

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010560.D
 Acq On : 28 May 2019 11:46
 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
 5/29/2019 11:05:27 AM

Quant Time: May 29 07:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	158390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	250747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	72371	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
35) Dibromofluoromethane	7.88	113	79211	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.32	98	295392	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.62	95	111865	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	65357	46.296	ug/l	98
3) Chloromethane	2.21	50	70360	42.280	ug/l	99
4) Vinyl Chloride	2.36	62	80849	41.942	ug/l	99
5) Bromomethane	2.75	94	54813	41.334	ug/l	97
6) Chloroethane	2.91	64	55100	44.528	ug/l	98
7) Trichlorofluoromethane	3.25	101	141779	49.819	ug/l	97
8) Diethyl Ether	3.68	74	41179	45.646	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87889	50.147	ug/l	95
10) Methyl Iodide	4.27	142	100170	50.004	ug/l	97
11) Tert butyl alcohol	5.16	59	35875	243.958	ug/l	96
12) 1,1-Dichloroethene	4.03	96	82592	49.367	ug/l	96
13) Acrolein	3.89	56	23287	273.902	ug/l	98
14) Allyl chloride	4.67	41	114558	47.305	ug/l	100
15) Acrylonitrile	5.36	53	82661	218.789	ug/l	98
16) Acetone	4.12	43	87584	262.455	ug/l	99
17) Carbon Disulfide	4.37	76	232741	46.640	ug/l	99
18) Methyl Acetate	4.67	43	33438	40.970	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	197514	46.310	ug/l	99
20) Methylene Chloride	4.92	84	83317	41.710	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	93562	48.756	ug/l	97
22) Diisopropyl ether	6.31	45	228710	46.059	ug/l	99
23) Vinyl Acetate	6.25	43	682179	229.988	ug/l	99
24) 1,1-Dichloroethane	6.21	63	143086	48.287	ug/l	98
25) 2-Butanone	7.17	43	114371	239.485	ug/l	100
26) 2,2-Dichloropropane	7.17	77	145318	51.483	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	102085	48.931	ug/l	99
28) Bromochloromethane	7.51	49	51737	48.765	ug/l	88
29) Tetrahydrofuran	7.52	42	67289	208.222	ug/l	97
30) Chloroform	7.68	83	154257	48.262	ug/l	99
31) Cyclohexane	7.95	56	140033	45.114	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	151868	49.713	ug/l	98
36) 1,1-Dichloropropene	8.08	75	123735	52.973	ug/l	99
37) Ethyl Acetate	7.25	43	48956	49.286	ug/l	99
38) Carbon Tetrachloride	8.06	117	138893	55.121	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	168641	53.888	ug/l	99
40) Benzene	8.32	78	341663	52.626	ug/l	100
41) Methacrylonitrile	7.48	41	27846	47.181	ug/l	99
42) 1,2-Dichloroethane	8.40	62	94008	50.663	ug/l	99
43) Isopropyl Acetate	8.42	43	94161	47.450	ug/l	99
44) Trichloroethene	9.09	130	108029	56.048	ug/l	95
45) 1,2-Dichloropropane	9.37	63	80097	51.946	ug/l	98
46) Dibromomethane	9.46	93	46236	51.274	ug/l	93
47) Bromodichloromethane	9.65	83	118376	52.239	ug/l	98
48) Methyl methacrylate	9.43	41	45510	50.130	ug/l	93
49) 1,4-Dioxane	9.45	88	13322	904.380	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	236976	235.669	ug/l	100
52) Toluene	10.39	92	230108	52.776	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118012	51.421	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	138653	52.900	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	65866	50.795	ug/l	99
56) Ethyl methacrylate	10.65	69	85970	48.071	ug/l	98
57) 1,3-Dichloropropane	10.93	76	110643	50.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	198924	251.126	ug/l	97
59) 2-Hexanone	10.97	43	173798	242.293	ug/l	99
60) Dibromochloromethane	11.13	129	86853	52.923	ug/l	100
61) 1,2-Dibromoethane	11.23	107	66564	50.675	ug/l	99
64) Tetrachloroethene	10.86	164	88280	57.452	ug/l	96
65) Chlorobenzene	11.66	112	252546	53.758	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	92049	54.698	ug/l	99
67) Ethyl Benzene	11.73	91	440385	53.096	ug/l	100
68) m/p-Xylenes	11.84	106	350424	107.716	ug/l	98
69) o-Xylene	12.16	106	164079	53.233	ug/l	98
70) Styrene	12.18	104	278909	53.331	ug/l	99
71) Bromoform	12.35	173	49723	53.655	ug/l #	100
73) Isopropylbenzene	12.47	105	455103	52.382	ug/l	99
74) N-amyl acetate	12.27	43	90992	45.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	73788	46.693	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	51191m	46.061	ug/l	
77) Bromobenzene	12.75	156	106595	54.826	ug/l	94
78) n-propylbenzene	12.80	91	521197	51.476	ug/l	99
79) 2-Chlorotoluene	12.90	91	297770	50.713	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	379195	51.532	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25746	48.348	ug/l	98
82) 4-Chlorotoluene	12.99	91	310044	50.872	ug/l	98
83) tert-Butylbenzene	13.21	119	348047	54.149	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	375585	51.248	ug/l	99
85) sec-Butylbenzene	13.38	105	471220	52.387	ug/l	99
86) p-Isopropyltoluene	13.50	119	429349	52.735	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	203115	53.248	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	204202	53.356	ug/l	99
89) n-Butylbenzene	13.83	91	401414	51.834	ug/l	99
90) Hexachloroethane	14.10	117	84771	53.793	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	184703	53.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13389	45.566	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	136453	57.702	ug/l	99
94) Hexachlorobutadiene	15.24	225	76298	60.395	ug/l	98
95) Naphthalene	15.37	128	250179	50.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	116583	57.294	ug/l	100

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

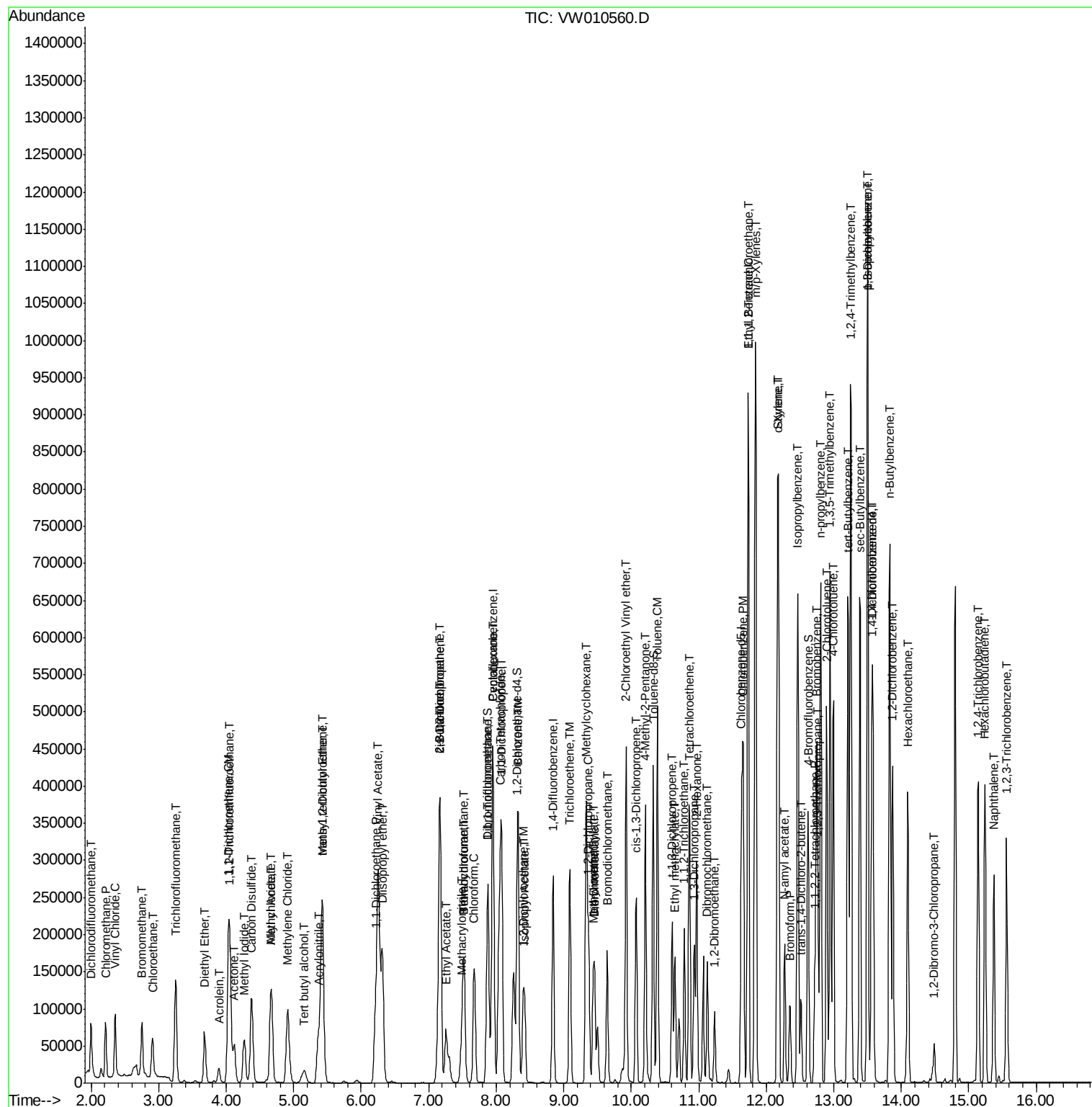
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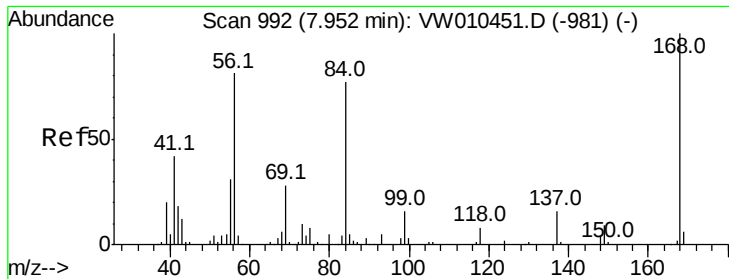
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 158390

Ion Ratio Lower Upper

168 100

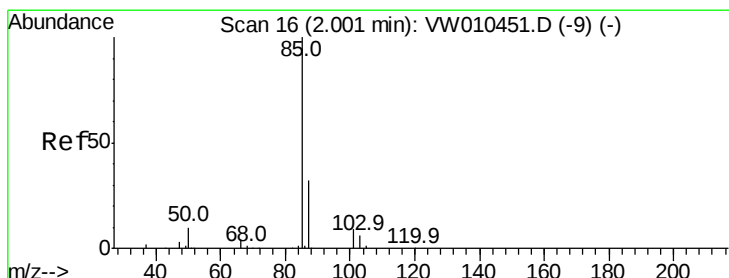
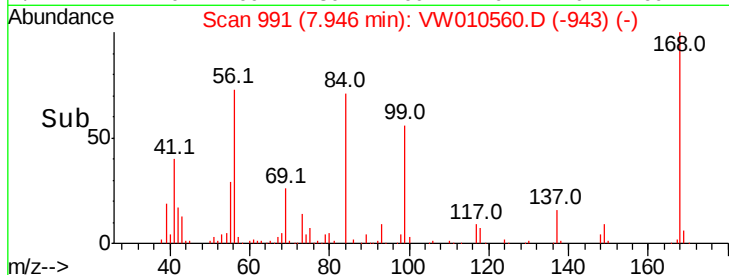
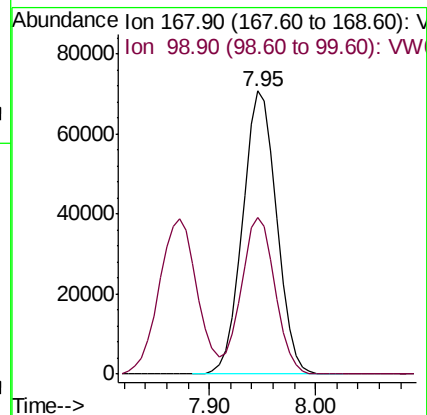
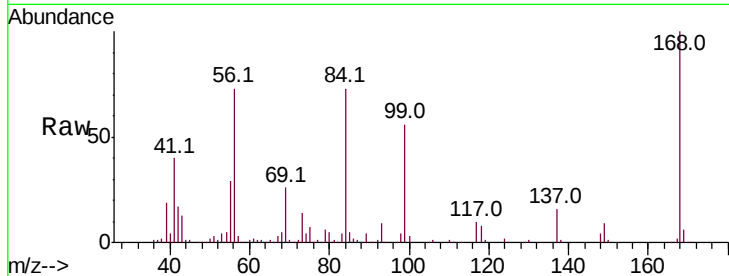
99 55.5 46.1 69.1

Manual Integrations

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5/29/2019 11:05:27 AM



#2

Dichlorodifluoromethane

Concen: 46.296 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010560.D

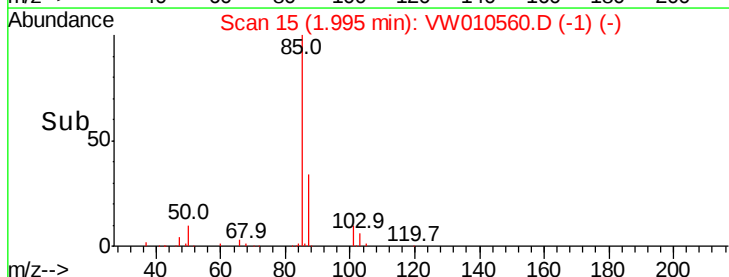
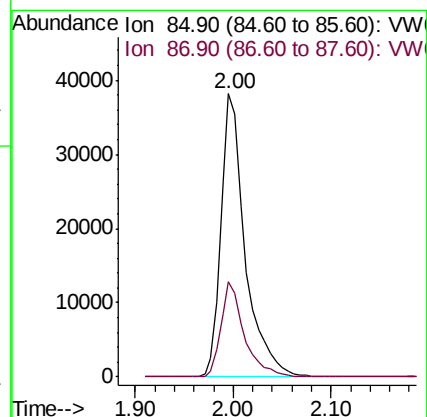
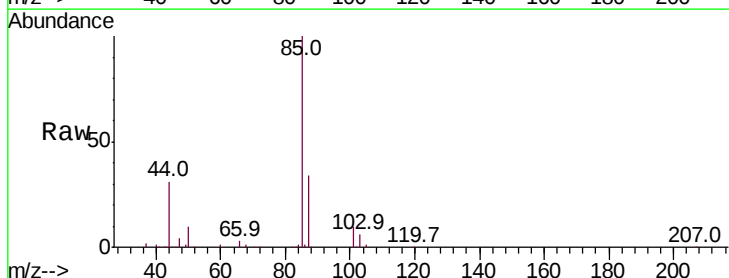
Acq: 28 May 2019 11:46

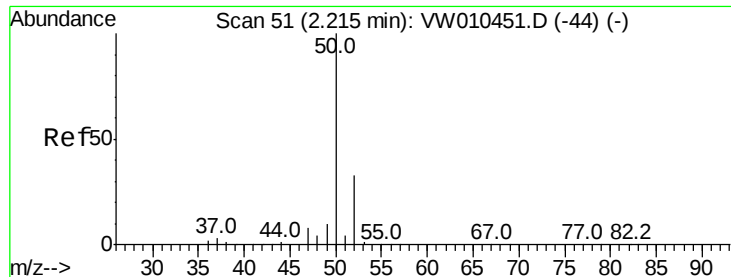
Tgt Ion: 85 Resp: 65357

Ion Ratio Lower Upper

85 100

87 33.6 16.3 48.8





#3

Chloromethane

Concen: 42.280 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 70360

Ion Ratio Lower Upper

50 100

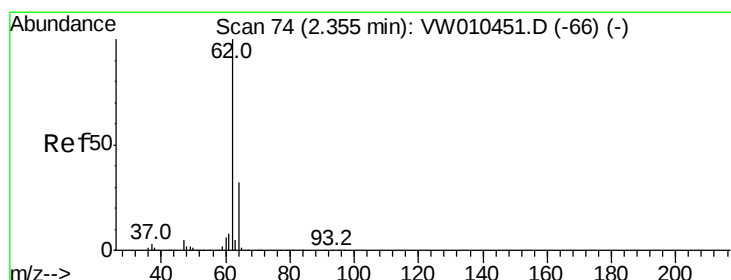
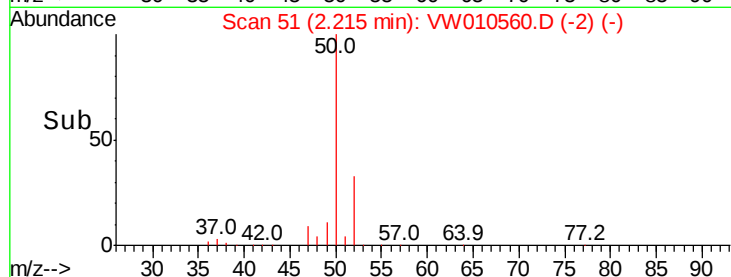
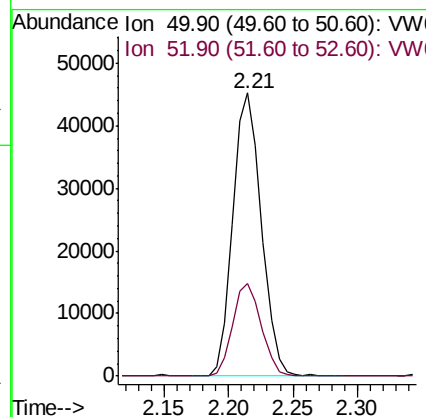
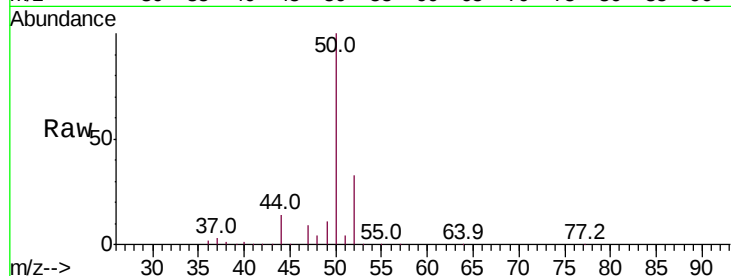
52 32.5 26.3 39.5

Manual Integrations

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5/29/2019 11:05:27 AM



#4

Vinyl Chloride

Concen: 41.942 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010560.D

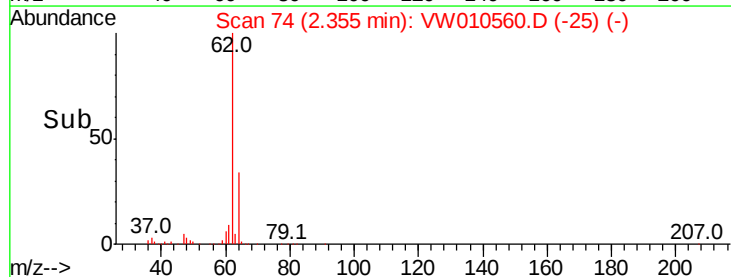
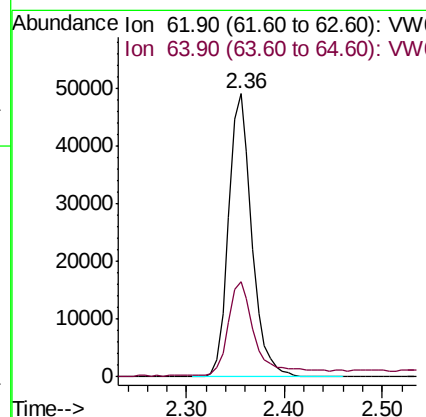
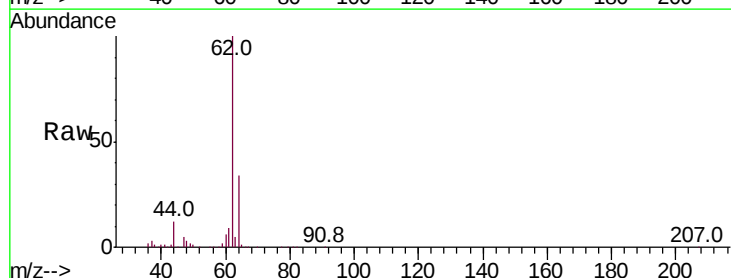
Acq: 28 May 2019 11:46

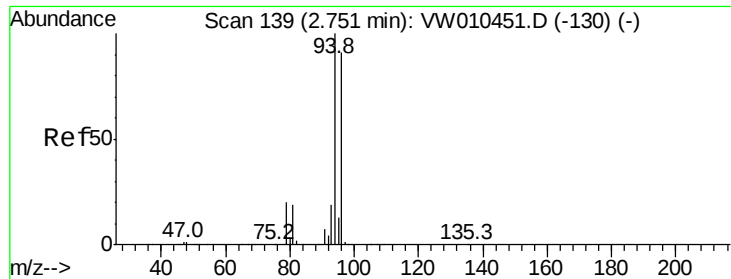
Tgt Ion: 62 Resp: 80849

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 41.334 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 54813

Ion Ratio Lower Upper

94 100

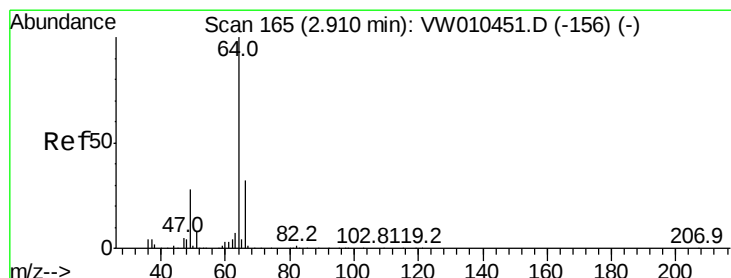
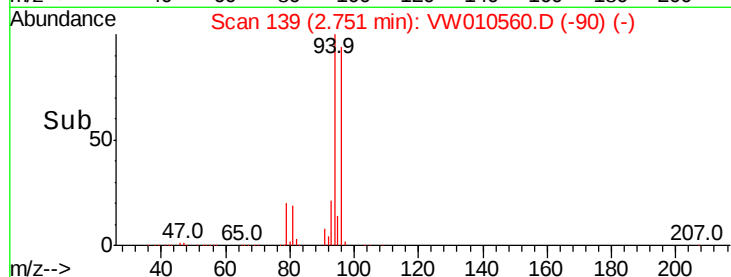
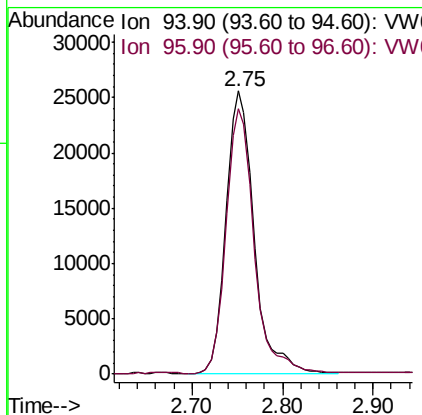
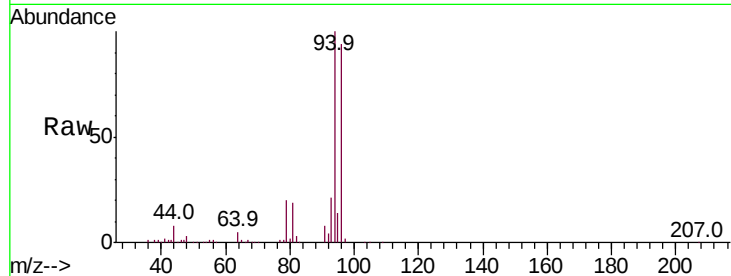
96 93.8 72.9 109.3

Manual Integrations

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5/29/2019 11:05:27 AM



#6

Chloroethane

Concen: 44.528 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010560.D

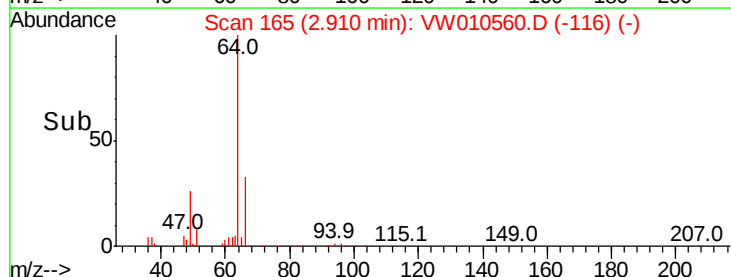
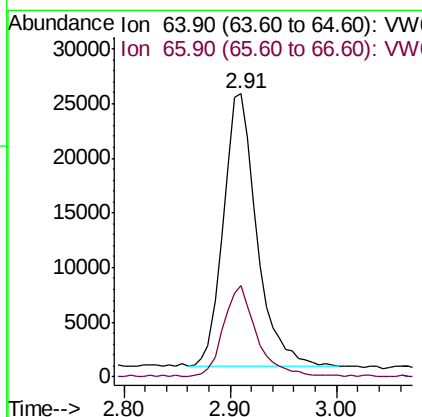
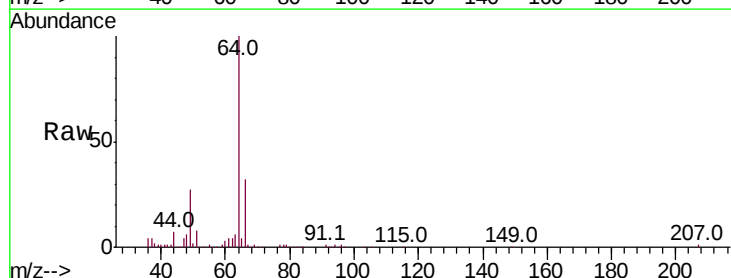
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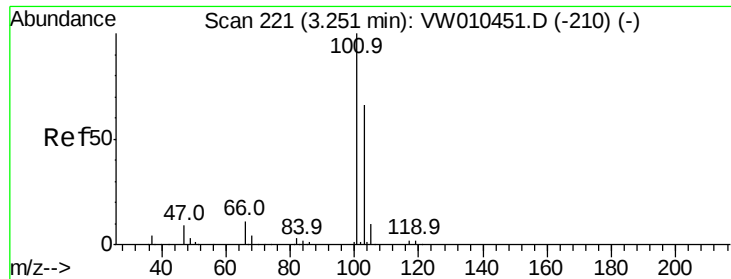
Tgt Ion: 64 Resp: 55100

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3





#7

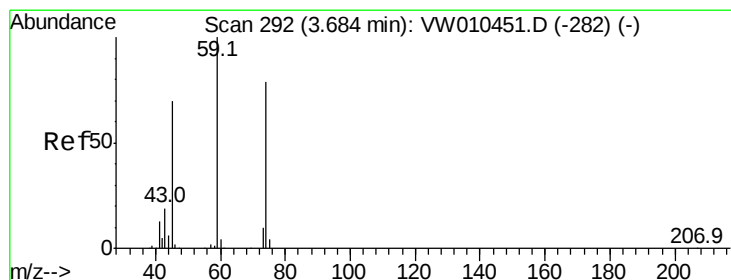
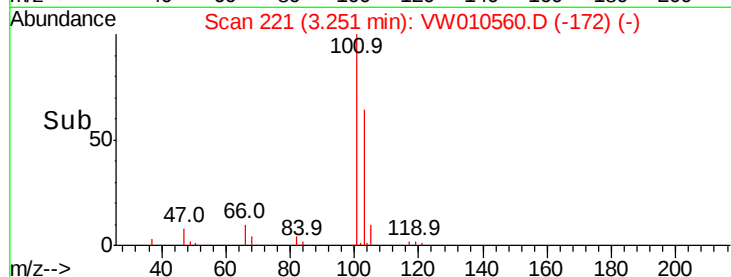
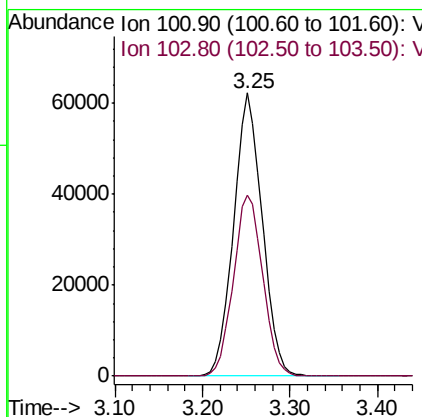
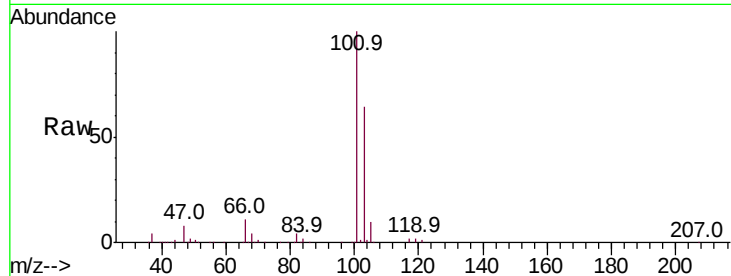
Trichlorofluoromethane
 Concen: 49.819 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010560.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	141779		
103	63.9	53.0	79.4	

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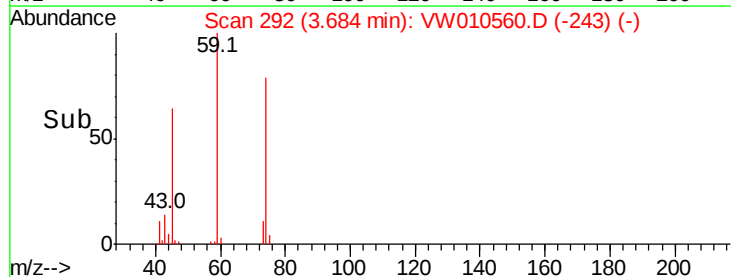
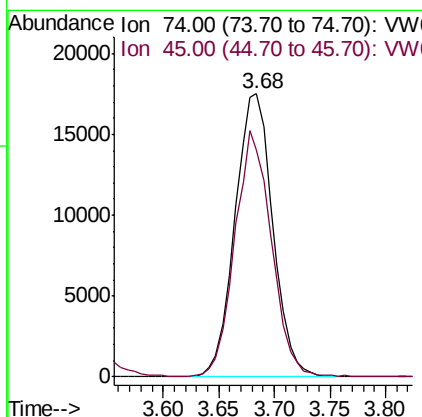
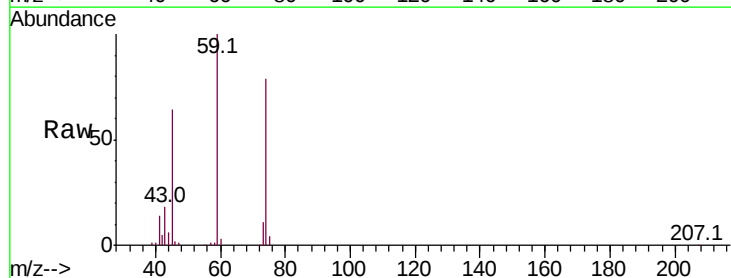
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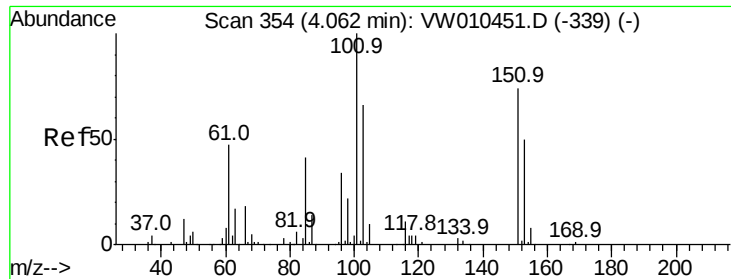


#8

Diethyl Ether
 Concen: 45.646 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010560.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41179		
45	84.4	42.9	128.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.147 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

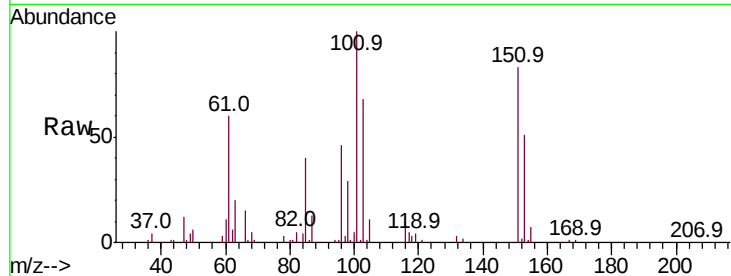
ClientSampleId :

VSTDCCC050

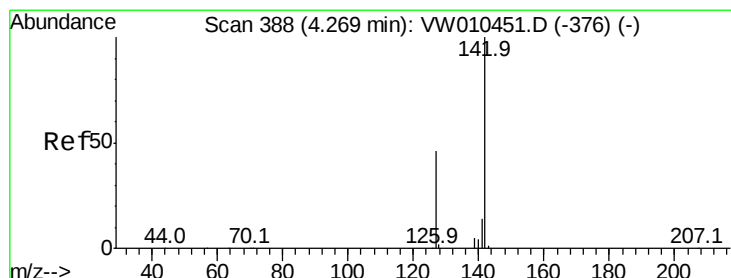
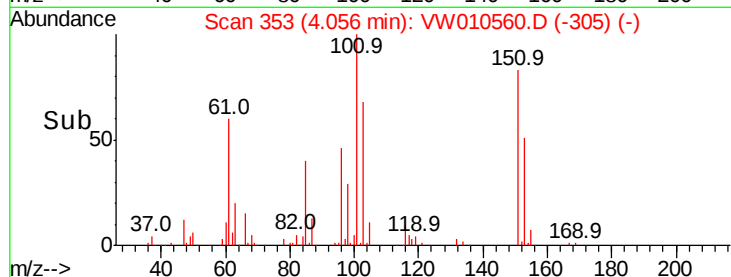
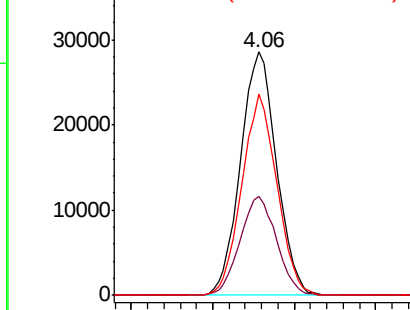
Tot Ion:	101	Resp:	87889
Ion Ratio	Lower	Upper	
101	100		
85	41.0	34.3	51.5
151	80.2	60.3	90.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.004 ug/l

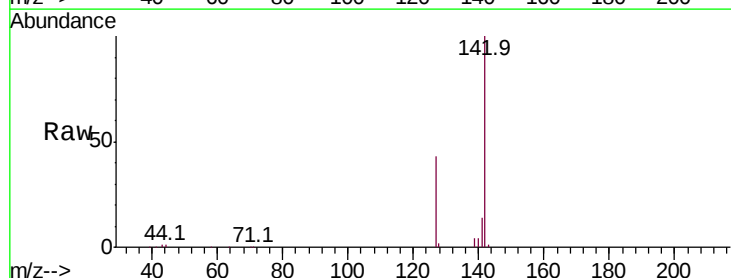
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

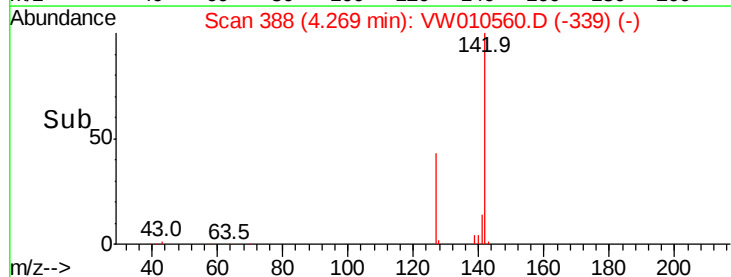
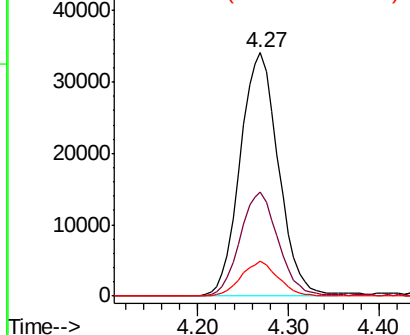
Lab File: VW010560.D

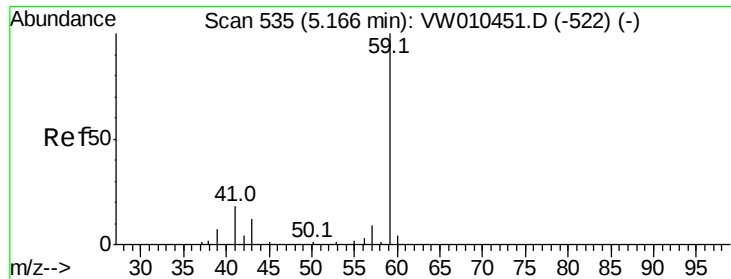
Acq: 28 May 2019 11:46

Tgt Ion:	142	Resp:	100170
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.1	54.1
141	13.8	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





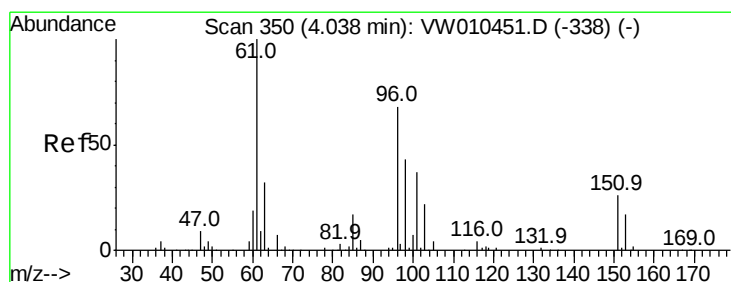
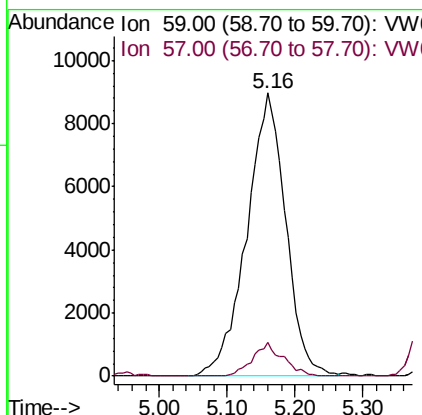
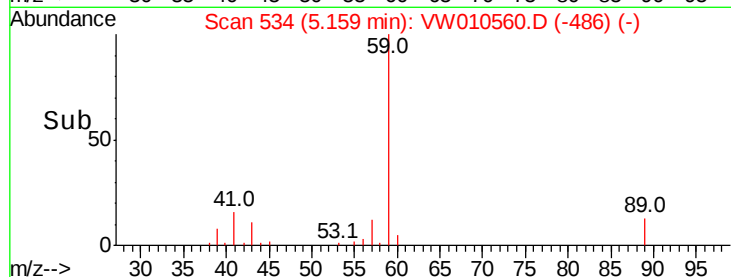
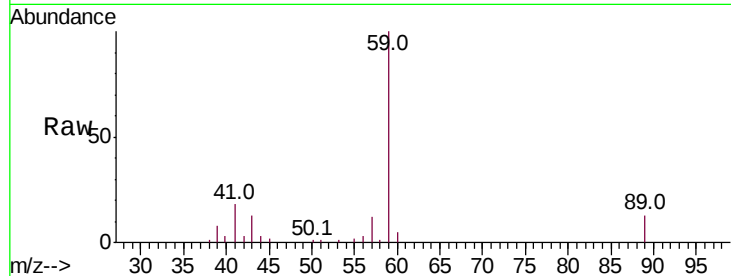
#11
Tert butyl alcohol
Concen: 243.958 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 35875
Ion Ratio Lower Upper
59 100
57 9.3 8.8 13.2

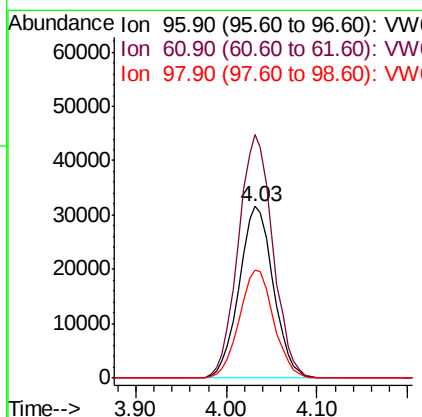
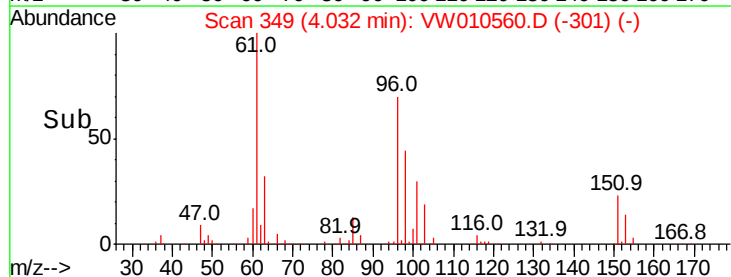
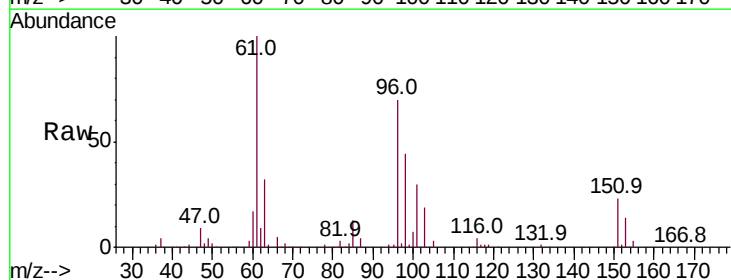
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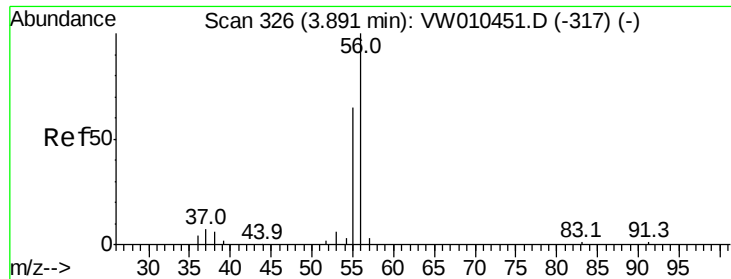
MMDadoda
5/29/2019 11:05:27 AM



#12
1,1-Dichloroethene
Concen: 49.367 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 96 Resp: 82592
Ion Ratio Lower Upper
96 100
61 142.0 118.3 177.5
98 63.0 51.0 76.6





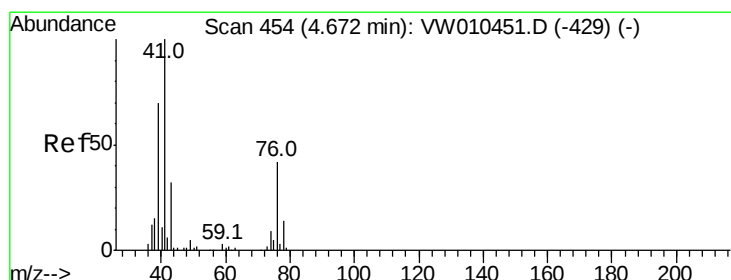
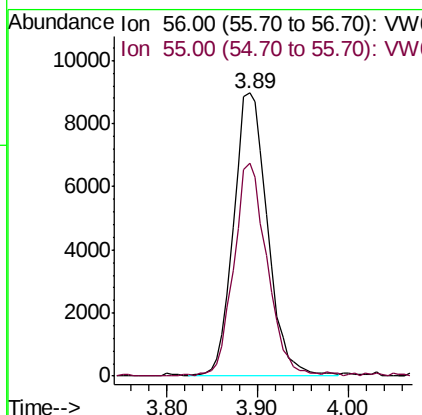
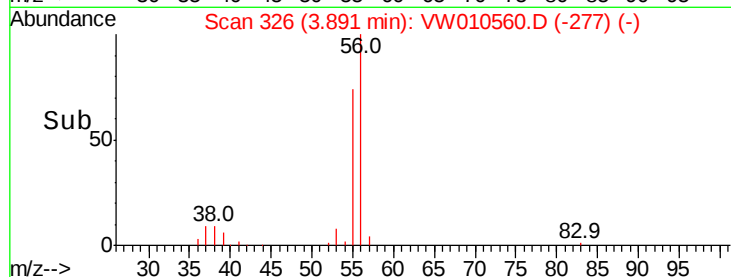
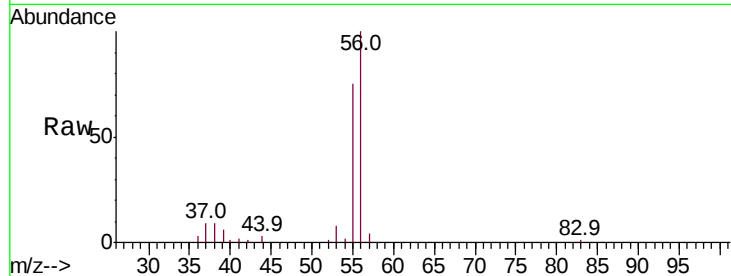
#13
Acrolein
Concen: 273.902 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	73.7	Resp	23287	Lower	57.9	Upper	86.9
Ion											

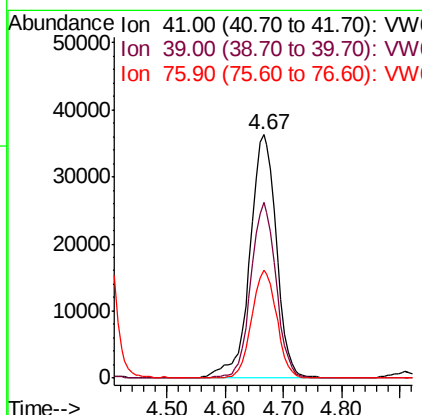
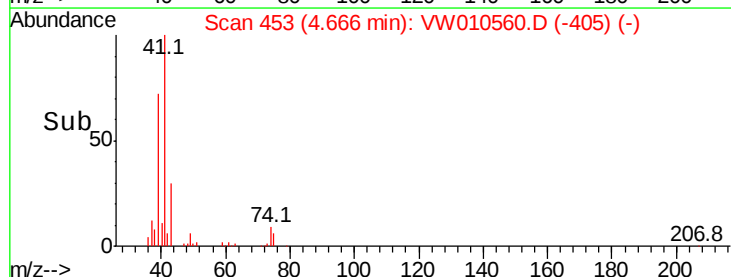
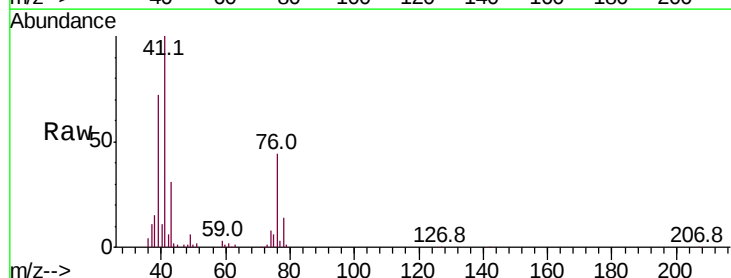
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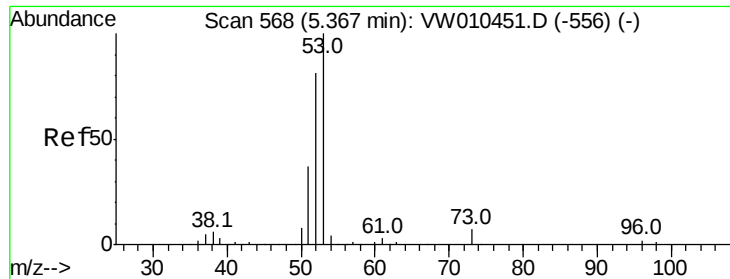
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#14
Allyl chloride
Concen: 47.305 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	41	39	76	Ratio	100	68.7	41.6	Resp	114558	Lower	55.0	Upper	82.4	49.2
Ion														





#15

Acrylonitrile

Concen: 218.789 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

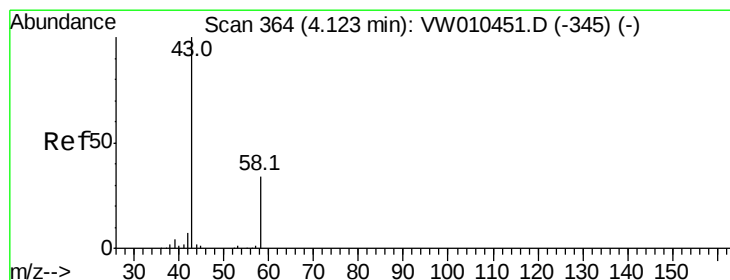
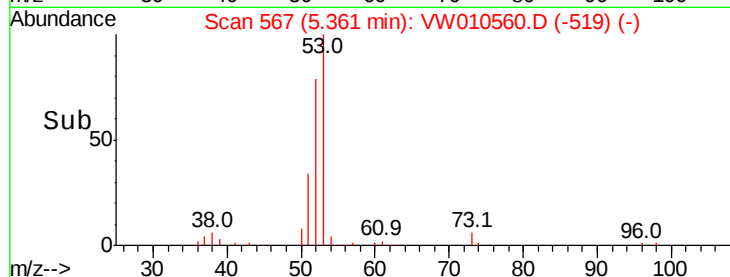
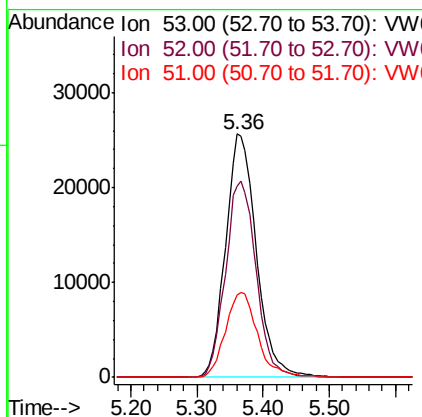
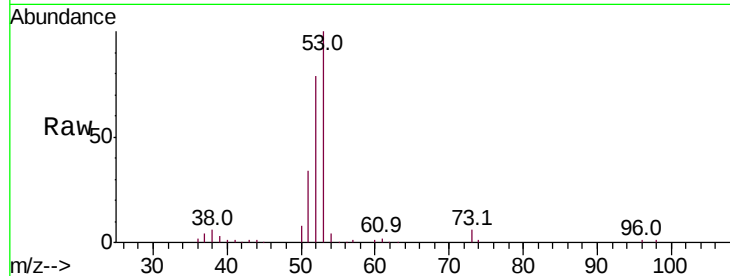
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	82661
Ion Ratio	Lower	Upper	
53	100		
52	80.0	65.6	98.4
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 262.455 ug/l

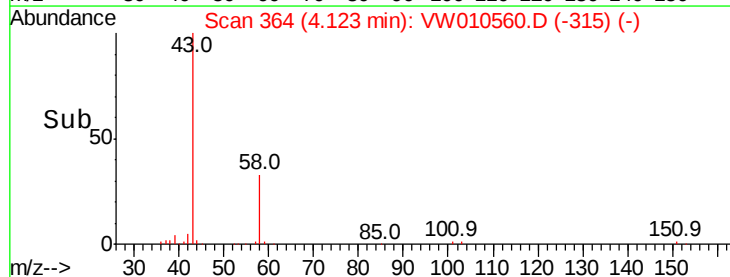
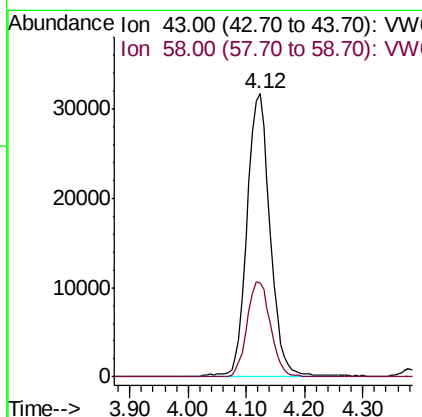
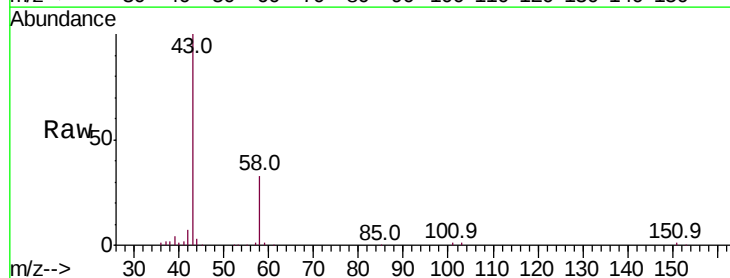
RT: 4.12 min Scan# 364

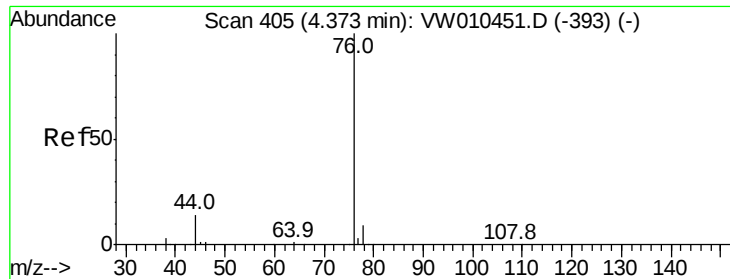
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion:	43	Resp:	87584
Ion Ratio	Lower	Upper	
43	100		
58	33.2	27.0	40.4





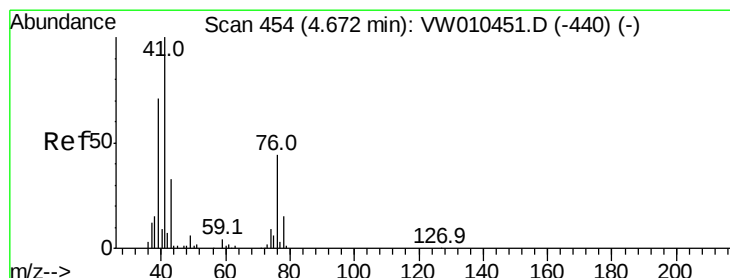
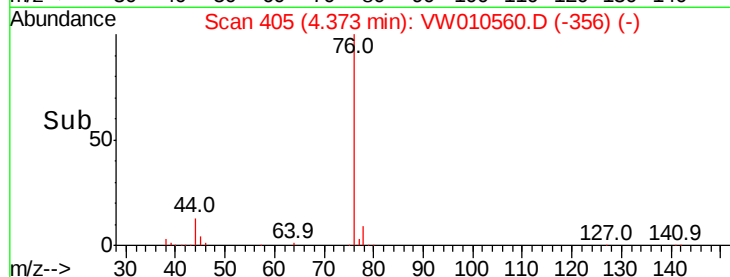
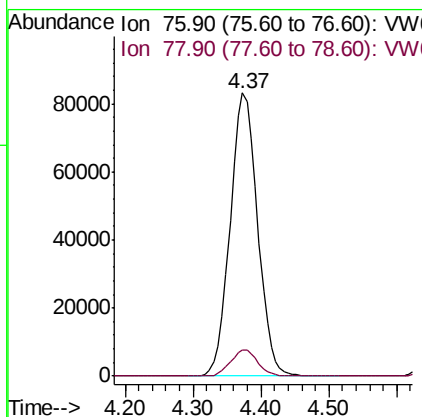
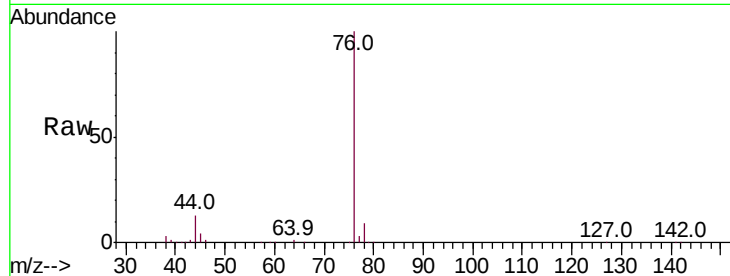
#17
Carbon Disulfide
Concen: 46.640 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

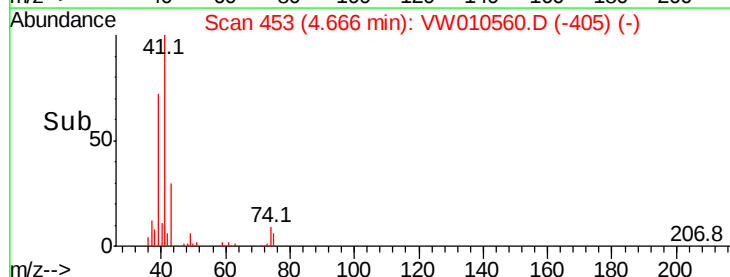
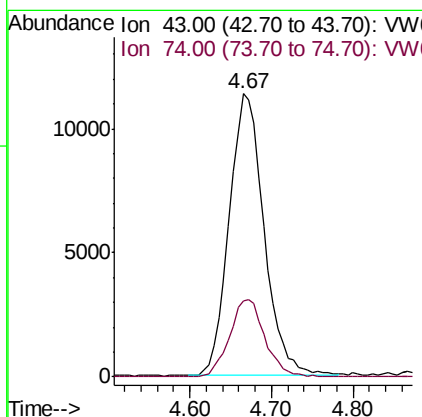
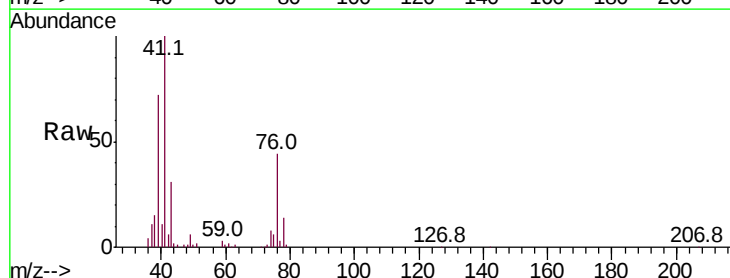
Manual Integrations
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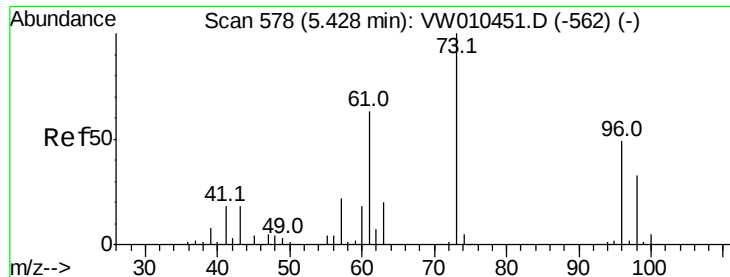
MMDadoda
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#18
Methyl Acetate
Concen: 40.970 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	21.6	32.4





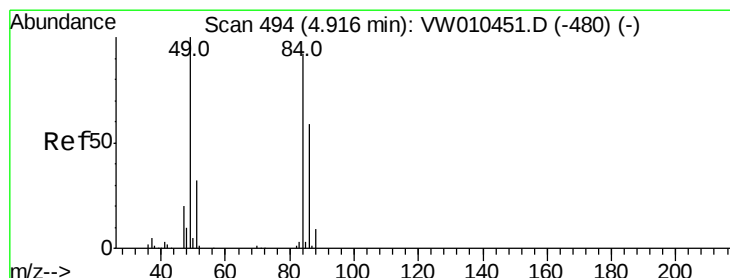
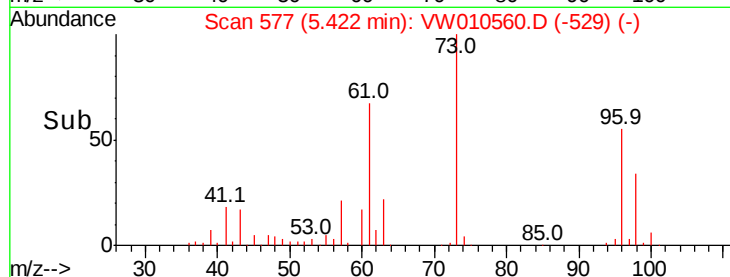
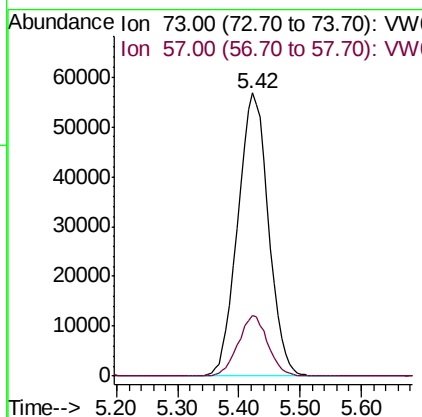
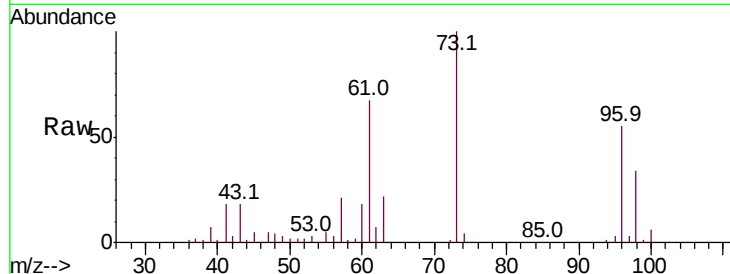
#19
Methvl tert-butvl Ether
Concen: 46.310 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 197514
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.0

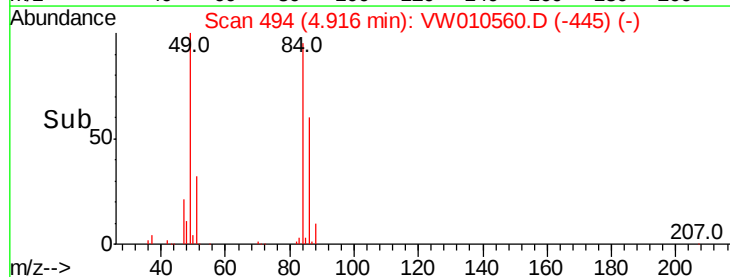
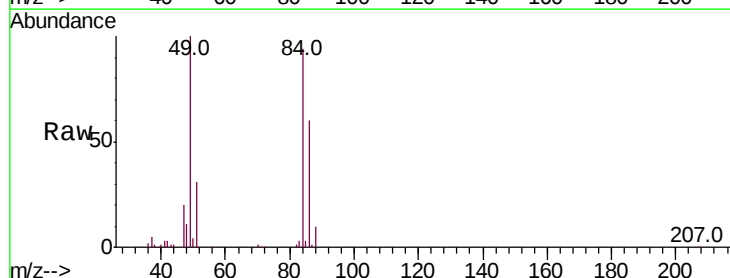
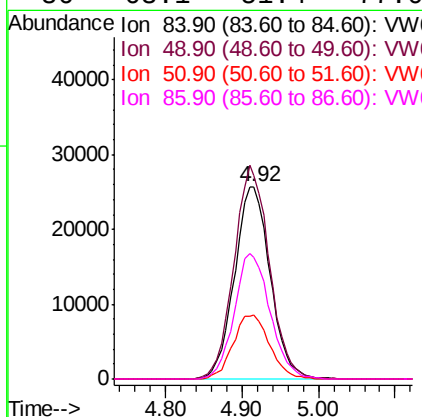
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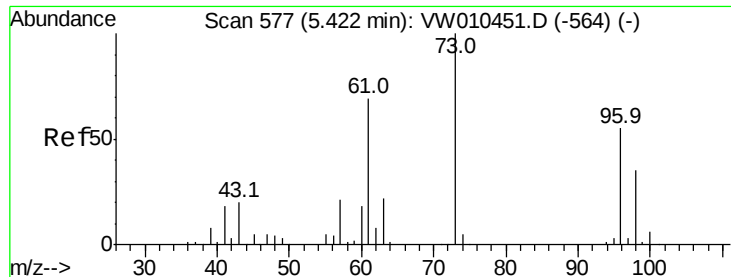
MMDadoda
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#20
Methylene Chloride
Concen: 41.710 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 84 Resp: 83317
Ion Ratio Lower Upper
84 100
49 105.9 87.2 130.8
51 33.3 27.7 41.5
86 63.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.756 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 96 Resp: 93562

Ion Ratio Lower Upper

96 100

61 122.5 101.4 152.0

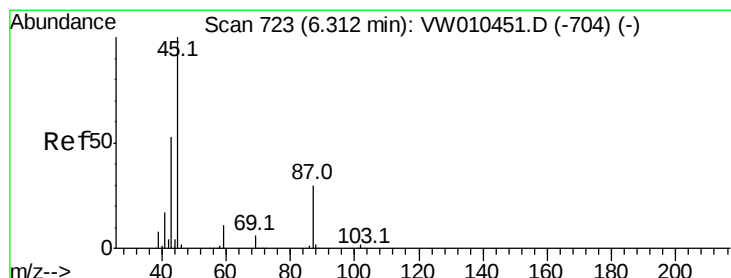
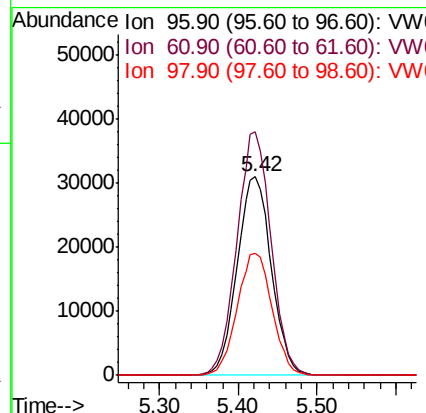
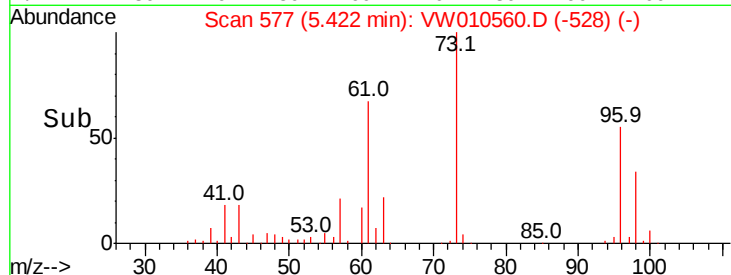
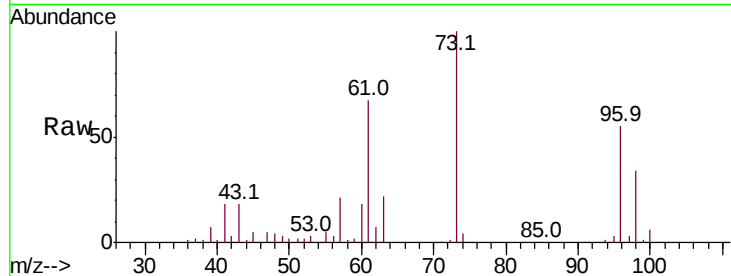
98 61.5 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 46.059 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion: 45 Resp: 228710

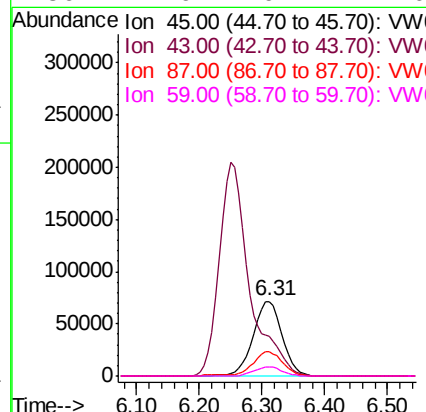
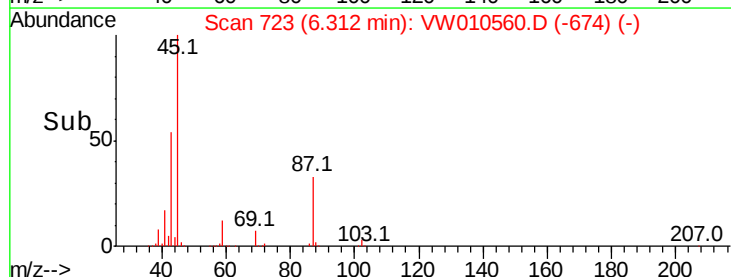
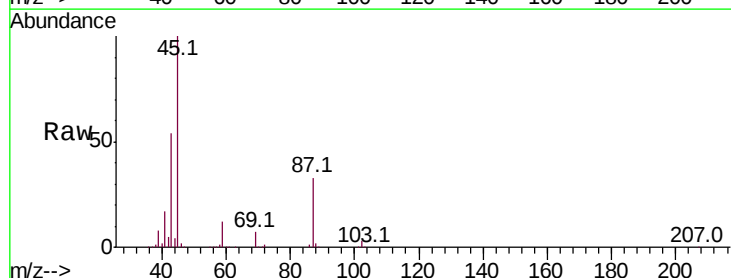
Ion Ratio Lower Upper

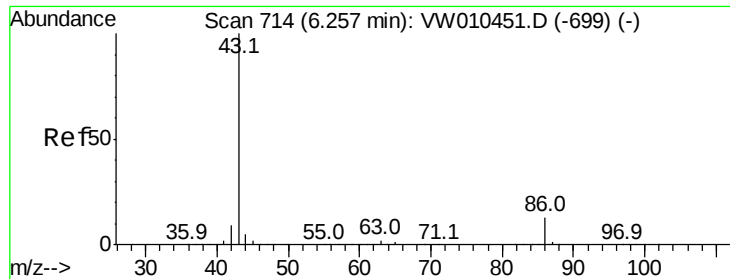
45 100

43 53.4 42.9 64.3

87 32.7 24.6 36.8

59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 229.988 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 682179

Ion Ratio Lower Upper

43 100

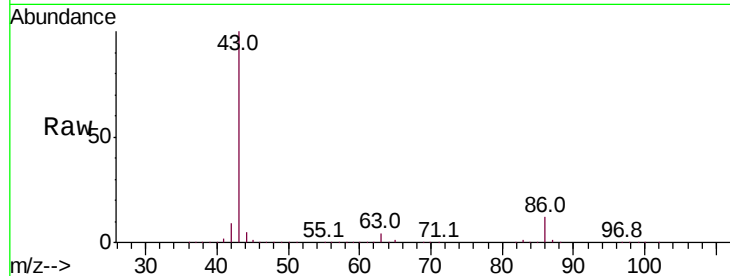
86 12.4 10.3 15.5

Manual Integrations

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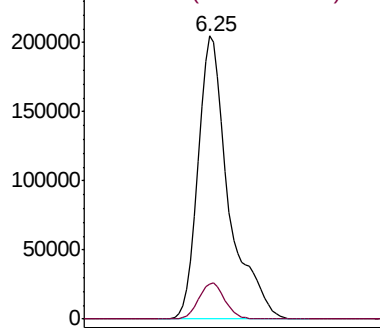
MMDadoda

5/29/2019 11:05:27 AM

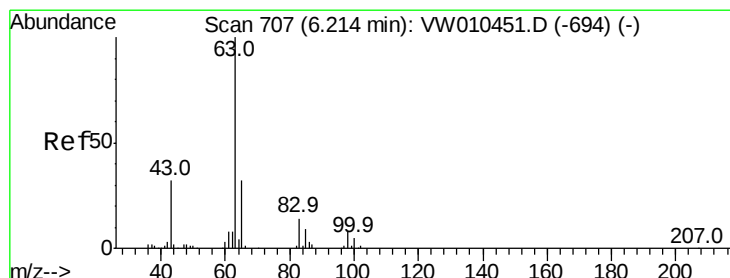
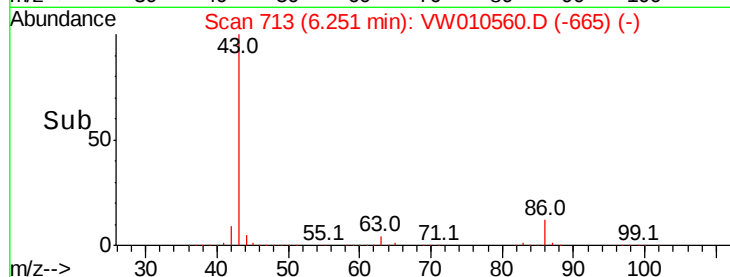


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 48.287 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

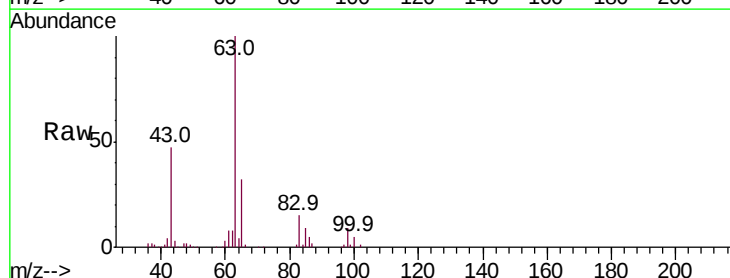
Tgt Ion: 63 Resp: 143086

Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.2

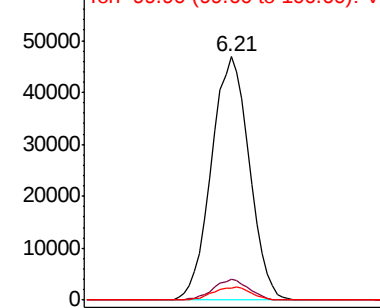
100 5.1 2.5 7.4



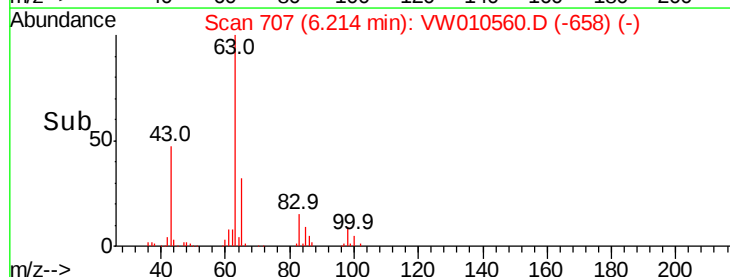
Abundance Ion 62.90 (62.60 to 63.60): VW

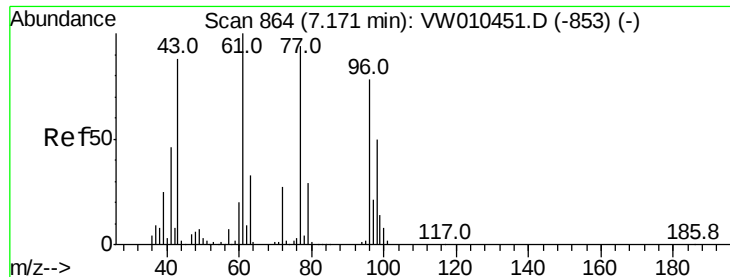
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 239.485 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 114371

Ion Ratio Lower Upper

43 100

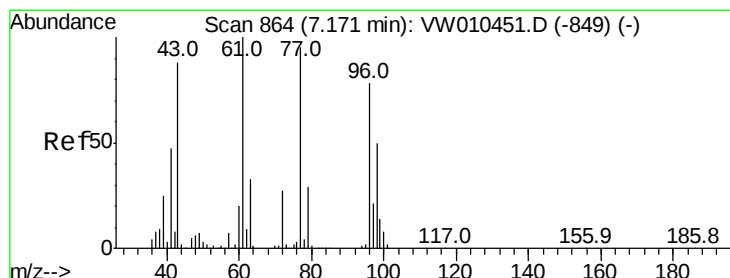
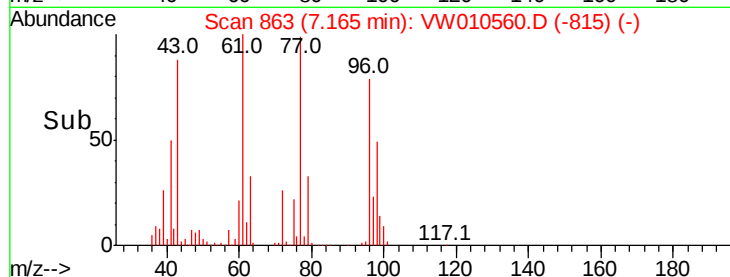
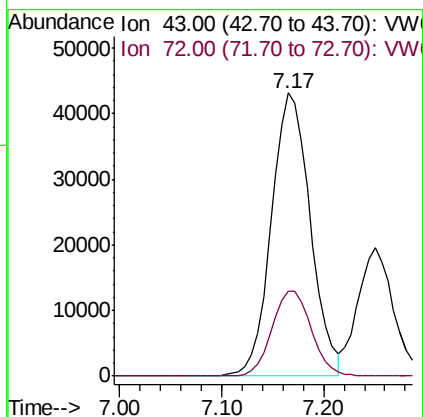
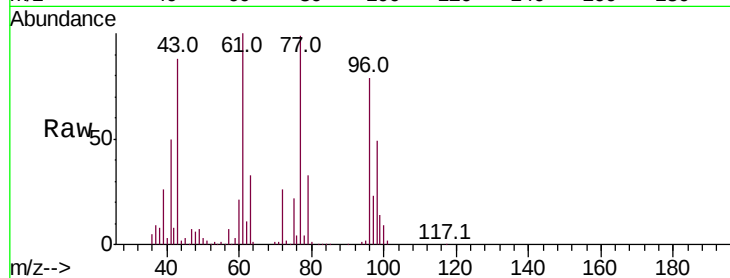
72 30.2 24.1 36.1

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5/29/2019 11:05:27 AM



#26

2,2-Dichloropropane

Concen: 51.483 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010560.D

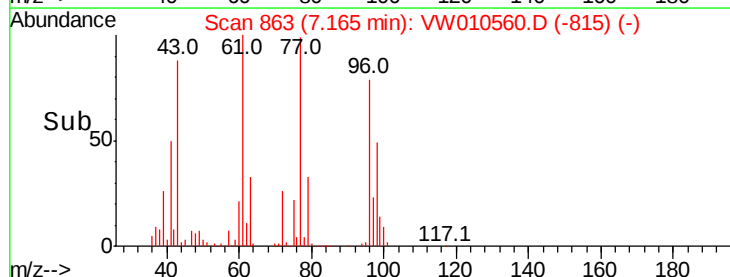
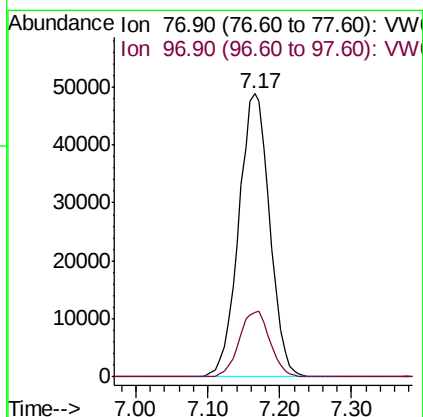
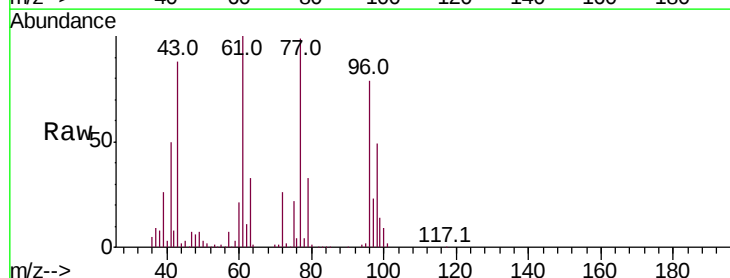
Acq: 28 May 2019 11:46

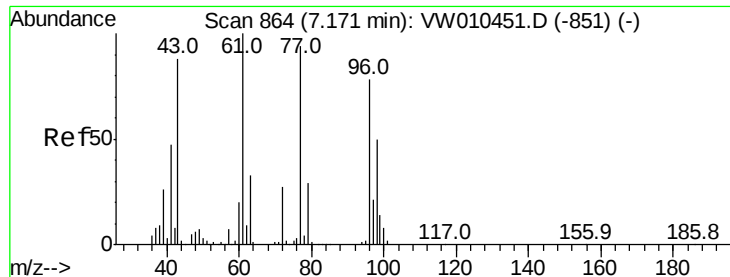
Tgt Ion: 77 Resp: 145318

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

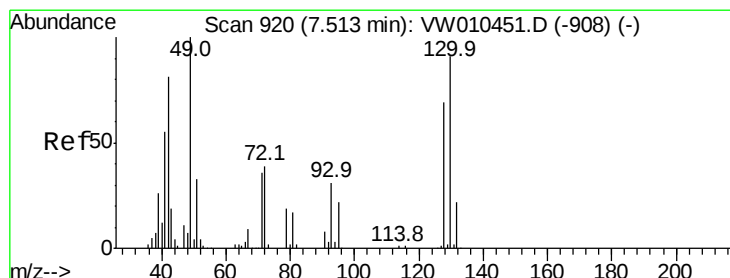
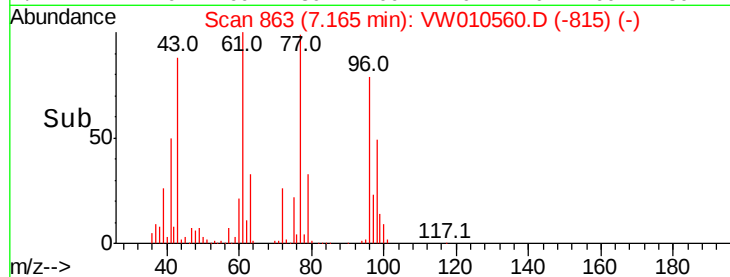
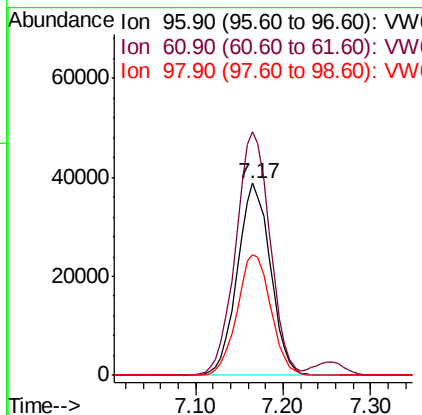
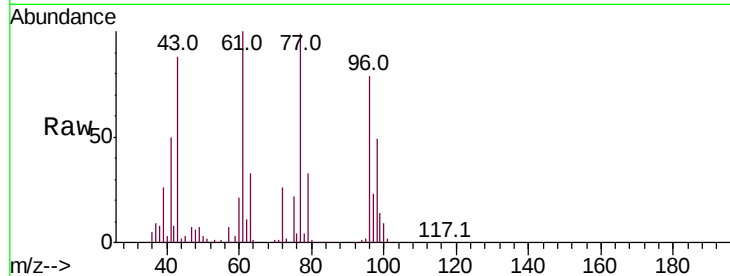
cis-1,2-Dichloroethene
Concen: 48.931 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.2	0.0	265.4	
98	63.7	0.0	129.4	

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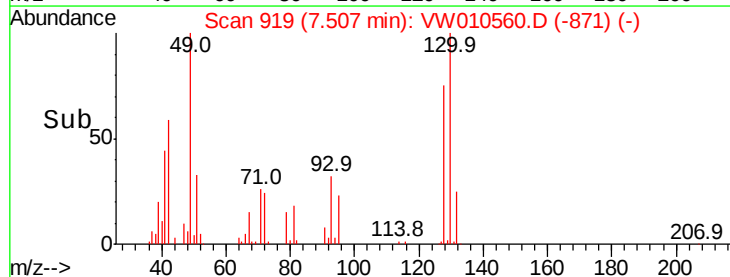
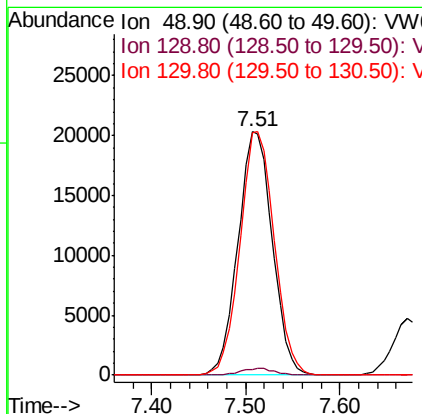
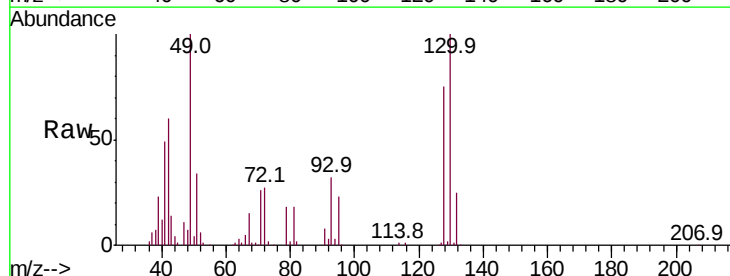
MMDadoda
5/29/2019 11:05:27 AM

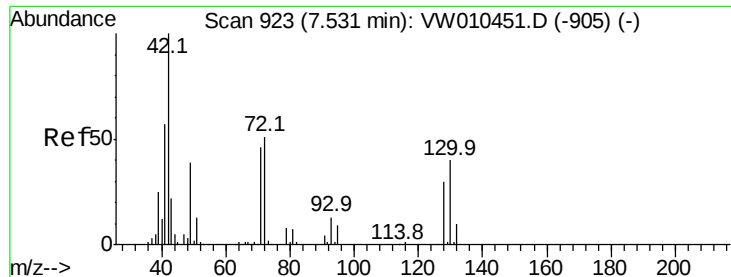


#28

Bromochloromethane
Concen: 48.765 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.8	
130	100.2	71.2	106.8	





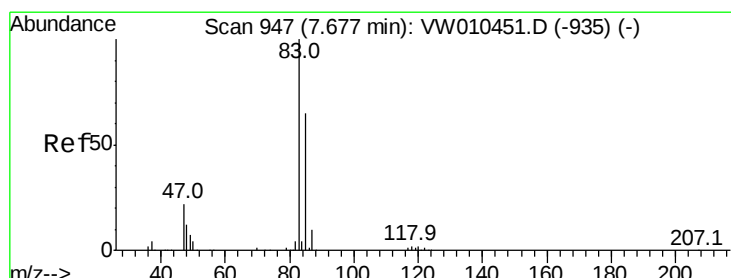
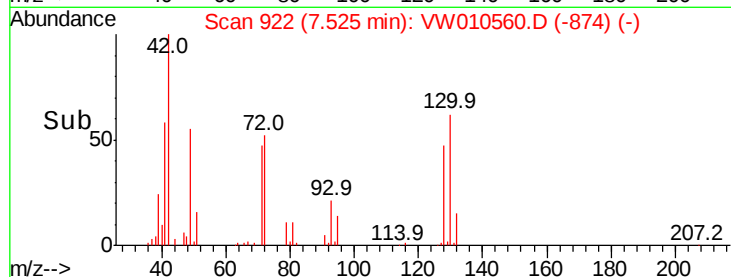
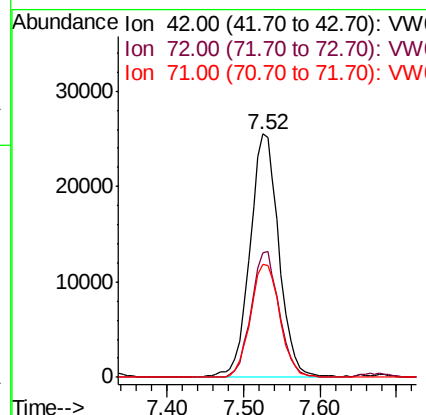
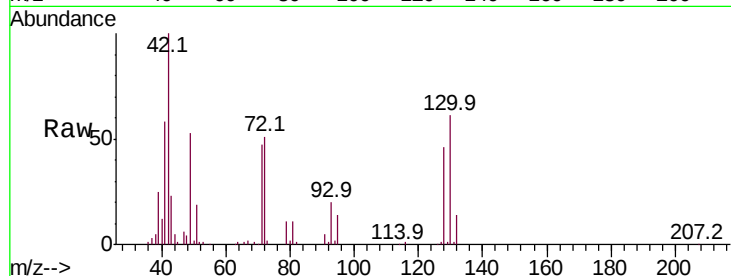
#29
Tetrahydrofuran
Concen: 208.222 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	67289
Ion	Ratio	Lower	Upper
42	100		
72	50.2	38.5	57.7
71	47.1	36.5	54.7

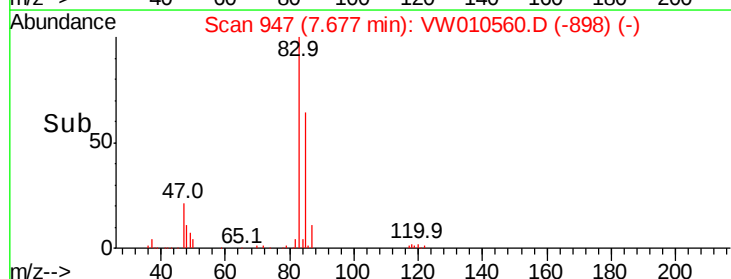
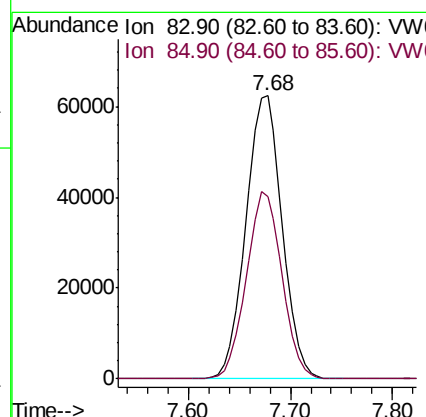
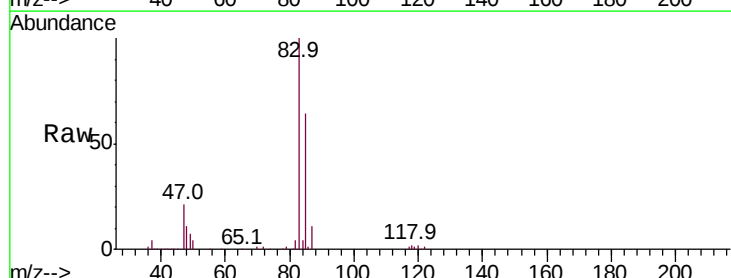
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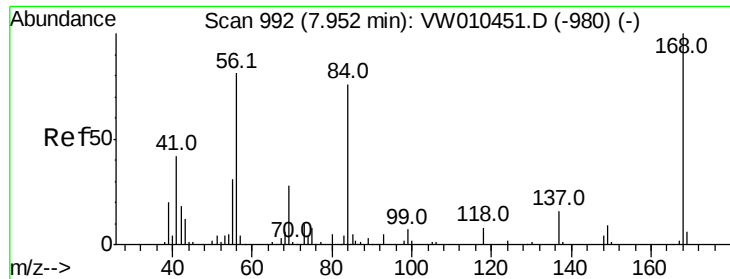
MMDadoda
5/29/2019 11:05:27 AM



#30
Chloroform
Concen: 48.262 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:	83	Resp:	154257
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4





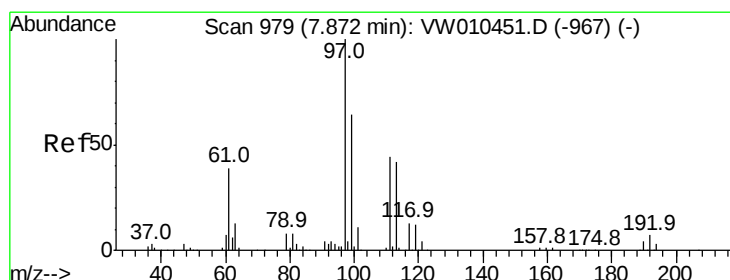
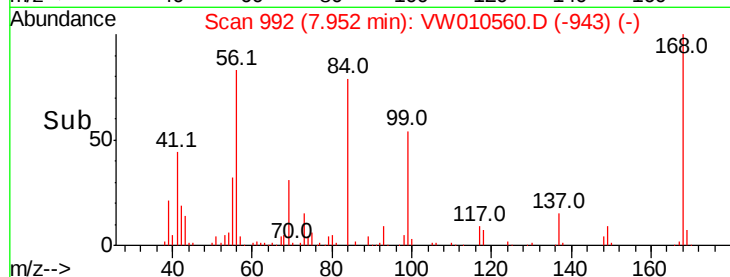
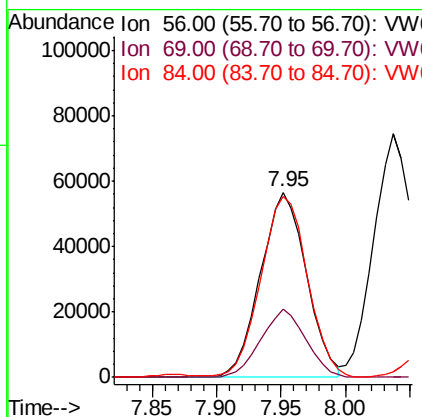
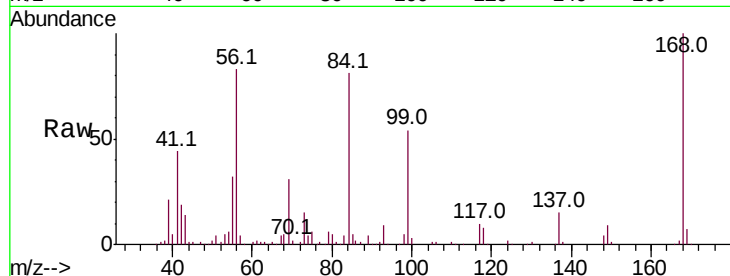
#31
Cyclohexane
Concen: 45.114 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	28.2	42.2
84	96.5	75.8	113.8

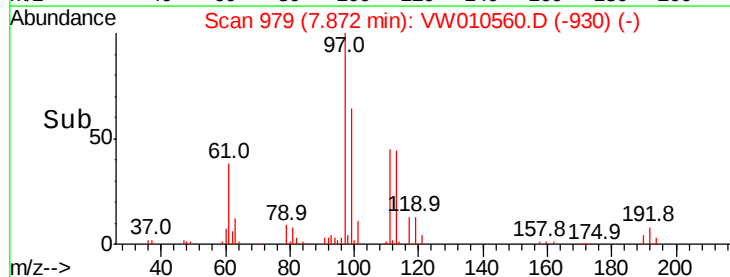
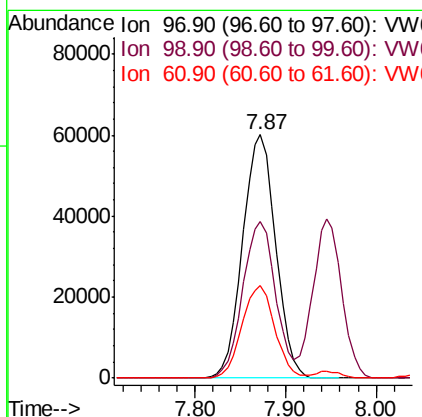
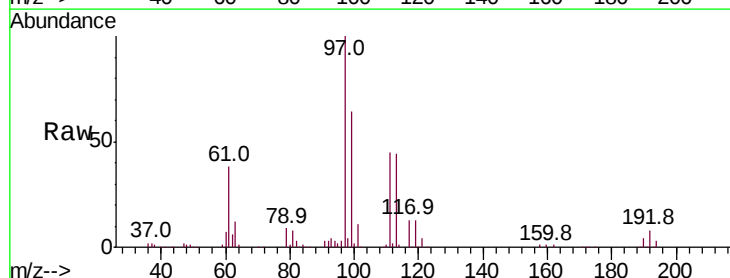
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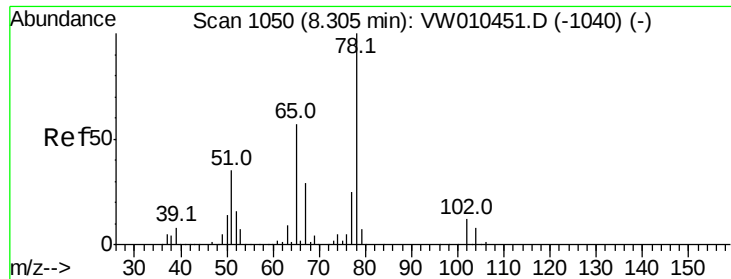
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#32
1,1,1-Trichloroethane
Concen: 49.713 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	37.9	32.1	48.1





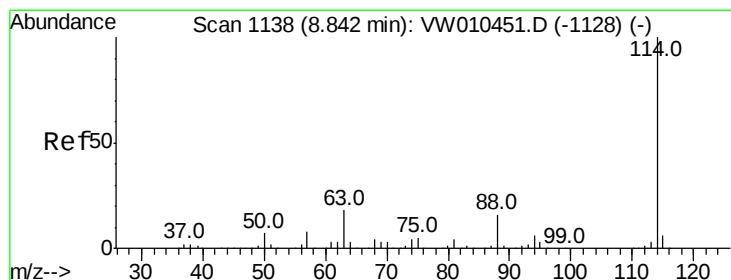
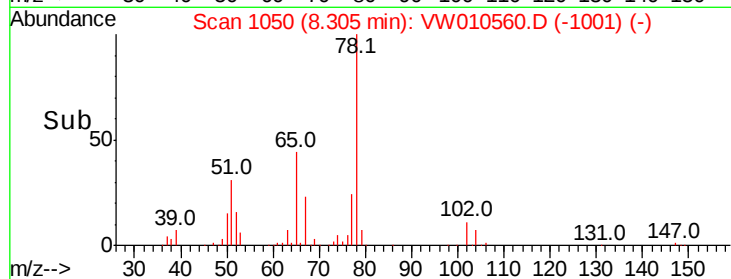
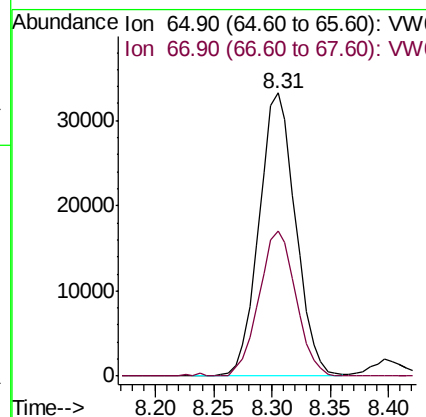
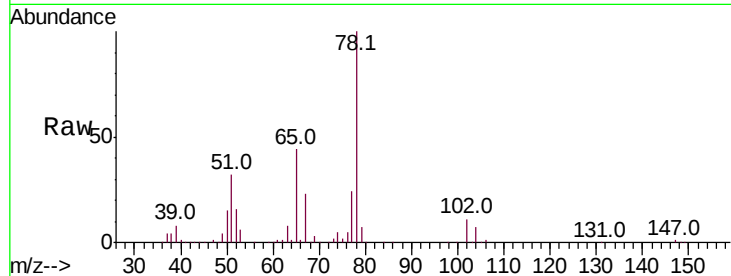
#33
 1,2-Dichloroethane-d4
 Concen: 44.268 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.6

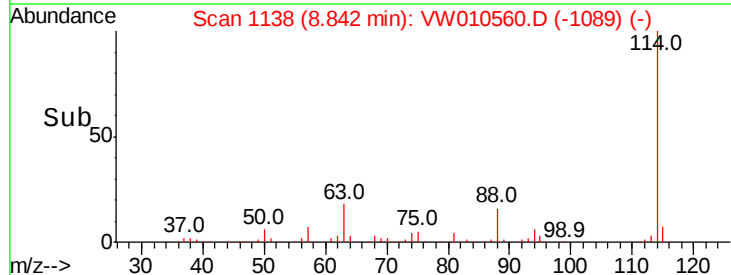
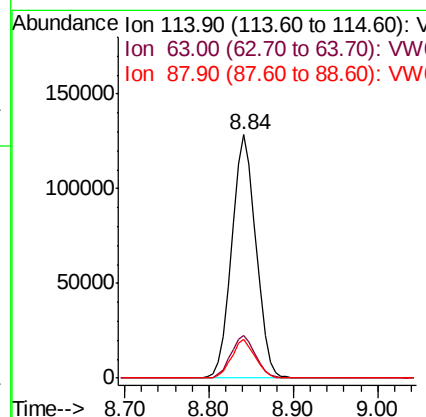
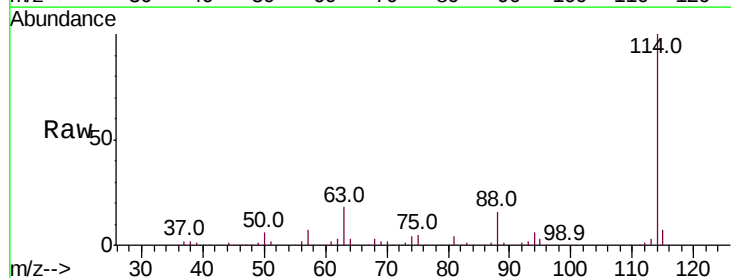
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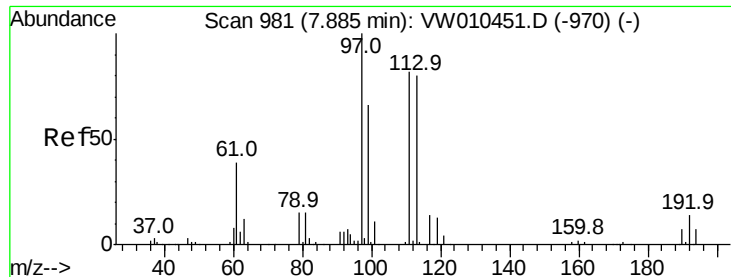
MMDadoda
 5/29/2019 11:05:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	36.0
88	15.8	0.0	32.0





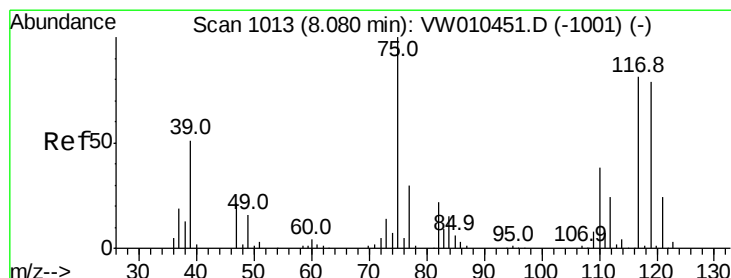
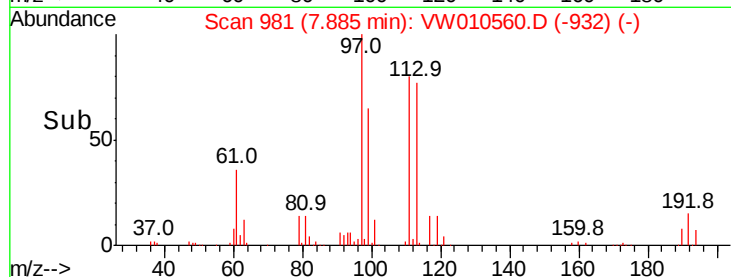
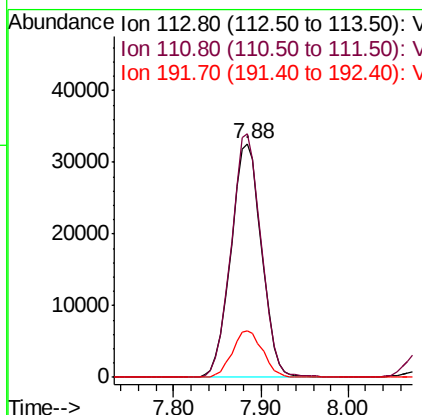
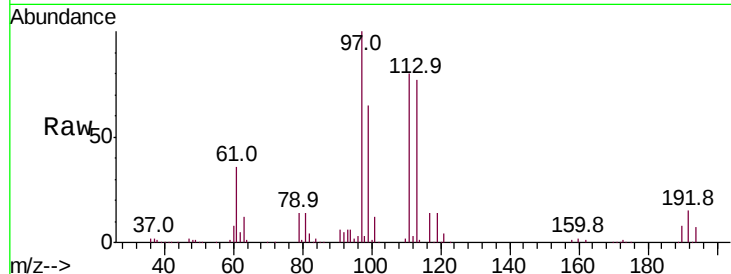
#35
 Dibromofluoromethane
 Concen: 52.062 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	79211		
111	102.4	82.2	123.4	
192	19.8	14.3	21.5	

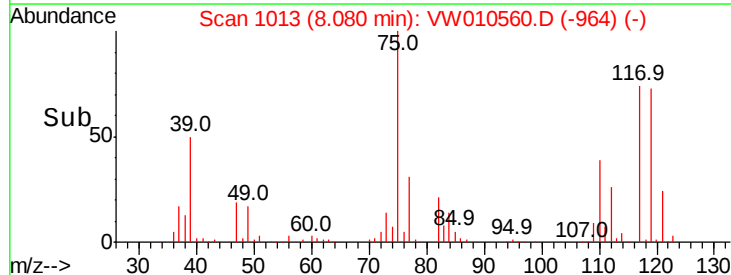
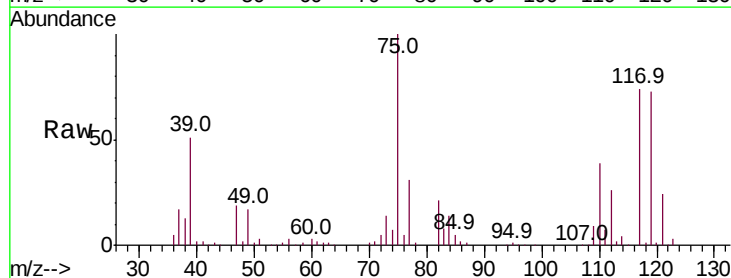
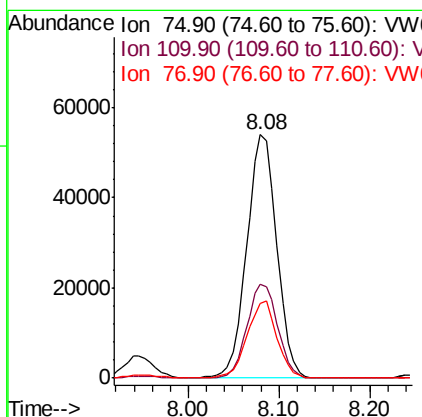
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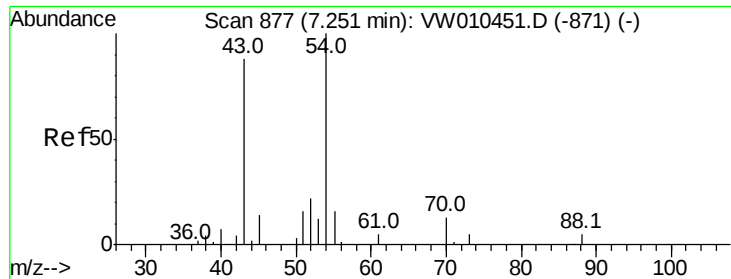
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#36
 1,1-Dichloropropene
 Concen: 52.973 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123735		
110	39.3	19.2	57.6	
77	31.3	25.2	37.8	





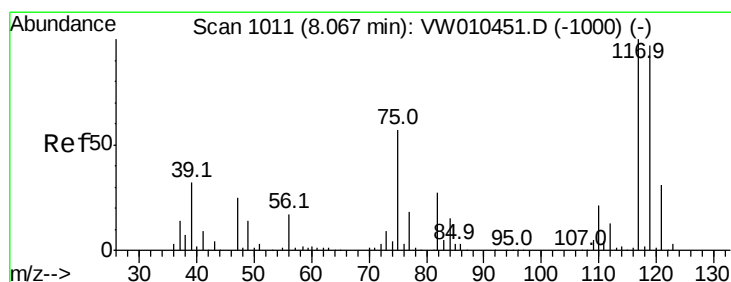
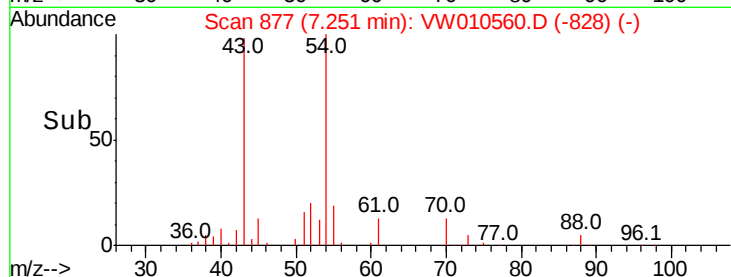
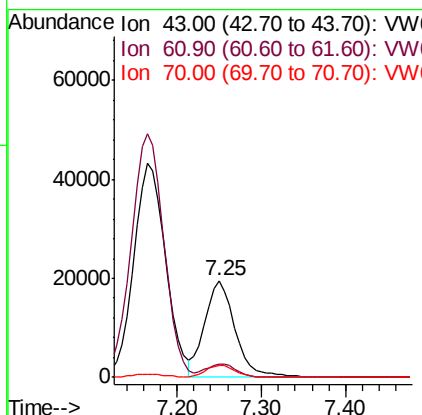
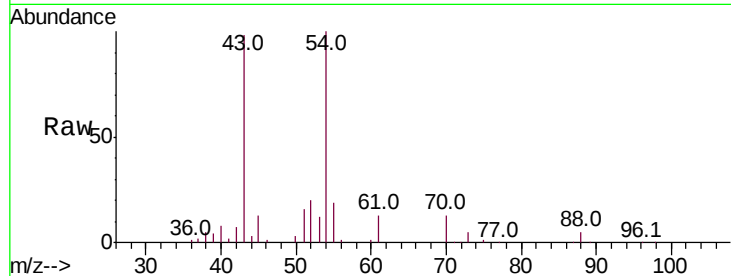
#37
Ethyl Acetate
Concen: 49.286 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	12.8	9.9	14.9

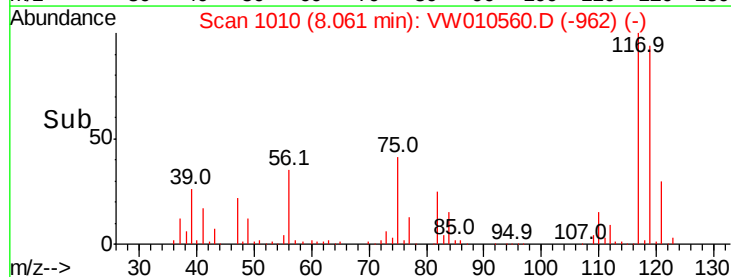
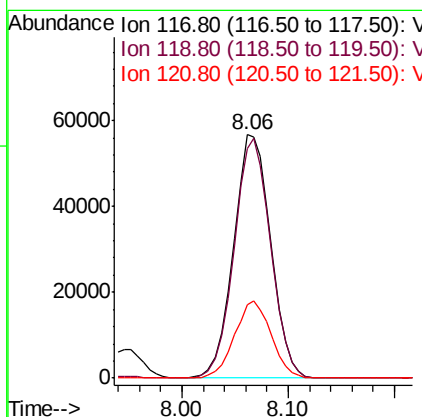
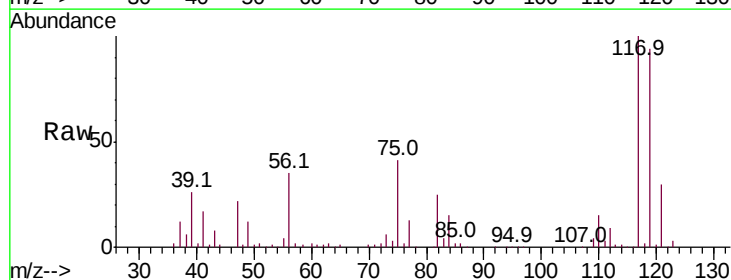
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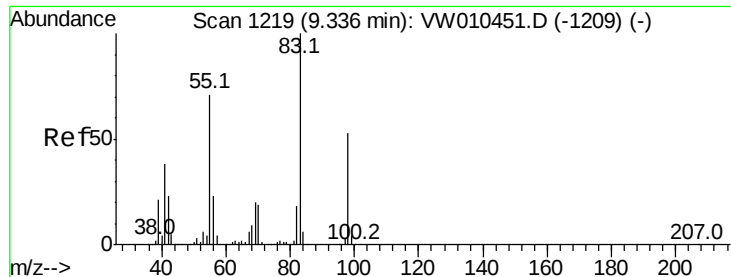
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#38
Carbon Tetrachloride
Concen: 55.121 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.4	116.0
121	30.0	25.0	37.6





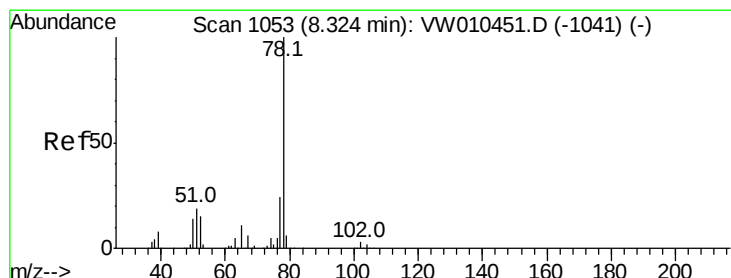
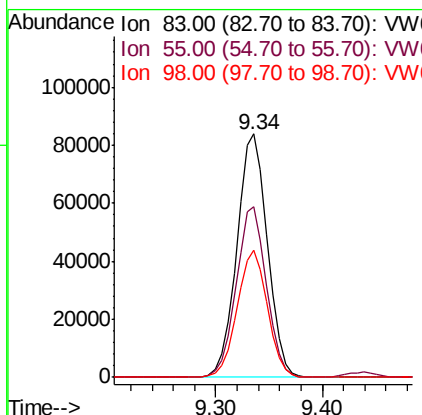
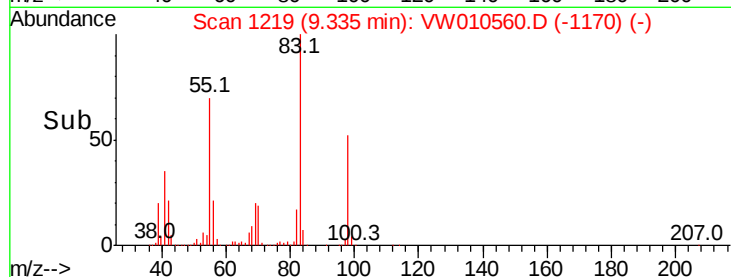
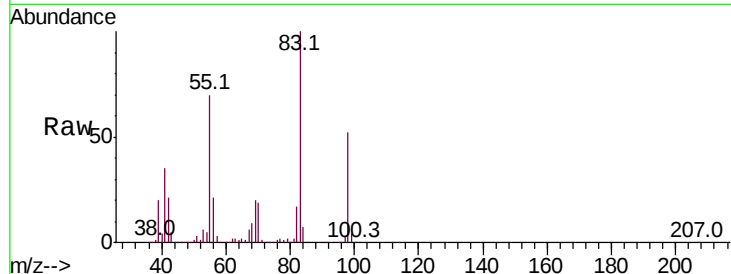
#39
Methvlcvclohexane
Concen: 53.888 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168641		
55	69.9		57.0	85.6
98	52.2		42.0	63.0

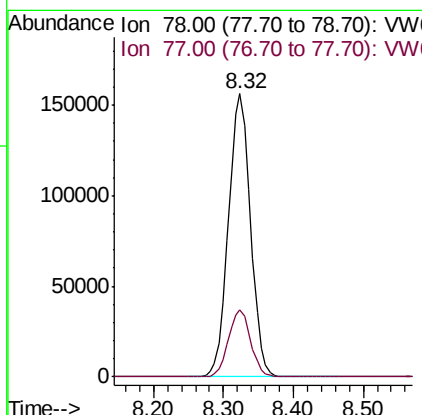
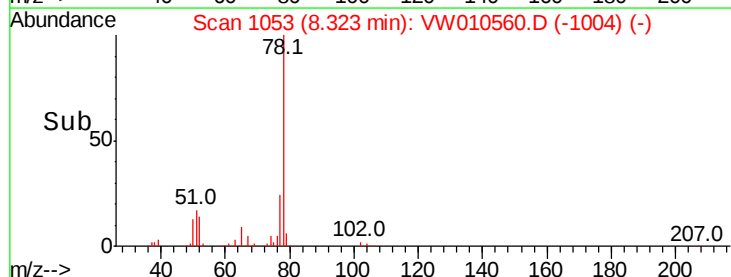
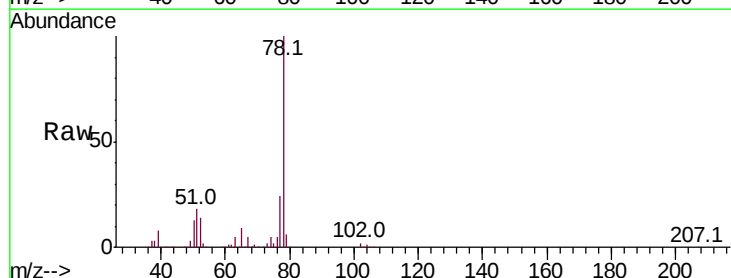
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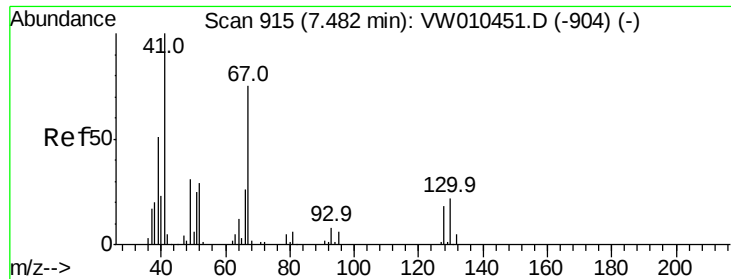
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#40
Benzene
Concen: 52.626 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	341663		
77	23.8		18.9	28.3





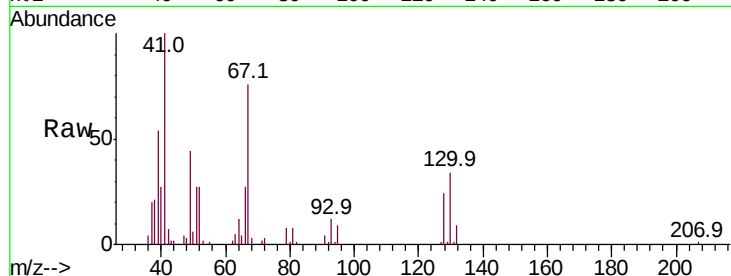
#41
Methacrylonitrile
Concen: 47.181 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

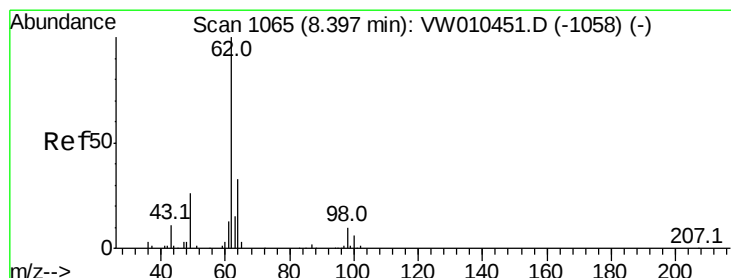
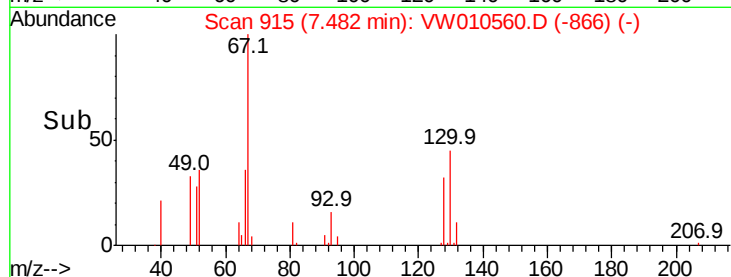
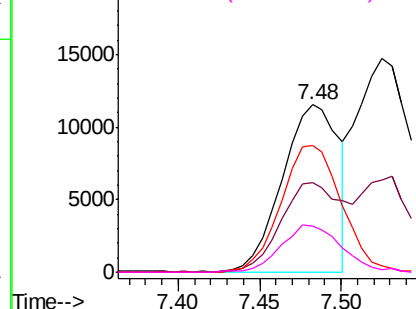
Tot Ion	Ratio	Lower	Upper
41	100		
39	60.3	47.4	71.2
67	80.6	65.5	98.3
52	30.3	25.0	37.4

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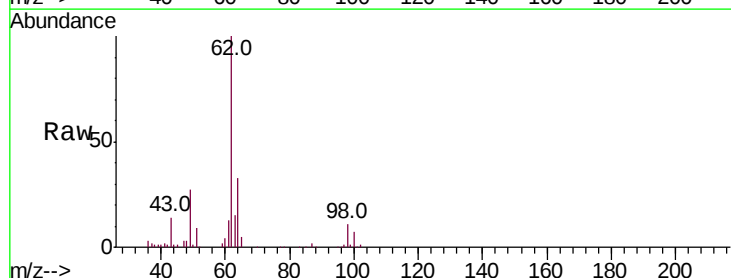


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

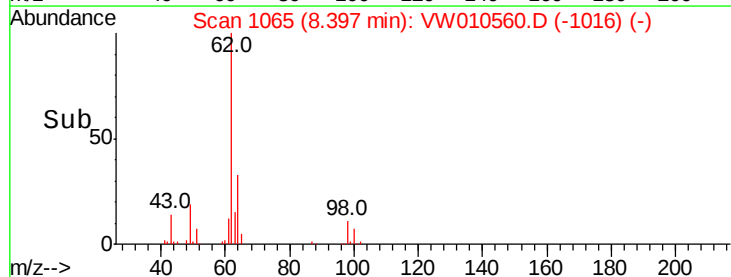
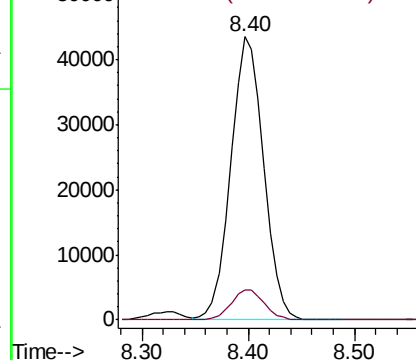


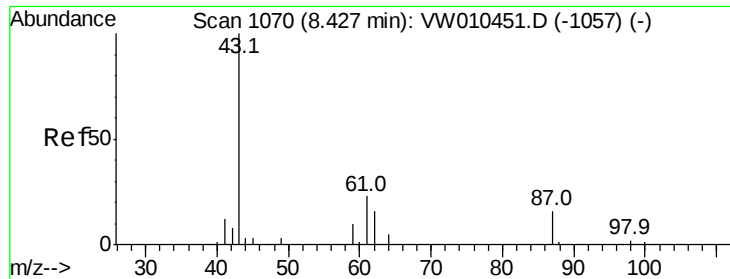
#42
1,2-Dichloroethane
Concen: 50.663 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.450 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

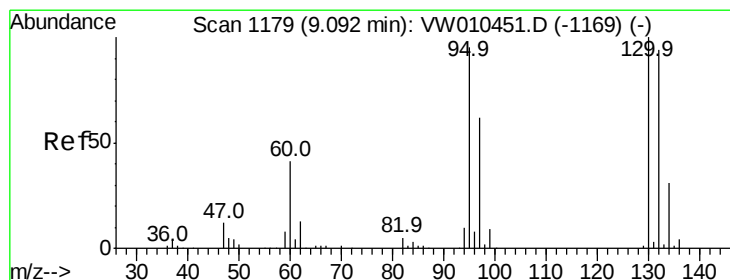
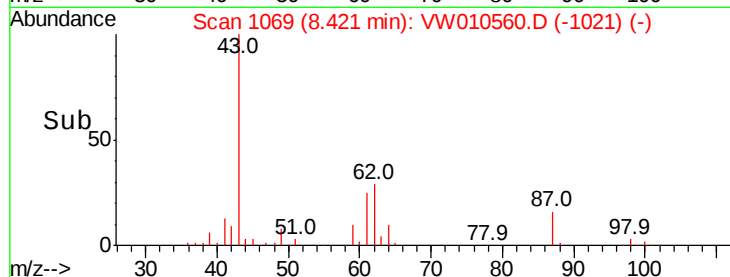
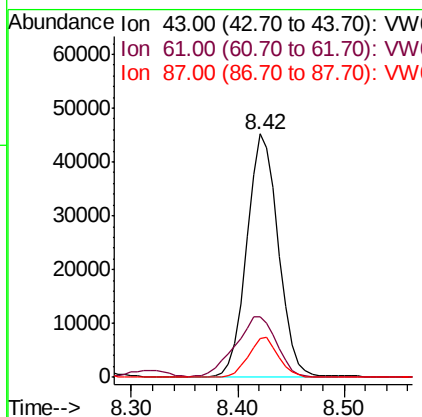
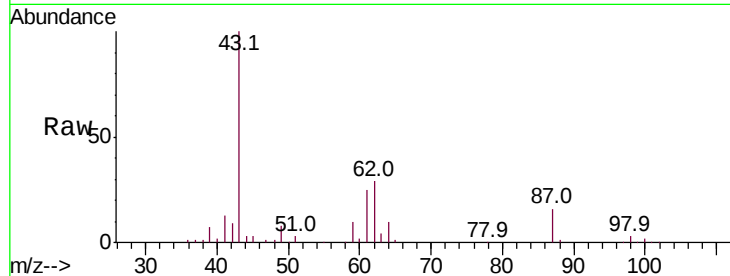
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	94161
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.4	38.2
87	15.8	12.7	19.1

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#44

Trichloroethene

Concen: 56.048 ug/l

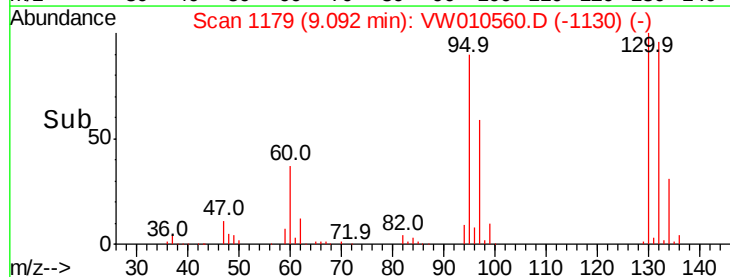
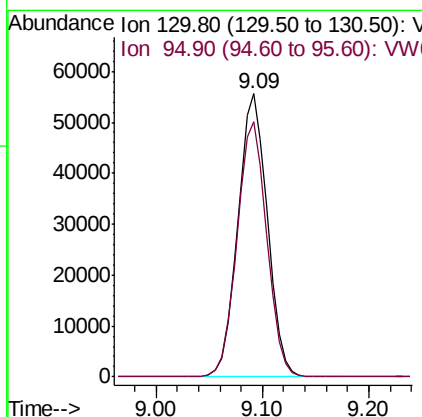
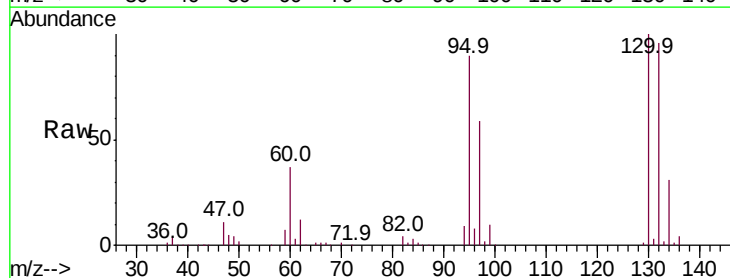
RT: 9.09 min Scan# 1179

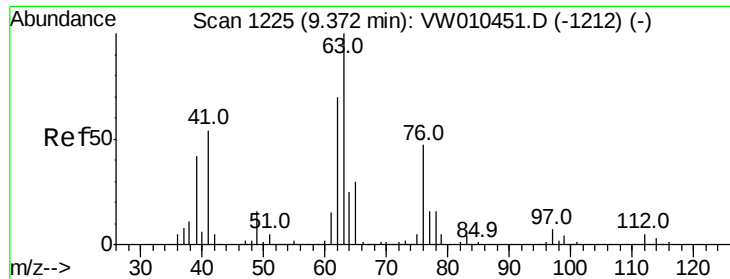
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion:	130	Resp:	108029
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	189.6





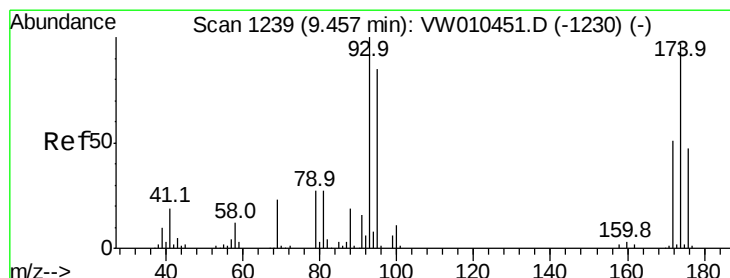
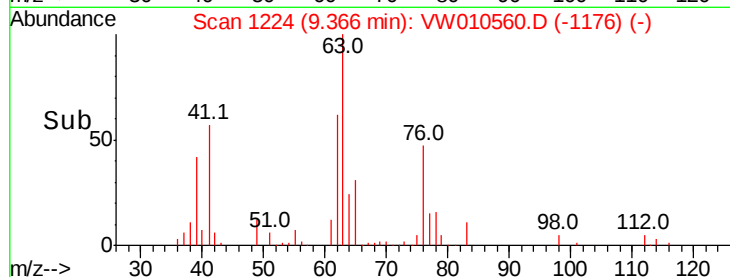
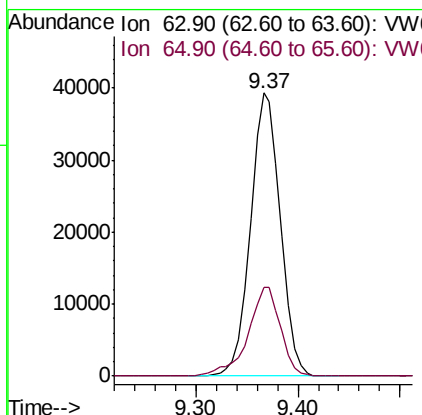
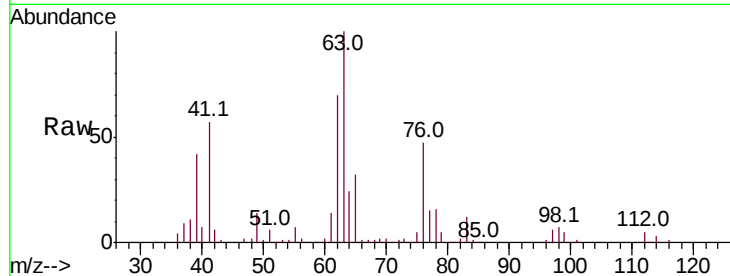
#45
 1,2-Dichloropropane
 Concen: 51.946 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 80097
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.3 36.5

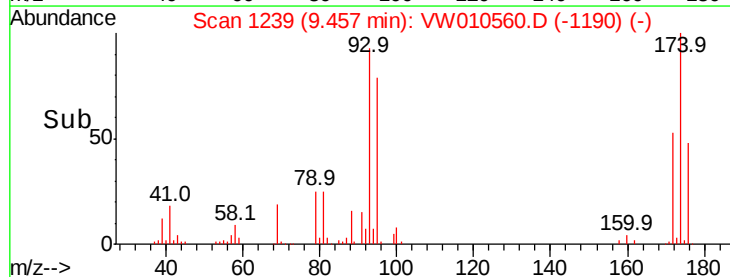
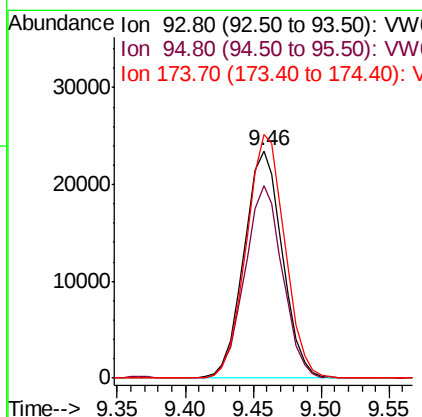
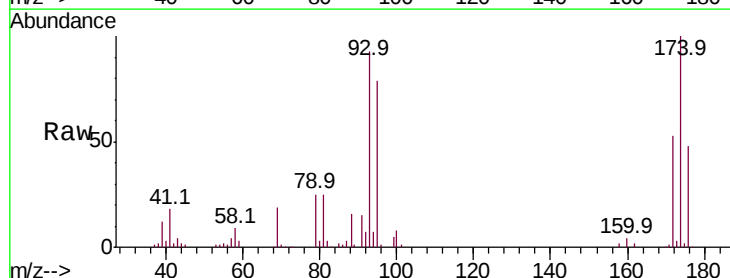
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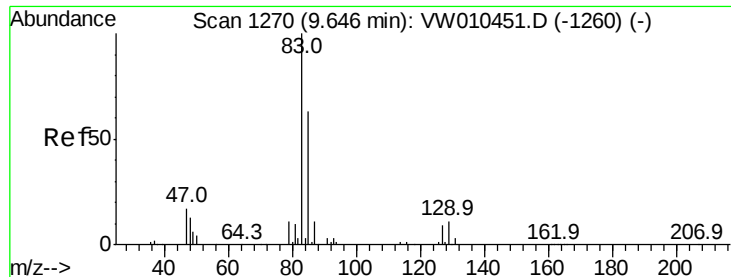
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#46
 Dibromomethane
 Concen: 51.274 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 93 Resp: 46236
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.1 99.1
 174 108.1 77.1 115.7





#47

Bromodichloromethane

Concen: 52.239 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

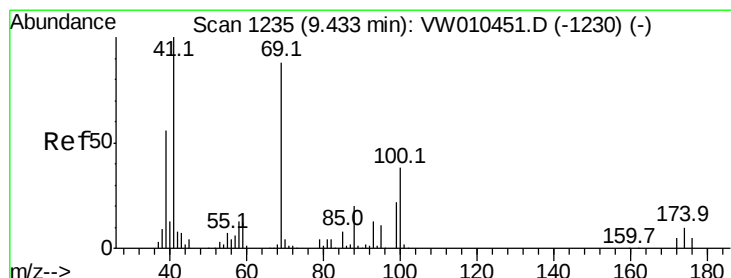
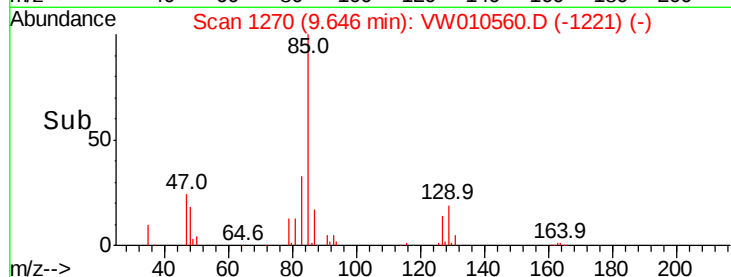
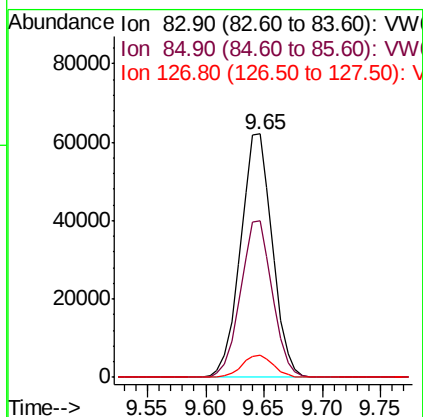
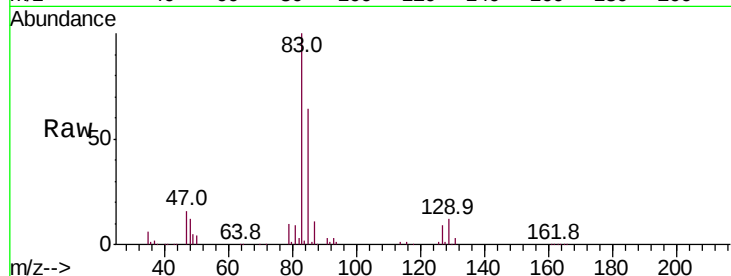
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	118376
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.4	75.6
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 50.130 ug/l

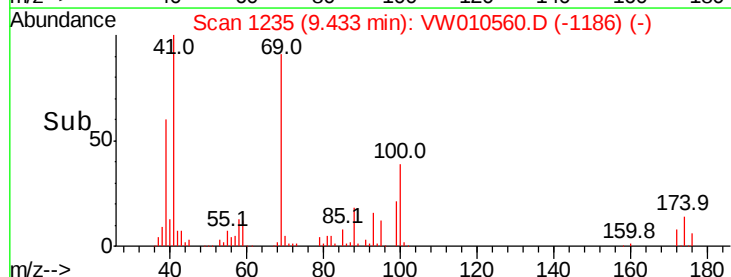
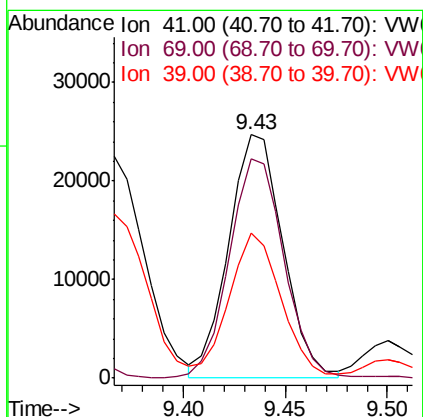
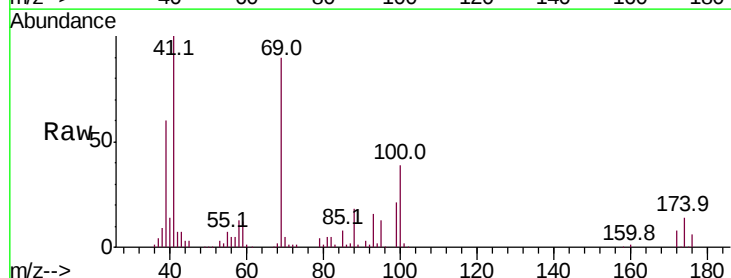
RT: 9.43 min Scan# 1235

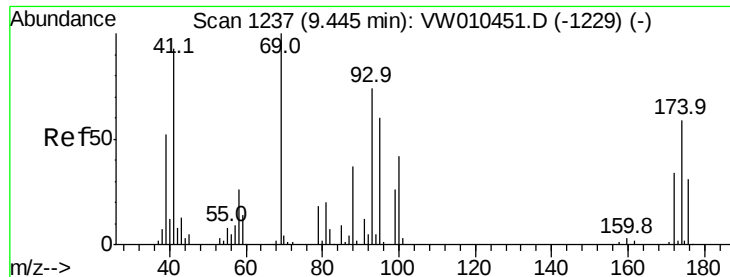
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion:	41	Resp:	45510
Ion	Ratio	Lower	Upper
41	100		
69	91.7	77.6	116.4
39	54.2	49.8	74.8





#49

1,4-Dioxane

Concen: 904.380 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 13322

Ion Ratio Lower Upper

88 100

43 27.9 25.9 38.9

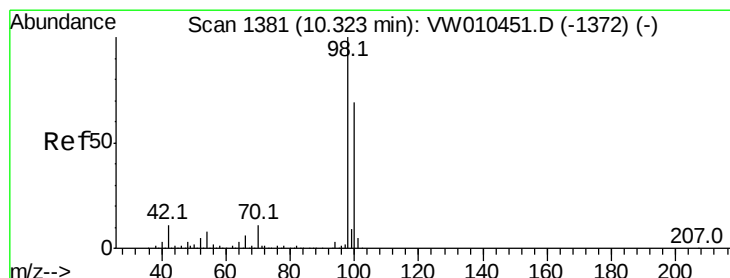
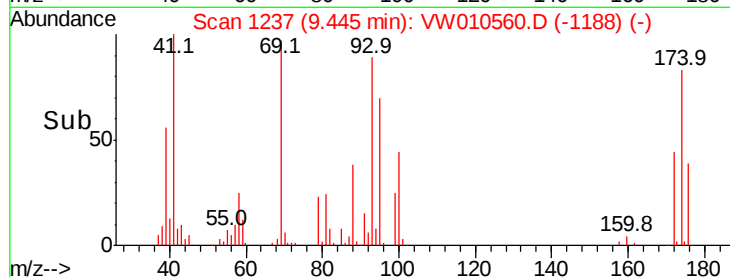
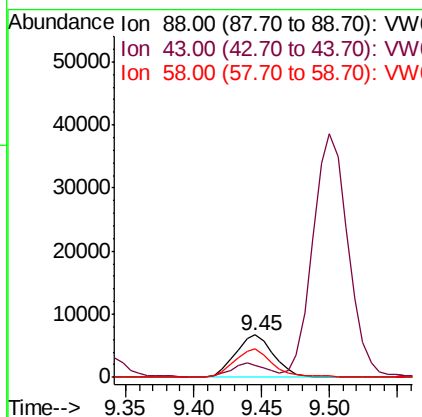
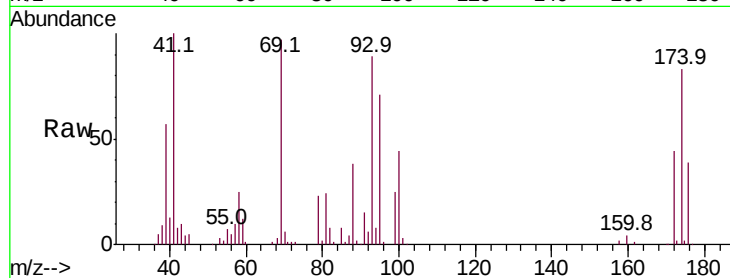
58 64.7 52.7 79.1

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5/29/2019 11:05:27 AM



#50

Toluene-d8

Concen: 50.821 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010560.D

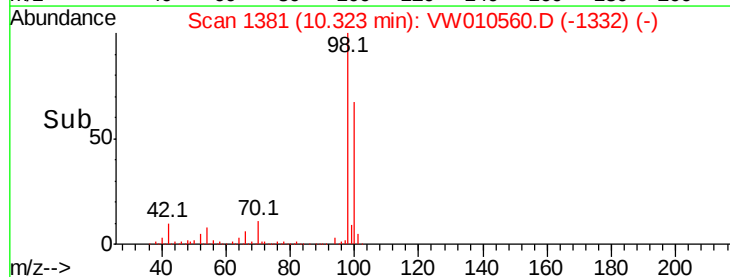
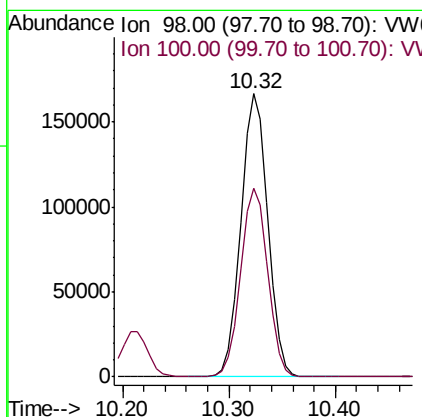
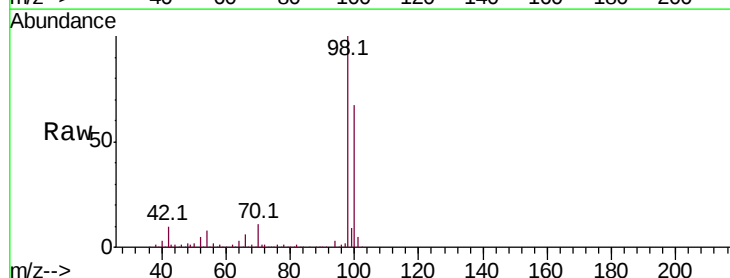
Acq: 28 May 2019 11:46

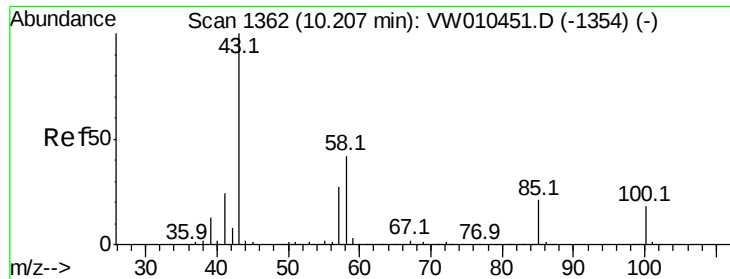
Tgt Ion: 98 Resp: 295392

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5





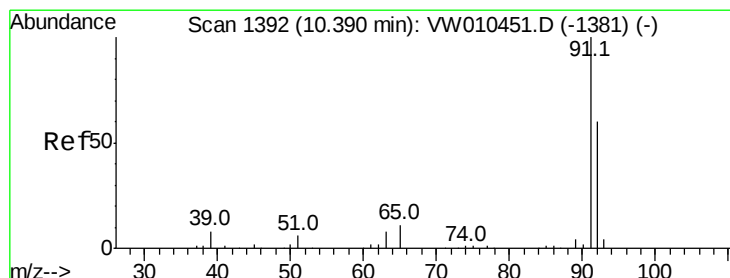
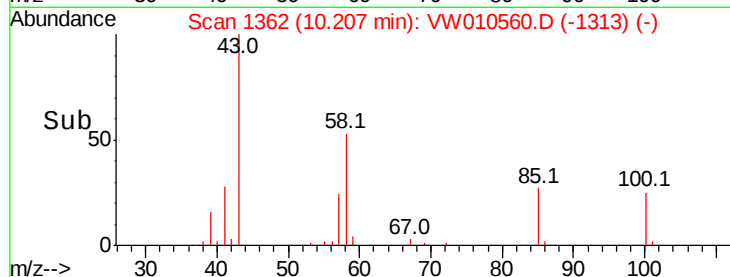
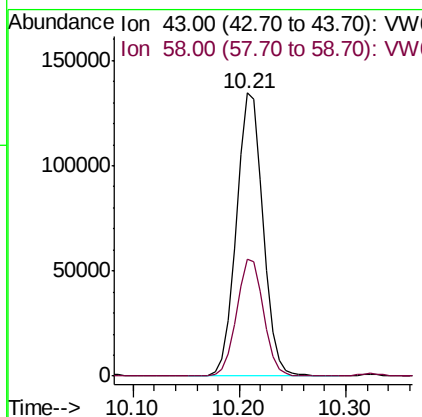
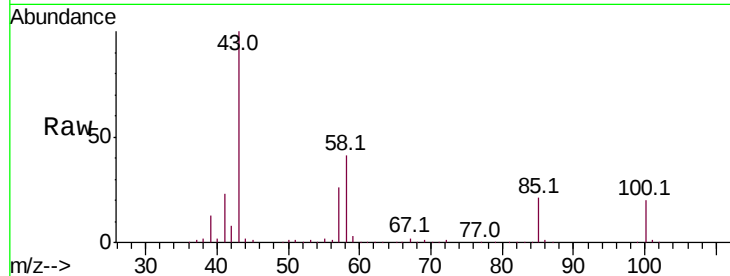
#51
4-Methyl-2-Pentanone
Concen: 235.669 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 236976
Ion Ratio Lower Upper
43 100
58 41.7 33.2 49.8

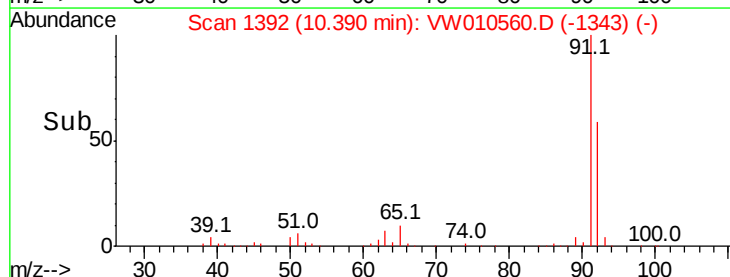
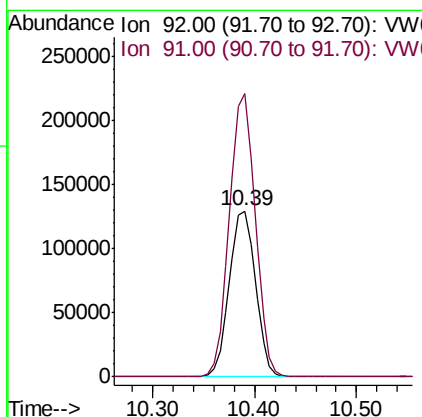
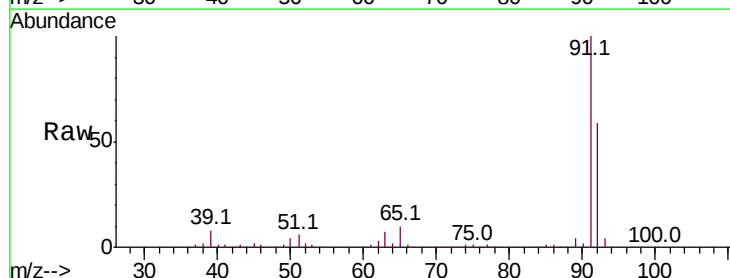
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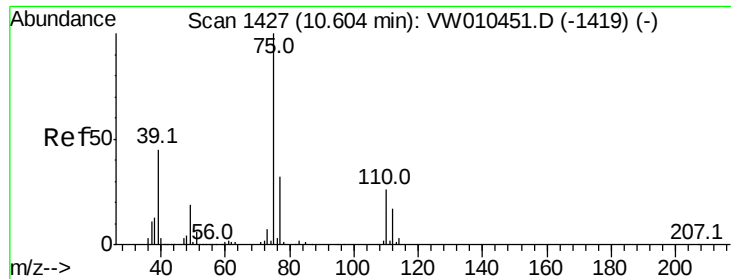
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#52
Toluene
Concen: 52.776 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 92 Resp: 230108
Ion Ratio Lower Upper
92 100
91 168.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 51.421 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 118012

Ion Ratio Lower Upper

75 100

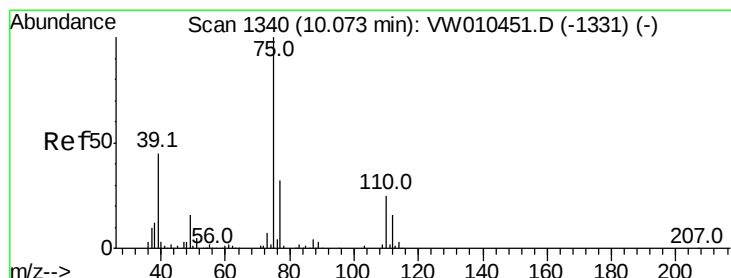
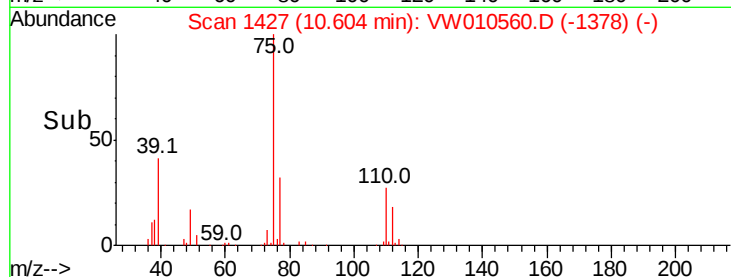
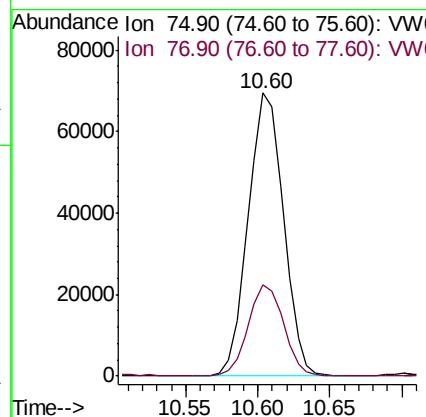
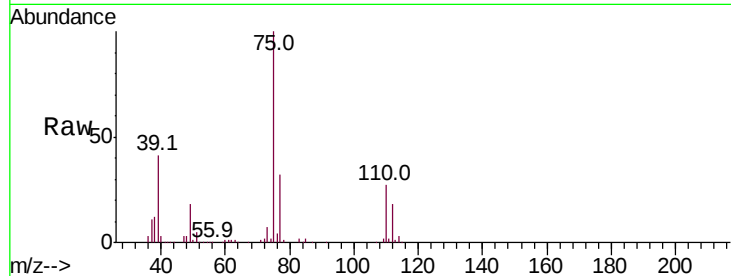
77 31.9 25.4 38.0

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5/29/2019 11:05:27 AM



#54

cis-1,3-Dichloropropene

Concen: 52.900 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

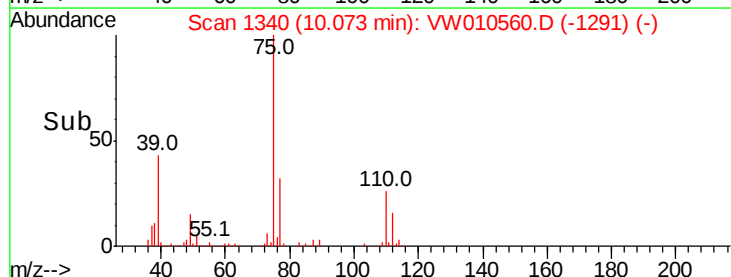
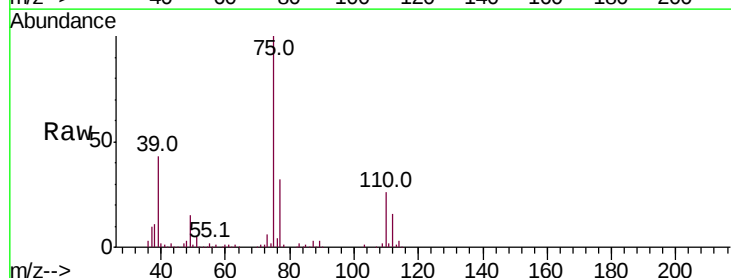
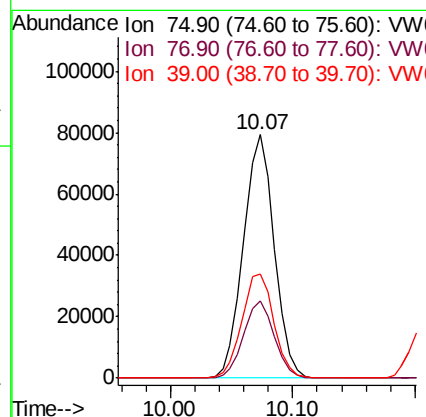
Tgt Ion: 75 Resp: 138653

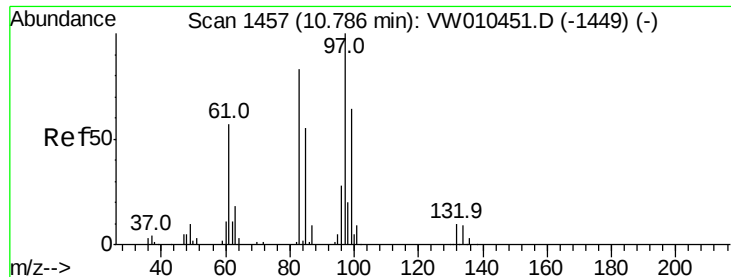
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 42.9 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 50.795 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

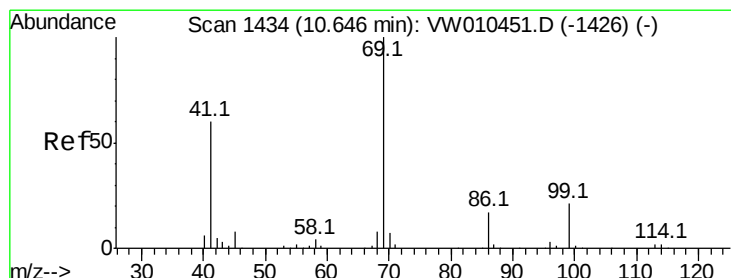
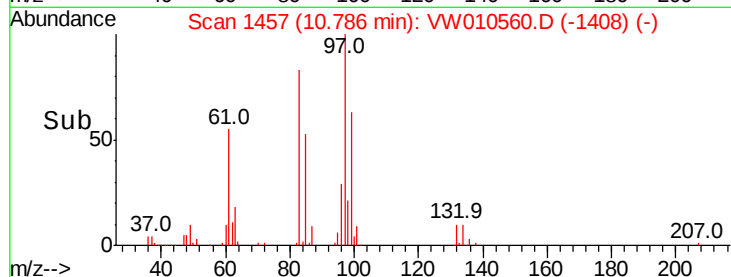
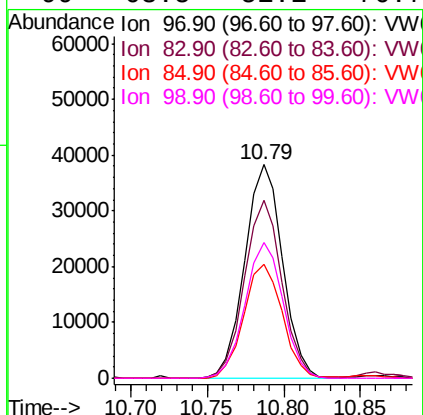
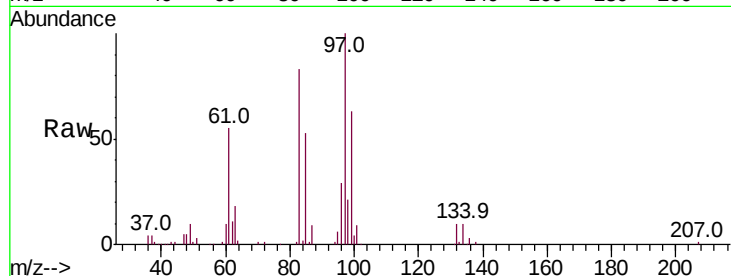
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.1	99.1
85	53.4	44.2	66.4
99	63.5	51.1	76.7

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#56

Ethyl methacrylate

Concen: 48.071 ug/l

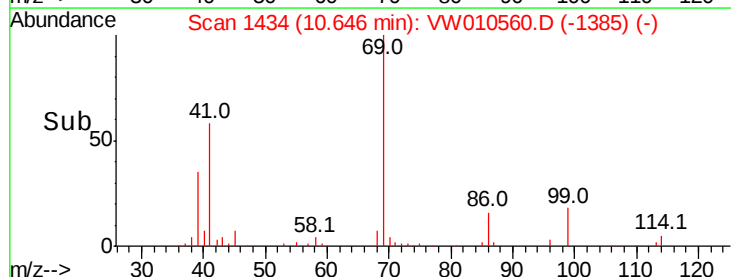
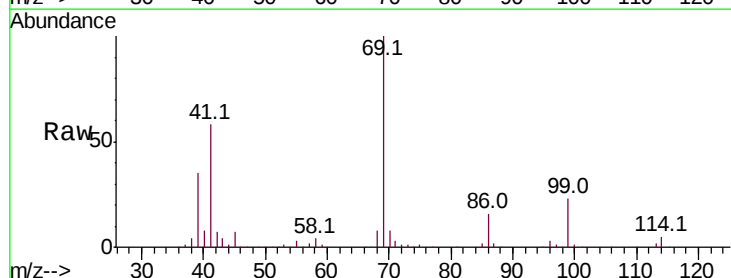
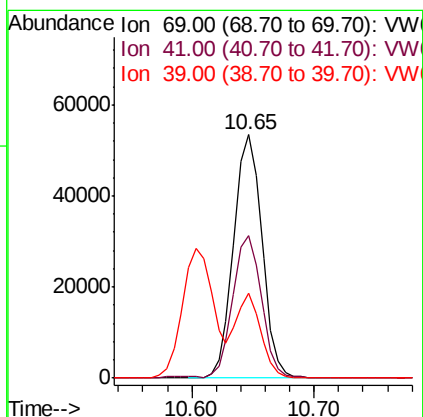
RT: 10.65 min Scan# 1434

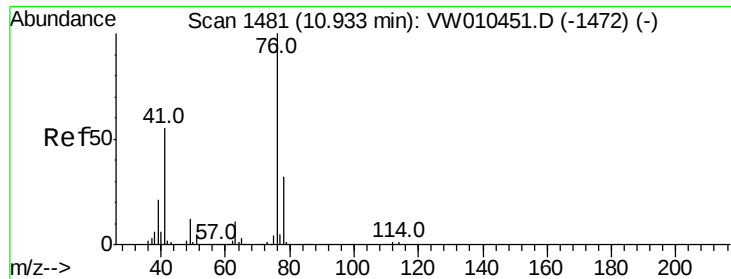
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.5	47.7	71.5
39	30.7	25.3	37.9





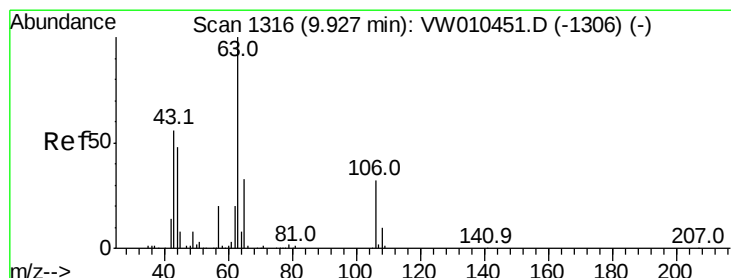
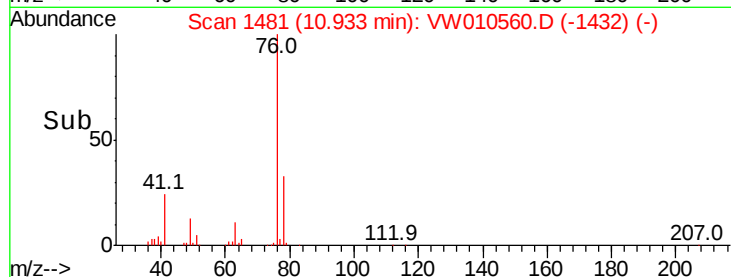
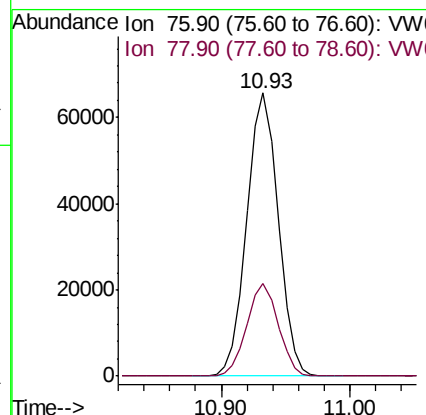
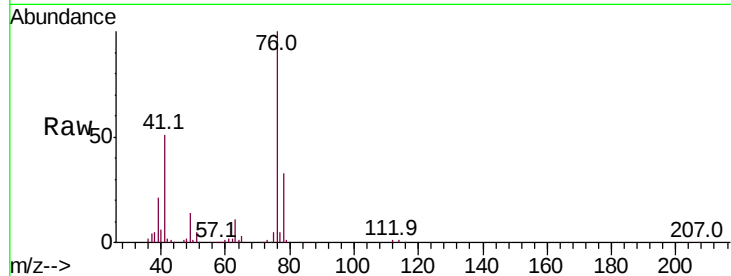
#57
 1,3-Dichloropropane
 Concen: 50.939 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 110643
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

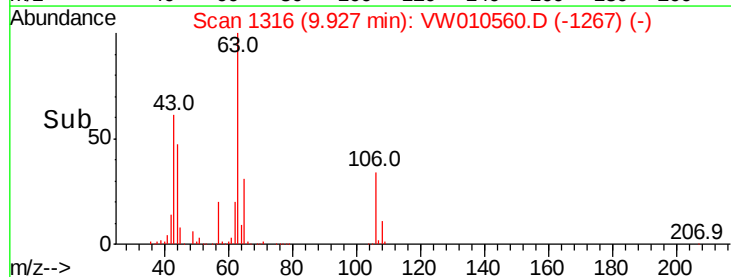
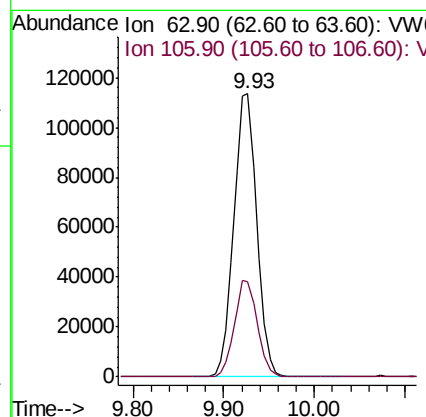
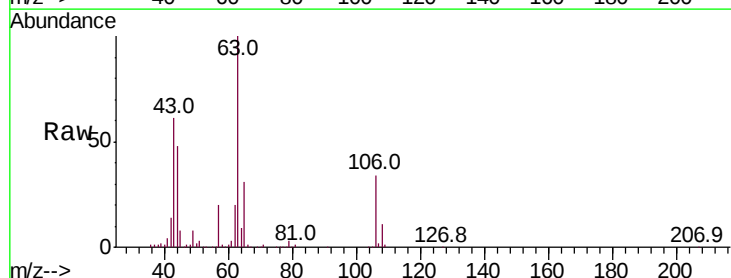
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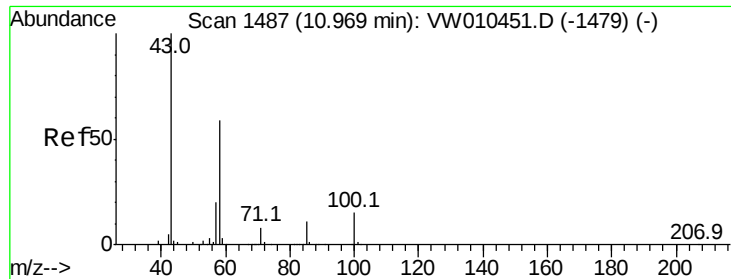
MMDadoda
 5/29/2019 11:05:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.126 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion: 63 Resp: 198924
 Ion Ratio Lower Upper
 63 100
 106 34.1 25.8 38.6





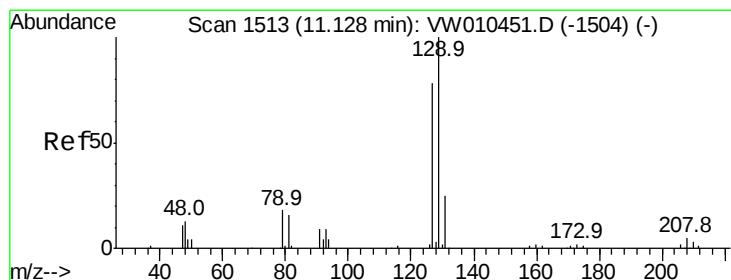
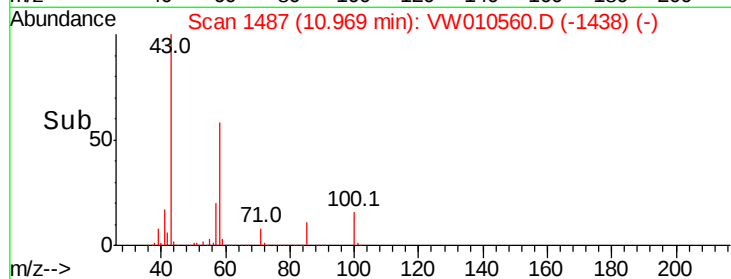
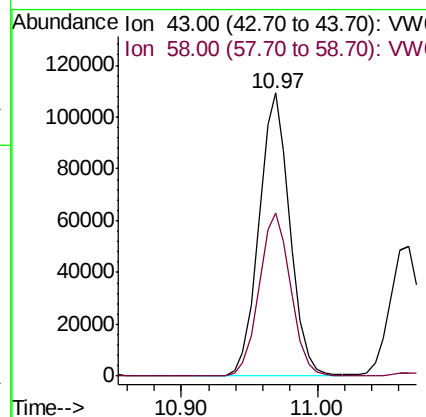
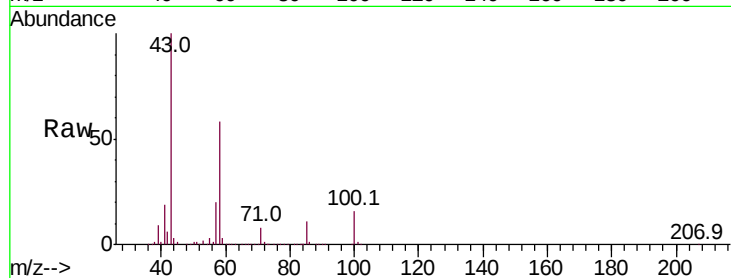
#59
2-Hexanone
Concen: 242.293 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	173798
Ion Ratio	100	Lower	Upper
58	59.0	28.9	86.8

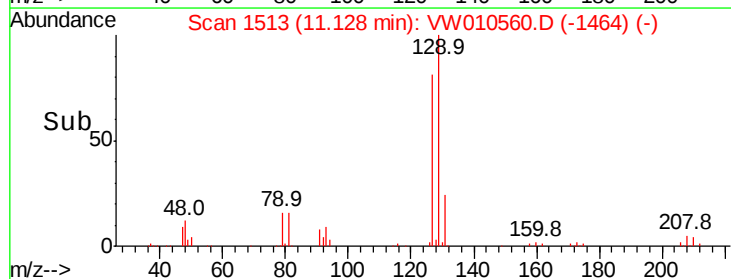
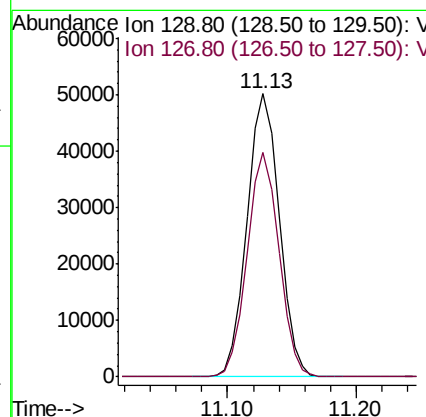
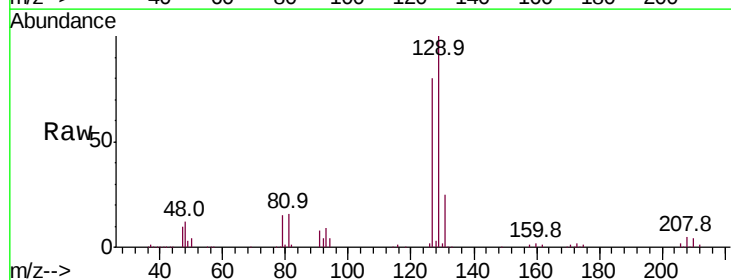
Manual Integrations
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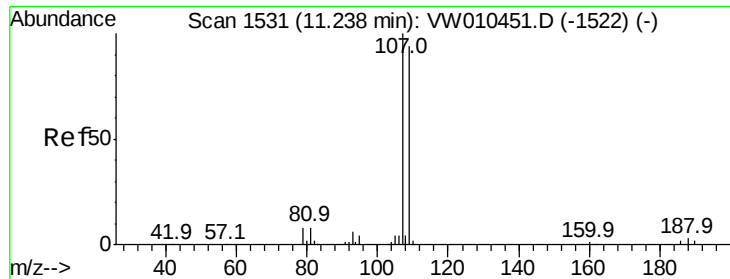
MMDadoda
5/29/2019 11:05:27 AM



#60
Dibromochloromethane
Concen: 52.923 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	129	Resp	86853
Ion Ratio	100	Lower	Upper
127	78.1	38.9	116.7





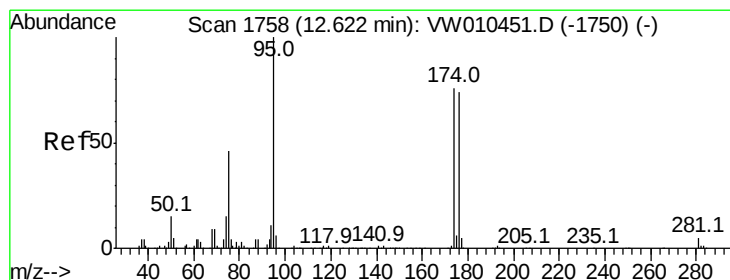
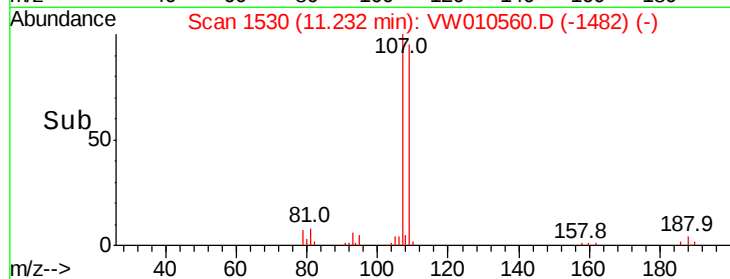
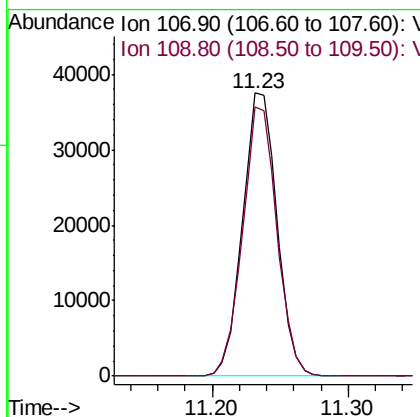
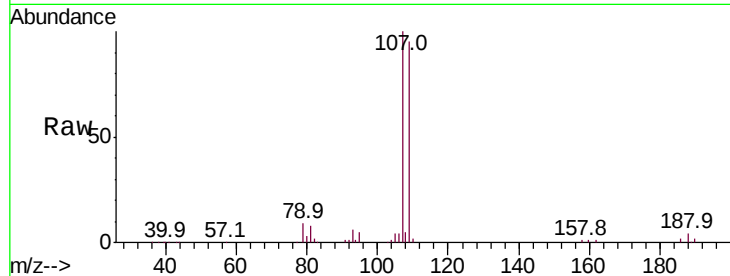
#61
1,2-Dibromoethane
Concen: 50.675 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.4

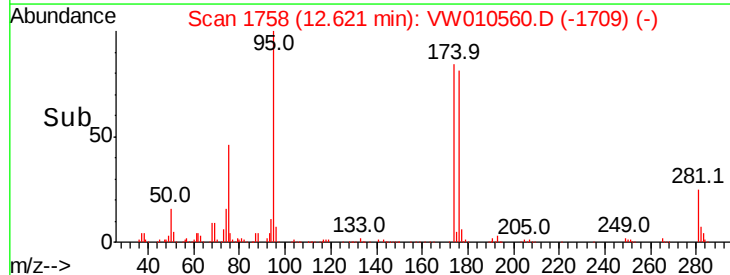
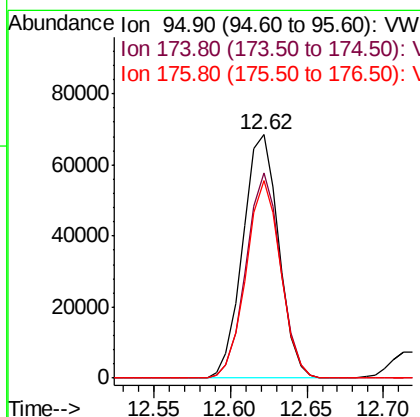
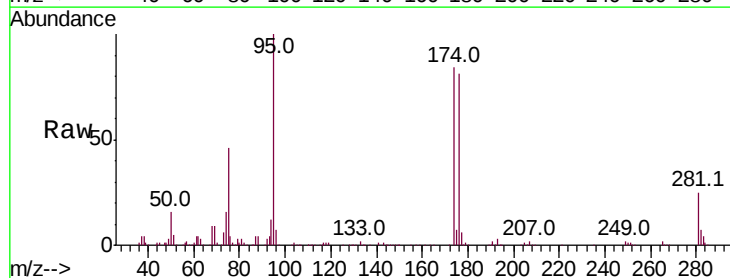
Manual Integrations
APPROVED

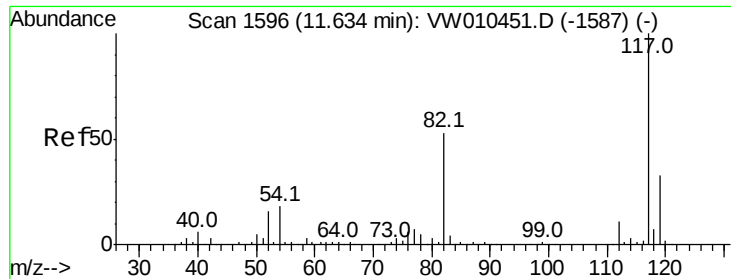
MMDadoda
5/29/2019 11:05:27 AM



#62
4-Bromofluorobenzene
Concen: 48.318 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	148.6
176	78.2	0.0	144.2





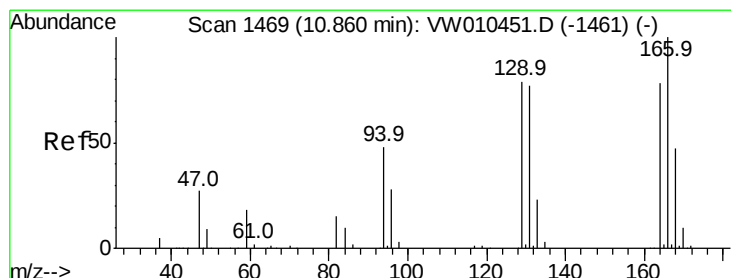
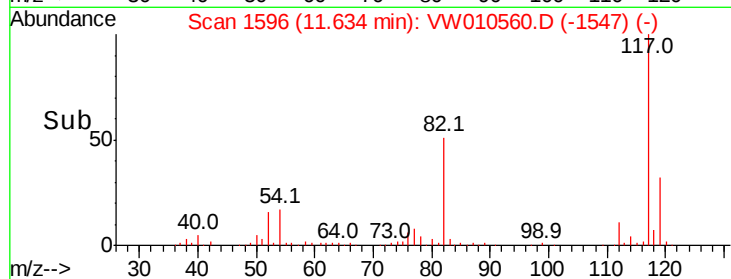
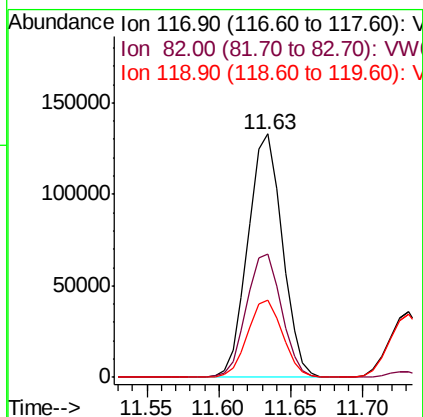
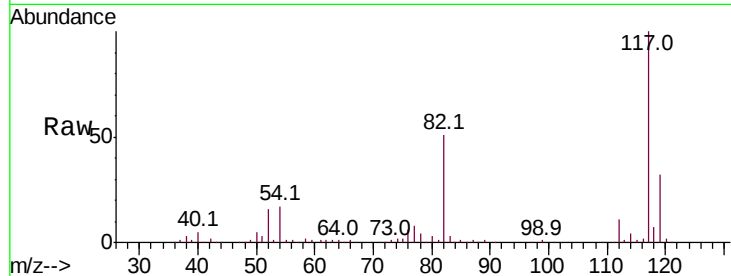
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.8	64.2
119	31.7	26.3	39.5

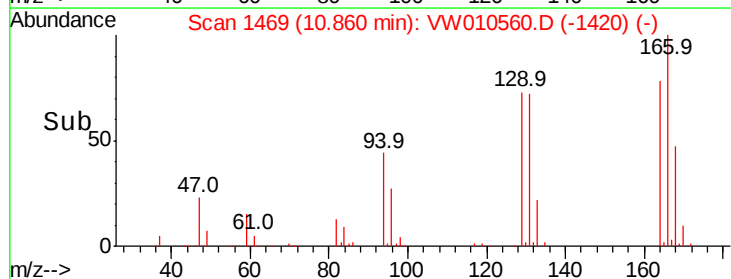
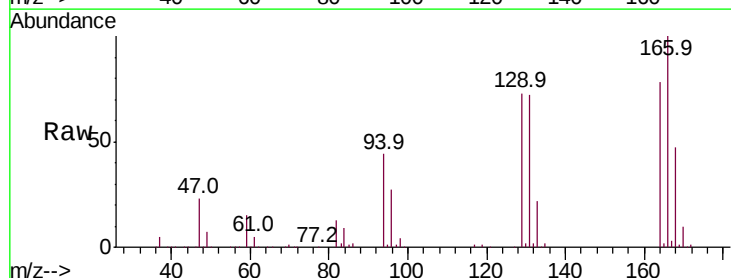
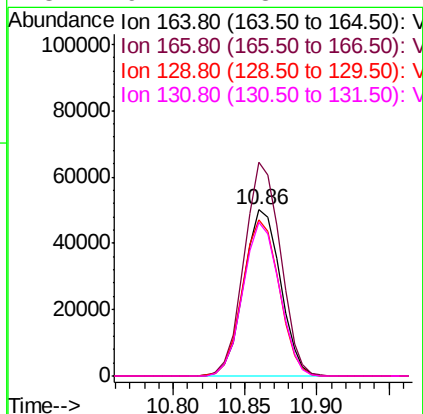
Manual Integrations
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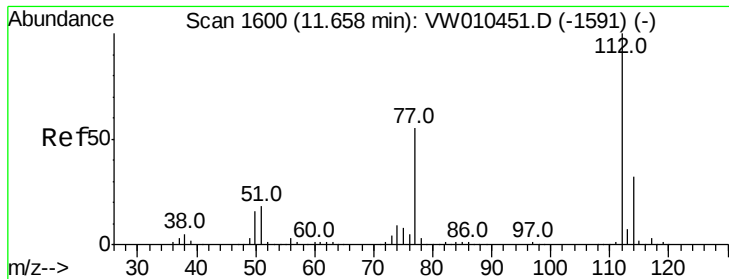
MMDadoda
5/29/2019 11:05:27 AM



#64
Tetrachloroethene
Concen: 57.452 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.9	152.9
129	94.0	80.6	121.0
131	92.2	78.2	117.2





#65

Chlorobenzene

Concen: 53.758 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 252546

Ion Ratio Lower Upper

112 100

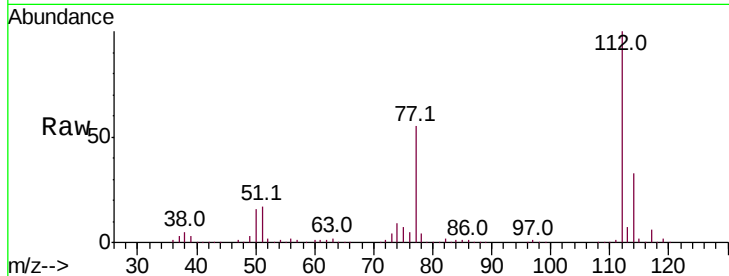
114 33.2 25.3 37.9

Manual Integrations

APPROVED

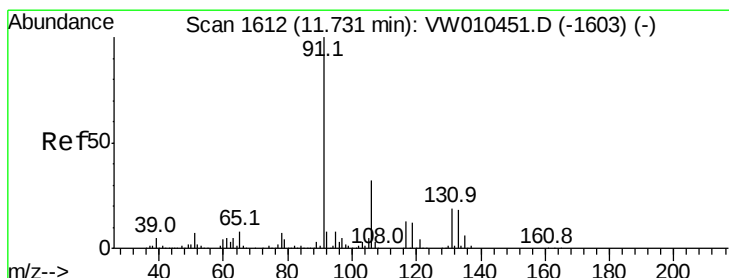
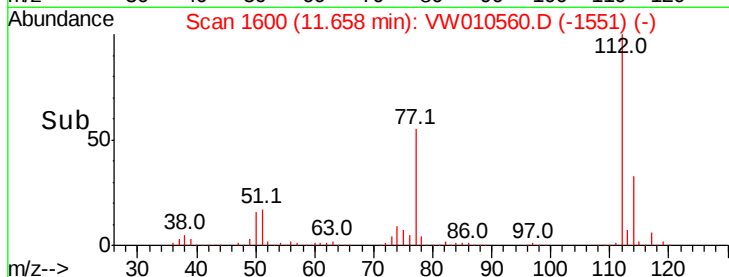
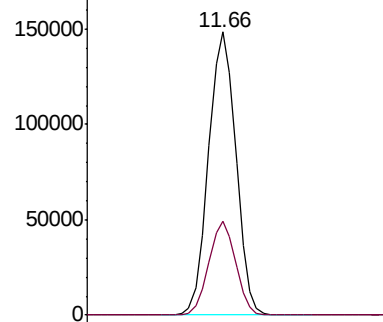
MMDadoda

5/29/2019 11:05:27 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: 54.698 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

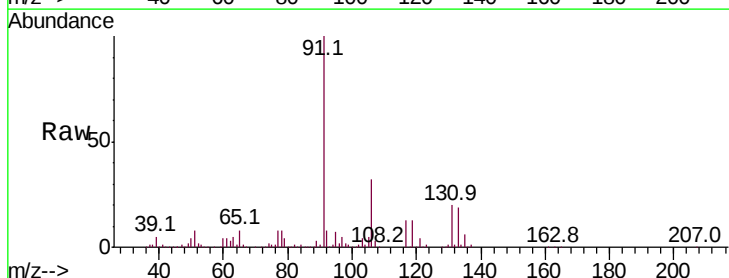
Tgt Ion:131 Resp: 92049

Ion Ratio Lower Upper

131 100

133 96.3 47.3 141.9

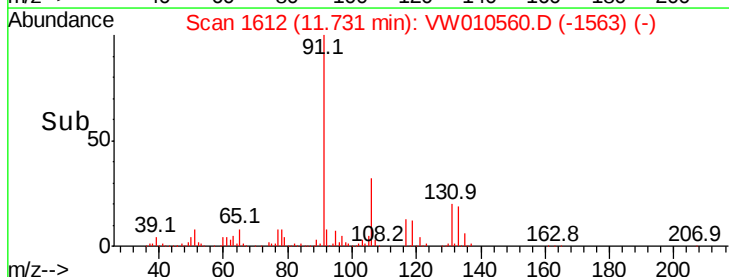
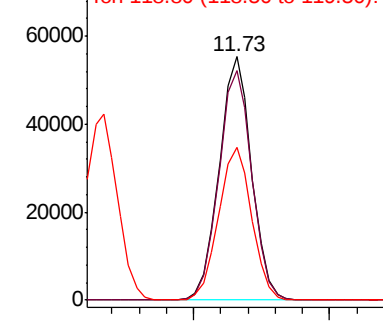
119 64.4 32.1 96.5

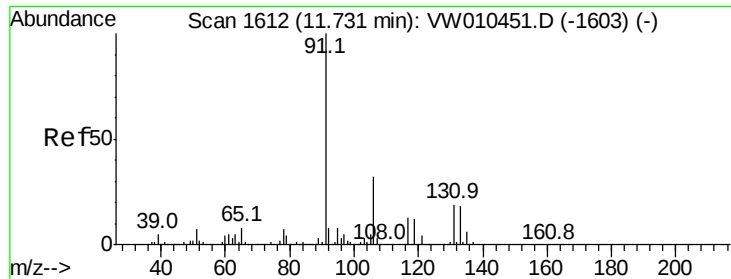


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





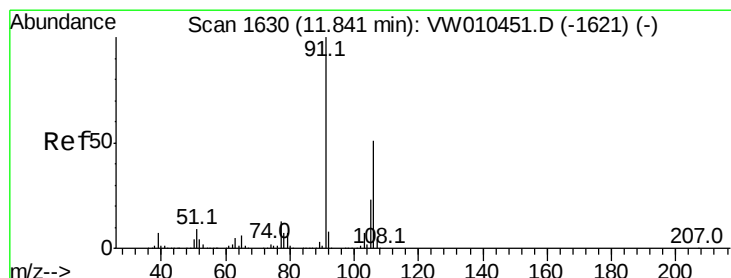
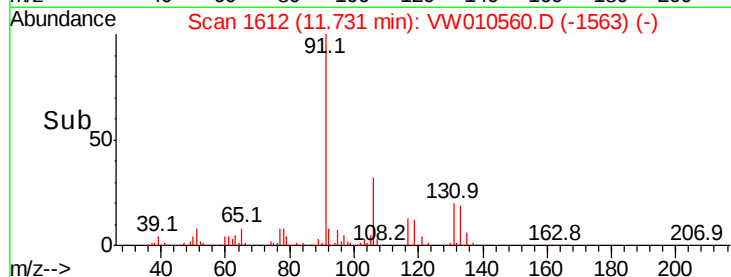
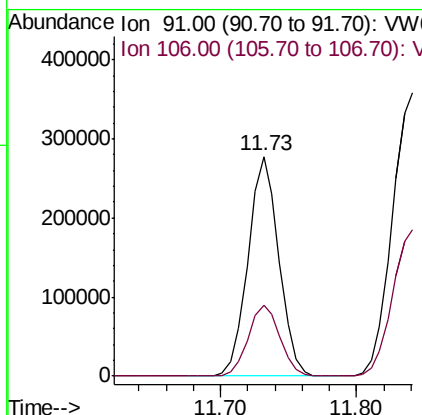
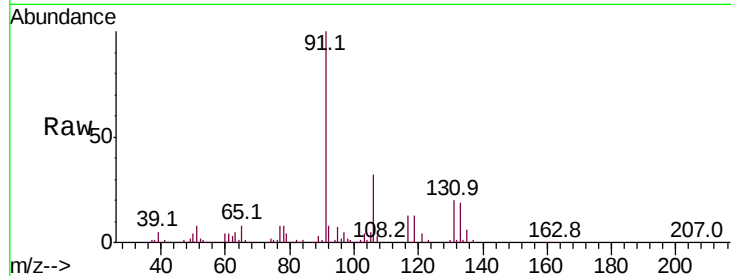
#67
Ethyl Benzene
Concen: 53.096 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 440385
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9

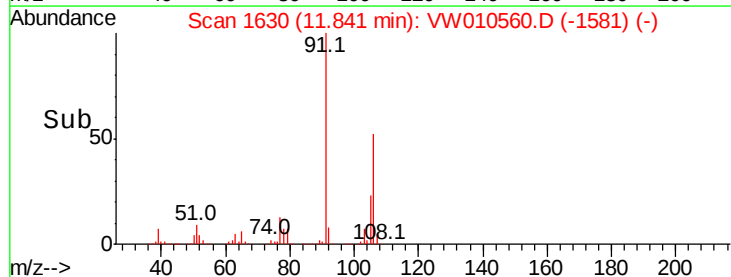
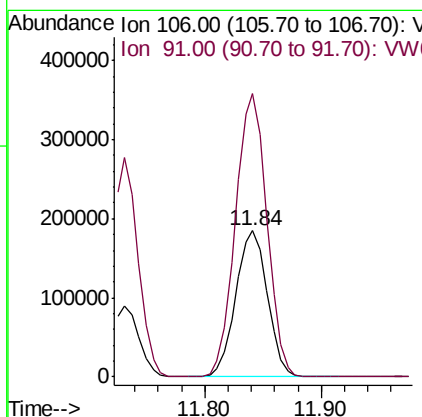
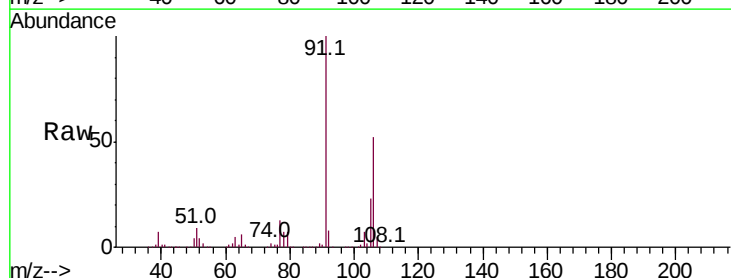
Manual Integrations
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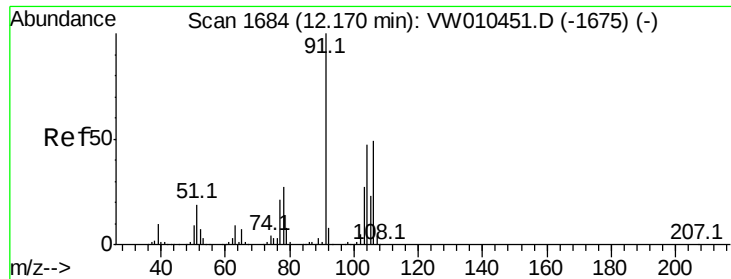
MMDadoda
5/29/2019 11:05:27 AM



#68
m/p-Xylenes
Concen: 107.716 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion: 106 Resp: 350424
Ion Ratio Lower Upper
106 100
91 192.4 156.0 234.0





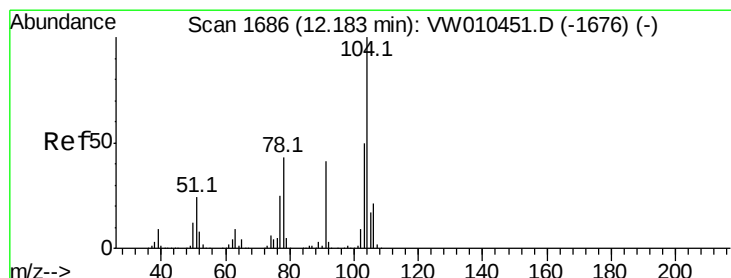
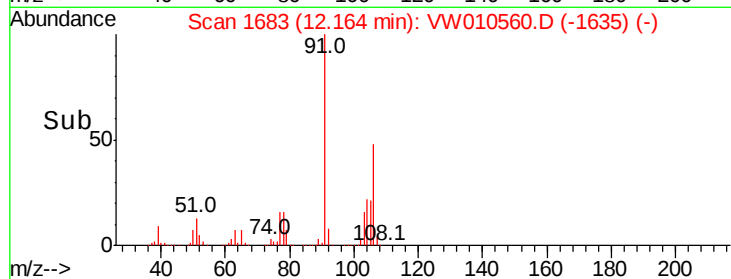
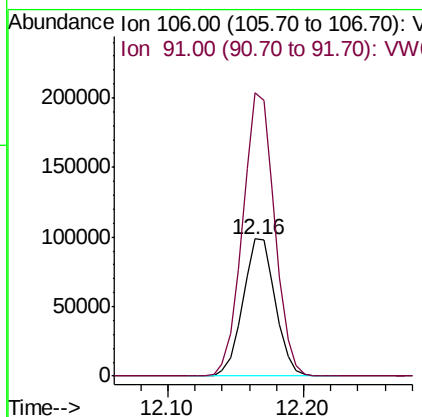
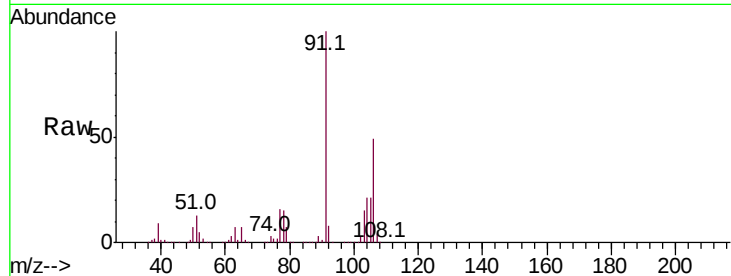
#69
o-Xylene
Concen: 53.233 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 164079
Ion Ratio Lower Upper
106 100
91 203.9 103.2 309.4

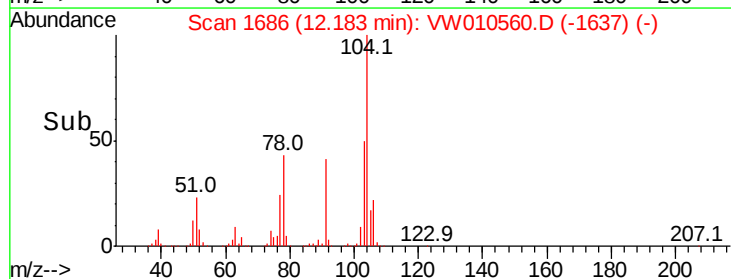
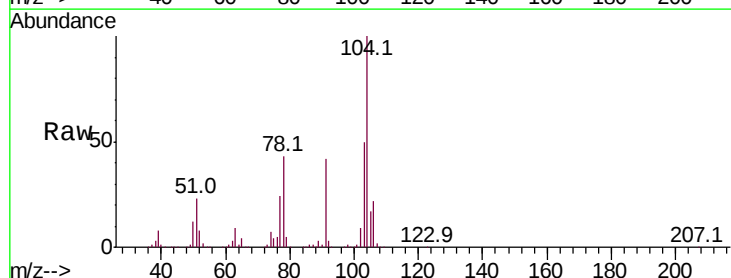
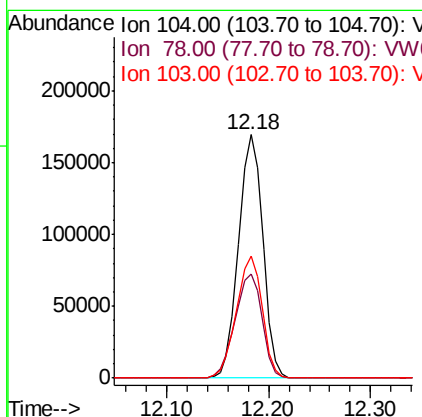
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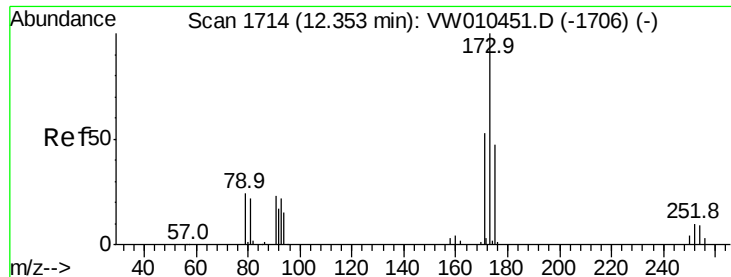
MMDadoda
5/29/2019 11:05:27 AM



#70
Styrene
Concen: 53.331 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion:104 Resp: 278909
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.4
103 53.3 43.0 64.6





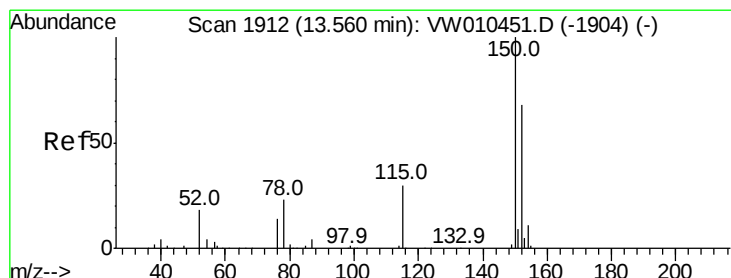
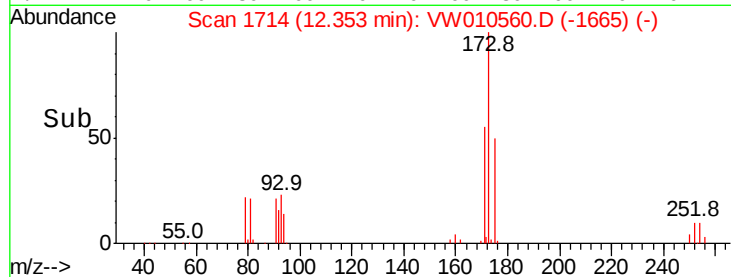
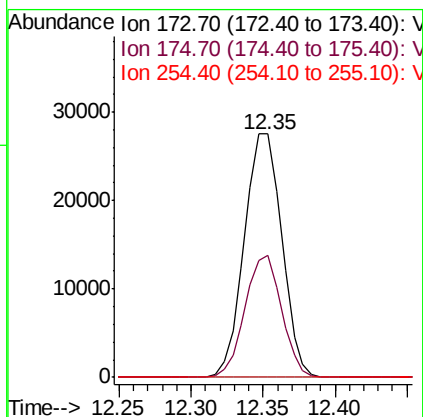
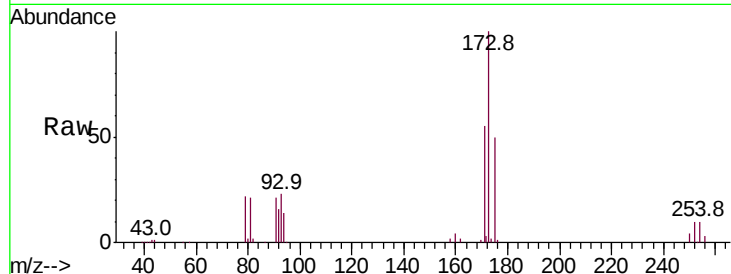
#71
Bromoform
Concen: 53.655 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.0	0.0	0.0

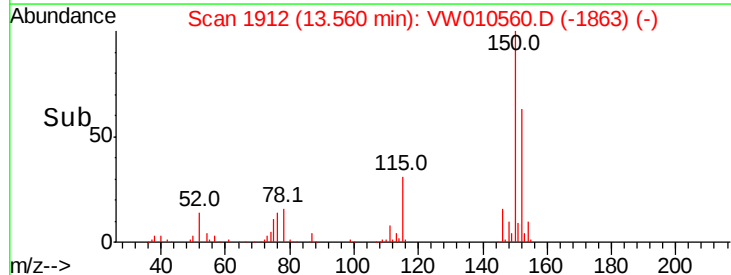
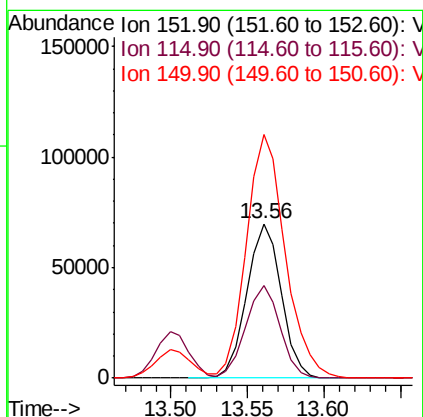
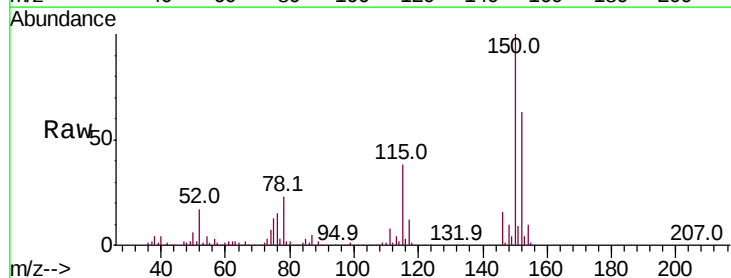
Manual Integrations
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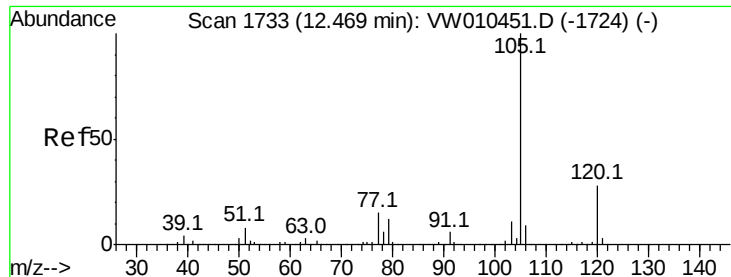
MMDadoda
5/29/2019 11:05:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	91.0
150	176.9	0.0	349.8





#73

Isopropylbenzene

Concen: 52.382 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 455103

Ion Ratio Lower Upper

105 100

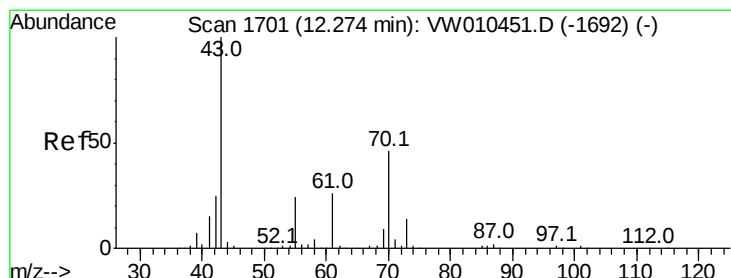
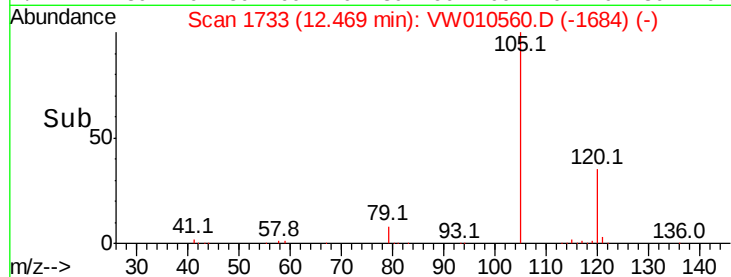
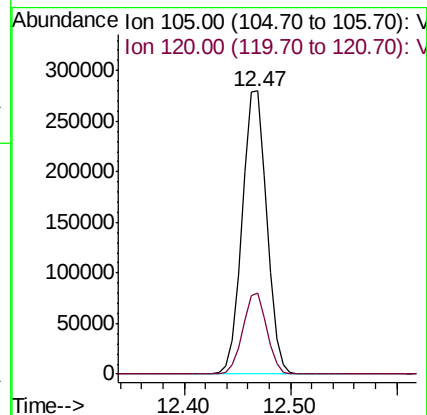
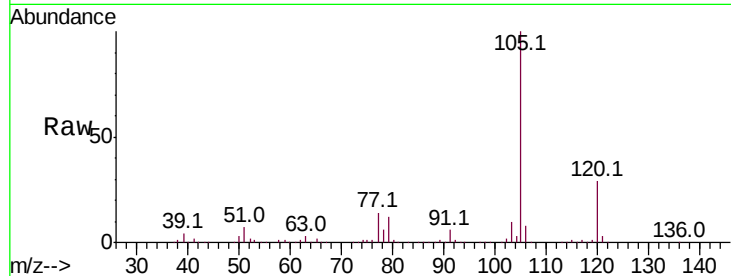
120 28.1 13.9 41.7

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:27 AM



#74

N-ethyl acetate

Concen: 45.703 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion: 43 Resp: 90992

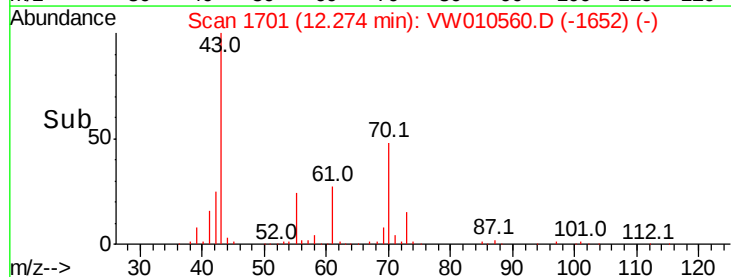
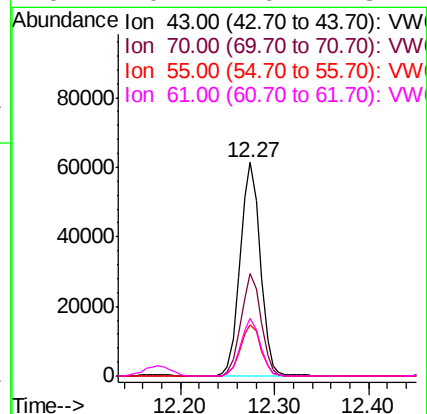
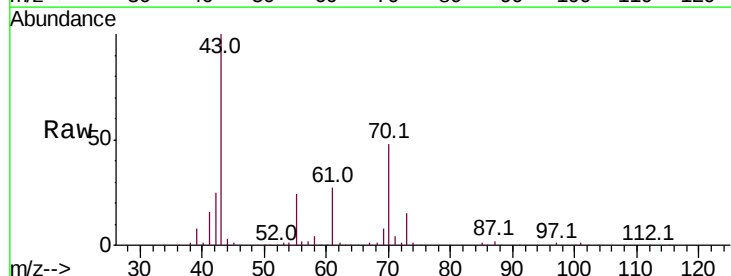
Ion Ratio Lower Upper

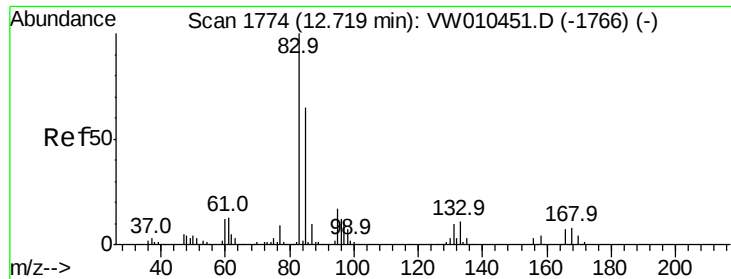
43 100

70 47.9 37.1 55.7

55 24.5 19.6 29.4

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.693 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

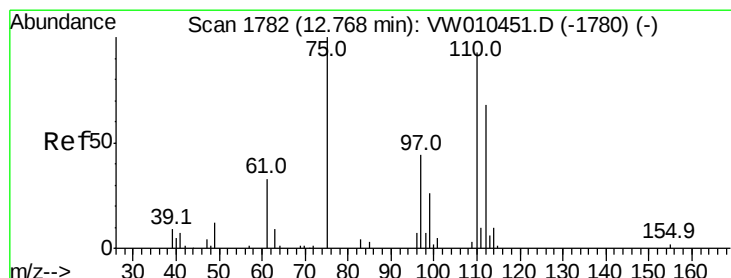
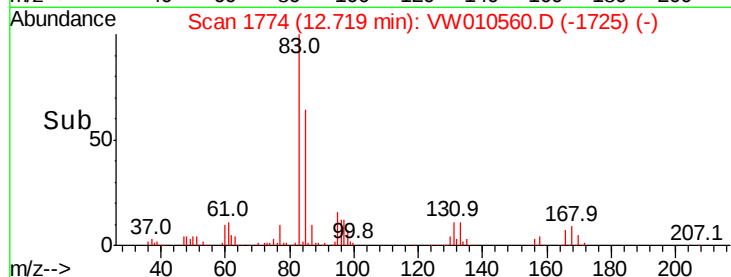
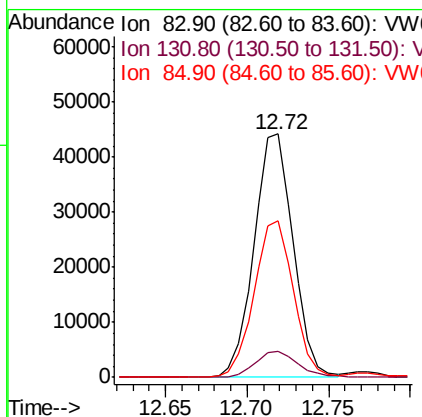
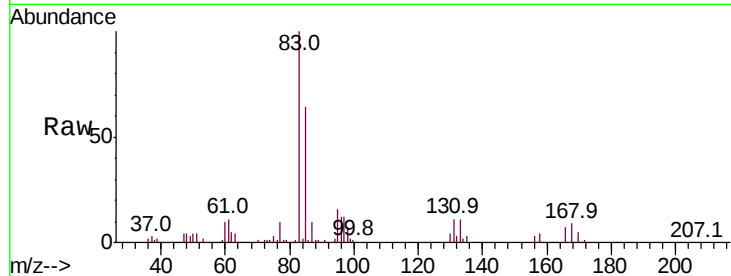
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	73788
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.6	16.8
85	64.3	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 46.061 ug/l m

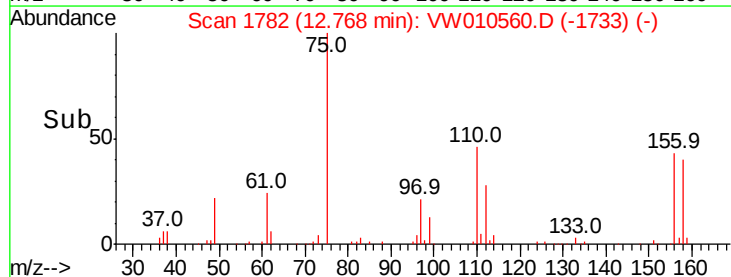
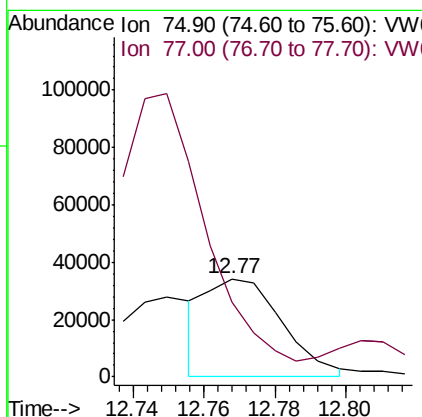
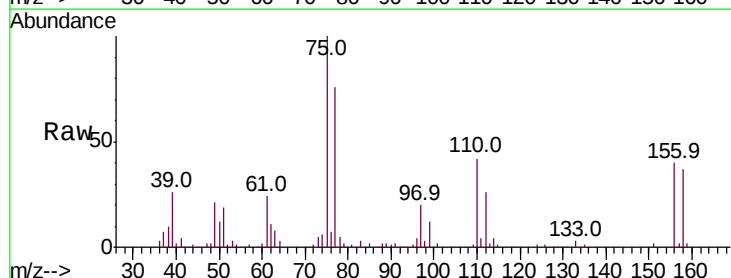
RT: 12.77 min Scan# 1782

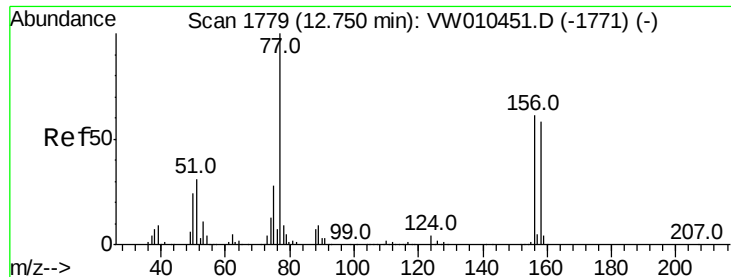
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion:	75	Resp:	51191
Ion Ratio	Lower	Upper	
75	100		
77	356.4	170.0	510.1





#77

Bromobenzene

Concen: 54.826 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

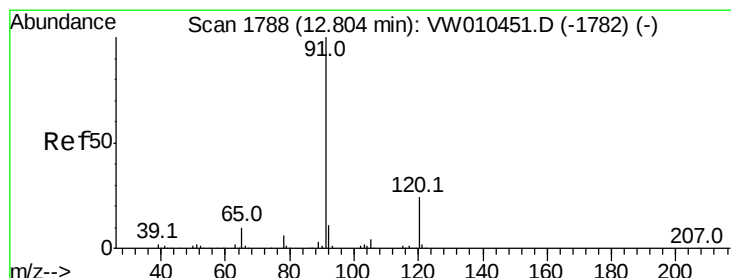
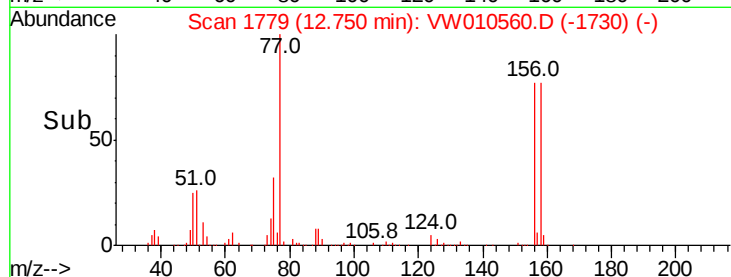
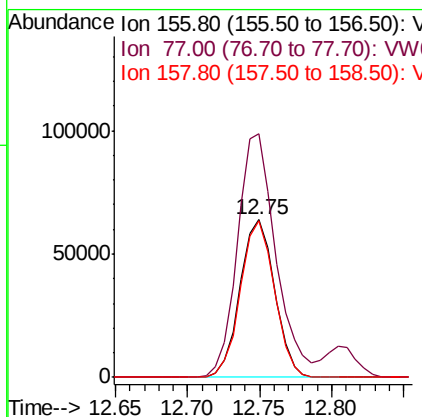
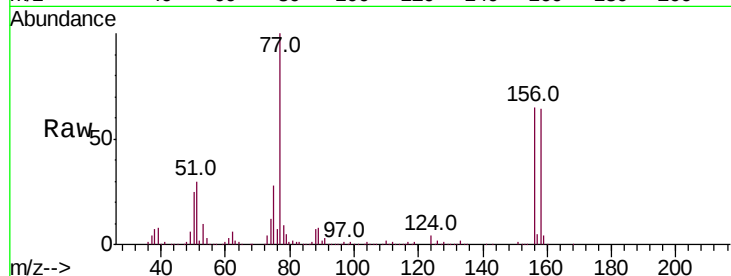
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	106595		
77	171.2	92.4	277.2	
158	97.3	48.3	144.8	

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#78

n-propylbenzene

Concen: 51.476 ug/l

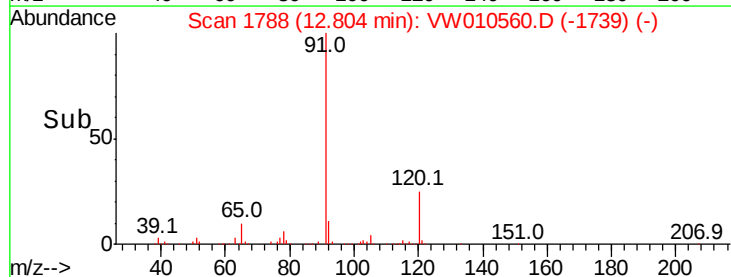
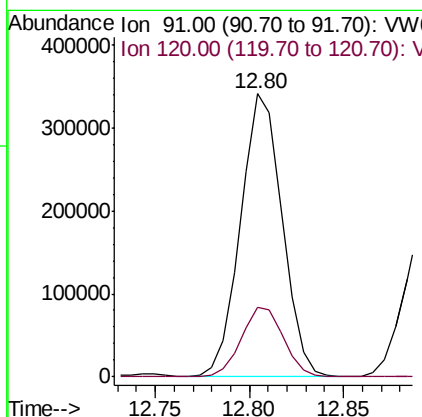
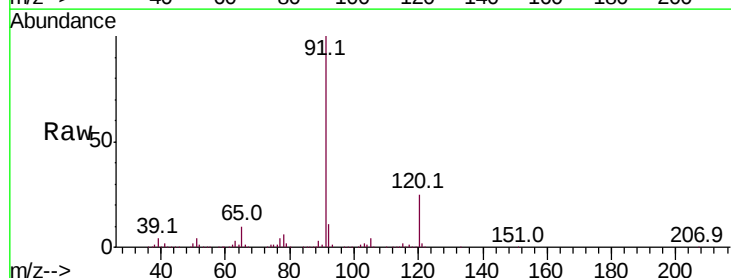
RT: 12.80 min Scan# 1788

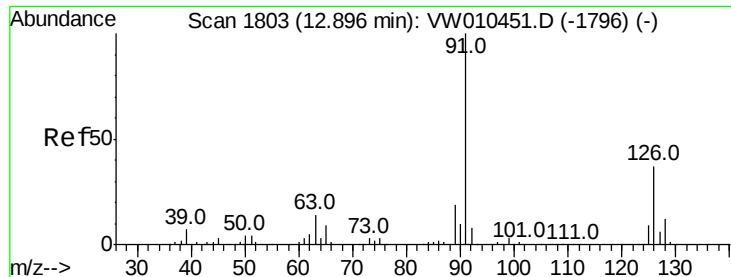
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	521197		
120	24.9	12.3	36.8	





#79

2-Chlorotoluene

Concen: 50.713 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 297770

Ion Ratio Lower Upper

91 100

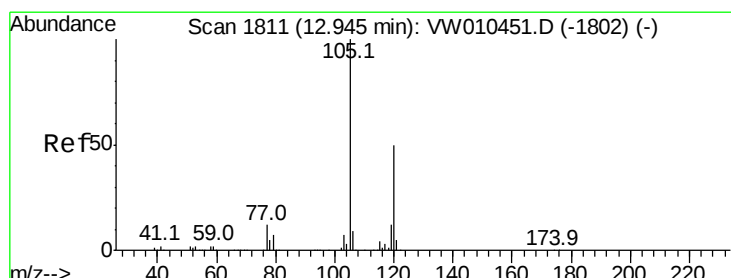
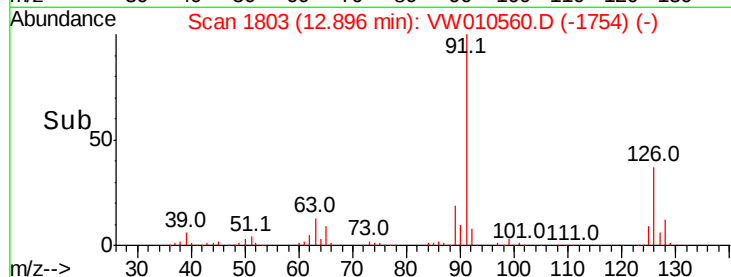
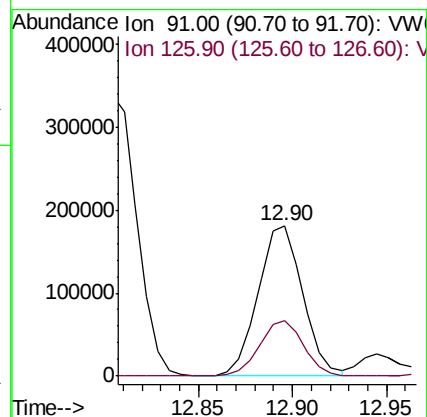
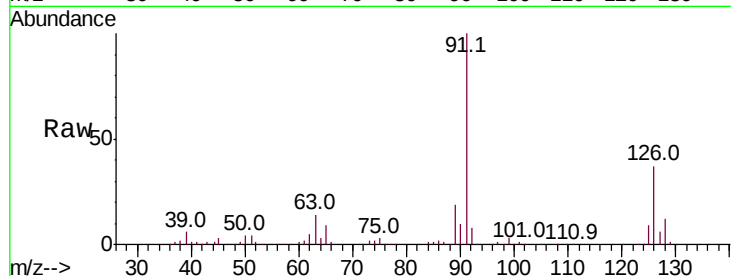
126 36.4 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.532 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010560.D

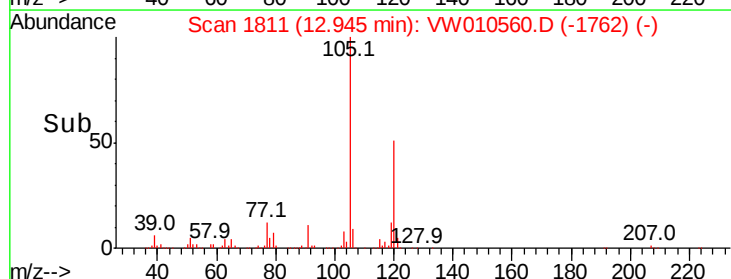
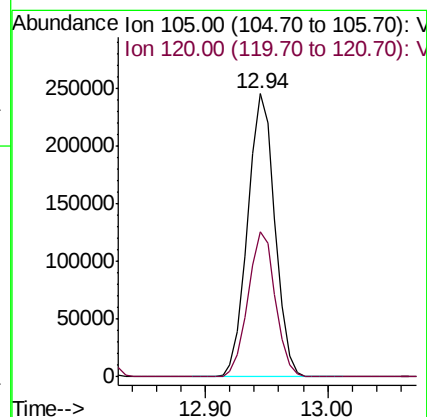
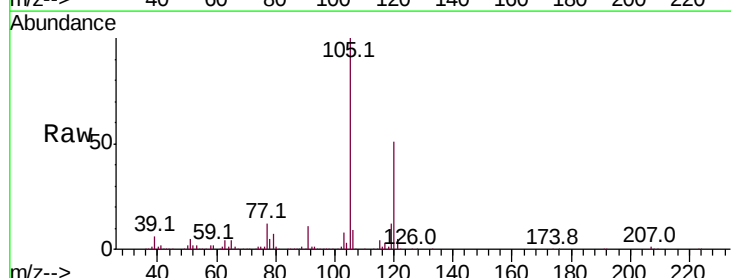
Acq: 28 May 2019 11:46

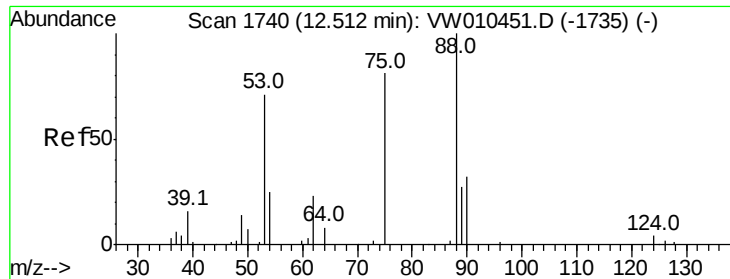
Tgt Ion:105 Resp: 379195

Ion Ratio Lower Upper

105 100

120 51.5 25.2 75.6





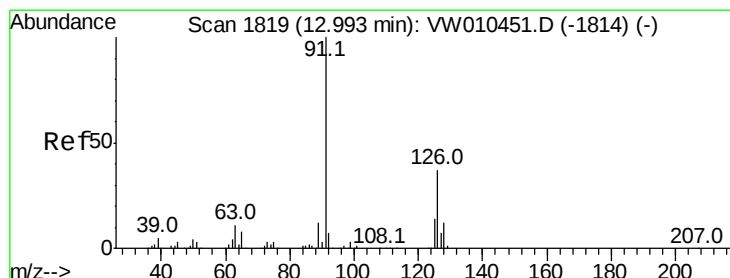
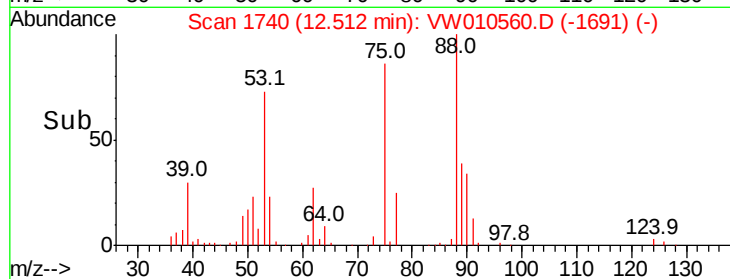
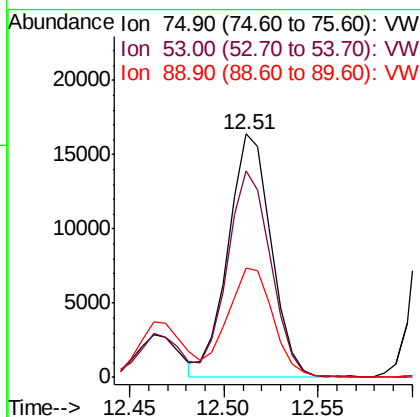
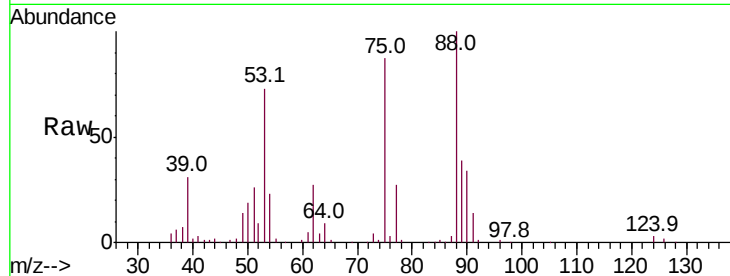
#81
trans-1,4-Dichloro-2-butene
Concen: 48.348 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	69.8	104.8
89	47.8	39.5	59.3

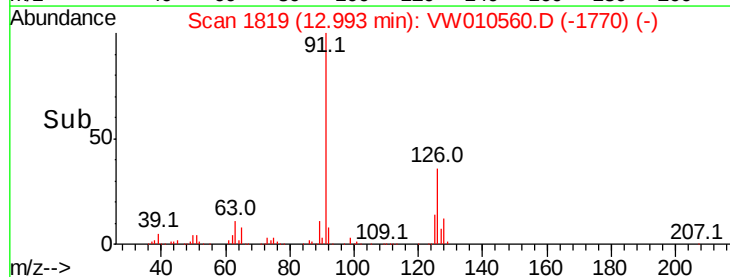
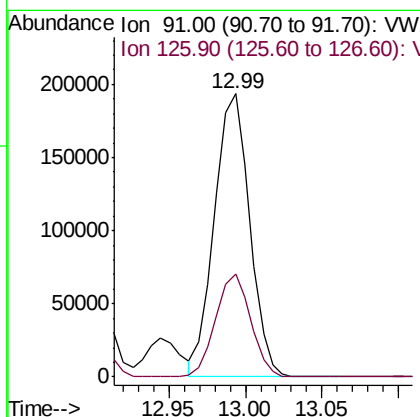
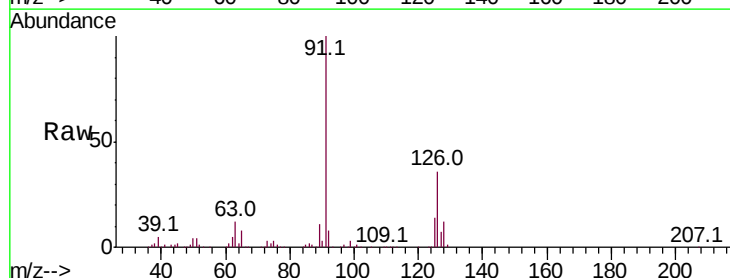
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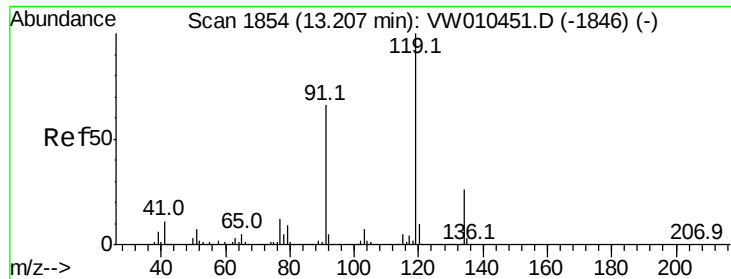
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#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.6





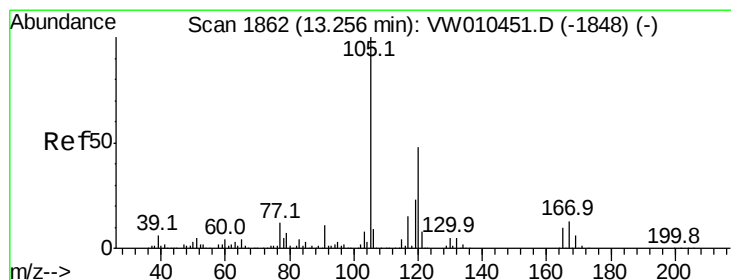
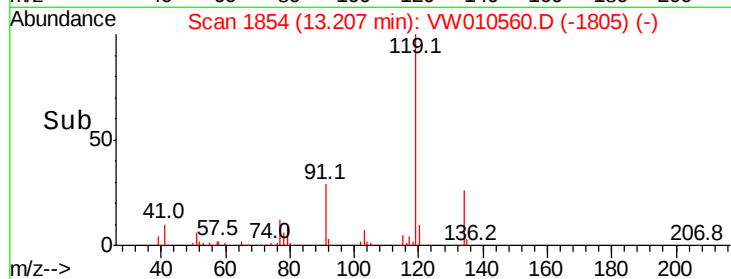
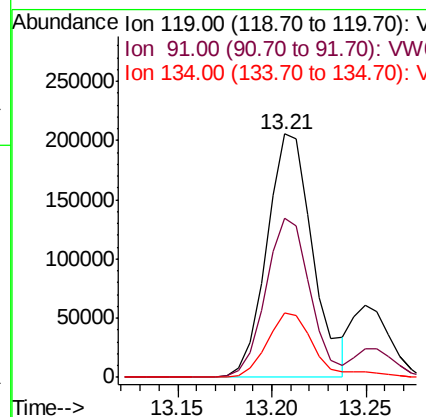
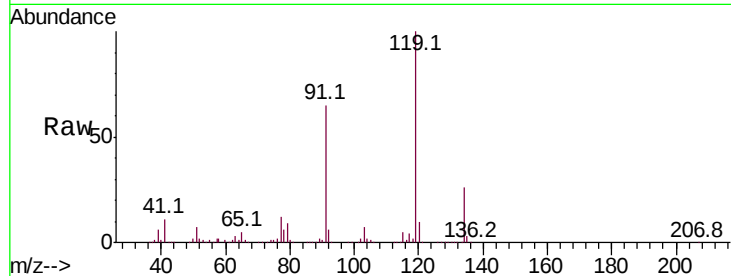
#83
tert-Butylbenzene
Concen: 54.149 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	33.1	99.5
134	27.3	13.9	41.6

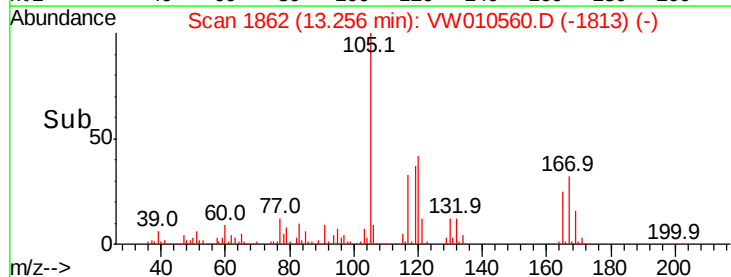
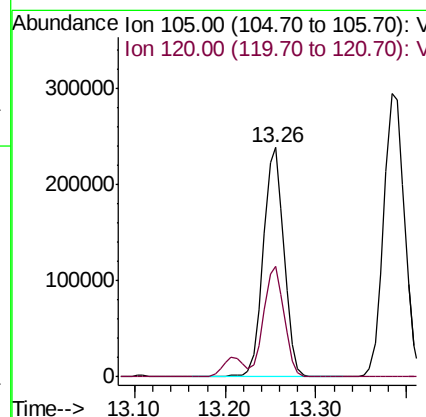
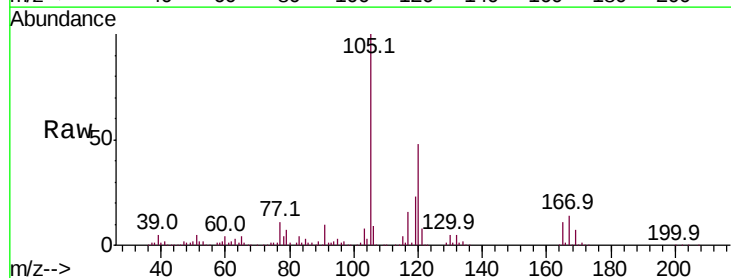
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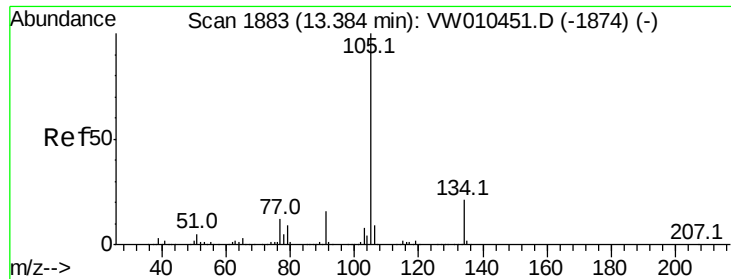
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#84
1,2,4-Trimethylbenzene
Concen: 51.248 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.4	70.2





#85

sec-Butylbenzene

Concen: 52.387 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 471220

Ion Ratio Lower Upper

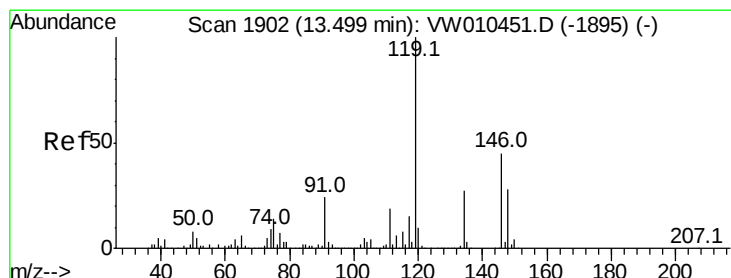
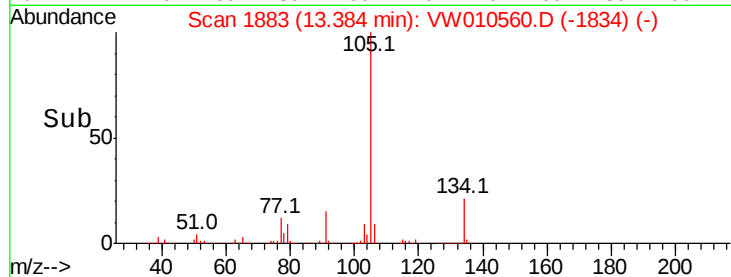
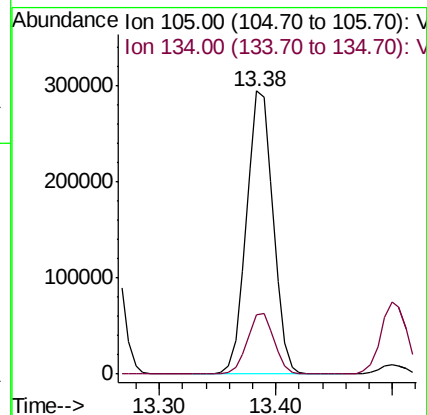
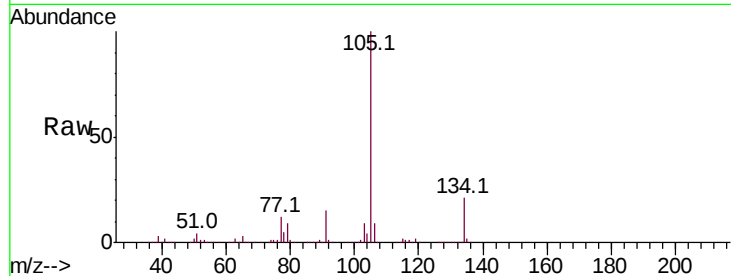
105 100

134 21.5 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 52.735 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

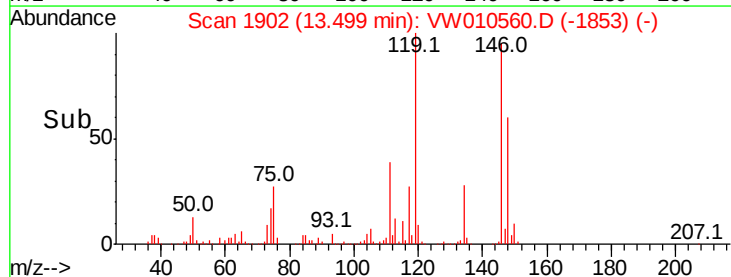
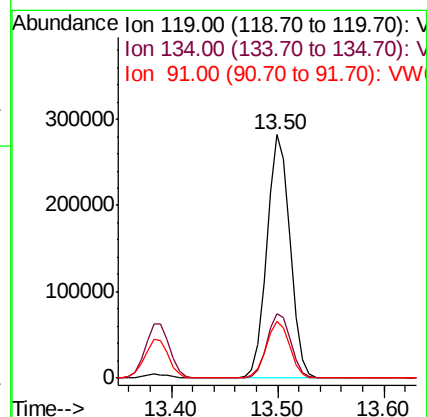
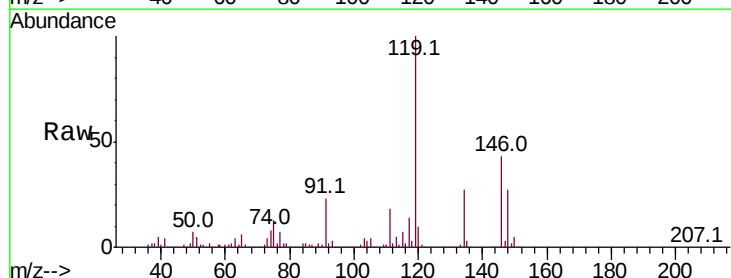
Tgt Ion:119 Resp: 429349

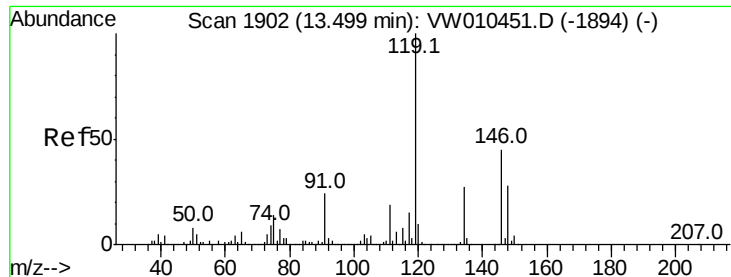
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.5 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 53.248 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

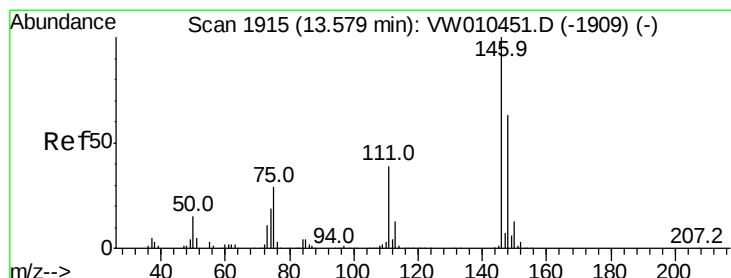
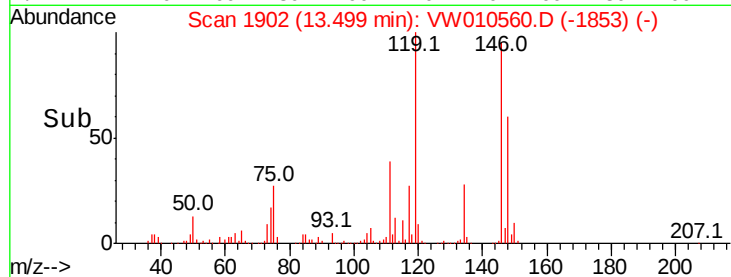
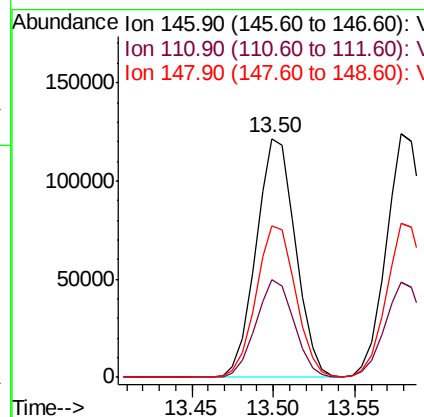
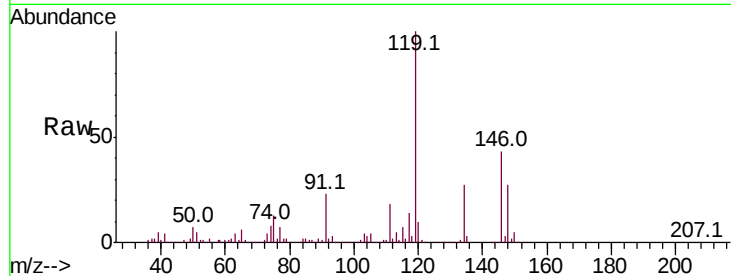
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203115		
111	39.9	20.3	60.9	
148	63.8	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 53.356 ug/l

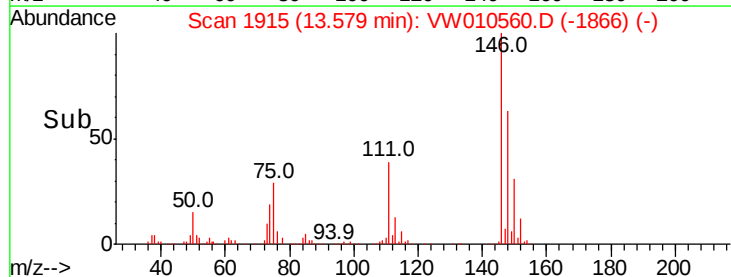
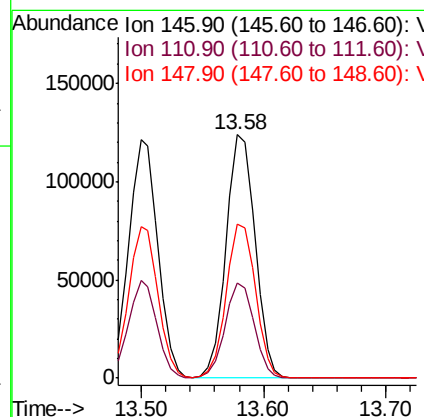
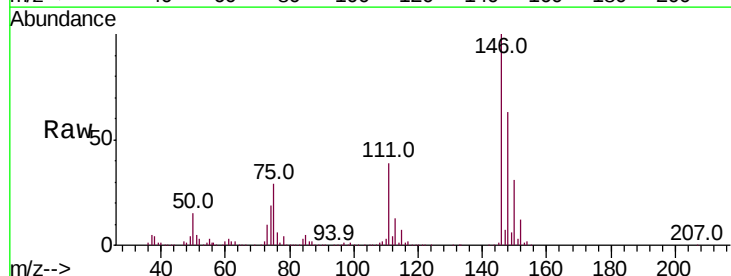
RT: 13.58 min Scan# 1915

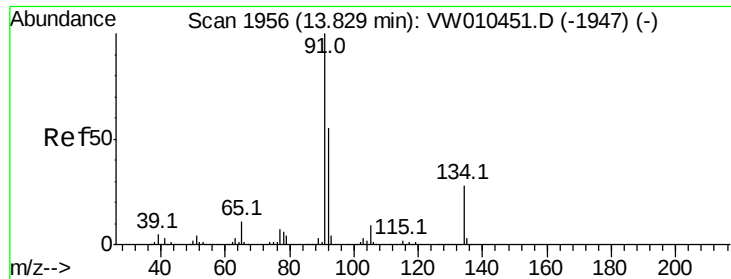
Delta R.T. -0.00 min

Lab File: VW010560.D

Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204202		
111	39.2	19.9	59.6	
148	63.8	31.6	94.8	





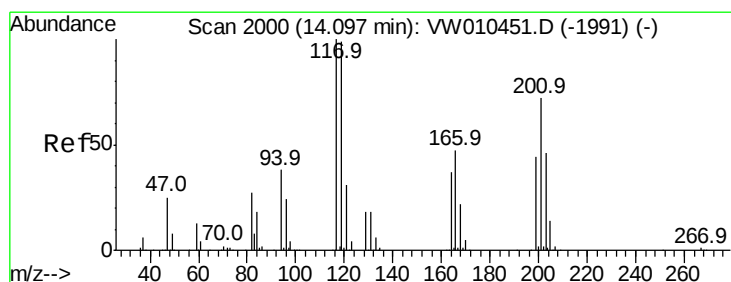
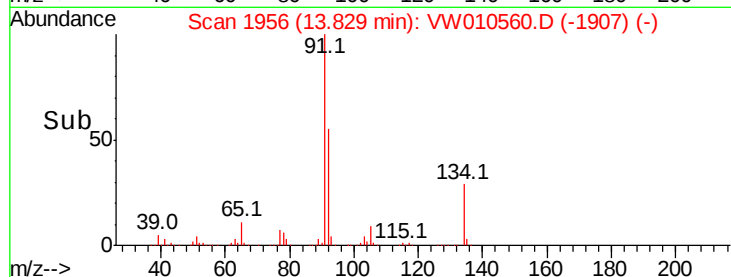
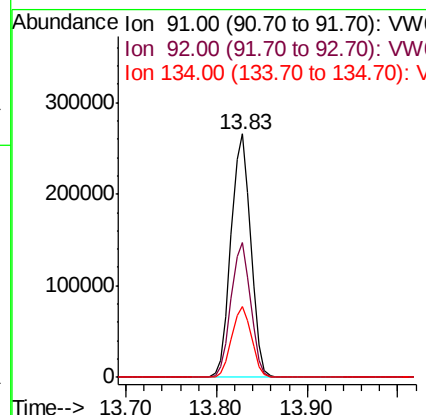
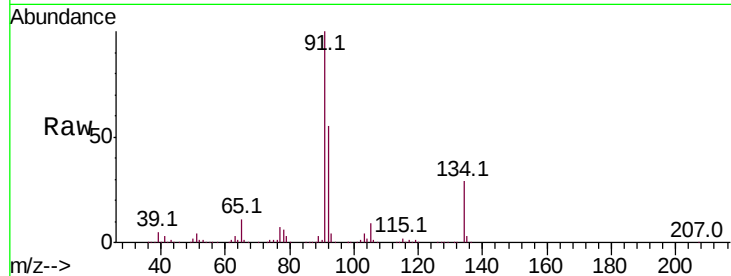
#89
n-Butylbenzene
Concen: 51.834 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.2	27.7	83.1	
134	29.2	13.9	41.6	

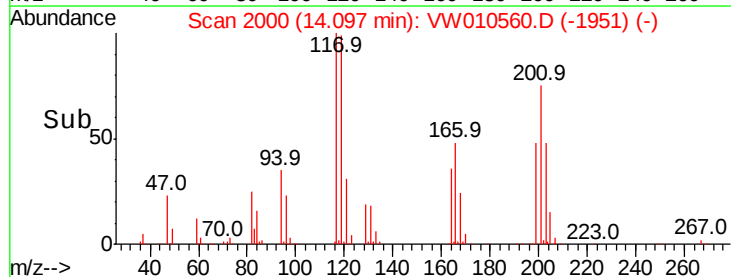
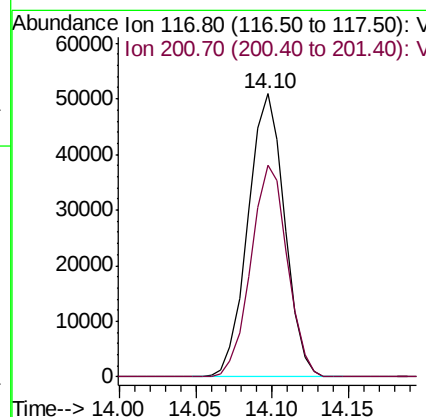
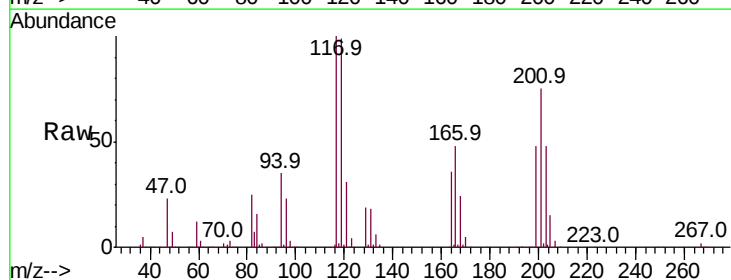
Manual Integrations
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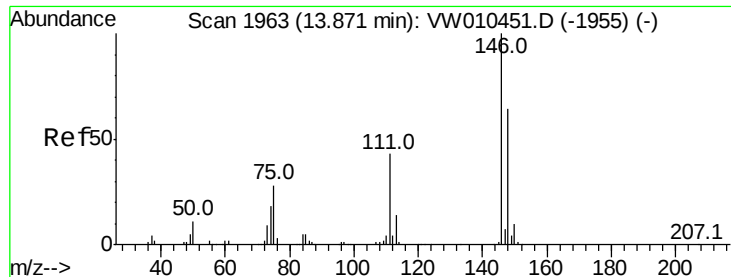
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5/29/2019 11:05:27 AM



#90
Hexachloroethane
Concen: 53.793 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.8	34.6	103.8	





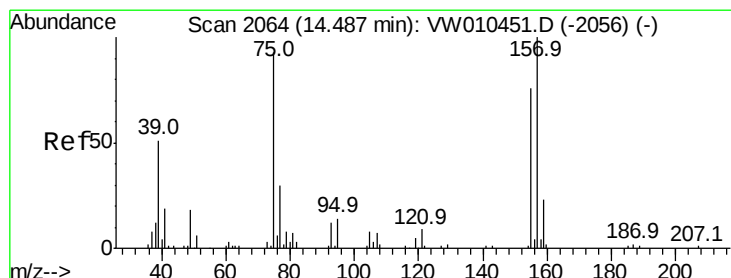
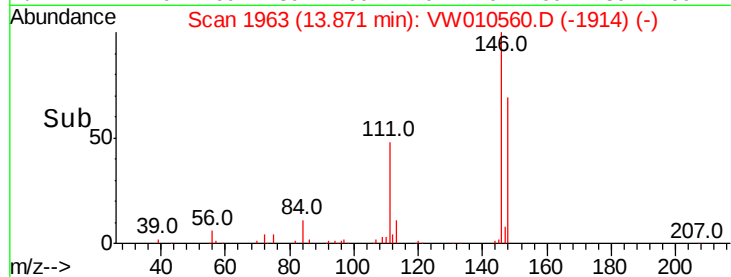
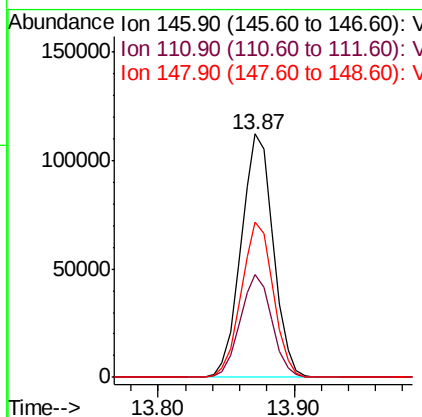
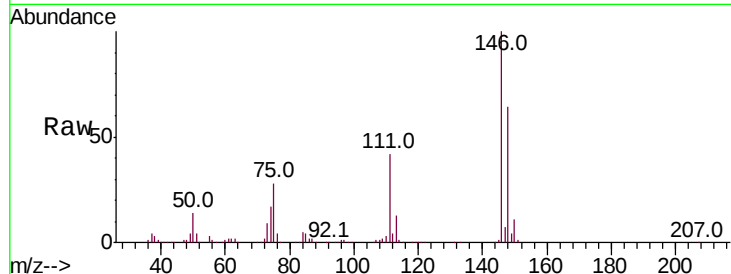
#91
 1,2-Dichlorobenzene
 Concen: 53.143 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	64.0
148	63.5	32.0	96.0

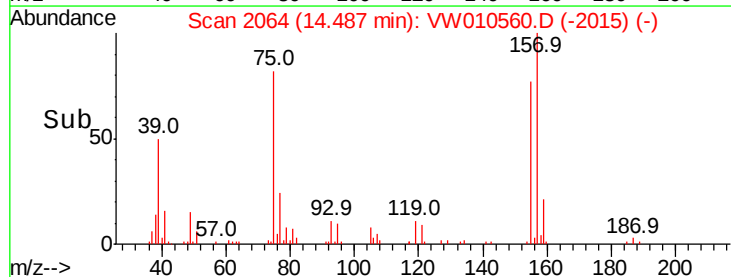
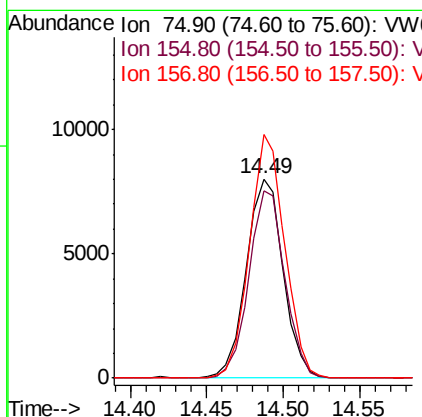
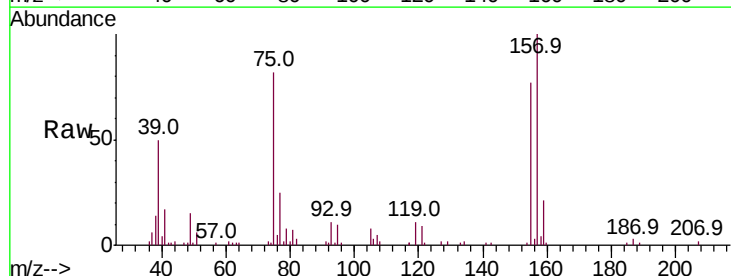
Manual Integrations
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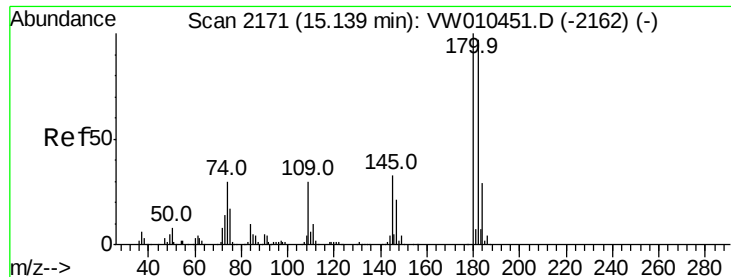
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.566 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	43.0	129.0
157	116.8	55.7	167.1





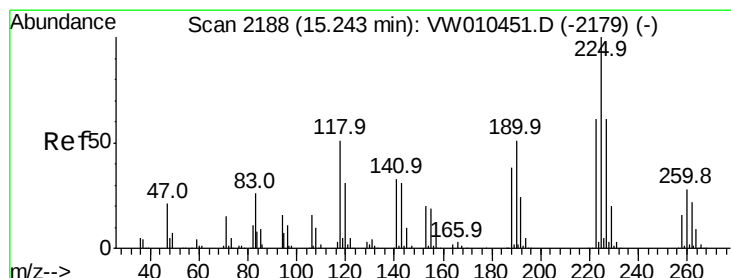
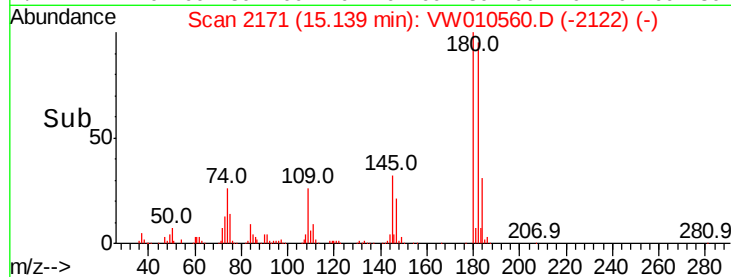
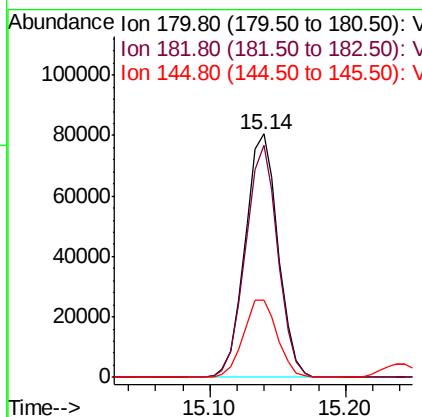
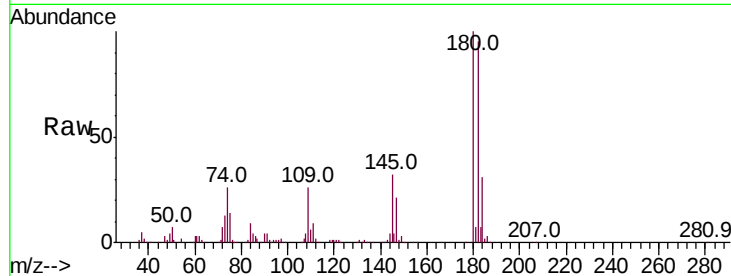
#93
 1,2,4-Trichlorobenzene
 Concen: 57.702 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	47.0	141.2	
145	32.6	16.7	50.0	

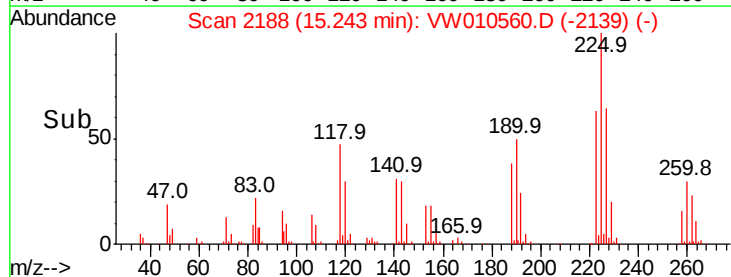
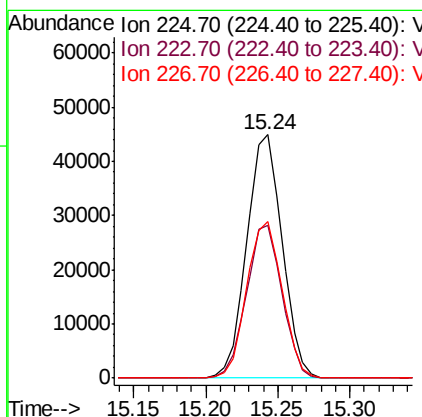
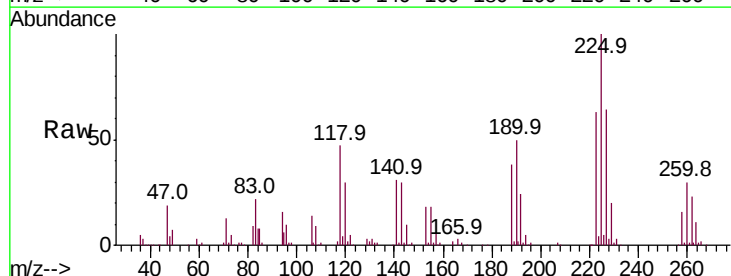
Manual Integrations
 APPROVED

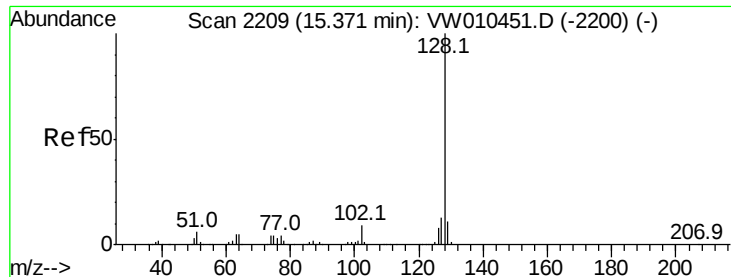
MMDadoda
 5/29/2019 11:05:27 AM



#94
 Hexachlorobutadiene
 Concen: 60.395 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010560.D
 Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.1	93.2	
227	64.3	31.1	93.5	





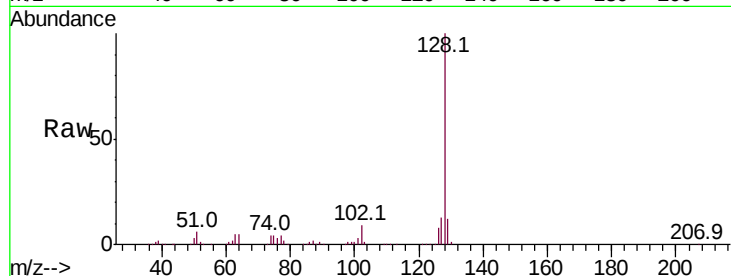
#95
Naphthalene
Concen: 50.399 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

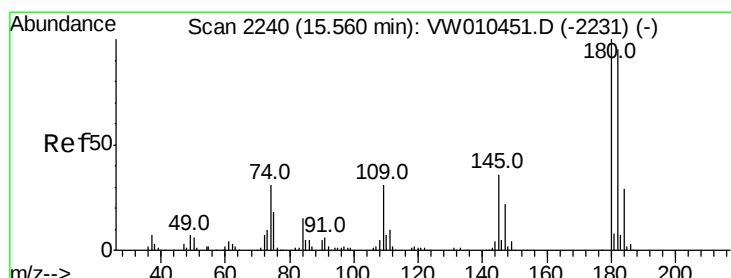
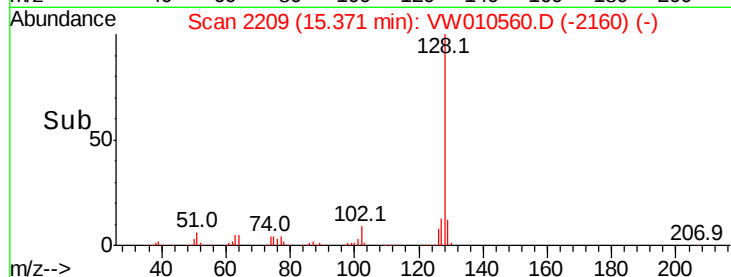
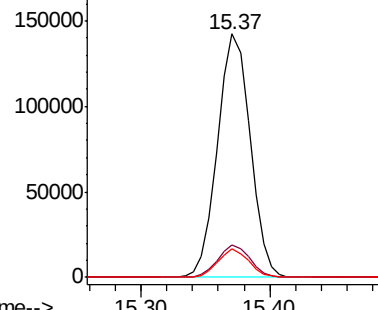
Tot Ion	Ratio	Resp	Lower	Upper
128	100	250179		
127	12.9	10.6	15.8	
129	11.0	8.9	13.3	

Manual Integrations
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MMDadoda
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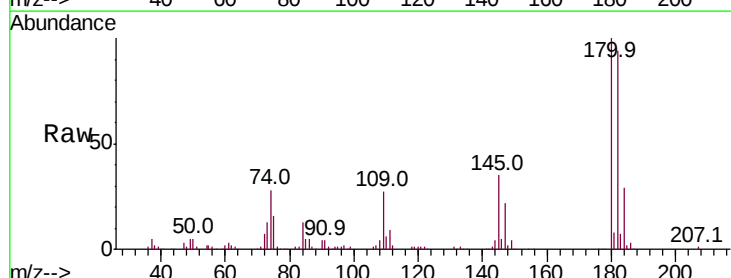


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 57.294 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010560.D
Acq: 28 May 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116583		
182	94.0	47.1	141.3	
145	34.4	17.4	52.3	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

