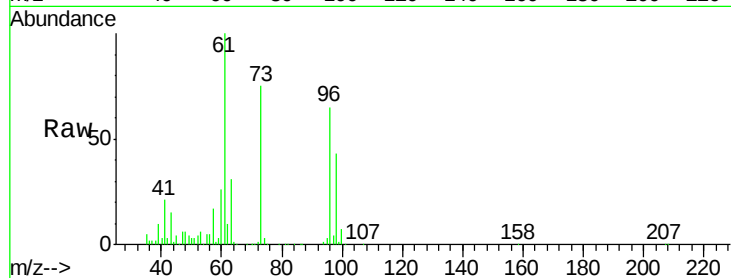
#19
Methvl tert-butvl Ether
Concen: 20.553 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion: 73 Resp: 376164
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

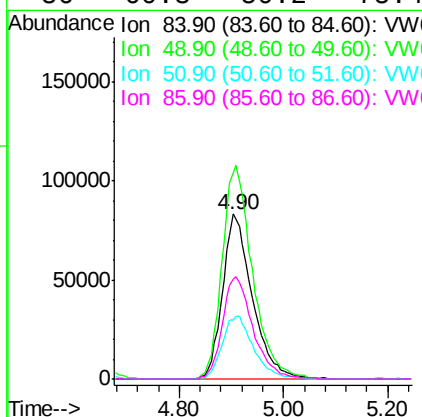
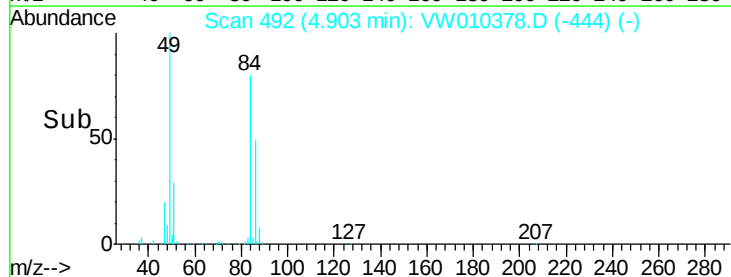
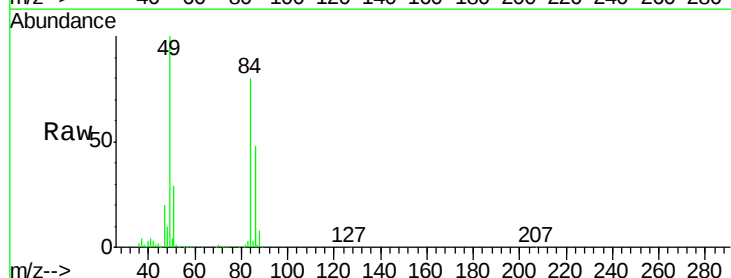
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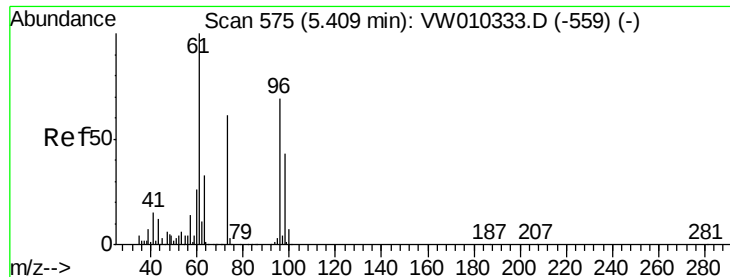
MMDadoda
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#20
Methylene Chloride
Concen: 20.362 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 84 Resp: 331864
Ion Ratio Lower Upper
84 100
49 125.2 112.3 168.5
51 36.1 33.9 50.9
86 60.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.511 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

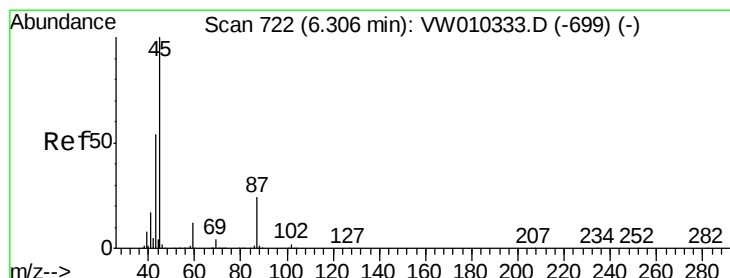
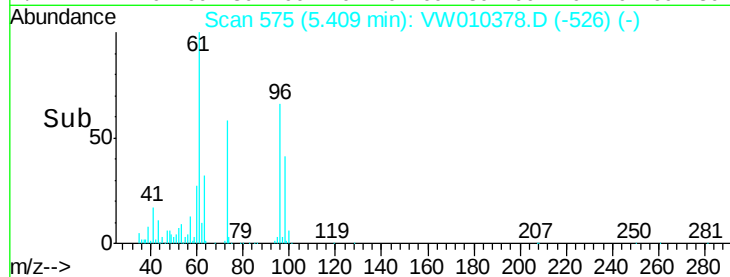
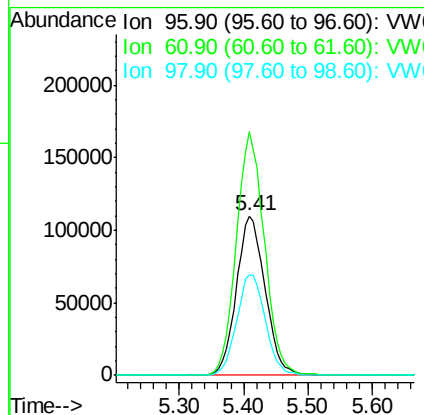
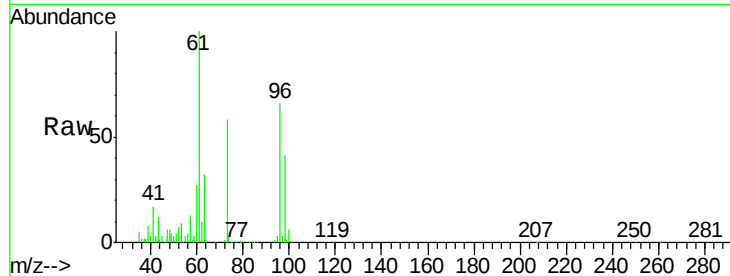
ClientSampleId :

VW0511SBS01

Tot Ion:	96	Resp:	339432
Ion Ratio	Lower	Upper	
96	100		
61	152.5	122.3	183.5
98	63.2	50.5	75.7

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#22

Diisopropyl ether

Concen: 23.095 ug/l

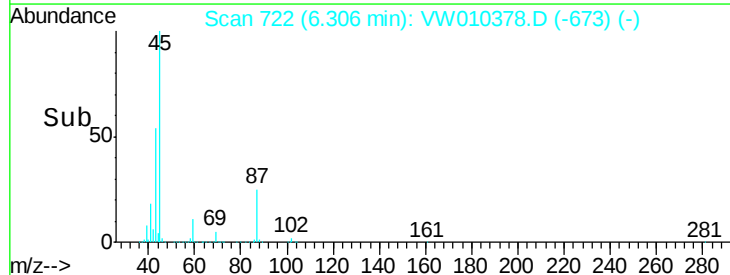
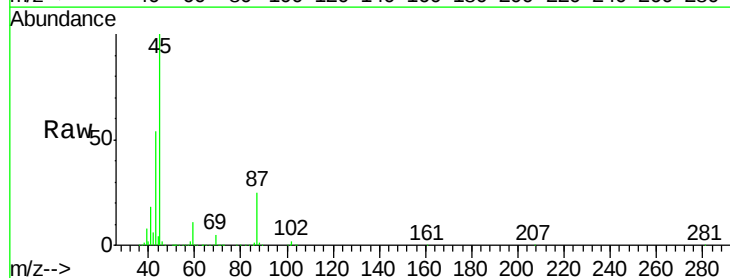
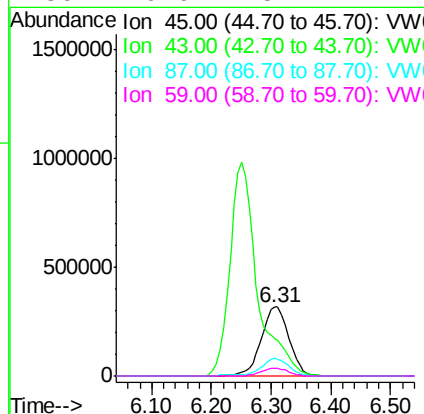
RT: 6.31 min Scan# 722

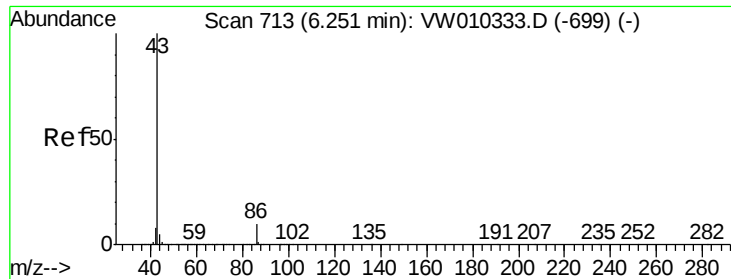
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	45	Resp:	1028625
Ion Ratio	Lower	Upper	
45	100		
43	54.2	46.1	69.1
87	25.3	18.3	27.5
59	10.9	8.2	12.4





#23

Vinyl Acetate

Concen: 102.940 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 43 Resp: 3148202

Ion Ratio Lower Upper

43 100

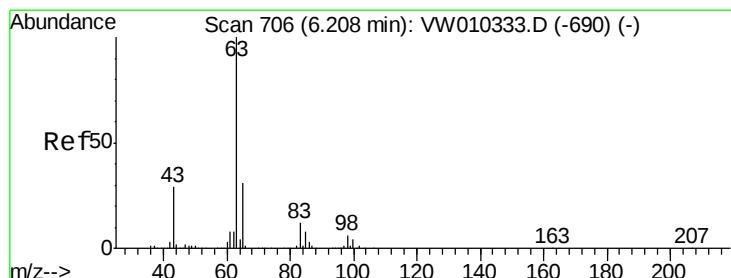
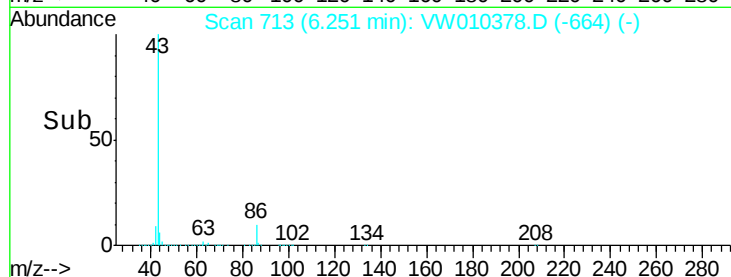
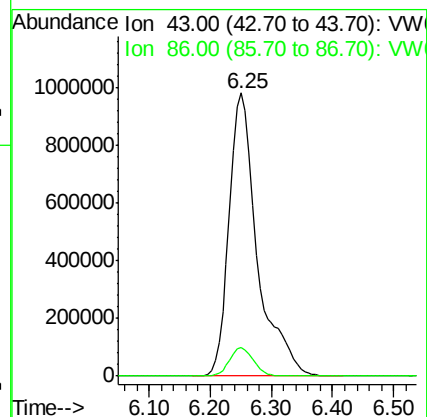
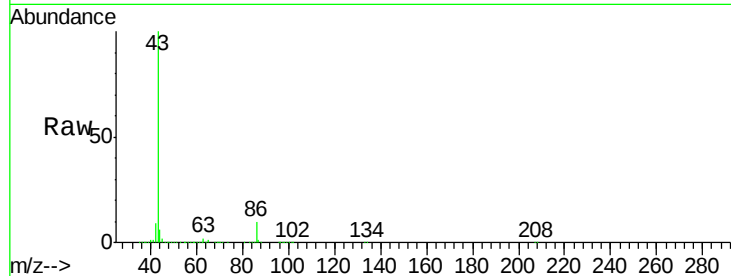
86 9.9 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.126 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

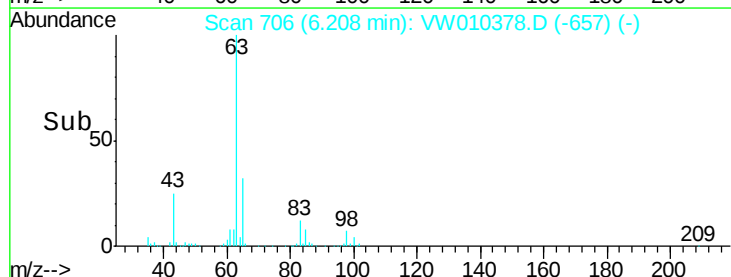
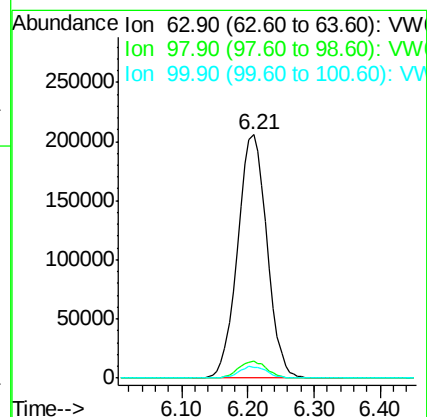
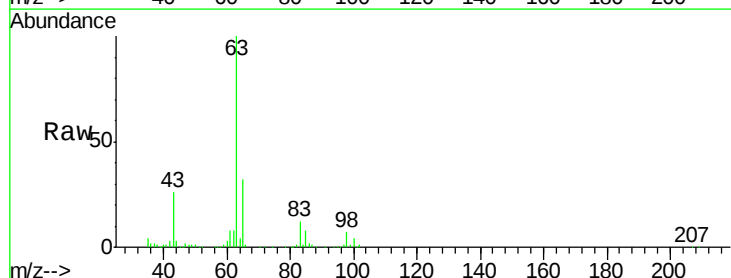
Tgt Ion: 63 Resp: 633487

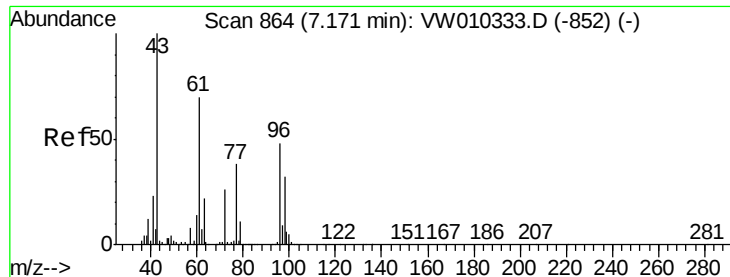
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 80.986 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 43 Resp: 484123

Ion Ratio Lower Upper

43 100

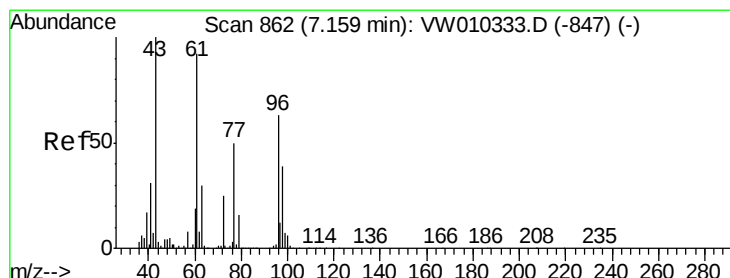
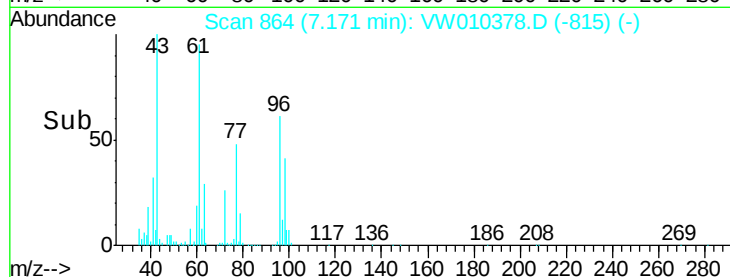
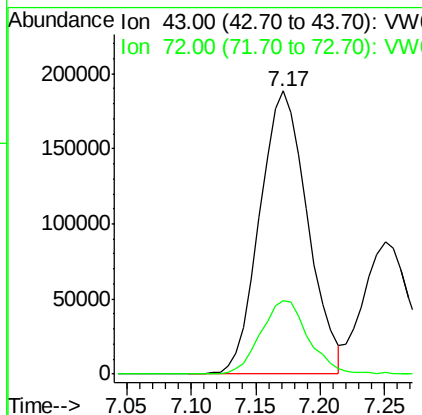
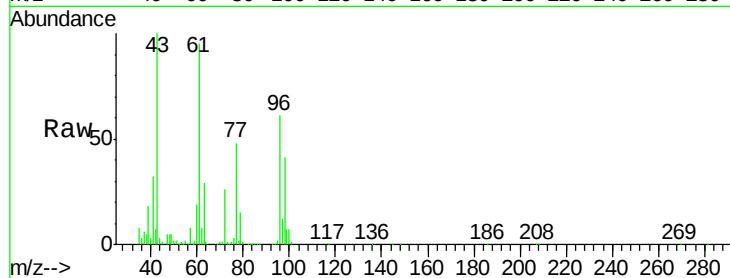
72 25.9 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.248 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010378.D

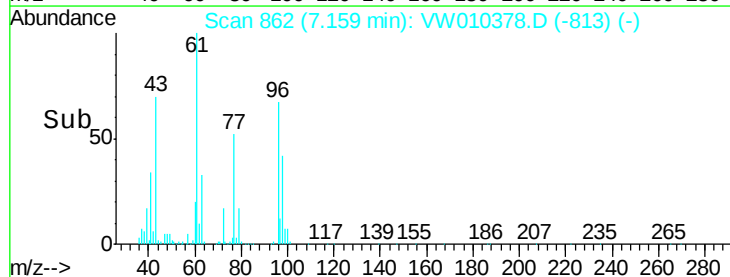
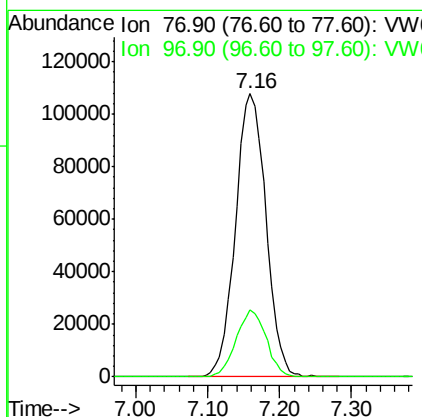
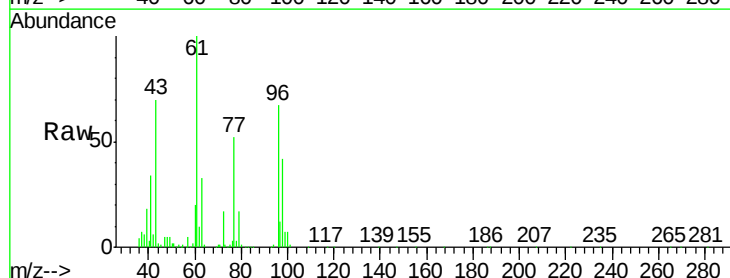
Acq: 11 May 2019 13:47

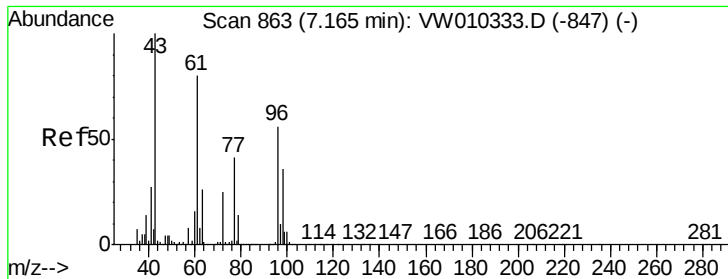
Tgt Ion: 77 Resp: 317005

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9





#27

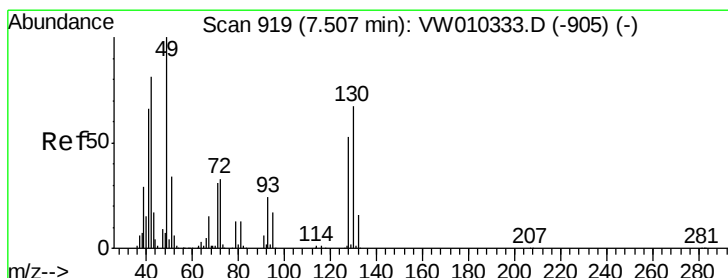
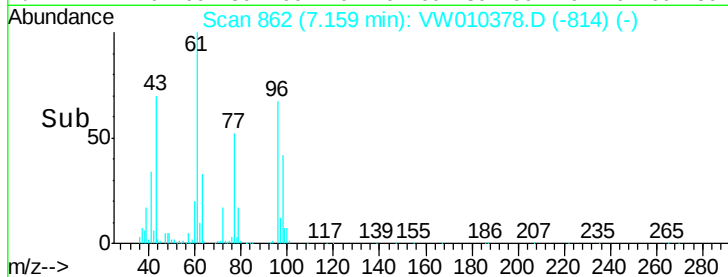
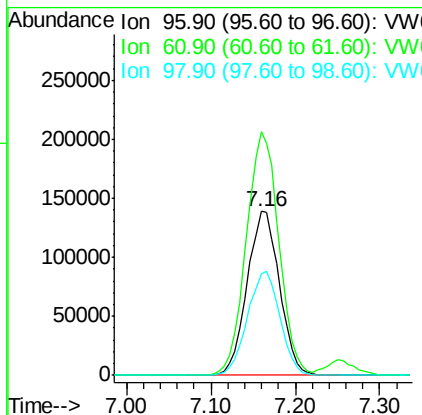
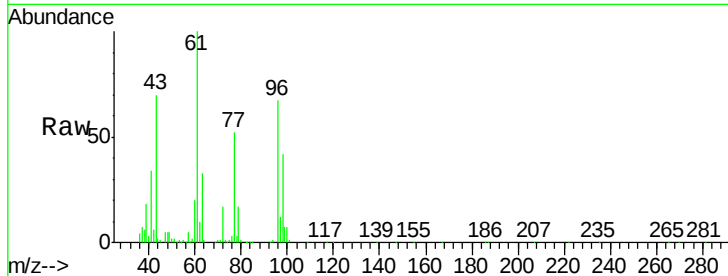
cis-1,2-Dichloroethene
Concen: 21.267 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	361946		
61	149.1	0.0	309.4	
98	64.0	0.0	128.6	

Manual Integrations
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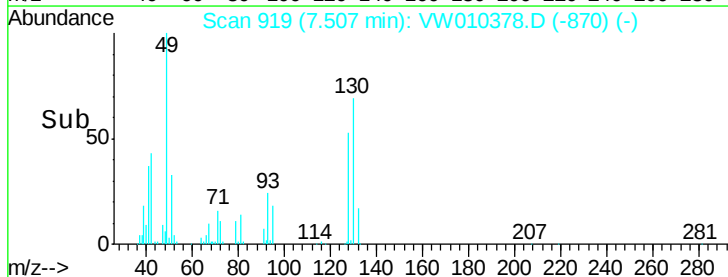
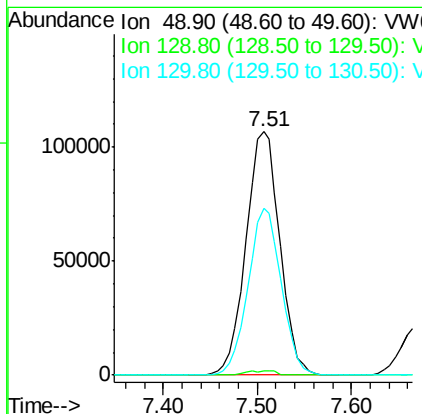
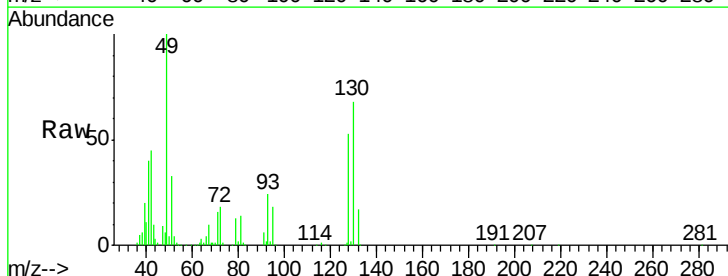
MMDadoda
5/13/2019 3:44:08 AM

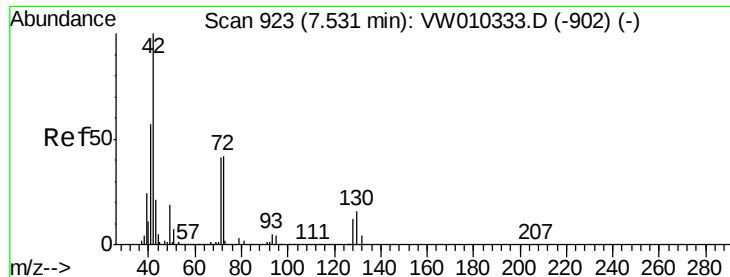


#28

Bromochloromethane
Concen: 24.413 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	269893		
129	1.5	0.0	3.8	
130	67.2	54.6	82.0	





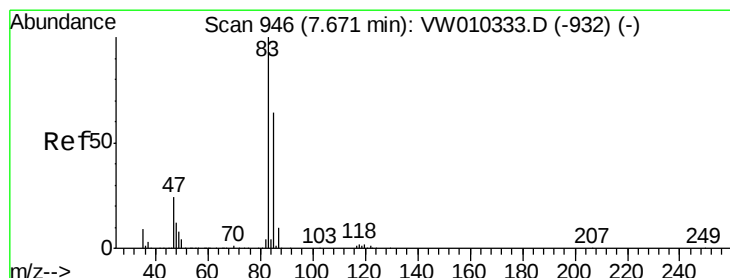
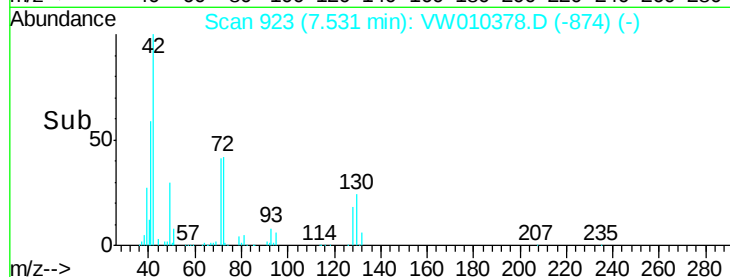
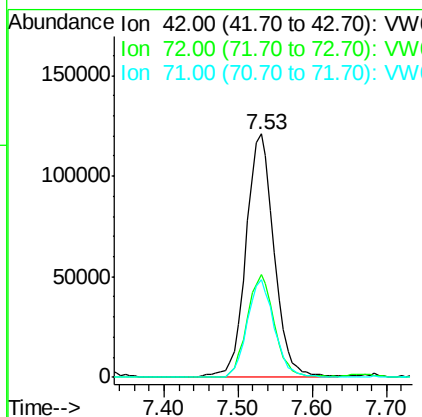
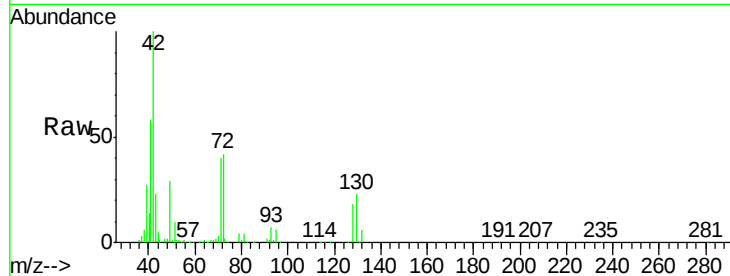
#29
Tetrahydrofuran
Concen: 82.400 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.0	46.6
71	39.1	29.7	44.5

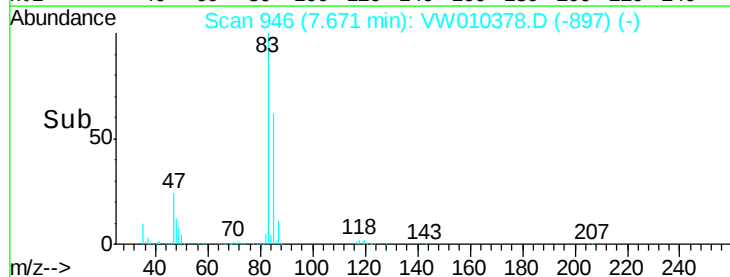
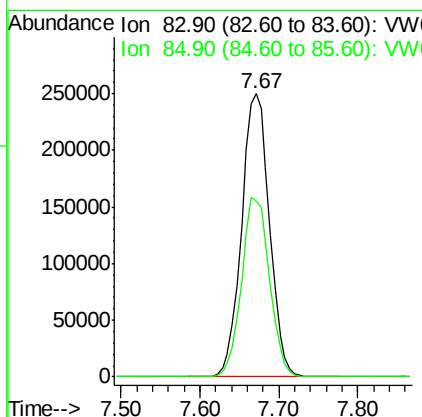
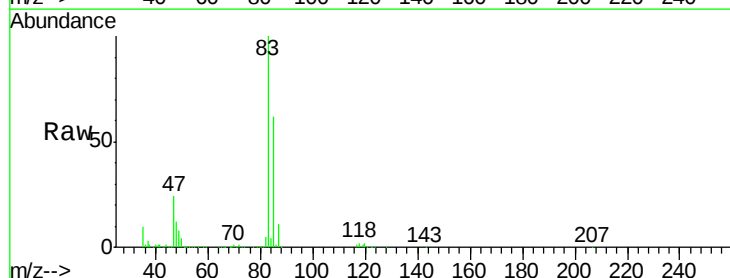
Manual Integrations
APPROVED

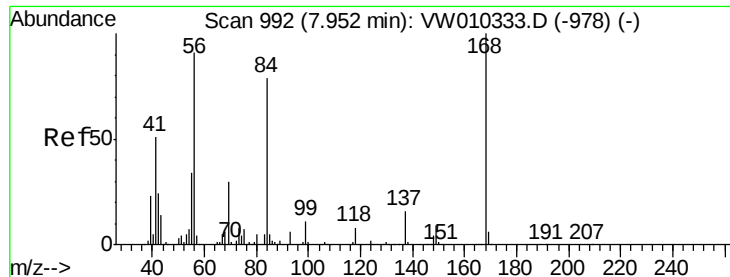
MMDadoda
5/13/2019 3:44:08 AM



#30
Chloroform
Concen: 21.822 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.7	76.1





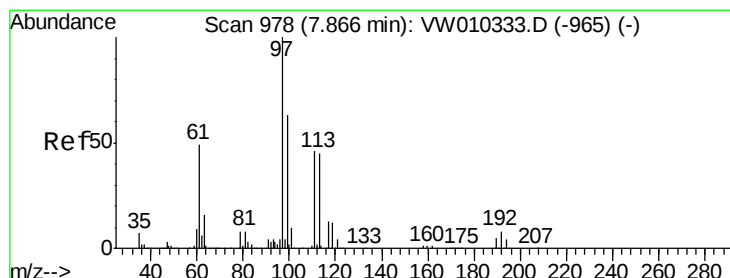
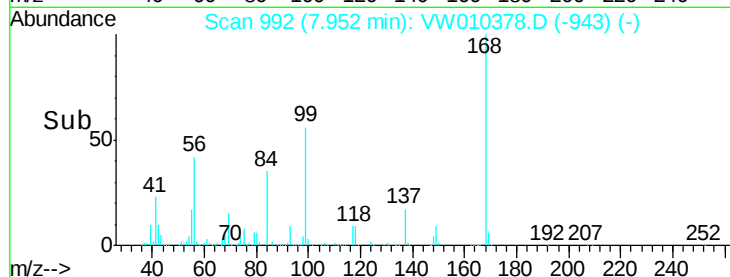
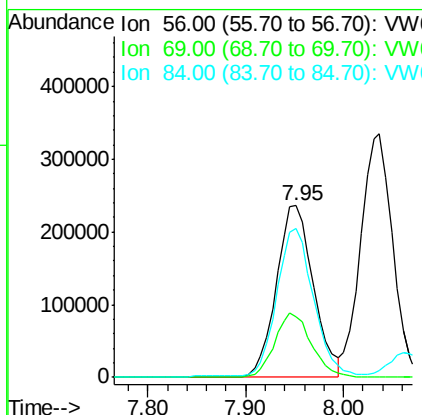
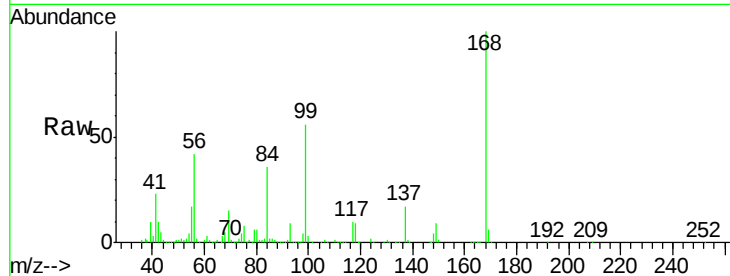
#31
Cyclohexane
Concen: 20.312 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.6	40.0
84	86.8	66.2	99.2

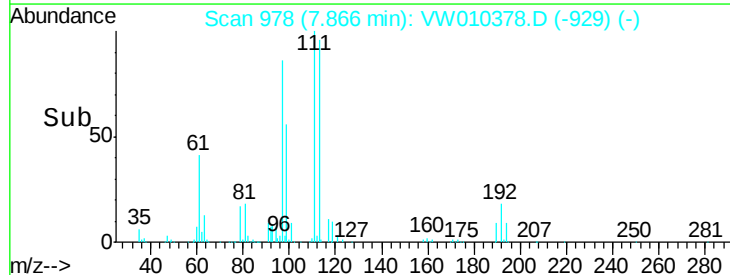
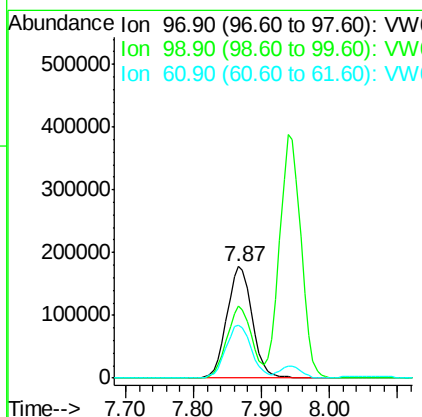
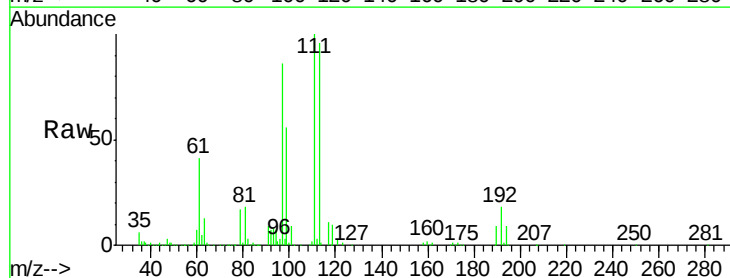
Manual Integrations
APPROVED

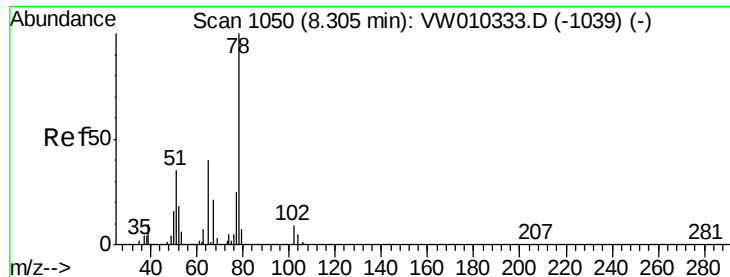
MMDadoda
5/13/2019 3:44:08 AM



#32
1,1,1-Trichloroethane
Concen: 21.046 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.2	75.2
61	47.9	38.2	57.2





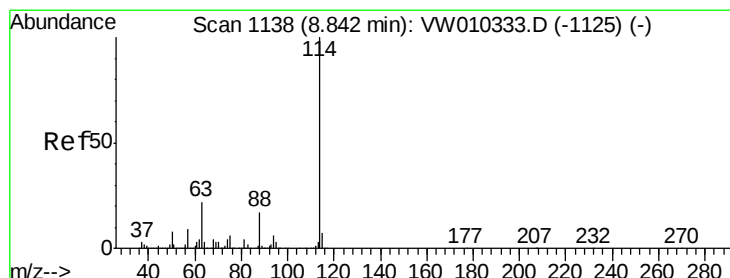
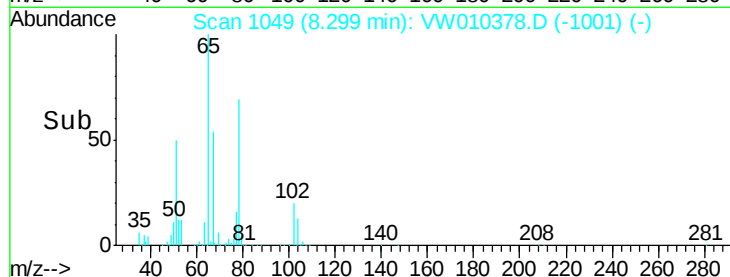
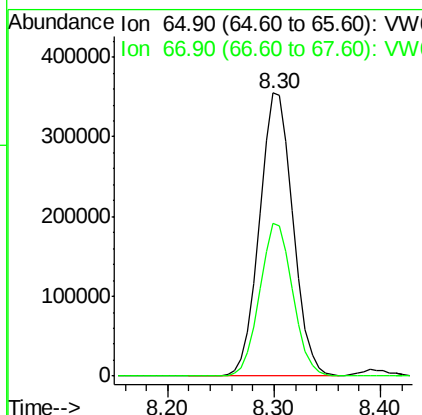
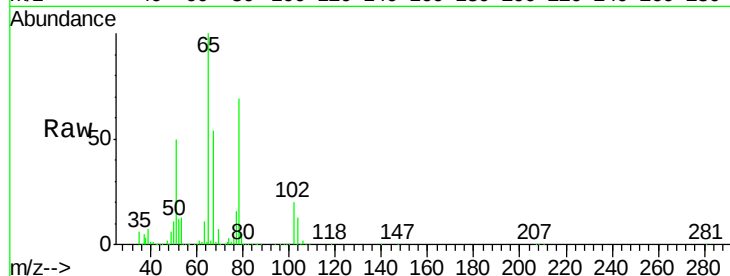
#33
 1,2-Dichloroethane-d4
 Concen: 52.148 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	781665		
67	53.0	0.0	100.8	

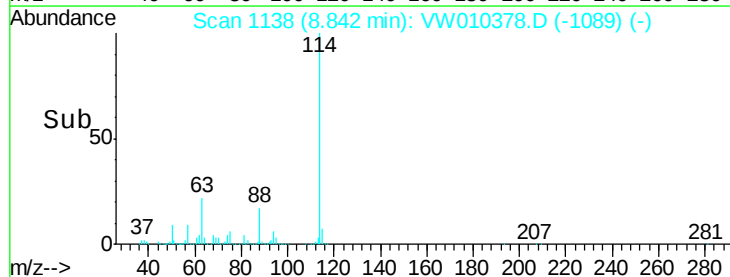
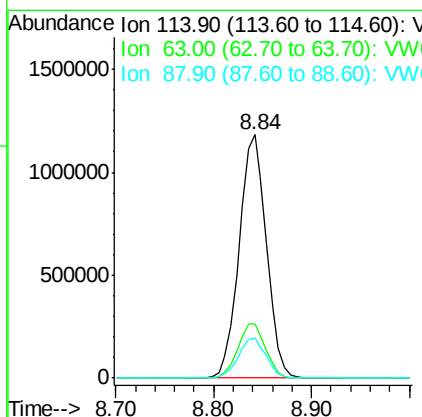
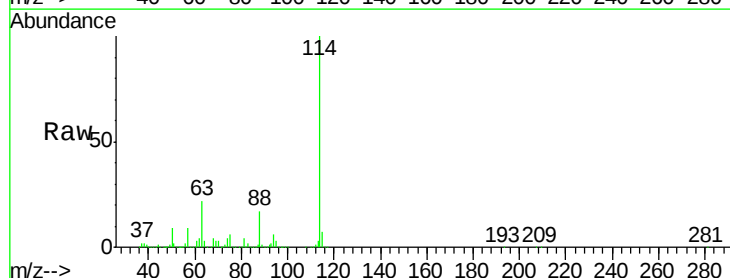
Manual Integrations
 APPROVED

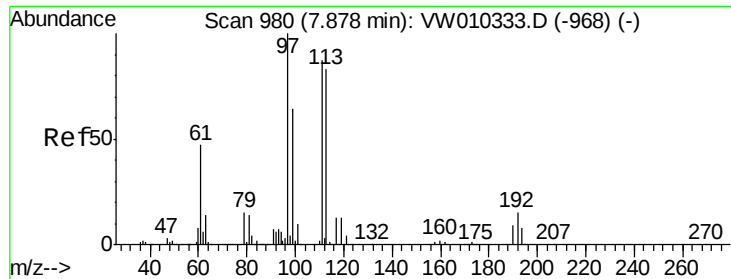
MMDadoda
 5/13/2019 3:44:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2273513		
63	22.1	0.0	46.2	
88	16.7	0.0	32.6	





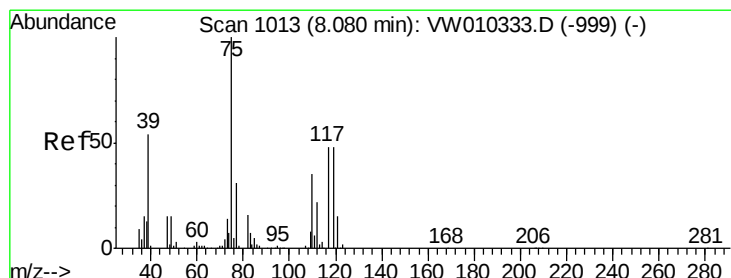
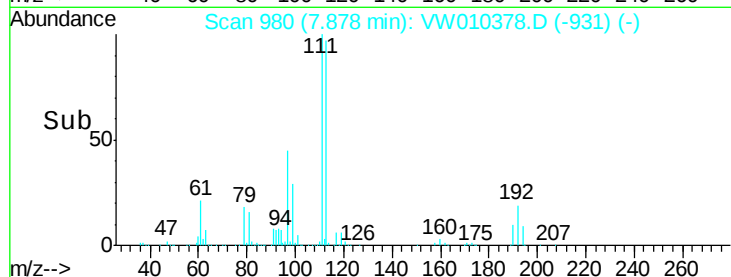
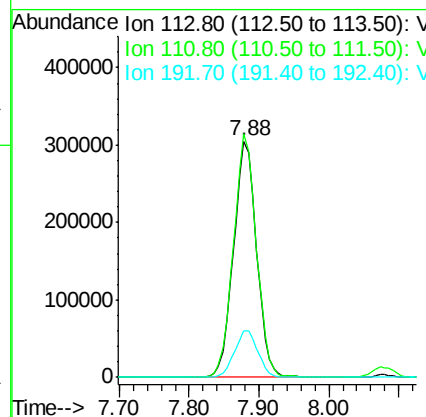
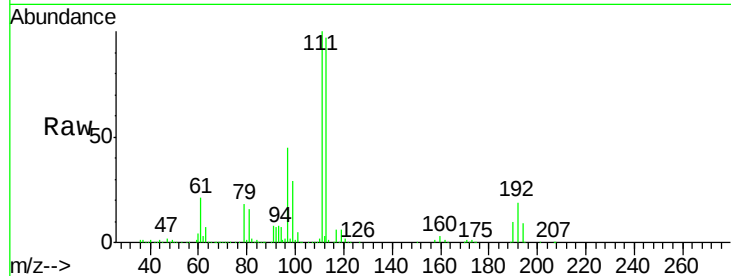
#35
 Dibromofluoromethane
 Concen: 52.463 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	697987		
111	102.4	82.6	123.8	
192	20.0	15.4	23.2	

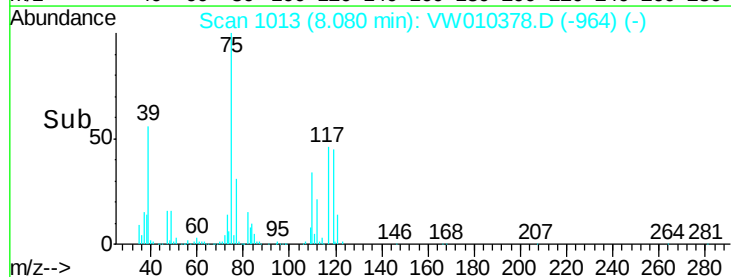
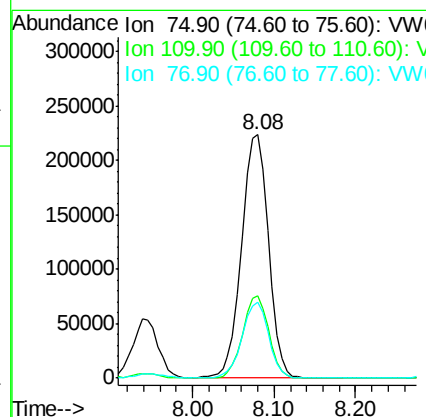
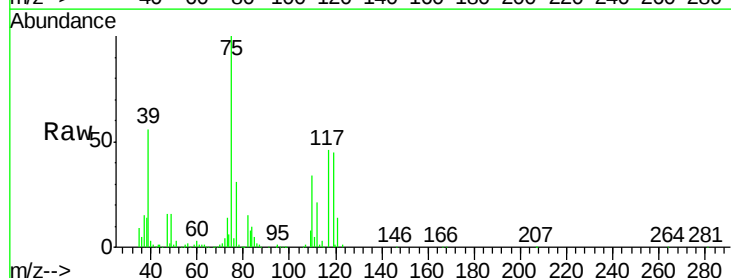
Manual Integrations
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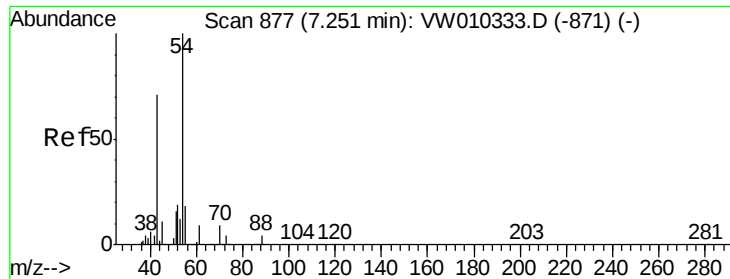
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#36
 1,1-Dichloropropene
 Concen: 20.704 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	510367		
110	32.7	16.6	49.8	
77	30.7	24.8	37.2	





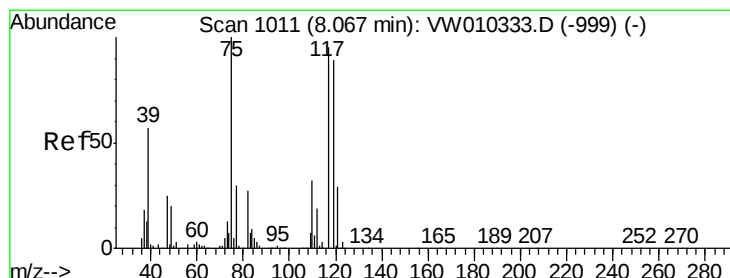
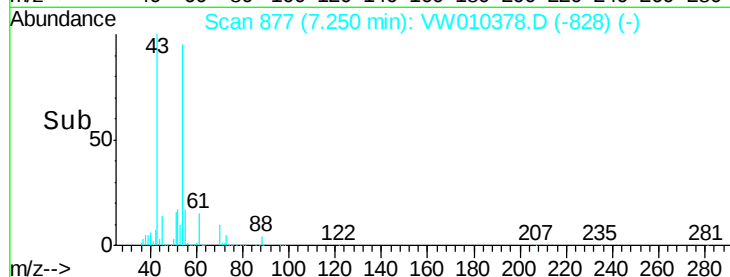
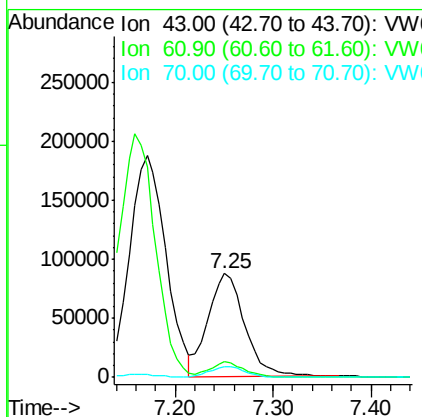
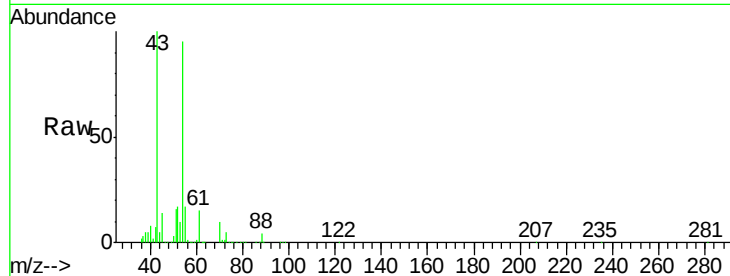
#37
Ethyl Acetate
Concen: 17.239 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.8
70	10.0	7.4	11.0

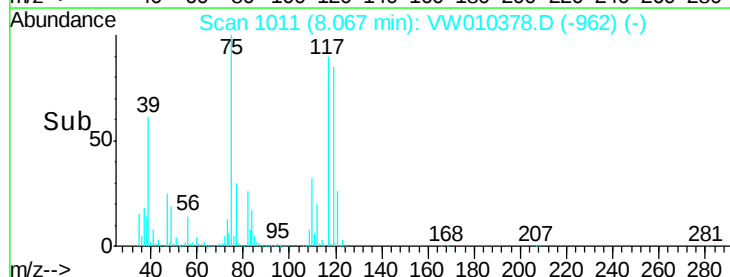
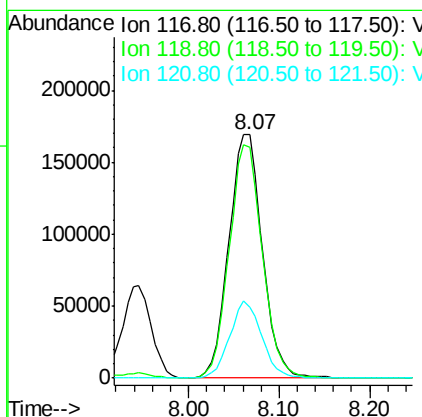
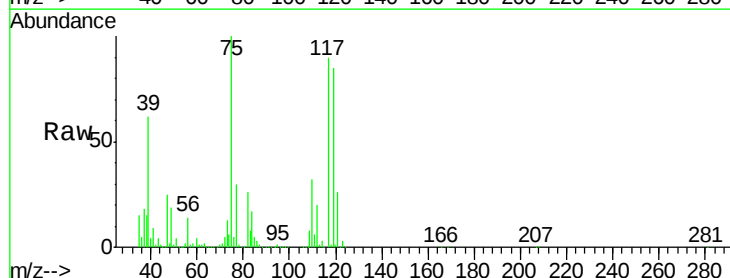
Manual Integrations
APPROVED

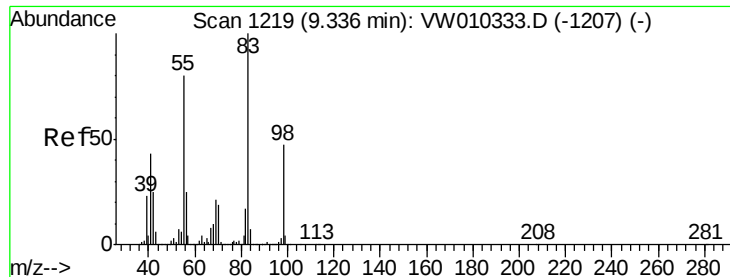
MMDadoda
5/13/2019 3:44:08 AM



#38
Carbon Tetrachloride
Concen: 20.539 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.3	112.9
121	29.2	24.4	36.6





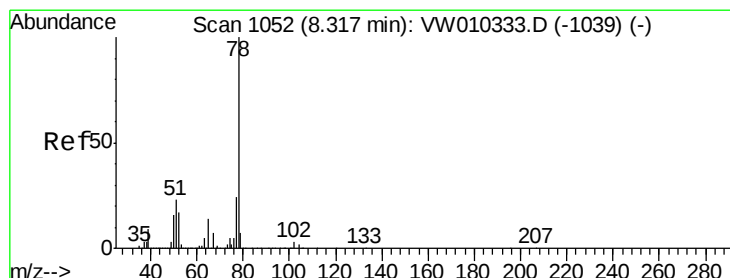
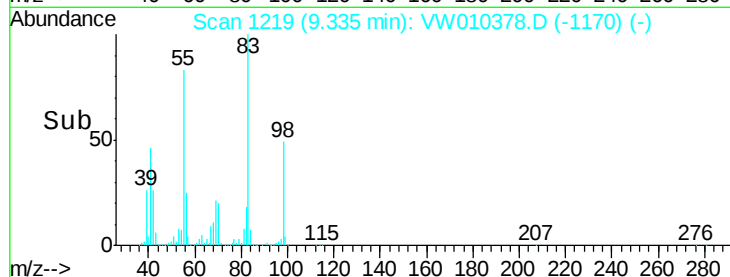
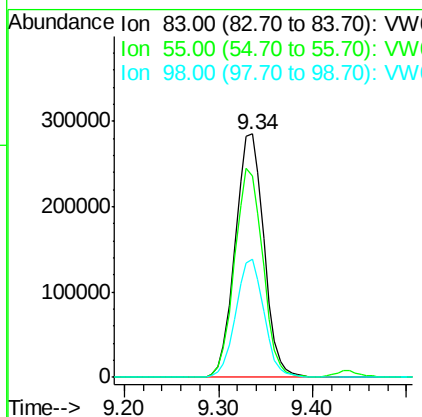
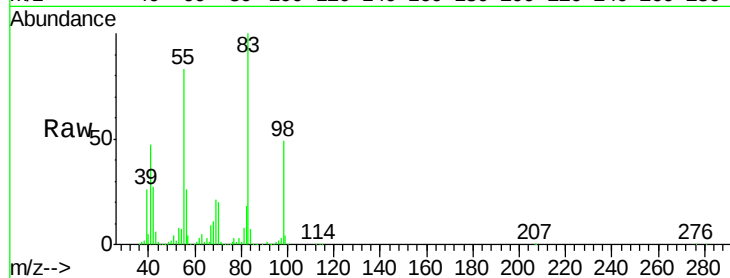
#39
Methvlcvclohexane
Concen: 20.110 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	67.1	100.7
98	48.8	39.2	58.8

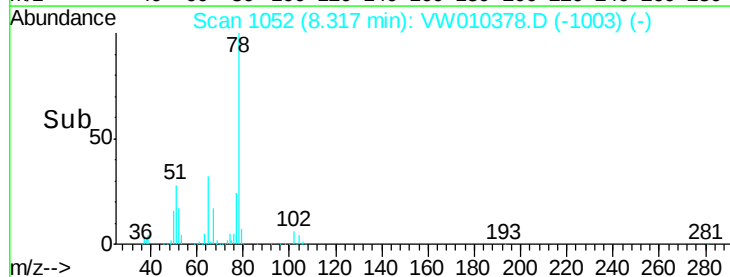
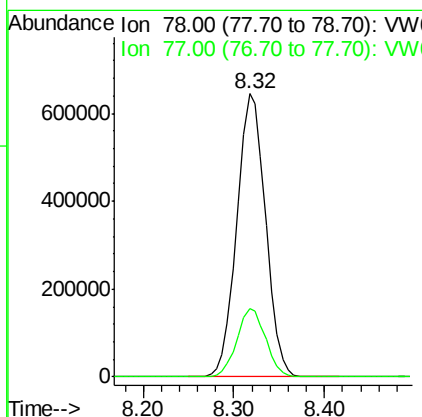
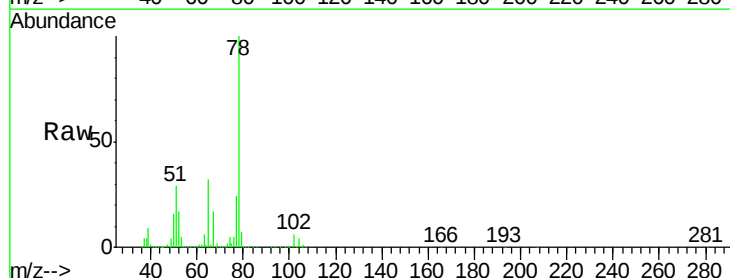
Manual Integrations
APPROVED

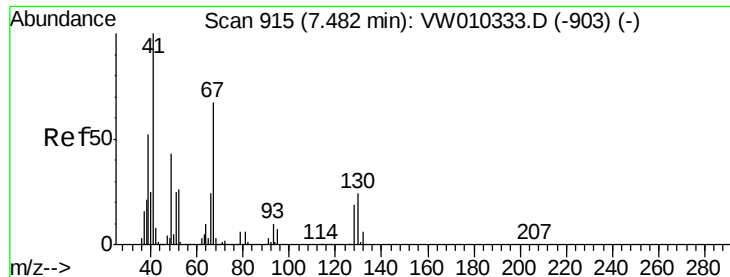
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#40
Benzene
Concen: 20.969 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





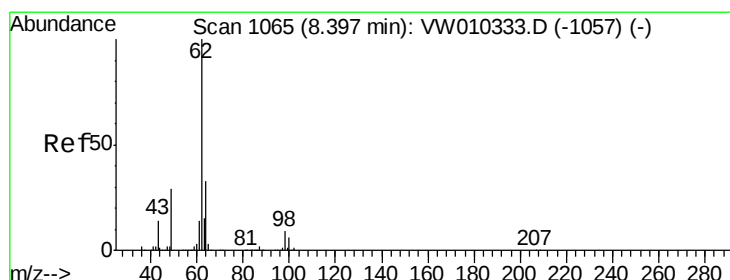
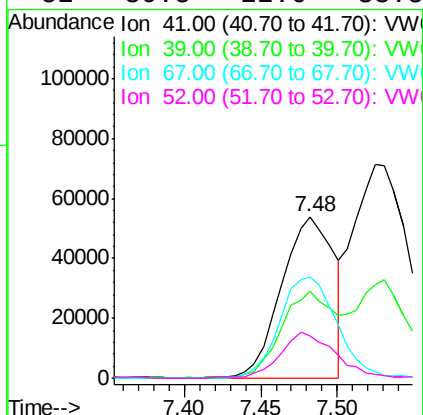
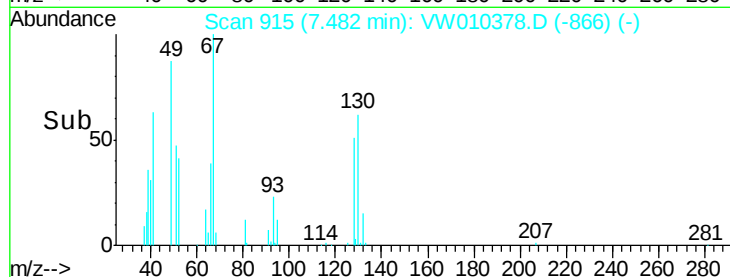
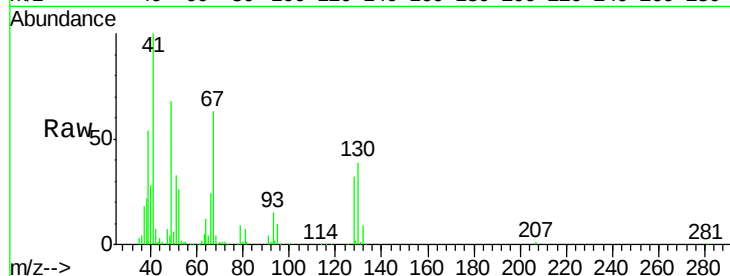
#41
Methacrylonitrile
Concen: 17.373 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		127881		
39	54.1	45.0	67.4		
67	69.7	50.7	76.1		
52	30.8	22.6	33.8		

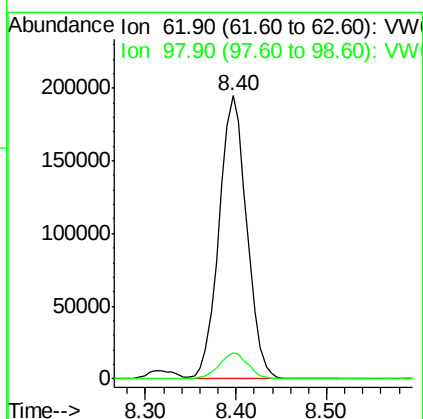
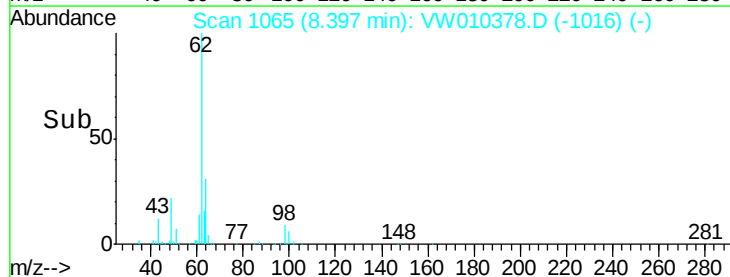
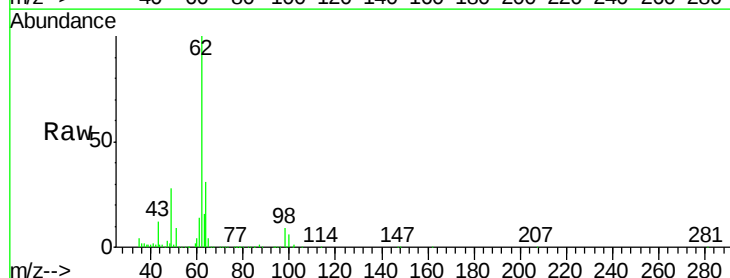
Manual Integrations
APPROVED

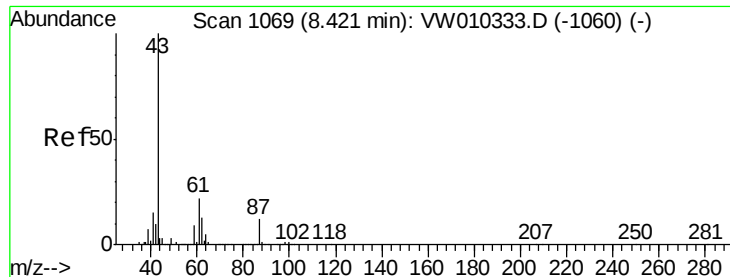
MMDadoda
5/13/2019 3:44:08 AM



#42
1,2-Dichloroethane
Concen: 21.456 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		414621		
98	9.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 18.420 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

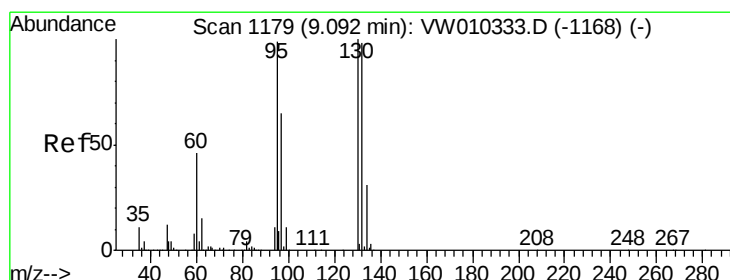
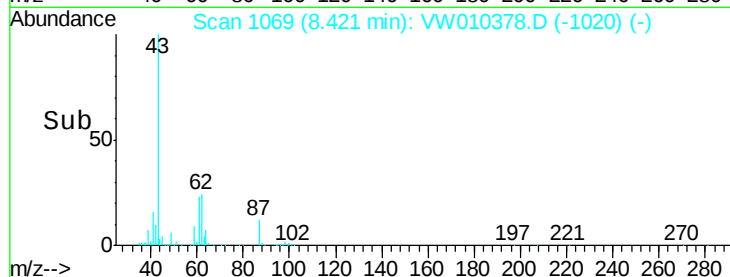
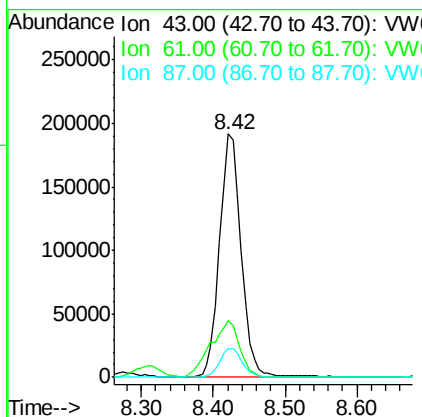
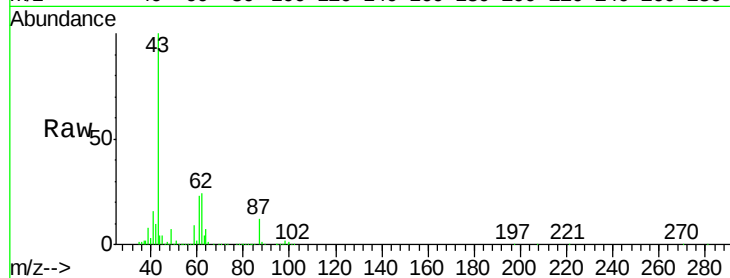
ClientSampleId :

VW0511SBS01

Tot Ion:	43	Resp:	400967
Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.0	34.6
87	12.2	9.3	13.9

Manual Integrations
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5/13/2019 3:44:08 AM



#44

Trichloroethene

Concen: 20.605 ug/l

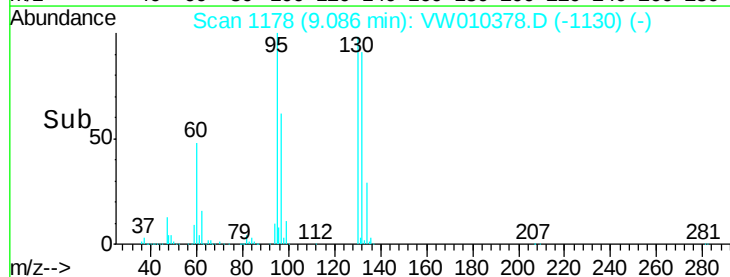
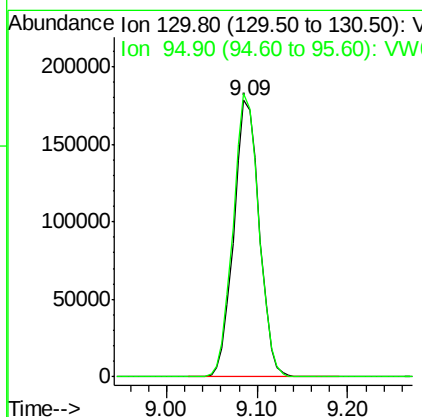
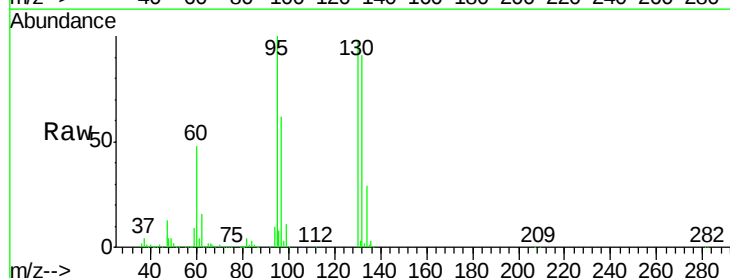
RT: 9.09 min Scan# 1178

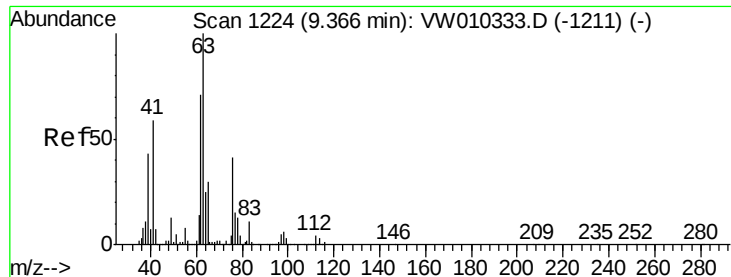
Delta R.T. -0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	130	Resp:	348253
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.4





#45

1,2-Dichloropropane

Concen: 21.638 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 63 Resp: 363107

Ion Ratio Lower Upper

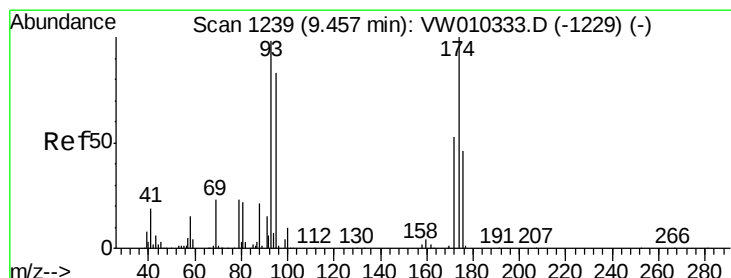
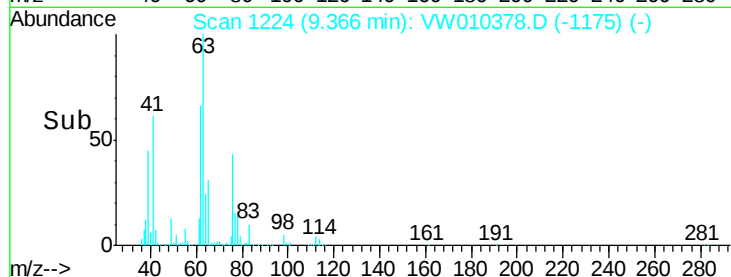
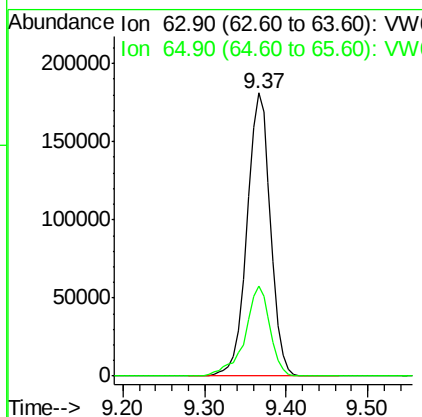
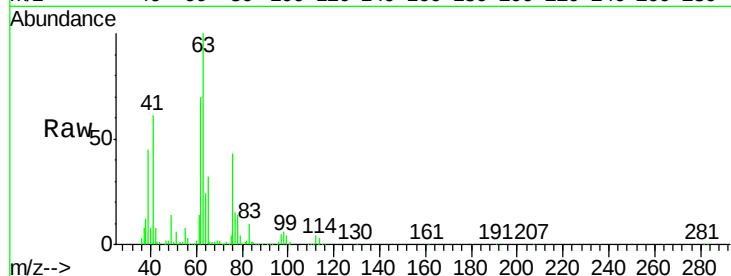
63 100

65 31.9 23.8 35.6

Manual Integrations
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MMDadoda

5/13/2019 3:44:08 AM



#46

Dibromomethane

Concen: 20.032 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

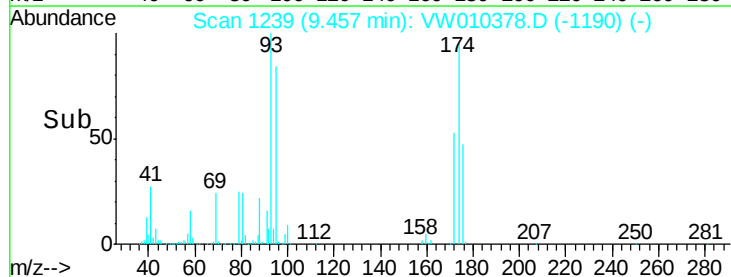
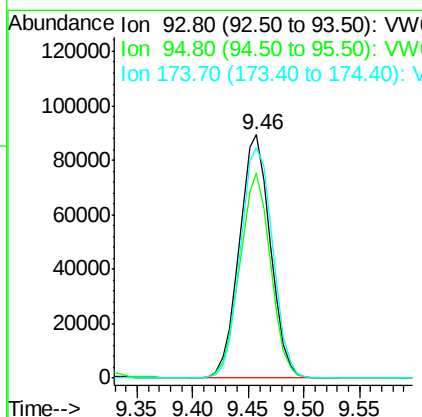
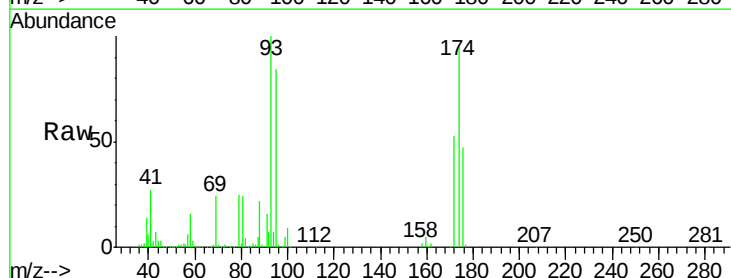
Tgt Ion: 93 Resp: 173666

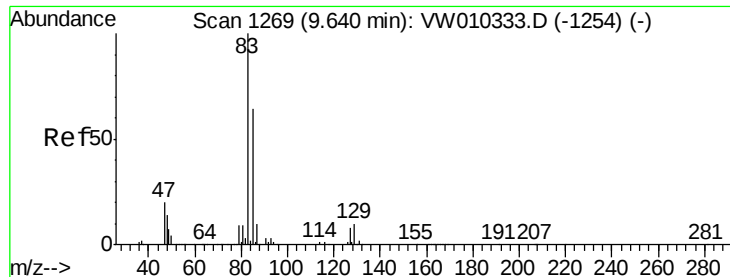
Ion Ratio Lower Upper

93 100

95 83.7 65.8 98.8

174 98.5 75.5 113.3





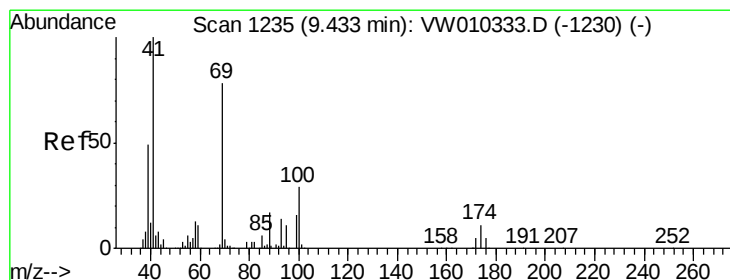
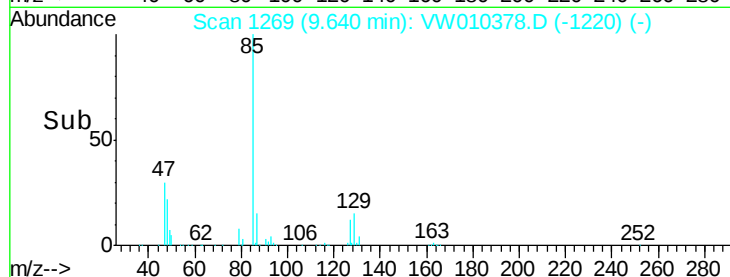
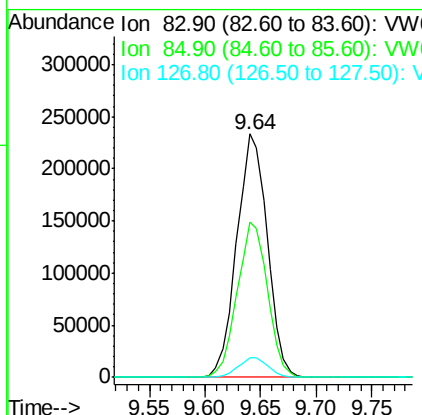
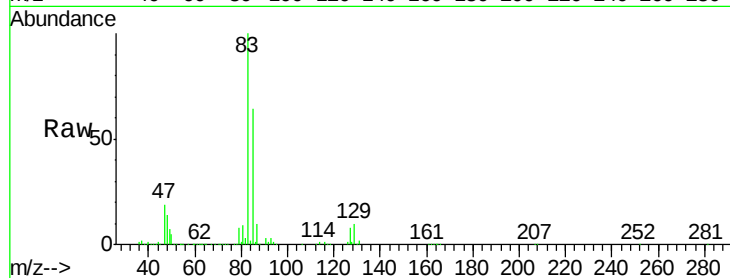
#47
Bromodichloromethane
Concen: 21.369 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	444385		
85	63.8	50.6	75.8	
127	7.8	6.6	10.0	

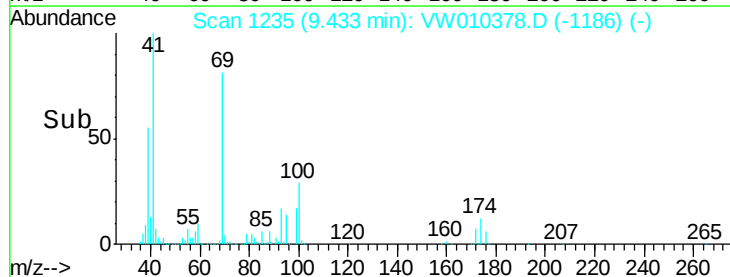
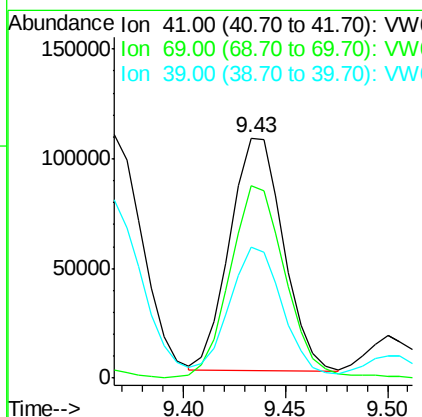
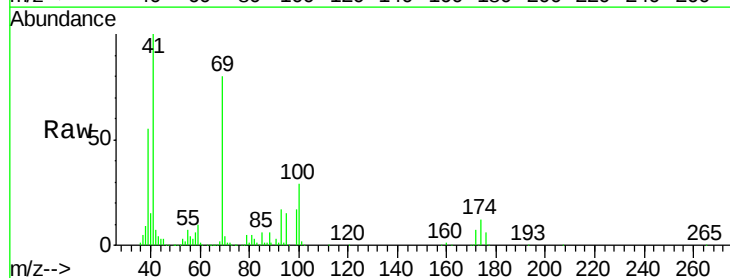
Manual Integrations
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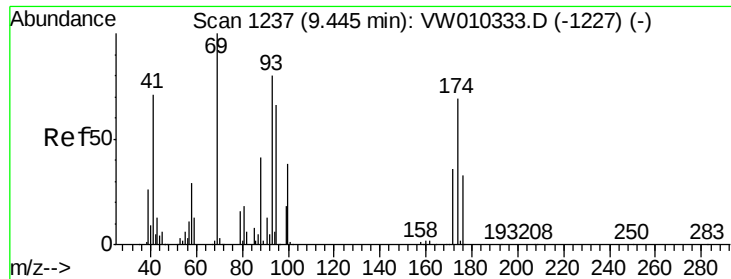
MMDadoda
5/13/2019 3:44:08 AM



#48
Methyl methacrylate
Concen: 18.744 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	192920		
69	85.3	60.1	90.1	
39	52.7	51.0	76.6	





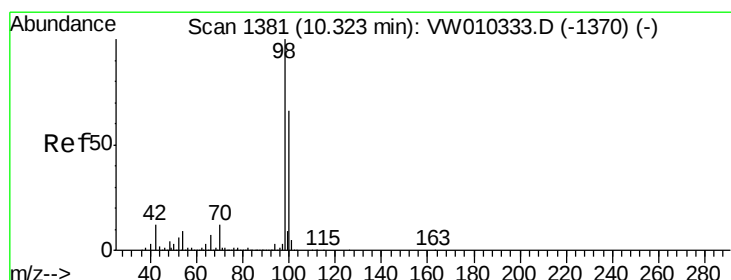
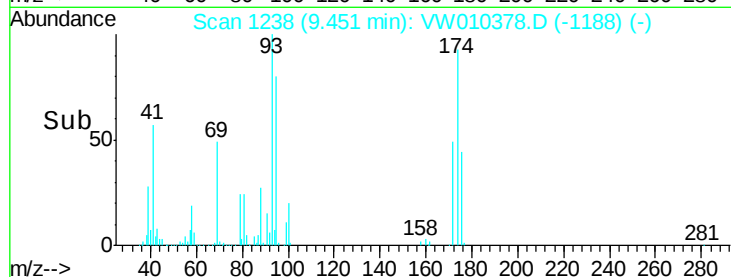
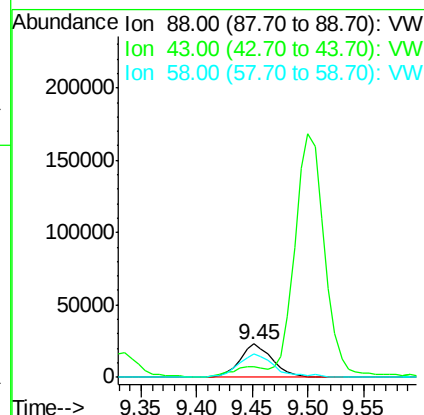
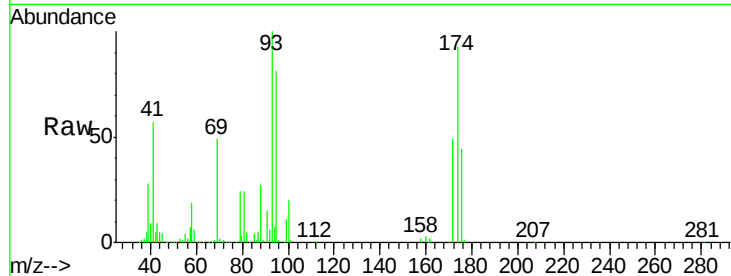
#49
1,4-Dioxane
Concen: 312.260 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	88	Resp	47209
Ion Ratio	Lower	Upper	
88	100		
43	31.2	31.9	47.9#
58	80.1	61.8	92.6

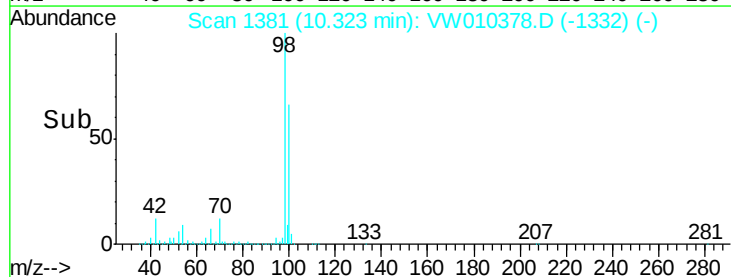
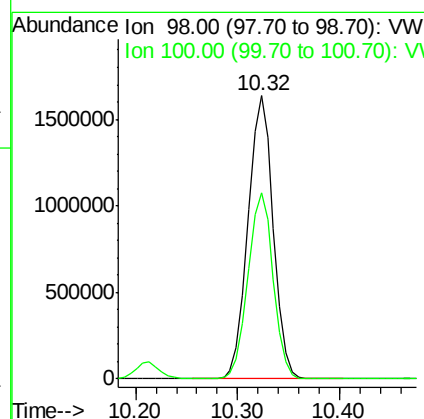
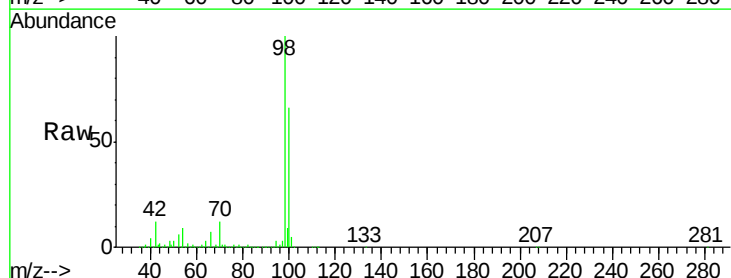
Manual Integrations
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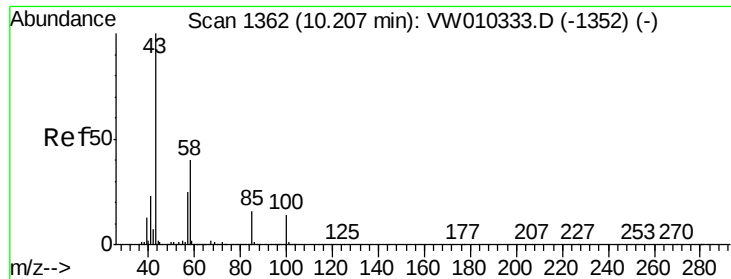
MMDadoda
5/13/2019 3:44:08 AM



#50
Toluene-d8
Concen: 51.823 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	98	Resp	2807546
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 88.839 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 43 Resp: 1108861

Ion Ratio Lower Upper

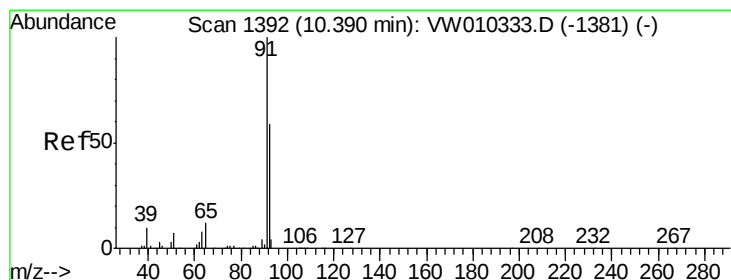
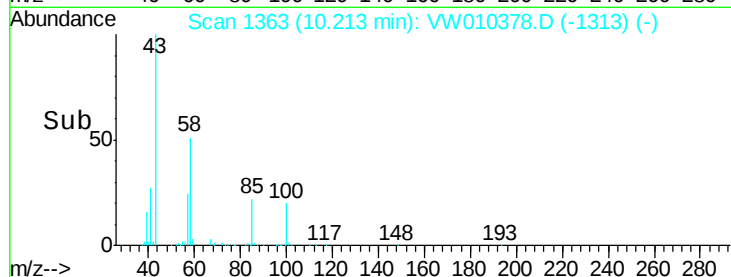
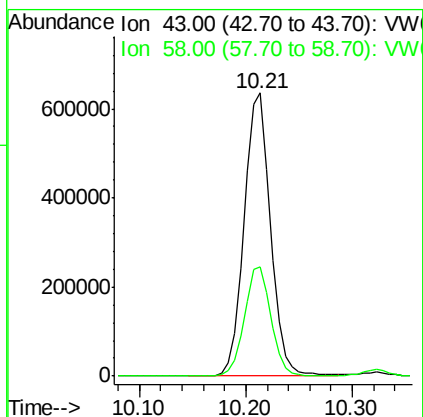
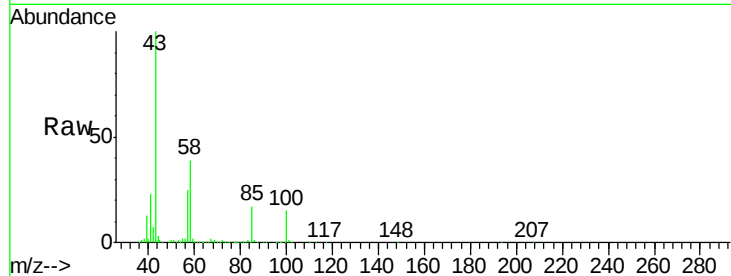
43 100

58 38.8 28.9 43.3

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:08 AM



#52

Toluene

Concen: 21.352 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010378.D

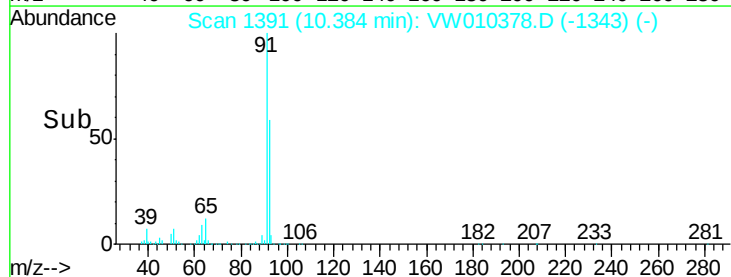
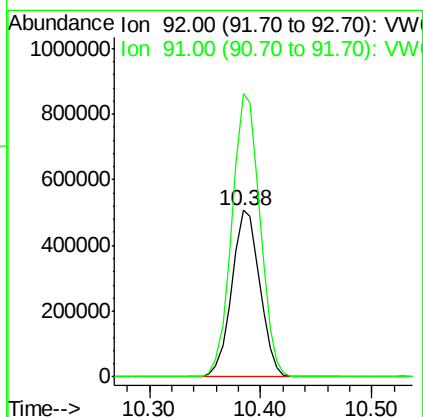
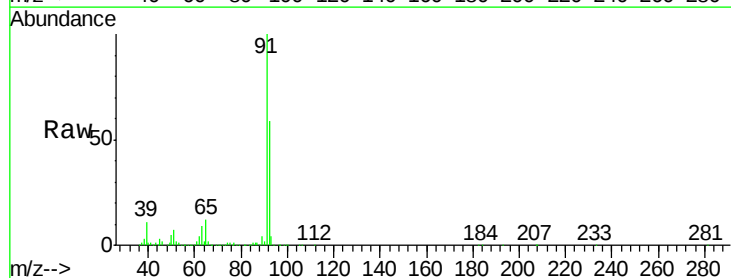
Acq: 11 May 2019 13:47

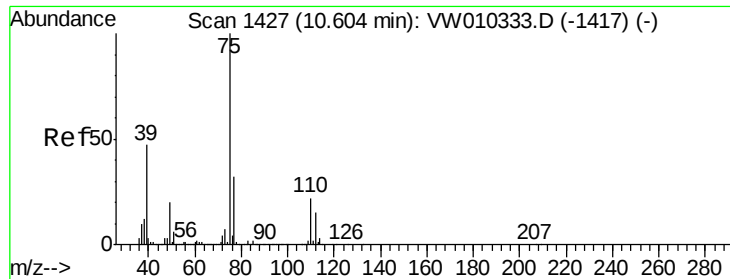
Tgt Ion: 92 Resp: 881045

Ion Ratio Lower Upper

92 100

91 171.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 20.984 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBS01

Tot Ion: 75 Resp: 442015

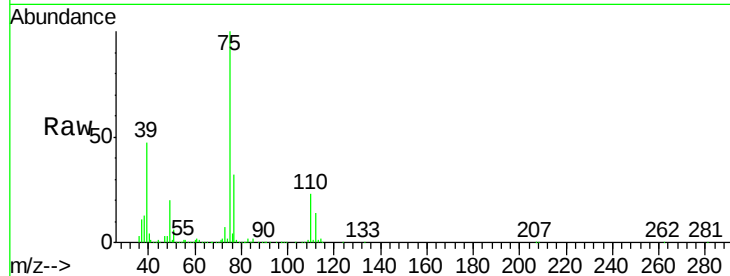
Ion Ratio Lower Upper

75 100

77 31.9 26.9 40.3

Manual Integrations
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MMDadoda
5/13/2019 3:44:08 AM



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

250000

200000

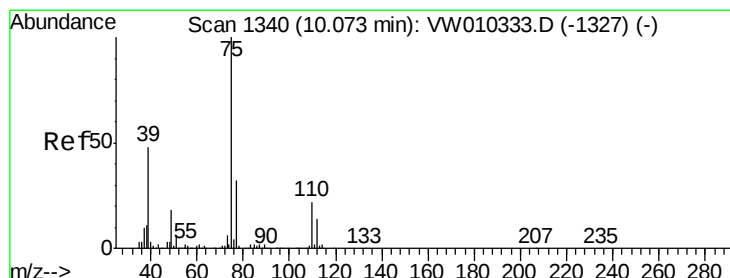
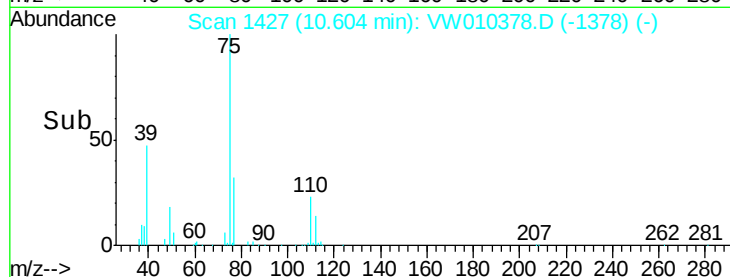
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.295 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

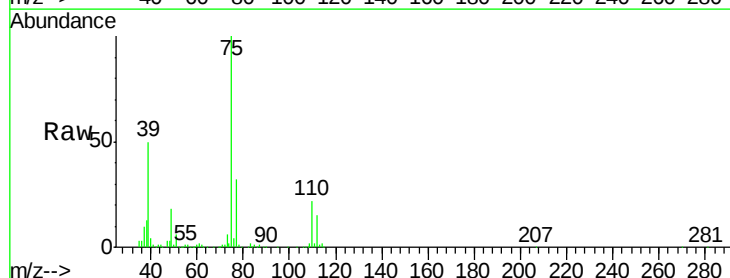
Tgt Ion: 75 Resp: 531223

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 49.7 47.8 71.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

400000

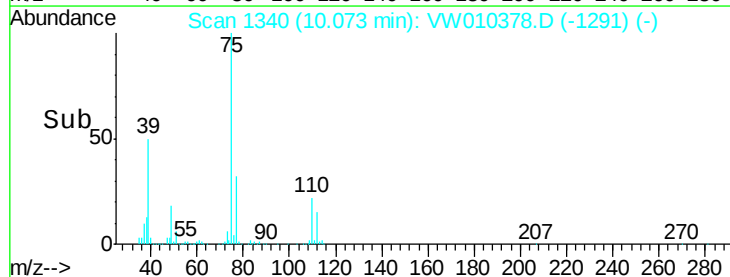
300000

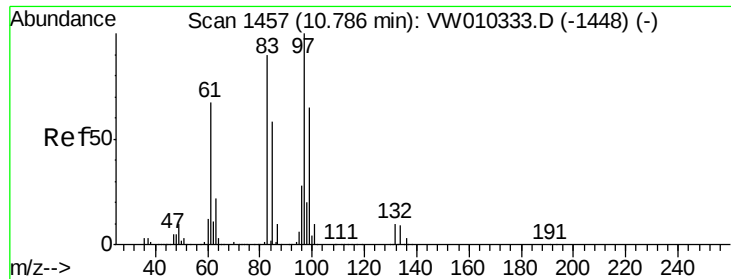
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.444 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

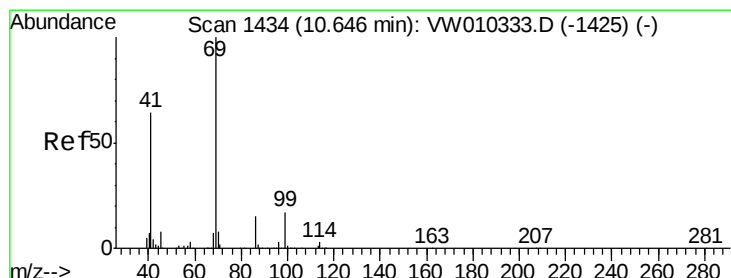
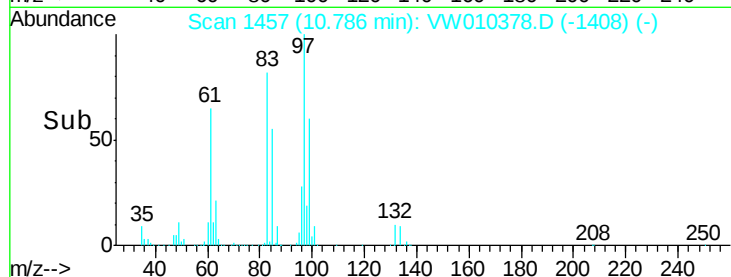
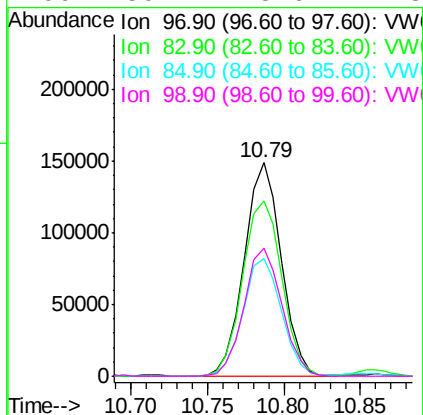
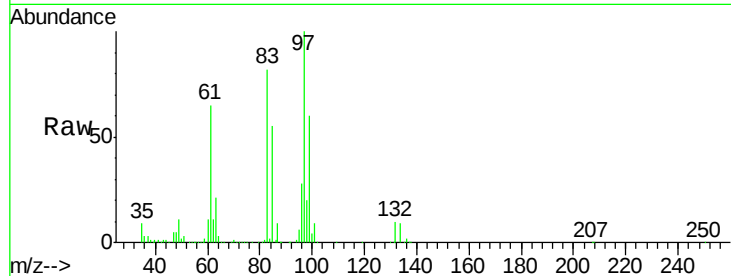
ClientSampleId :

VW0511SBS01

Tot Ion:	97	Resp:	251731
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.9	103.3
85	55.0	42.9	64.3
99	59.7	48.6	72.8

Manual Integrations
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MMDadoda
5/13/2019 3:44:08 AM



#56

Ethyl methacrylate

Concen: 19.690 ug/l

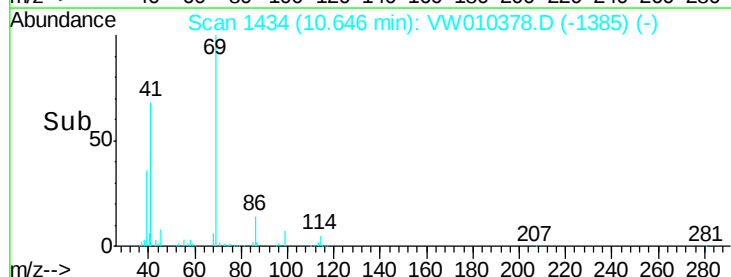
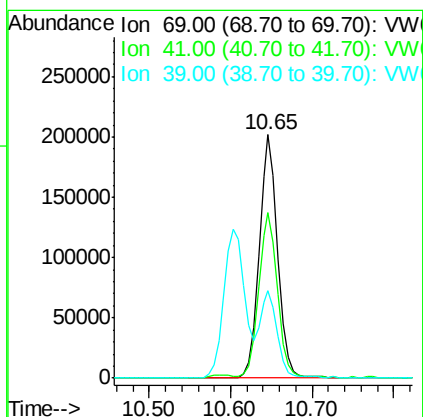
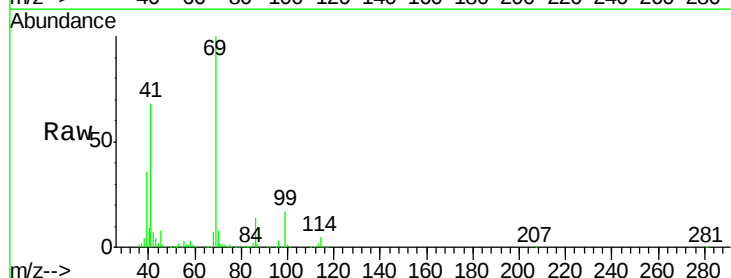
RT: 10.65 min Scan# 1434

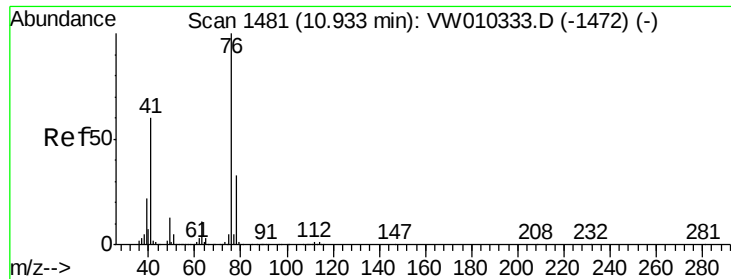
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	69	Resp:	320162
Ion	Ratio	Lower	Upper
69	100		
41	68.1	61.0	91.6
39	33.6	33.8	50.6#





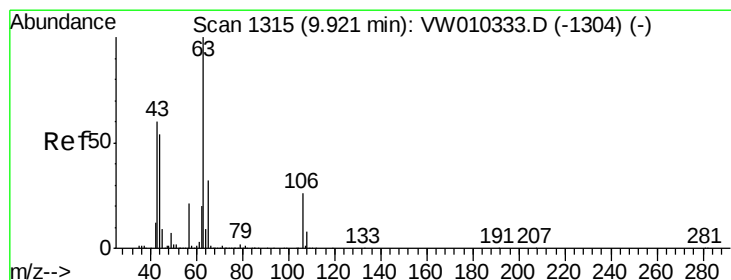
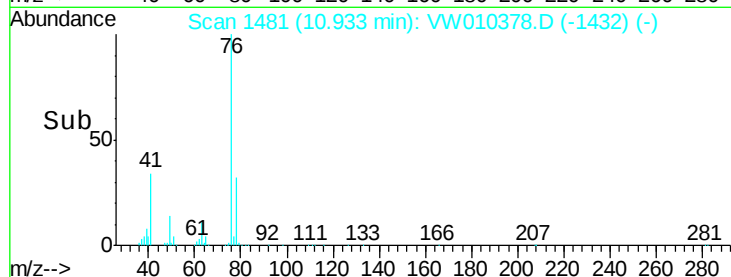
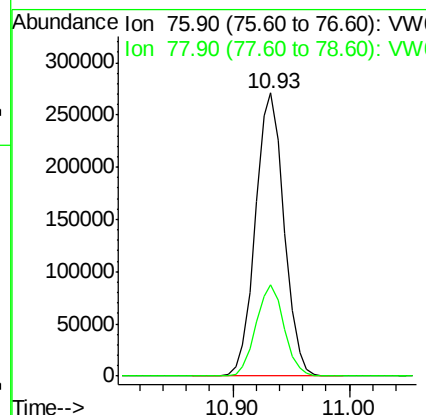
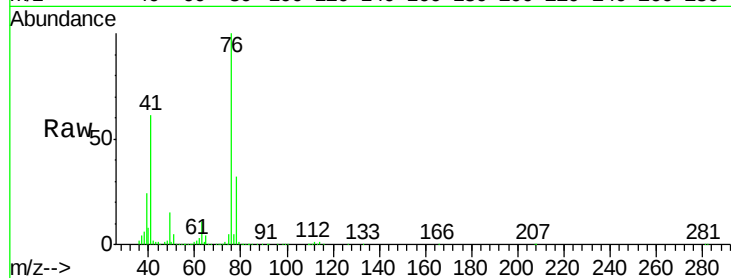
#57
 1,3-Dichloropropane
 Concen: 21.049 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion: 76 Resp: 463347
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

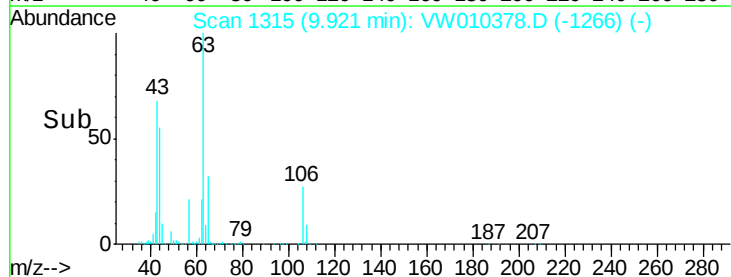
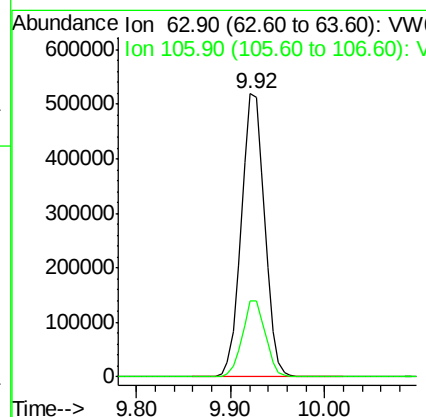
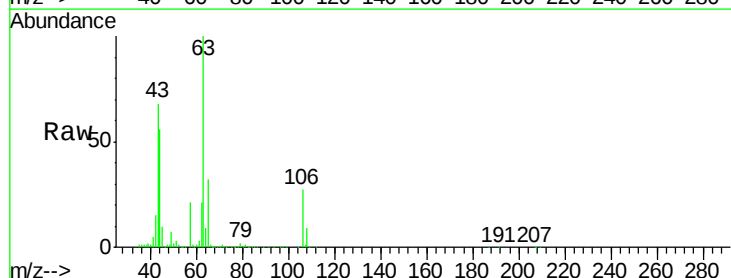
Manual Integrations
 APPROVED

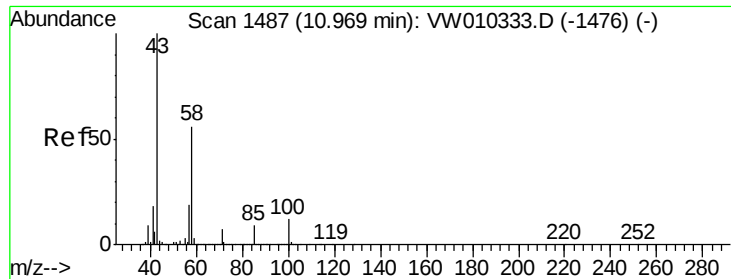
MMDadoda
 5/13/2019 3:44:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.014 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion: 63 Resp: 895400
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.4 32.0





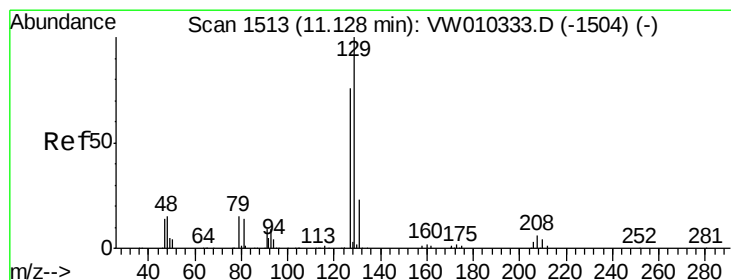
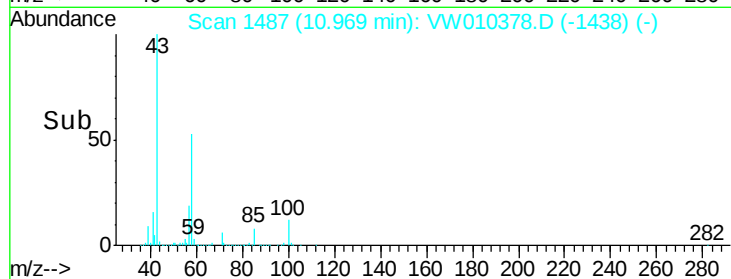
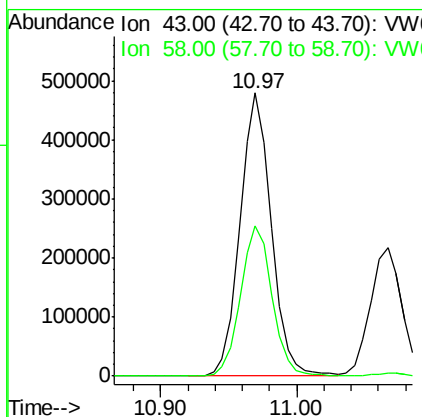
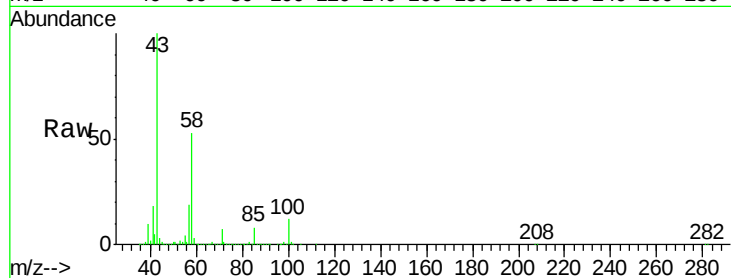
#59
2-Hexanone
Concen: 86.927 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion: 43 Resp: 767130
Ion Ratio Lower Upper
43 100
58 53.8 24.9 74.7

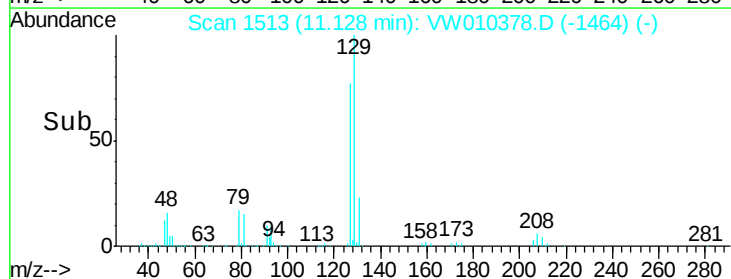
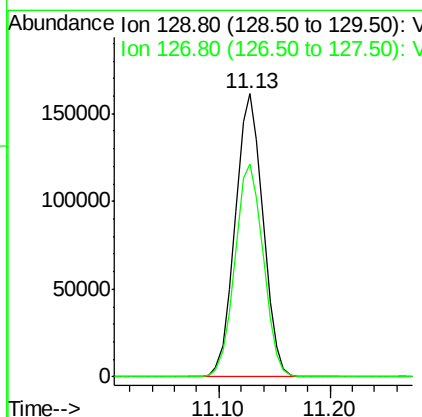
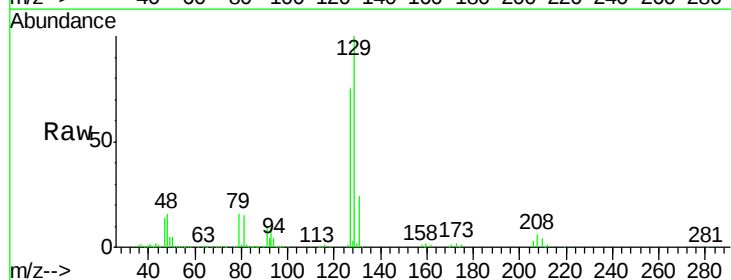
Manual Integrations
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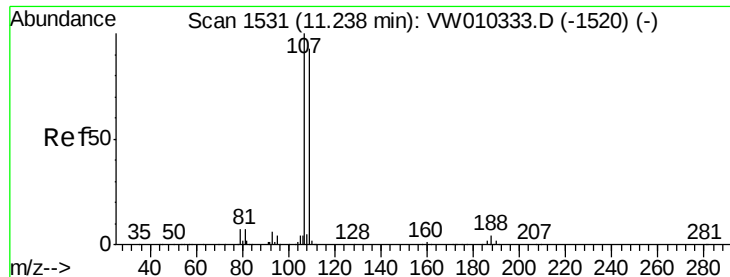
MMDadoda
5/13/2019 3:44:08 AM



#60
Dibromochloromethane
Concen: 21.016 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 129 Resp: 278461
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





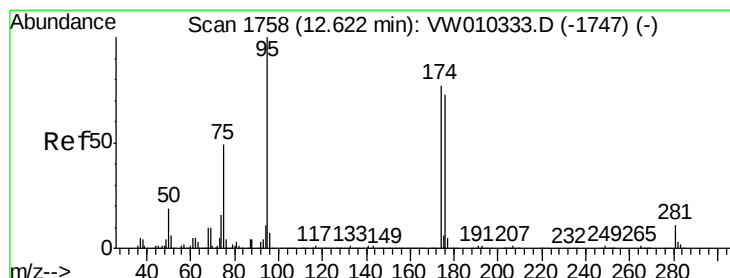
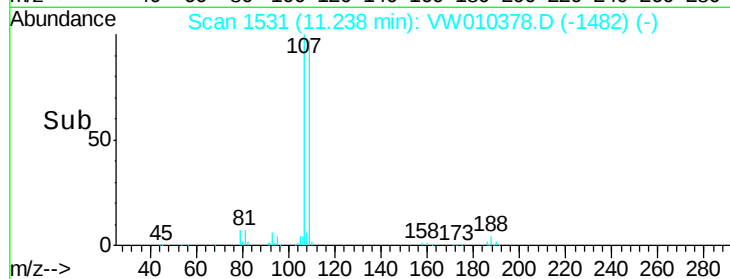
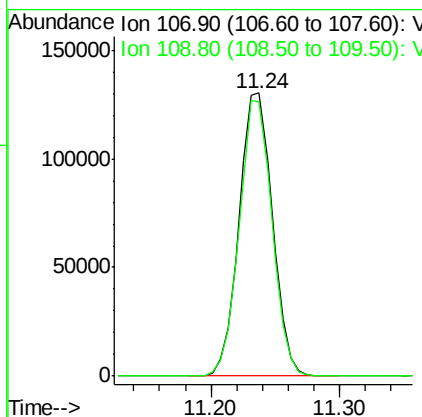
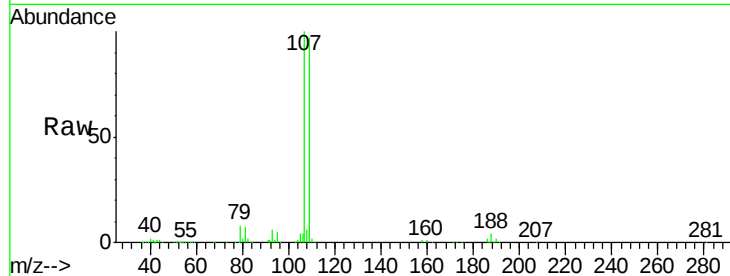
#61
 1,2-Dibromoethane
 Concen: 19.714 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	73.6	110.4

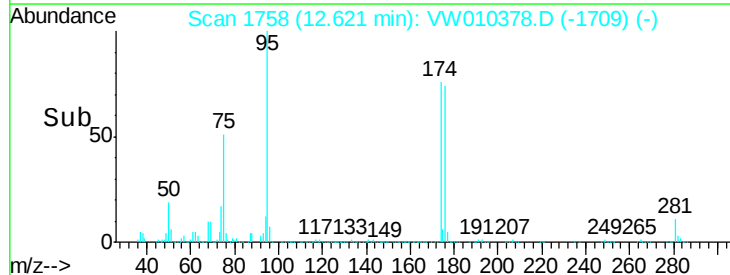
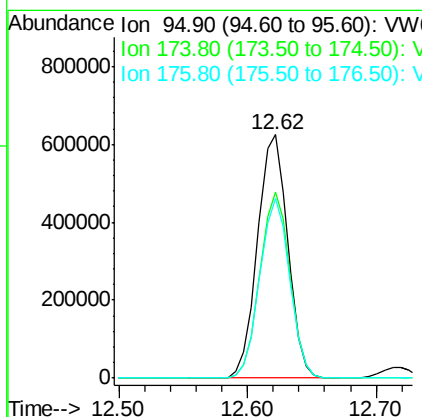
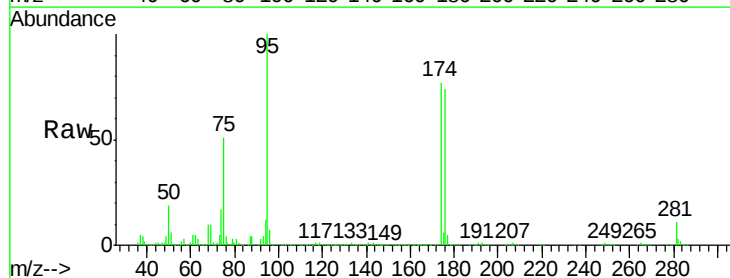
Manual Integrations
 APPROVED

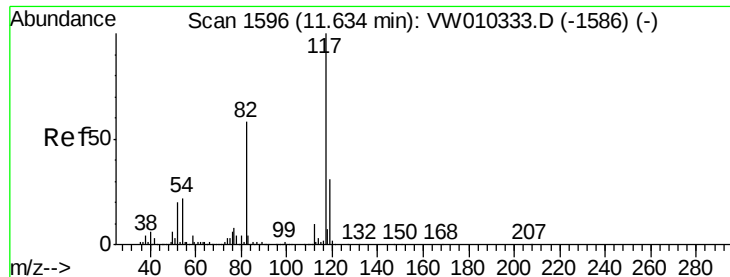
MMDadoda
 5/13/2019 3:44:08 AM



#62
 4-Bromofluorobenzene
 Concen: 53.029 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	151.4
176	73.2	0.0	146.2





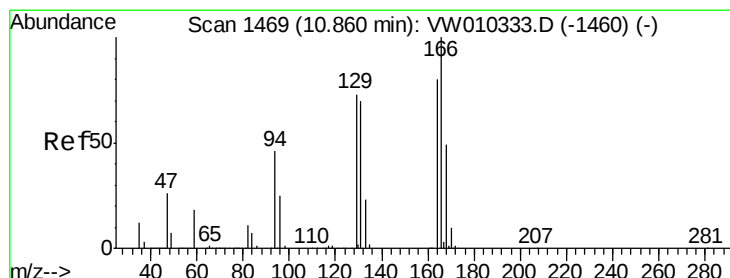
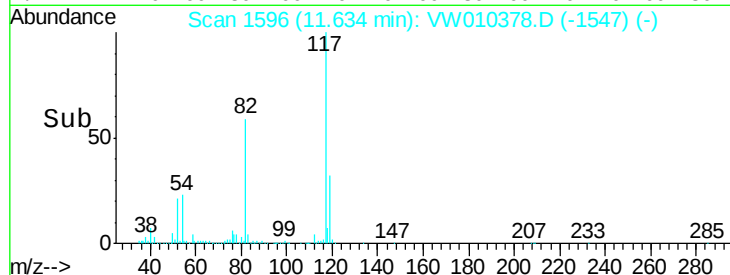
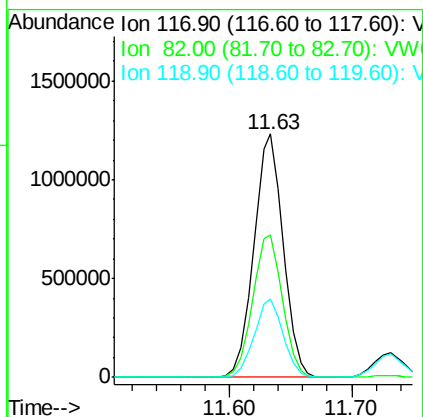
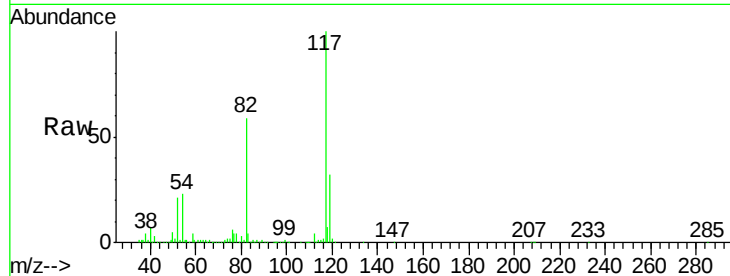
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.2	67.8
119	32.0	25.4	38.2

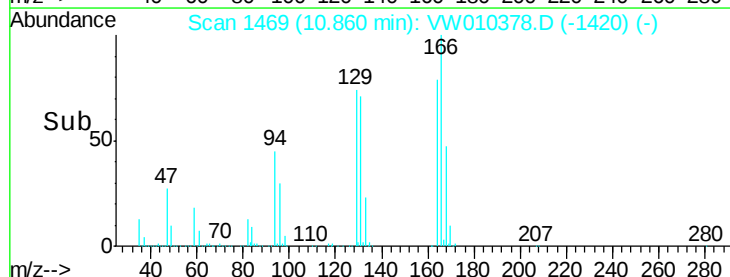
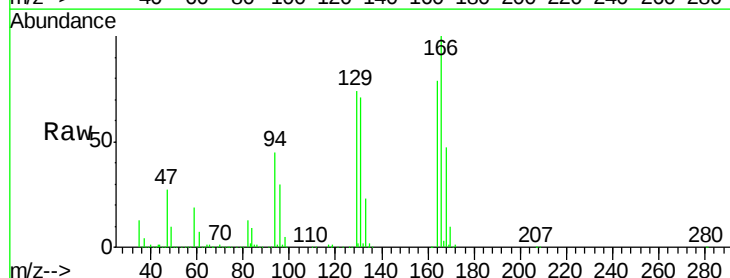
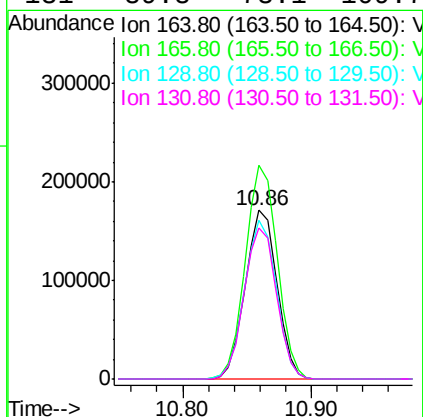
Manual Integrations
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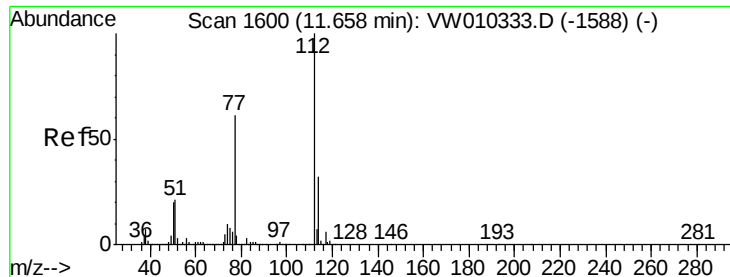
MMDadoda
5/13/2019 3:44:08 AM



#64
Tetrachloroethene
Concen: 20.324 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.2	151.8
129	93.8	77.8	116.6
131	89.8	73.1	109.7





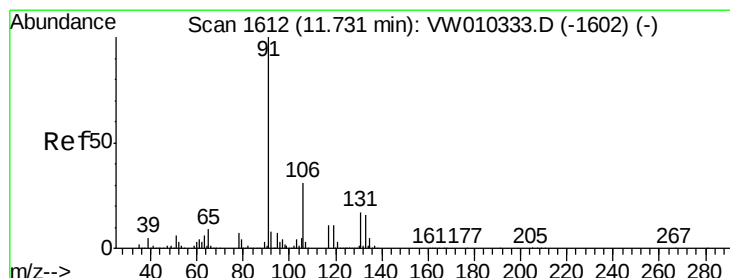
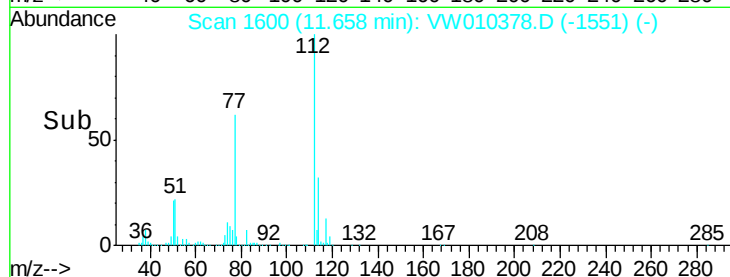
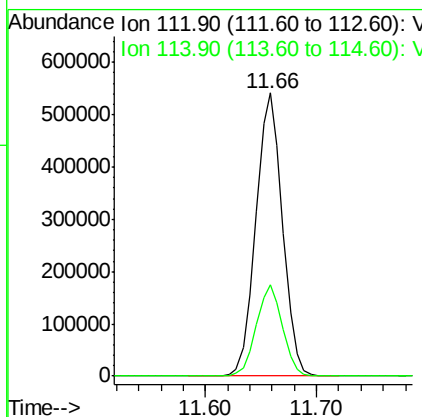
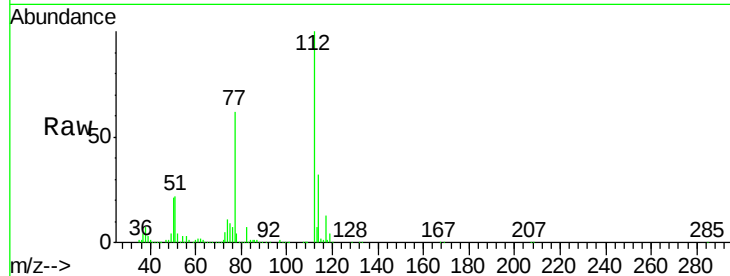
#65
Chlorobenzene
Concen: 21.167 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.5	39.7

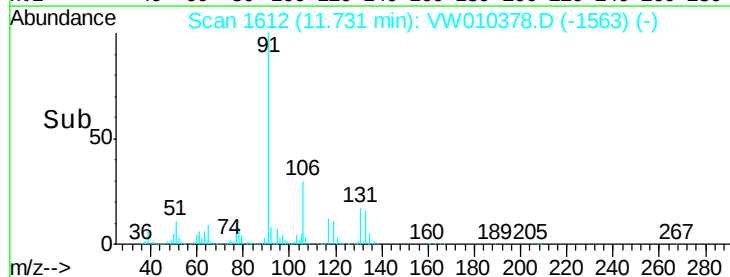
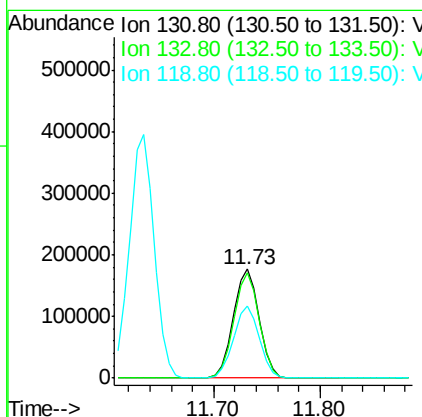
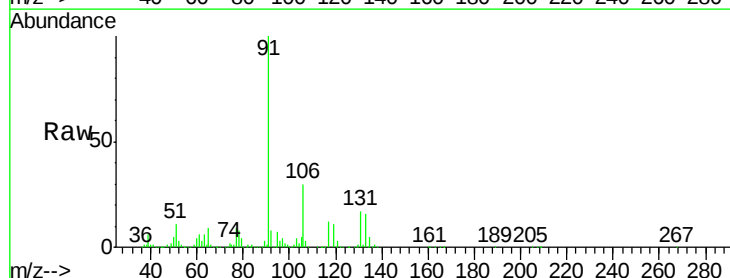
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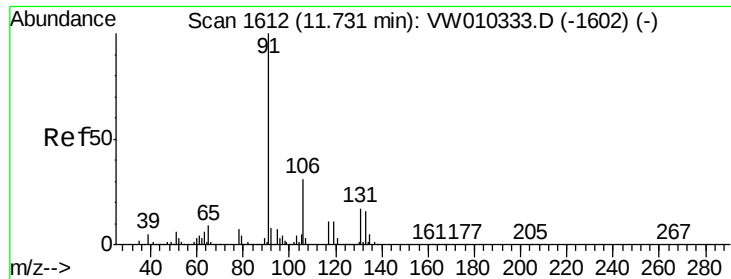
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.031 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	46.5	139.5
119	65.8	31.9	95.5





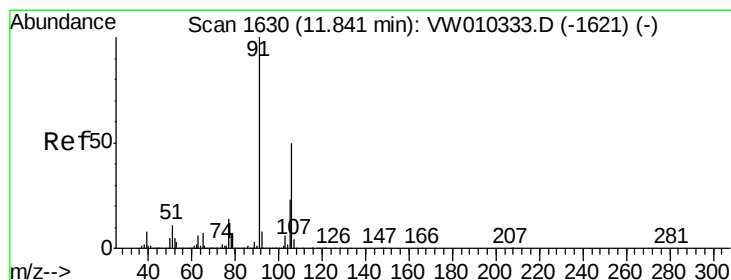
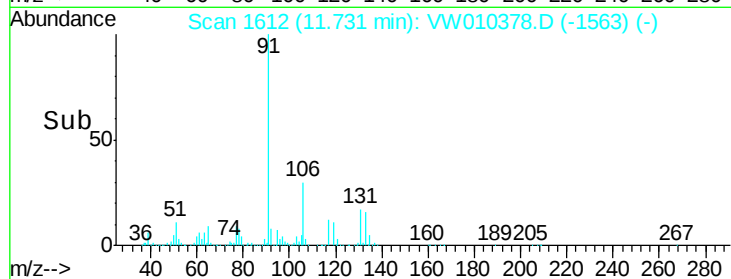
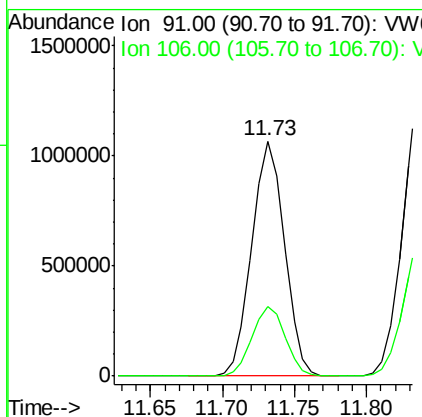
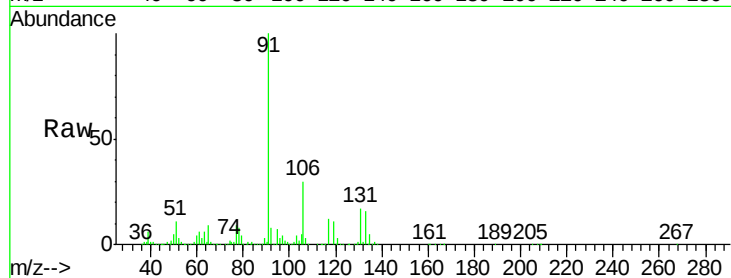
#67
Ethyl Benzene
Concen: 21.456 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :
VW0511SBS01

Tot Ion: 91 Resp: 1674840
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8

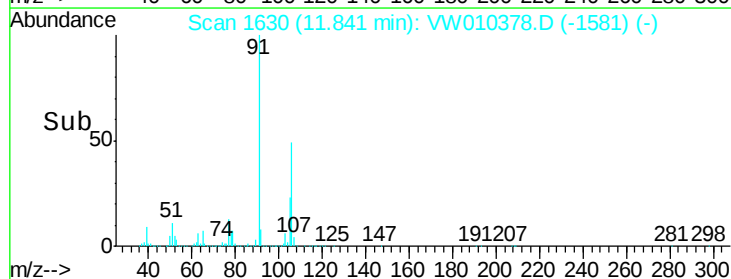
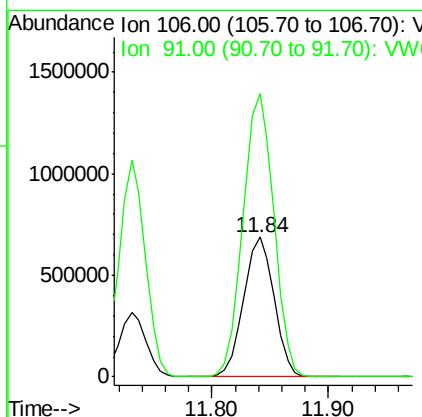
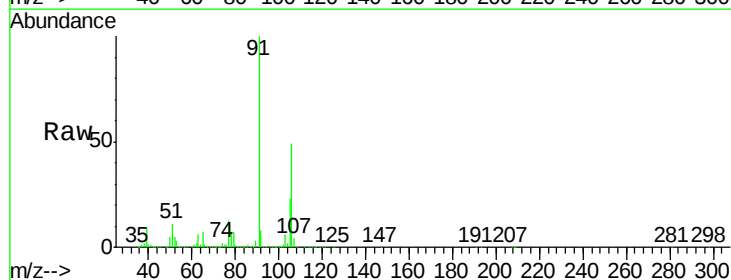
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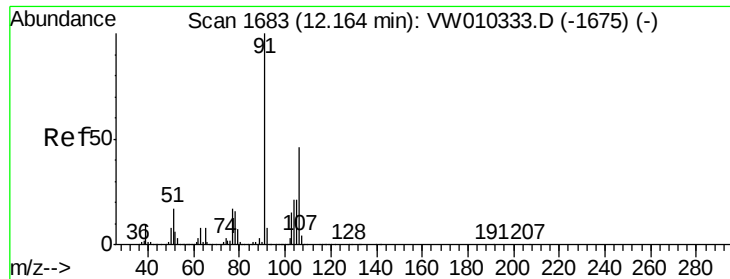
MMDadoda
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#68
m/p-Xylenes
Concen: 43.455 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 106 Resp: 1260282
Ion Ratio Lower Upper
106 100
91 205.4 165.0 247.6





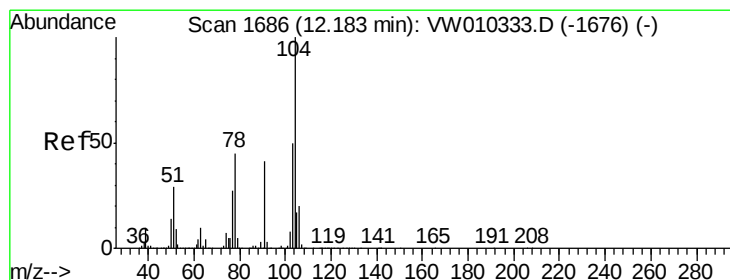
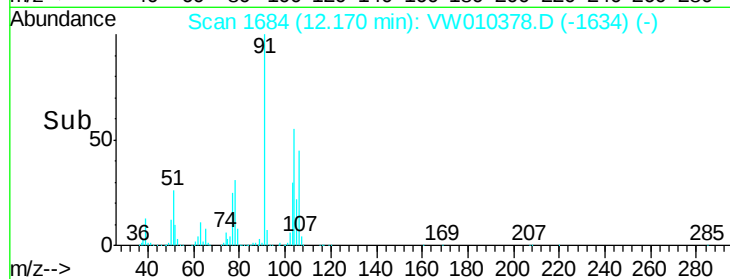
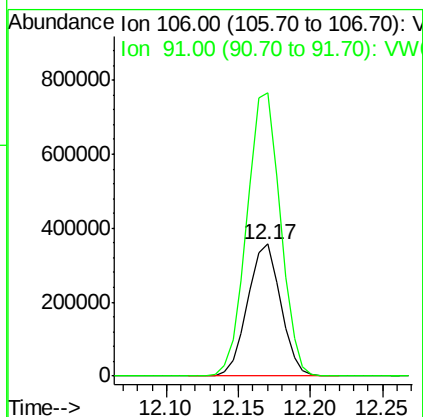
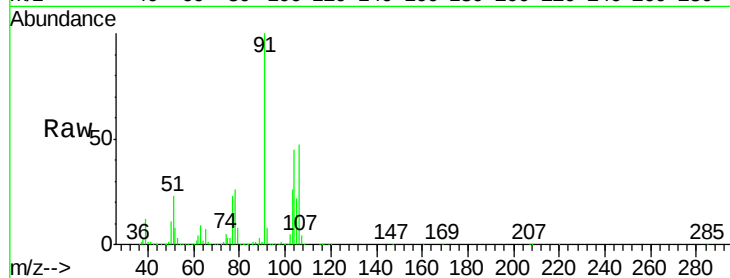
#69
o-Xylene
Concen: 21.568 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.0	110.5	331.4

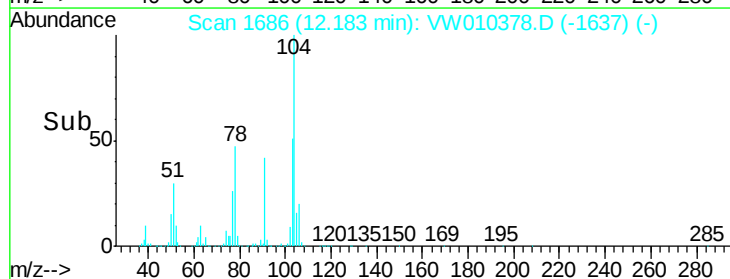
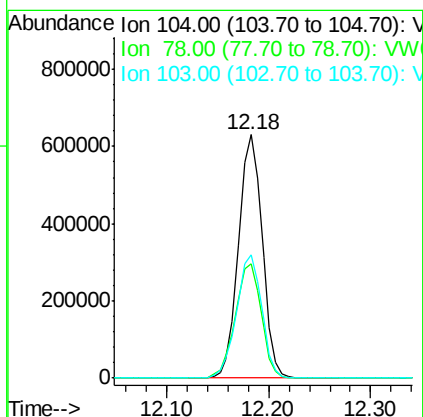
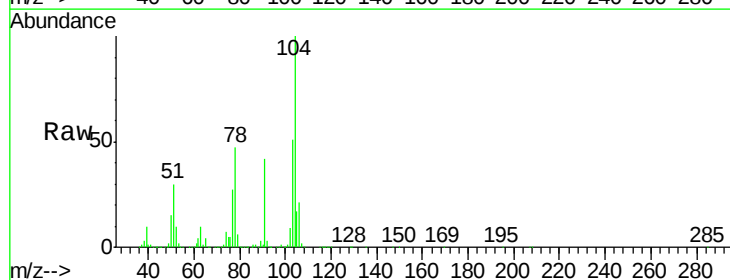
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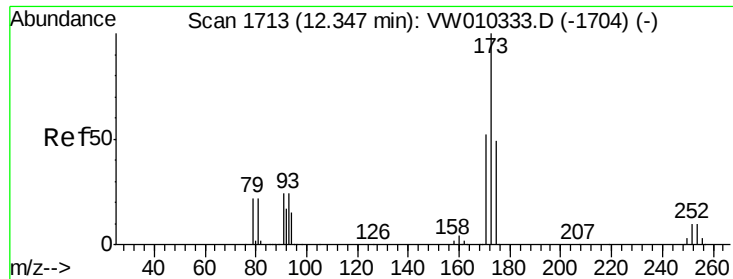
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#70
Styrene
Concen: 22.187 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.5	63.7
103	54.0	43.6	65.4





#71

Bromoform

Concen: 18.730 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

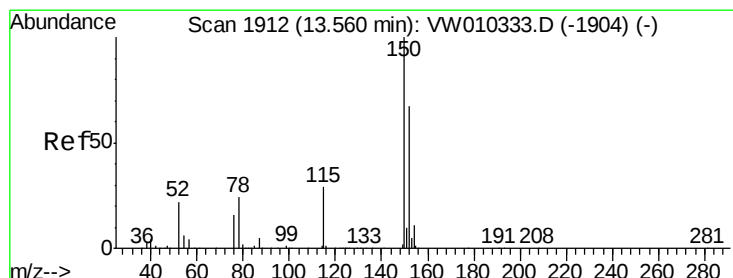
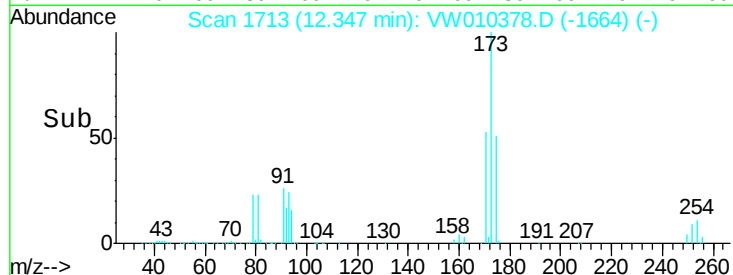
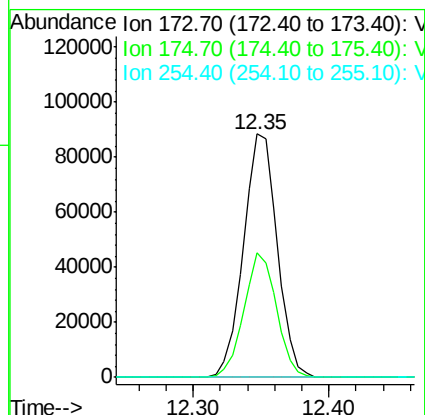
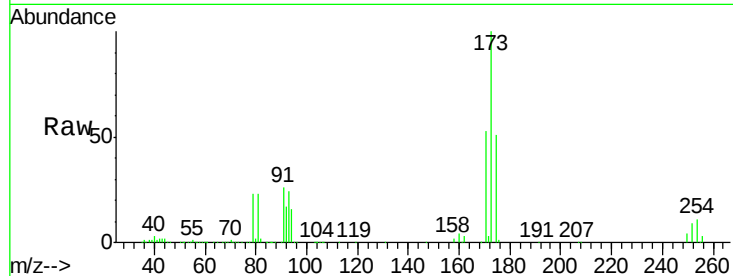
ClientSampleId :

VW0511SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.8	71.4
254	0.2	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

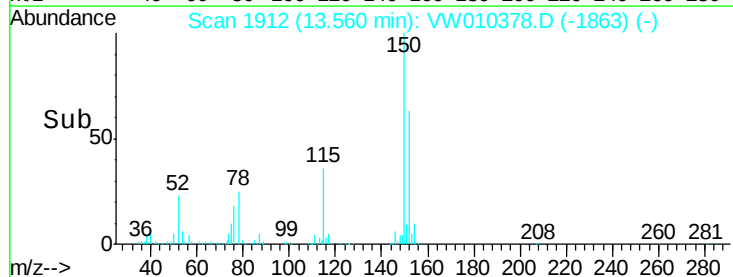
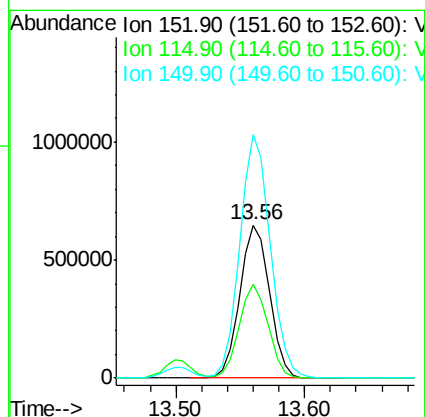
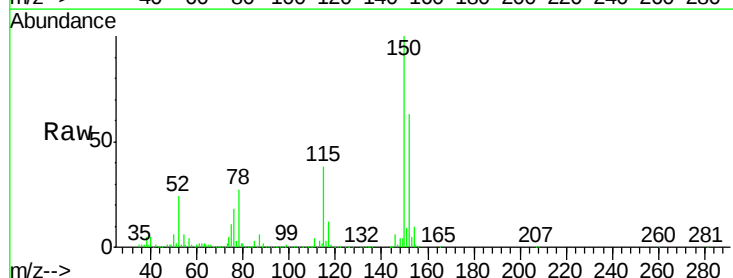
RT: 13.56 min Scan# 1912

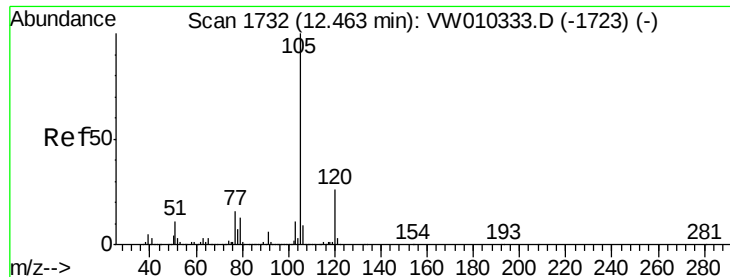
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.4	91.2
150	163.6	0.0	347.0





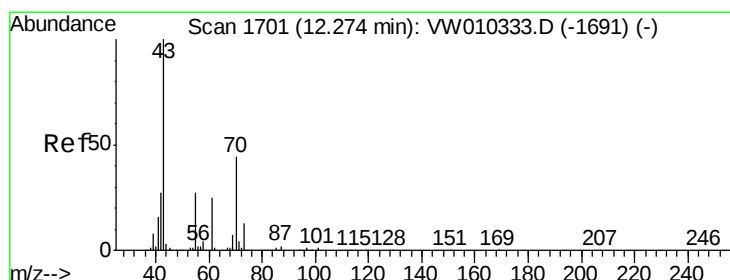
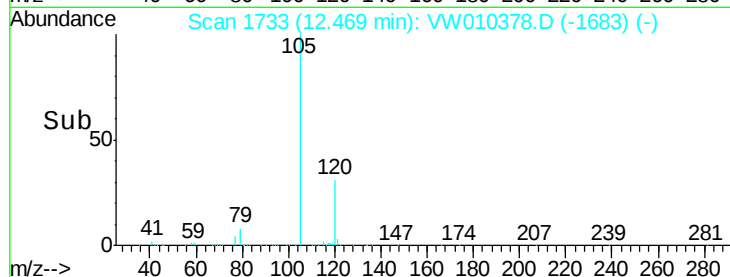
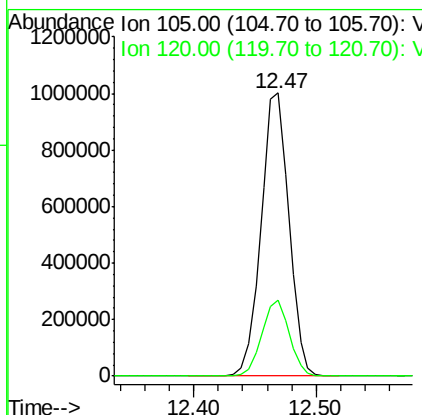
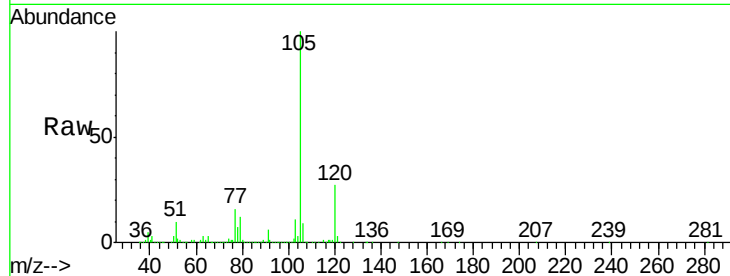
#73
Isopropylbenzene
Concen: 21.204 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion: 105 Resp: 1590753
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1

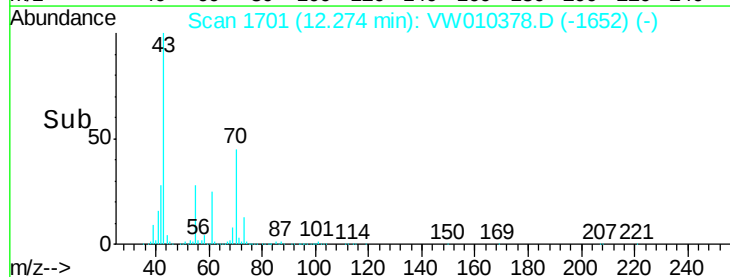
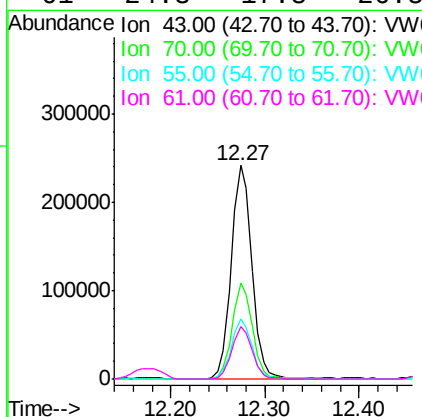
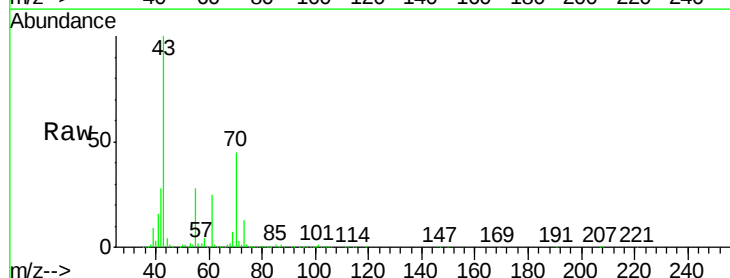
Manual Integrations
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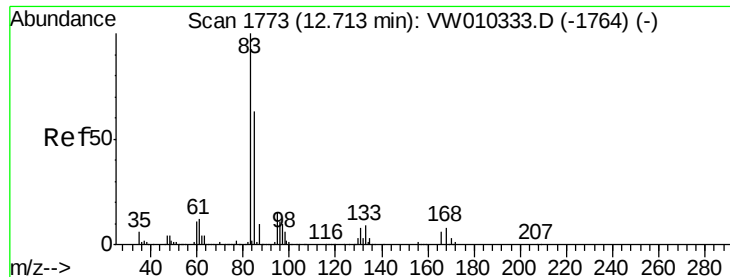
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#74
N-ethyl acetate
Concen: 19.054 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 43 Resp: 369296
Ion Ratio Lower Upper
43 100
70 44.3 31.3 46.9
55 28.2 20.0 30.0
61 24.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.129 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

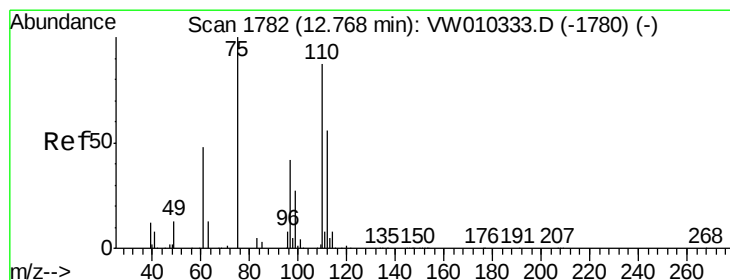
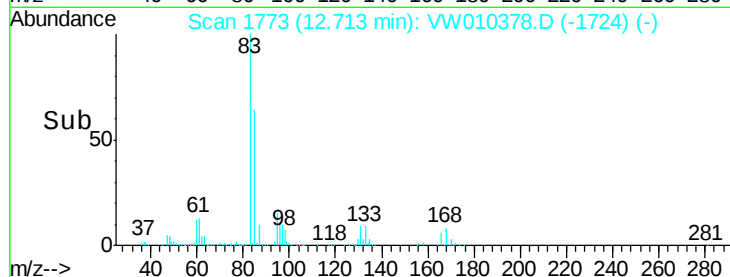
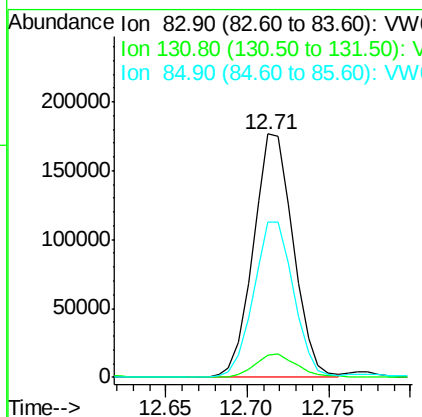
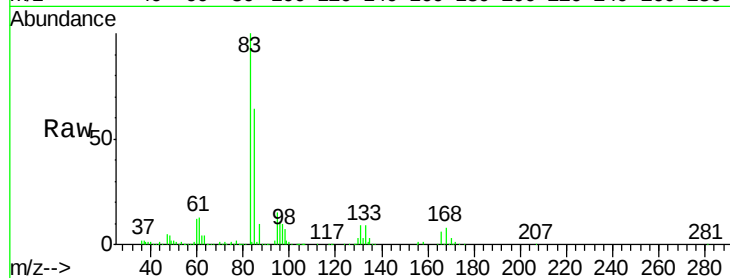
ClientSampleId :

VW0511SBS01

Tot Ion:	83	Resp:	299667
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	64.1	32.0	96.2

Manual Integrations
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5/13/2019 3:44:08 AM



#76

1,2,3-Trichloropropane

Concen: 17.960 ug/l m

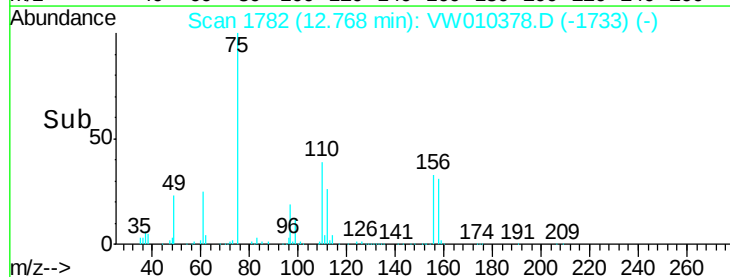
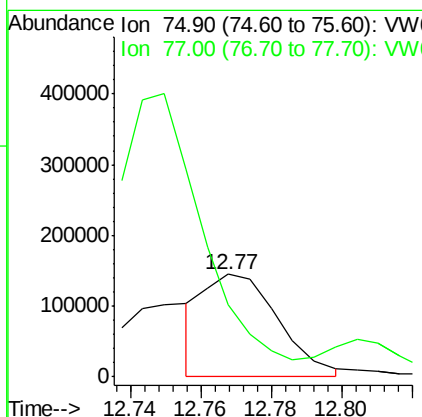
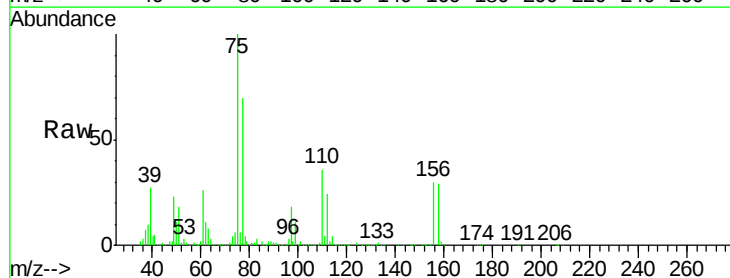
RT: 12.77 min Scan# 1782

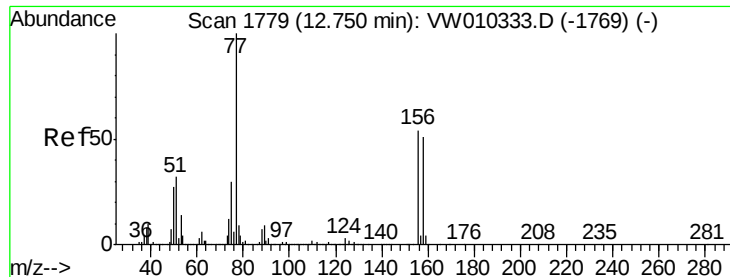
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	75	Resp:	215517
Ion Ratio	Lower	Upper	
75	100		
77	339.4	0.0	0.0#





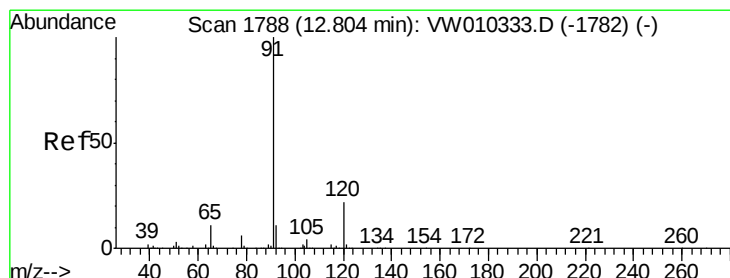
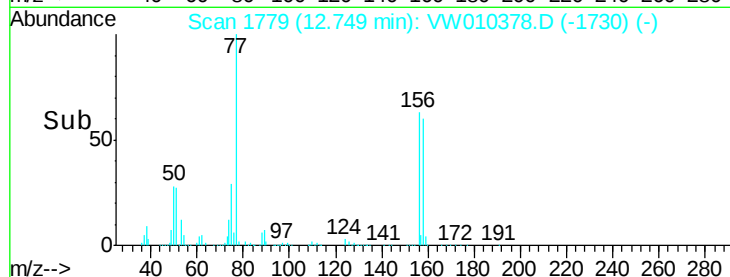
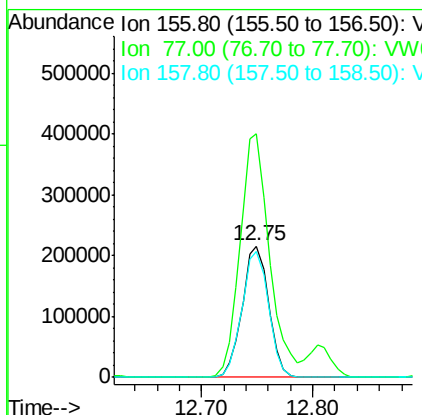
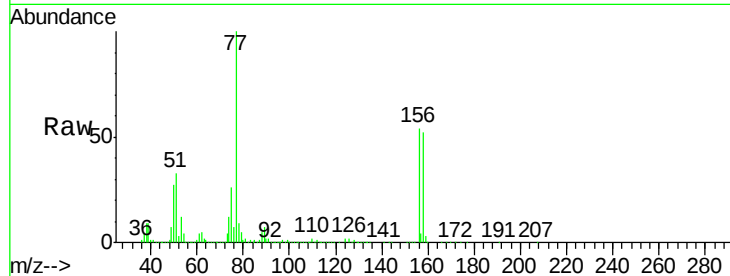
#77
Bromobenzene
Concen: 21.054 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	205.1	102.5	307.4
158	96.5	48.8	146.4

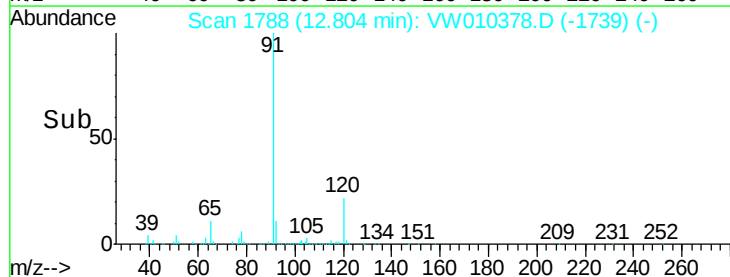
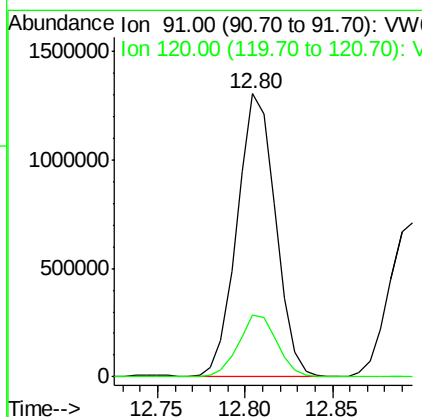
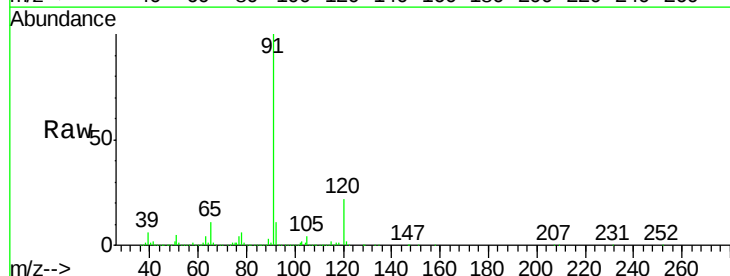
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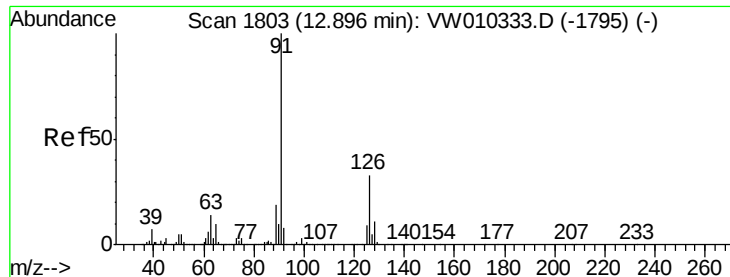
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#78
n-propylbenzene
Concen: 21.556 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





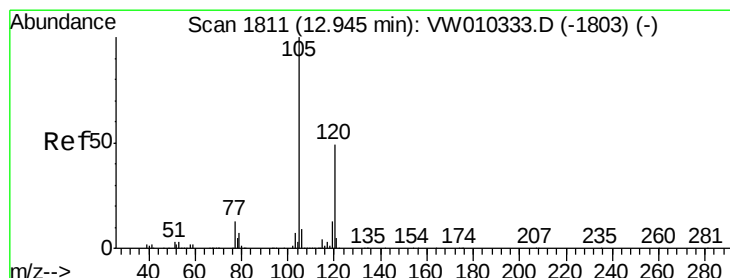
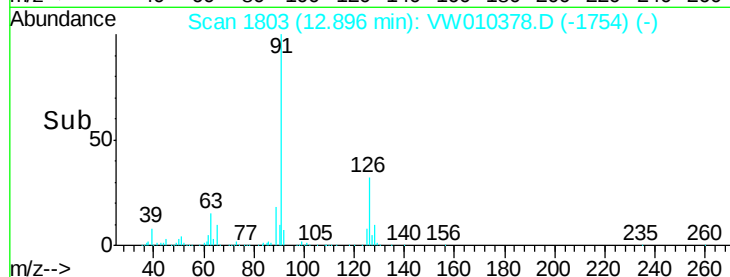
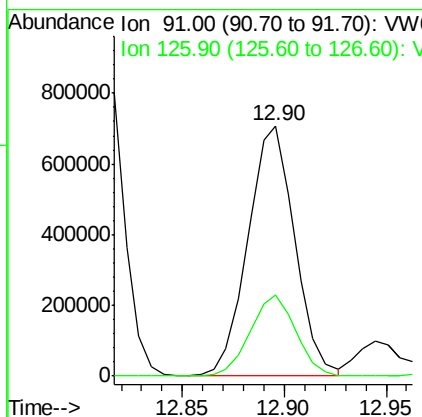
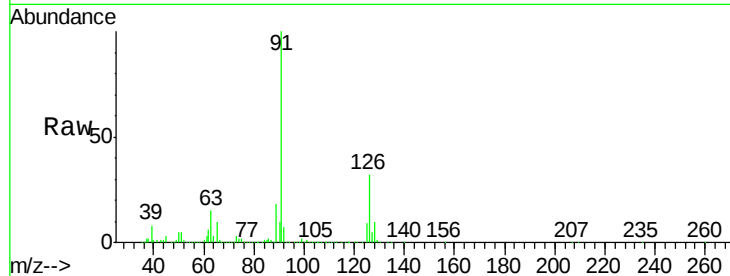
#79
2-Chlorotoluene
Concen: 21.348 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion: 91 Resp: 1126456
Ion Ratio Lower Upper
91 100
126 31.7 16.3 48.8

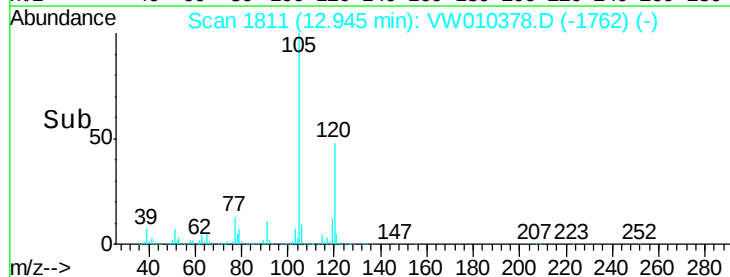
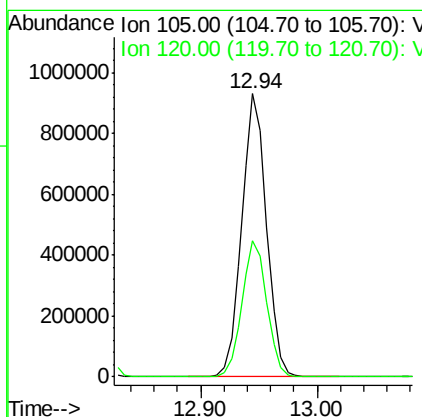
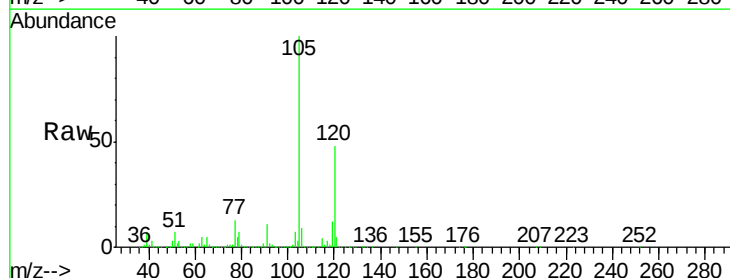
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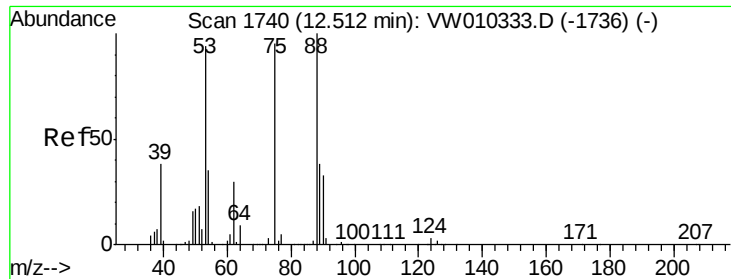
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#80
1,3,5-Trimethylbenzene
Concen: 21.745 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:105 Resp: 1375286
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.705 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

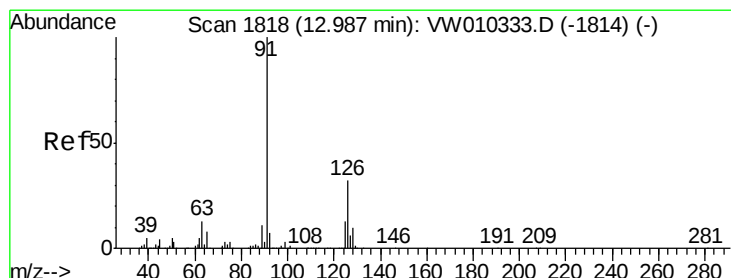
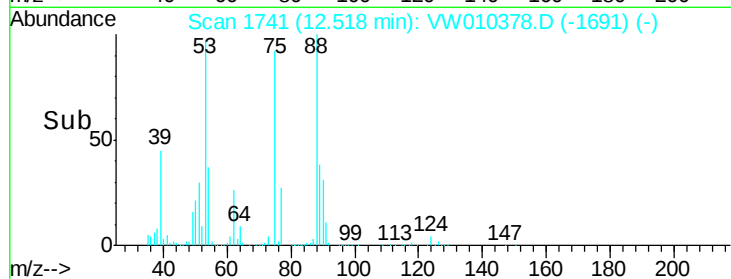
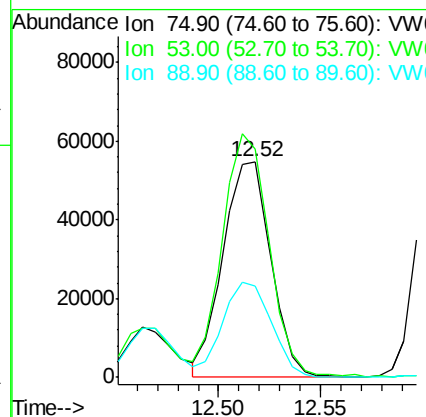
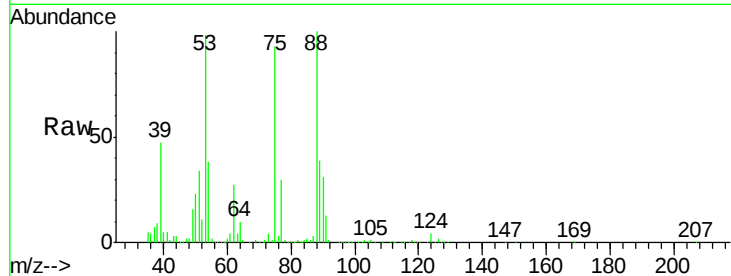
ClientSampleId :

VW0511SBS01

Tot Ion:	75	Resp:	88763
Ion	Ratio	Lower	Upper
75	100		
53	109.9	89.8	134.8
89	45.2	36.6	54.8

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#82

4-Chlorotoluene

Concen: 21.508 ug/l

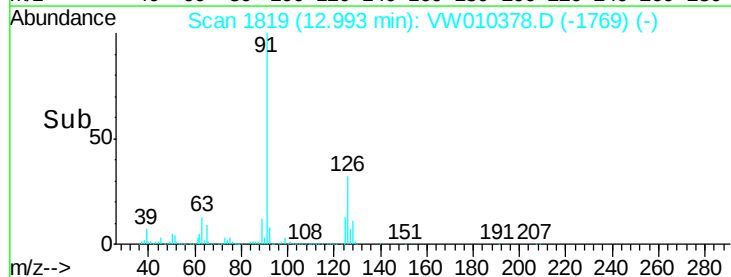
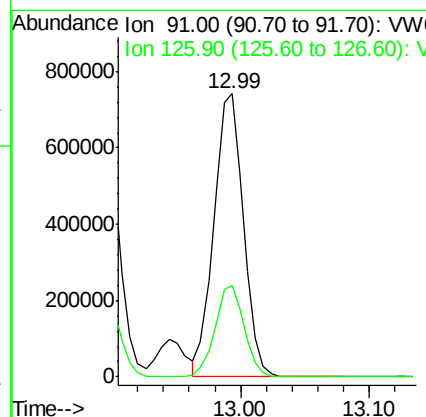
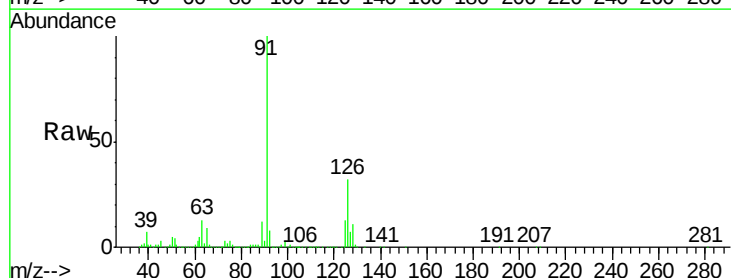
RT: 12.99 min Scan# 1819

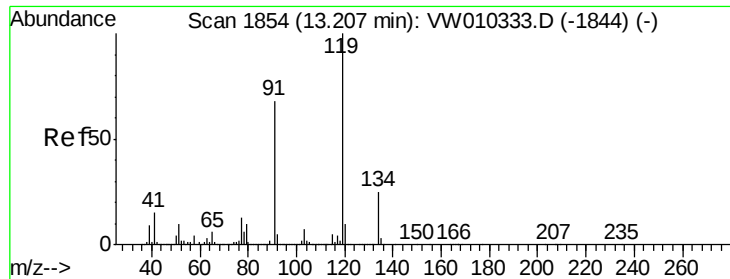
Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	91	Resp:	1189082
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.1





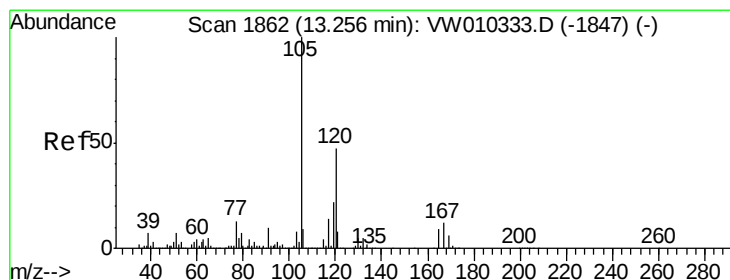
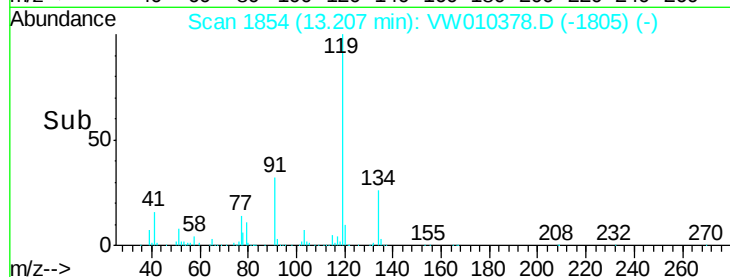
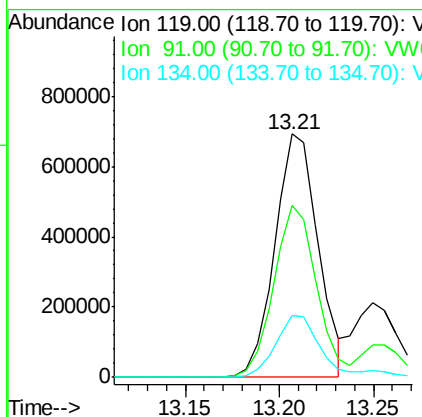
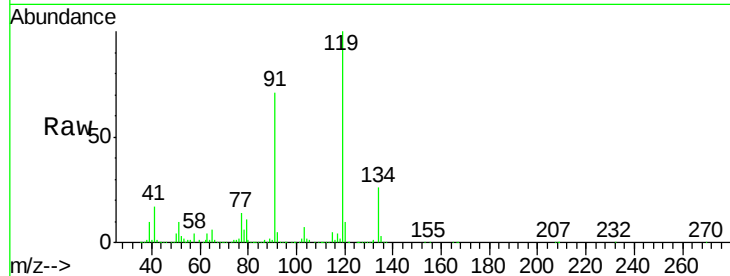
#83
tert-Butylbenzene
Concen: 20.896 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion:119 Resp: 1102304
Ion Ratio Lower Upper
119 100
91 69.6 34.8 104.4
134 27.7 13.7 41.1

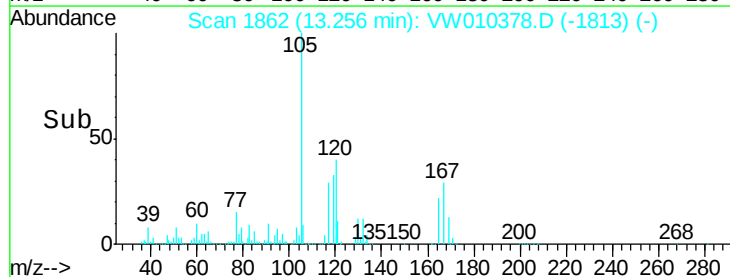
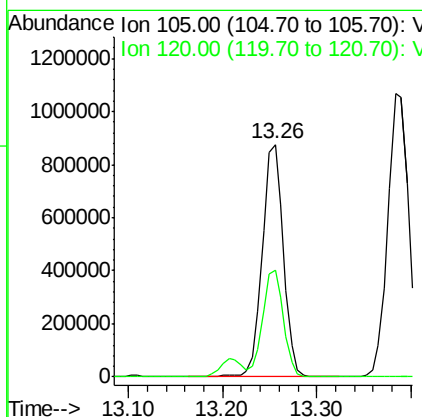
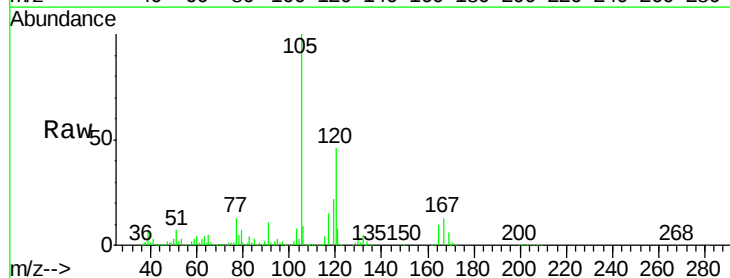
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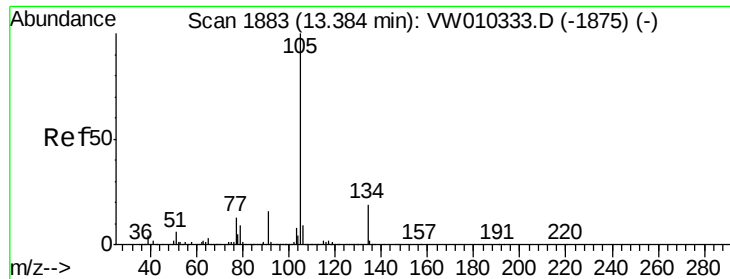
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#84
1,2,4-Trimethylbenzene
Concen: 21.920 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:105 Resp: 1377642
Ion Ratio Lower Upper
105 100
120 45.4 22.6 67.7





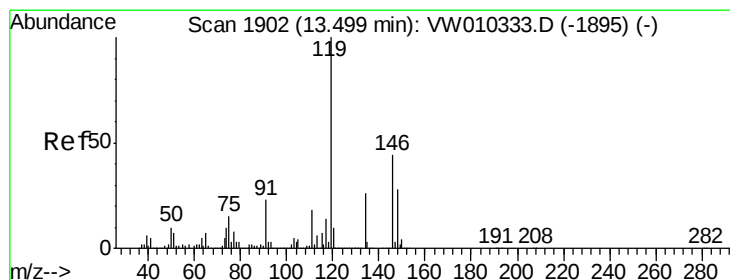
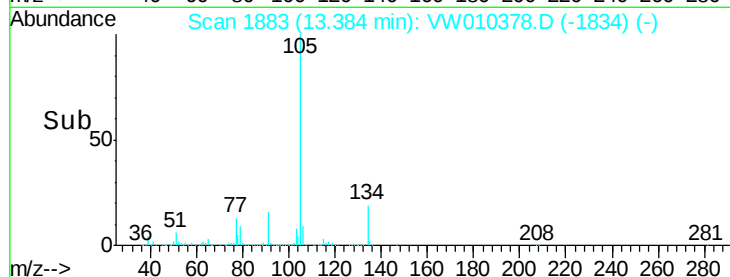
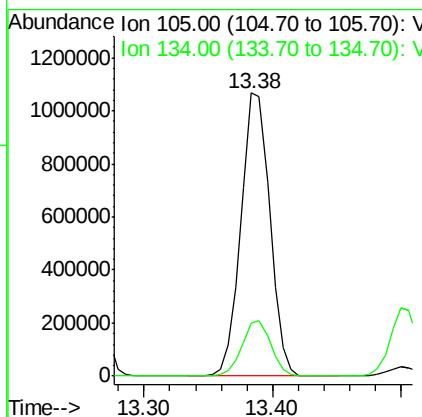
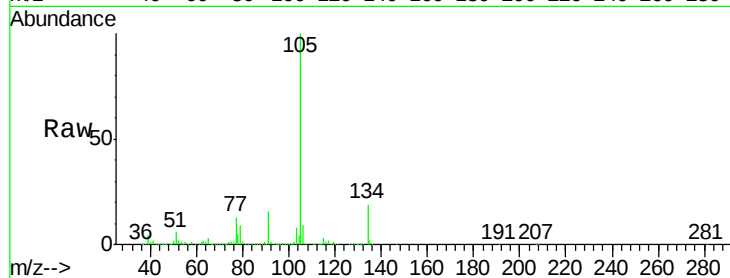
#85
 sec-Butylbenzene
 Concen: 21.239 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion:105 Resp: 1653958
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

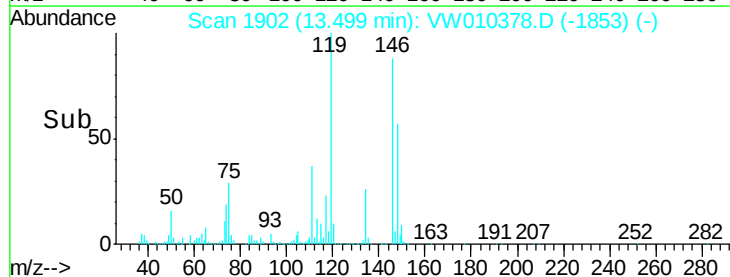
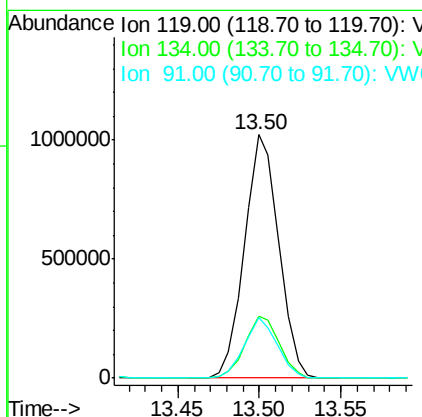
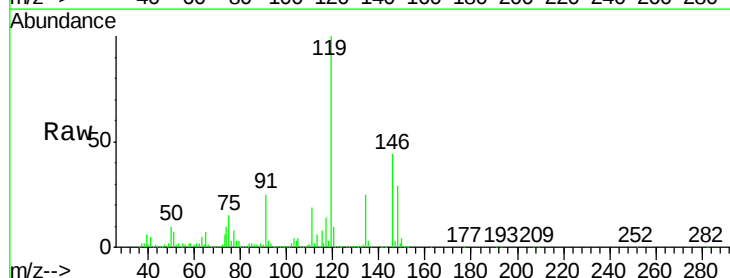
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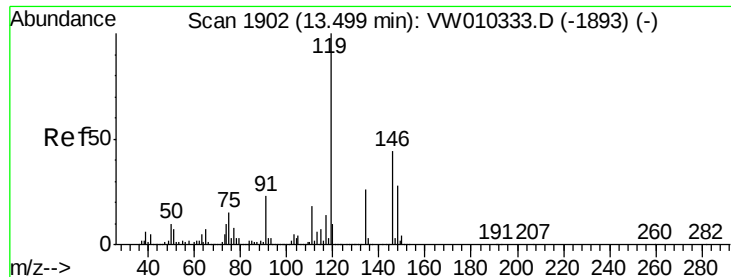
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#86
 p-Isopropyltoluene
 Concen: 21.622 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion:119 Resp: 1495048
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 24.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 21.204 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010378.D

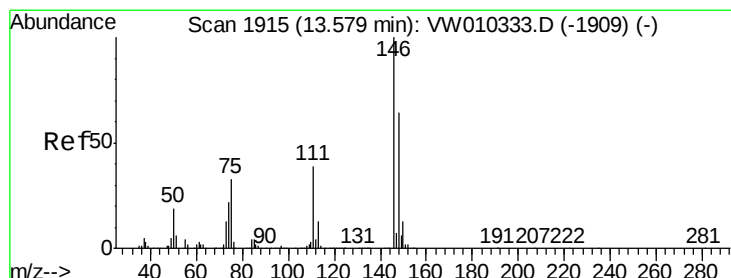
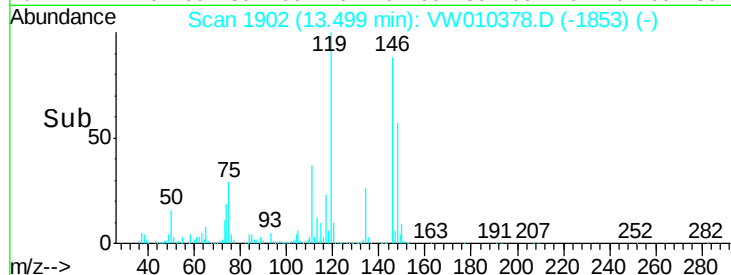
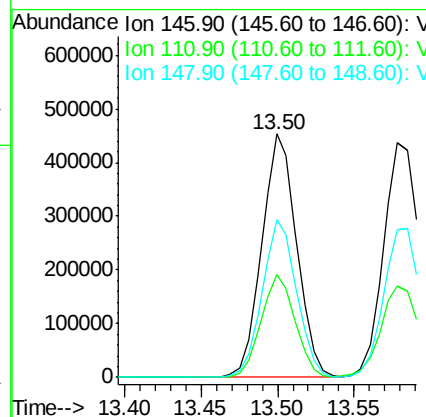
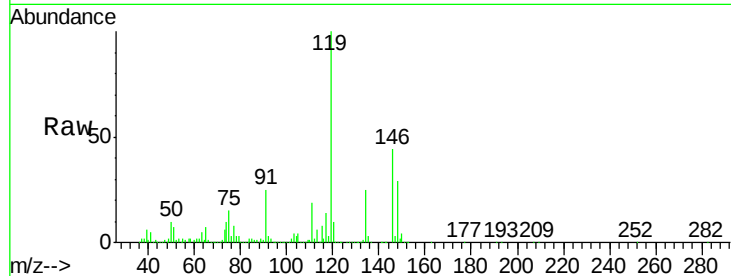
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	717221		
111	41.2	20.3	61.0	
148	64.0	32.0	96.2	

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#88

1,4-Dichlorobenzene

Concen: 21.128 ug/l

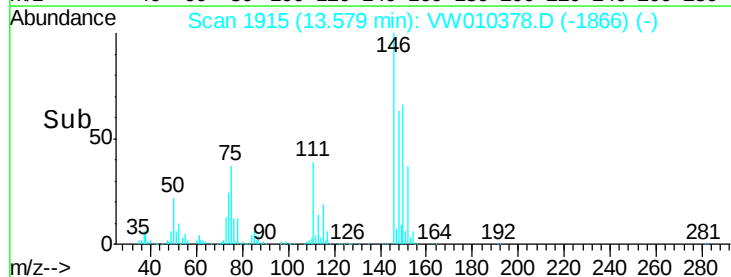
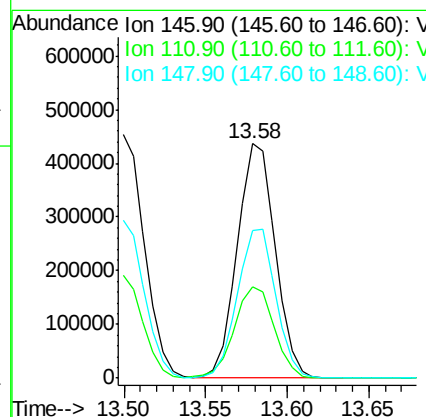
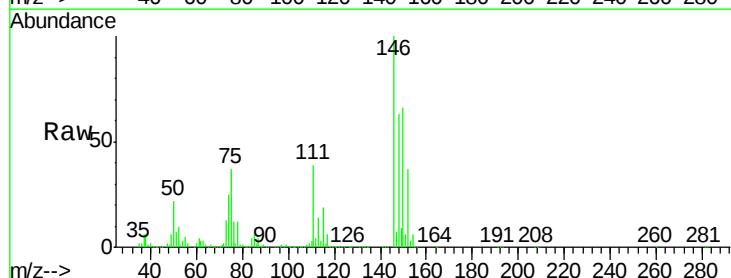
RT: 13.58 min Scan# 1915

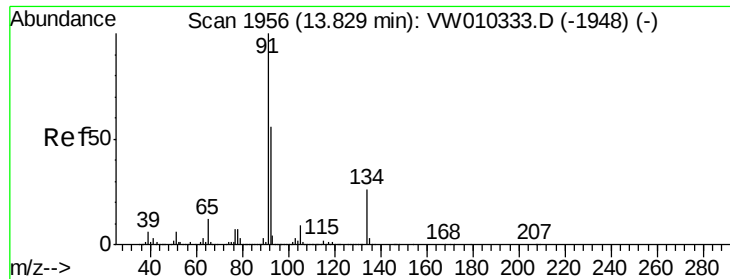
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	709216		
111	40.9	20.1	60.3	
148	64.4	31.8	95.3	





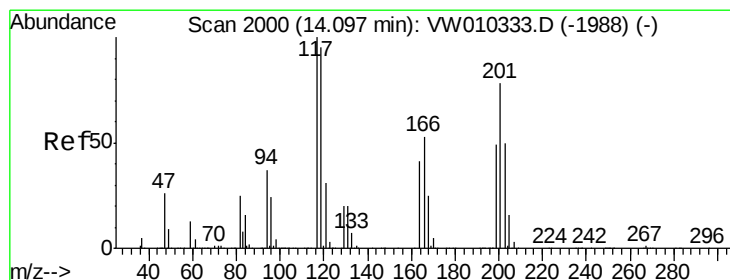
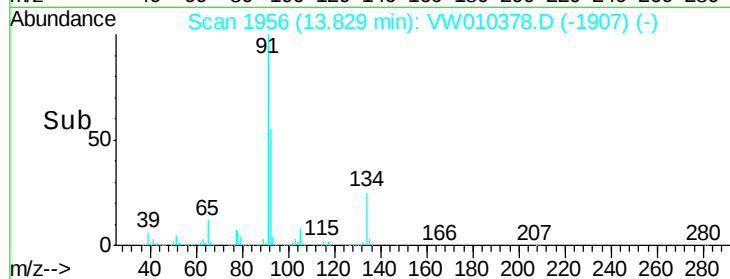
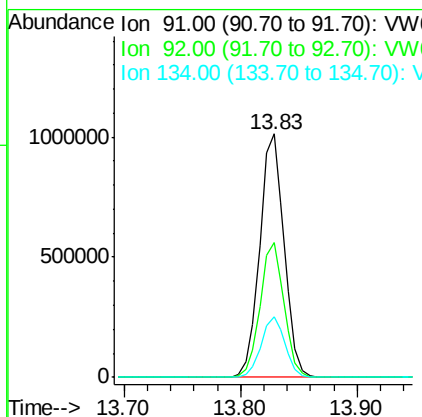
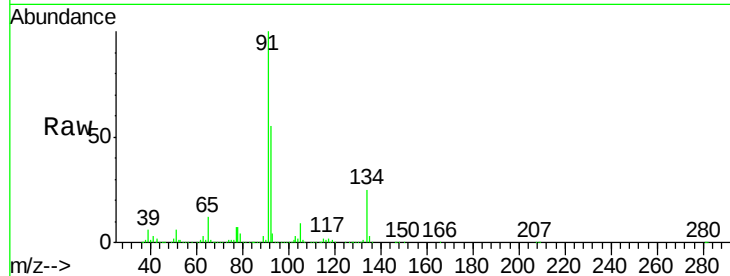
#89
n-Butylbenzene
Concen: 21.320 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.5	79.4
134	24.6	12.4	37.0

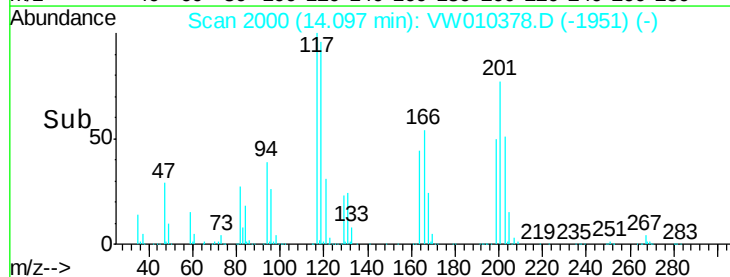
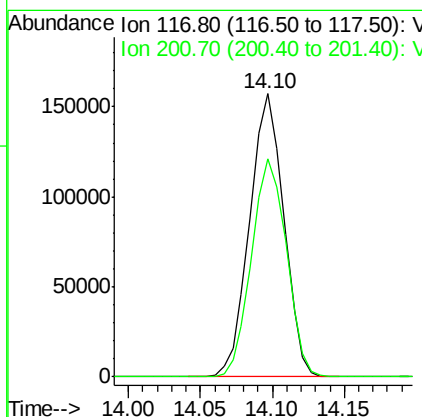
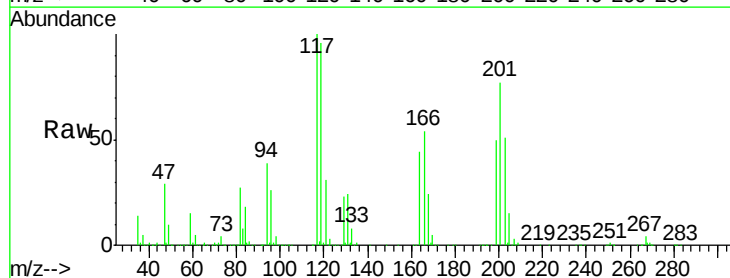
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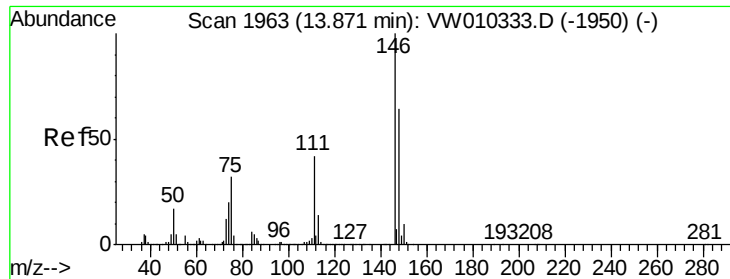
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#90
Hexachloroethane
Concen: 20.121 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	36.1	108.3





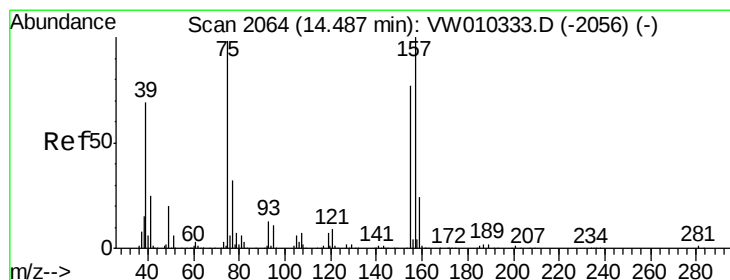
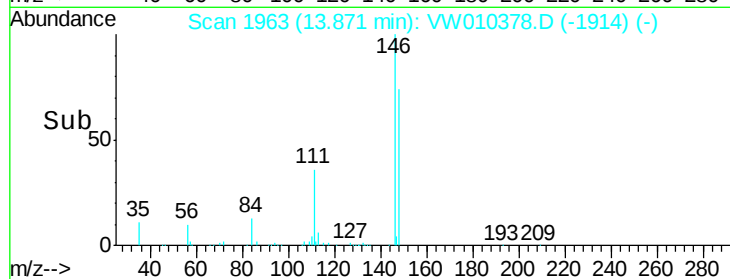
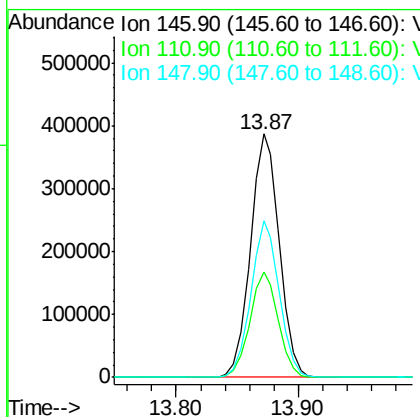
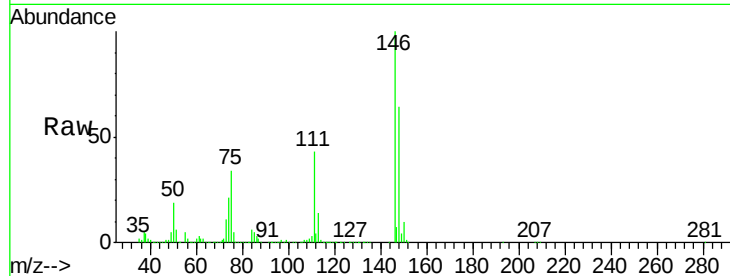
#91
 1,2-Dichlorobenzene
 Concen: 21.078 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	631137		
111	42.8	20.9	62.8	
148	63.3	31.9	95.7	

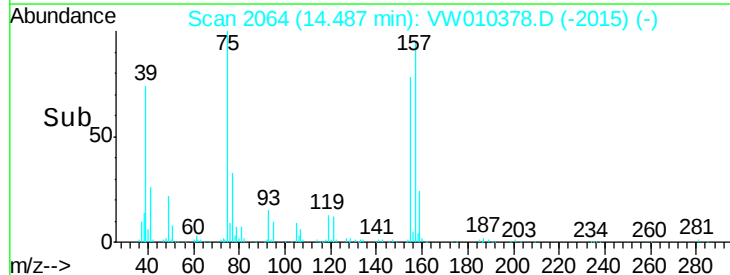
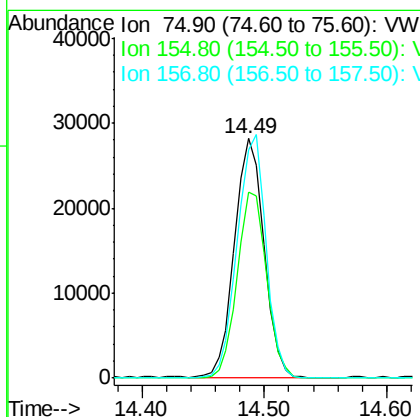
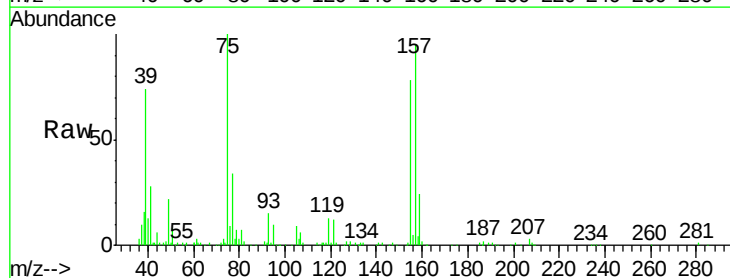
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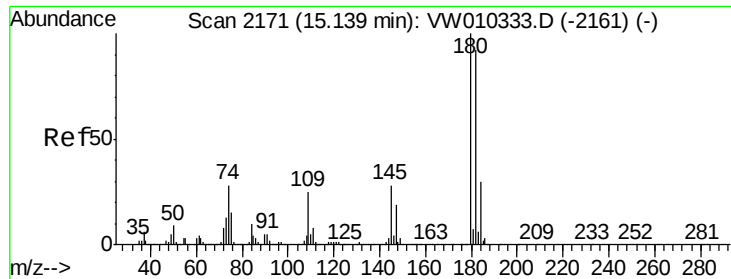
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.891 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47300		
155	76.9	37.1	111.5	
157	98.3	47.3	141.9	





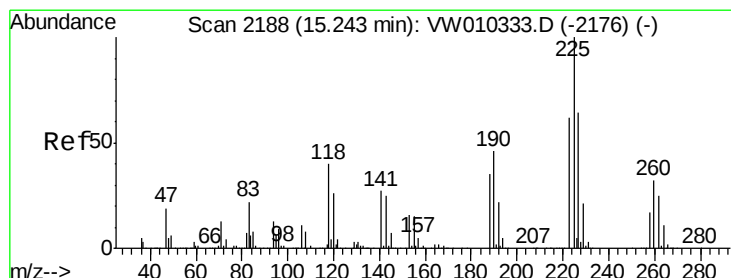
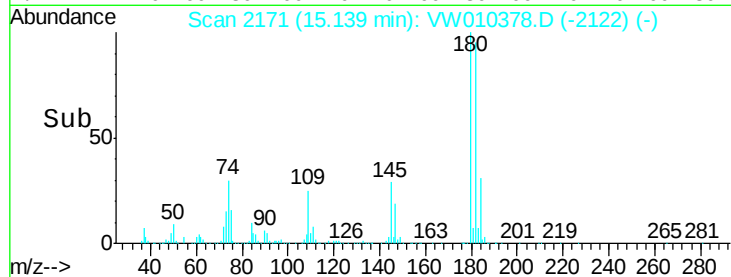
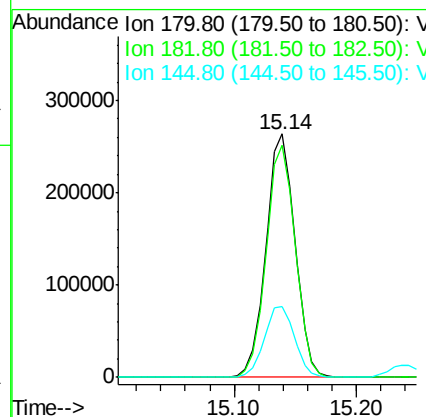
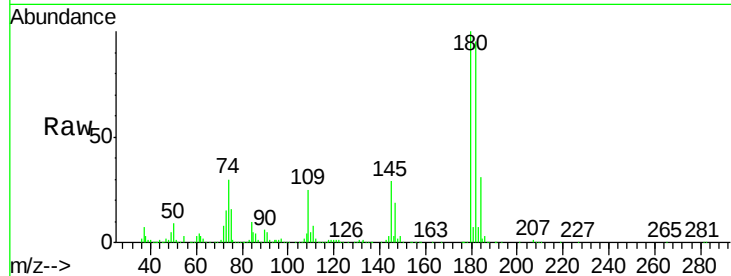
#93
 1,2,4-Trichlorobenzene
 Concen: 21.315 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.1	141.4	
145	30.7	15.2	45.6	

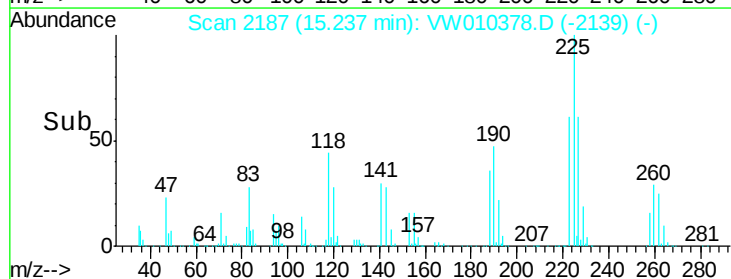
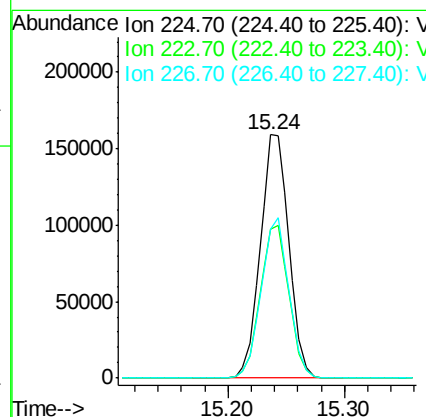
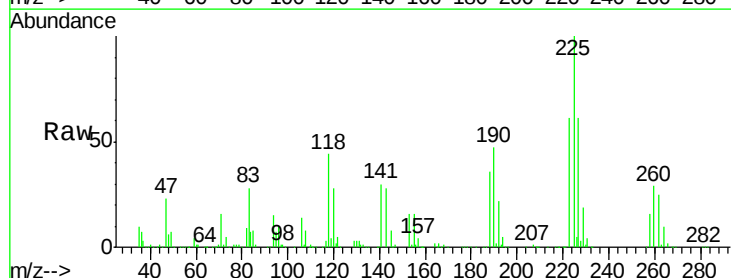
Manual Integrations
 APPROVED

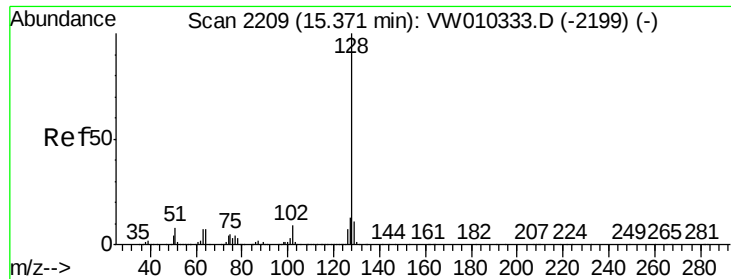
MMDadoda
 5/13/2019 3:44:08 AM



#94
 Hexachlorobutadiene
 Concen: 20.718 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.9	95.5	
227	63.9	31.8	95.3	





#95

Naphthalene

Concen: 18.849 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

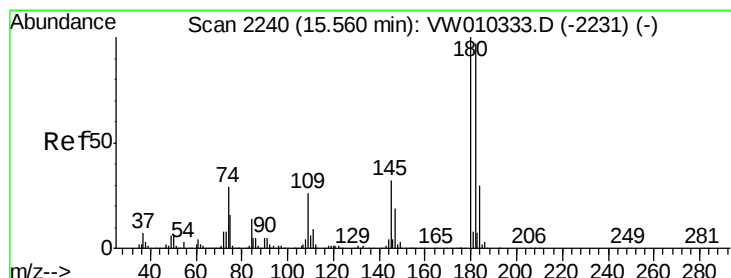
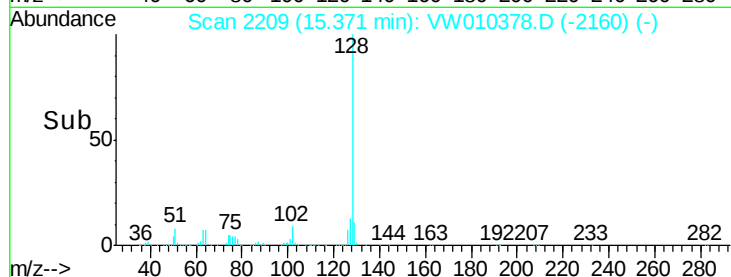
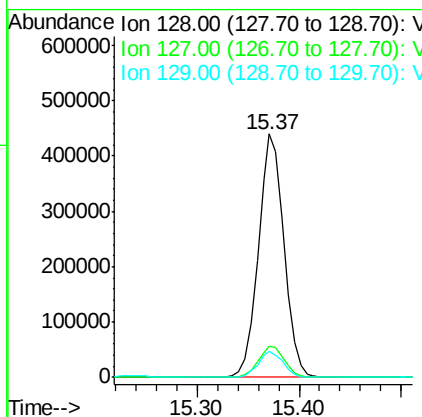
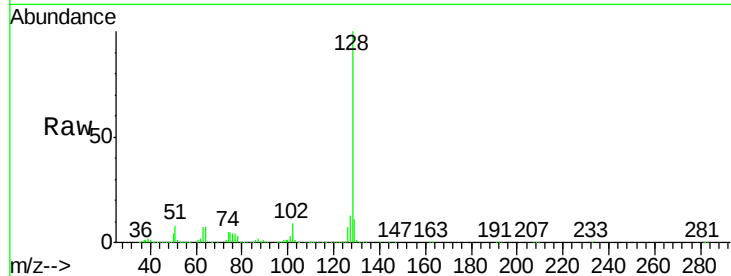
ClientSampleId :

VW0511SBS01

Tot Ion:	128	Resp:	767316
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/13/2019 3:44:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.825 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	180	Resp:	384453
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.8	143.3
145	32.1	16.4	49.2

