

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010376.D
 Acq On : 11 May 2019 12:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:44:07 AM

Quant Time: May 12 00:37:25 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	1361243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2177400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1969592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	960389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	734135	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	666734	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	2728869	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	980109	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	547806	52.441	ug/l	99
3) Chloromethane	2.21	50	733063	52.609	ug/l	97
4) Vinyl Chloride	2.37	62	949335	54.820	ug/l	98
5) Bromomethane	2.78	94	537915	53.866	ug/l	100
6) Chloroethane	2.92	64	568854	56.802	ug/l	97
7) Trichlorofluoromethane	3.25	101	434433	50.112	ug/l	91
8) Diethyl Ether	3.67	74	416531	54.654	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	792654	55.801	ug/l	98
10) Methyl Iodide	4.26	142	1118199	55.587	ug/l	94
11) Tert butyl alcohol	5.17	59	200239	195.925	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	831305	56.005	ug/l	93
13) Acrolein	3.89	56	310289	229.957	ug/l	96
14) Allyl chloride	4.66	41	1293862	58.395	ug/l	92
15) Acrylonitrile	5.36	53	910932	215.648	ug/l	99
16) Acetone	4.12	43	877558	232.607	ug/l	97
17) Carbon Disulfide	4.37	76	2411962	53.727	ug/l	98
18) Methyl Acetate	4.67	43	422848	45.250	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	967026	54.727	ug/l	99
20) Methylene Chloride	4.91	84	856425	54.425	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	899477	56.296	ug/l	97
22) Diisopropyl ether	6.31	45	2628630	61.129	ug/l	93
23) Vinyl Acetate	6.25	43	8006874	271.171	ug/l	97
24) 1,1-Dichloroethane	6.21	63	1674765	57.847	ug/l	99
25) 2-Butanone	7.16	43	1230139	213.140	ug/l	98
26) 2,2-Dichloropropane	7.16	77	845561	58.701	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	960488	58.454	ug/l	97
28) Bromochloromethane	7.51	49	580189	54.357	ug/l	99
29) Tetrahydrofuran	7.52	42	778630	208.578	ug/l	95
30) Chloroform	7.67	83	1584882	58.494	ug/l	99
31) Cyclohexane	7.95	56	1601446	54.023	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1206299	57.478	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1336443	56.608	ug/l	100
37) Ethyl Acetate	7.25	43	541233	43.056	ug/l	98
38) Carbon Tetrachloride	8.07	117	1149970	56.823	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1667246	57.728	ug/l	98
40) Benzene	8.32	78	3670980	56.777	ug/l	99
41) Methacrylonitrile	7.48	41	326843	46.364	ug/l	95
42) 1,2-Dichloroethane	8.40	62	1038105	56.092	ug/l	98
43) Isopropyl Acetate	8.43	43	986830	47.336	ug/l	96
44) Trichloroethene	9.09	130	917847	56.704	ug/l	97
45) 1,2-Dichloropropane	9.37	63	937585	58.338	ug/l	97
46) Dibromomethane	9.46	93	436876	52.618	ug/l	98
47) Bromodichloromethane	9.64	83	1162767	58.382	ug/l	99
48) Methyl methacrylate	9.43	41	487287	49.435	ug/l	87
49) 1,4-Dioxane	9.45	88	132485	914.992	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	2669427	223.307	ug/l	94
52) Toluene	10.38	92	2305353	58.335	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1180440	58.513	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	1426514	59.707	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	628066	53.259	ug/l	99
56) Ethyl methacrylate	10.65	69	849824	54.571	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1158855	54.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1830086	245.451	ug/l	100
59) 2-Hexanone	10.97	43	1912357	226.262	ug/l	93
60) Dibromochloromethane	11.13	129	717477	56.540	ug/l	100
61) 1,2-Dibromoethane	11.23	107	595977	52.645	ug/l	99
64) Tetrachloroethene	10.86	164	750829	54.542	ug/l	99
65) Chlorobenzene	11.66	112	2338890	57.366	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	796743	57.818	ug/l	97
67) Ethyl Benzene	11.73	91	4456368	59.415	ug/l	98
68) m/p-Xylenes	11.84	106	3315401	118.971	ug/l	98
69) o-Xylene	12.16	106	1534242	60.861	ug/l	97
70) Styrene	12.18	104	2697745	61.417	ug/l	98
71) Bromoform	12.35	173	395507	50.208	ug/l #	99
73) Isopropylbenzene	12.47	105	4296824	61.381	ug/l	100
74) N-amyl acetate	12.27	43	935613	51.734	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	738916	47.907	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	523244m	46.729	ug/l	
77) Bromobenzene	12.75	156	925160	58.531	ug/l	100
78) n-propylbenzene	12.80	91	5301922	61.323	ug/l	100
79) 2-Chlorotoluene	12.90	91	2963657	60.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3642891	61.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	237446	47.889	ug/l	93
82) 4-Chlorotoluene	12.99	91	3083364	59.768	ug/l	99
83) tert-Butylbenzene	13.21	119	3023994	61.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3608311	61.528	ug/l	99
85) sec-Butylbenzene	13.38	105	4435018	61.032	ug/l	100
86) p-Isopropyltoluene	13.50	119	4024712	62.380	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1871727	59.302	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1825112	58.269	ug/l	99
89) n-Butylbenzene	13.83	91	4052479	62.642	ug/l	98
90) Hexachloroethane	14.10	117	708745	59.226	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	1621462	58.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	115928	41.738	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1189561	62.384	ug/l	100
94) Hexachlorobutadiene	15.24	225	736492	60.248	ug/l	99
95) Naphthalene	15.37	128	2101985	48.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1030780	59.837	ug/l	99

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

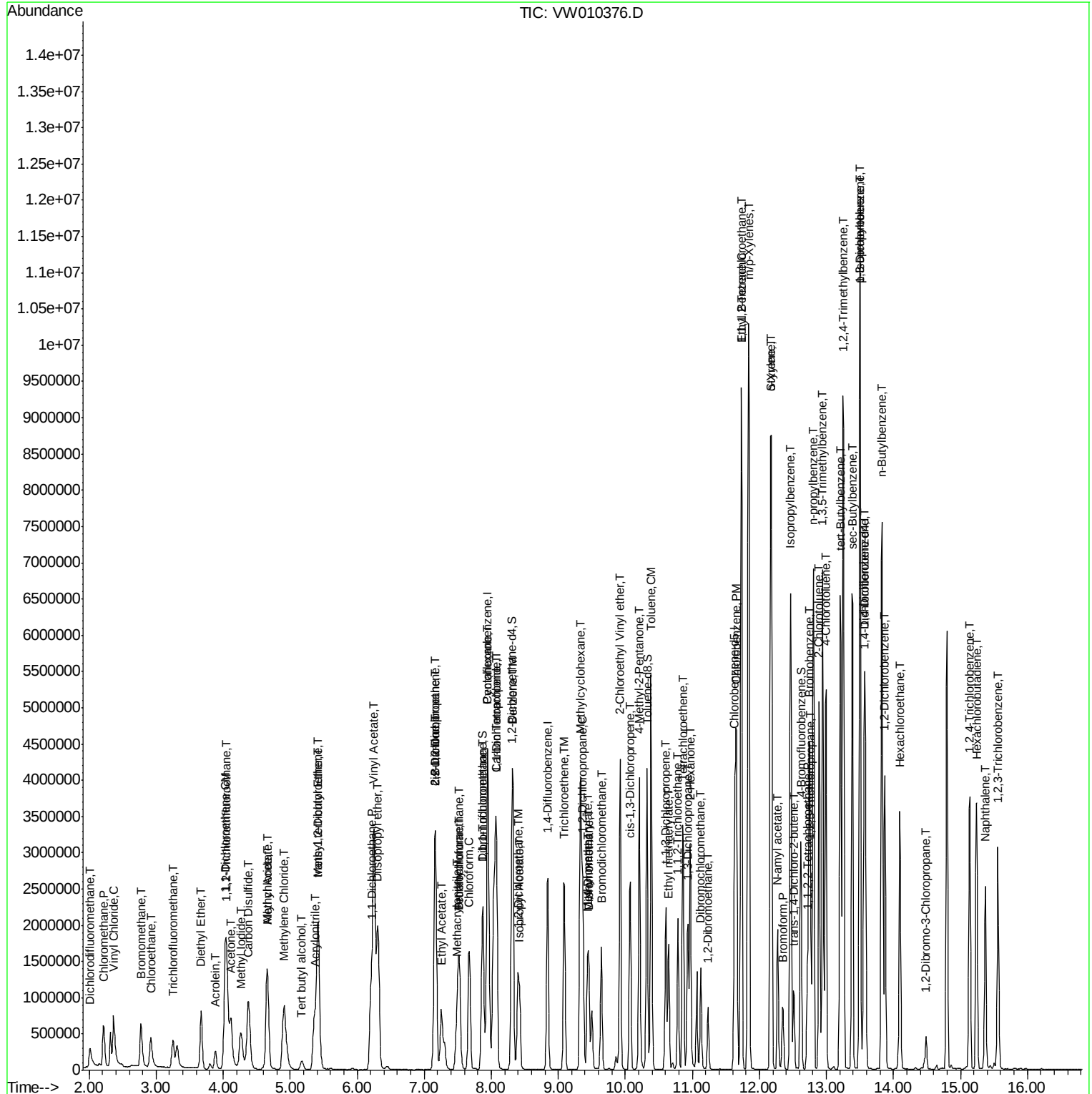
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051119\
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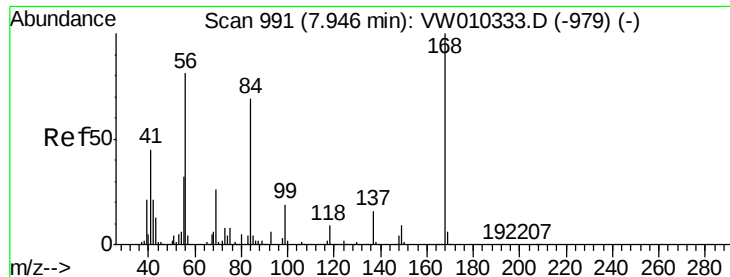
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1361243

Ion Ratio Lower Upper

168 100

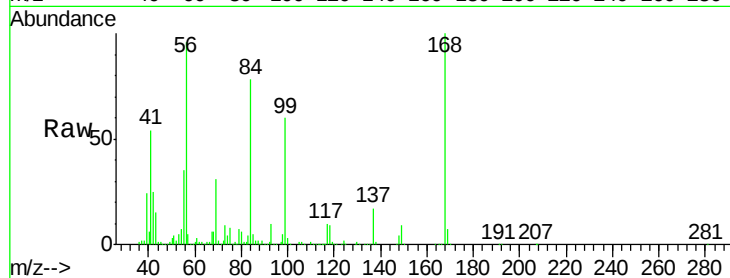
99 59.6 48.4 72.6

Manual Integrations

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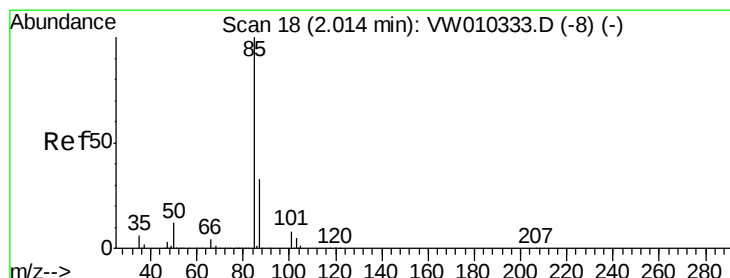
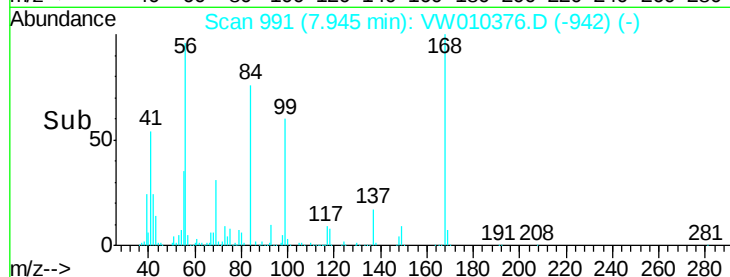
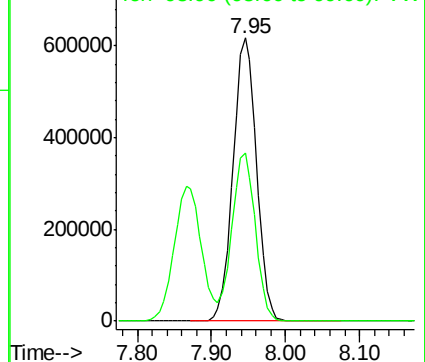
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.441 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010376.D

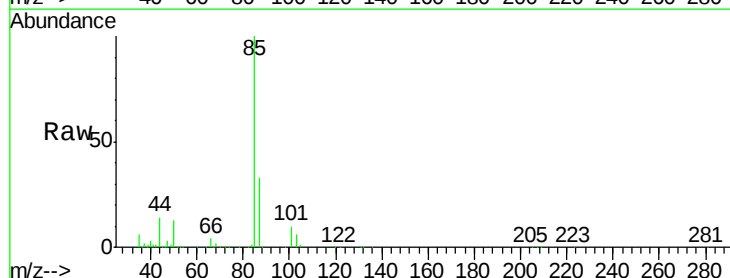
Acq: 11 May 2019 12:37

Tgt Ion: 85 Resp: 547806

Ion Ratio Lower Upper

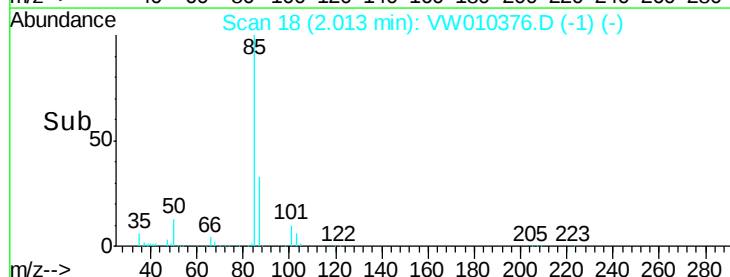
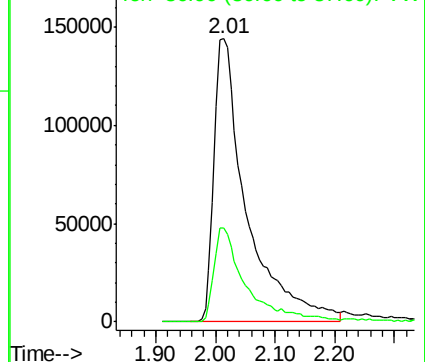
85 100

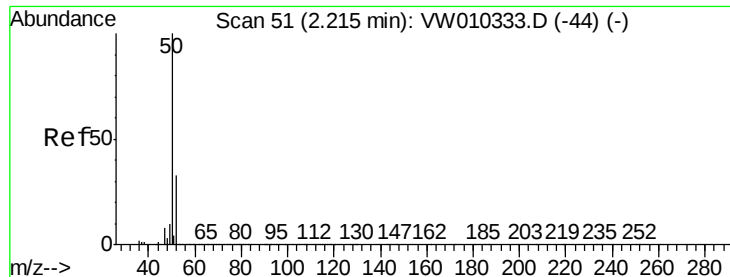
87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.609 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 733063

Ion Ratio Lower Upper

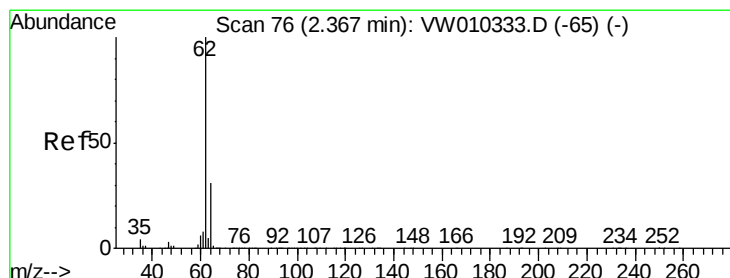
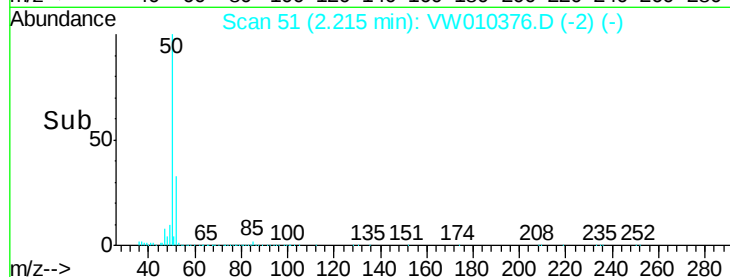
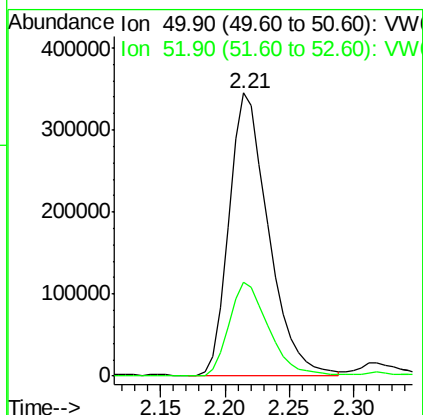
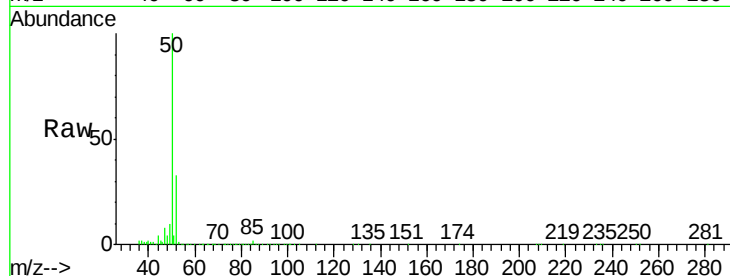
50 100

52 33.2 25.0 37.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 54.820 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010376.D

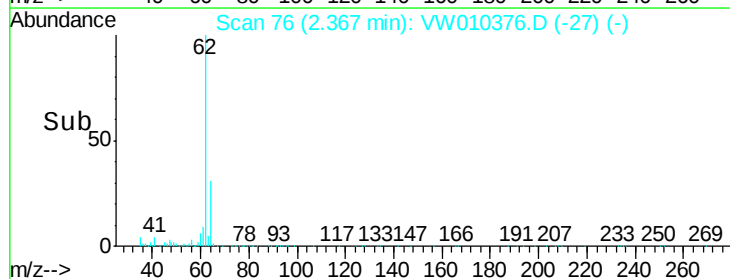
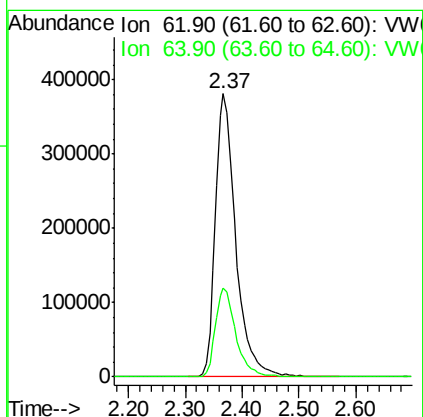
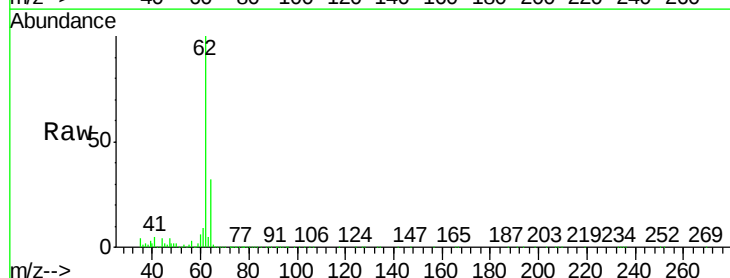
Acq: 11 May 2019 12:37

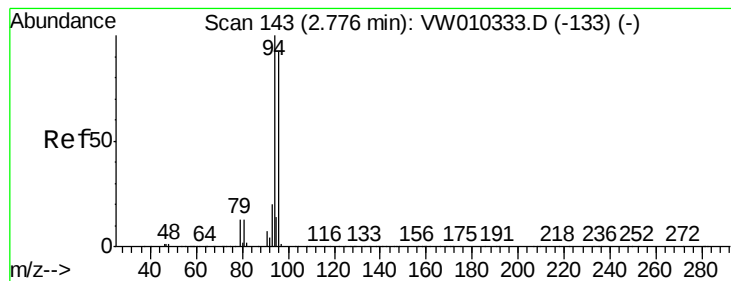
Tgt Ion: 62 Resp: 949335

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 53.866 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 537915

Ion Ratio Lower Upper

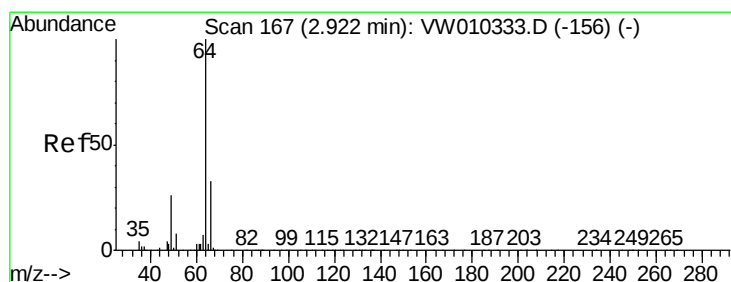
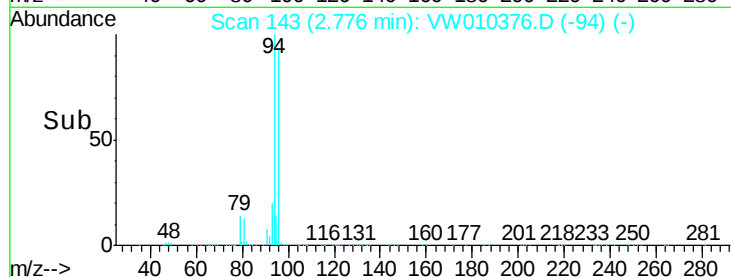
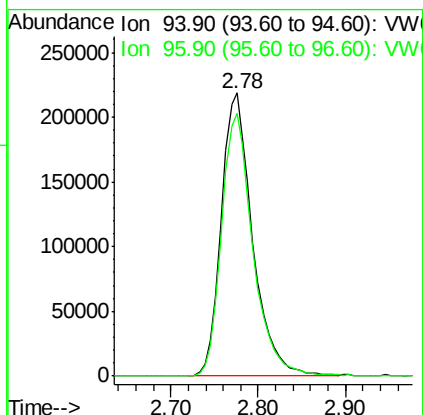
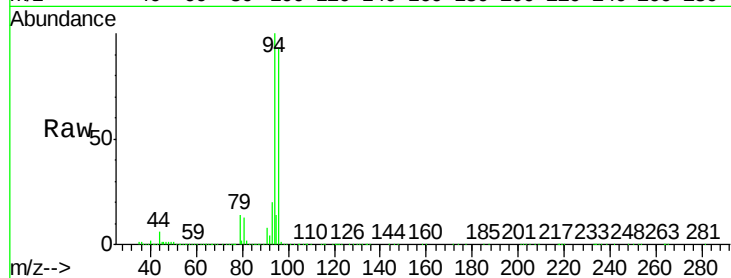
94 100

96 93.1 74.2 111.2

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#6

Chloroethane

Concen: 56.802 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010376.D

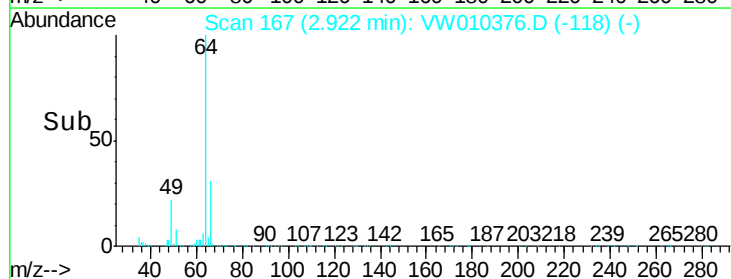
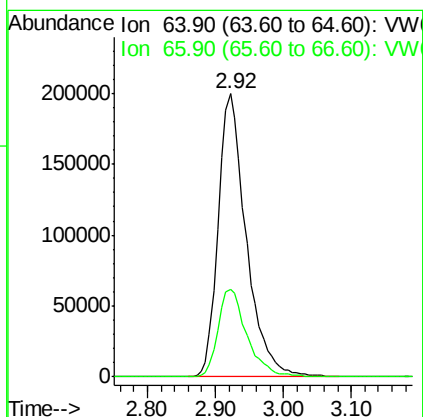
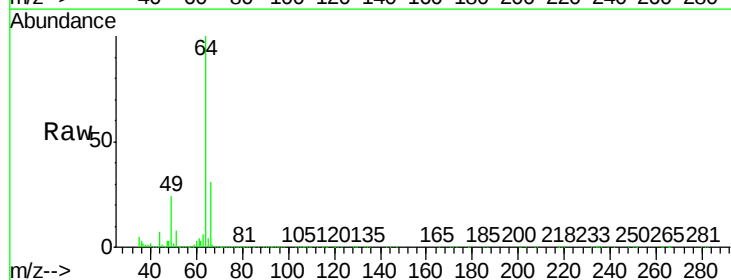
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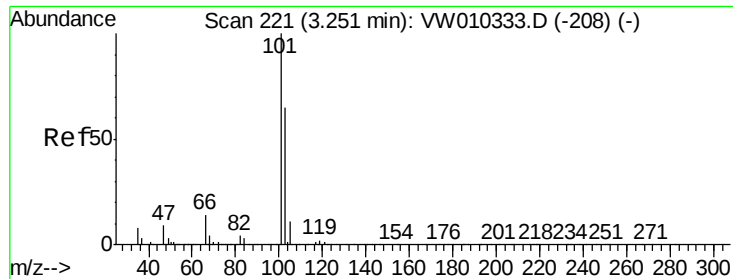
Tgt Ion: 64 Resp: 568854

Ion Ratio Lower Upper

64 100

66 30.6 23.4 35.0





#7

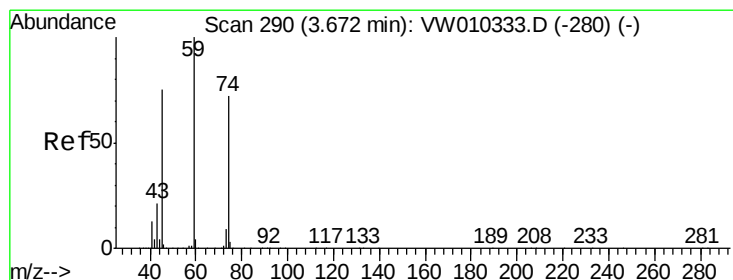
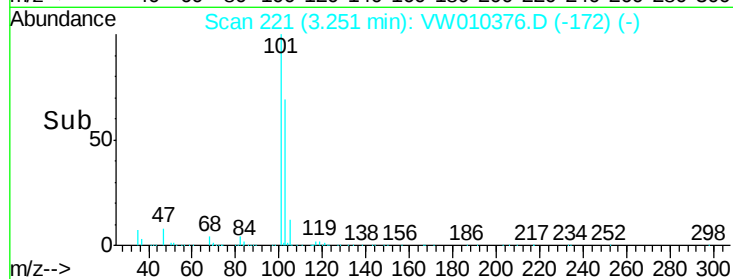
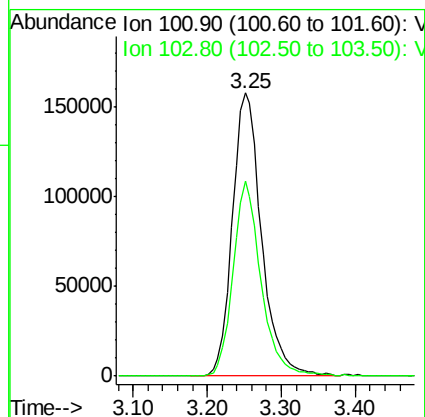
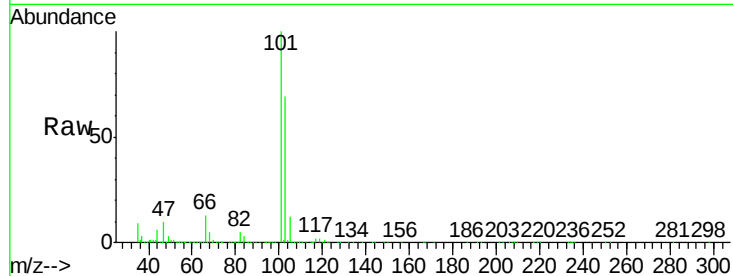
Trichlorofluoromethane
Concen: 50.112 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	49.8	74.6

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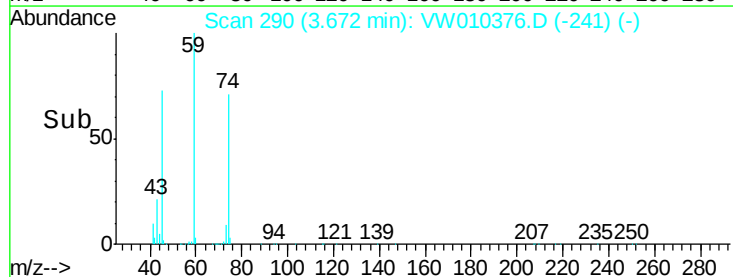
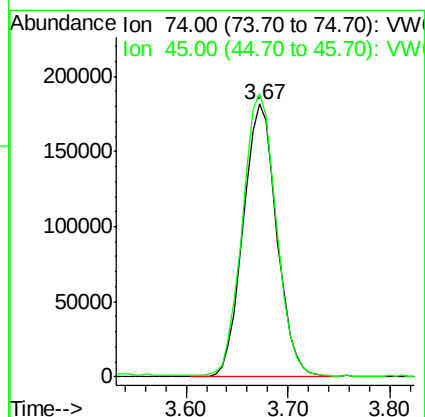
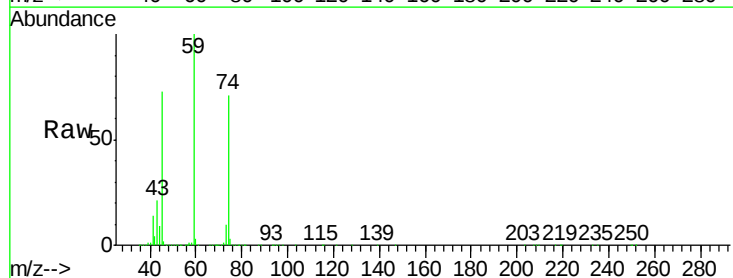
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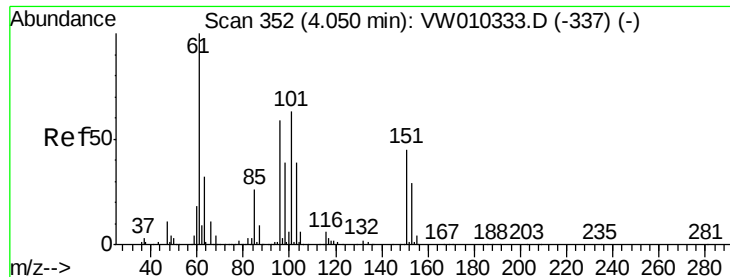


#8

Diethyl Ether
Concen: 54.654 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.801 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

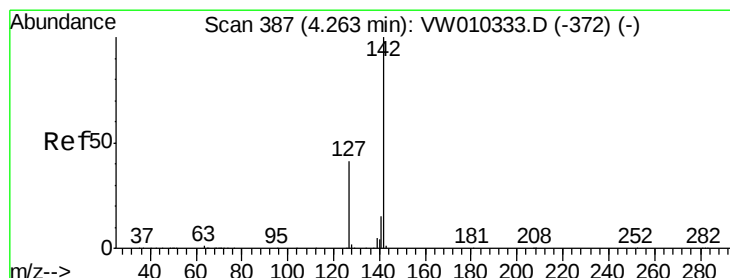
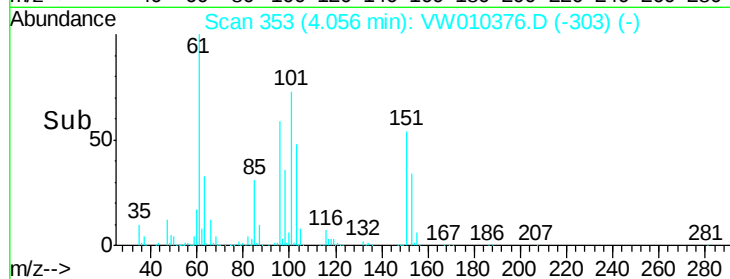
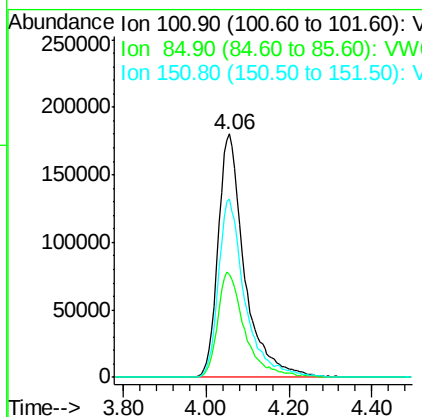
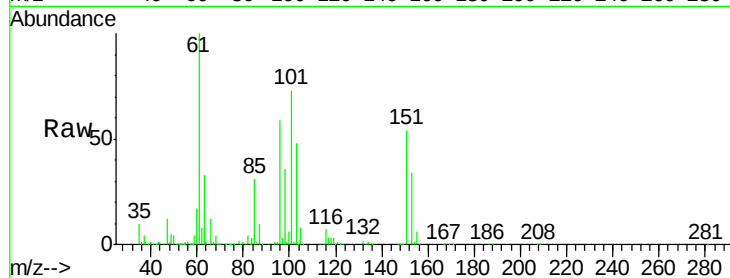
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	792654
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.3	54.5
151	73.4	60.2	90.2

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#10

Methyl Iodide

Concen: 55.587 ug/l

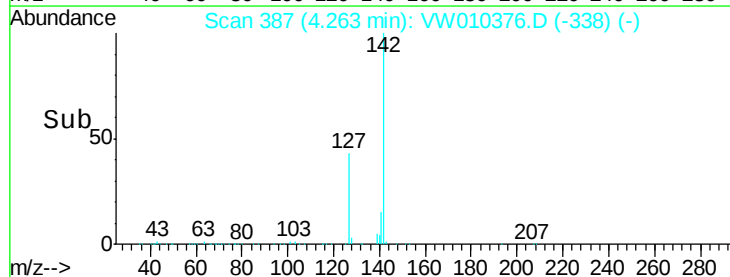
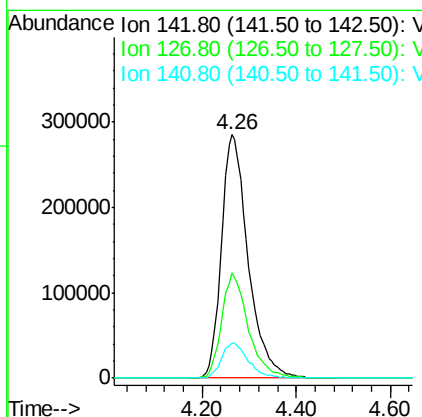
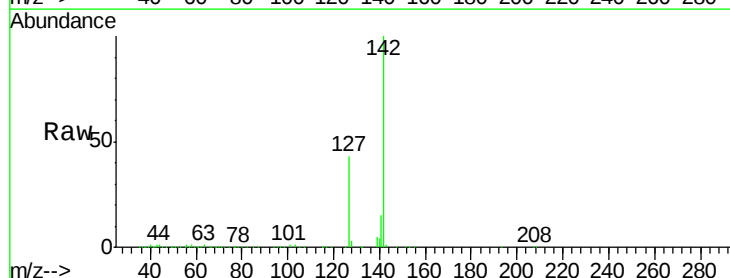
RT: 4.26 min Scan# 387

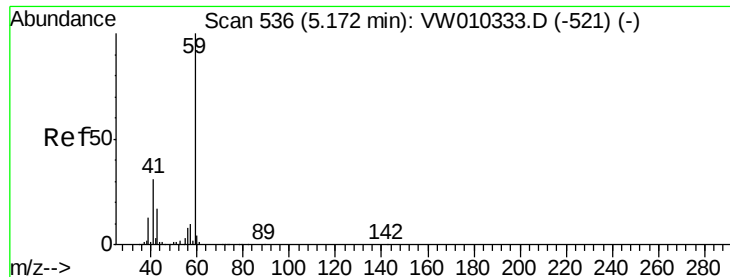
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion:	142	Resp:	1118199
Ion Ratio	Lower	Upper	
142	100		
127	43.0	38.1	57.1
141	14.6	12.2	18.2





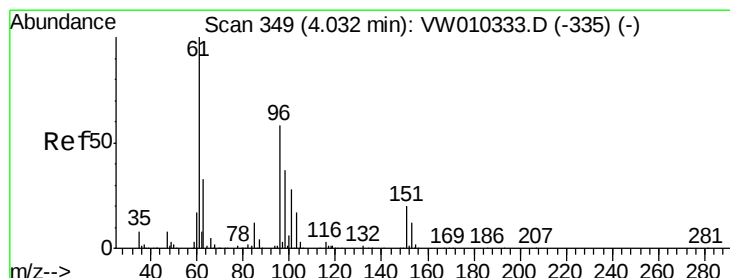
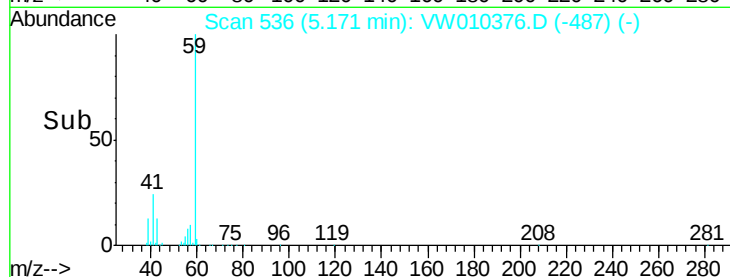
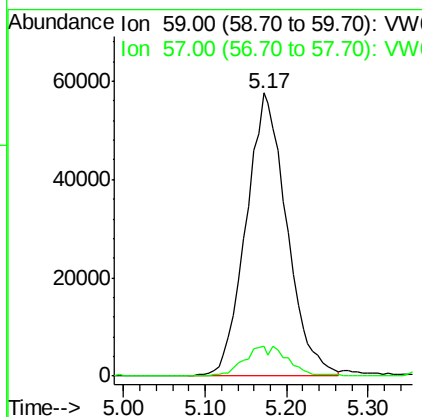
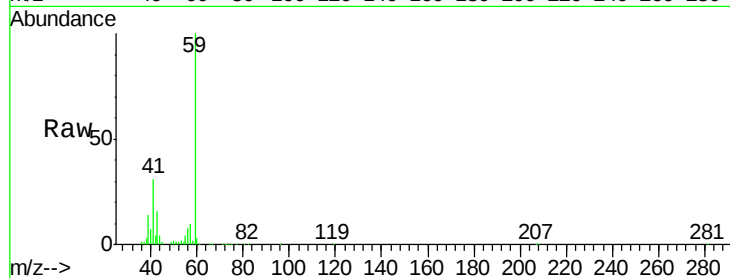
#11
Tert butyl alcohol
Concen: 195.925 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	200239		
57	6.4	9.0	13.4	#

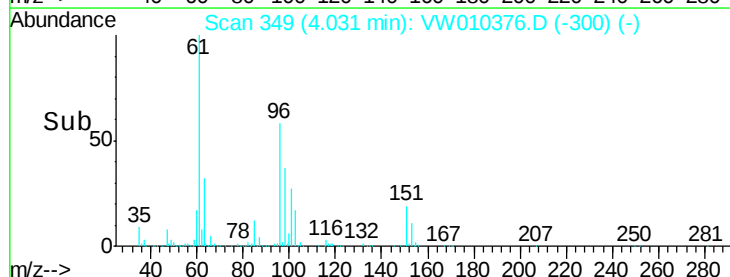
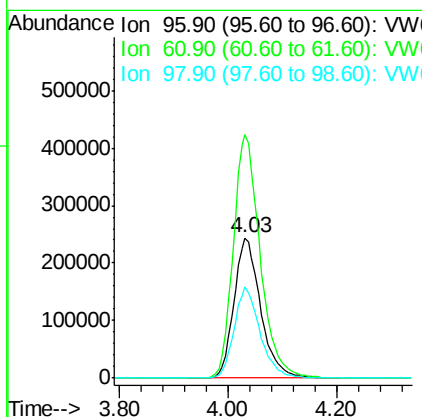
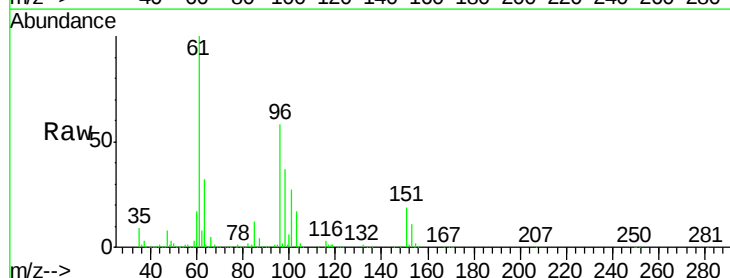
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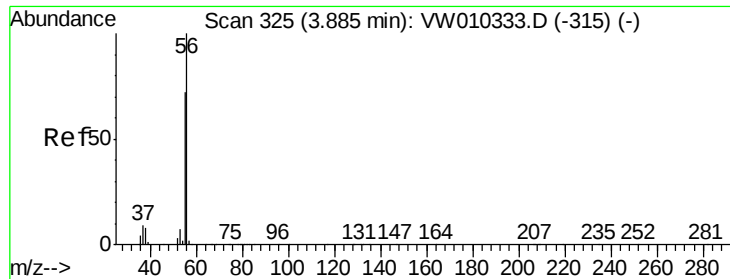
MMDadoda
5/13/2019 3:44:07 AM



#12
1,1-Dichloroethene
Concen: 56.005 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	831305		
61	173.3	147.4	221.2	
98	64.6	49.7	74.5	





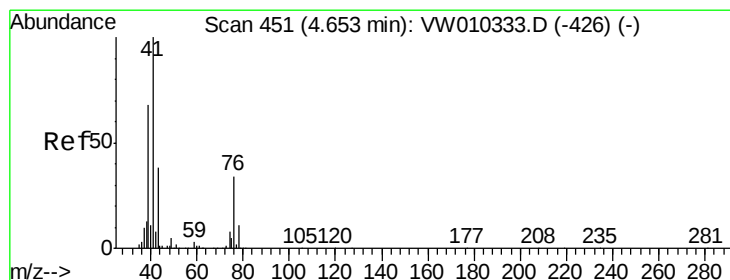
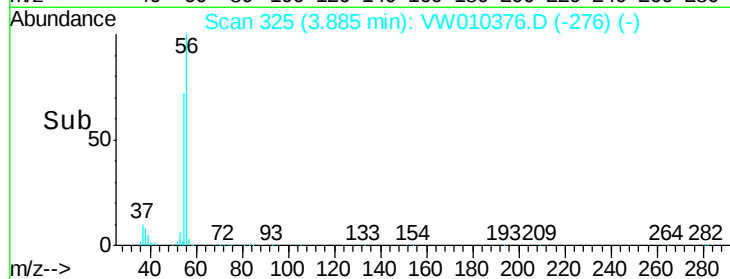
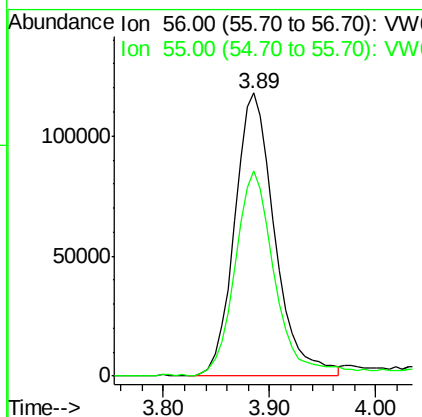
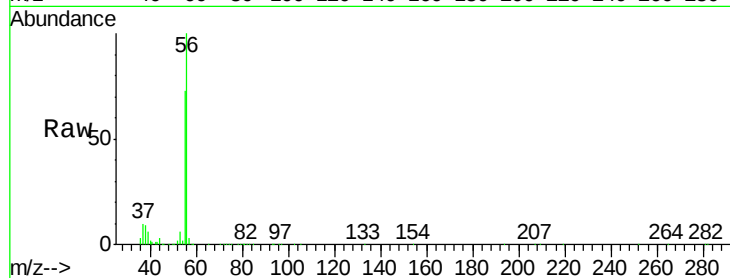
#13
Acrolein
Concen: 229.957 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	54.2	81.2

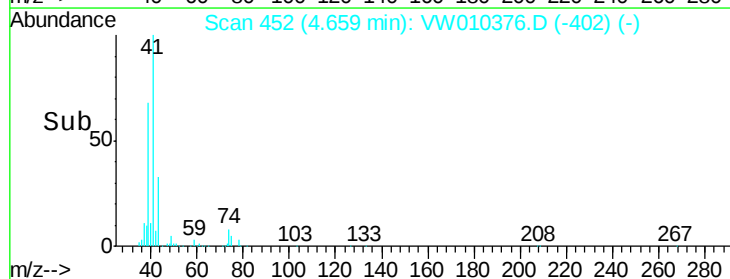
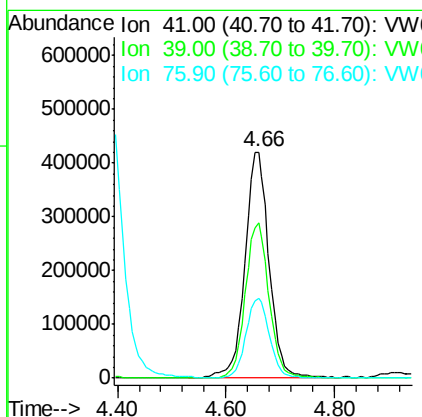
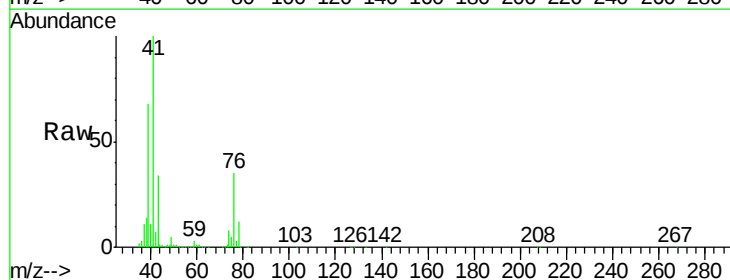
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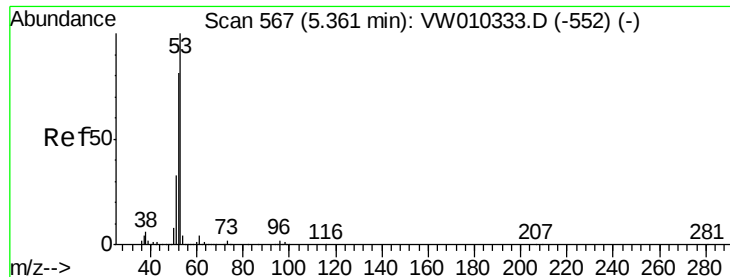
MMDadoda
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#14
Allyl chloride
Concen: 58.395 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.2	60.2	90.4
76	34.4	25.0	37.6





#15

Acrylonitrile

Concen: 215.648 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

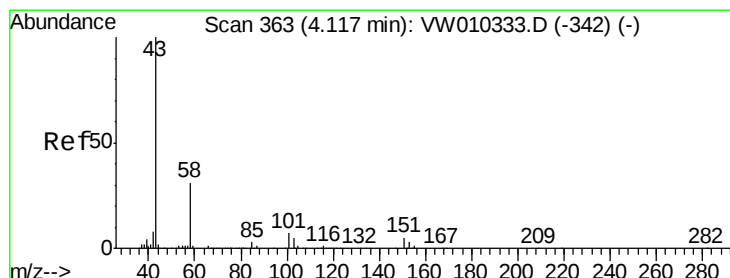
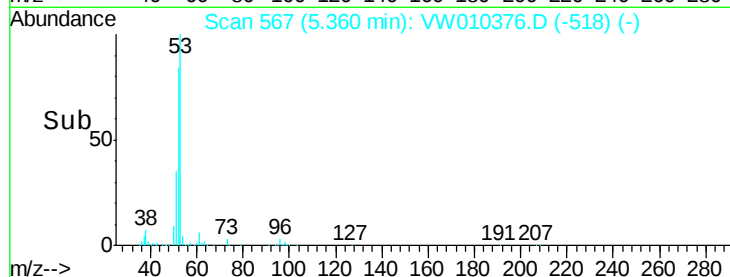
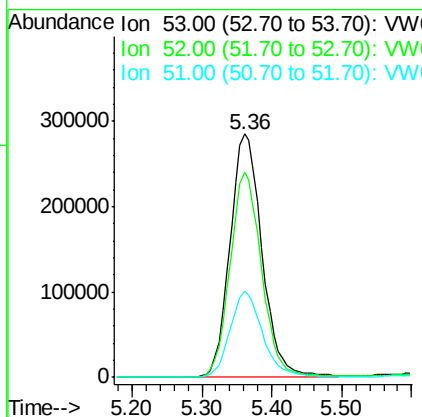
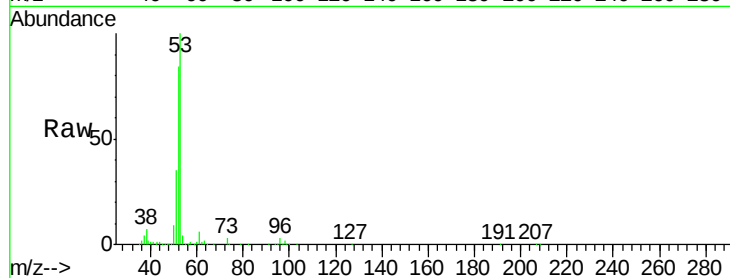
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	910932
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	35.9	30.3	45.5

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#16

Acetone

Concen: 232.607 ug/l

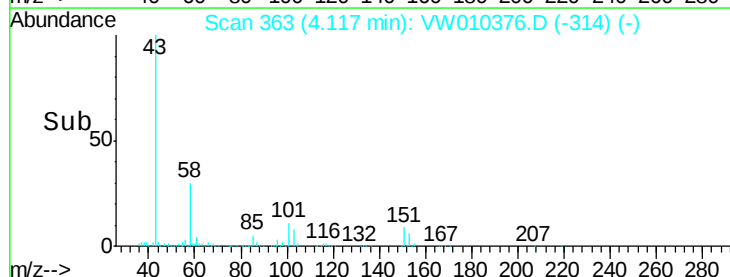
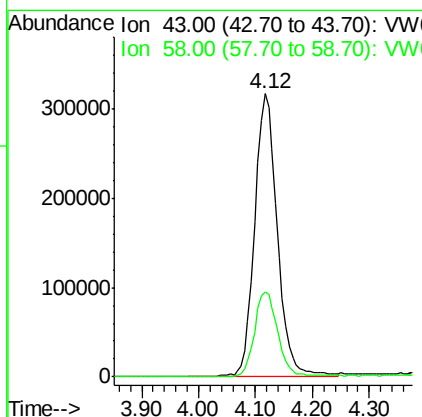
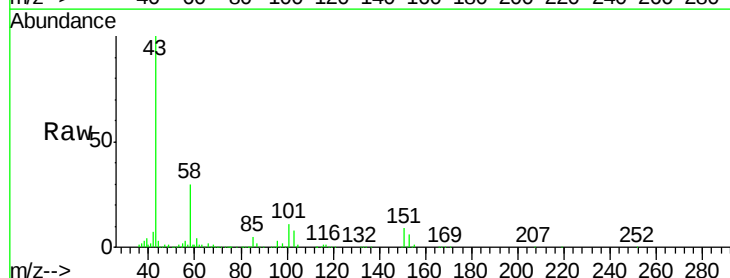
RT: 4.12 min Scan# 363

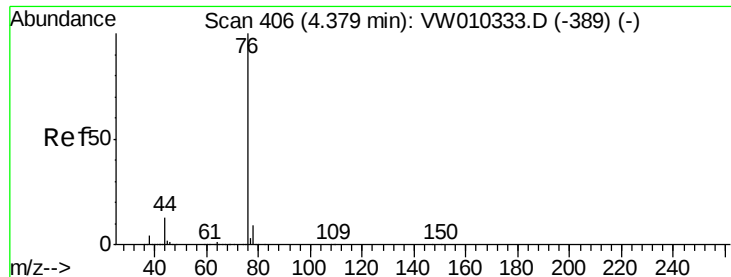
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion:	43	Resp:	877558
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.7	34.1





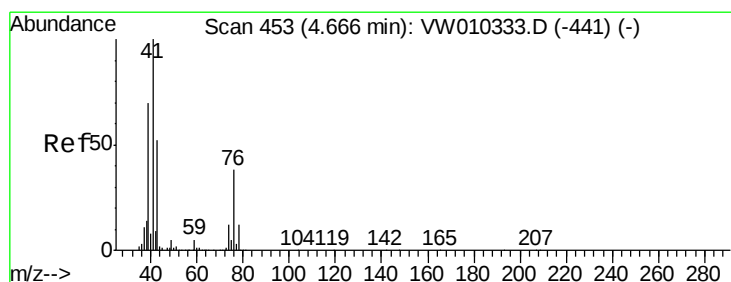
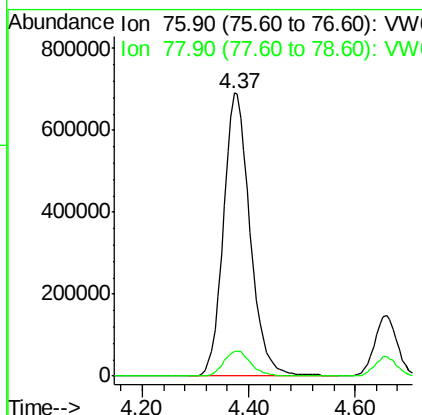
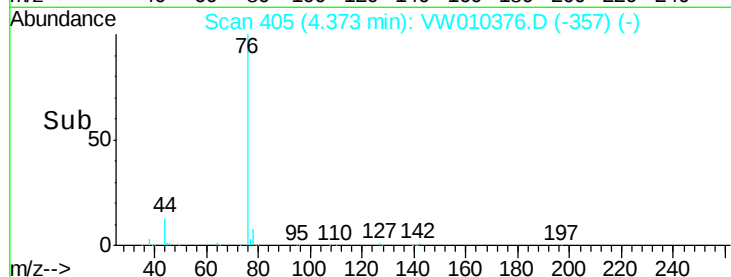
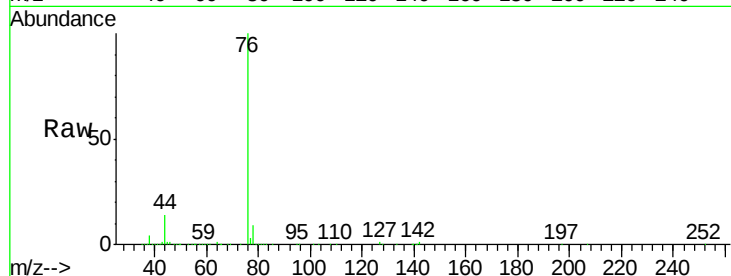
#17
Carbon Disulfide
Concen: 53.727 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2411962
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

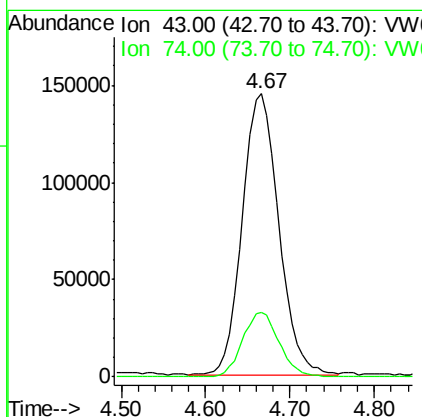
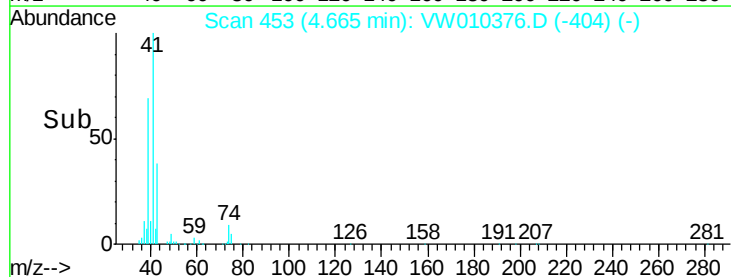
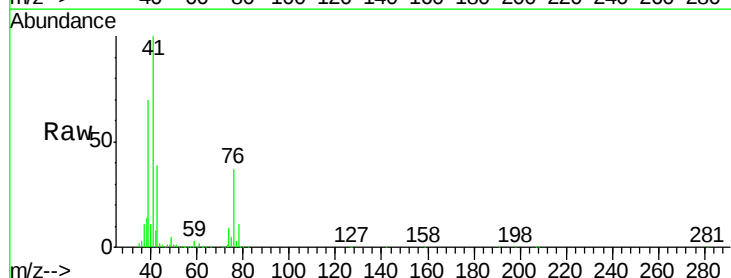
Manual Integrations
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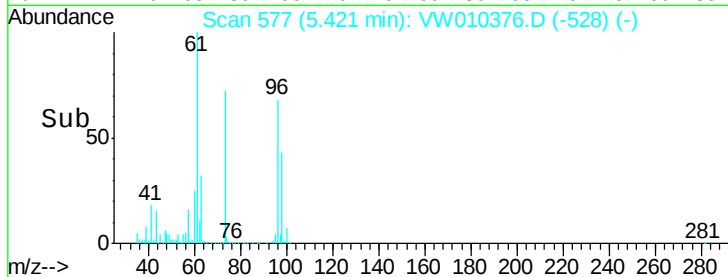
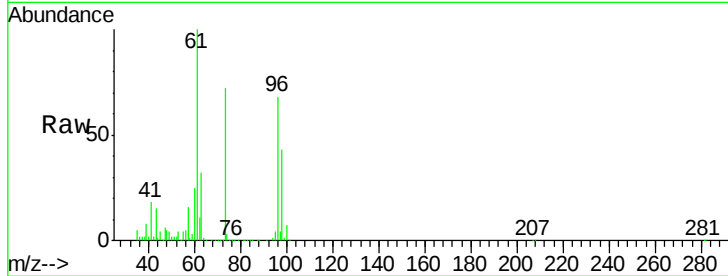
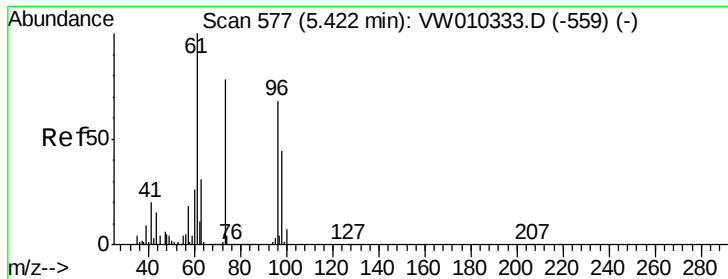
MMDadoda
5/13/2019 3:44:07 AM



#18
Methyl Acetate
Concen: 45.250 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 43 Resp: 422848
Ion Ratio Lower Upper
43 100
74 23.3 16.8 25.2





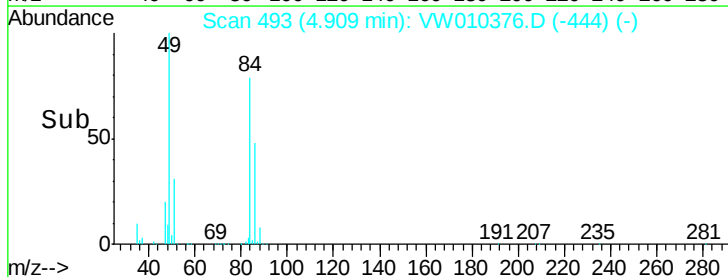
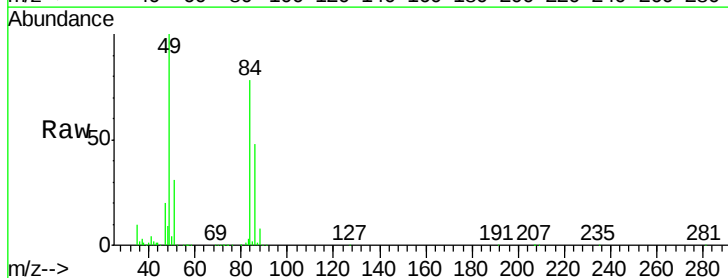
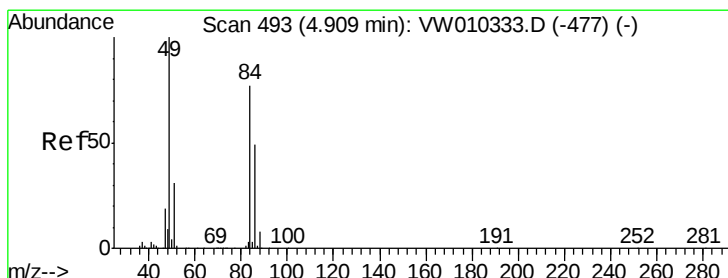
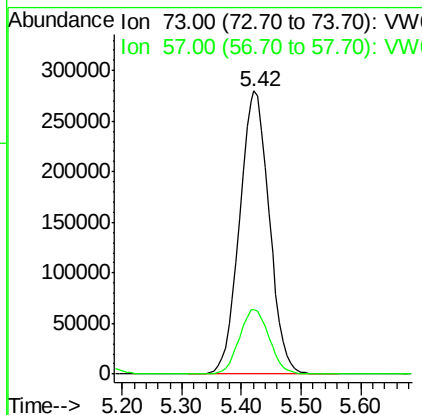
#19
Methvl tert-butvl Ether
Concen: 54.727 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

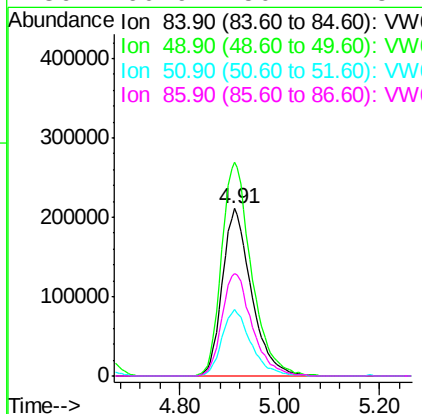
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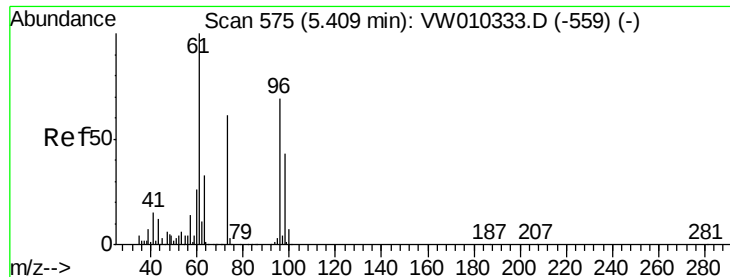
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#20
Methylene Chloride
Concen: 54.425 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.5	112.3	168.5
51	40.0	33.9	50.9
86	60.9	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 56.296 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

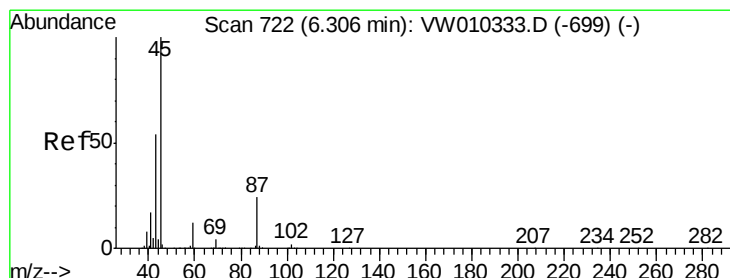
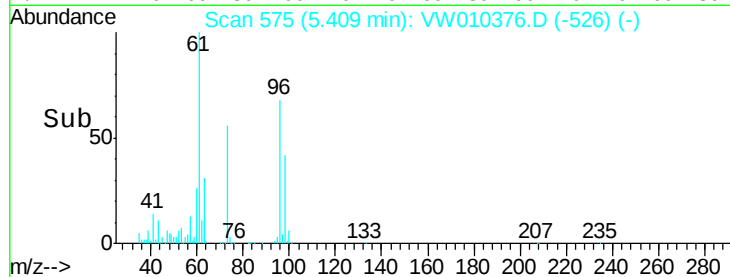
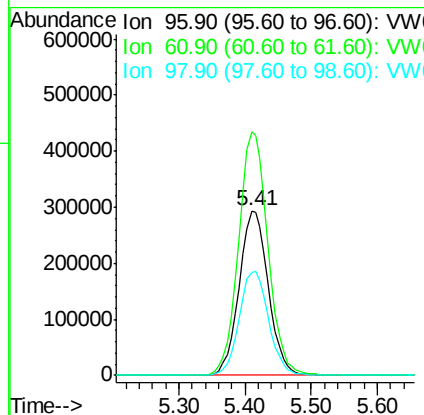
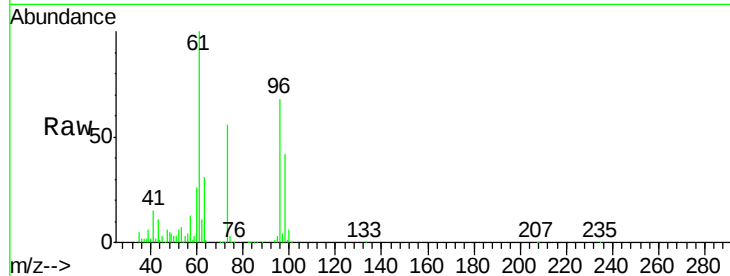
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	899477
Ion	Ratio	Lower	Upper
96	100		
61	148.1	122.3	183.5
98	62.4	50.5	75.7

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#22

Diisopropyl ether

Concen: 61.129 ug/l

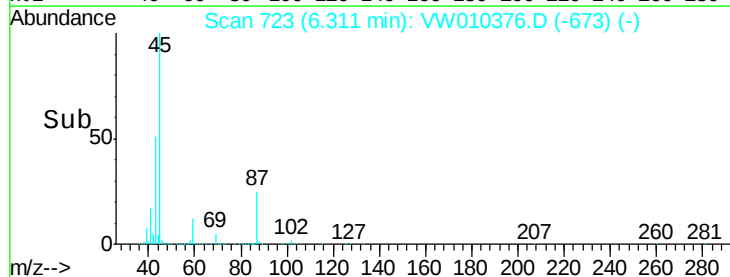
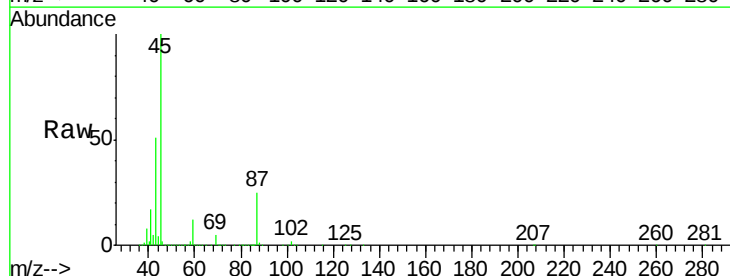
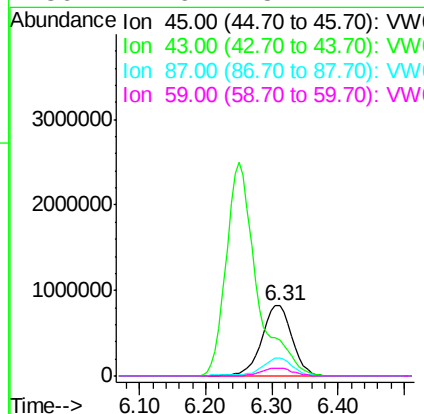
RT: 6.31 min Scan# 723

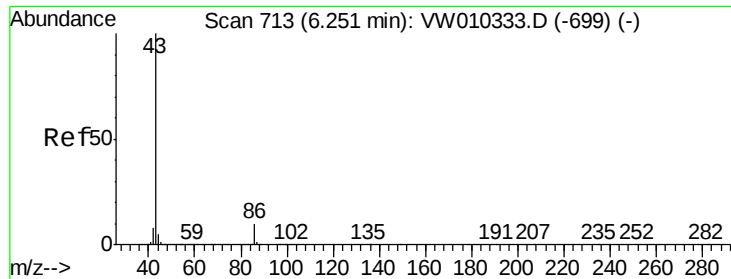
Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion:	45	Resp:	2628630
Ion	Ratio	Lower	Upper
45	100		
43	51.4	46.1	69.1
87	25.2	18.3	27.5
59	11.6	8.2	12.4





#23

Vinyl Acetate

Concen: 271.171 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 8006874

Ion Ratio Lower Upper

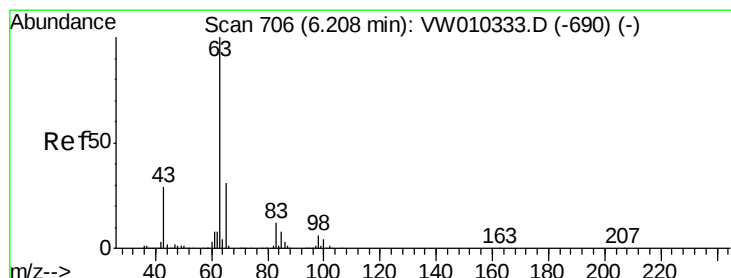
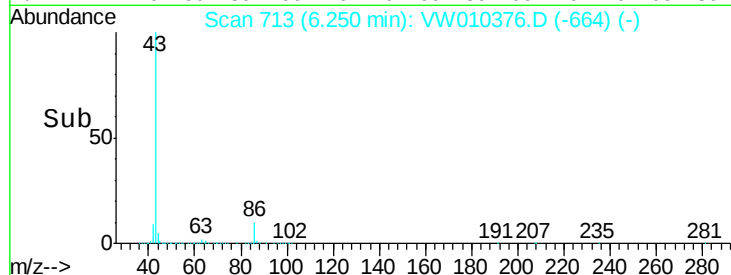
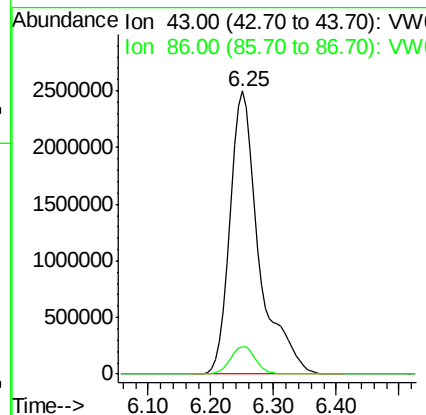
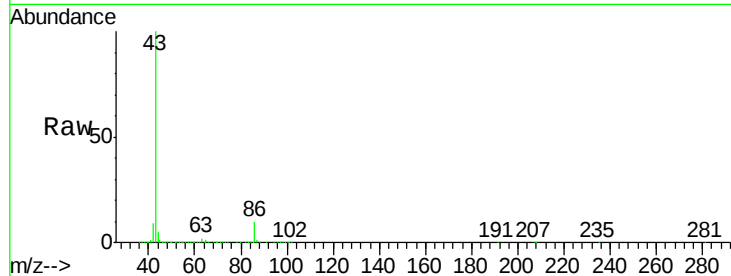
43 100

86 9.8 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 57.847 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

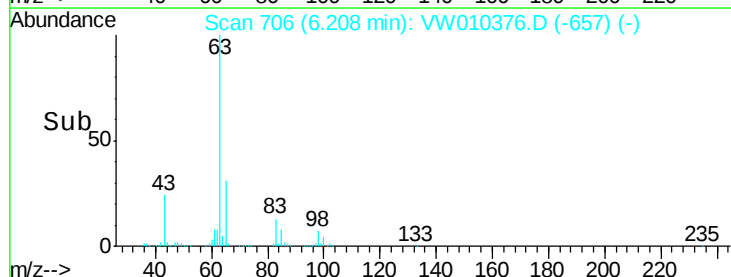
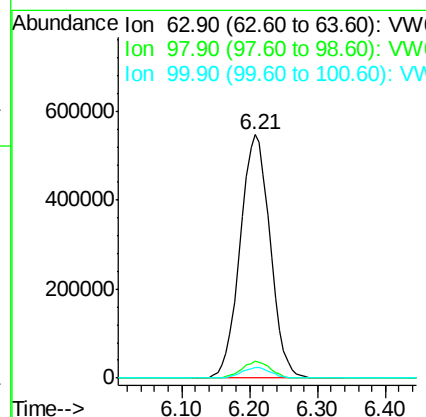
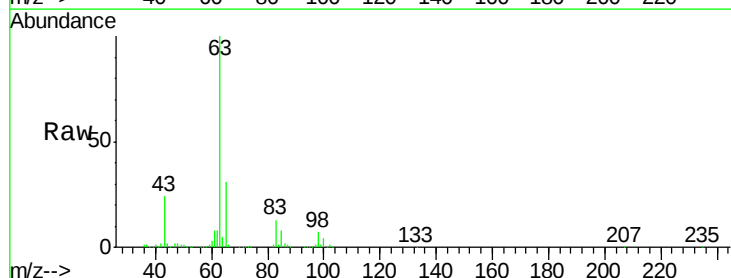
Tgt Ion: 63 Resp: 1674765

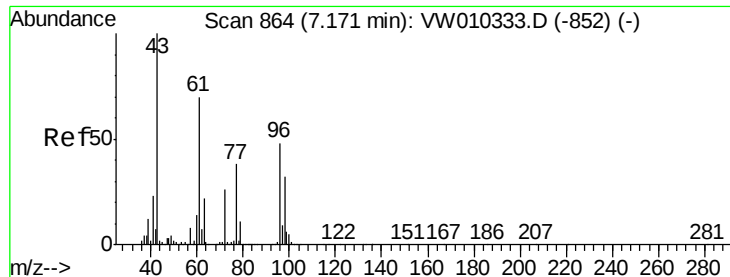
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 213.140 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1230139

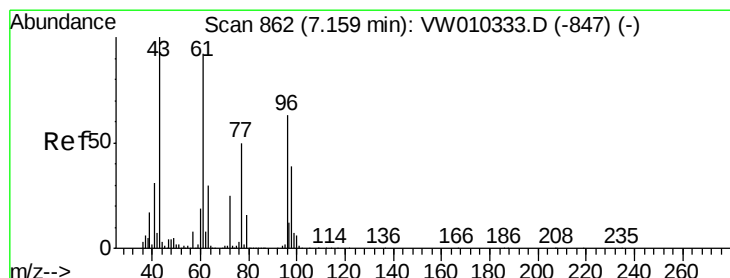
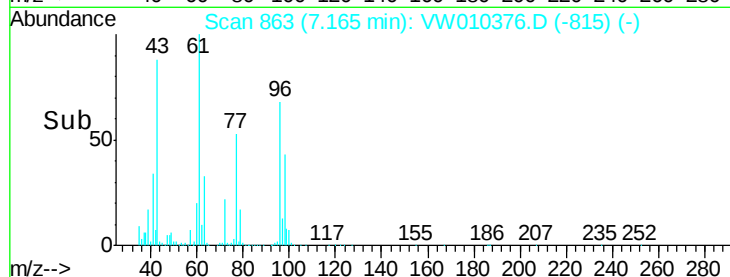
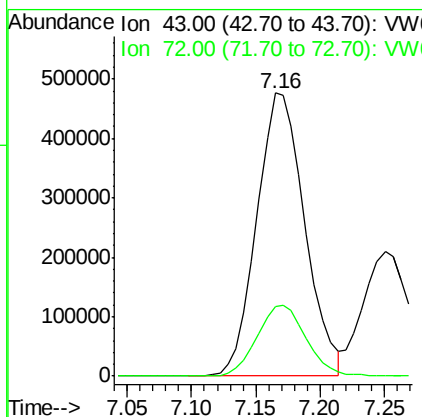
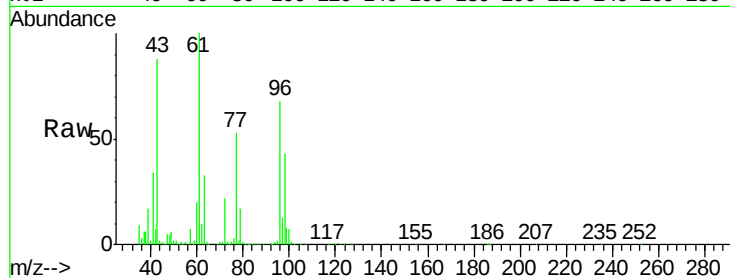
Ion Ratio Lower Upper

43 100

72 24.7 19.1 28.7

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#26

2,2-Dichloropropane

Concen: 58.701 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010376.D

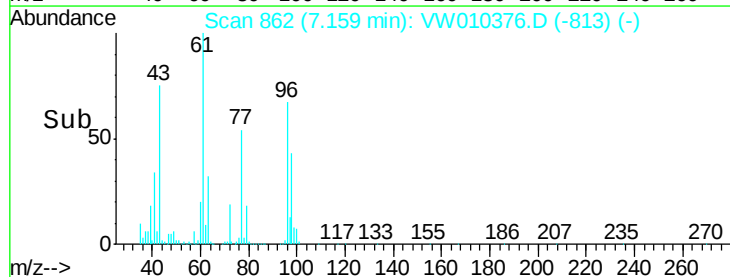
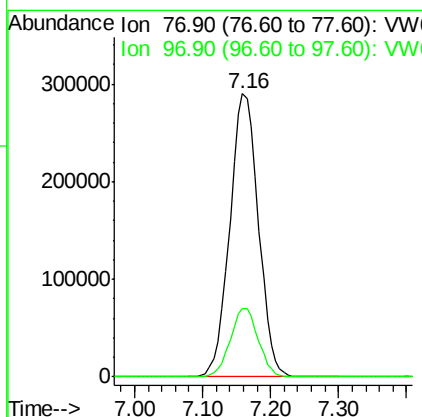
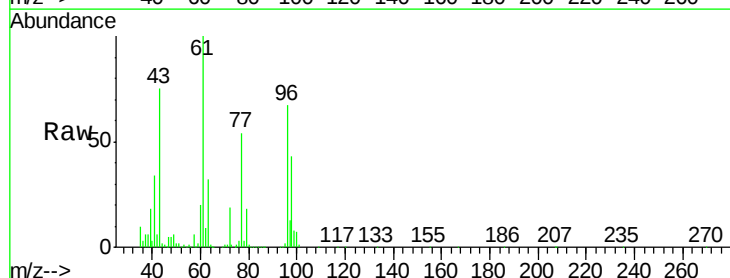
Acq: 11 May 2019 12:37

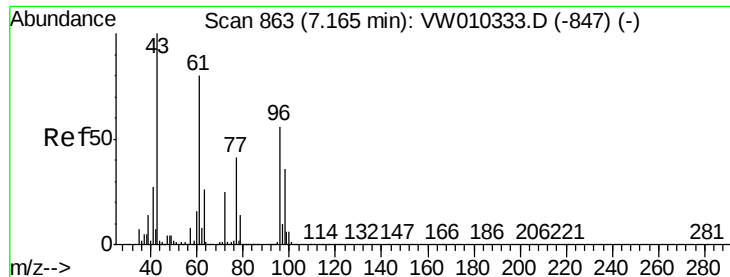
Tgt Ion: 77 Resp: 845561

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.9





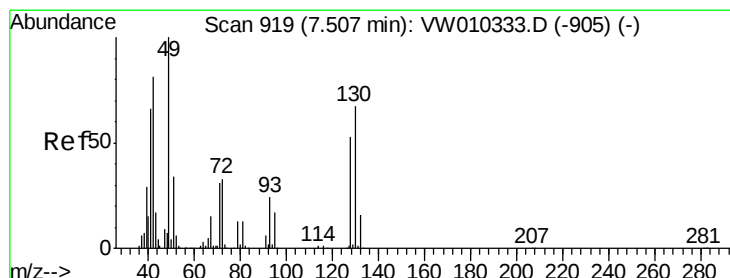
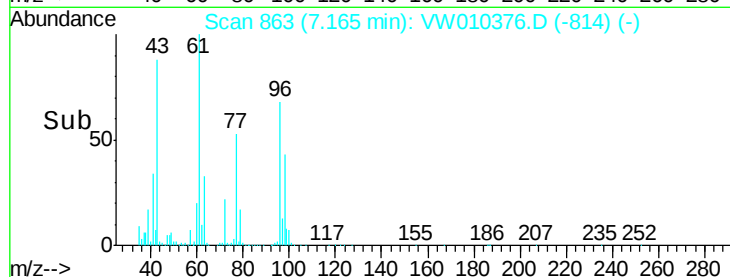
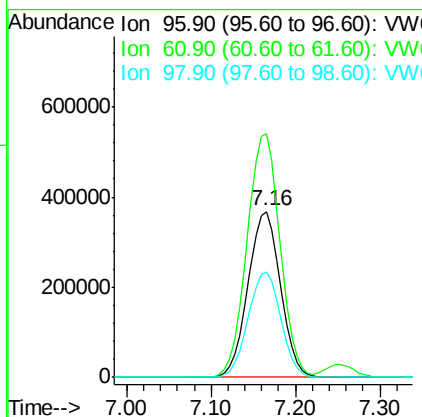
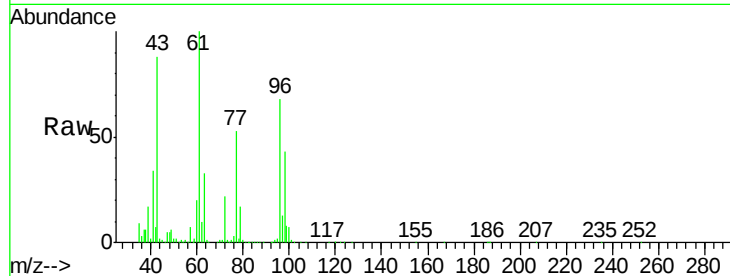
#27
 cis-1,2-Dichloroethene
 Concen: 58.454 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.3	0.0	309.4	
98	64.2	0.0	128.6	

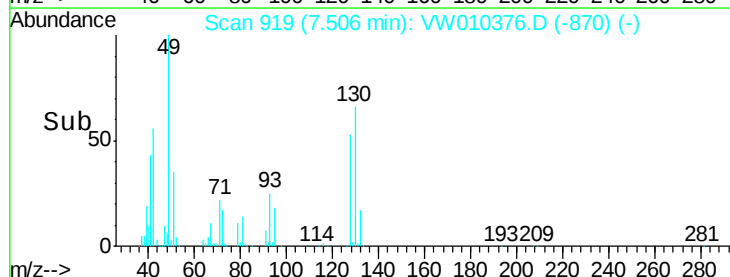
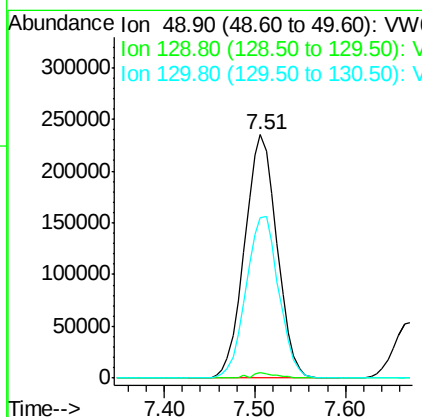
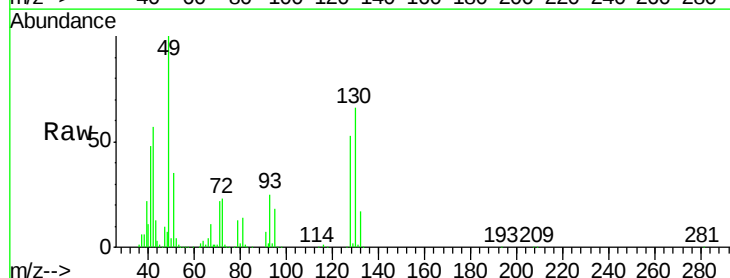
Manual Integrations
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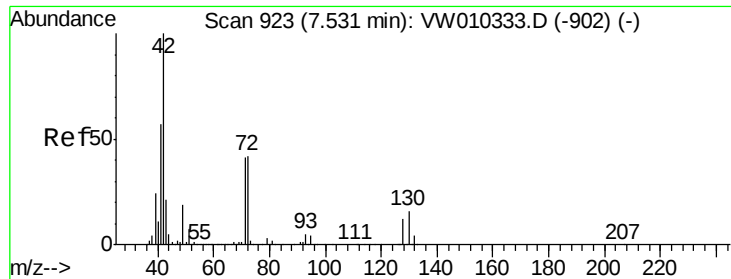
MMDadoda
 5/13/2019 3:44:07 AM



#28
 Bromochloromethane
 Concen: 54.357 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	67.3	54.6	82.0	





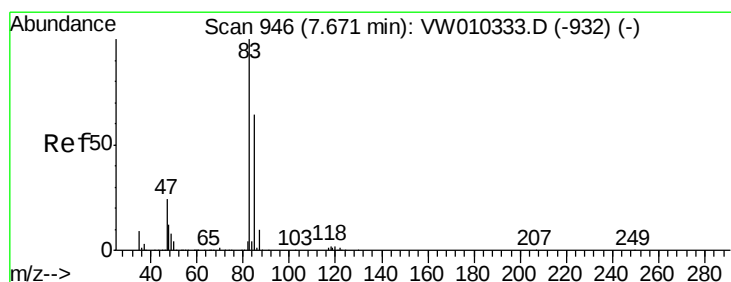
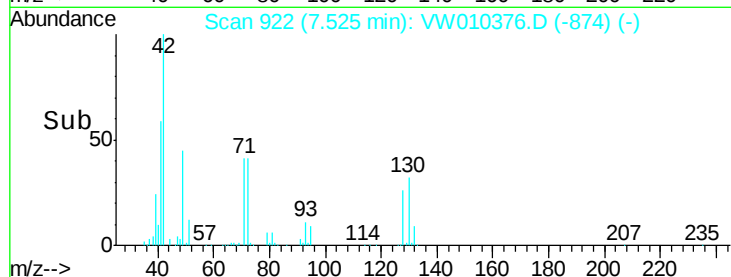
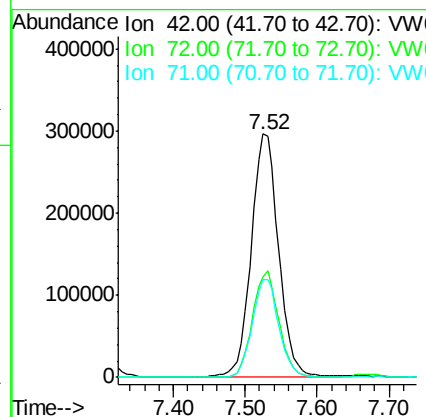
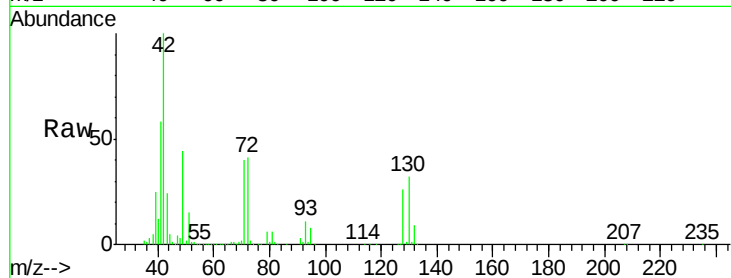
#29
Tetrahydrofuran
Concen: 208.578 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.0	46.6
71	39.5	29.7	44.5

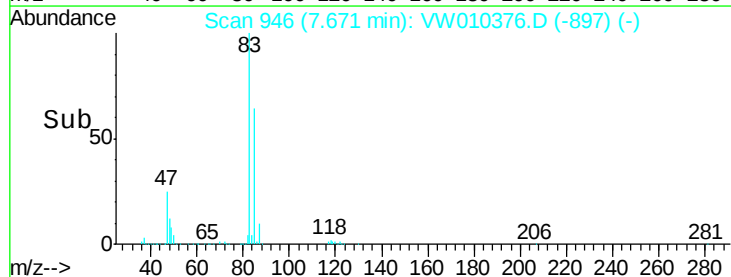
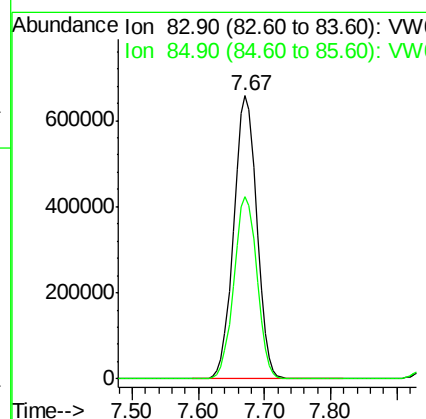
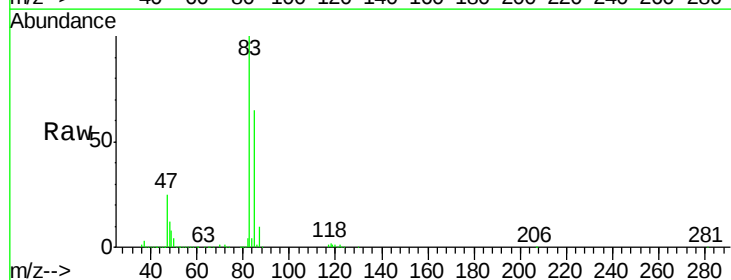
Manual Integrations
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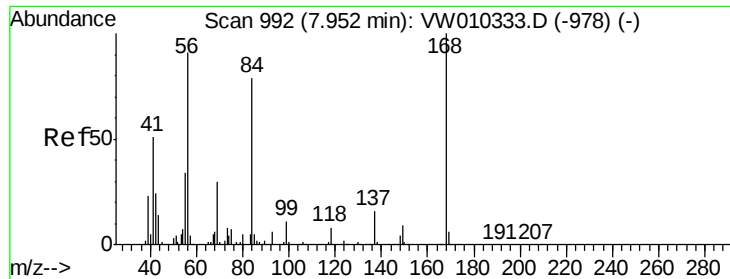
MMDadoda
5/13/2019 3:44:07 AM



#30
Chloroform
Concen: 58.494 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1





#31

Cyclohexane

Concen: 54.023 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1601446

Ion Ratio Lower Upper

56 100

69 32.6 26.6 40.0

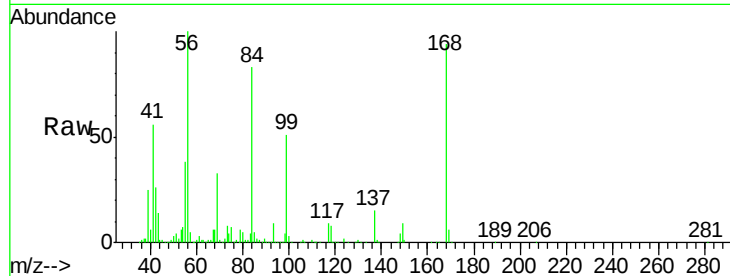
84 81.9 66.2 99.2

Manual Integrations

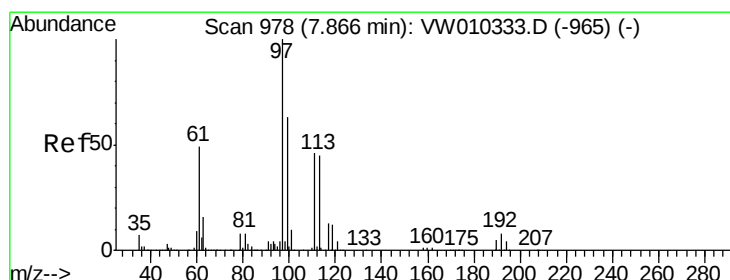
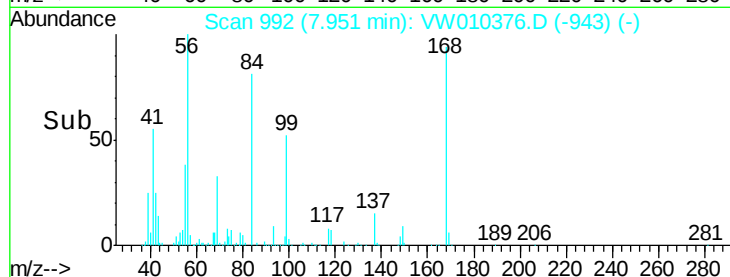
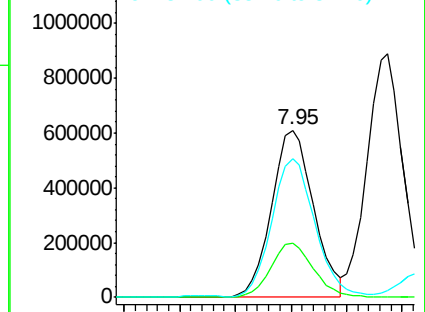
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 57.478 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

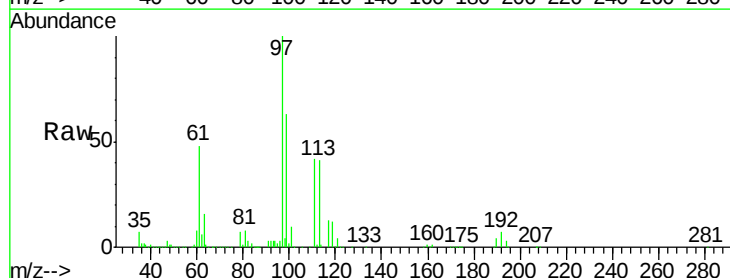
Tgt Ion: 97 Resp: 1206299

Ion Ratio Lower Upper

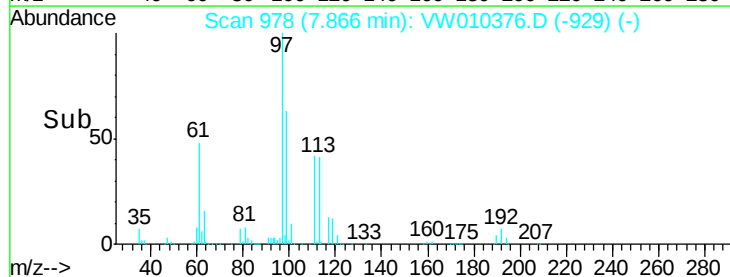
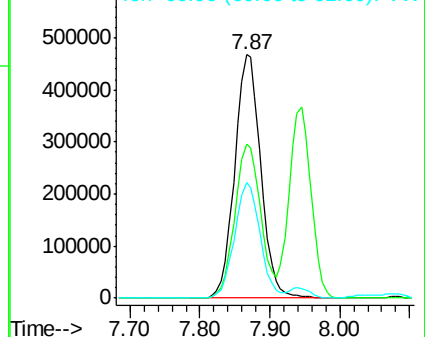
97 100

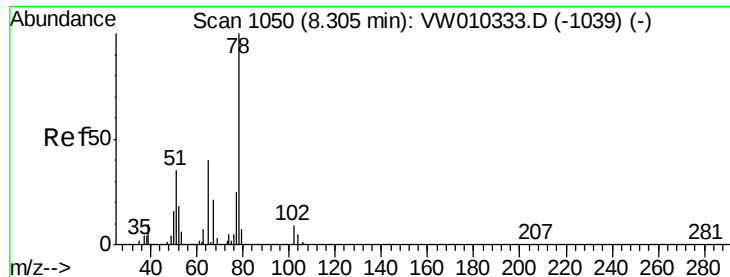
99 63.3 50.2 75.2

61 46.8 38.2 57.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 50.729 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 734135

Ion Ratio Lower Upper

65 100

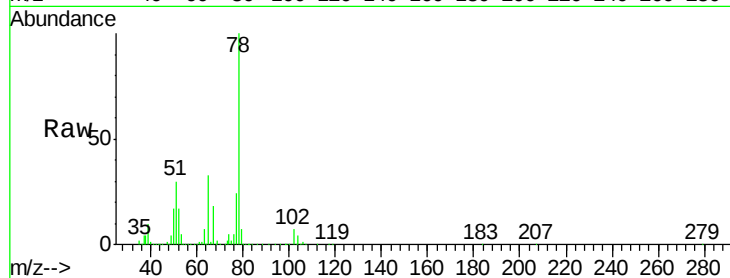
67 52.6 0.0 100.8

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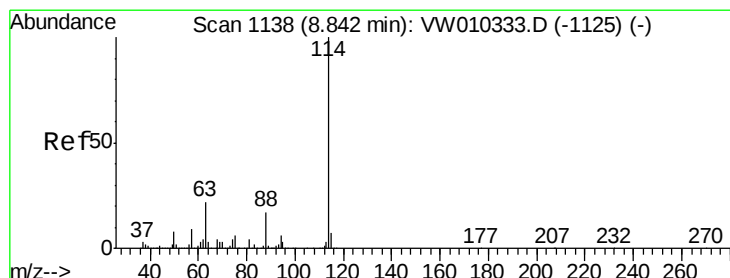
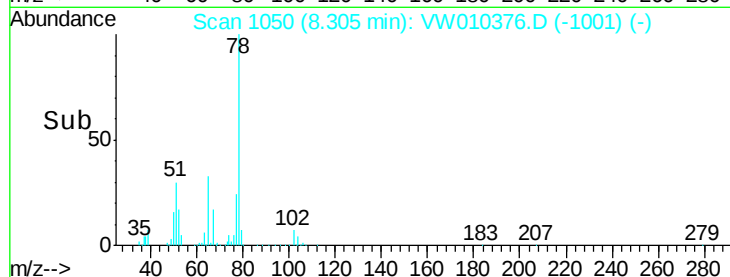
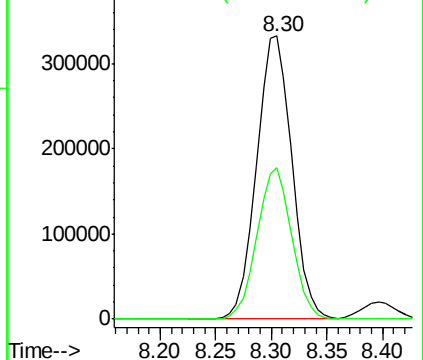
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

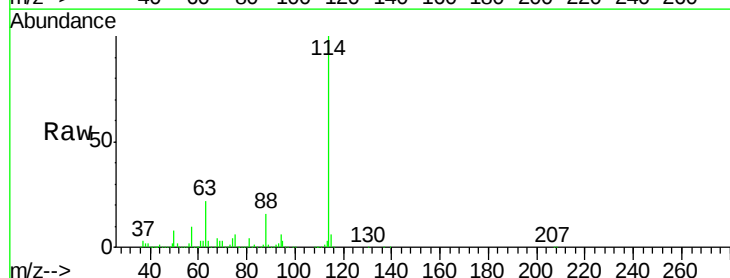
Tgt Ion: 114 Resp: 2177400

Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.2

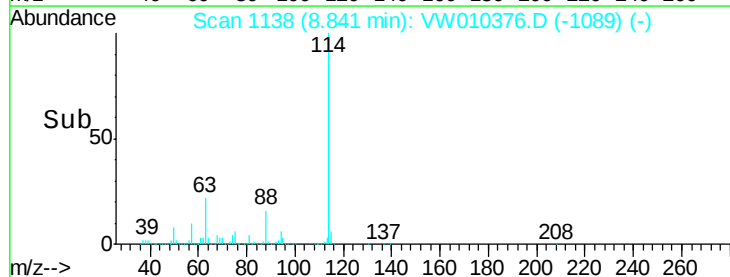
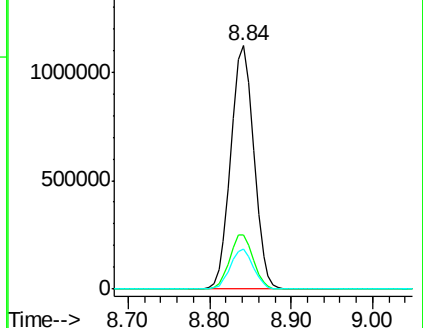
88 16.5 0.0 32.6

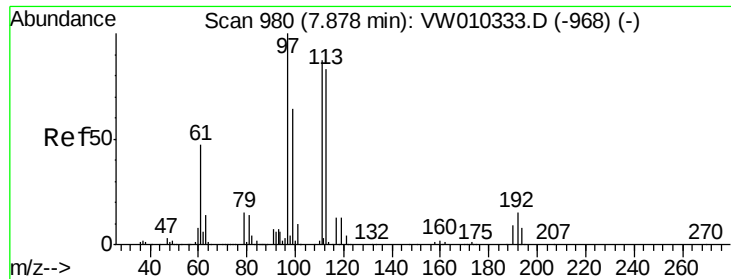


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.326 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

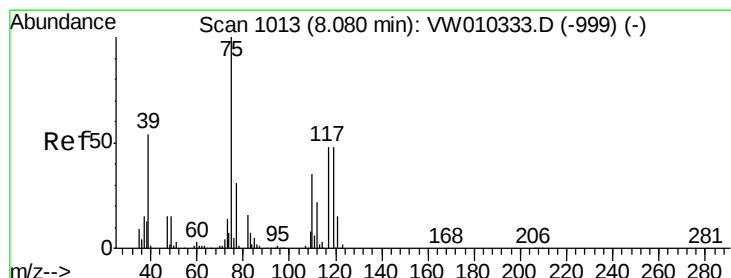
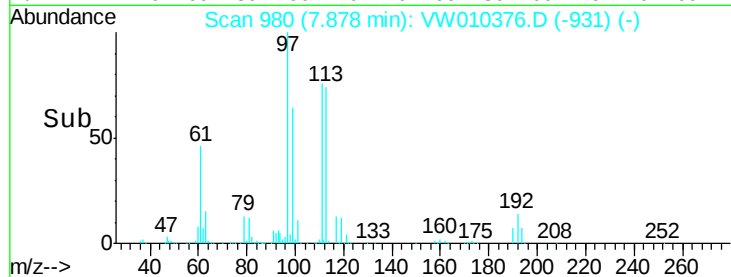
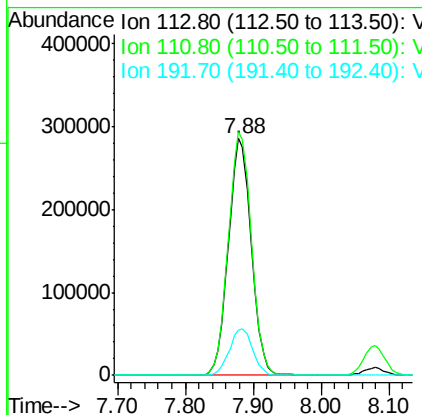
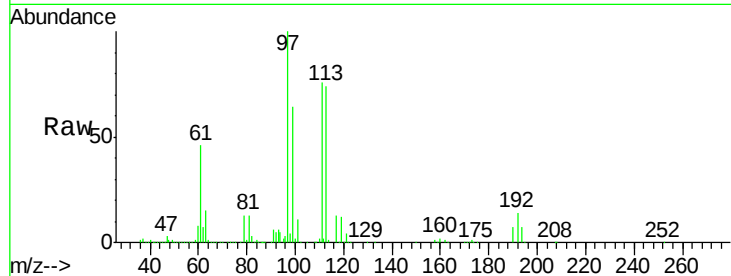
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	666734
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.6	123.8
192	20.0	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 56.608 ug/l

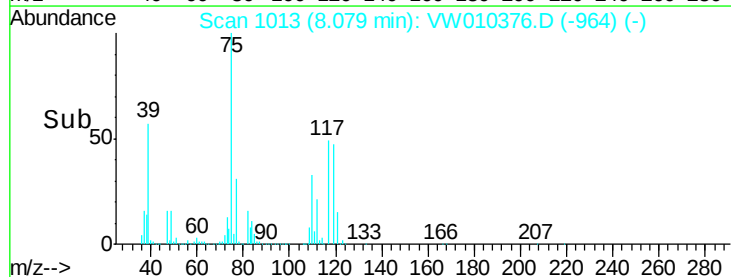
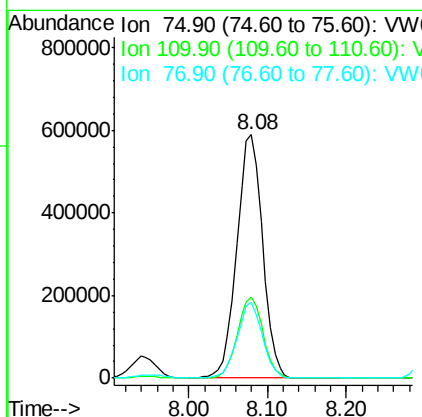
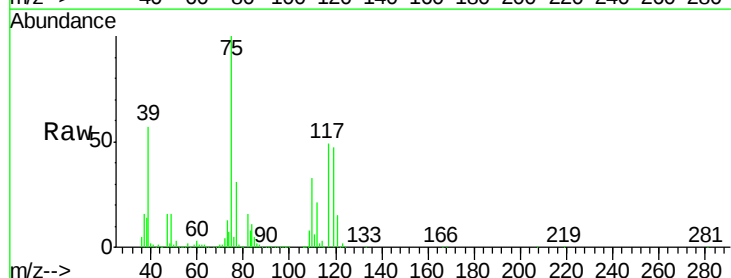
RT: 8.08 min Scan# 1013

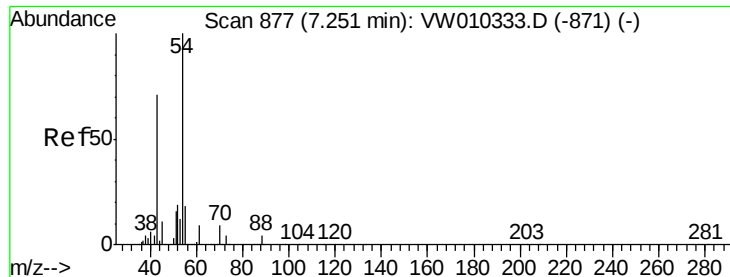
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion:	75	Resp:	1336443
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.6	49.8
77	30.7	24.8	37.2





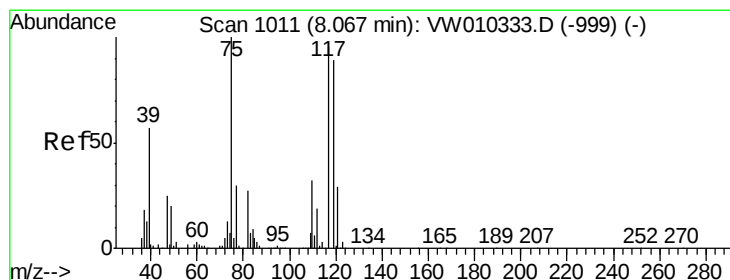
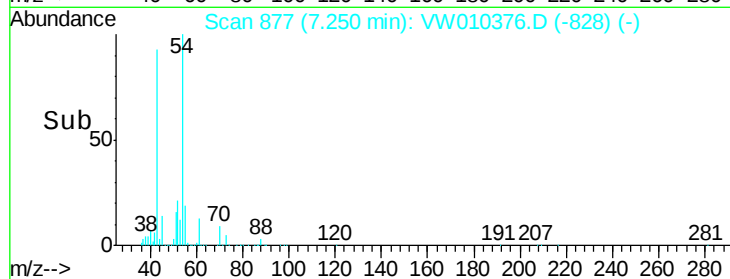
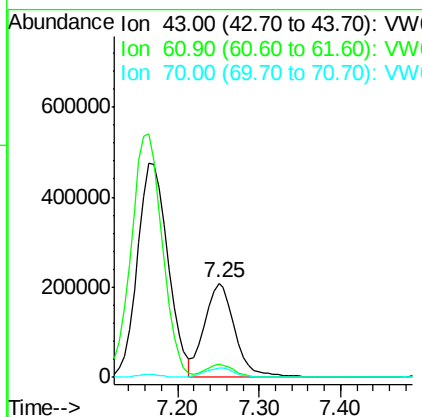
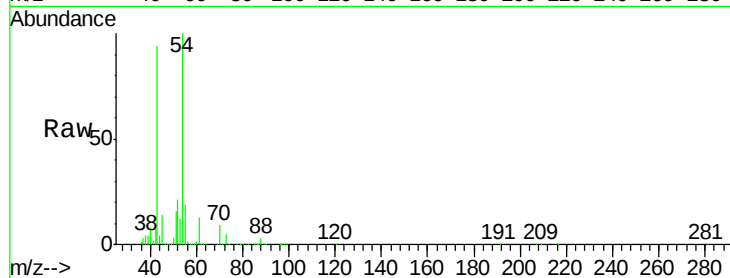
#37
Ethyl Acetate
Concen: 43.056 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	9.8	14.8	
70	9.9	7.4	11.0	

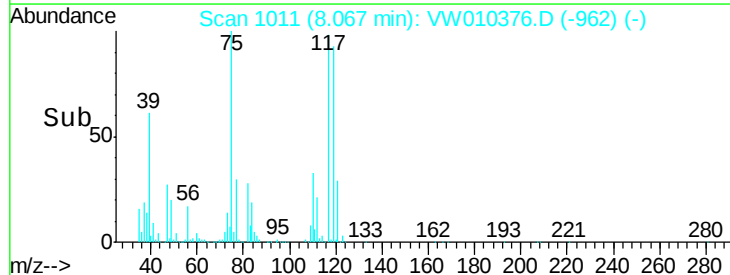
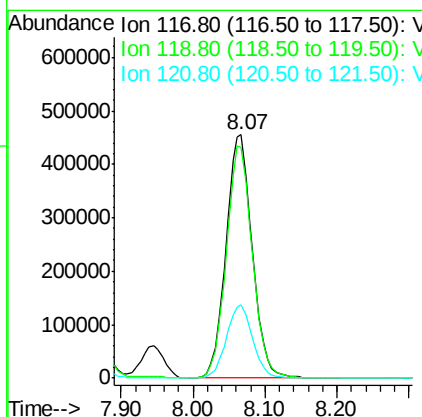
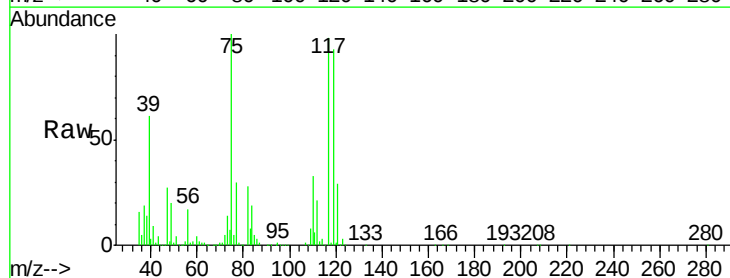
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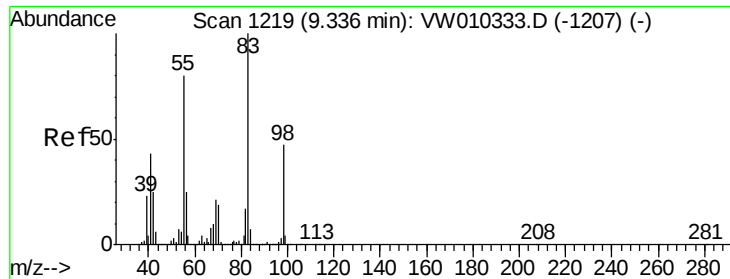
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#38
Carbon Tetrachloride
Concen: 56.823 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	75.3	112.9	
121	30.1	24.4	36.6	





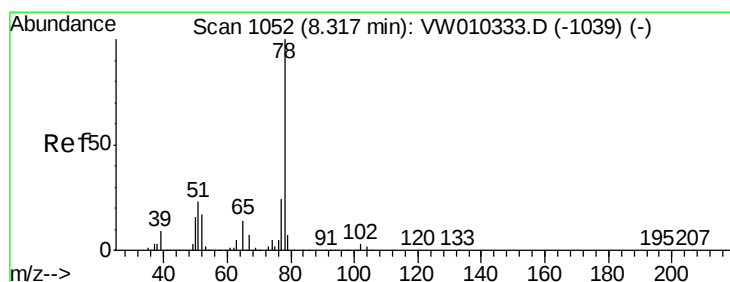
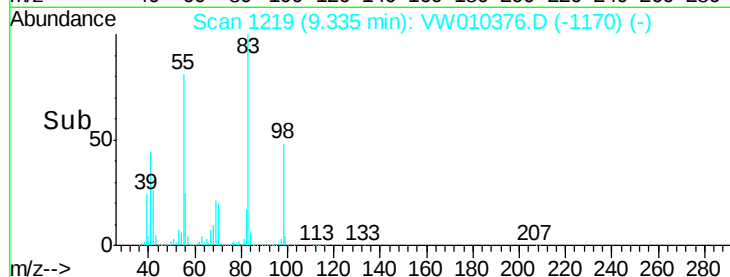
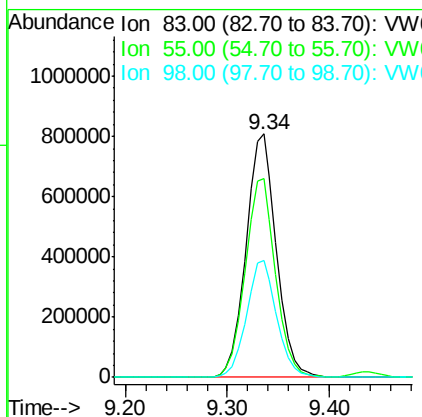
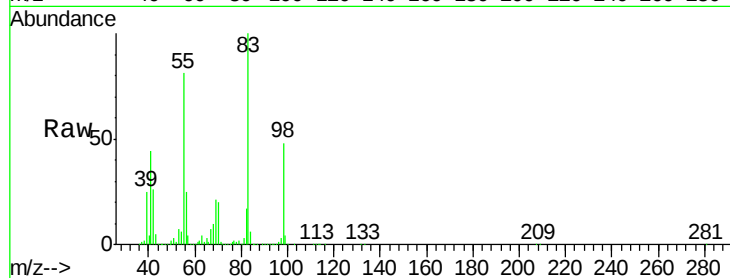
#39
Methvlcvclohexane
Concen: 57.728 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1667246
Ion Ratio Lower Upper
83 100
55 81.4 67.1 100.7
98 48.2 39.2 58.8

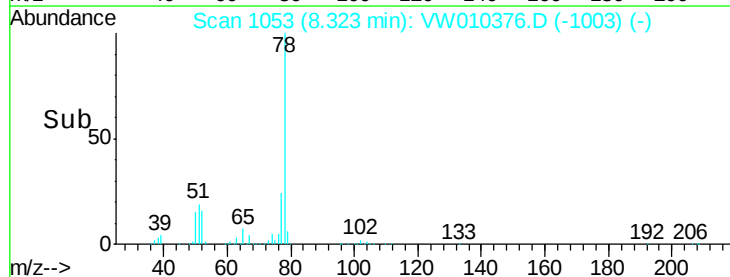
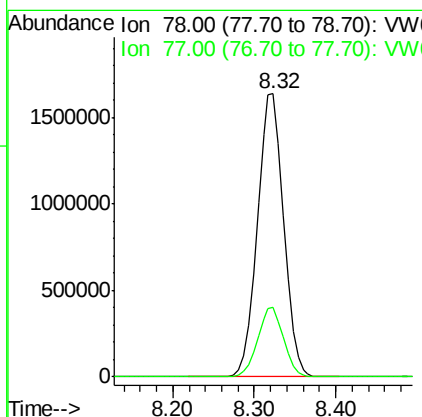
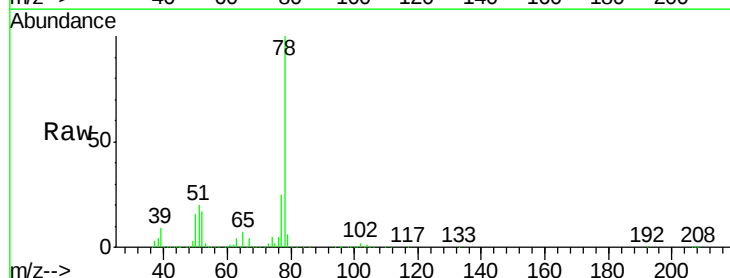
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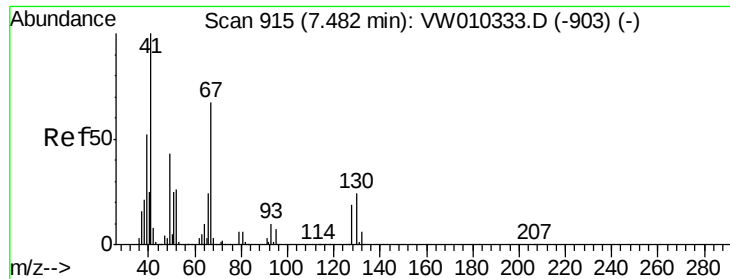
MMDadoda
5/13/2019 3:44:07 AM



#40
Benzene
Concen: 56.777 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 78 Resp: 3670980
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7





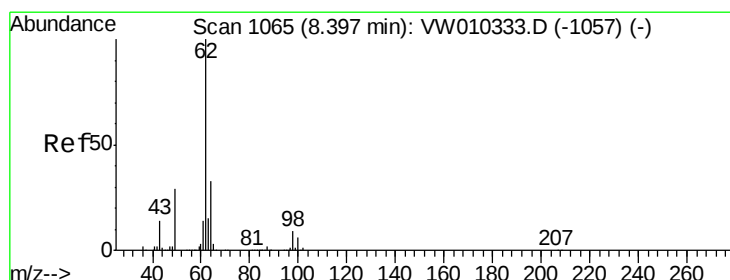
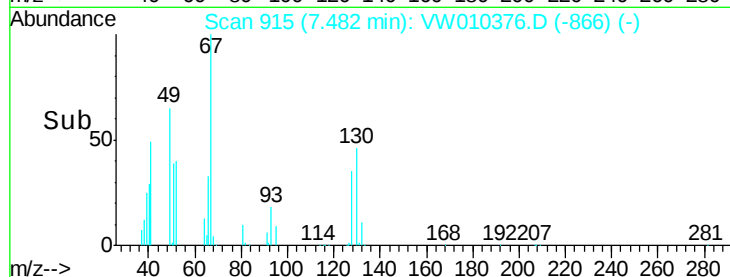
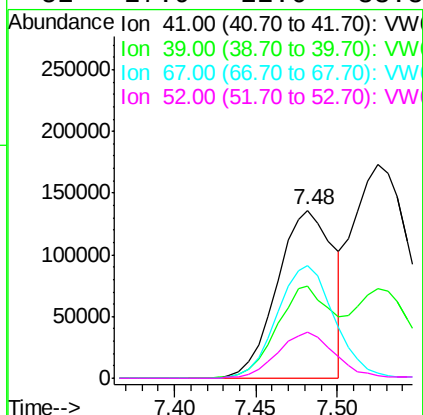
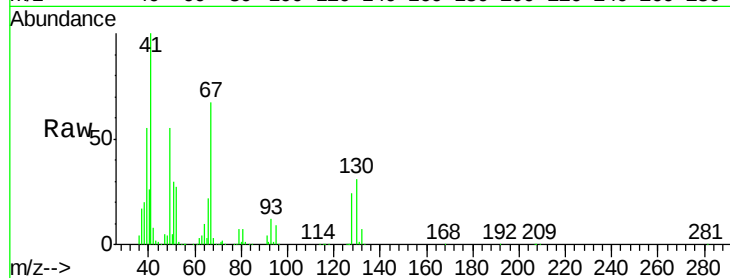
#41
Methacrylonitrile
Concen: 46.364 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		326843		
39	52.9	45.0	67.4		
67	68.8	50.7	76.1		
52	27.9	22.6	33.8		

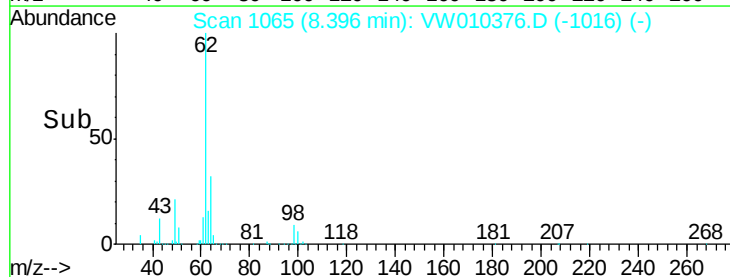
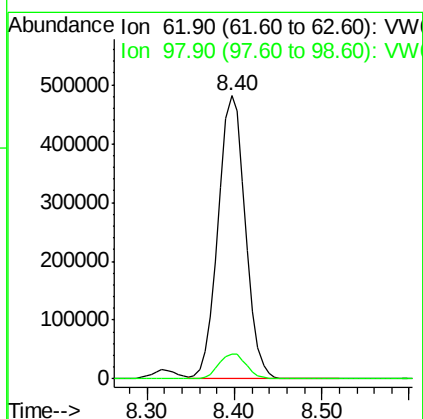
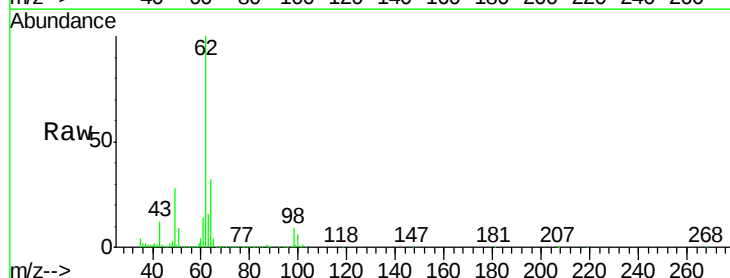
Manual Integrations
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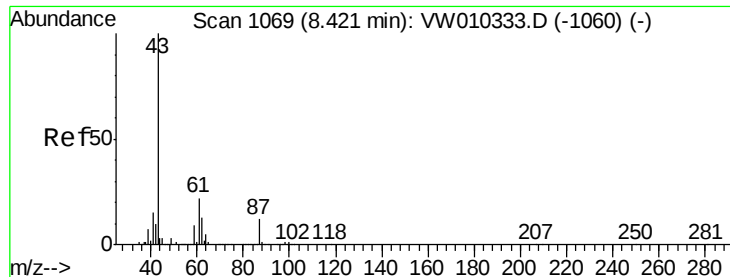
MMDadoda
5/13/2019 3:44:07 AM



#42
1,2-Dichloroethane
Concen: 56.092 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		1038105		
98	9.1	0.0	16.6		





#43

Isopropyl Acetate

Concen: 47.336 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

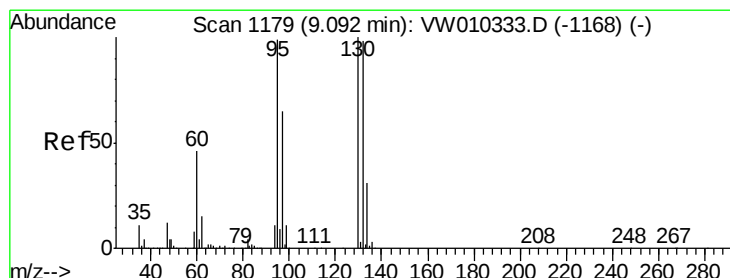
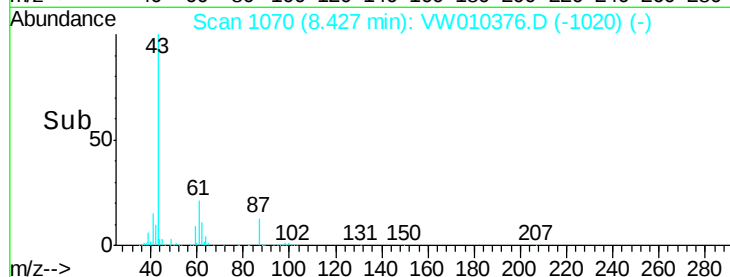
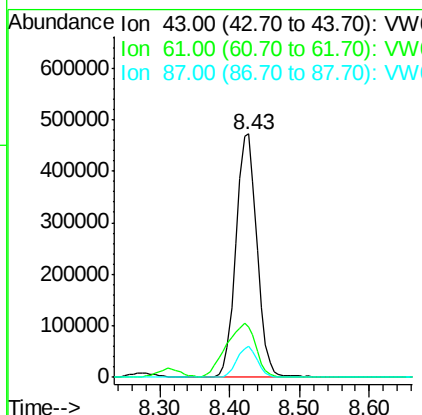
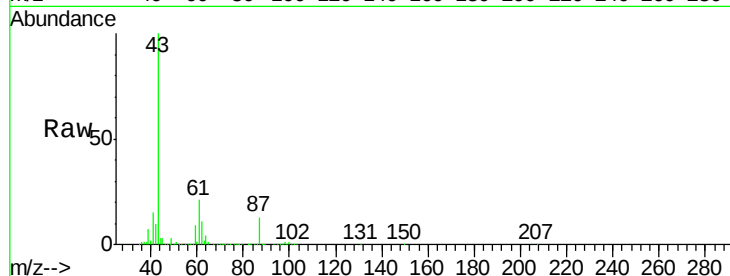
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	986830
Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.0	34.6
87	12.4	9.3	13.9

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#44

Trichloroethene

Concen: 56.704 ug/l

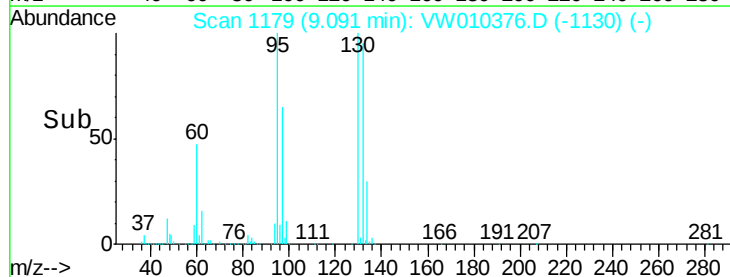
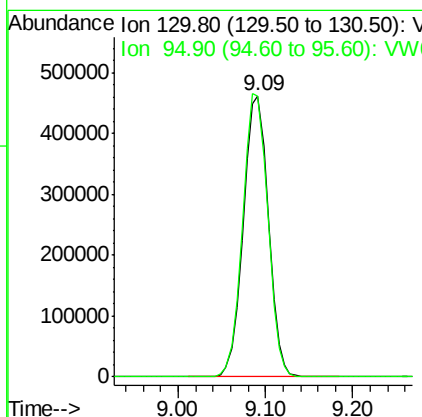
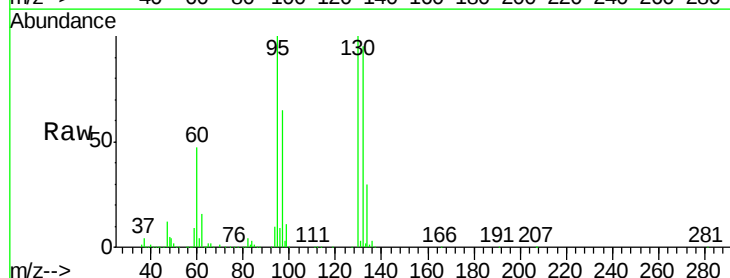
RT: 9.09 min Scan# 1179

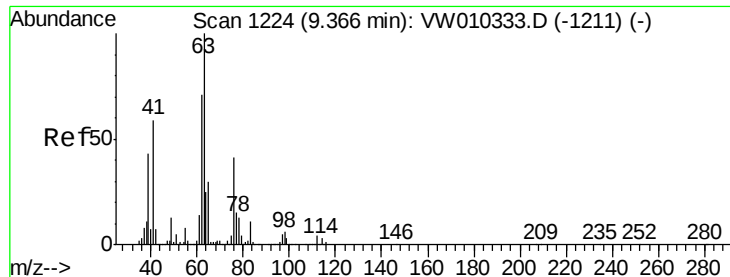
Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Tgt Ion:	130	Resp:	917847
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	205.4





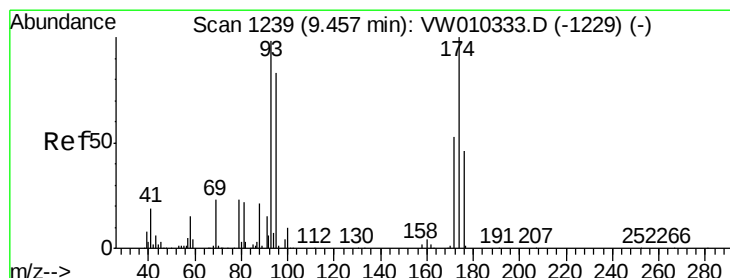
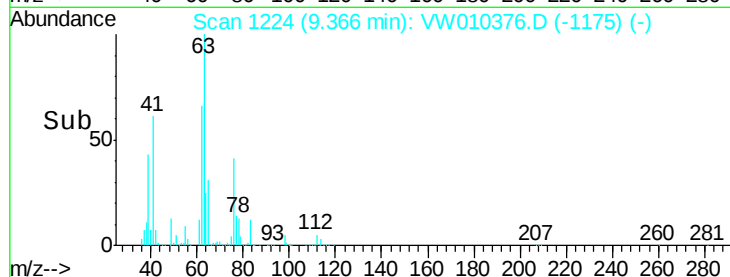
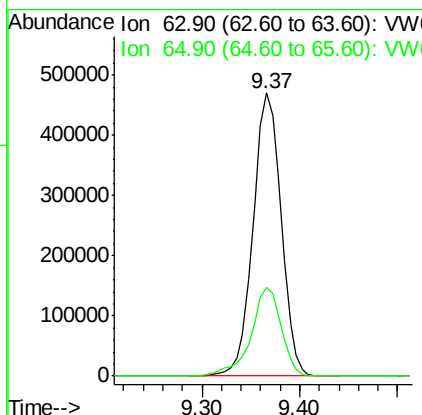
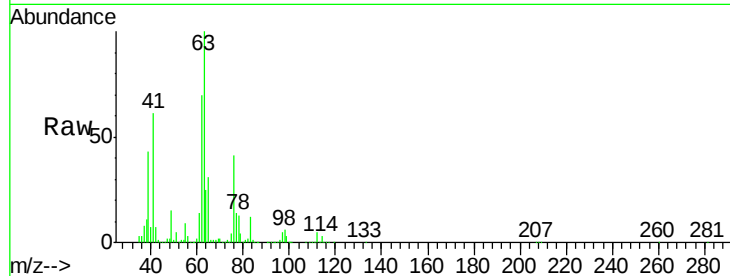
#45
 1,2-Dichloropropane
 Concen: 58.338 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.8	35.6

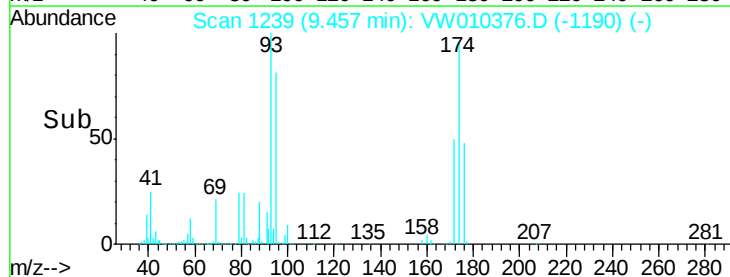
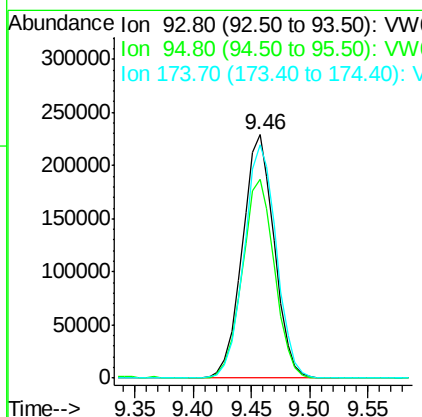
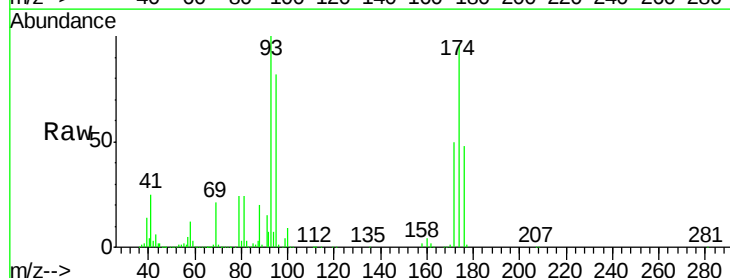
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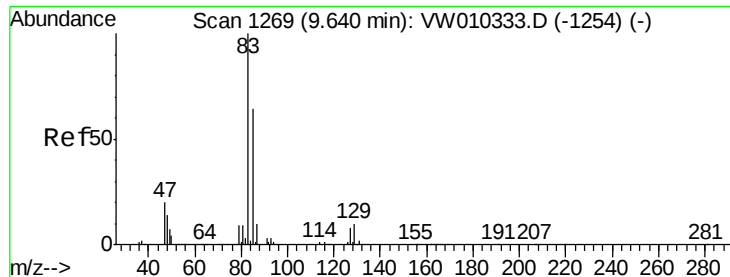
MMDadoda
 5/13/2019 3:44:07 AM



#46
 Dibromomethane
 Concen: 52.618 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.8
174	97.3	75.5	113.3





#47

Bromodichloromethane

Concen: 58.382 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1162767

Ion Ratio Lower Upper

83 100

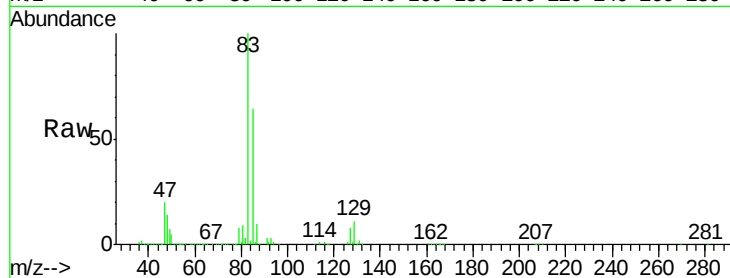
85 63.7 50.6 75.8

127 7.8 6.6 10.0

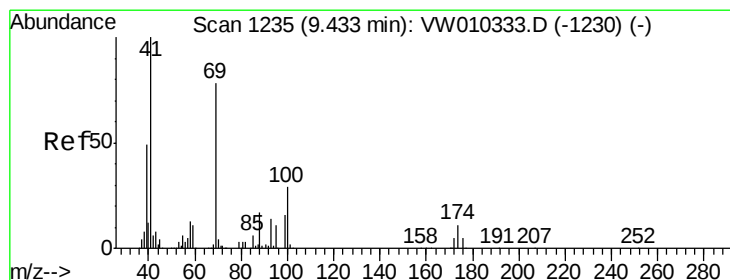
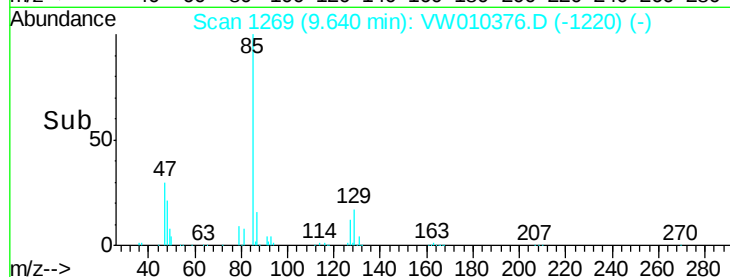
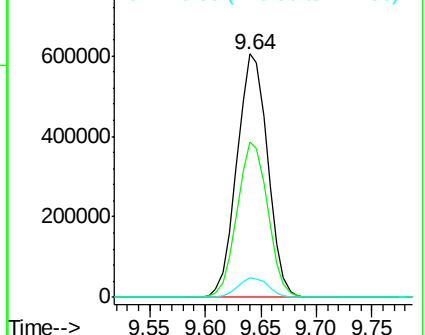
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.435 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

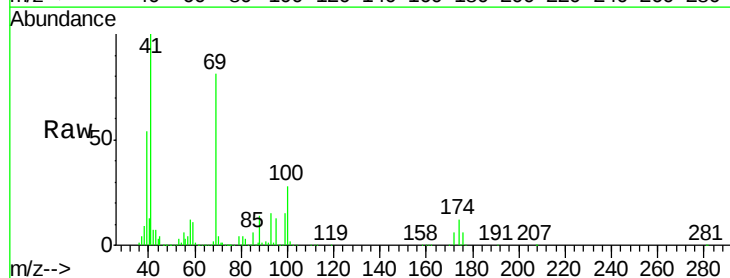
Tgt Ion: 41 Resp: 487287

Ion Ratio Lower Upper

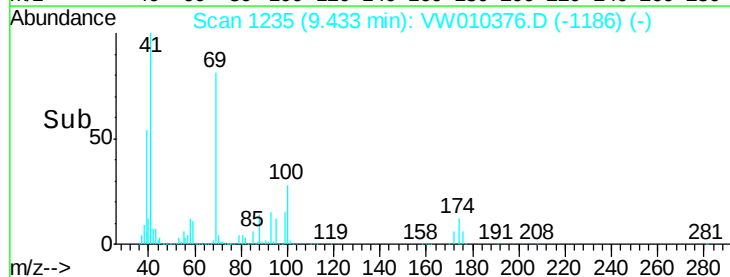
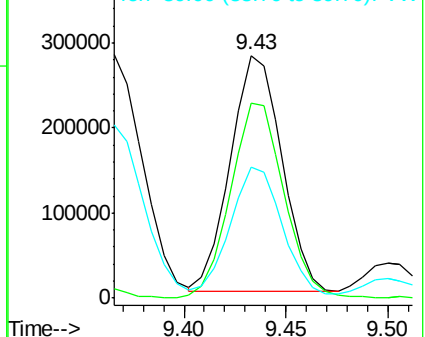
41 100

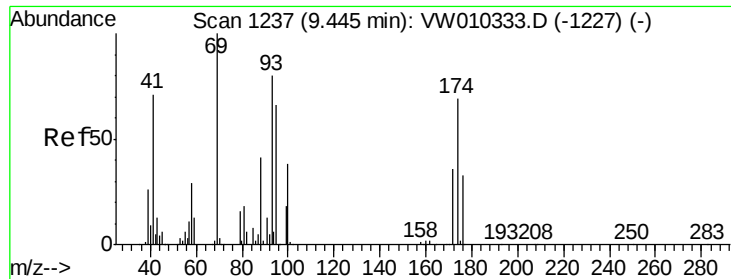
69 85.9 60.1 90.1

39 53.2 51.0 76.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 914.992 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 132485

Ion Ratio Lower Upper

88 100

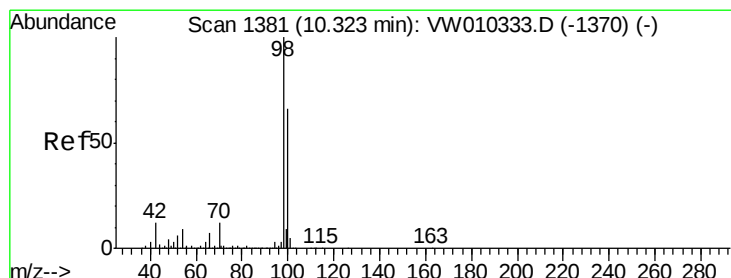
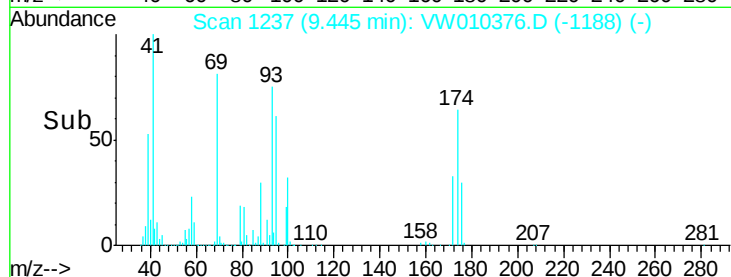
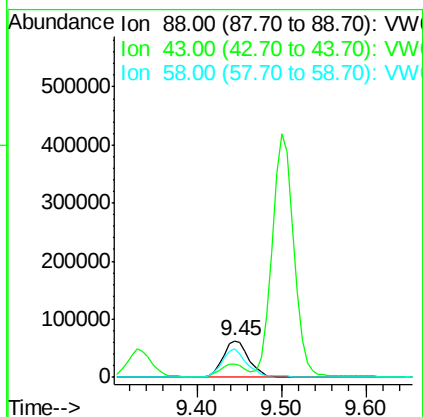
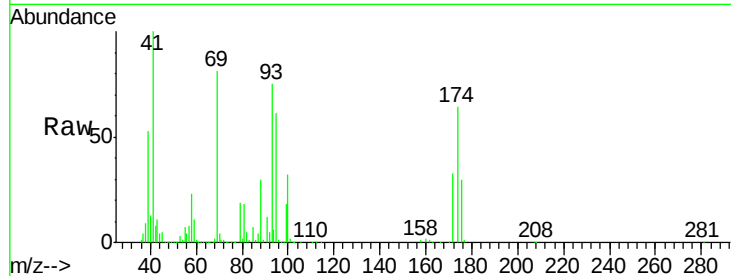
43 34.4 31.9 47.9

58 77.3 61.8 92.6

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#50

Toluene-d8

Concen: 52.594 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010376.D

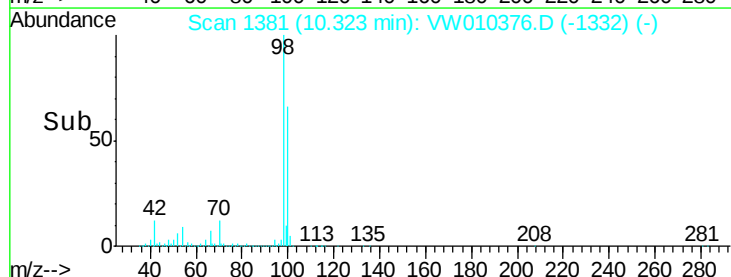
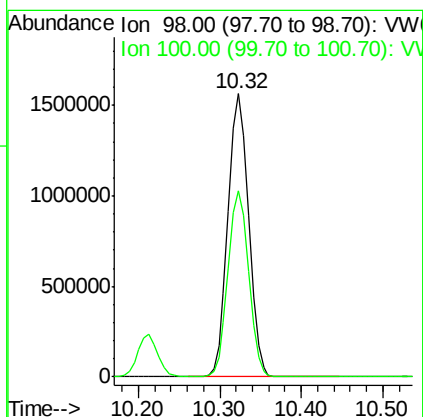
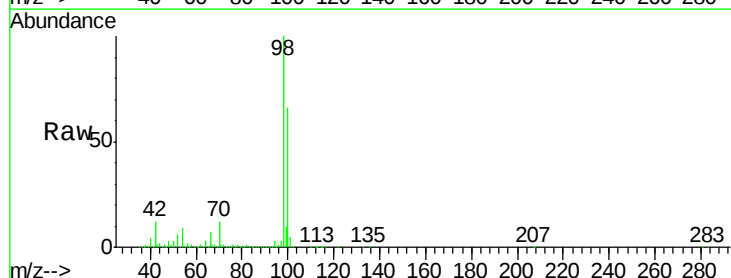
Acq: 11 May 2019 12:37

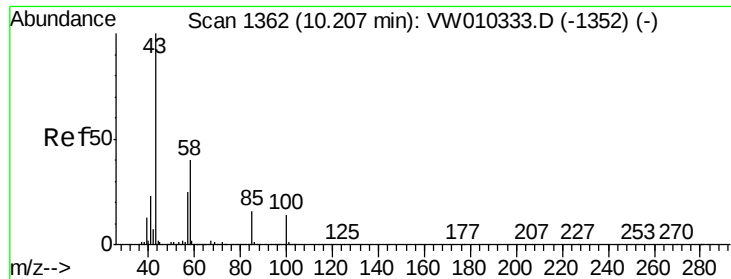
Tgt Ion: 98 Resp: 2728869

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 223.307 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2669427

Ion Ratio Lower Upper

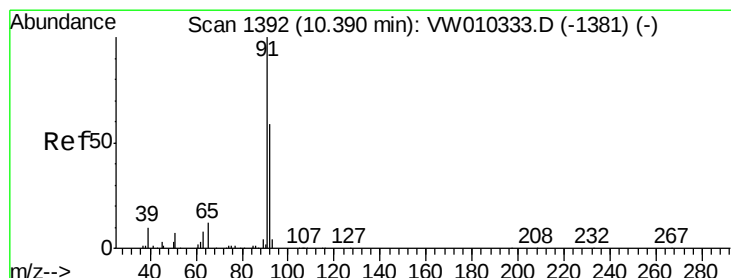
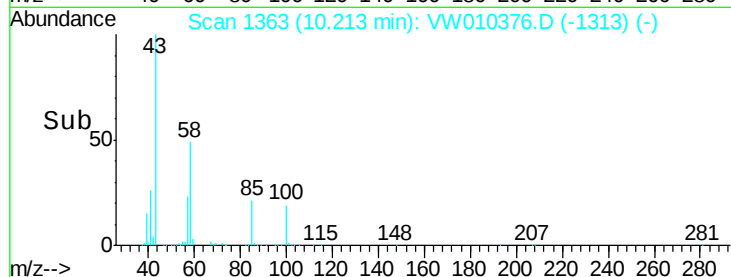
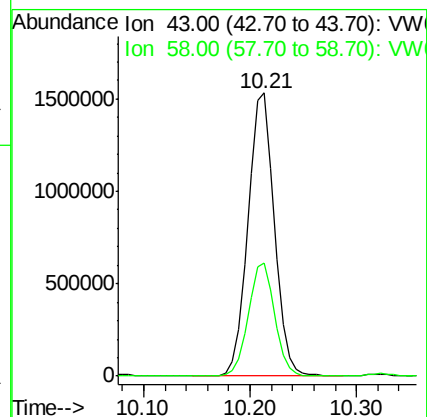
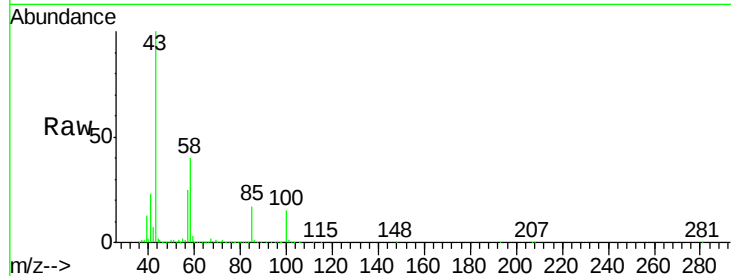
43 100

58 39.7 28.9 43.3

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#52

Toluene

Concen: 58.335 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010376.D

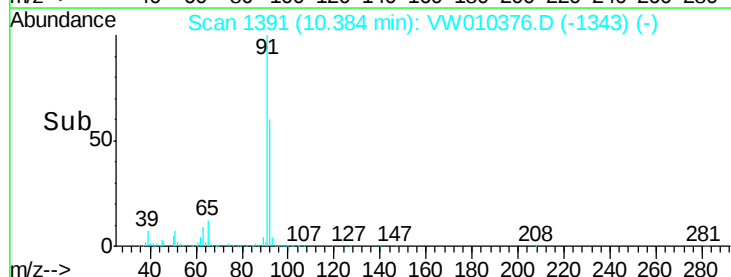
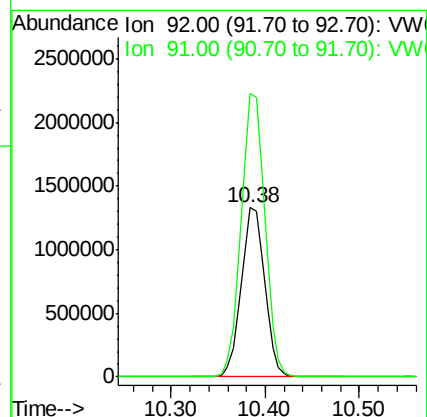
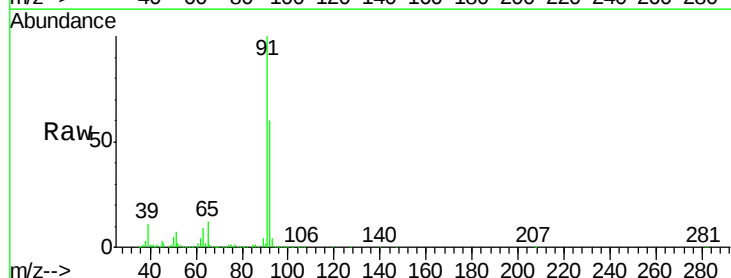
Acq: 11 May 2019 12:37

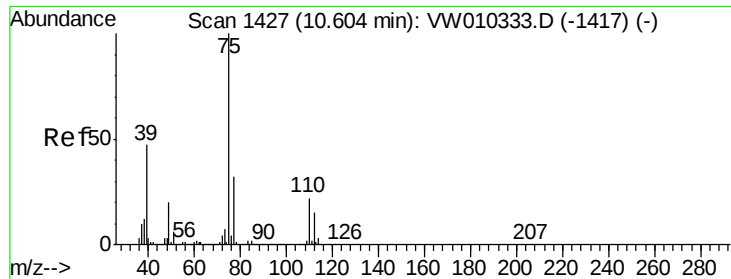
Tgt Ion: 92 Resp: 2305353

Ion Ratio Lower Upper

92 100

91 170.5 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 58.513 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1180440

Ion Ratio Lower Upper

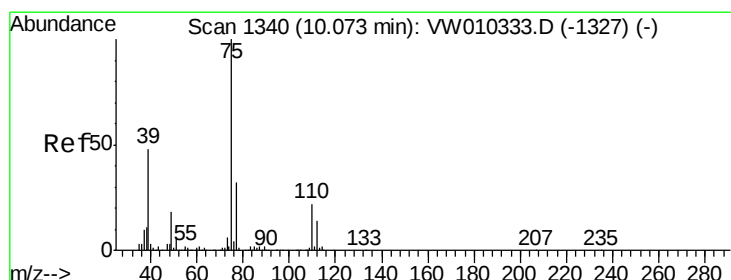
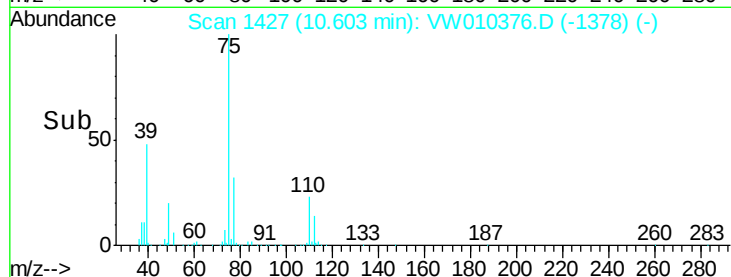
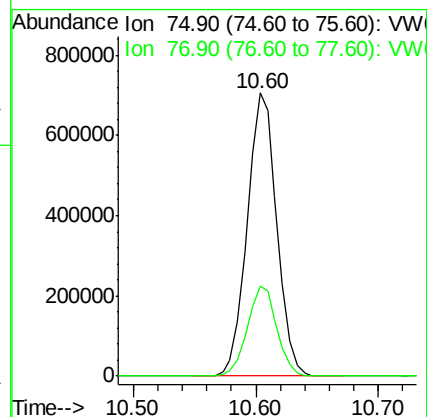
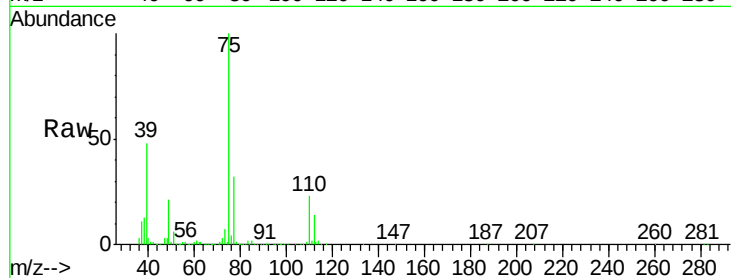
75 100

77 31.8 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 59.707 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

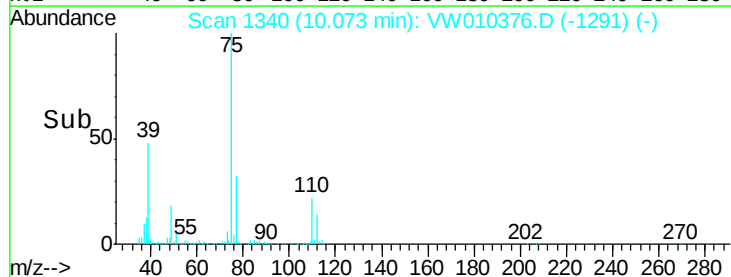
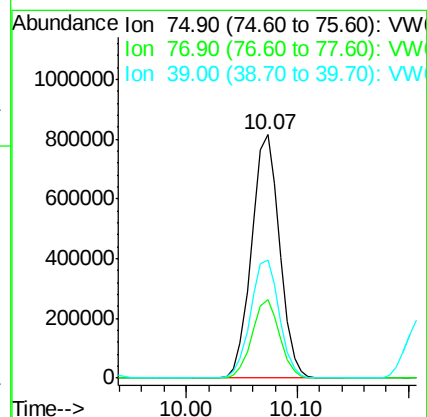
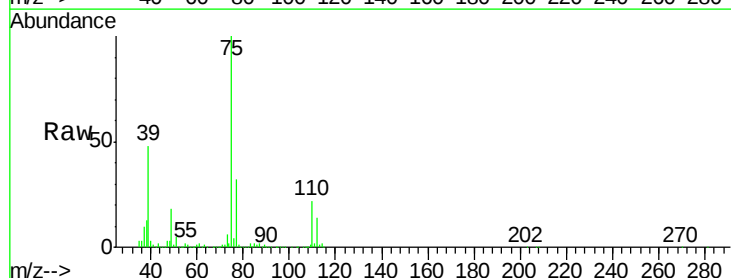
Tgt Ion: 75 Resp: 1426514

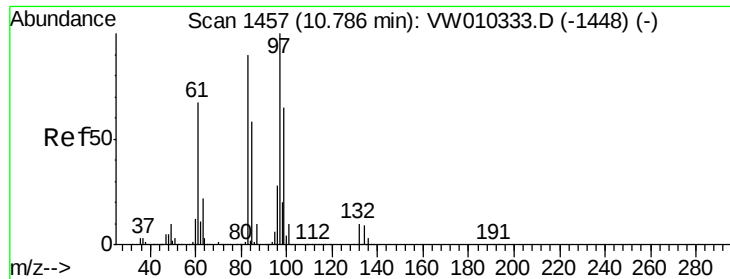
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 48.4 47.8 71.6





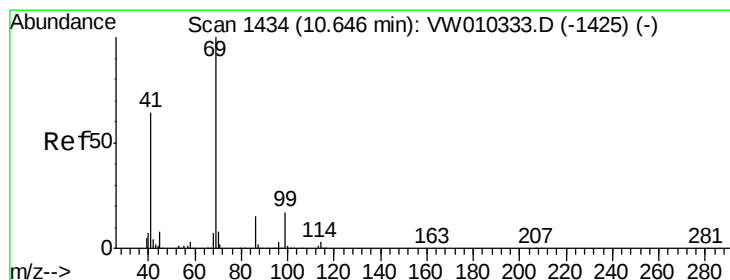
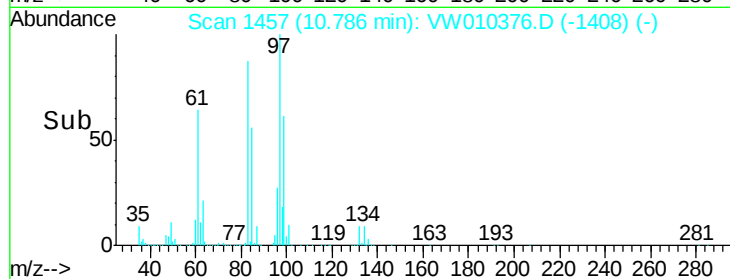
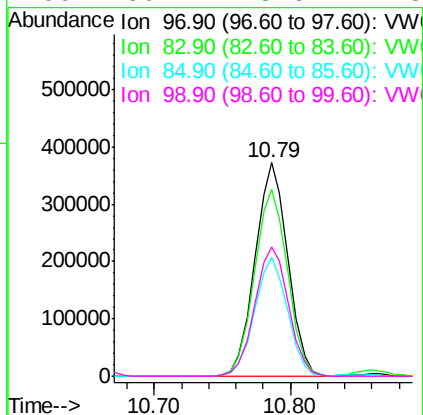
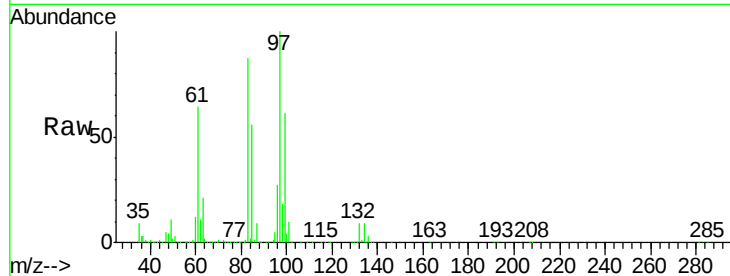
#55
 1,1,2-Trichloroethane
 Concen: 53.259 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		628066		
83	87.3	68.9	103.3		
85	55.7	42.9	64.3		
99	60.7	48.6	72.8		

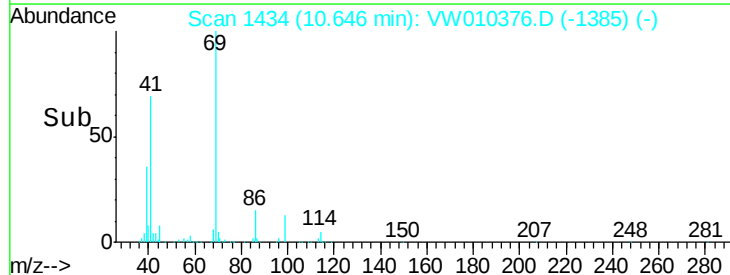
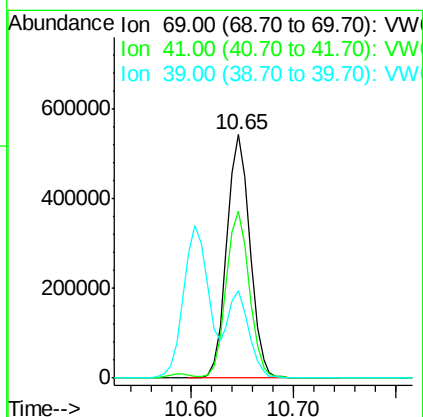
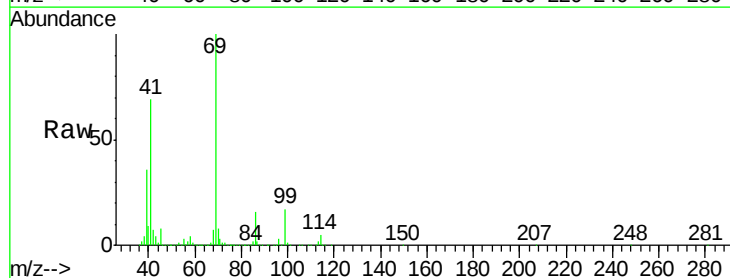
Manual Integrations
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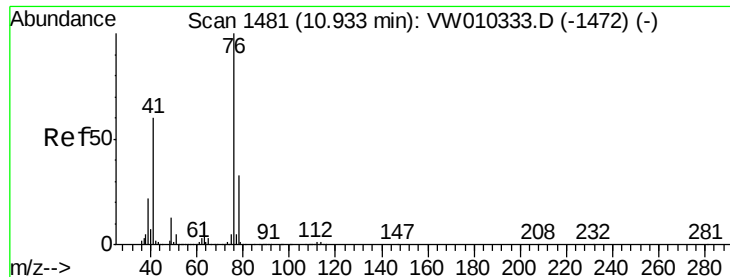
MMDadoda
 5/13/2019 3:44:07 AM



#56
 Ethyl methacrylate
 Concen: 54.571 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		849824		
41	68.6	61.0	91.6		
39	33.1	33.8	50.6#		





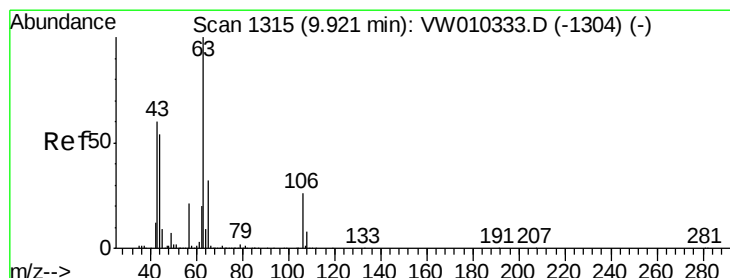
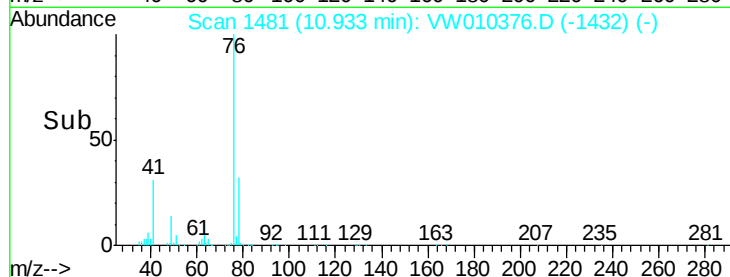
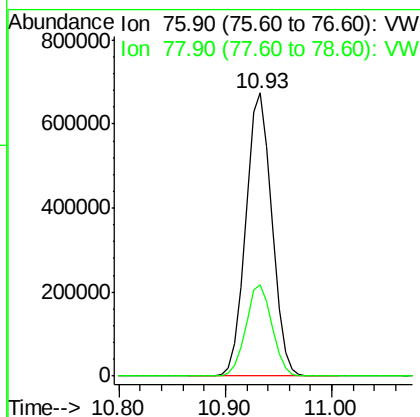
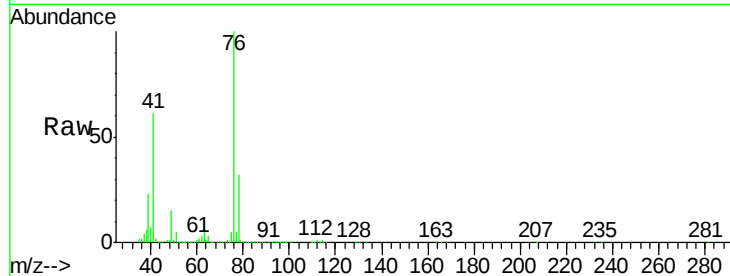
#57
 1,3-Dichloropropane
 Concen: 54.969 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1158855
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

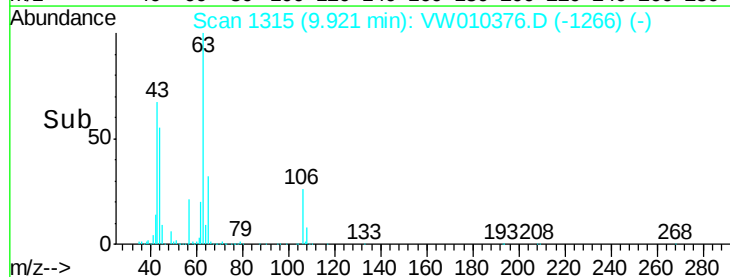
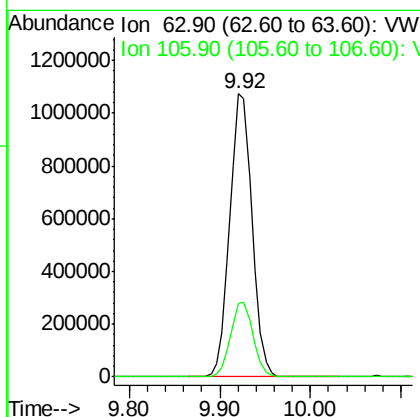
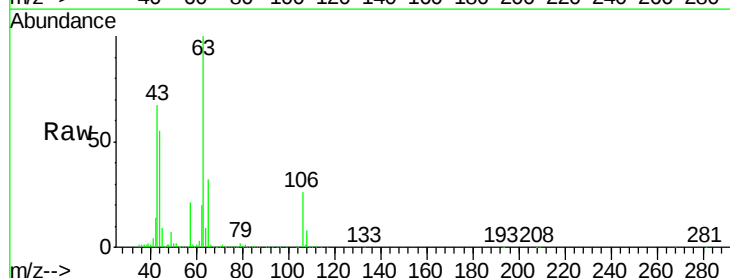
Manual Integrations
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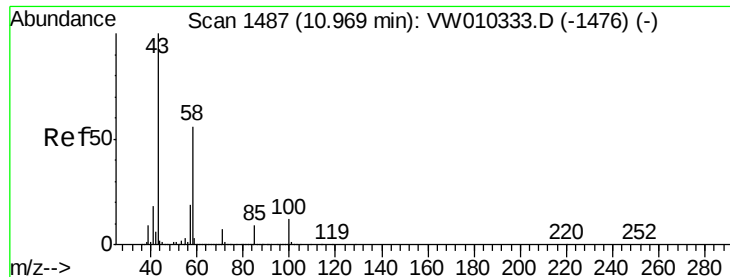
MMDadoda
 5/13/2019 3:44:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.451 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion: 63 Resp: 1830086
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.4 32.0





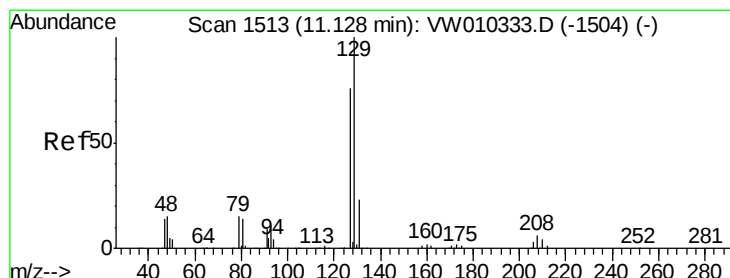
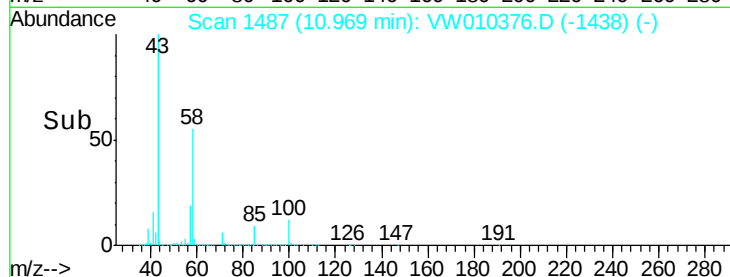
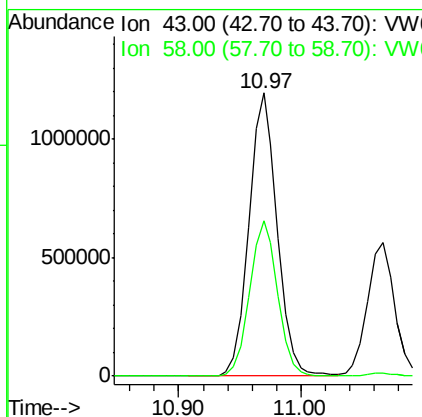
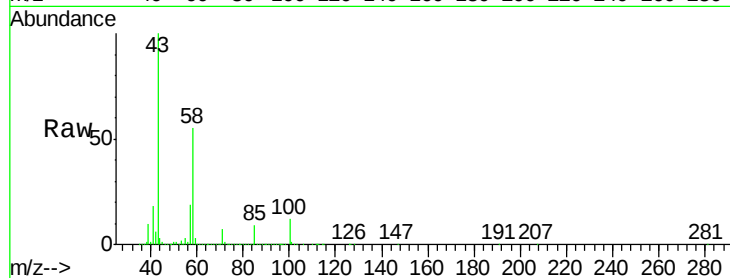
#59
2-Hexanone
Concen: 226.262 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1912357
Ion Ratio Lower Upper
43 100
58 54.7 24.9 74.7

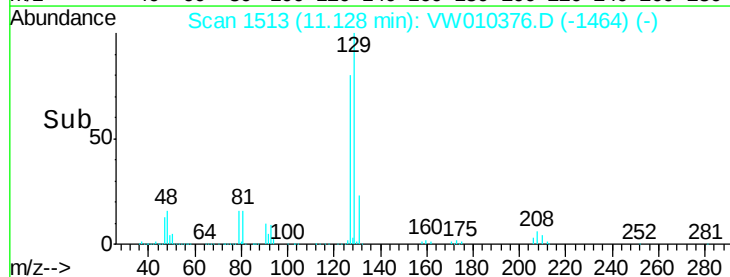
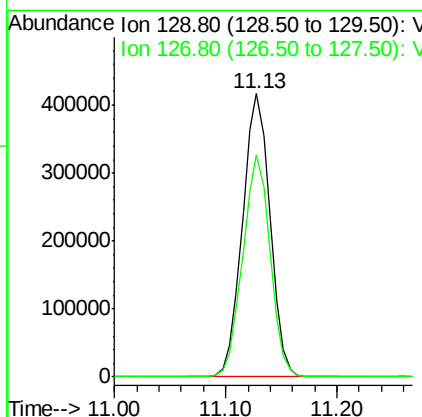
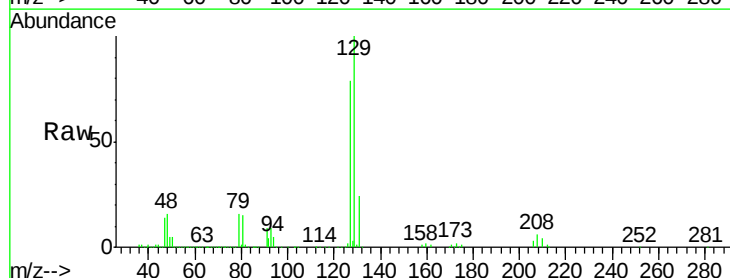
Manual Integrations
APPROVED

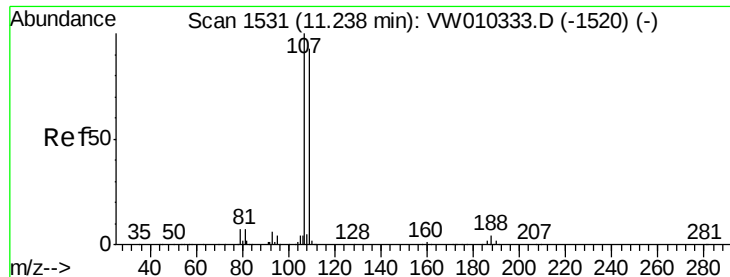
MMDadoda
5/13/2019 3:44:07 AM



#60
Dibromochloromethane
Concen: 56.540 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:129 Resp: 717477
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





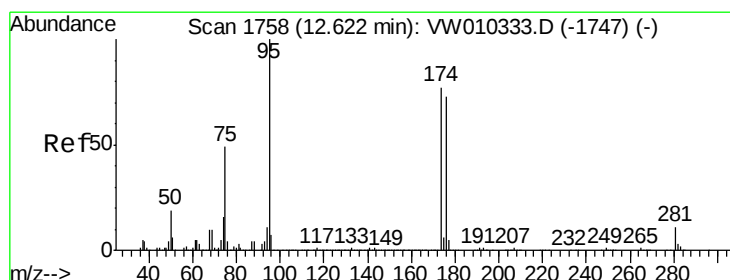
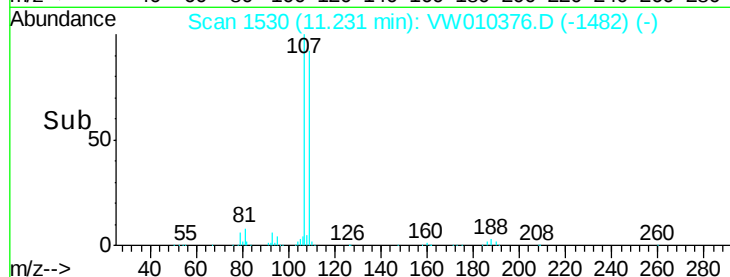
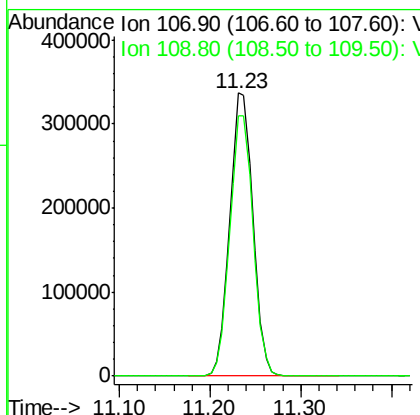
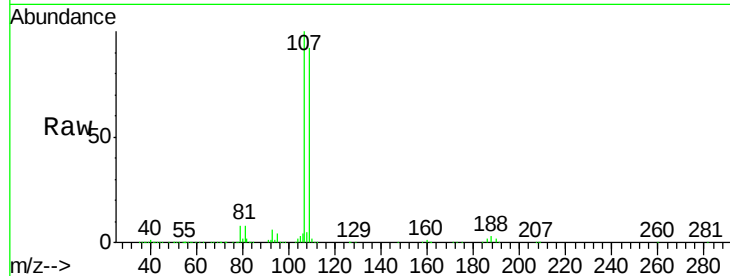
#61
 1,2-Dibromoethane
 Concen: 52.645 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	595977		
109	92.9	73.6	110.4	

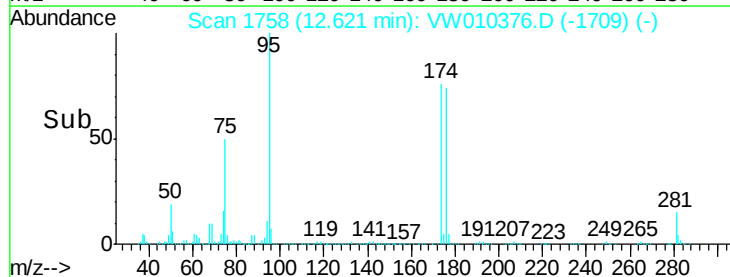
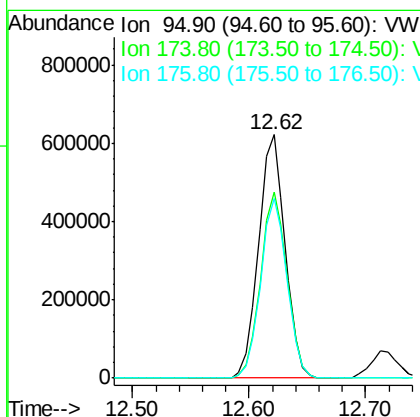
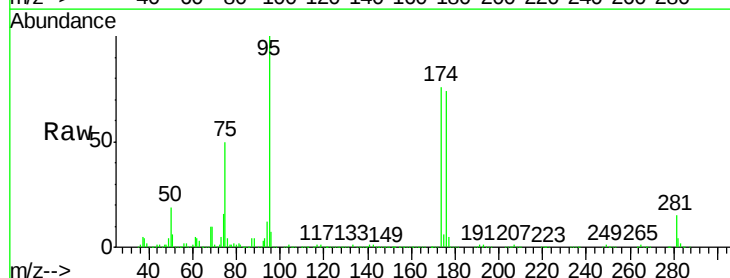
Manual Integrations
 APPROVED

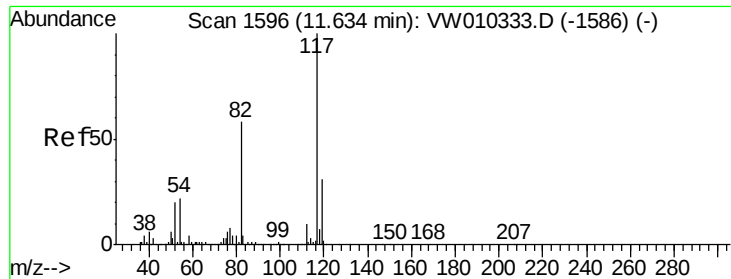
MMDadoda
 5/13/2019 3:44:07 AM



#62
 4-Bromofluorobenzene
 Concen: 53.664 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	980109		
174	76.0	0.0	151.4	
176	73.2	0.0	146.2	





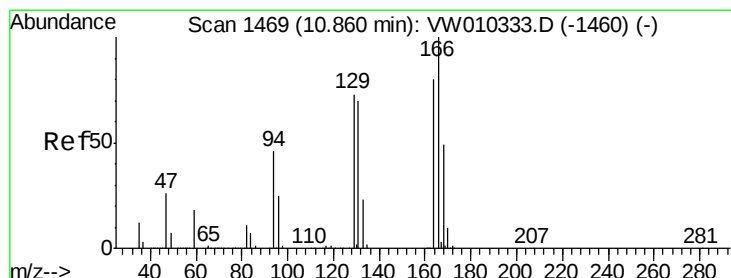
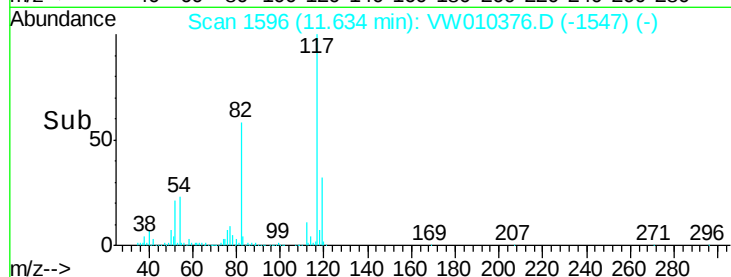
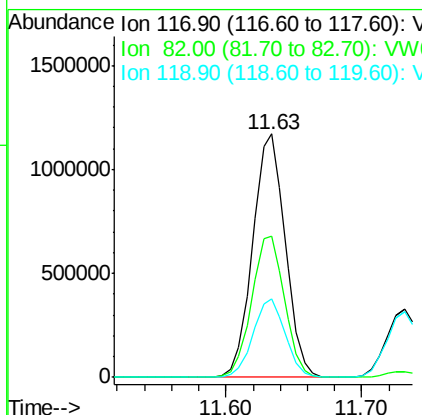
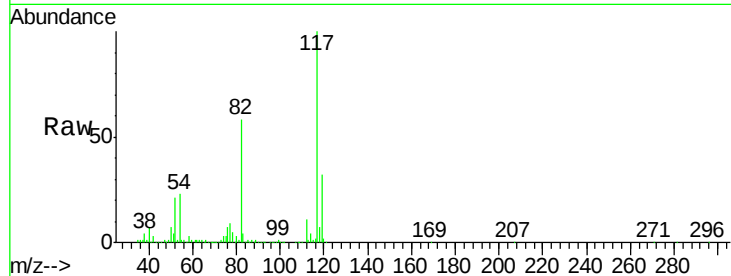
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.2	67.8
119	32.5	25.4	38.2

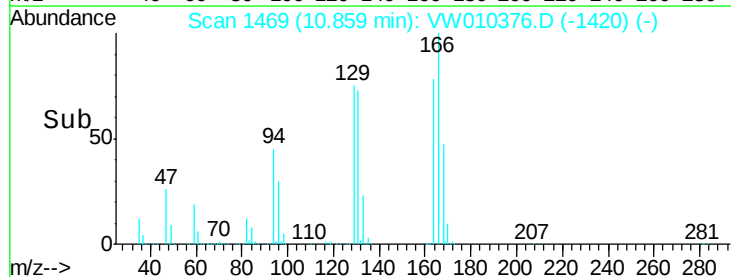
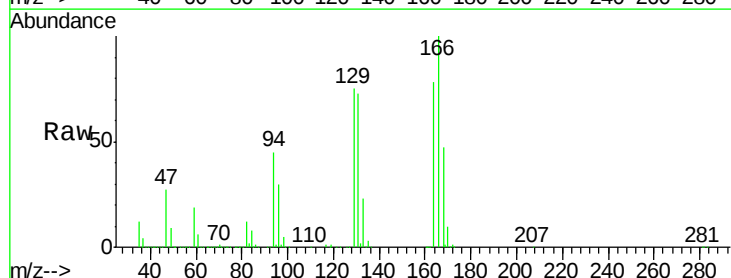
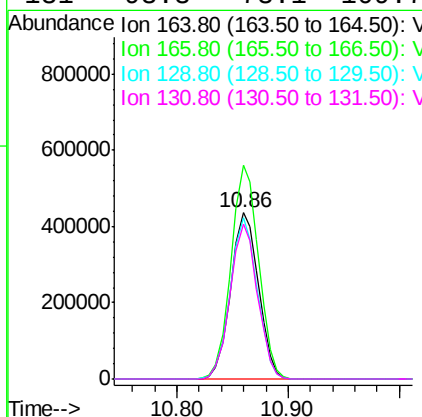
Manual Integrations
APPROVED

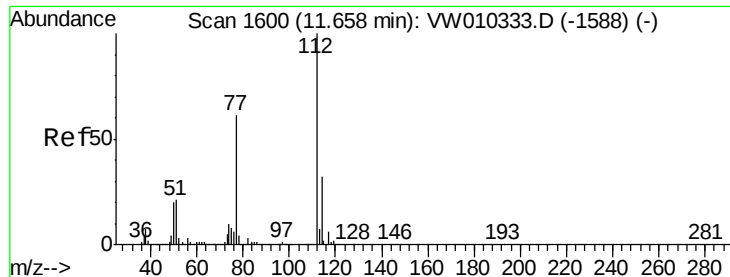
MMDadoda
5/13/2019 3:44:07 AM



#64
Tetrachloroethene
Concen: 54.542 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.2	151.8
129	96.8	77.8	116.6
131	93.3	73.1	109.7





#65

Chlorobenzene

Concen: 57.366 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2338890

Ion Ratio Lower Upper

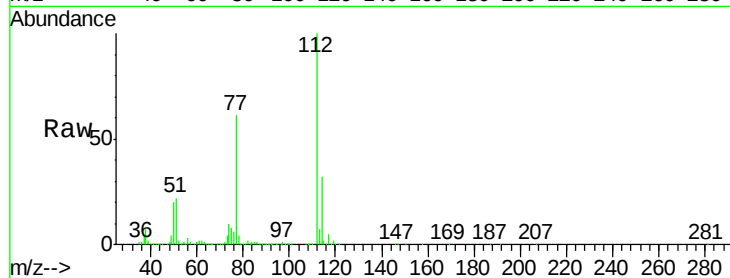
112 100

114 31.5 26.5 39.7

Manual Integrations
APPROVED

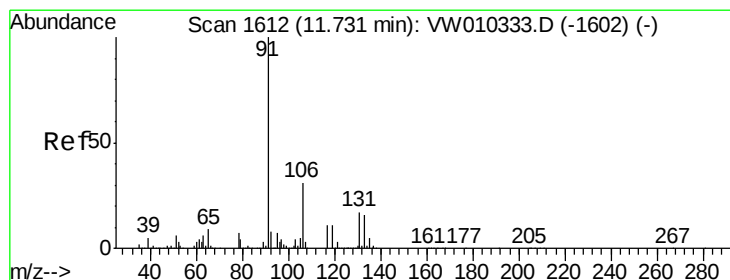
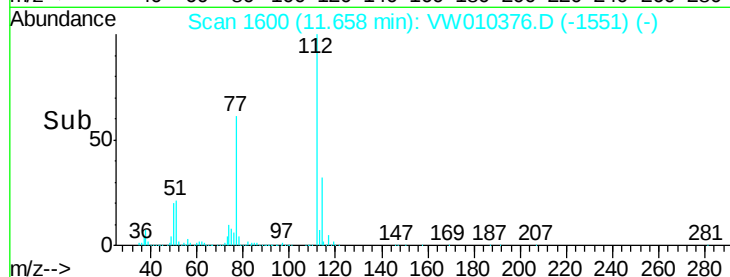
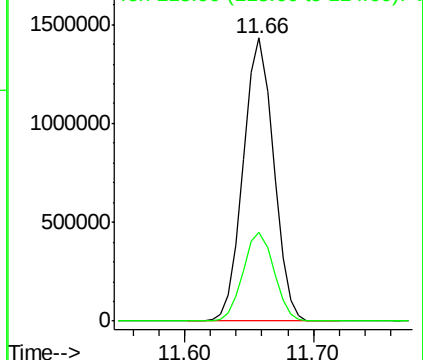
MMDadoda

5/13/2019 3:44:07 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.818 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

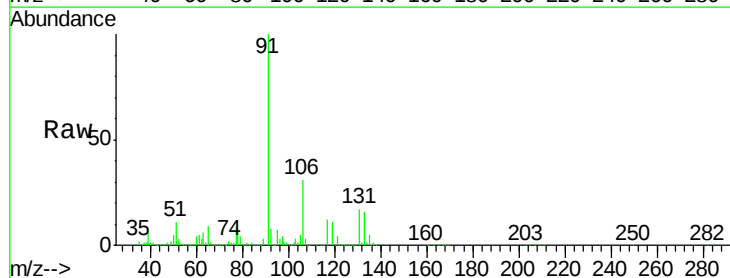
Tgt Ion:131 Resp: 796743

Ion Ratio Lower Upper

131 100

133 95.8 46.5 139.5

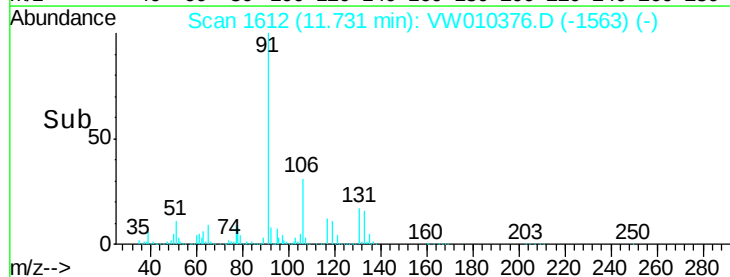
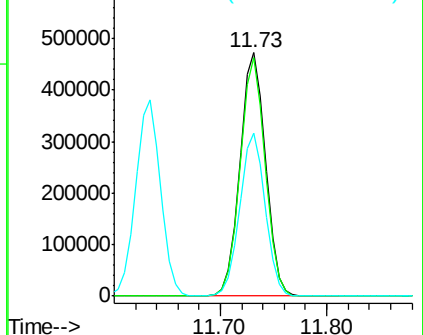
119 66.4 31.9 95.5

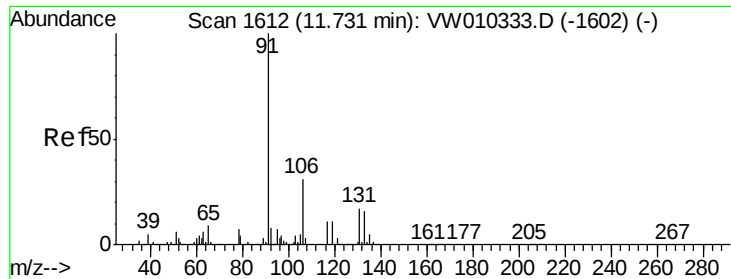


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





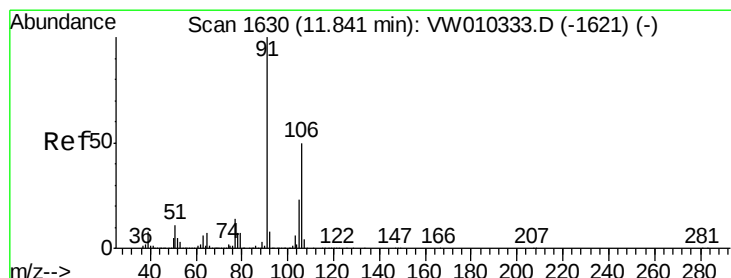
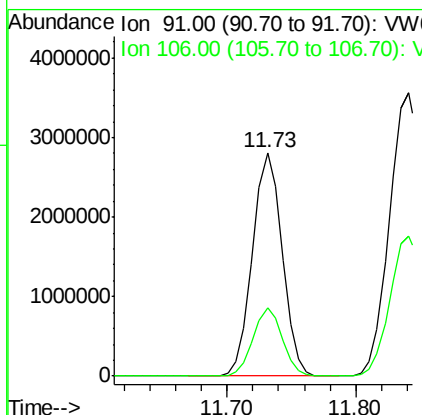
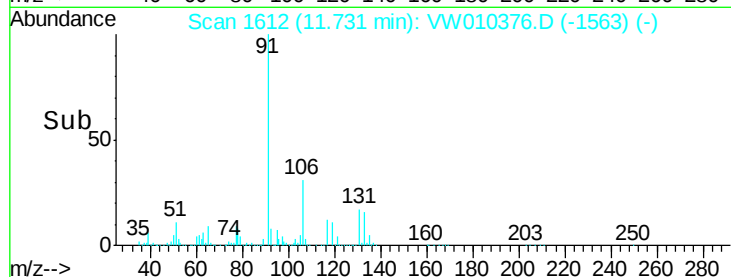
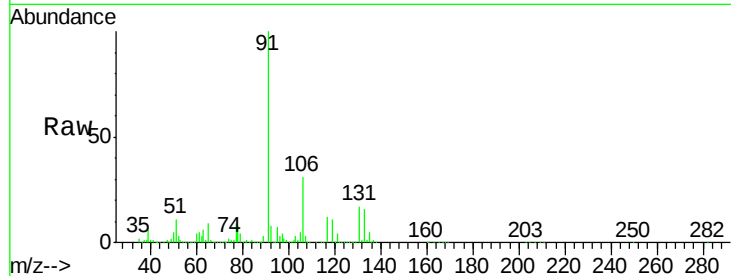
#67
Ethyl Benzene
Concen: 59.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4456368
Ion Ratio Lower Upper
91 100
106 30.8 23.8 35.8

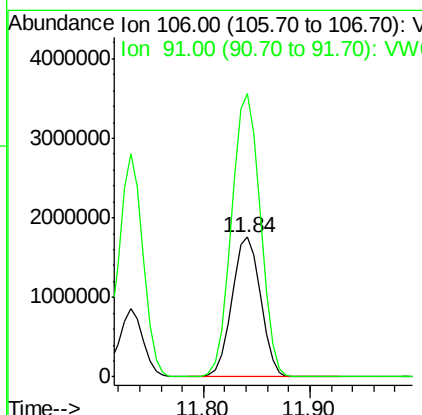
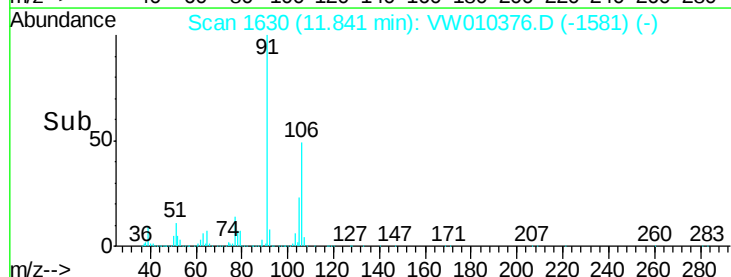
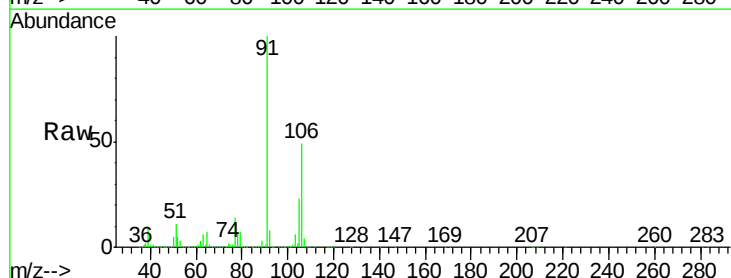
Manual Integrations
APPROVED

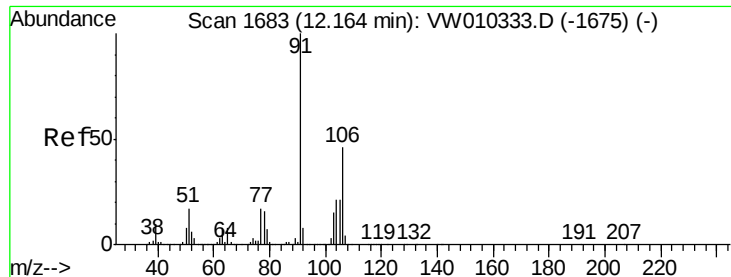
MMDadoda
5/13/2019 3:44:07 AM



#68
m/p-Xylenes
Concen: 118.971 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:106 Resp: 3315401
Ion Ratio Lower Upper
106 100
91 203.5 165.0 247.6





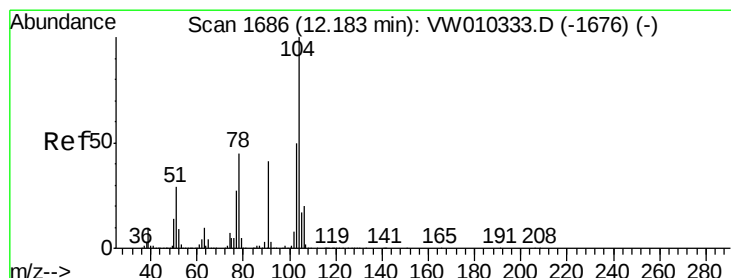
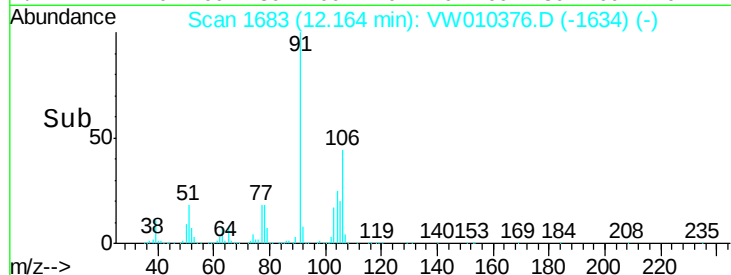
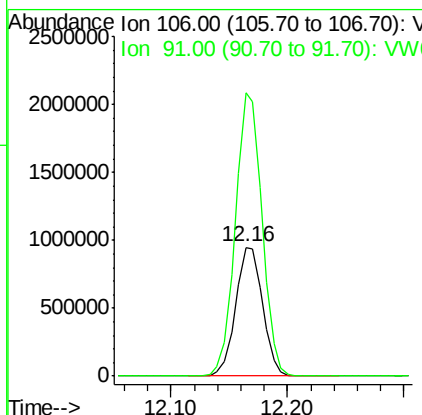
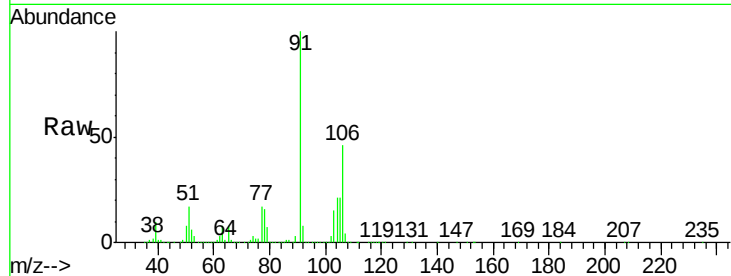
#69
o-Xylene
Concen: 60.861 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1534242
Ion Ratio Lower Upper
106 100
91 216.7 110.5 331.4

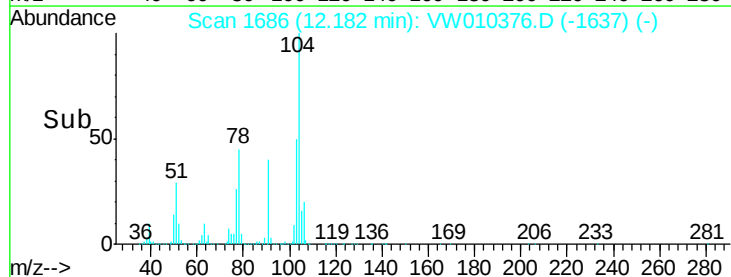
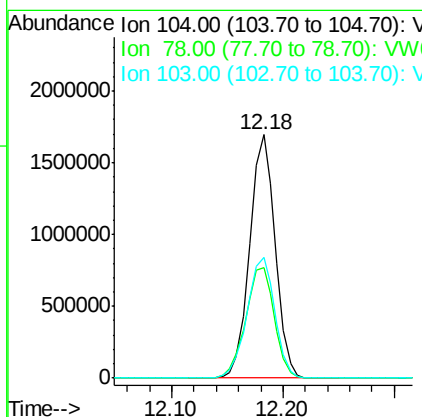
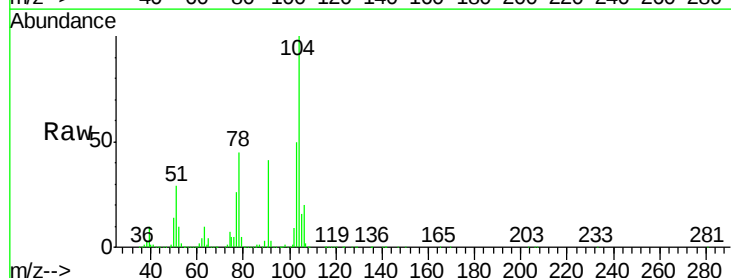
Manual Integrations
APPROVED

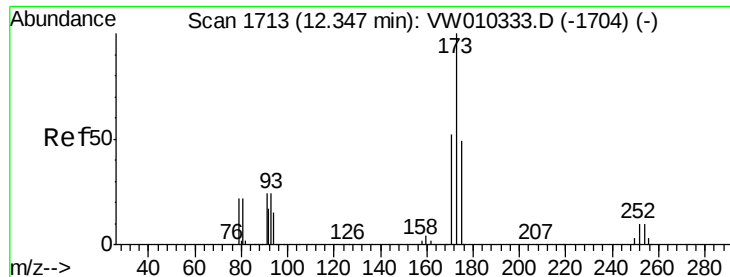
MMDadoda
5/13/2019 3:44:07 AM



#70
Styrene
Concen: 61.417 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion:104 Resp: 2697745
Ion Ratio Lower Upper
104 100
78 51.0 42.5 63.7
103 54.1 43.6 65.4





#71

Bromoform

Concen: 50.208 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 395507

Ion Ratio Lower Upper

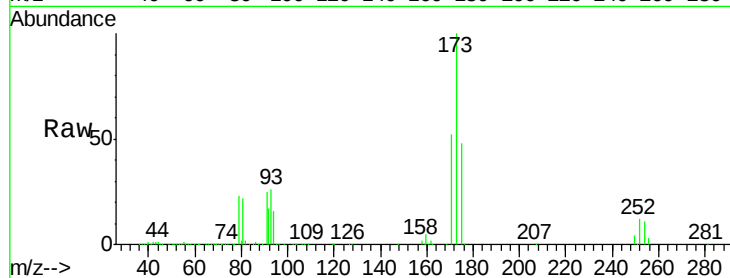
173 100

175 48.2 23.8 71.4

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

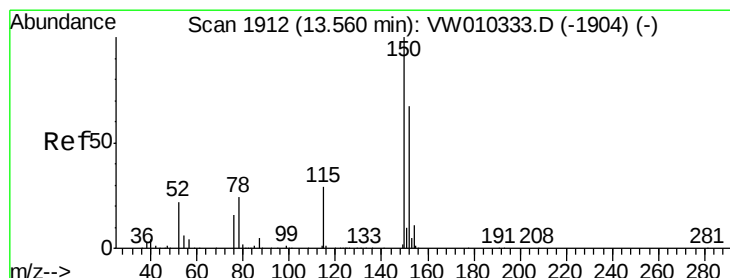
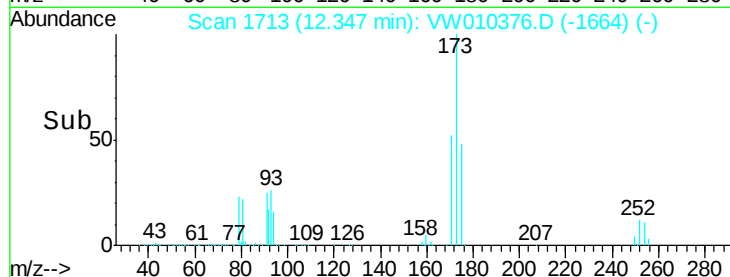
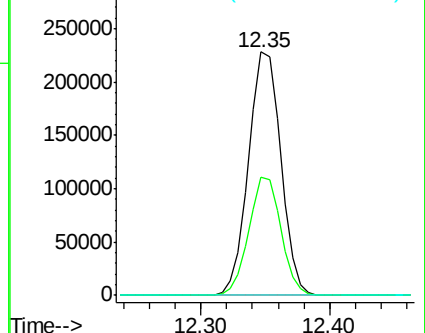
MMDadoda
5/13/2019 3:44:07 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

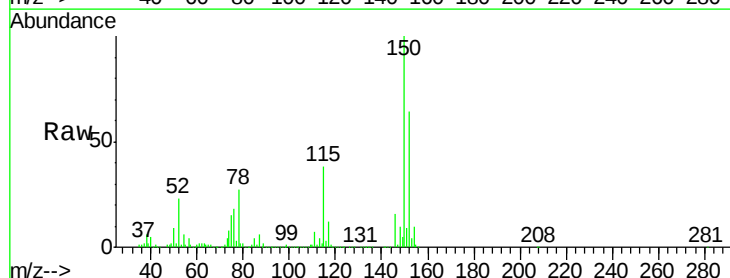
Tgt Ion:152 Resp: 960389

Ion Ratio Lower Upper

152 100

115 60.2 30.4 91.2

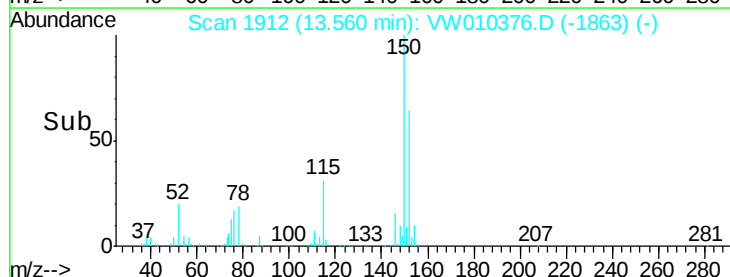
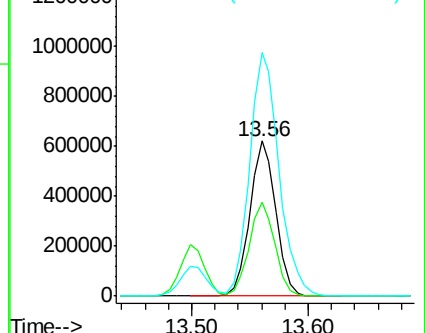
150 177.0 0.0 347.0

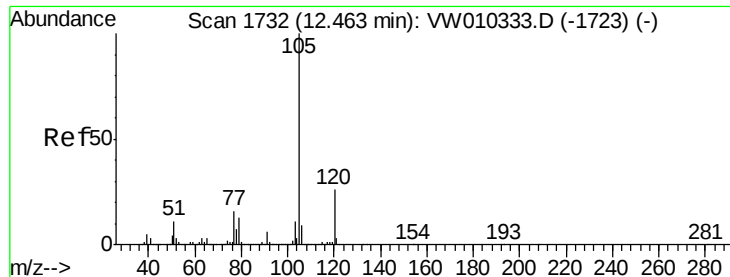


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





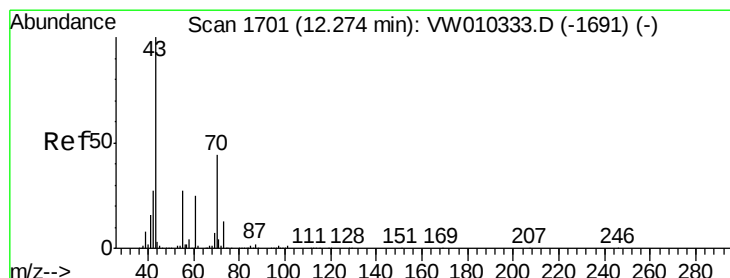
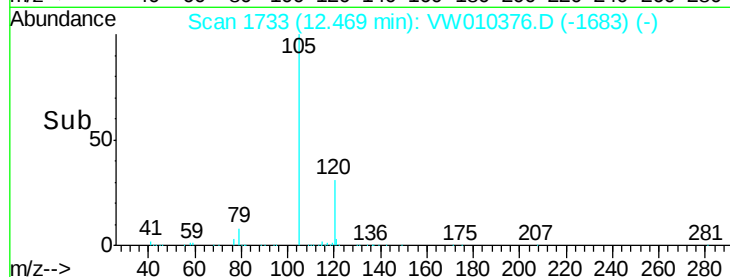
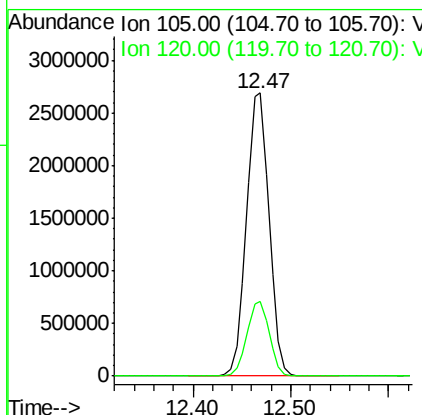
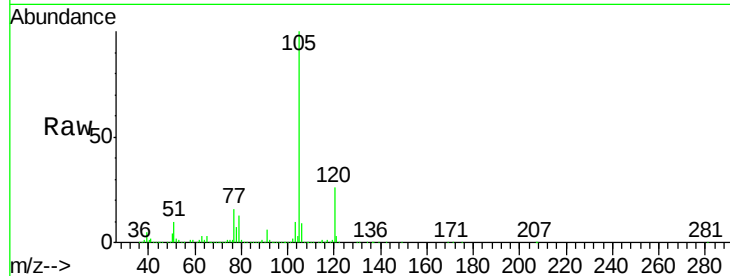
#73
Isopropylbenzene
Concen: 61.381 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 4296824
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1

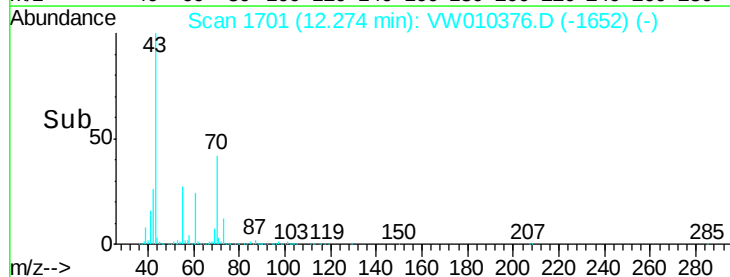
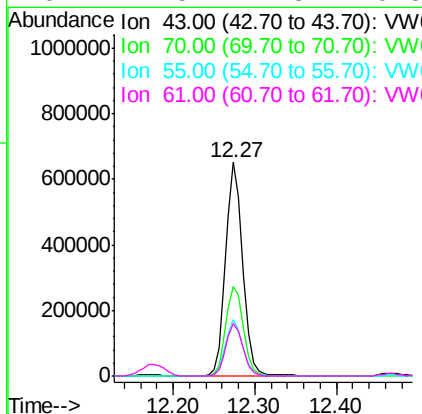
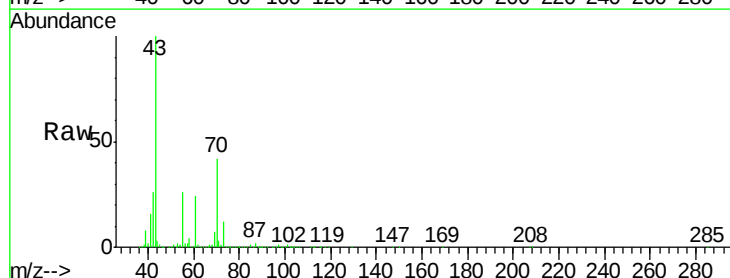
Manual Integrations
APPROVED

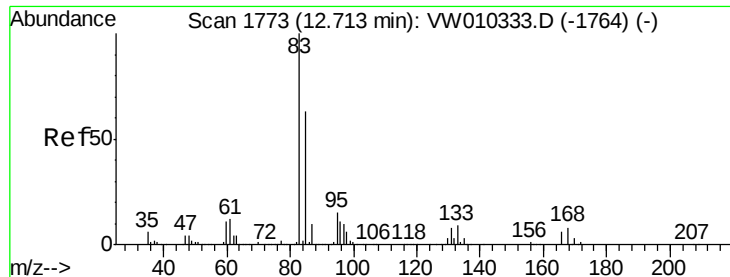
MMDadoda
5/13/2019 3:44:07 AM



#74
N-ethyl acetate
Concen: 51.734 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 43 Resp: 935613
Ion Ratio Lower Upper
43 100
70 43.9 31.3 46.9
55 27.0 20.0 30.0
61 24.5 17.8 26.8





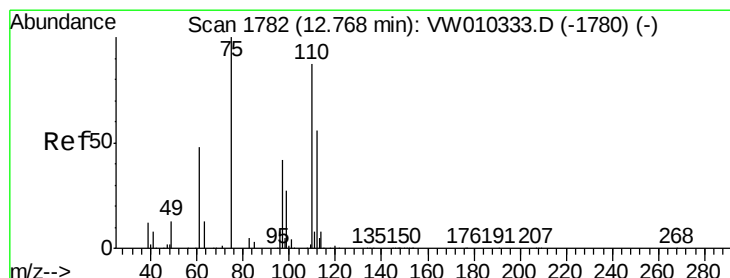
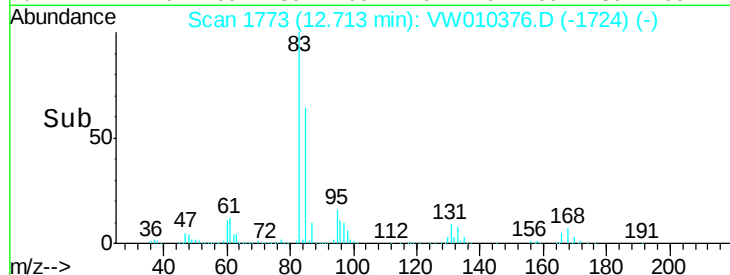
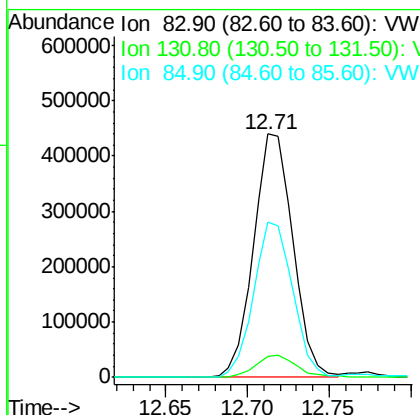
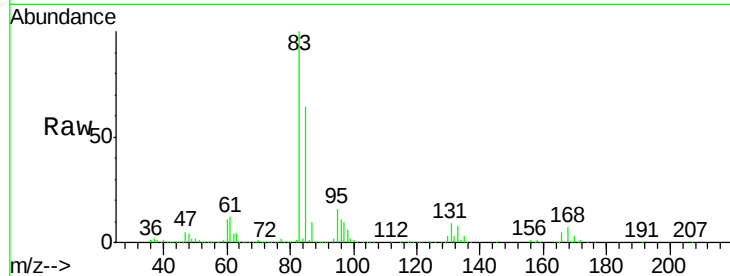
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.907 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.8	5.3	15.8	
85	63.3	32.0	96.2	

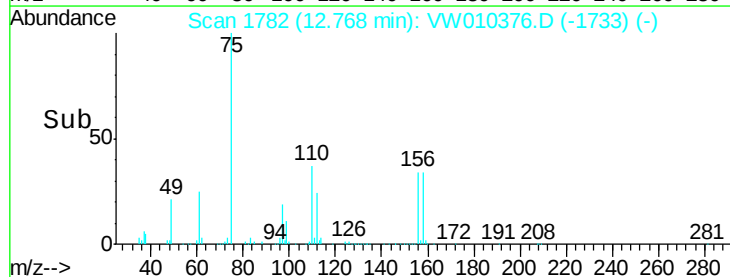
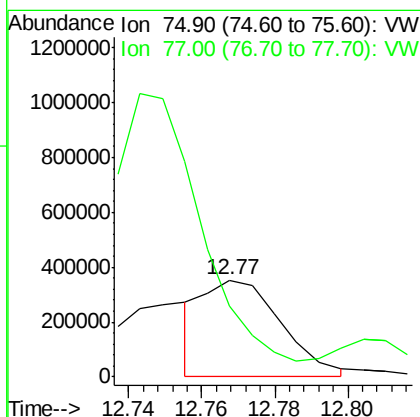
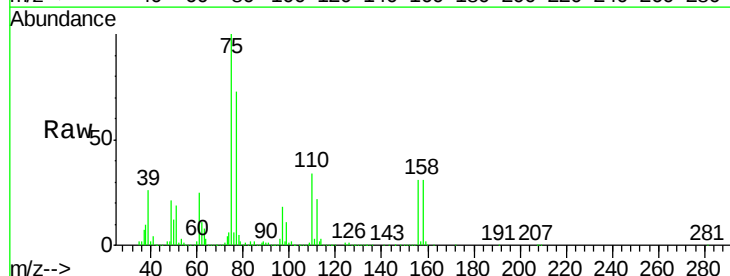
Manual Integrations
 APPROVED

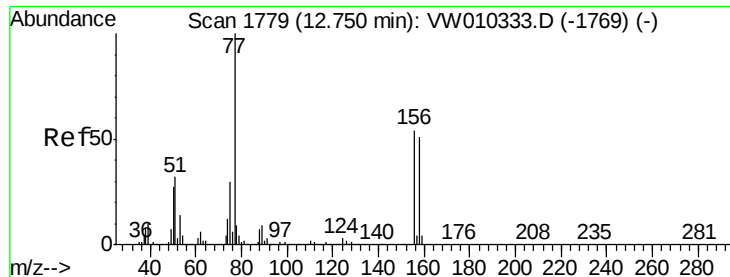
MMDadoda
 5/13/2019 3:44:07 AM



#76
 1,2,3-Trichloropropane
 Concen: 46.729 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

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





#77

Bromobenzene

Concen: 58.531 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

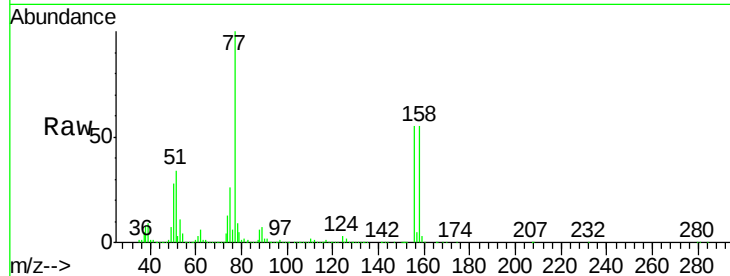
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	925160
Ion Ratio	Lower	Upper	
156	100		
77	204.2	102.5	307.4
158	97.3	48.8	146.4

Manual Integrations
APPROVED

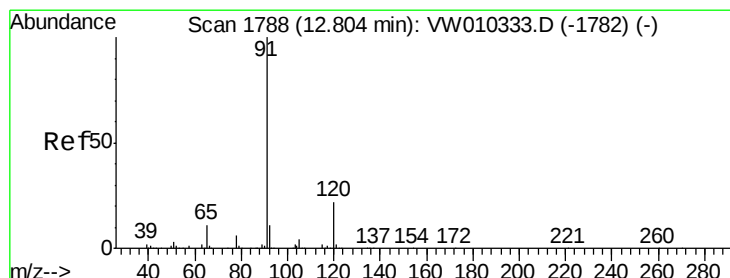
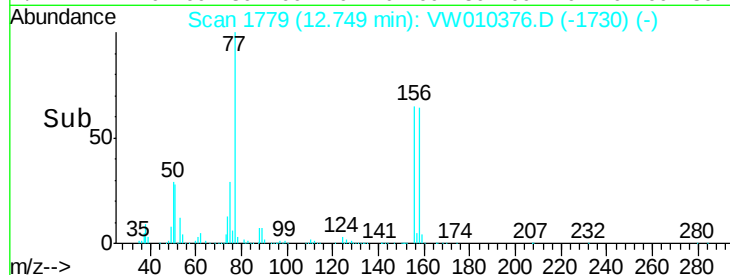
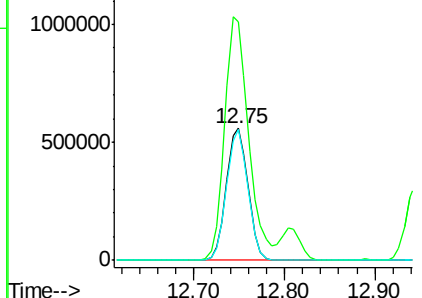
MMDadoda
5/13/2019 3:44:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 61.323 ug/l

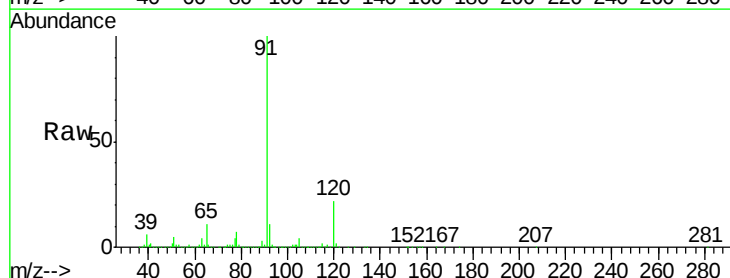
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010376.D

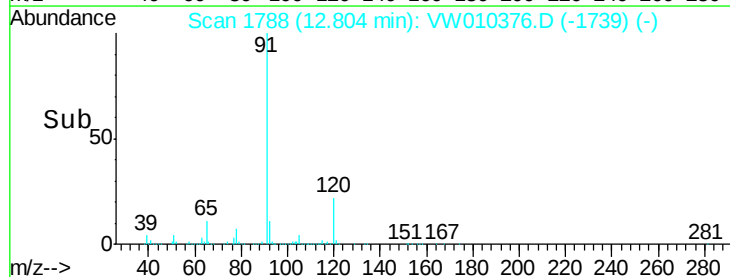
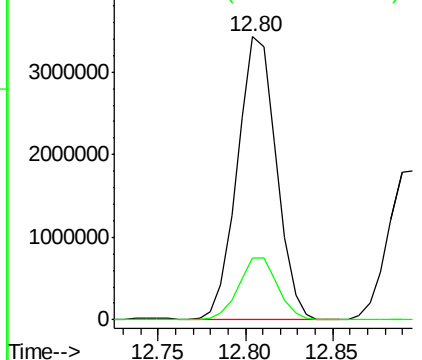
Acq: 11 May 2019 12:37

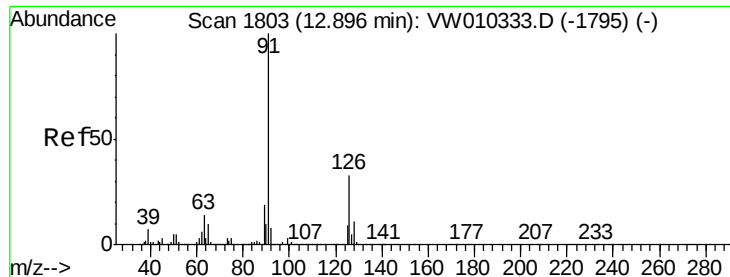
Tgt Ion:	91	Resp:	5301922
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.191 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2963657

Ion Ratio Lower Upper

91 100

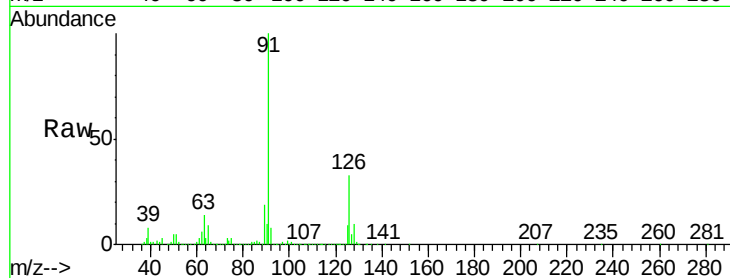
126 32.1 16.3 48.8

Manual Integrations

APPROVED

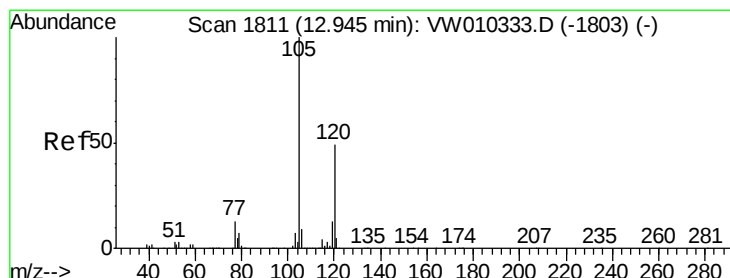
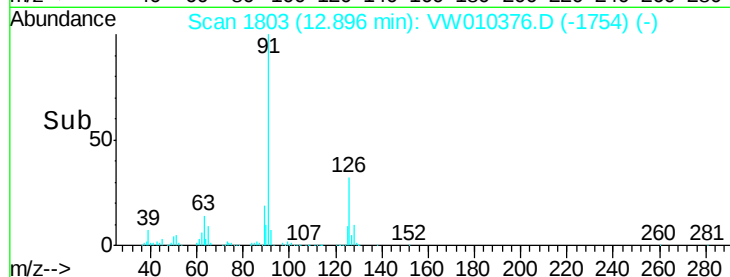
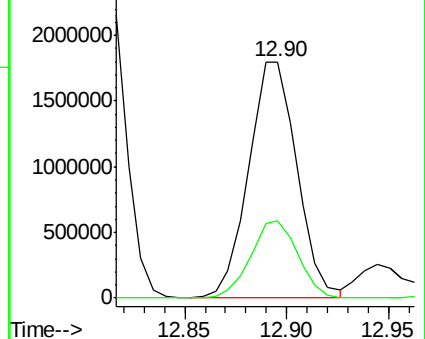
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 61.727 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010376.D

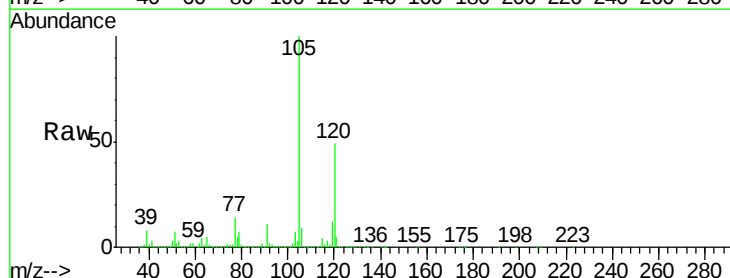
Acq: 11 May 2019 12:37

Tgt Ion:105 Resp: 3642891

Ion Ratio Lower Upper

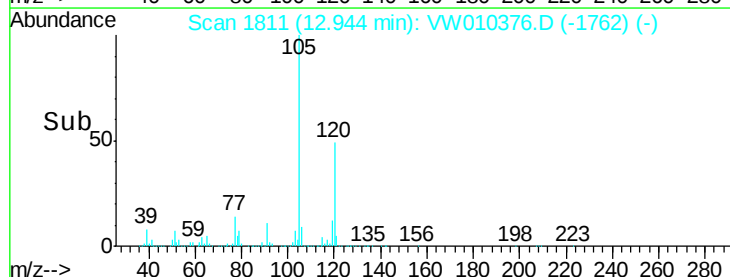
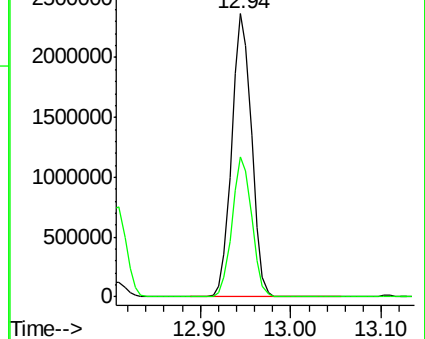
105 100

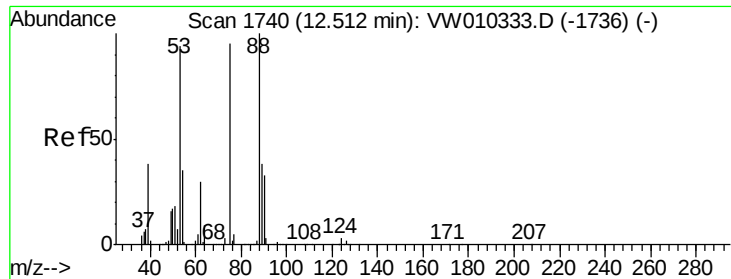
120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





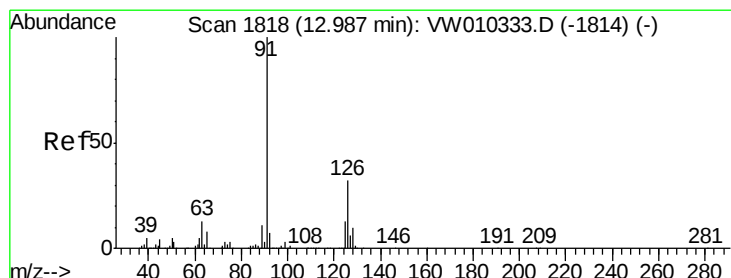
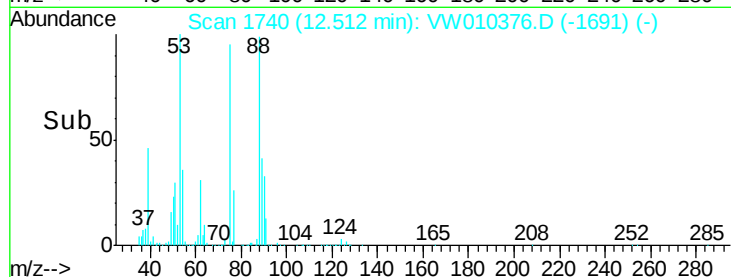
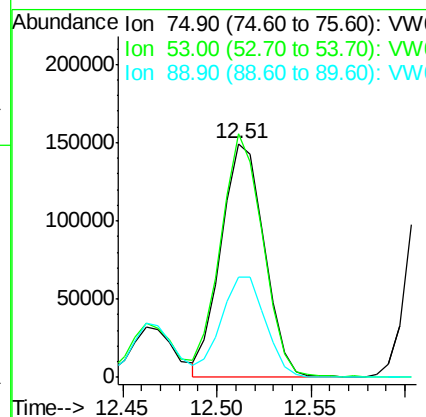
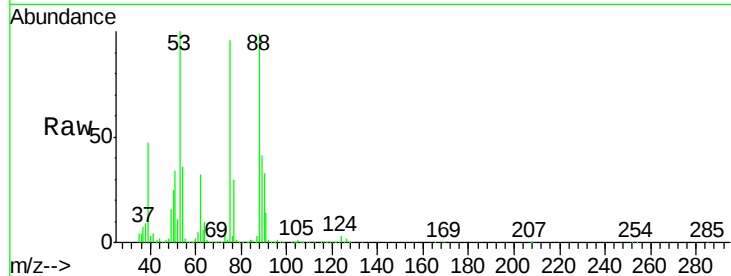
#81
trans-1,4-Dichloro-2-butene
Concen: 47.889 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	89.8	134.8
89	44.5	36.6	54.8

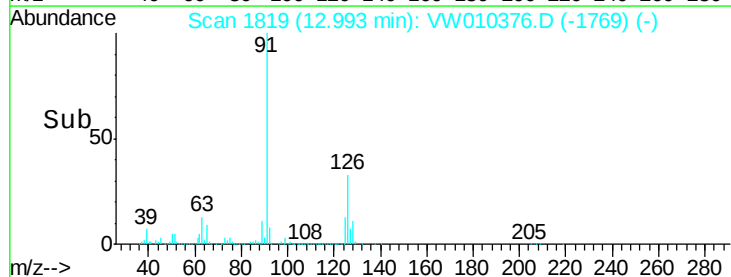
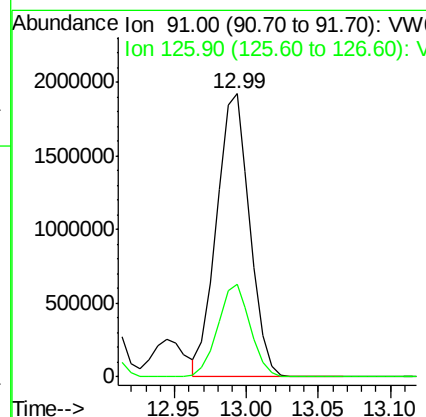
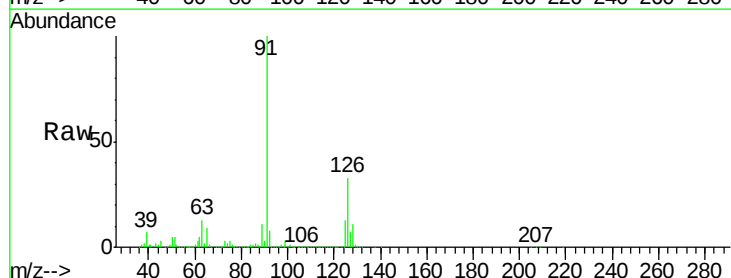
Manual Integrations
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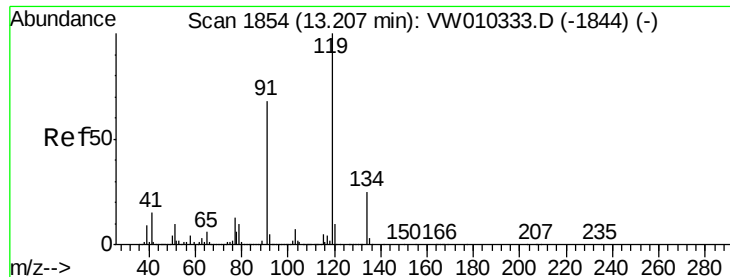
MMDadoda
5/13/2019 3:44:07 AM



#82
4-Chlorotoluene
Concen: 59.768 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 61.433 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3023994

Ion Ratio Lower Upper

119 100

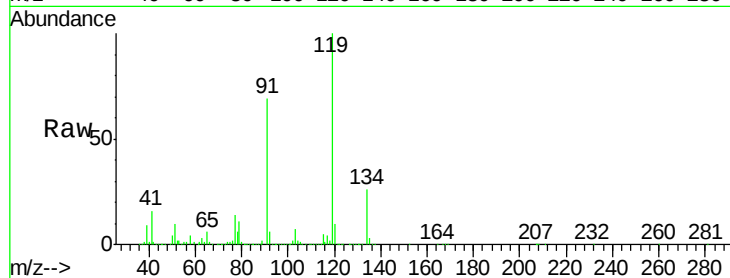
91 68.6 34.8 104.4

134 27.6 13.7 41.1

Manual Integrations
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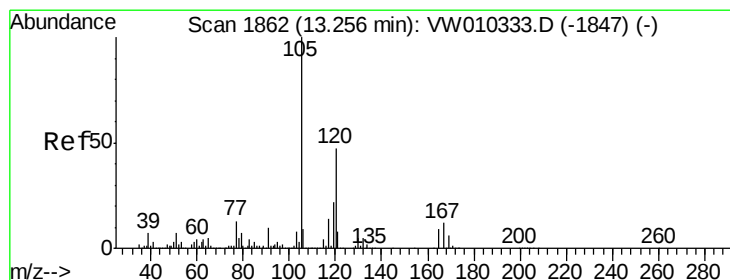
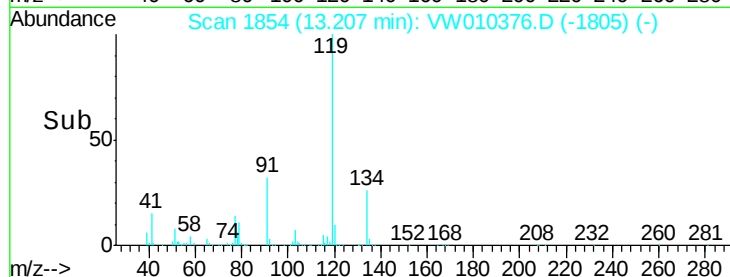
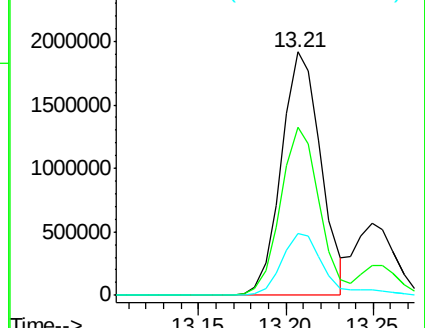
5/13/2019 3:44:07 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 61.528 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010376.D

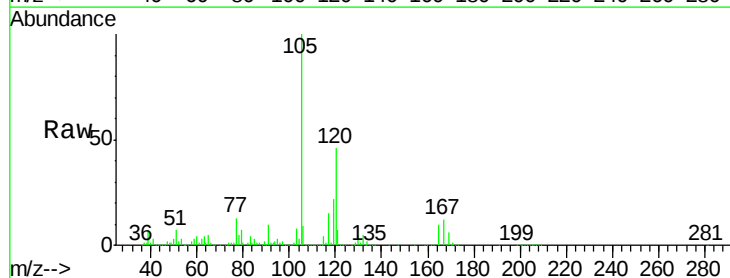
Acq: 11 May 2019 12:37

Tgt Ion:105 Resp: 3608311

Ion Ratio Lower Upper

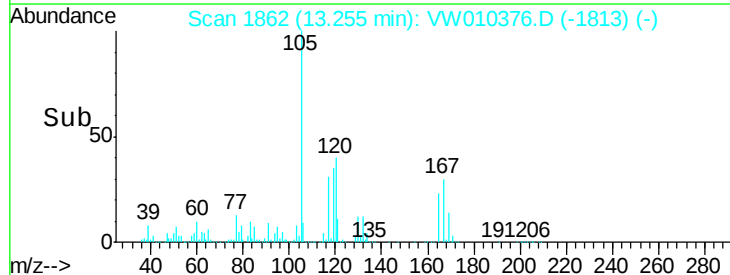
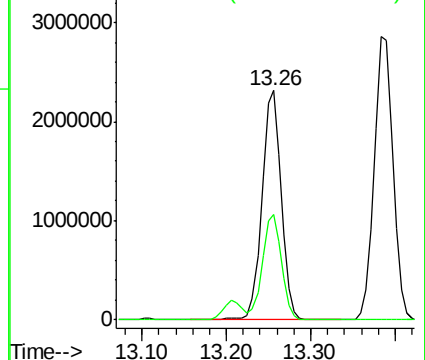
105 100

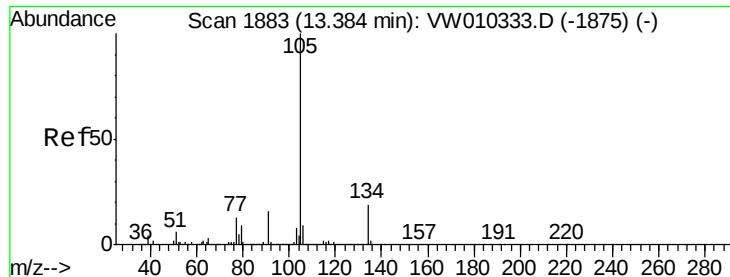
120 45.8 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 61.032 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4435018

Ion Ratio Lower Upper

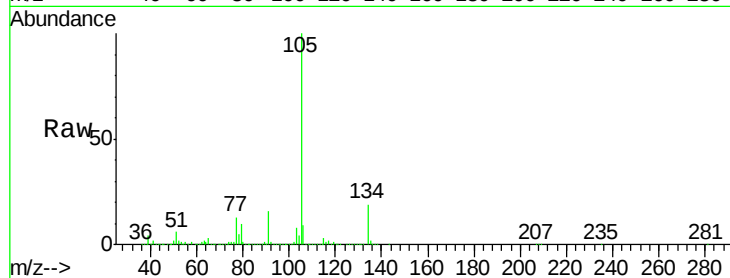
105 100

134 19.8 9.8 29.5

Manual Integrations
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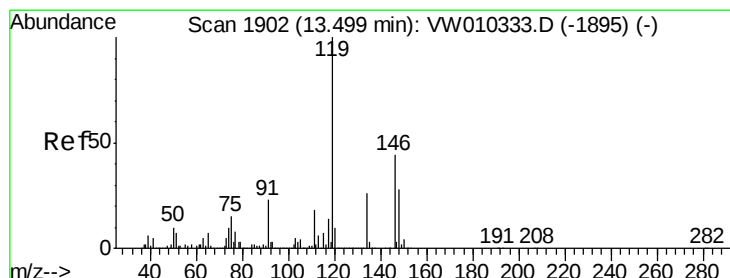
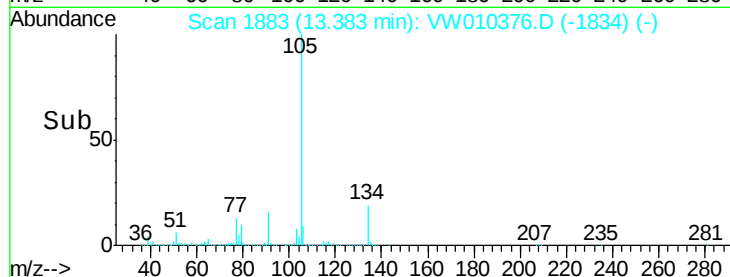
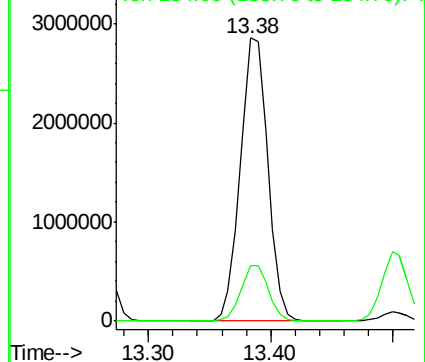
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 62.380 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

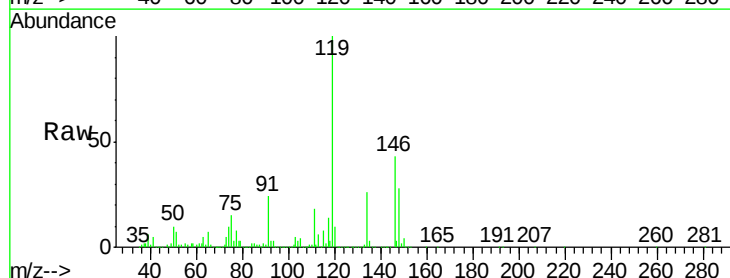
Tgt Ion:119 Resp: 4024712

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

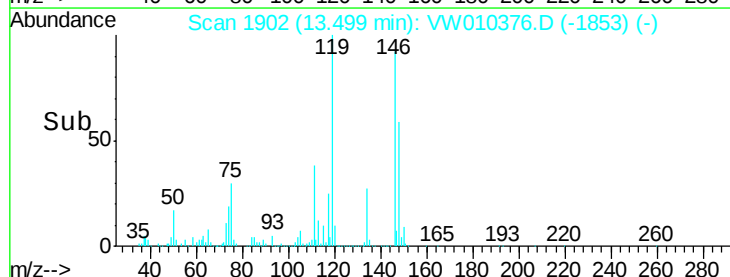
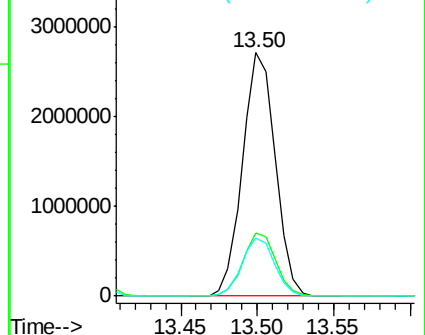
91 23.8 12.3 36.9

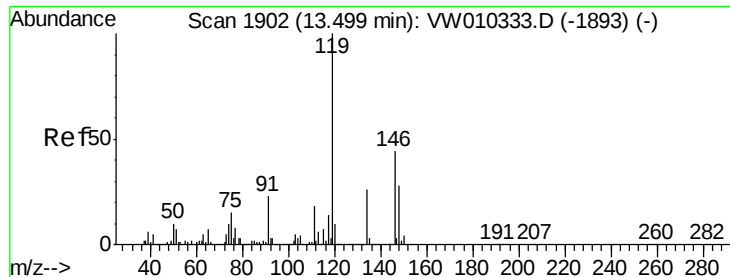


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 59.302 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1871727

Ion Ratio Lower Upper

146 100

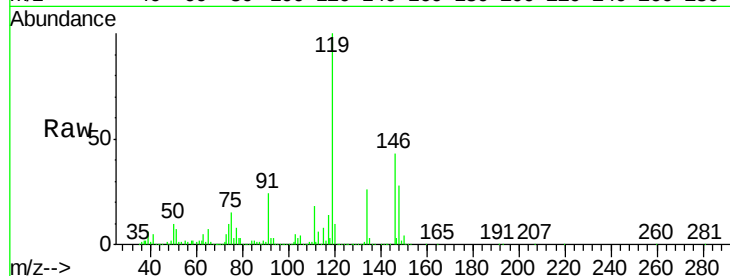
111 40.8 20.3 61.0

148 64.1 32.0 96.2

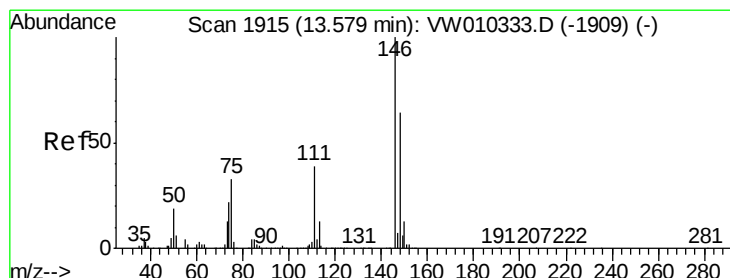
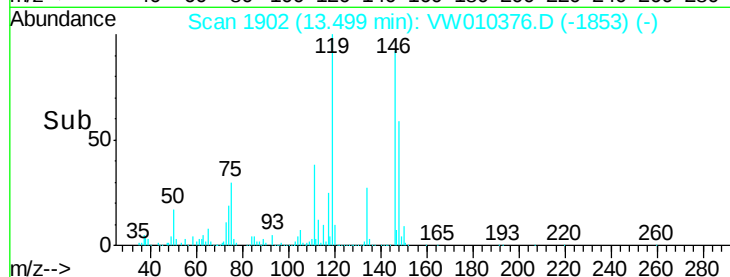
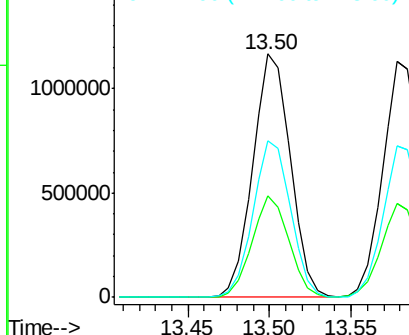
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 58.269 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

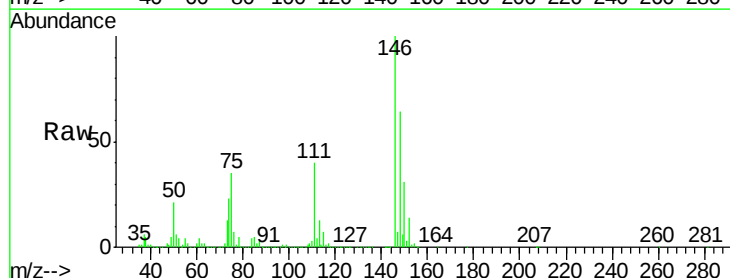
Tgt Ion:146 Resp: 1825112

Ion Ratio Lower Upper

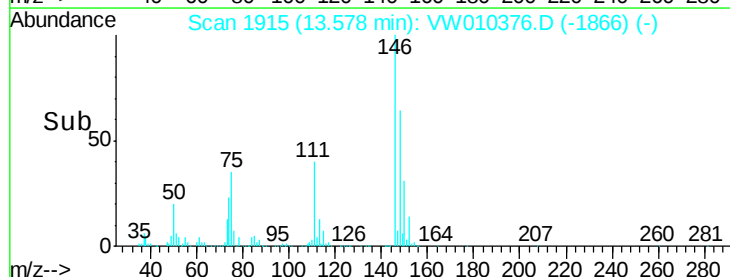
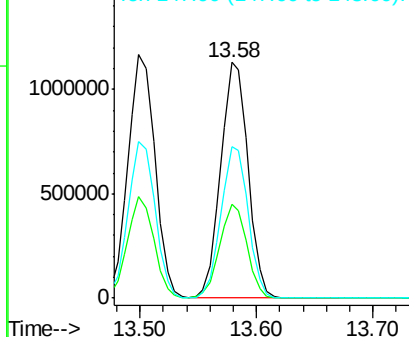
146 100

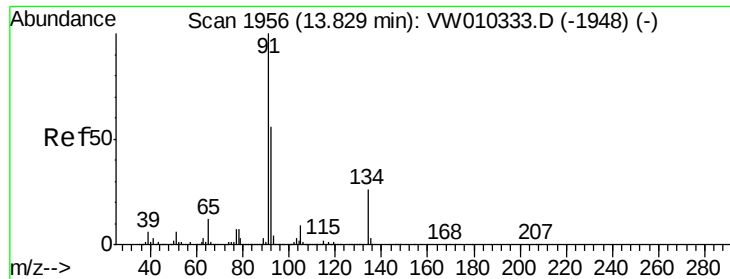
111 39.5 20.1 60.3

148 64.1 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





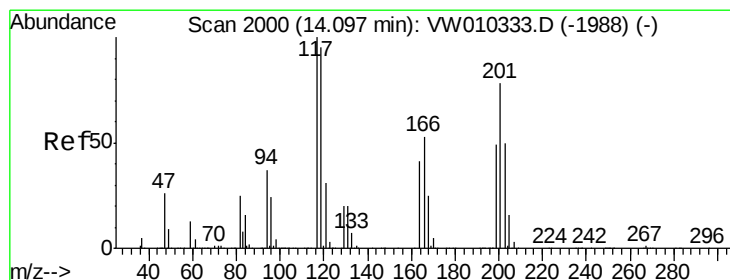
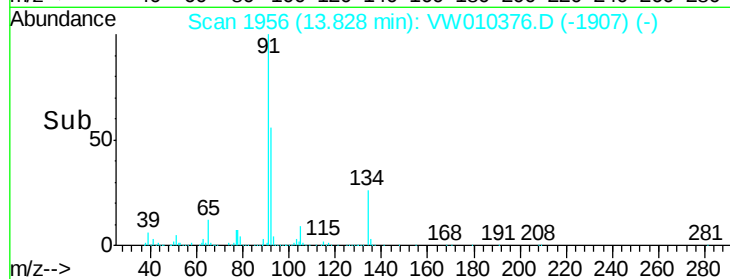
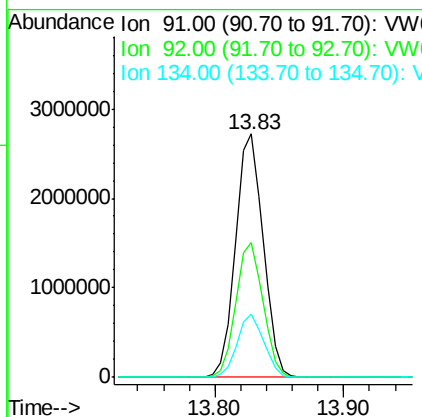
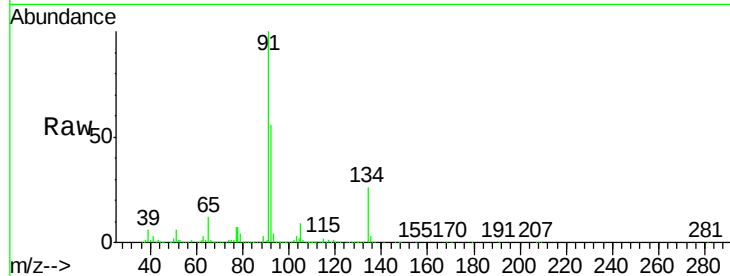
#89
n-Butylbenzene
Concen: 62.642 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4052479
Ion Ratio Lower Upper
91 100
92 54.6 26.5 79.4
134 25.0 12.4 37.0

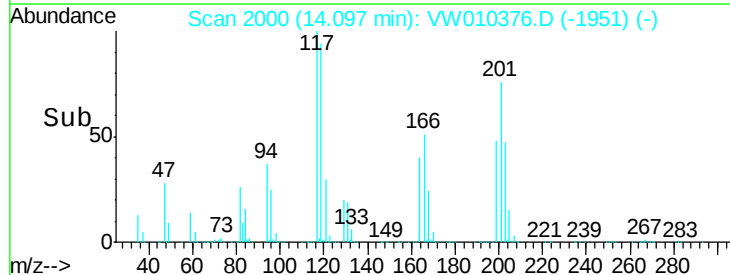
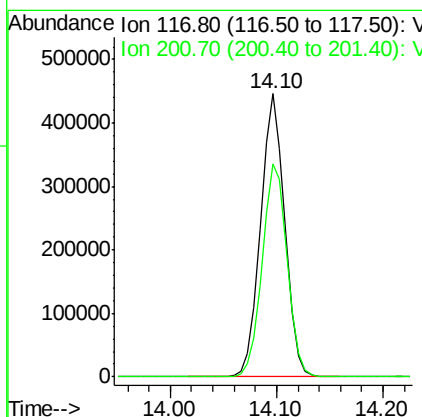
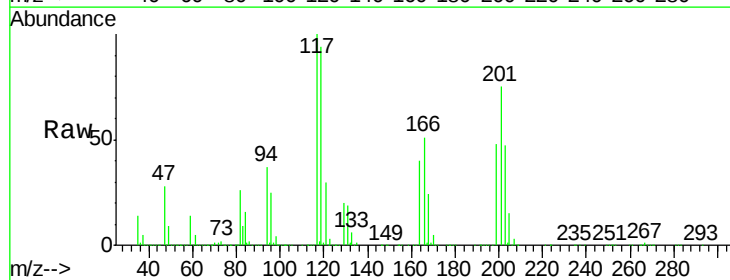
Manual Integrations
APPROVED

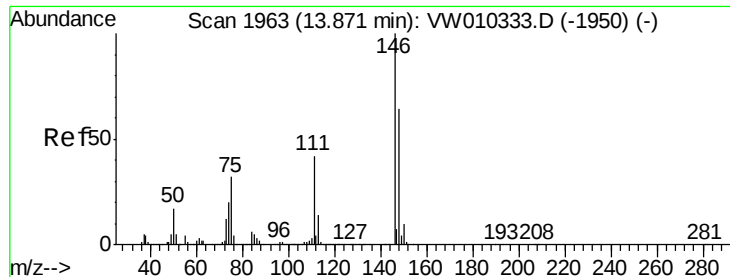
MMDadoda
5/13/2019 3:44:07 AM



#90
Hexachloroethane
Concen: 59.226 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion: 117 Resp: 708745
Ion Ratio Lower Upper
117 100
201 77.5 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 58.034 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1621462

Ion Ratio Lower Upper

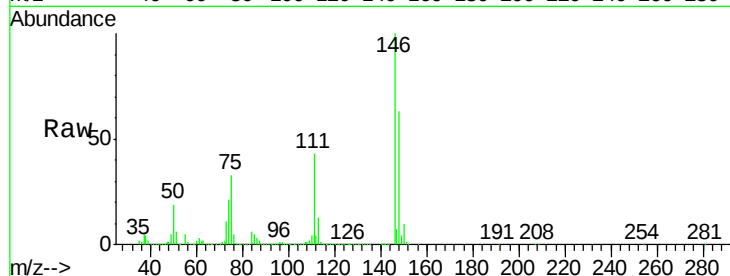
146 100

111 42.9 20.9 62.8

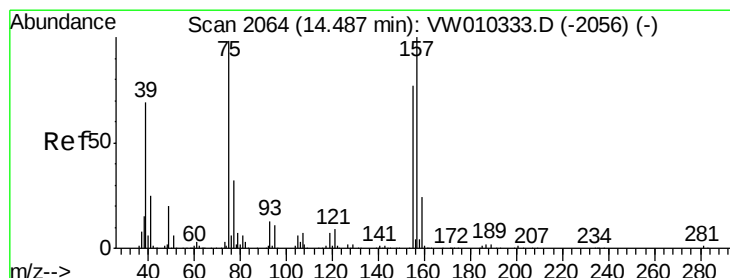
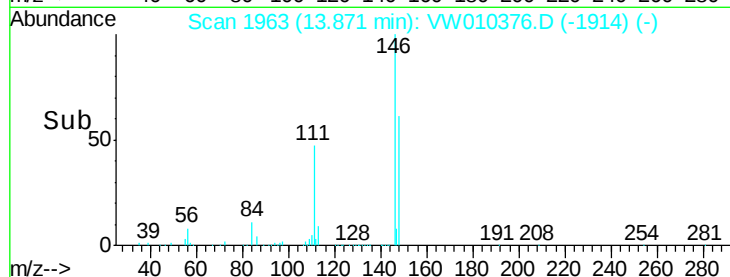
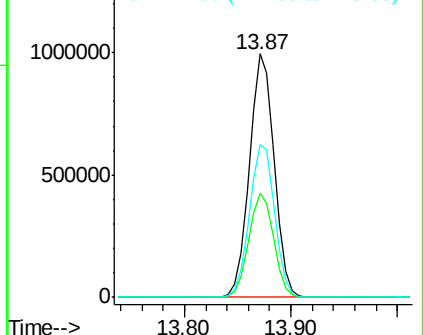
148 63.9 31.9 95.7

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 41.738 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010376.D

Acq: 11 May 2019 12:37

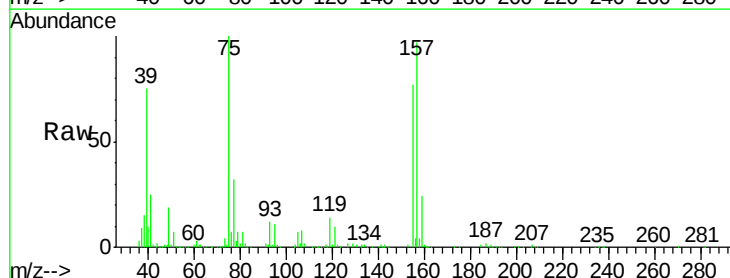
Tgt Ion: 75 Resp: 115928

Ion Ratio Lower Upper

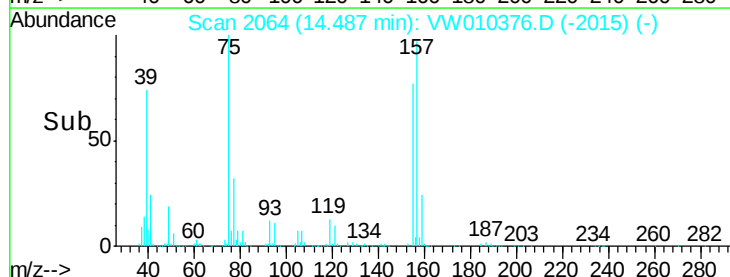
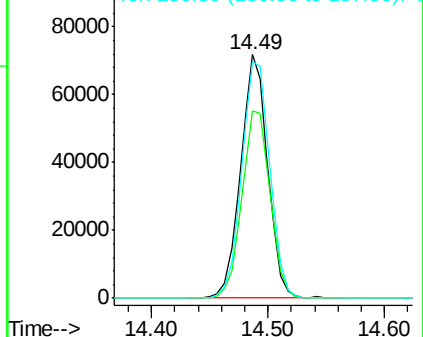
75 100

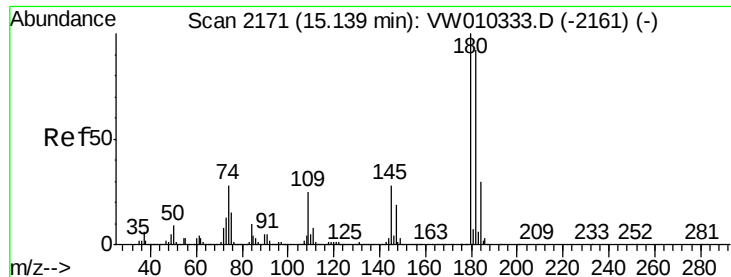
155 80.4 37.1 111.5

157 101.3 47.3 141.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





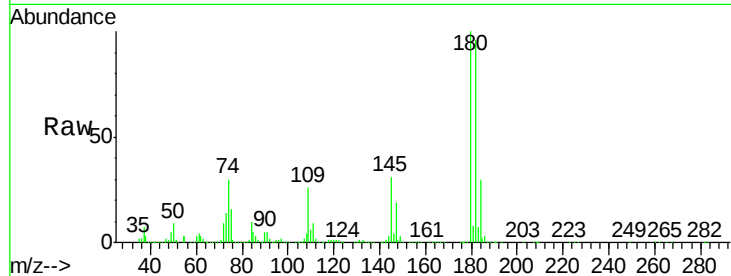
#93
 1,2,4-Trichlorobenzene
 Concen: 62.384 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

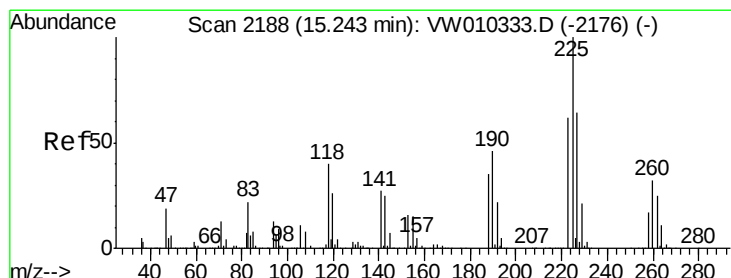
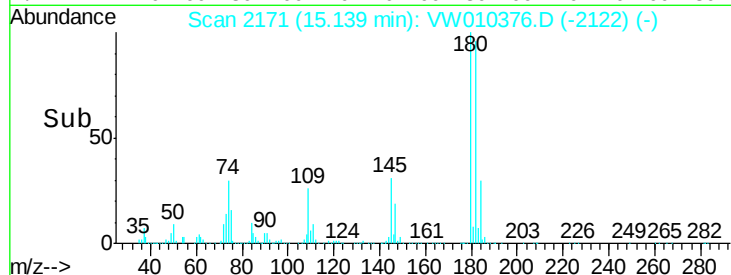
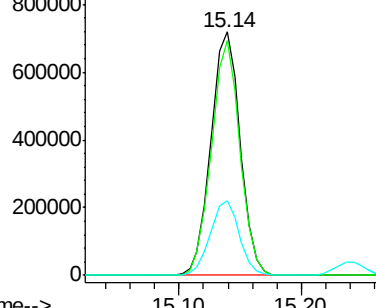
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.4
145	30.4	15.2	45.6

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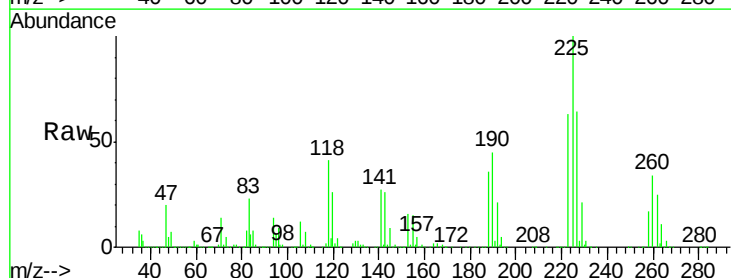


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

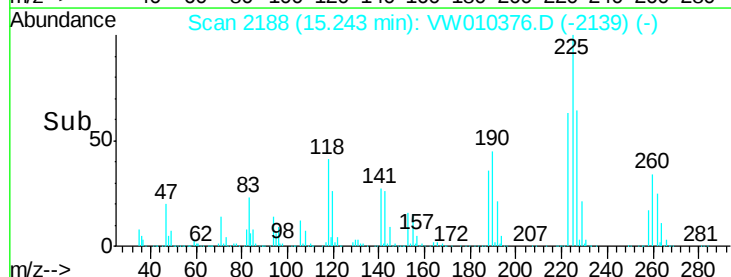
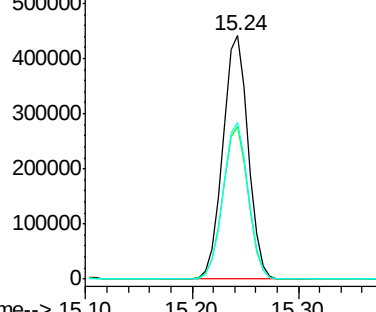


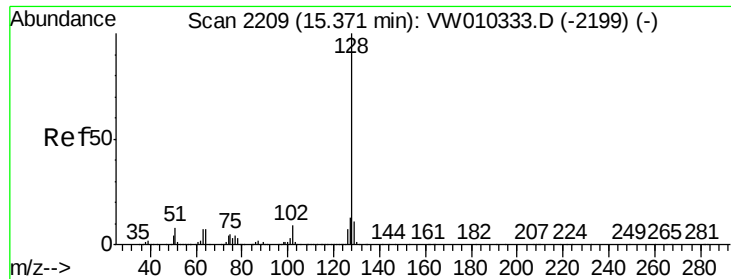
#94
 Hexachlorobutadiene
 Concen: 60.248 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010376.D
 Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	64.1	31.8	95.3



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





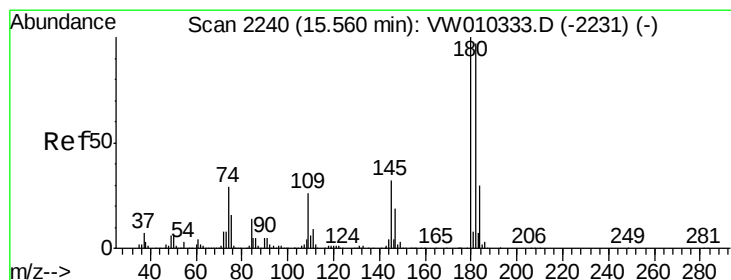
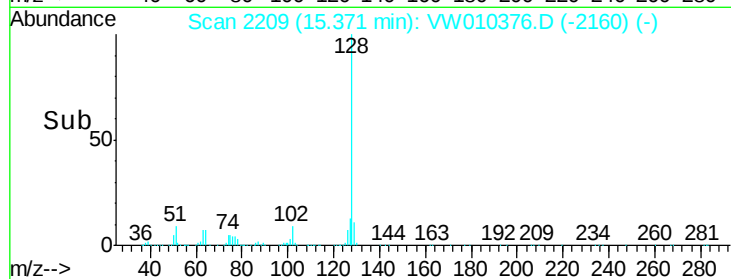
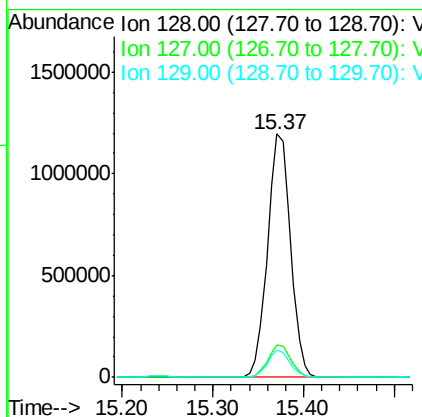
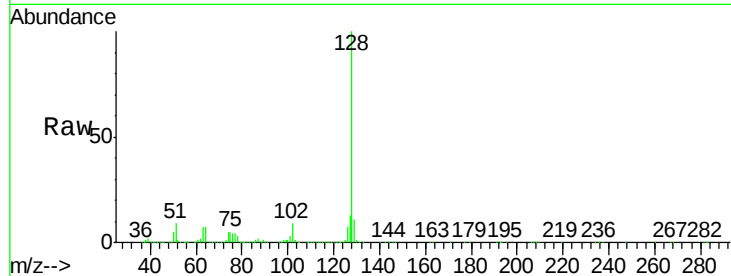
#95
Naphthalene
Concen: 48.378 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 59.837 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010376.D
Acq: 11 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	31.7	16.4	49.2

