

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052119\
 Data File : VW010498.D
 Acq On : 21 May 2019 20:31
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:55:14 AM

Quant Time: May 22 07:40:22 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	129066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	227184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	63892	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	7.88	113	65230	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.32	98	240678	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.62	95	93147	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	56064	48.751	ug/l	98
3) Chloromethane	2.21	50	62500	46.089	ug/l	99
4) Vinyl Chloride	2.35	62	70069	44.608	ug/l	98
5) Bromomethane	2.75	94	51848	47.981	ug/l	99
6) Chloroethane	2.90	64	47786	47.391	ug/l	97
7) Trichlorofluoromethane	3.25	101	115731	49.905	ug/l	96
8) Diethyl Ether	3.68	74	39554	53.807	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	69863	48.919	ug/l	100
10) Methyl Iodide	4.27	142	80570	49.358	ug/l	99
11) Tert butyl alcohol	5.17	59	32450	270.803	ug/l	99
12) 1,1-Dichloroethene	4.04	96	66814	49.010	ug/l	96
13) Acrolein	3.90	56	22813	334.244	ug/l	100
14) Allyl chloride	4.67	41	100018	50.685	ug/l	100
15) Acrylonitrile	5.37	53	83592	271.522	ug/l	100
16) Acetone	4.12	43	70173	258.058	ug/l	99
17) Carbon Disulfide	4.38	76	200277	49.253	ug/l	100
18) Methyl Acetate	4.67	43	38276	57.553	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	192473	55.381	ug/l	96
20) Methylene Chloride	4.92	84	76431	47.666	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	80582	51.532	ug/l	97
22) Diisopropyl ether	6.31	45	212630	52.550	ug/l	100
23) Vinyl Acetate	6.26	43	646242	267.373	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126865	52.540	ug/l	99
25) 2-Butanone	7.17	43	108253	278.175	ug/l	98
26) 2,2-Dichloropropane	7.16	77	109385	47.557	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	91179	53.634	ug/l	97
28) Bromochloromethane	7.51	49	51881	60.011	ug/l	96
29) Tetrahydrofuran	7.53	42	71633	272.026	ug/l	99
30) Chloroform	7.68	83	138761	53.277	ug/l	99
31) Cyclohexane	7.95	56	115307	45.588	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	127578	51.250	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103424	48.869	ug/l	100
37) Ethyl Acetate	7.25	43	49207	54.677	ug/l	100
38) Carbon Tetrachloride	8.07	117	113045	49.516	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	135570	47.814	ug/l	96
40) Benzene	8.32	78	303785	51.645	ug/l	100
41) Methacrylonitrile	7.48	41	27534	51.491	ug/l	98
42) 1,2-Dichloroethane	8.40	62	90014	53.541	ug/l	100
43) Isopropyl Acetate	8.43	43	95706	53.231	ug/l	100
44) Trichloroethene	9.09	130	88347	50.591	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72705	52.043	ug/l	100
46) Dibromomethane	9.46	93	44108	53.987	ug/l	98
47) Bromodichloromethane	9.64	83	107161	52.194	ug/l	98
48) Methyl methacrylate	9.43	41	43751	53.191	ug/l	98
49) 1,4-Dioxane	9.45	88	14467	1083.972	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	245699	269.686	ug/l	100
52) Toluene	10.39	92	204165	51.683	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	108365	52.115	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	124381	52.377	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	64815	55.168	ug/l	98
56) Ethyl methacrylate	10.65	69	87618	54.074	ug/l	97
57) 1,3-Dichloropropane	10.93	76	107592	54.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	194396	270.863	ug/l	98
59) 2-Hexanone	10.97	43	173327	266.699	ug/l	99
60) Dibromochloromethane	11.13	129	79635	53.558	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65041	54.651	ug/l	99
64) Tetrachloroethene	10.86	164	73140	50.873	ug/l	97
65) Chlorobenzene	11.66	112	225265	51.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	81087	51.498	ug/l	99
67) Ethyl Benzene	11.73	91	381351	49.140	ug/l	98
68) m/p-Xylenes	11.84	106	301981	99.209	ug/l	100
69) o-Xylene	12.16	106	145694	50.519	ug/l	99
70) Styrene	12.18	104	249681	51.026	ug/l	100
71) Bromoform	12.35	173	45027	51.929	ug/l #	100
73) Isopropylbenzene	12.46	105	383748	47.431	ug/l	100
74) N-amyl acetate	12.27	43	91181	49.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	75943	51.606	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52349m	50.582	ug/l	
77) Bromobenzene	12.75	156	91256	50.403	ug/l	100
78) n-propylbenzene	12.80	91	440462	46.715	ug/l	100
79) 2-Chlorotoluene	12.90	91	262338	47.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	330181	48.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24045	48.489	ug/l	98
82) 4-Chlorotoluene	12.99	91	272879	48.081	ug/l	100
83) tert-Butylbenzene	13.21	119	279356	46.672	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	328788	48.176	ug/l	99
85) sec-Butylbenzene	13.38	105	387639	46.278	ug/l	100
86) p-Isopropyltoluene	13.50	119	352404	46.481	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	172790	48.644	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	178365	50.047	ug/l	100
89) n-Butylbenzene	13.83	91	326711	45.304	ug/l	100
90) Hexachloroethane	14.10	117	68570	46.726	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	162199	50.114	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13689	50.027	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106200	48.226	ug/l	99
94) Hexachlorobutadiene	15.24	225	54333	46.185	ug/l	98
95) Naphthalene	15.37	128	236440	51.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	93824	49.515	ug/l	98

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

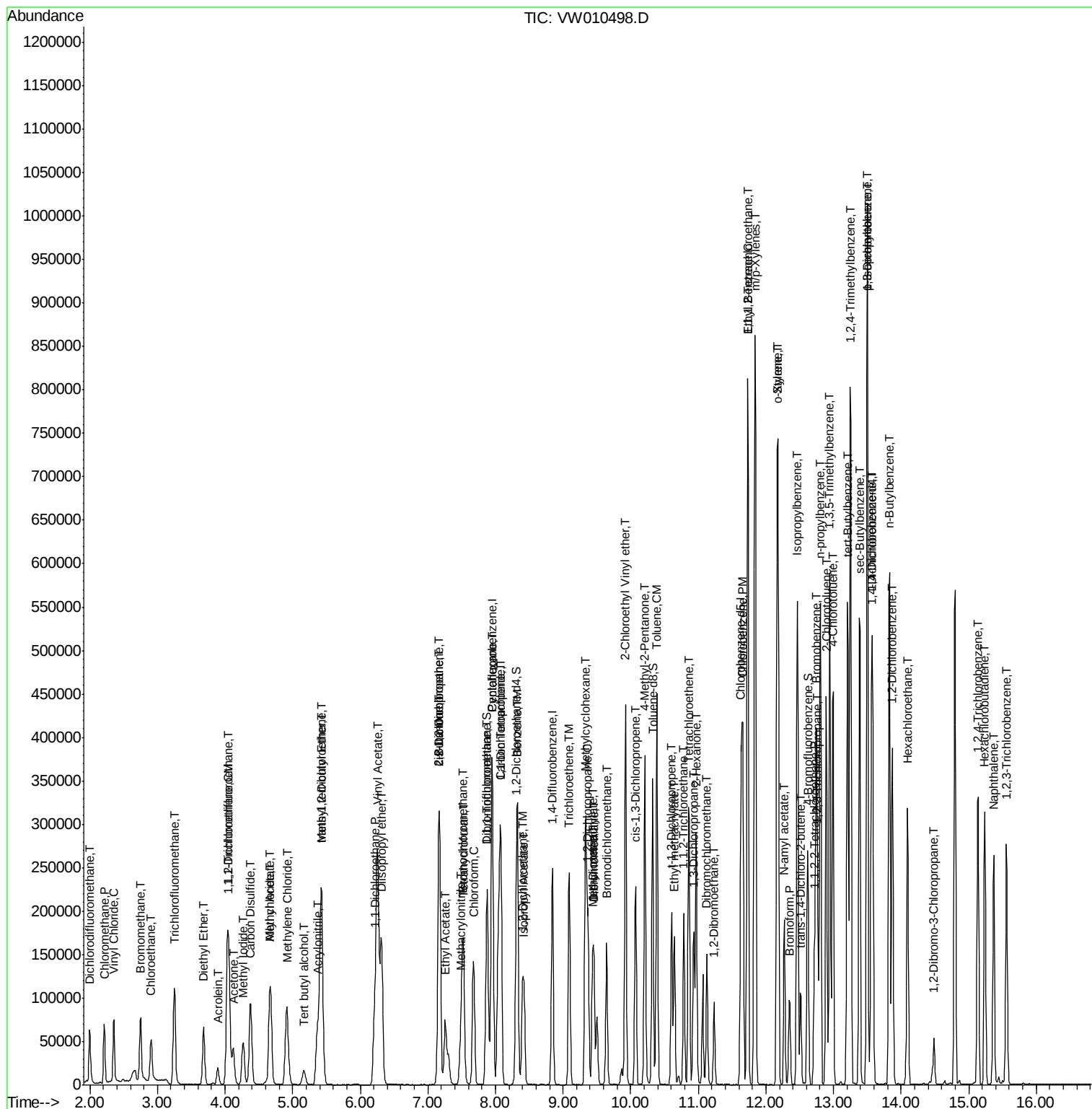
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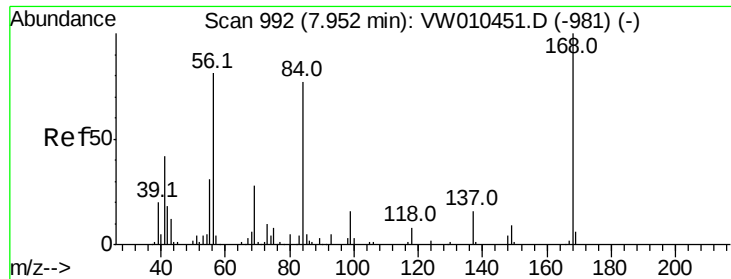
Instrument :
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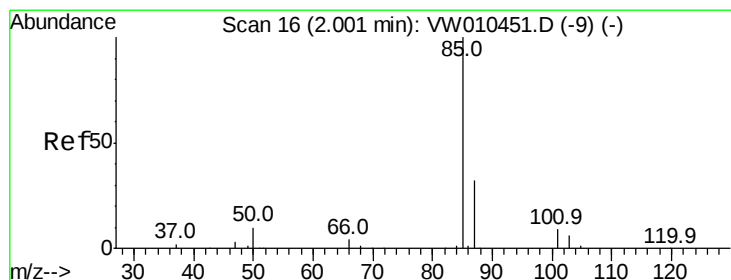
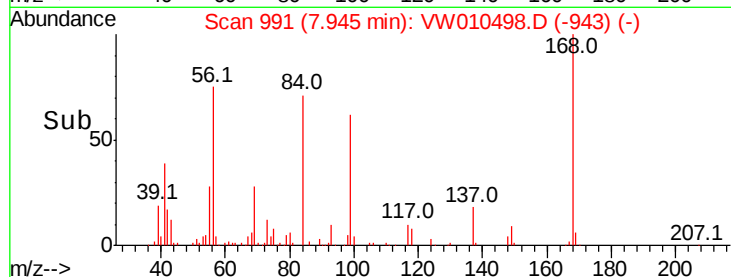
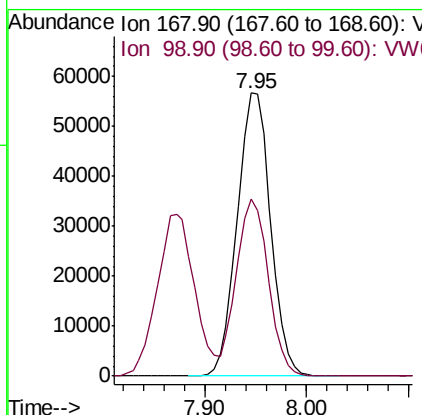
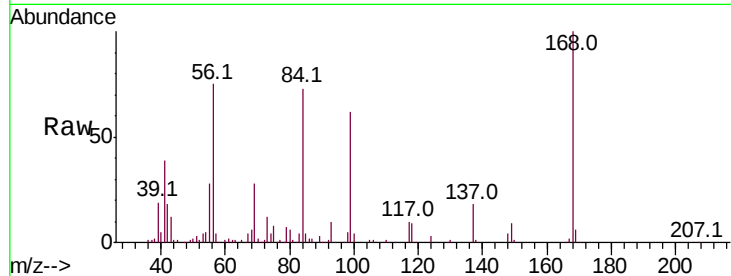
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	62.4	46.1	69.1

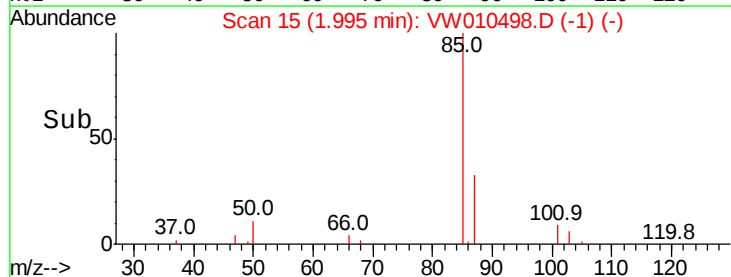
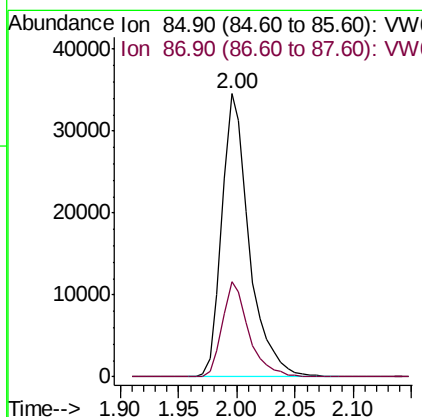
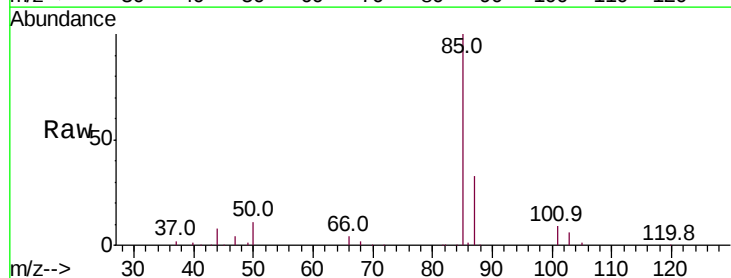
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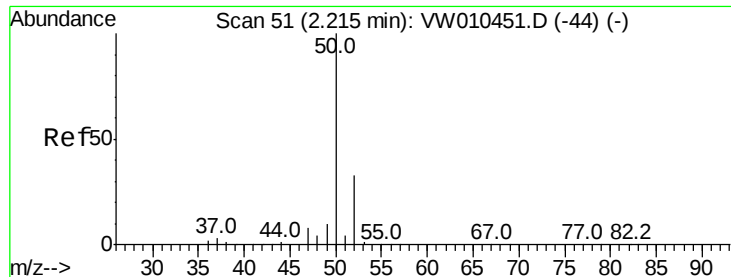
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#2
Dichlorodifluoromethane
Concen: 48.751 ug/l
RT: 2.00 min Scan# 15
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.3	48.8





#3

Chloromethane

Concen: 46.089 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 62500

Ion Ratio Lower Upper

50 100

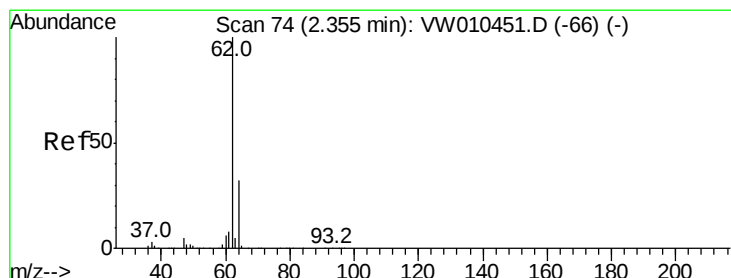
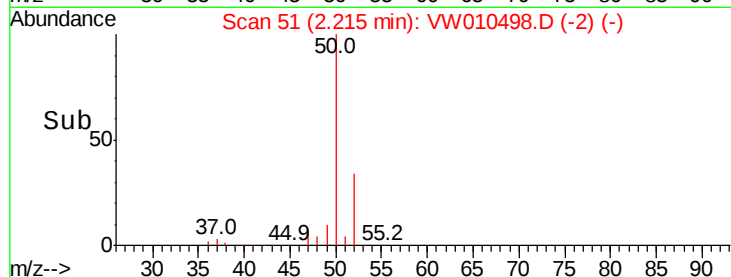
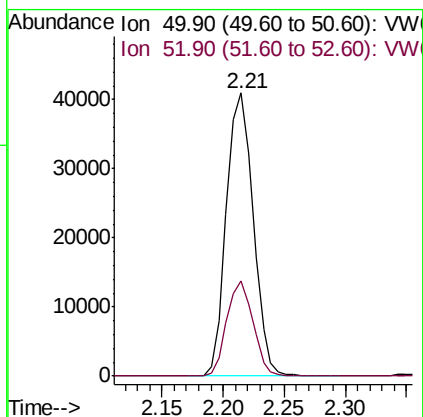
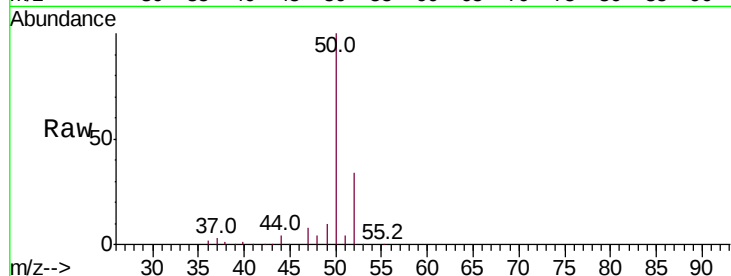
52 33.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.608 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010498.D

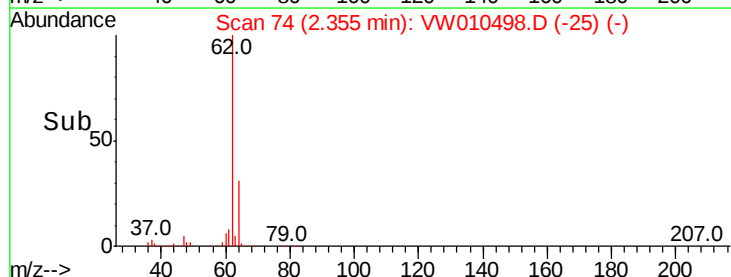
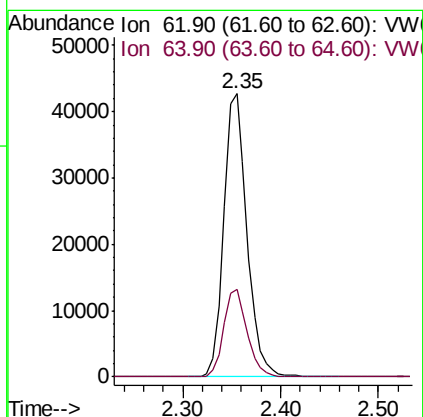
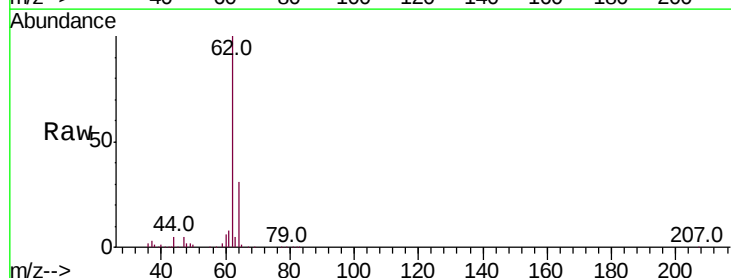
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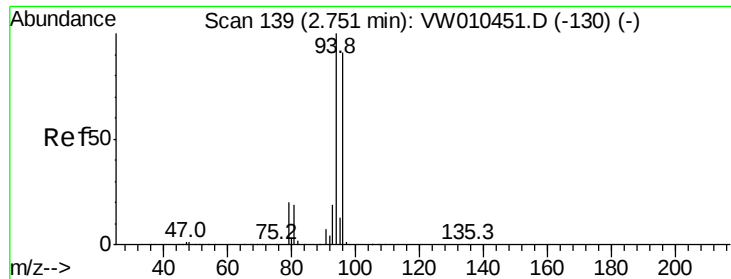
Tgt Ion: 62 Resp: 70069

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 47.981 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 51848

Ion Ratio Lower Upper

94 100

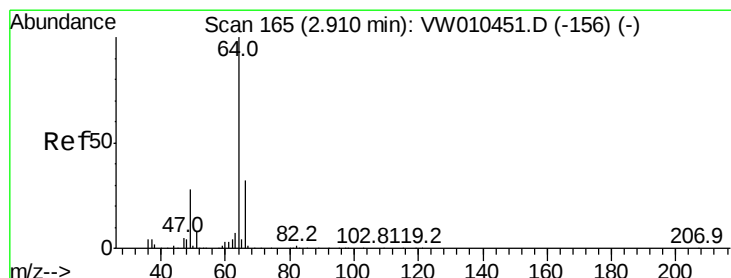
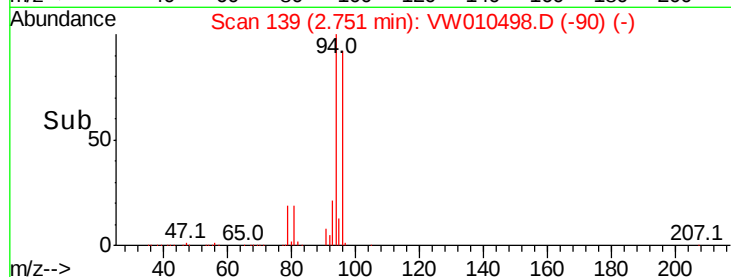
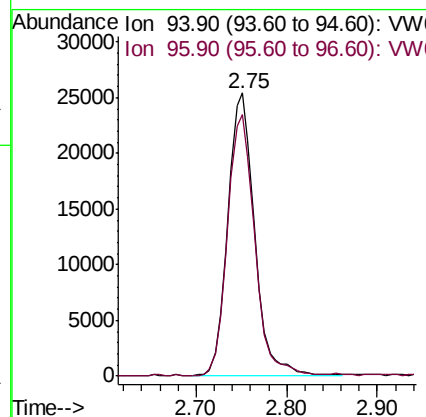
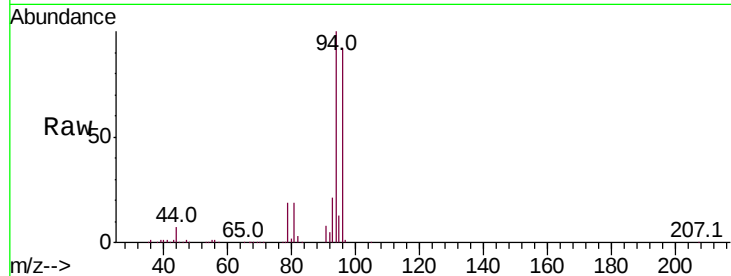
96 92.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 47.391 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010498.D

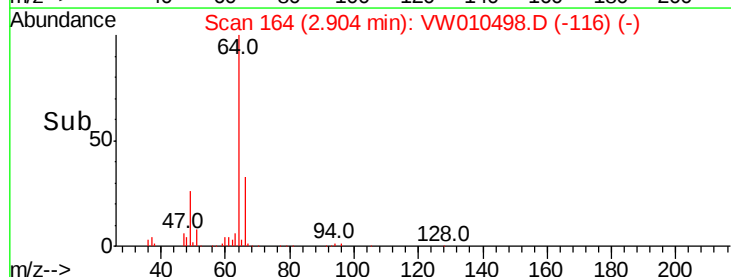
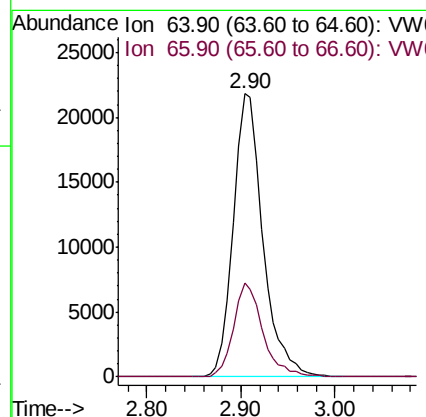
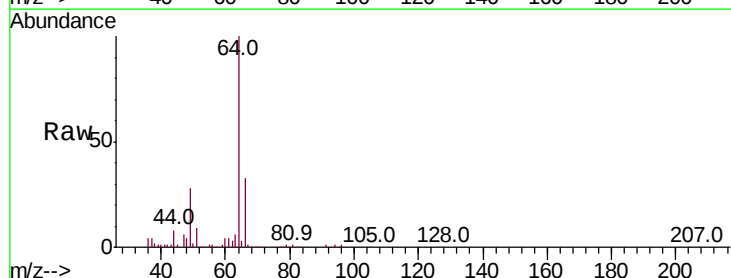
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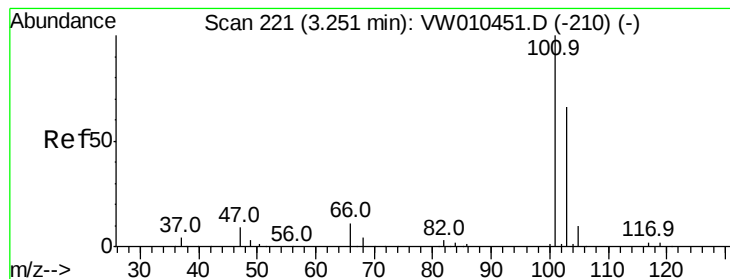
Tgt Ion: 64 Resp: 47786

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3





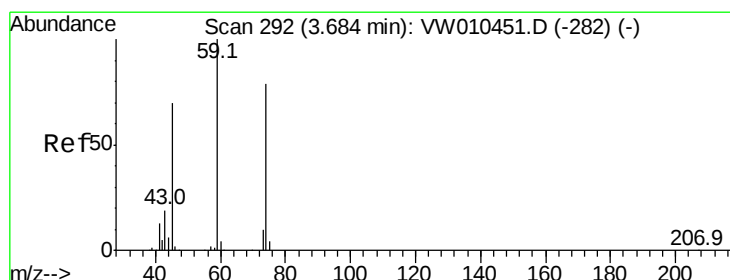
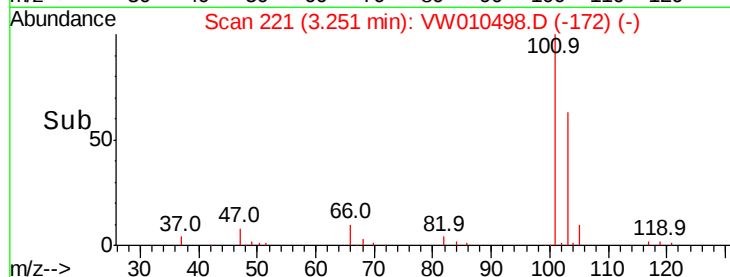
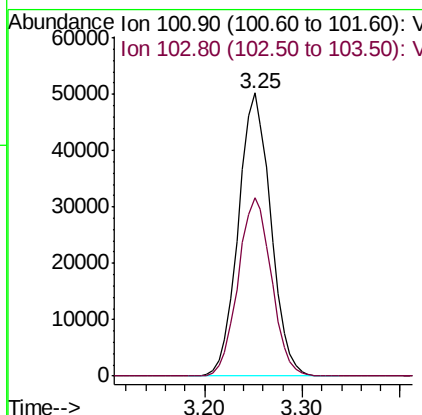
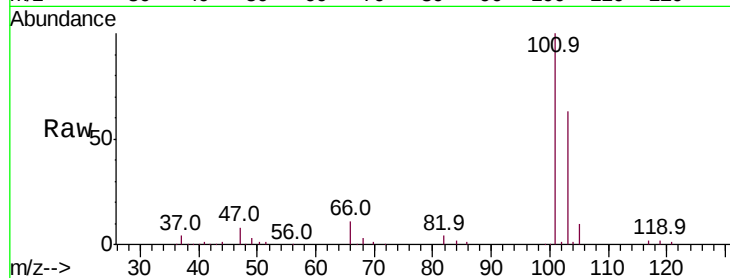
#7
 Trichlorofluoromethane
 Concen: 49.905 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
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Tot Ion:101 Resp: 115731
 Ion Ratio Lower Upper
 101 100
 103 62.9 53.0 79.4

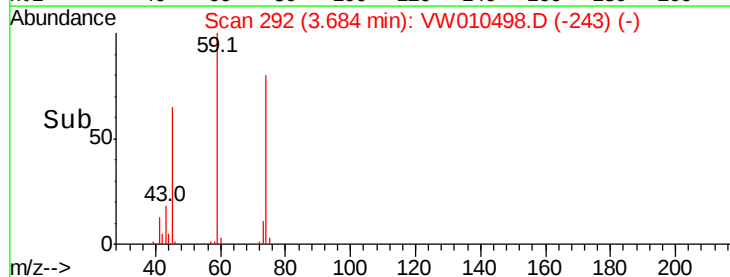
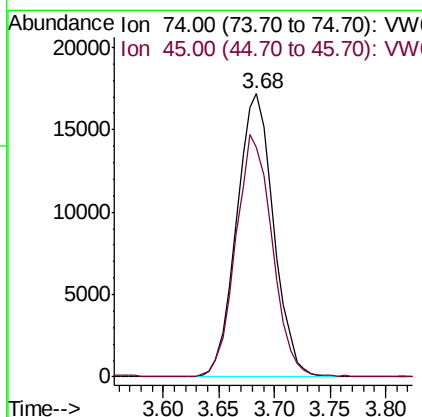
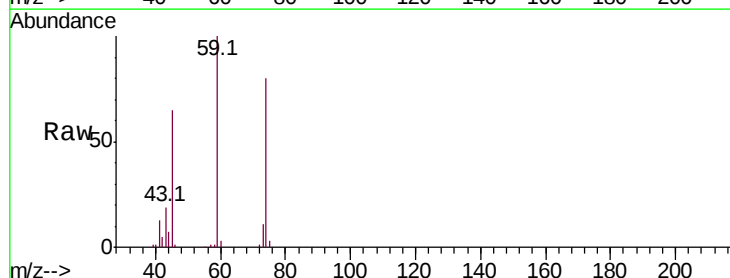
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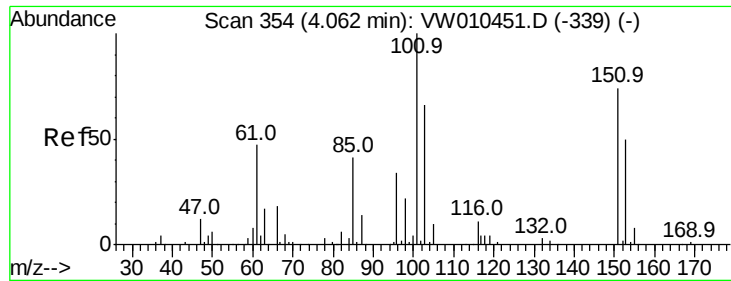
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#8
 Diethyl Ether
 Concen: 53.807 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion: 74 Resp: 39554
 Ion Ratio Lower Upper
 74 100
 45 84.7 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.919 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

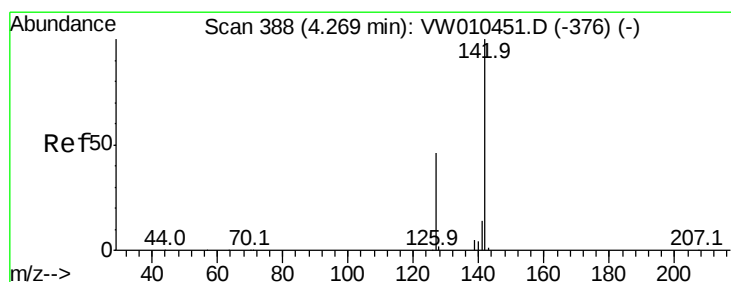
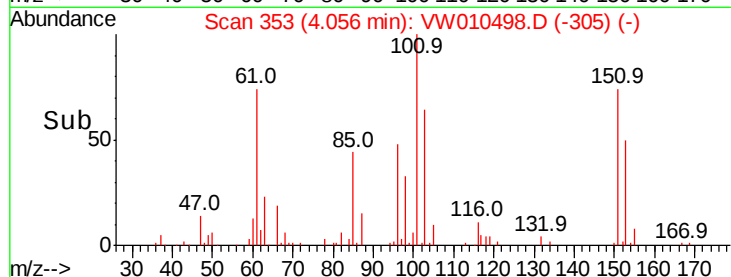
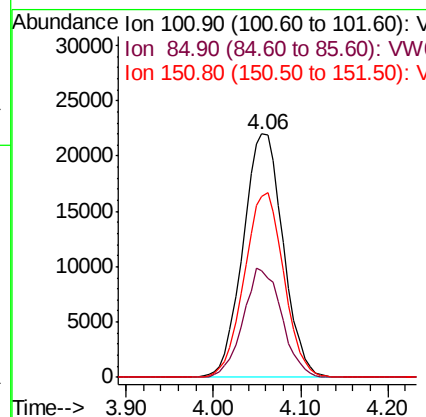
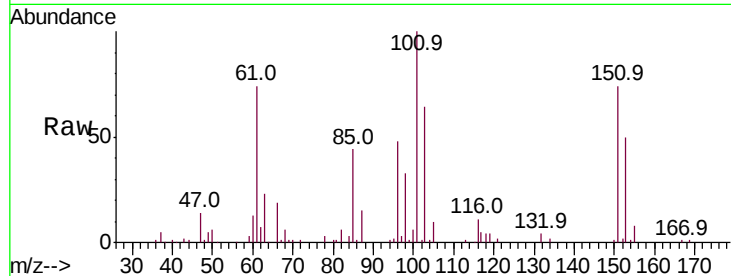
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	69863
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.3	51.5
151	75.0	60.3	90.5

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#10

Methyl Iodide

Concen: 49.358 ug/l

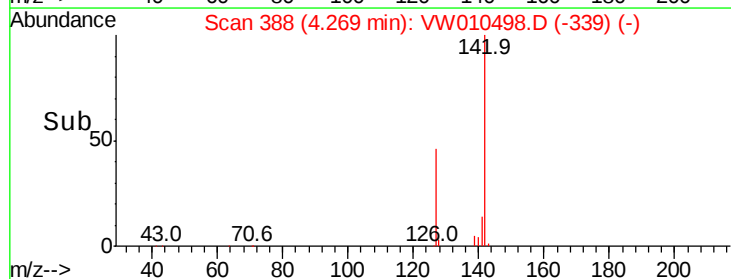
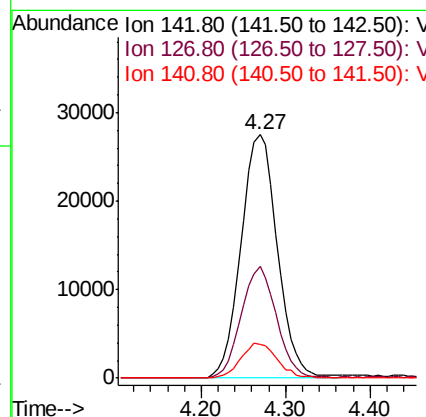
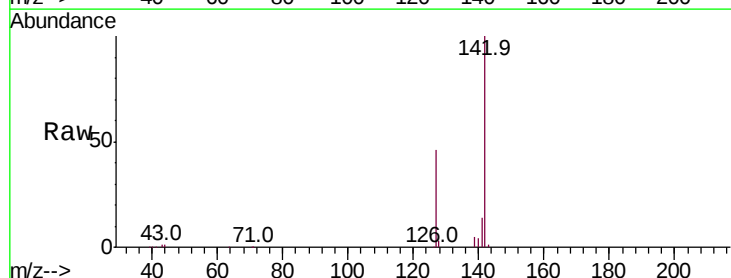
RT: 4.27 min Scan# 388

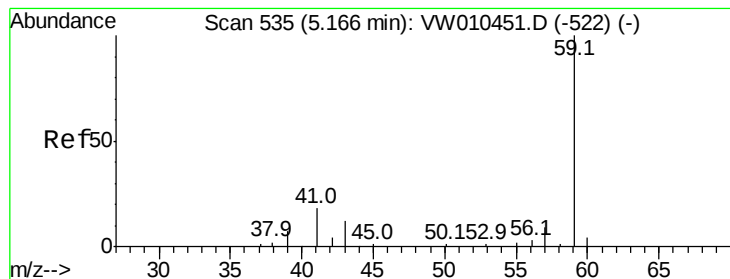
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion:	142	Resp:	80570
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.1	54.1
141	14.3	11.3	16.9





#11

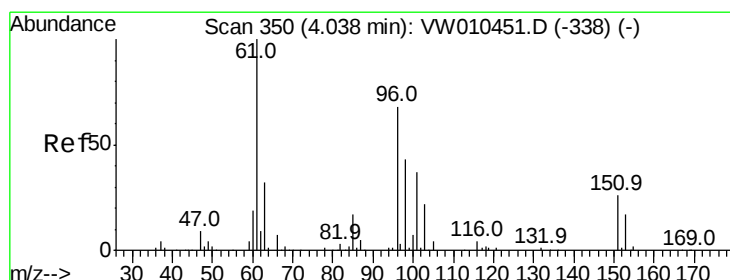
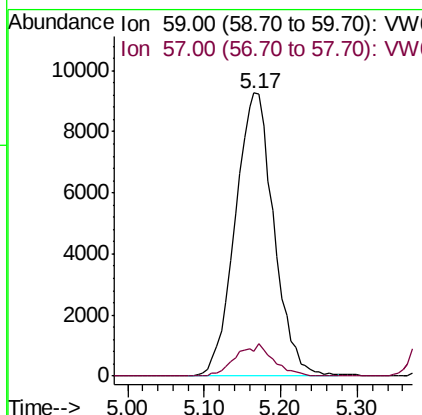
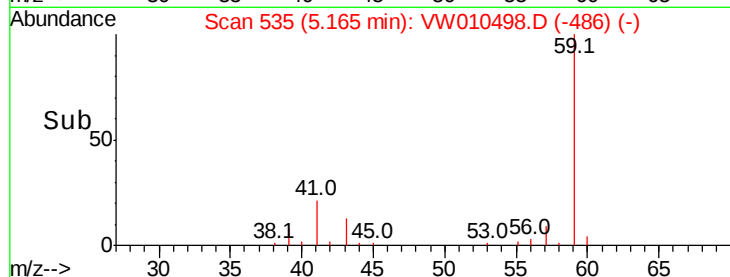
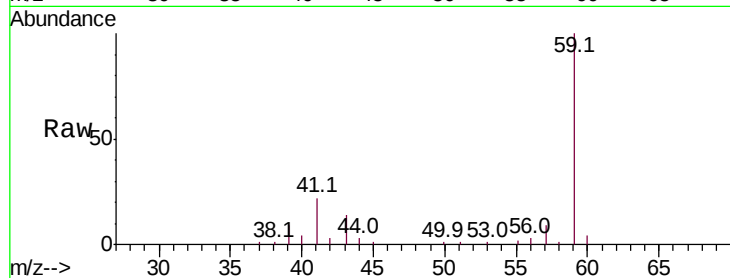
Tert butyl alcohol
 Concen: 270.803 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.8	Resp	Lower	Upper
32450								
							8.8	13.2

Manual Integrations
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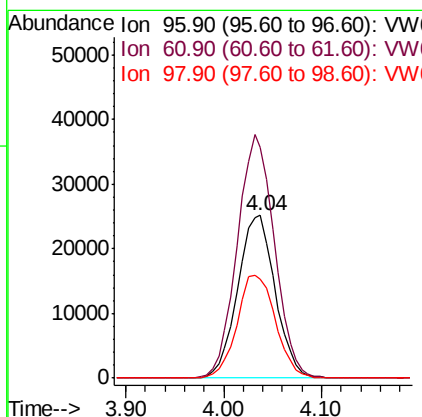
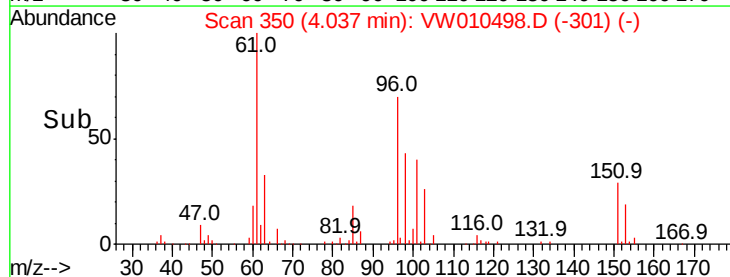
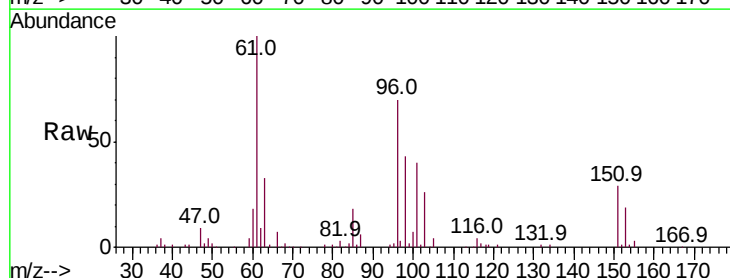
MMDadoda
 5/22/2019 11:55:14 AM

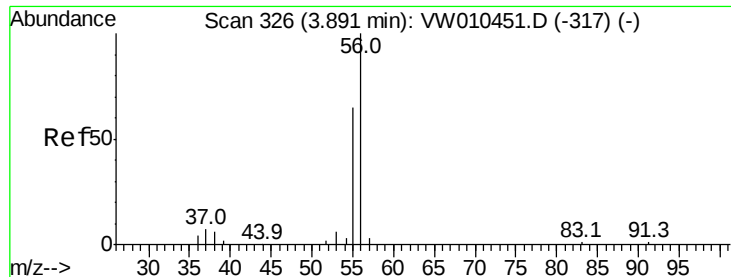


#12

1,1-Dichloroethene
 Concen: 49.010 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	96	61	98	Ratio	100	142.0	61.0	Resp	Lower	Upper
66814										
									118.3	177.5
									51.0	76.6





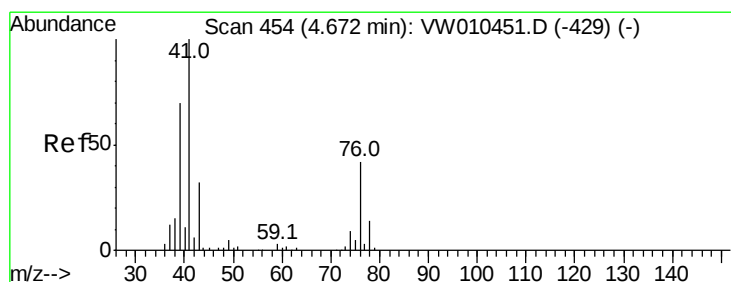
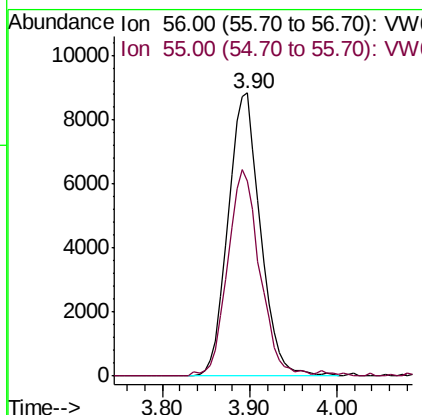
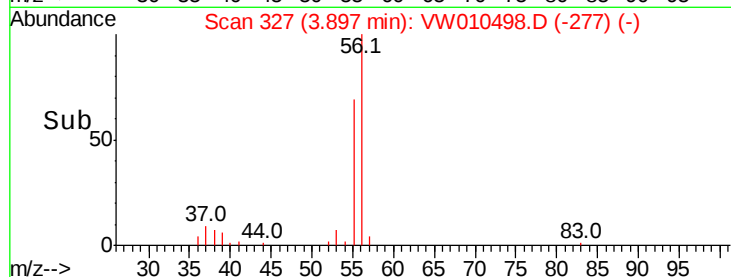
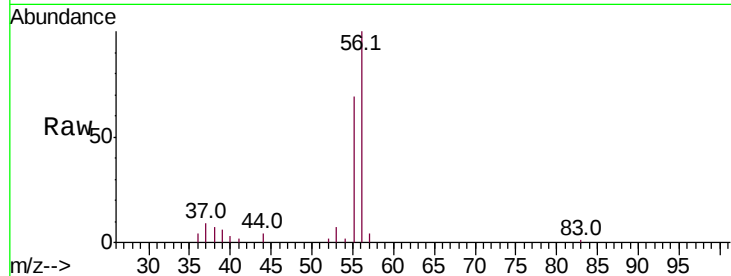
#13
 Acrolein
 Concen: 334.244 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	55	Ratio	100	72.4	Resp	22813	Lower	57.9	Upper	86.9
Ion	56	55	Ratio	100	72.4	Resp	22813	Lower	57.9	Upper	86.9

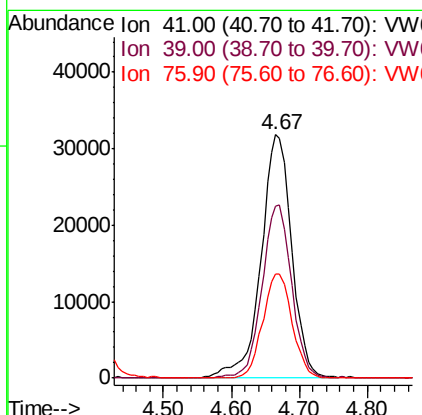
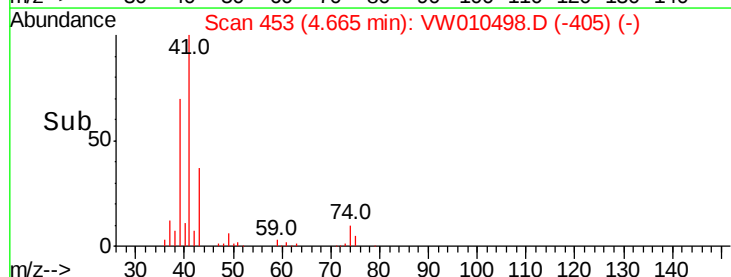
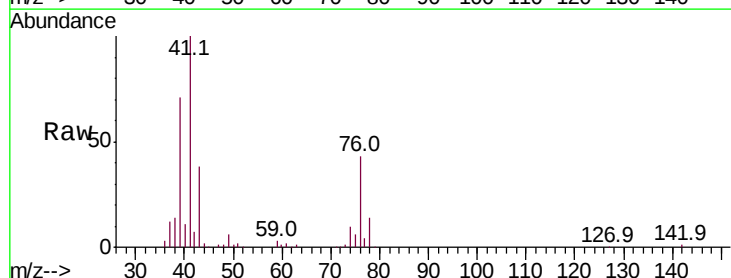
Manual Integrations
 APPROVED

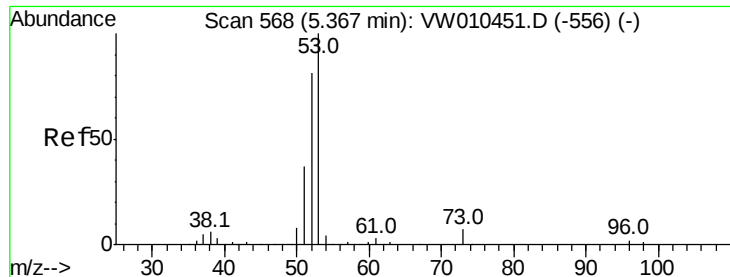
MMDadoda
 5/22/2019 11:55:14 AM



#14
 Allyl chloride
 Concen: 50.685 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	41	39	76	Ratio	100	68.8	40.9	Resp	100018	Lower	55.0	32.8	Upper	82.4	49.2
Ion	41	39	76	Ratio	100	68.8	40.9	Resp	100018	Lower	55.0	32.8	Upper	82.4	49.2





#15

Acrylonitrile

Concen: 271.522 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

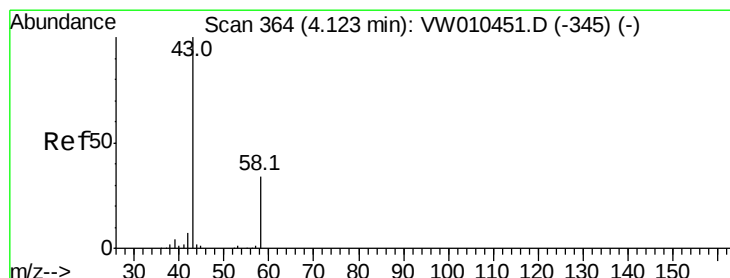
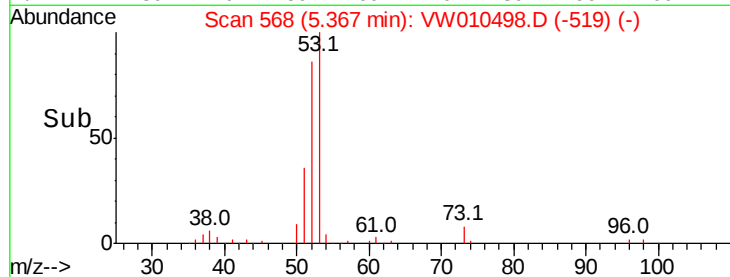
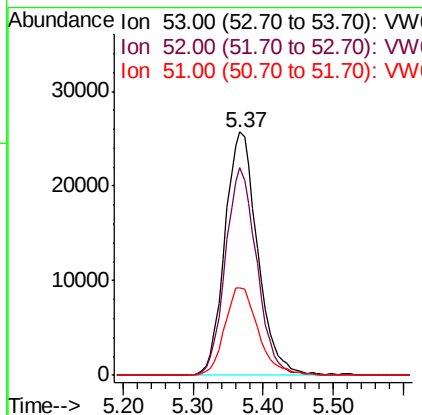
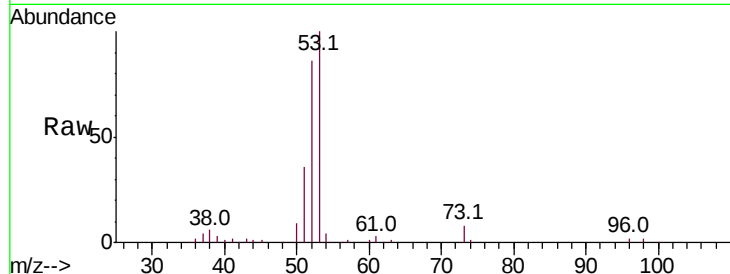
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	83592
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.6	98.4
51	37.2	29.5	44.3

Manual Integrations
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MMDadoda
5/22/2019 11:55:14 AM



#16

Acetone

Concen: 258.058 ug/l

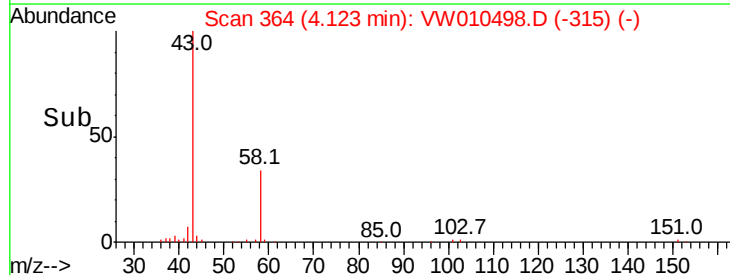
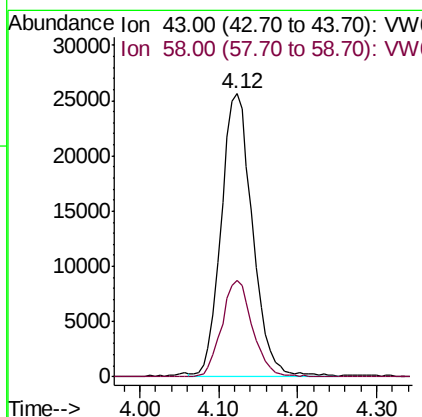
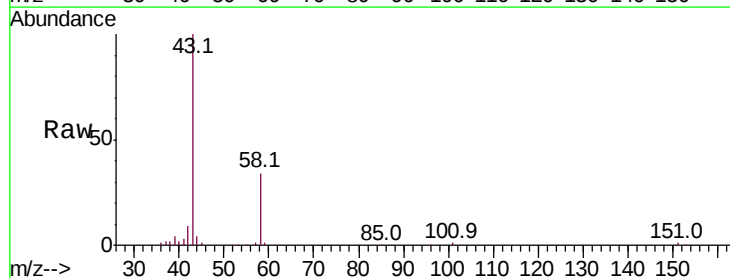
RT: 4.12 min Scan# 364

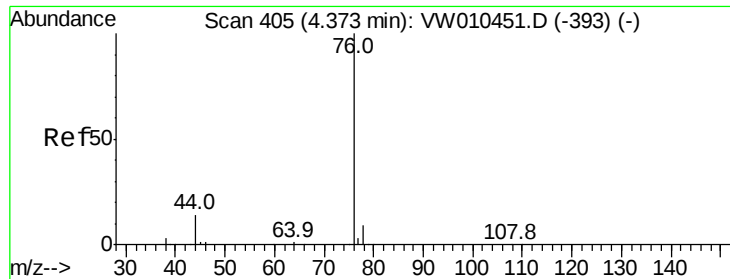
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion:	43	Resp:	70173
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.0	40.4





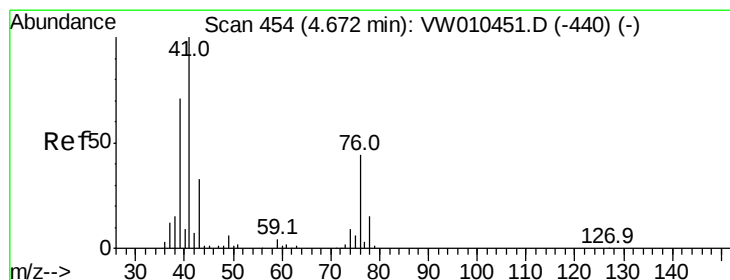
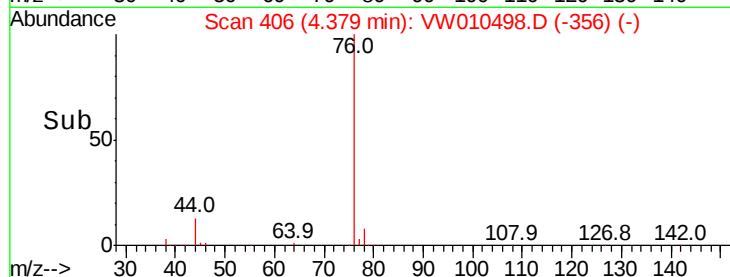
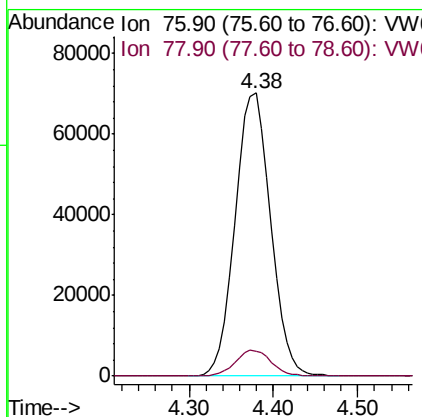
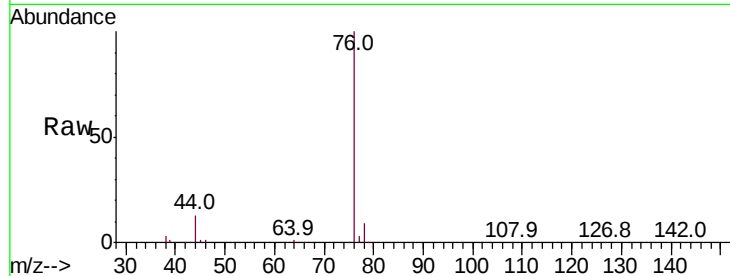
#17
Carbon Disulfide
Concen: 49.253 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

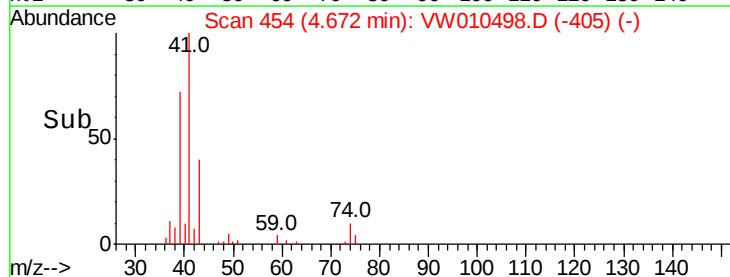
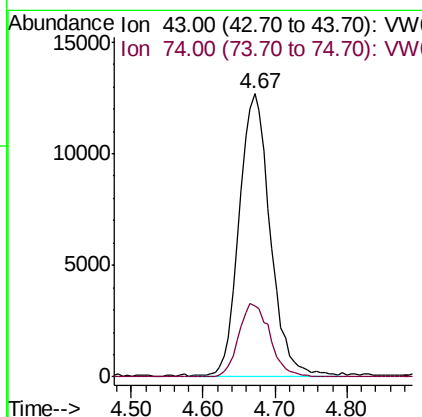
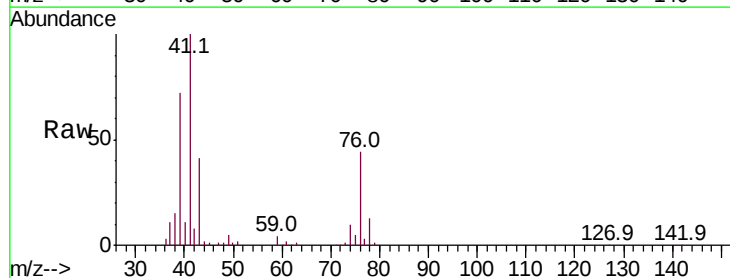
Manual Integrations
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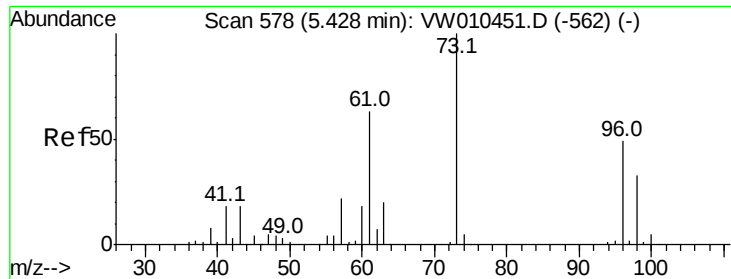
MMDadoda
5/22/2019 11:55:14 AM



#18
Methyl Acetate
Concen: 57.553 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.6	32.4





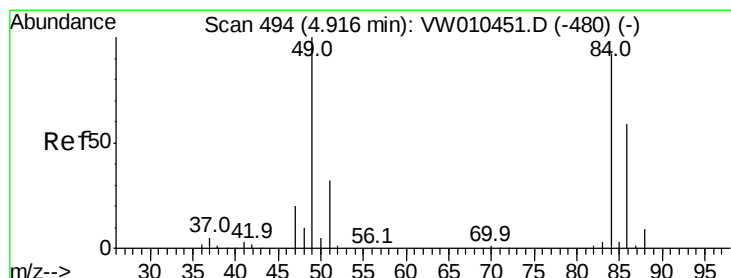
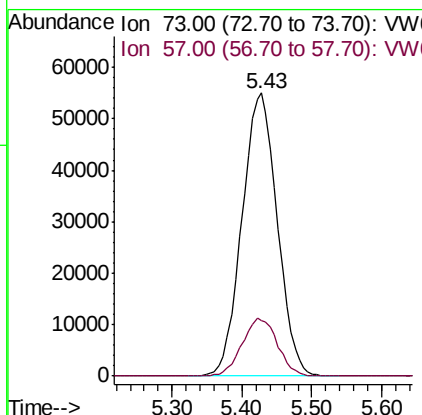
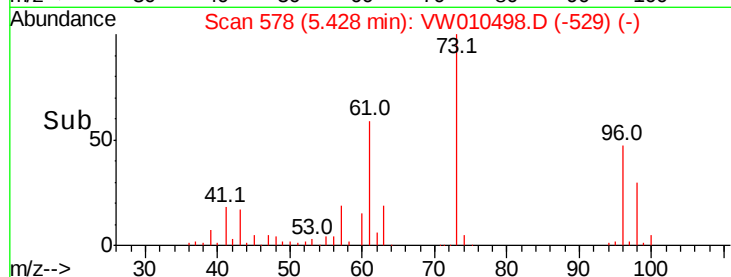
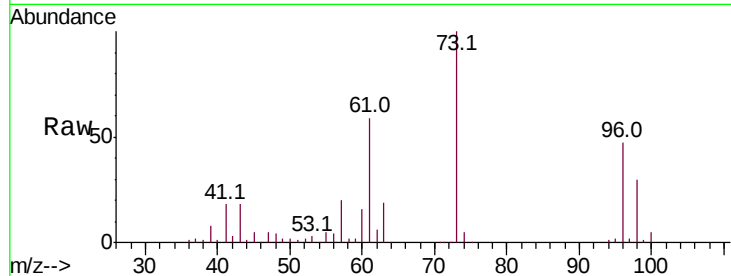
#19
Methyl tert-butyl Ether
Concen: 55.381 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.4	26.0

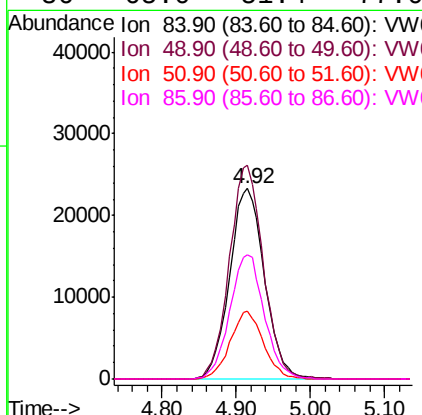
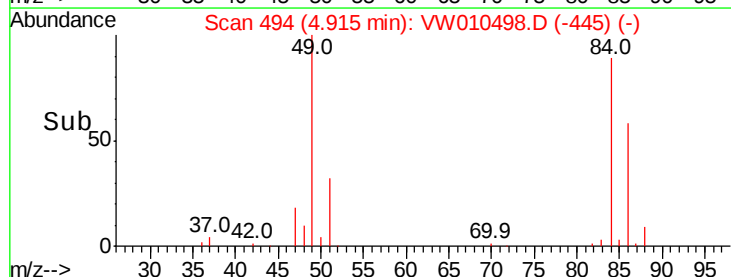
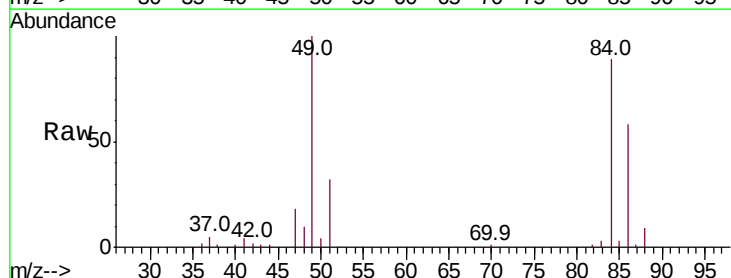
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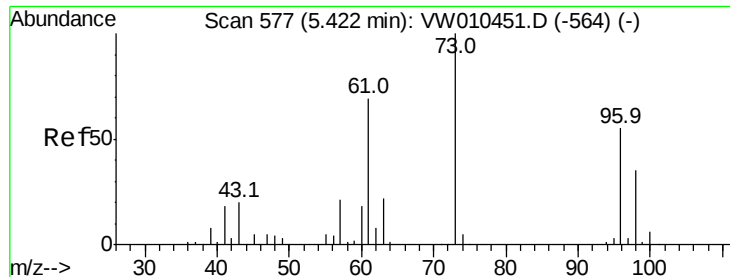
MMDadoda
5/22/2019 11:55:14 AM



#20
Methylene Chloride
Concen: 47.666 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.2	87.2	130.8
51	35.5	27.7	41.5
86	65.0	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 51.532 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 80582

Ion Ratio Lower Upper

96 100

61 123.5 101.4 152.0

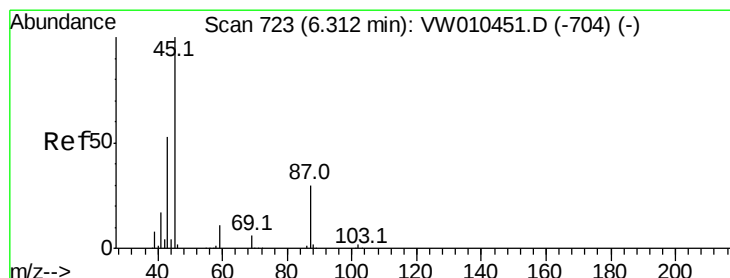
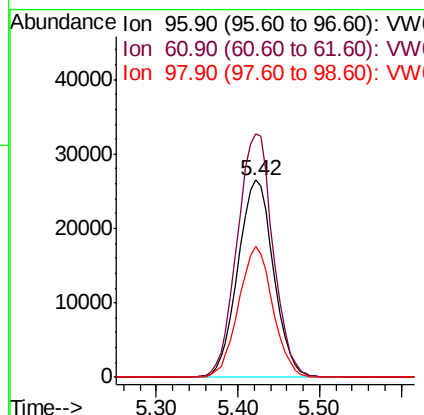
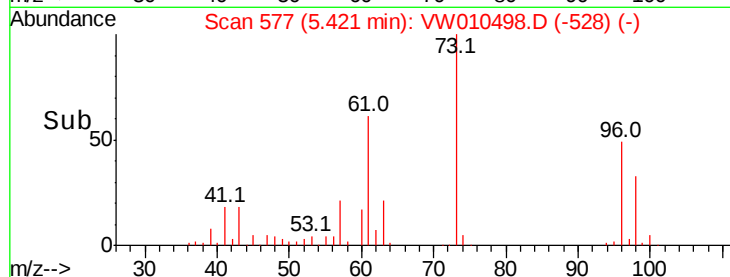
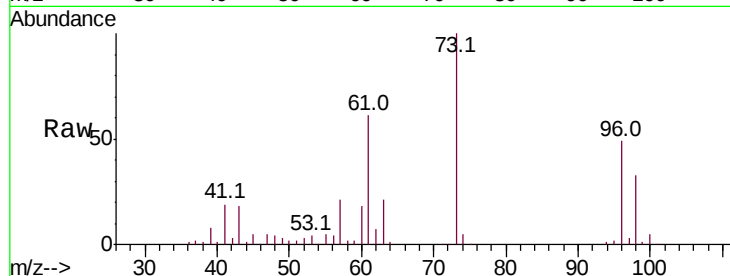
98 66.3 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.550 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion: 45 Resp: 212630

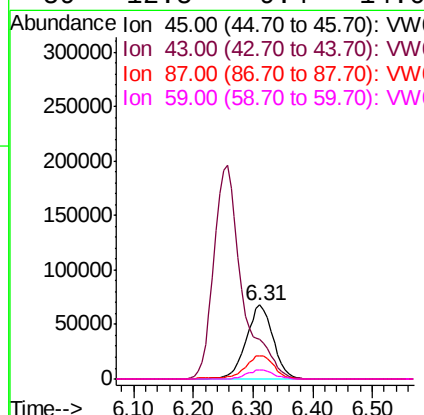
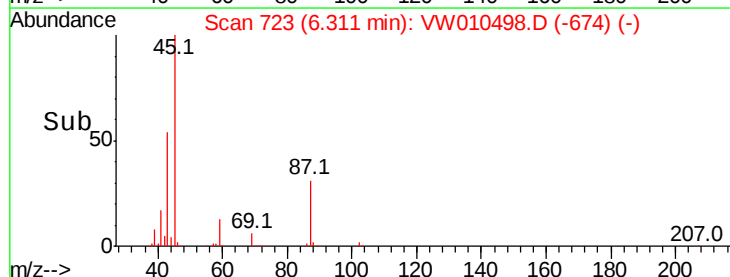
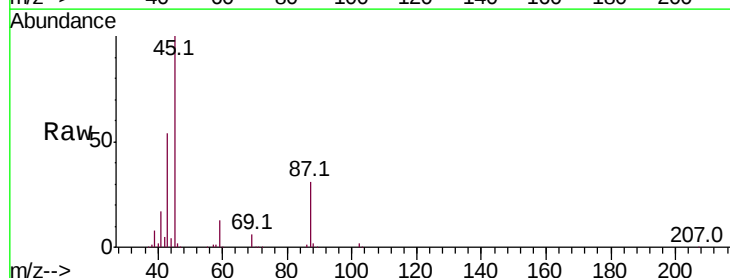
Ion Ratio Lower Upper

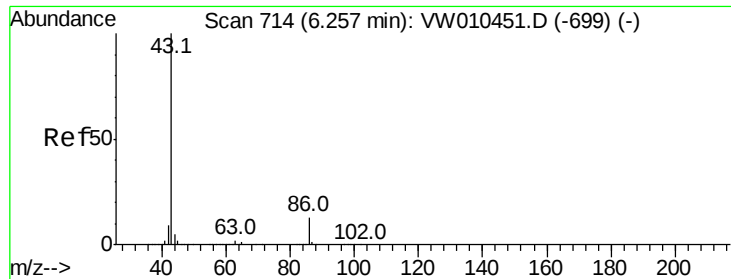
45 100

43 53.8 42.9 64.3

87 30.7 24.6 36.8

59 12.5 9.4 14.0





#23

Vinyl Acetate

Concen: 267.373 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 646242

Ion Ratio Lower Upper

43 100

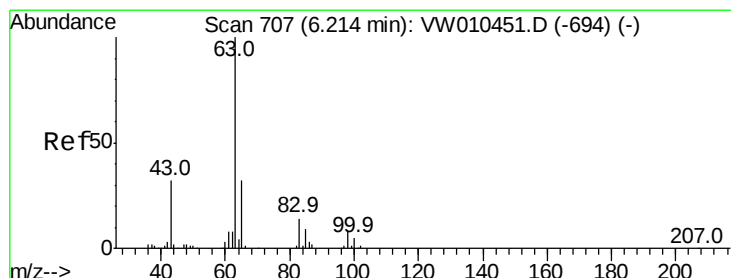
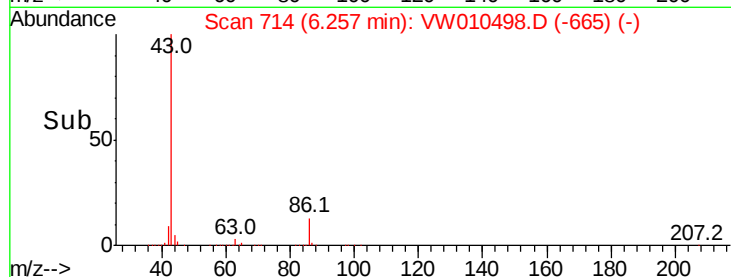
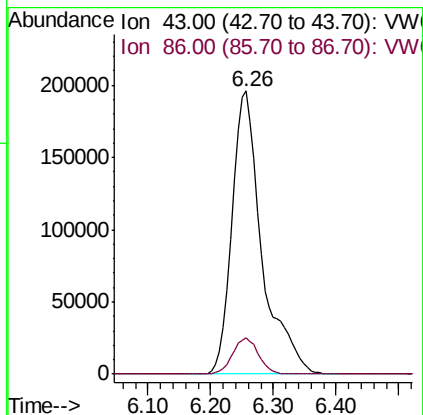
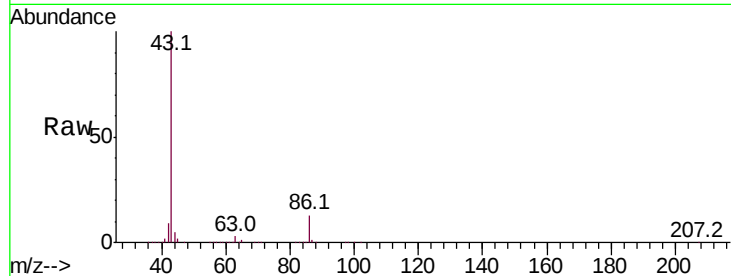
86 13.0 10.3 15.5

Manual Integrations

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MMDadoda

5/22/2019 11:55:14 AM



#24

1,1-Dichloroethane

Concen: 52.540 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

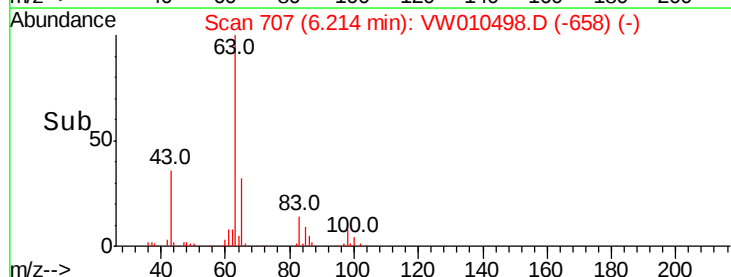
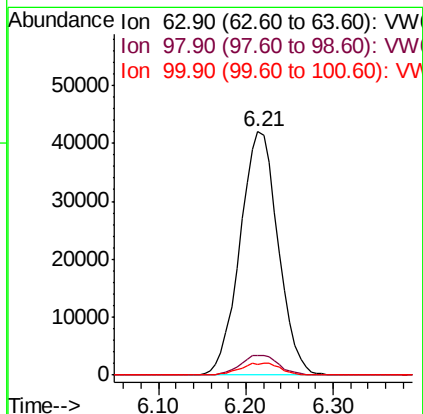
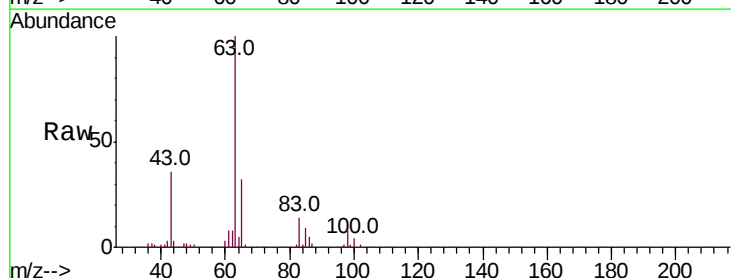
Tgt Ion: 63 Resp: 126865

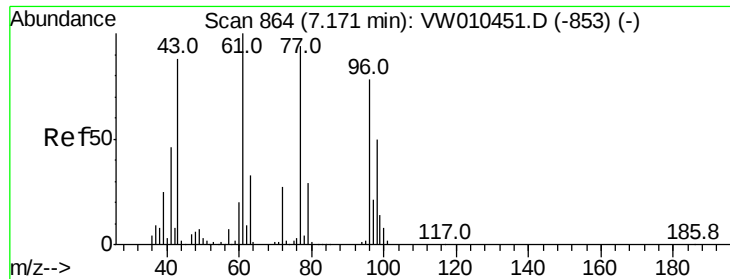
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 4.4 2.5 7.4





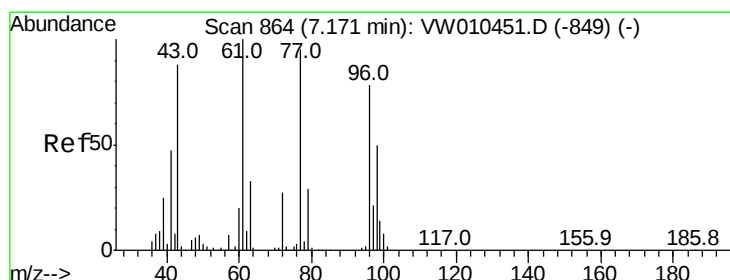
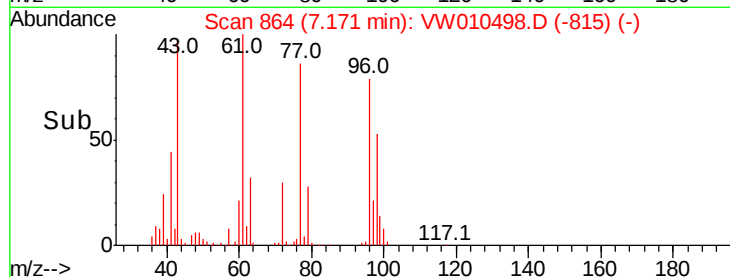
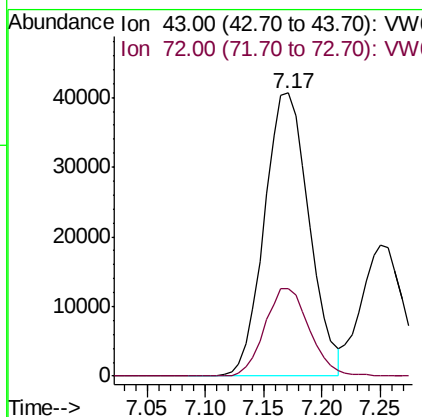
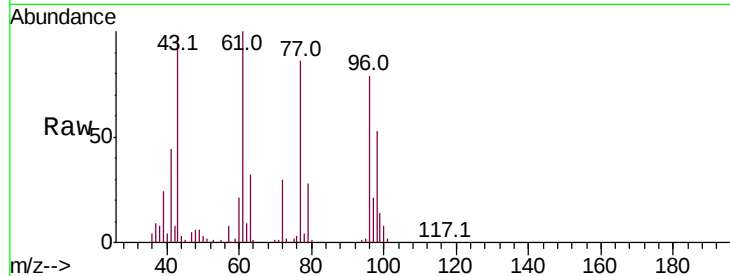
#25
2-Butanone
Concen: 278.175 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	31.0	24.1	36.1

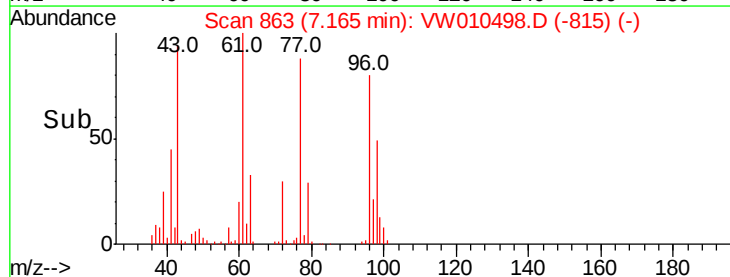
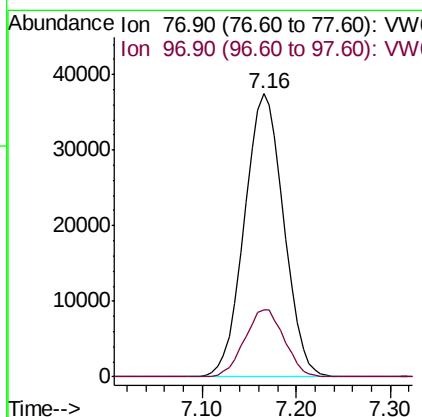
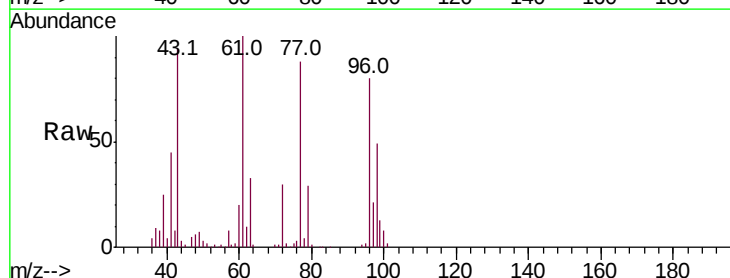
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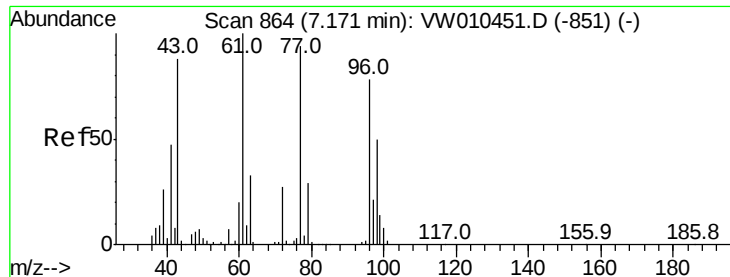
MMDadoda
5/22/2019 11:55:14 AM



#26
2,2-Dichloropropane
Concen: 47.557 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.7	35.0





#27

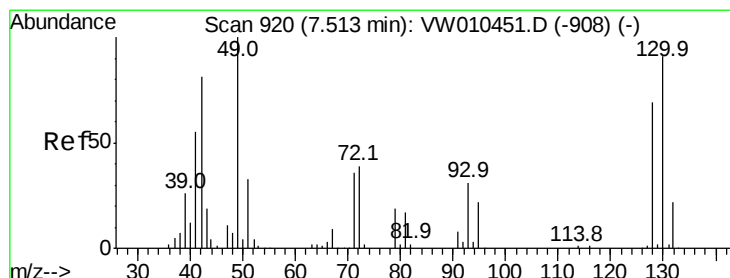
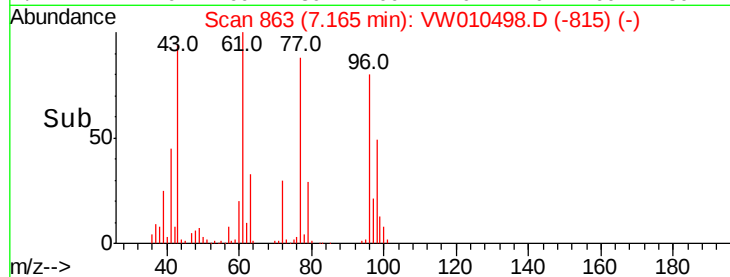
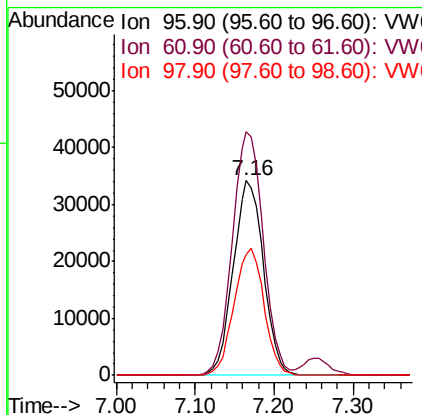
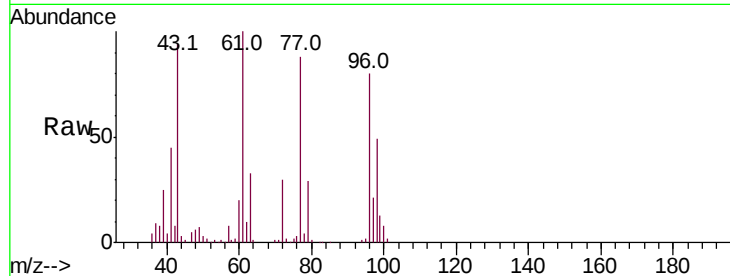
cis-1,2-Dichloroethene
Concen: 53.634 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	265.4
98	64.7	0.0	129.4

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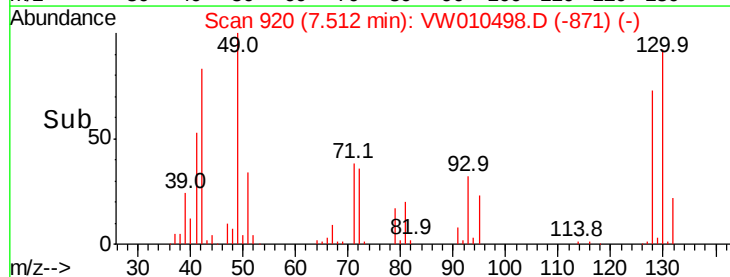
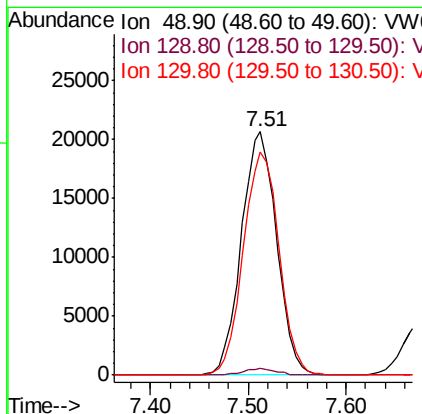
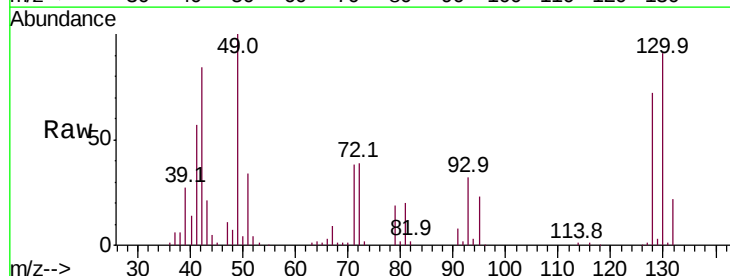
MMDadoda
5/22/2019 11:55:14 AM

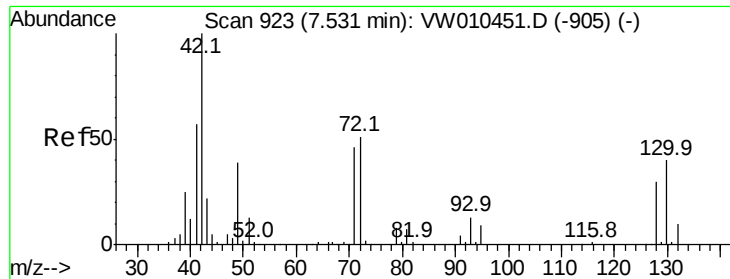


#28

Bromochloromethane
Concen: 60.011 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	92.9	71.2	106.8





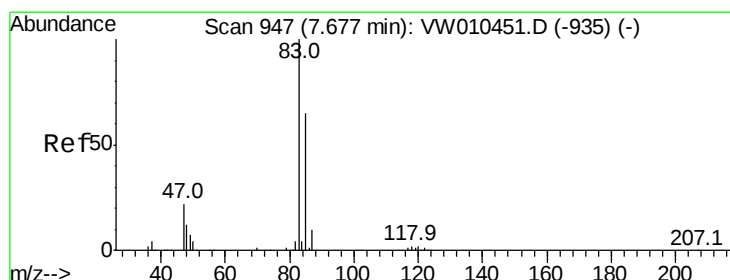
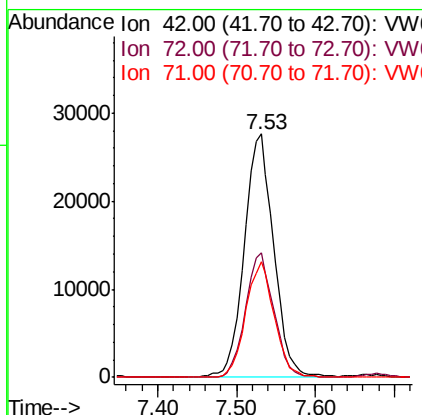
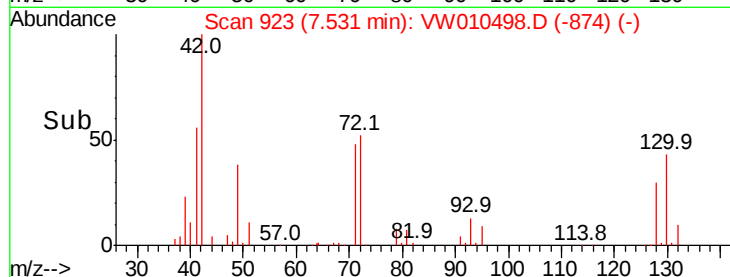
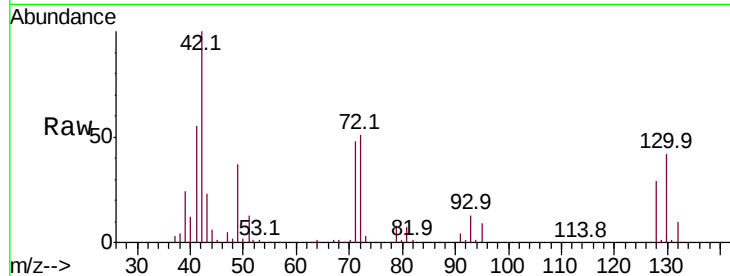
#29
Tetrahydrofuran
Concen: 272.026 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	71633
Ion Ratio	Lower	Upper	
42	100		
72	48.9	38.5	57.7
71	46.2	36.5	54.7

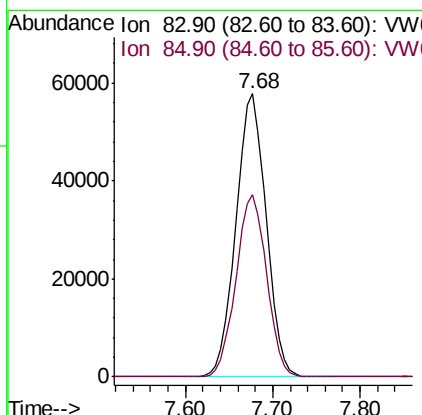
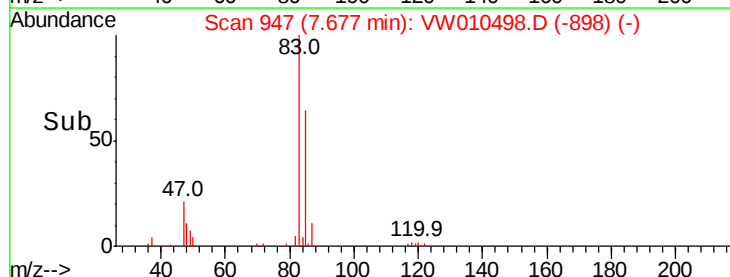
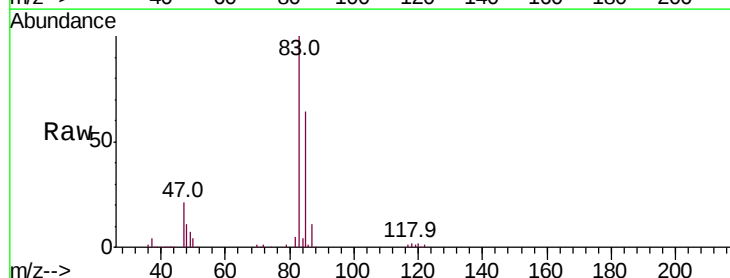
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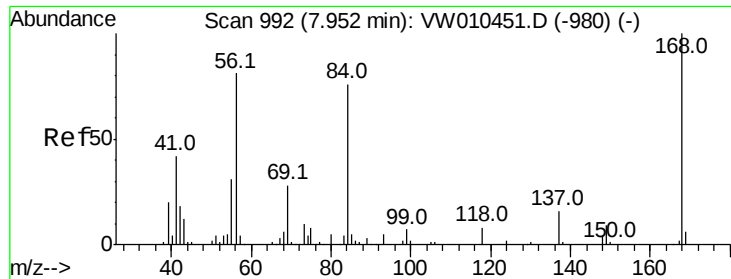
MMDadoda
5/22/2019 11:55:14 AM



#30
Chloroform
Concen: 53.277 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion:	83	Resp:	138761
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.4





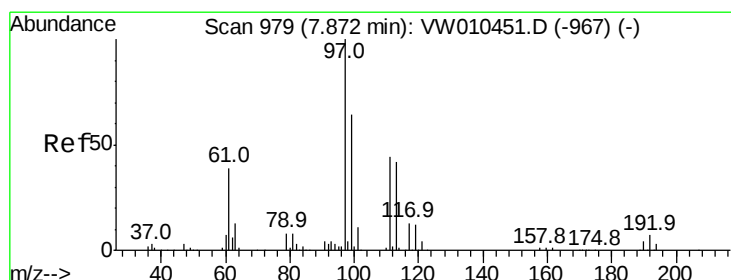
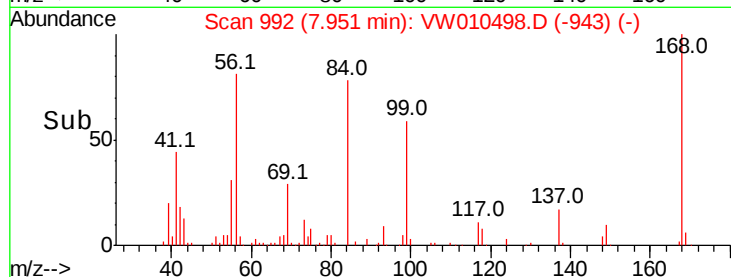
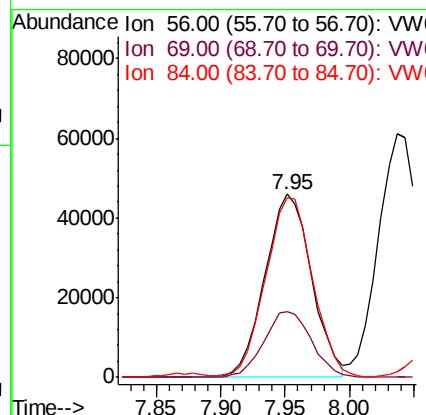
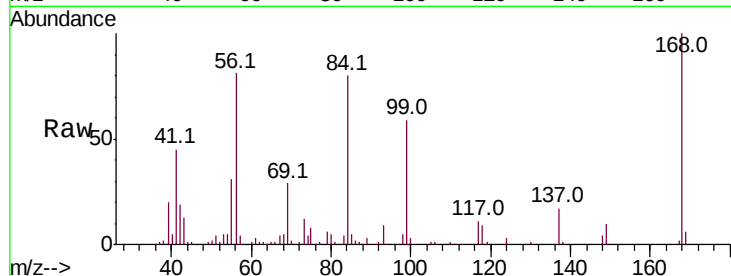
#31
Cyclohexane
Concen: 45.588 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	28.2	42.2
84	96.0	75.8	113.8

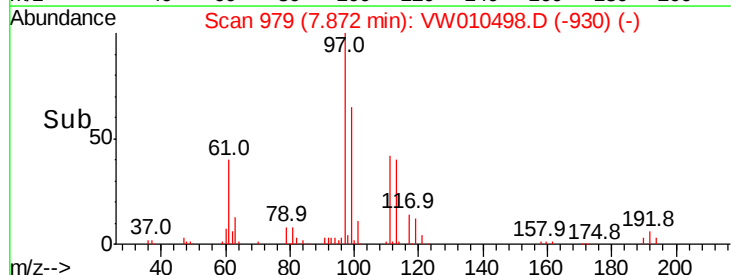
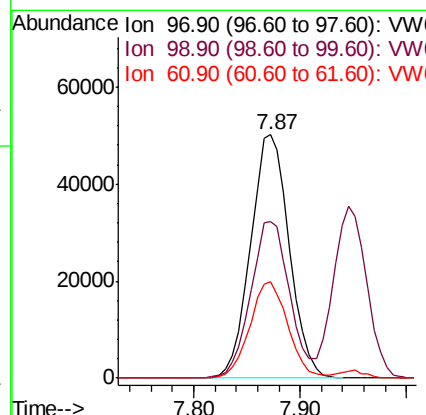
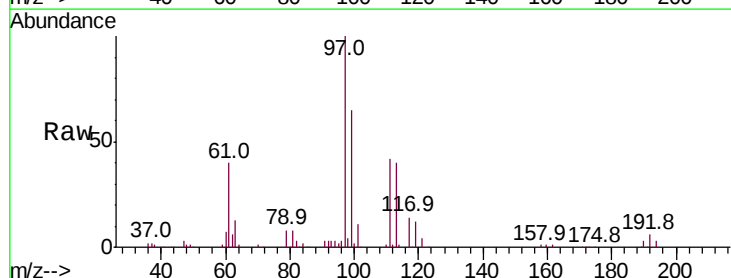
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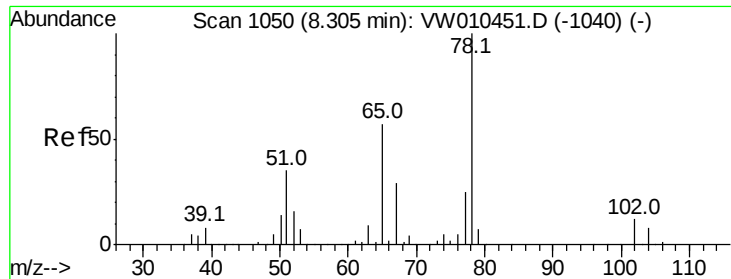
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.250 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.8	76.2
61	39.1	32.1	48.1





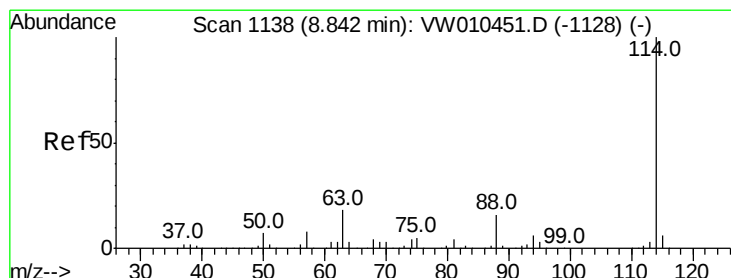
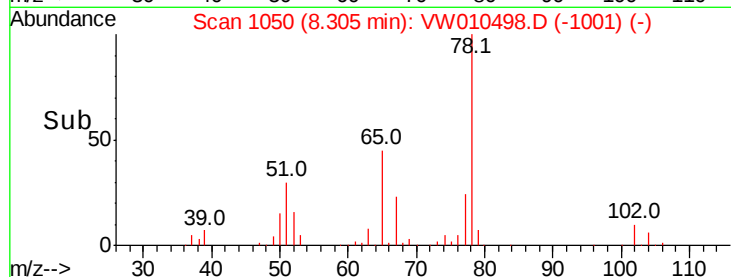
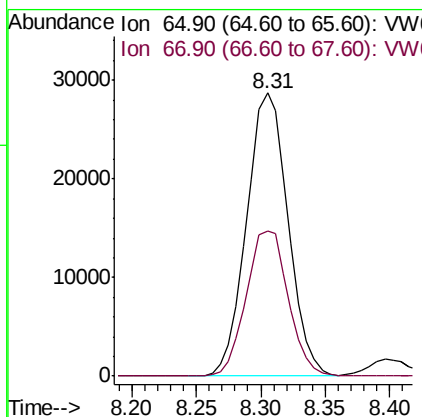
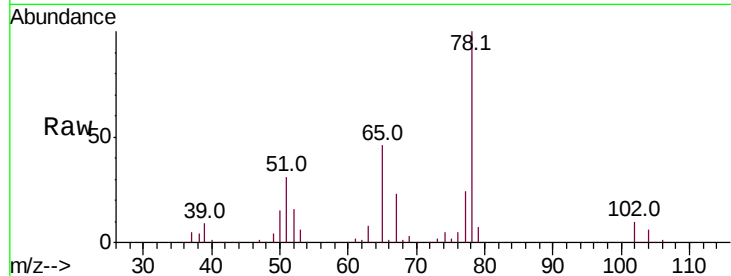
#33
 1,2-Dichloroethane-d4
 Concen: 47.960 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	63892		
67	52.0	0.0	103.6	

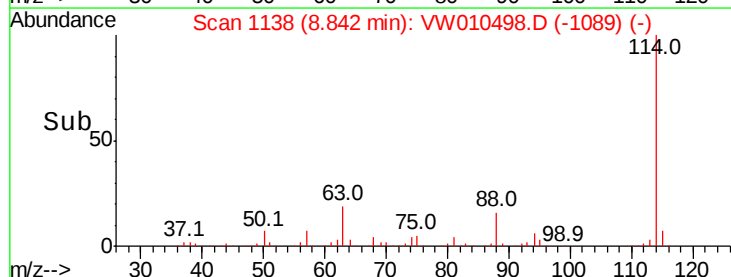
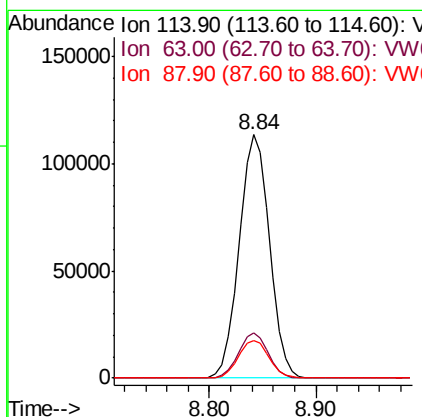
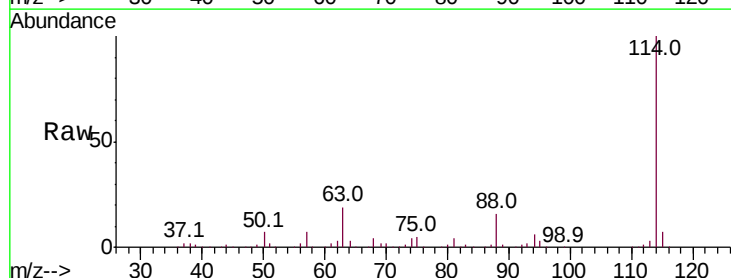
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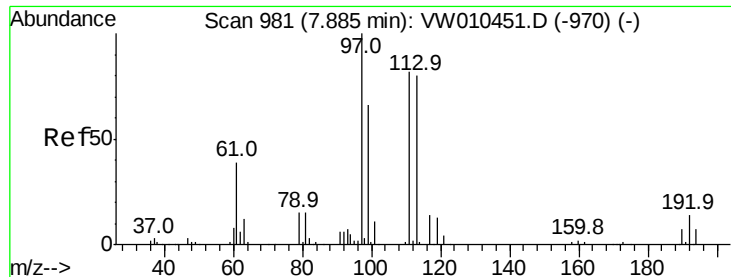
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	227184		
63	18.7	0.0	36.0	
88	15.6	0.0	32.0	





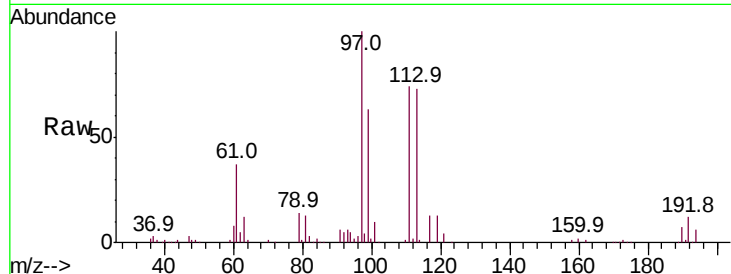
#35
 Dibromofluoromethane
 Concen: 47.319 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	17.6	14.3	21.5

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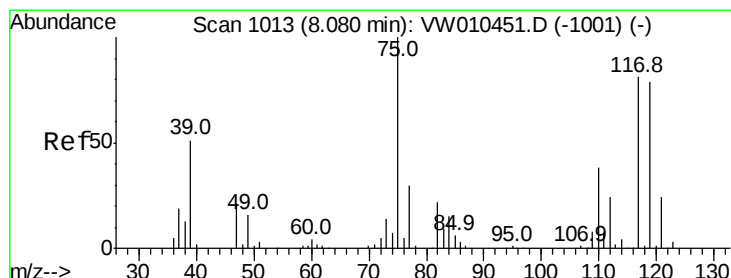
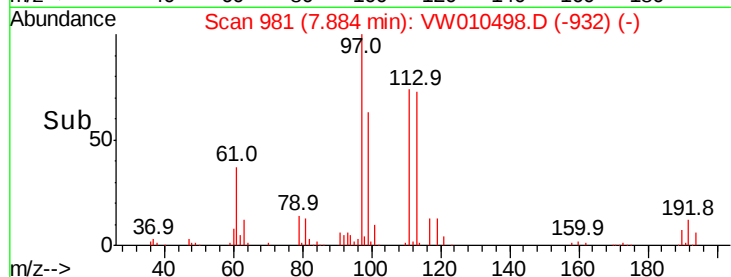
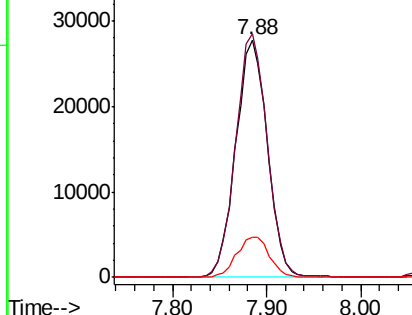


Abundance

Ion 112.80 (112.50 to 113.50): V

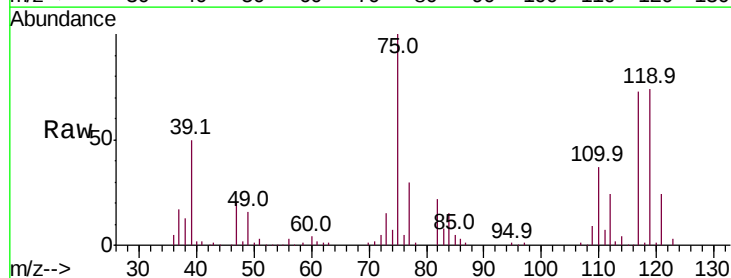
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.869 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.2	57.6
77	31.5	25.2	37.8

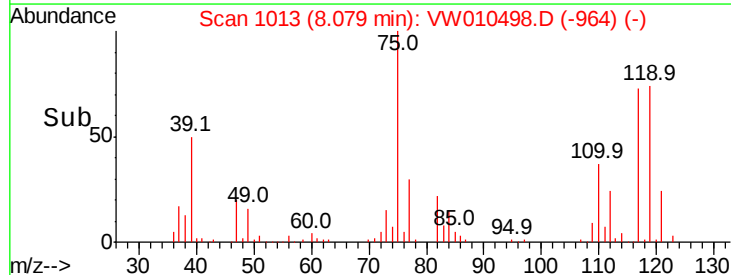
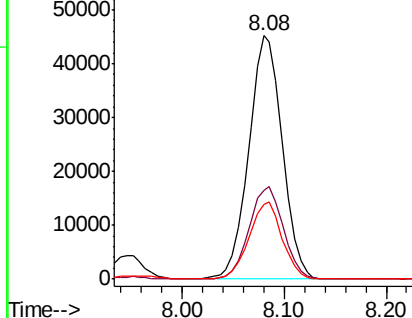


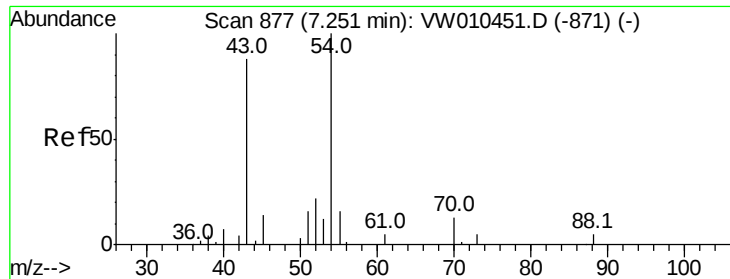
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





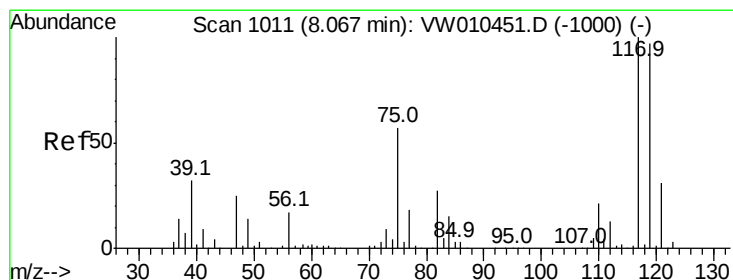
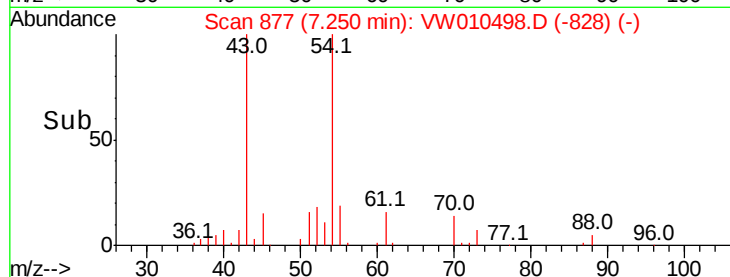
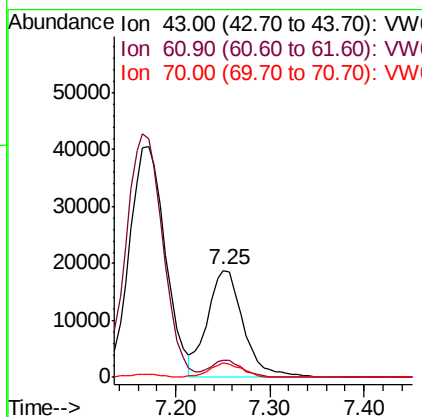
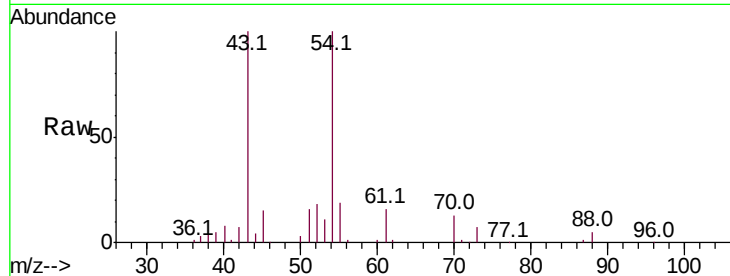
#37
Ethyl Acetate
Concen: 54.677 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	100	Resp	49207
Ion	43	100		Lower	Upper
	61	13.9		11.2	16.8
	70	12.6		9.9	14.9

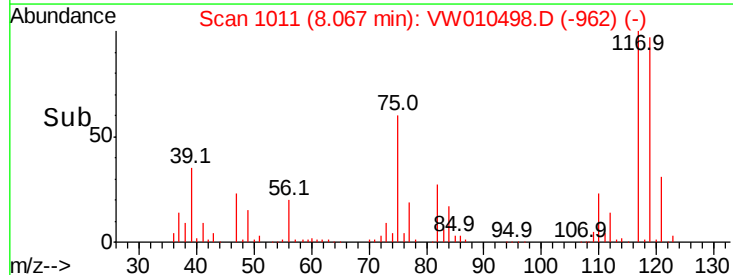
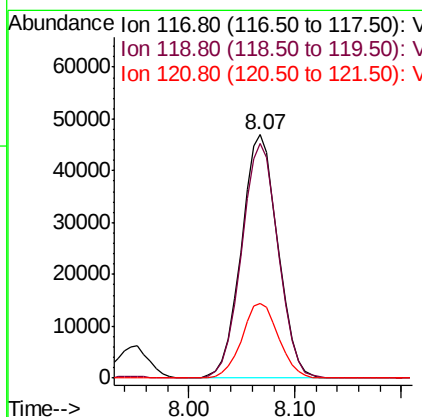
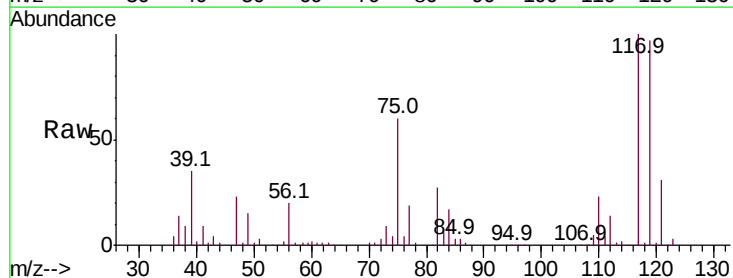
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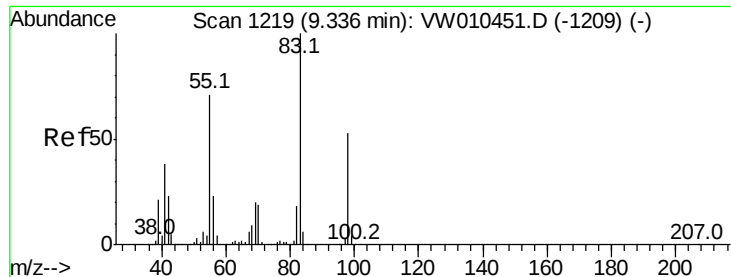
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#38
Carbon Tetrachloride
Concen: 49.516 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	117	Ratio	100	Resp	113045
Ion	117	100		Lower	Upper
	119	96.5		77.4	116.0
	121	30.9		25.0	37.6





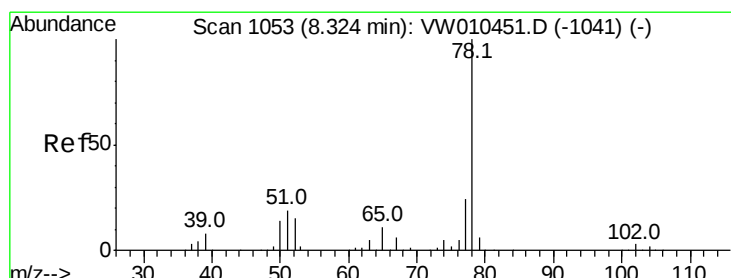
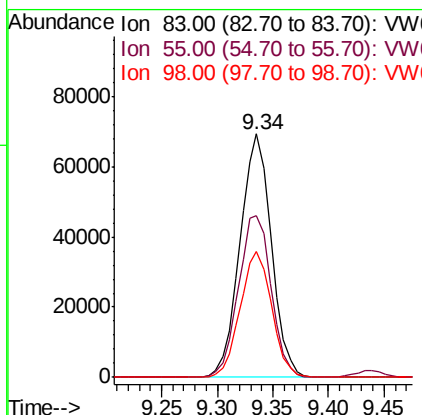
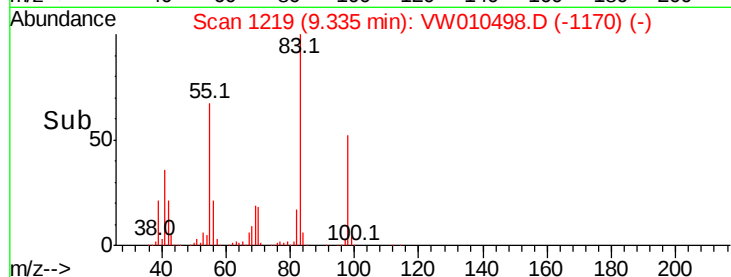
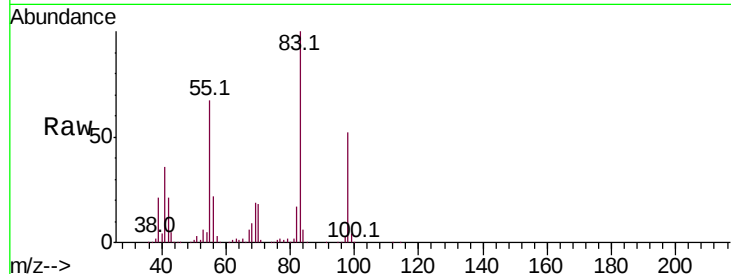
#39
Methvlcvclohexane
Concen: 47.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.6	57.0	85.6
98	51.8	42.0	63.0

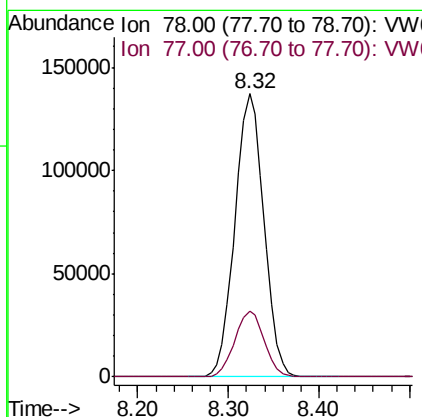
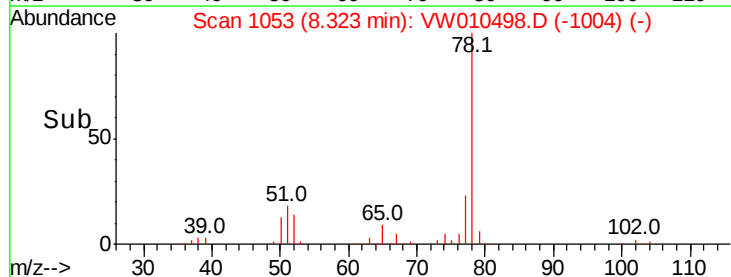
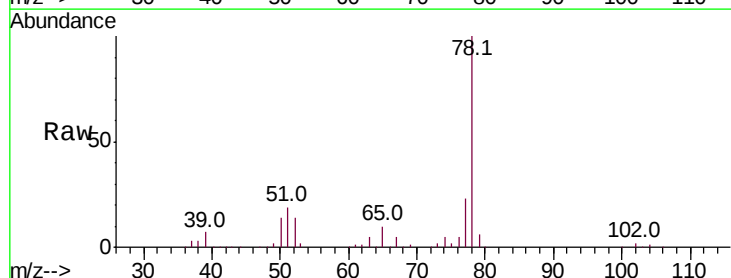
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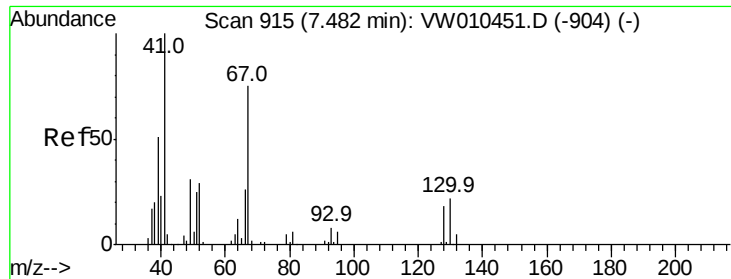
MMDadoda
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#40
Benzene
Concen: 51.645 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





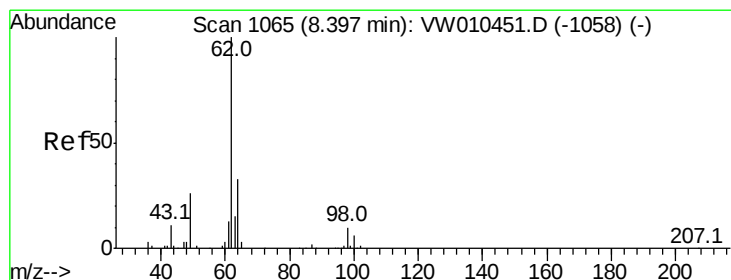
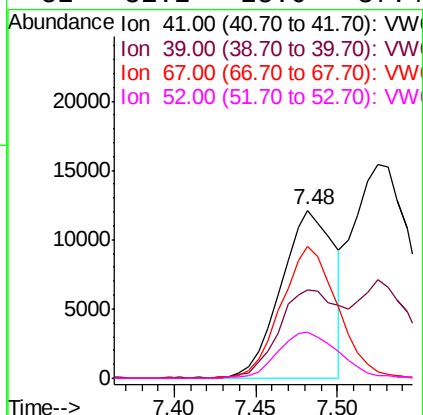
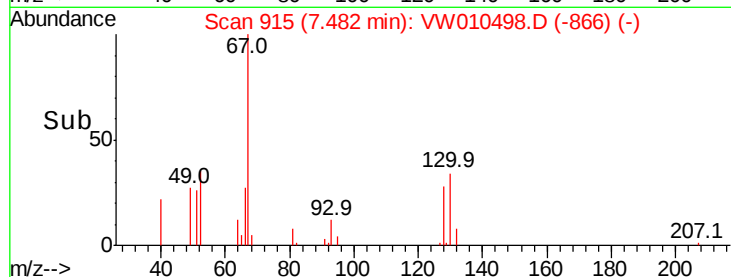
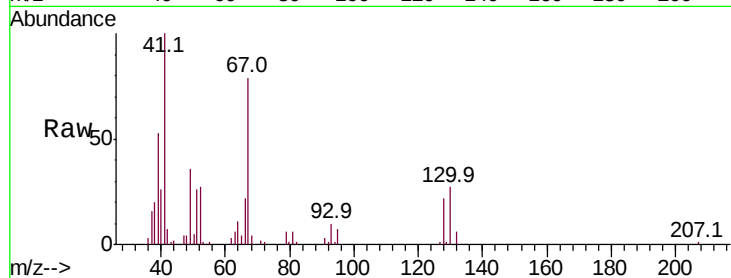
#41
Methacrylonitrile
Concen: 51.491 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	47.4	71.2
67	83.1	65.5	98.3
52	31.2	25.0	37.4

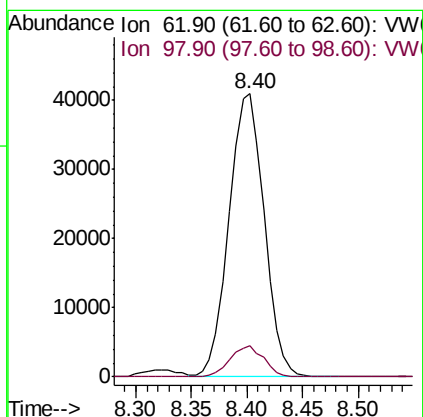
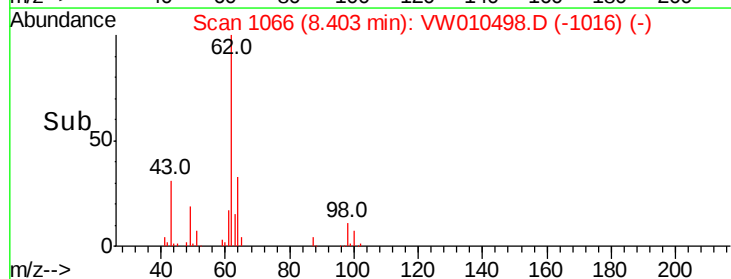
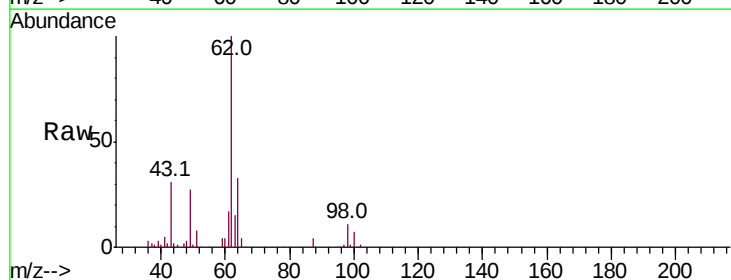
Manual Integrations
APPROVED

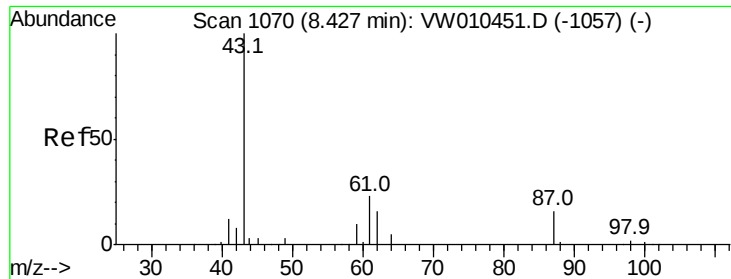
MMDadoda
5/22/2019 11:55:14 AM



#42
1,2-Dichloroethane
Concen: 53.541 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43

Isopropyl Acetate

Concen: 53.231 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

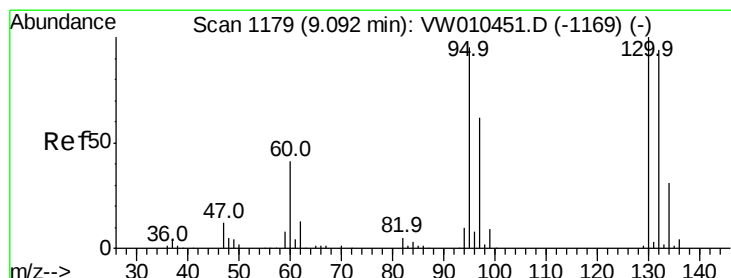
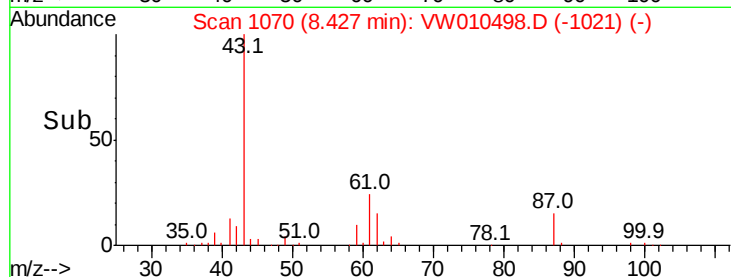
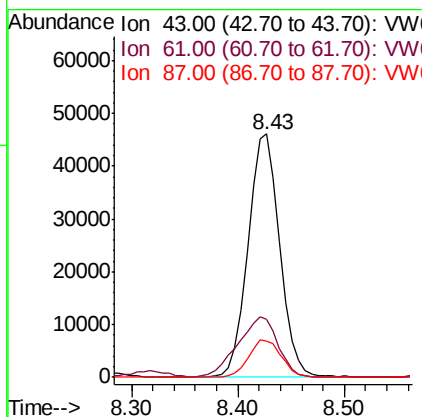
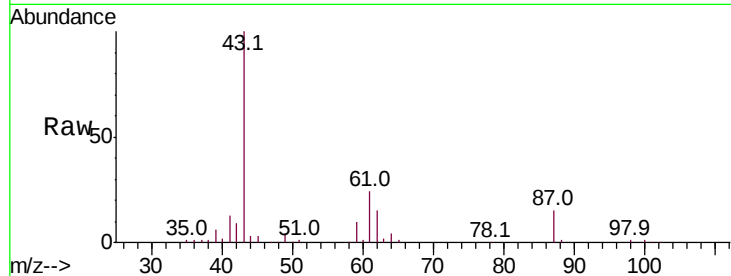
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	95706
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.4	38.2
87	15.9	12.7	19.1

Manual Integrations
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MMDadoda
5/22/2019 11:55:14 AM



#44

Trichloroethene

Concen: 50.591 ug/l

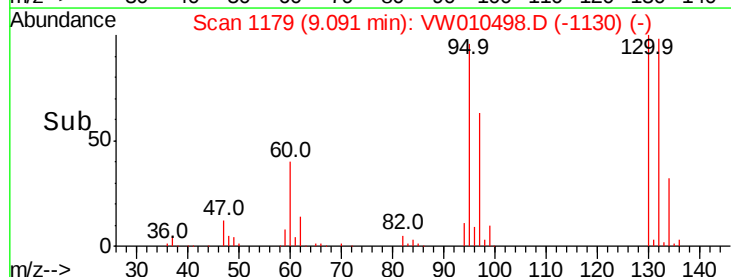
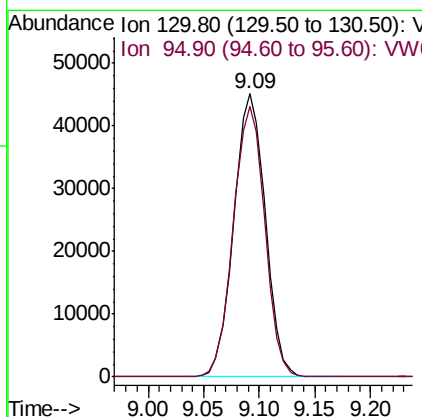
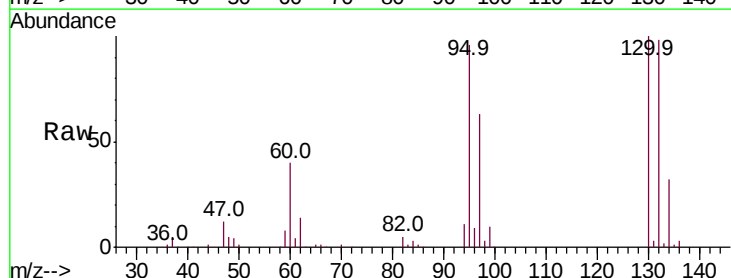
RT: 9.09 min Scan# 1179

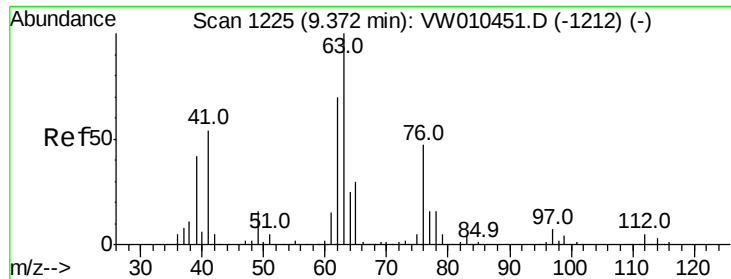
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion:	130	Resp:	88347
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	189.6





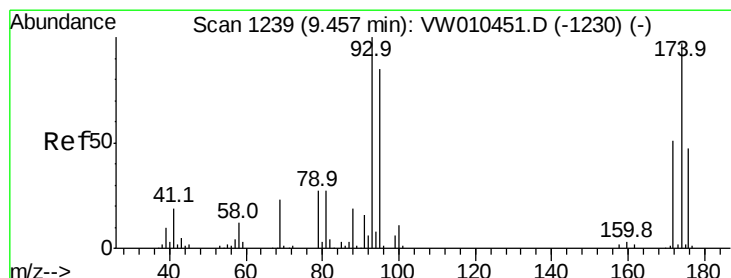
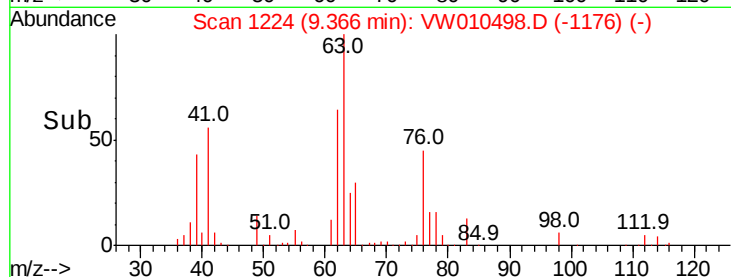
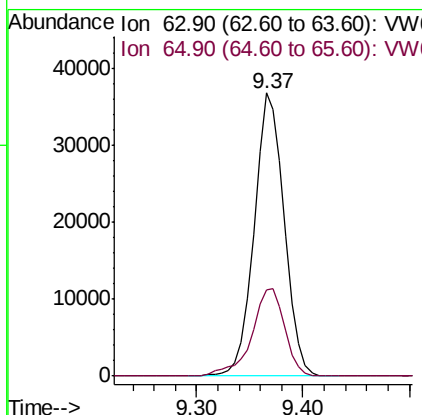
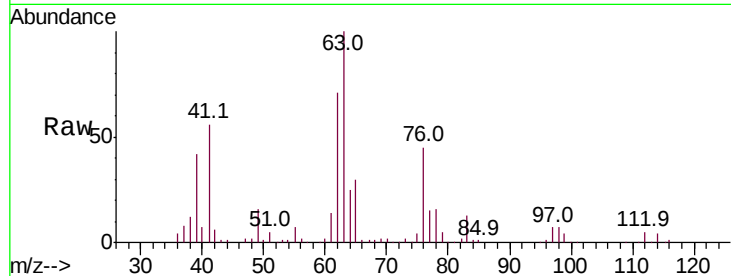
#45
 1,2-Dichloropropane
 Concen: 52.043 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 72705
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5

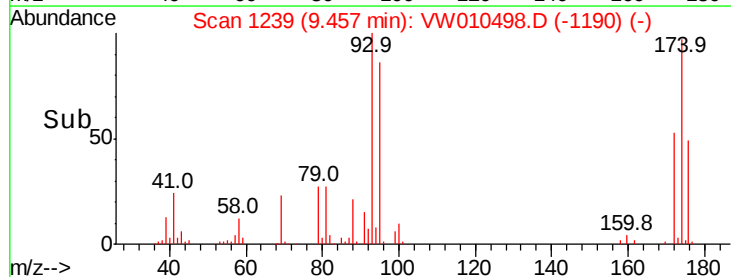
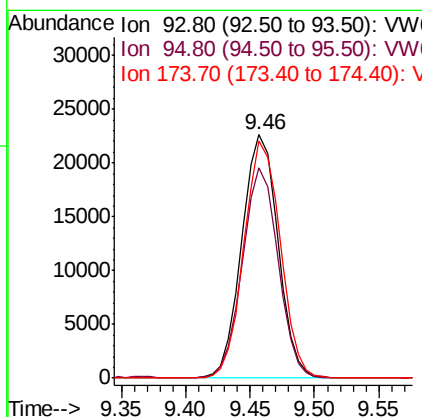
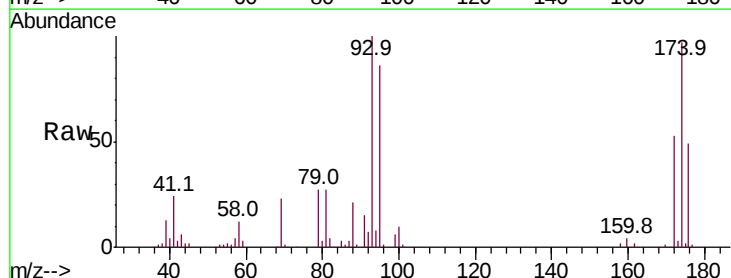
Manual Integrations
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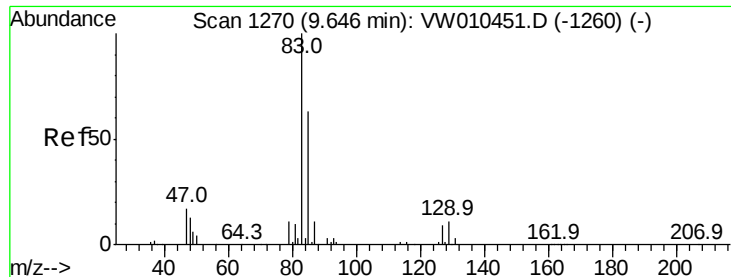
MMDadoda
 5/22/2019 11:55:14 AM



#46
 Dibromomethane
 Concen: 53.987 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion: 93 Resp: 44108
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.1 99.1
 174 97.7 77.1 115.7





#47

Bromodichloromethane

Concen: 52.194 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

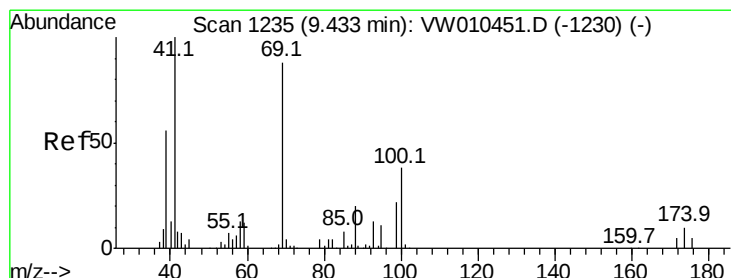
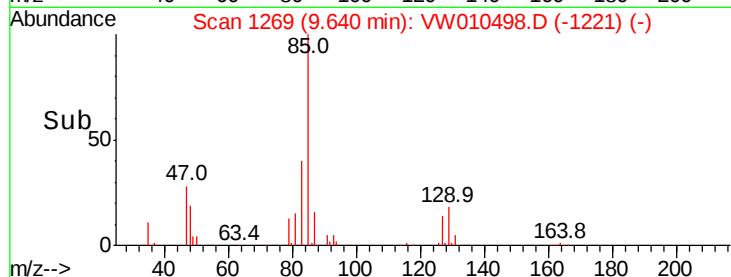
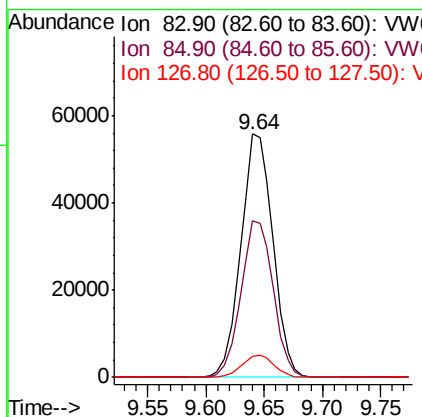
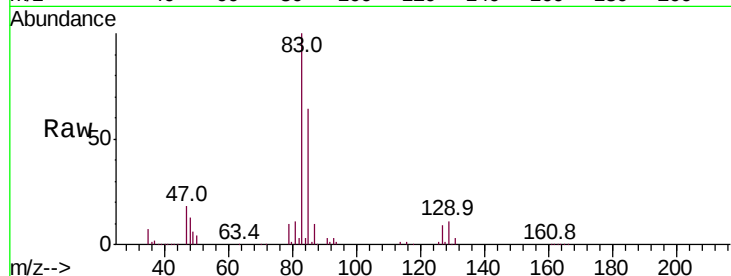
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107161
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.4	75.6
127	8.7	7.4	11.0

Manual Integrations
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5/22/2019 11:55:14 AM



#48

Methyl methacrylate

Concen: 53.191 ug/l

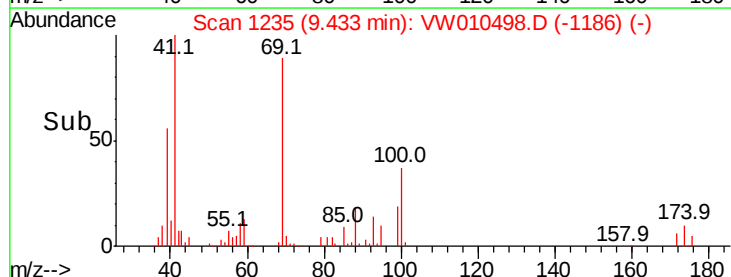
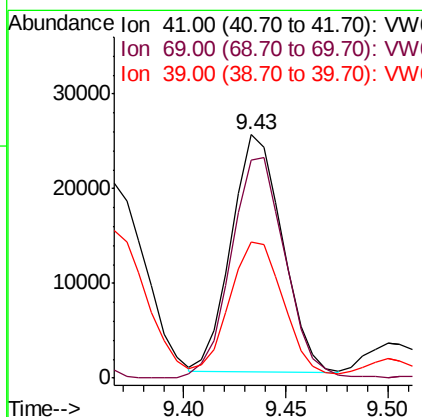
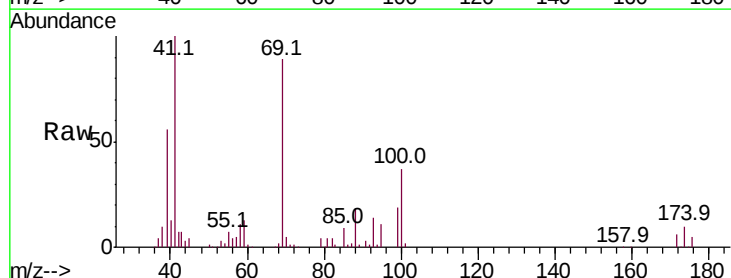
RT: 9.43 min Scan# 1235

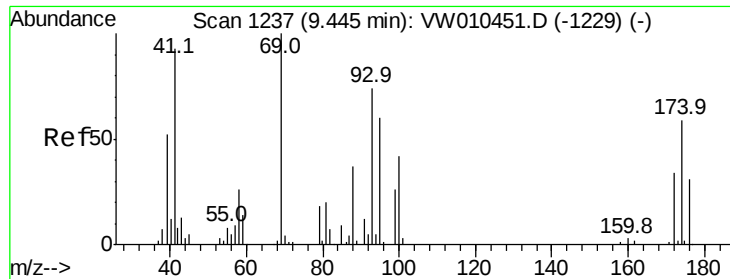
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion:	41	Resp:	43751
Ion Ratio	Lower	Upper	
41	100		
69	99.0	77.6	116.4
39	61.7	49.8	74.8





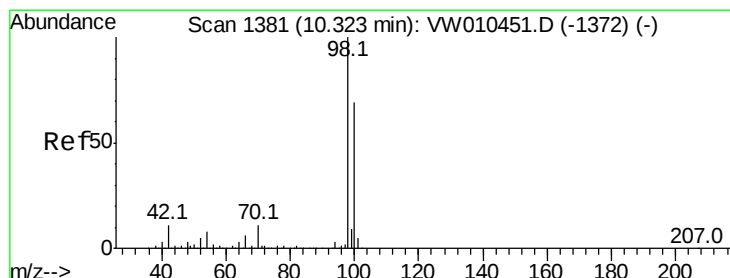
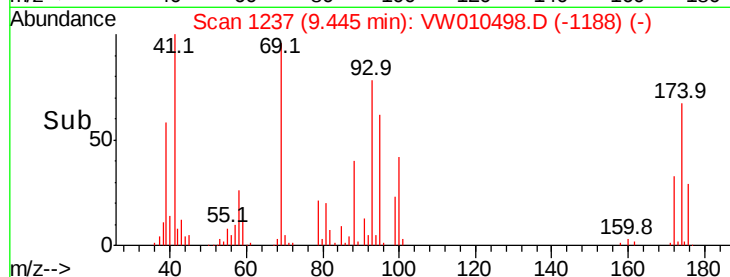
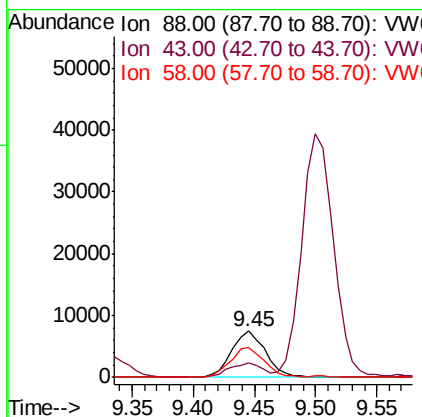
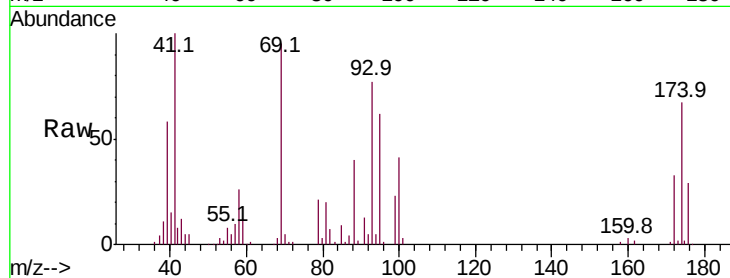
#49
 1,4-Dioxane
 Concen: 1083.972 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	88	Resp	14467
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.9	38.9
58	64.0	52.7	79.1

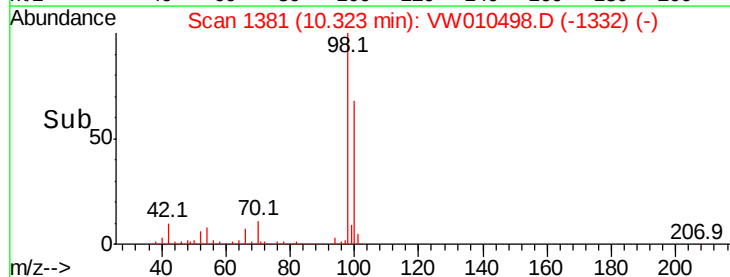
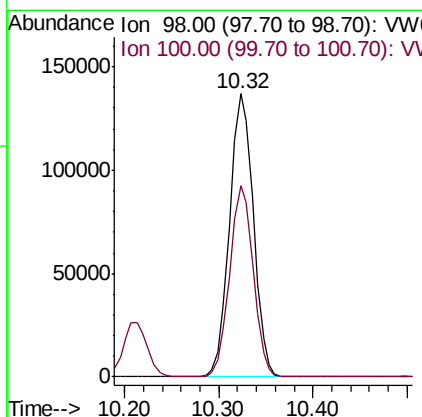
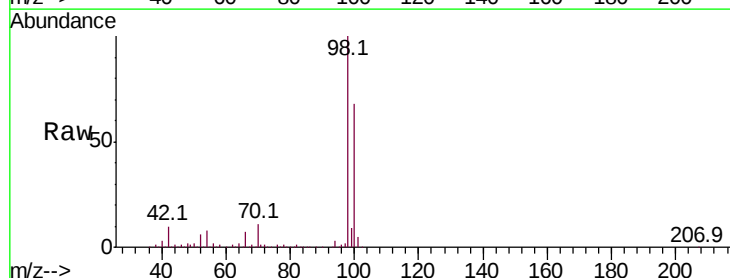
Manual Integrations
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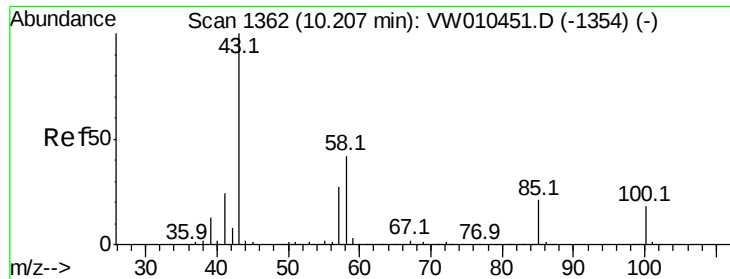
MMDadoda
 5/22/2019 11:55:14 AM



#50
 Toluene-d8
 Concen: 45.702 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	98	Resp	240678
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.7	80.5





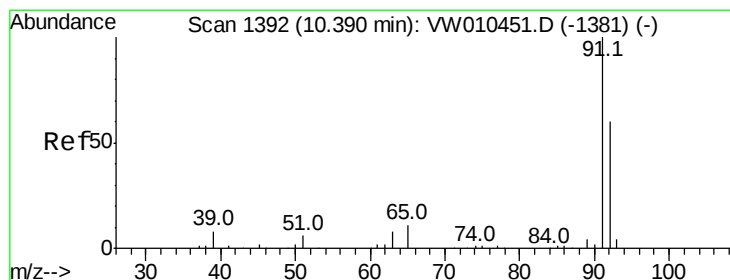
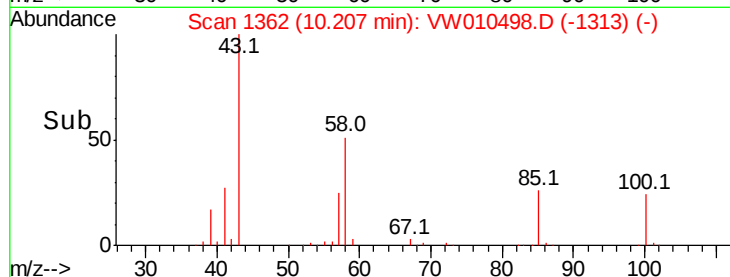
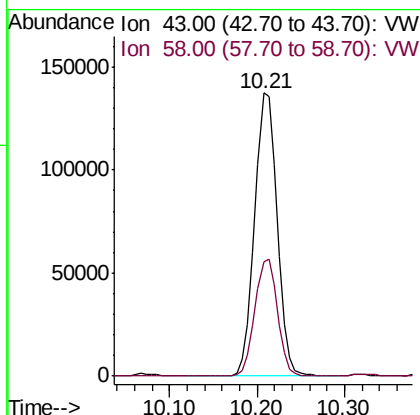
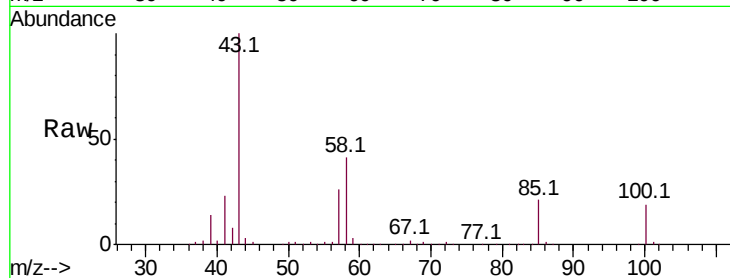
#51
4-Methyl-2-Pentanone
Concen: 269.686 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	41.8	Resp	245699	Lower	33.2	Upper	49.8
Ion	43	58	Ratio	100	41.8	Resp	245699	Lower	33.2	Upper	49.8

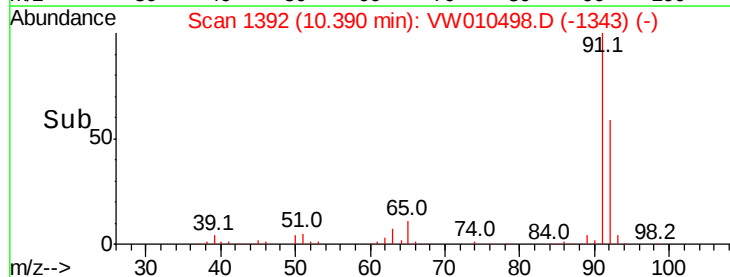
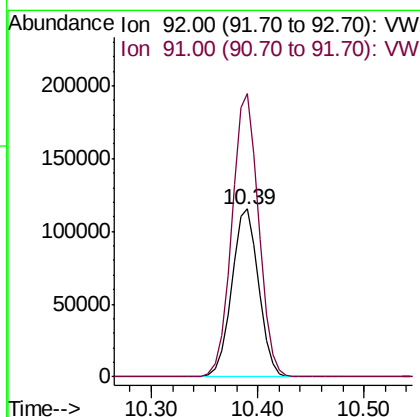
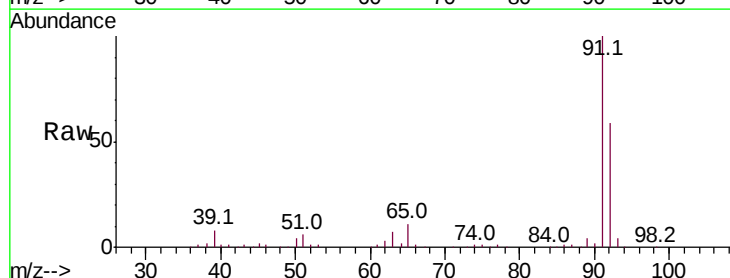
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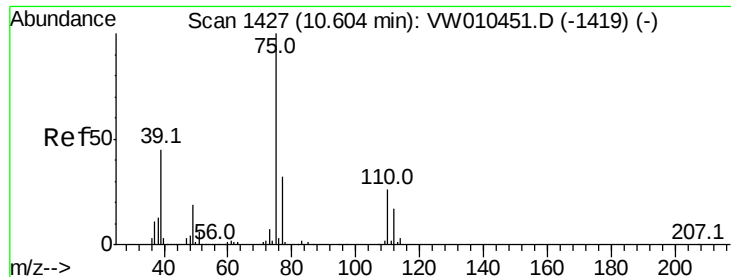
MMDadoda
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#52
Toluene
Concen: 51.683 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	92	91	Ratio	100	167.5	Resp	204165	Lower	135.4	Upper	203.0
Ion	92	91	Ratio	100	167.5	Resp	204165	Lower	135.4	Upper	203.0





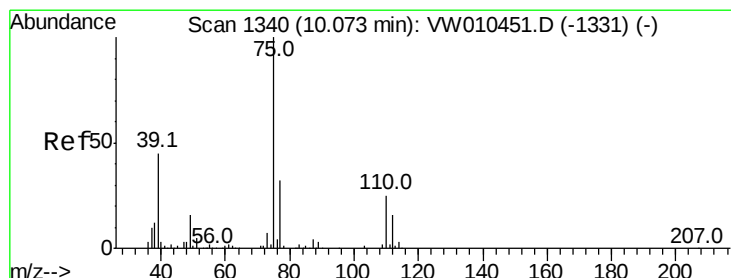
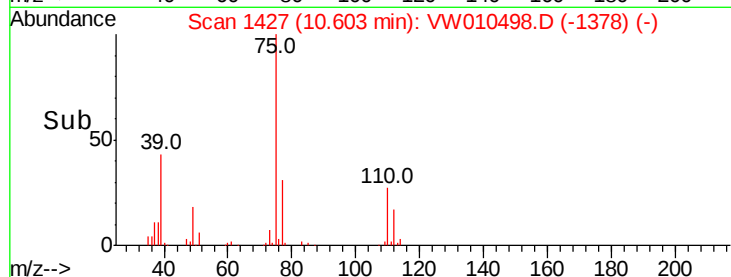
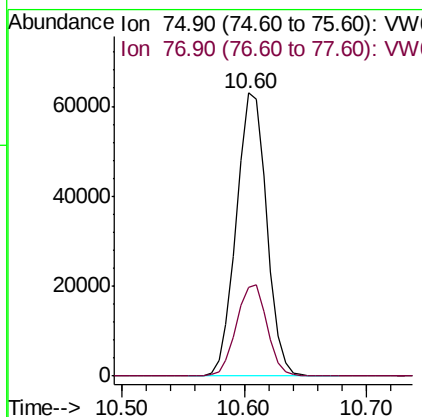
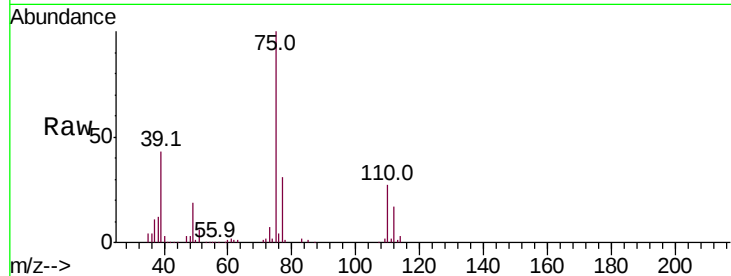
#53
 t-1,3-Dichloropropene
 Concen: 52.115 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 108365
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0

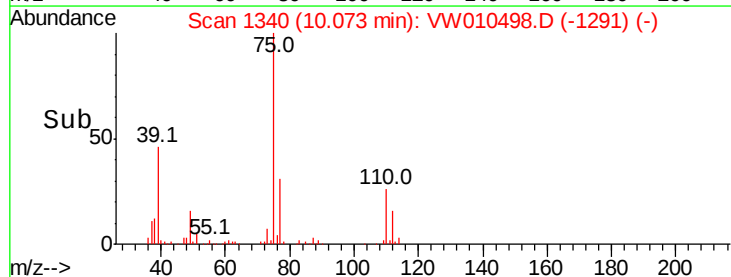
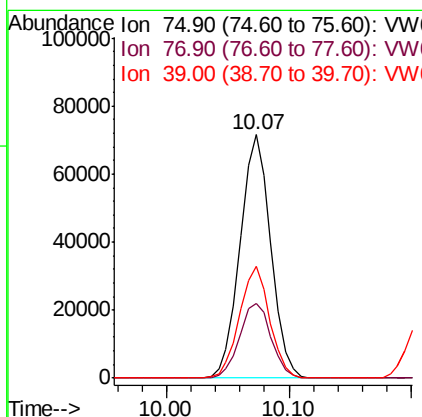
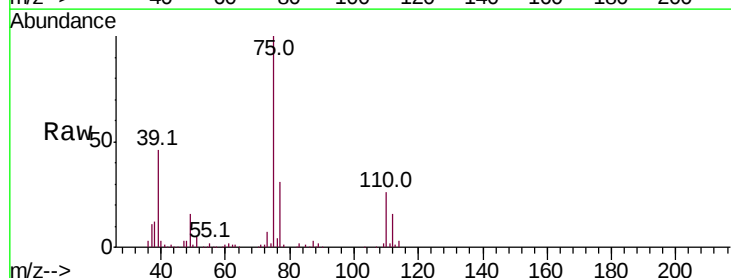
Manual Integrations
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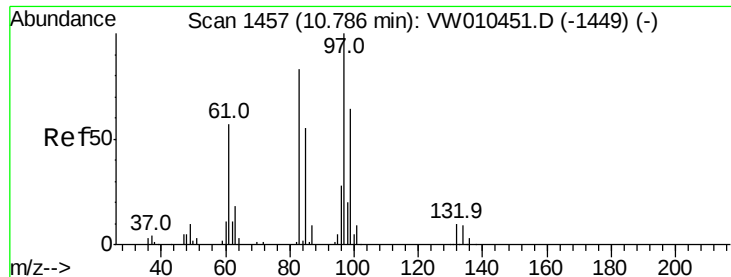
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#54
 cis-1,3-Dichloropropene
 Concen: 52.377 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion: 75 Resp: 124381
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5
 39 46.1 36.2 54.4





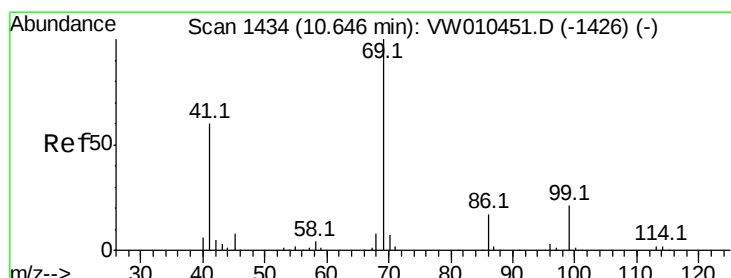
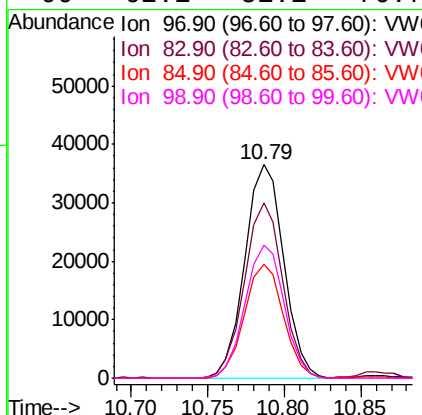
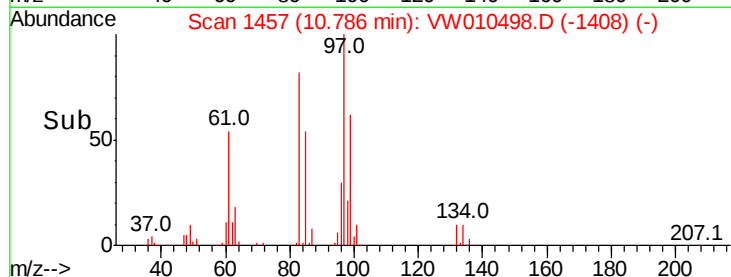
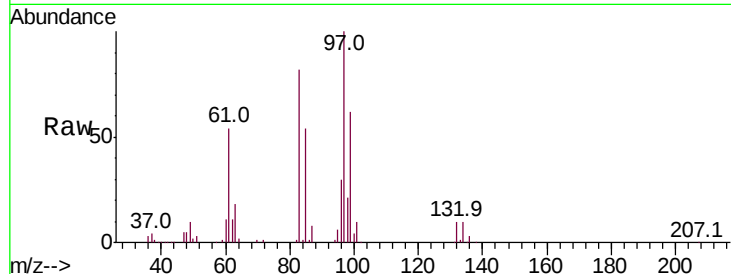
#55
 1,1,2-Trichloroethane
 Concen: 55.168 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		64815		
83	82.2	66.1	99.1		
85	53.5	44.2	66.4		
99	62.1	51.1	76.7		

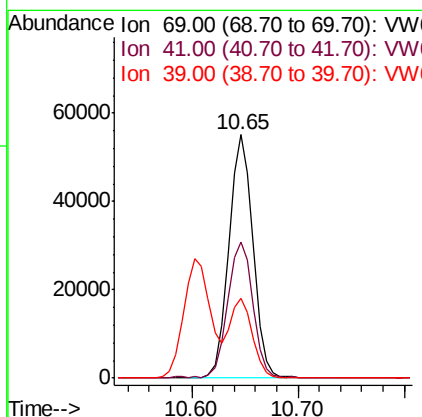
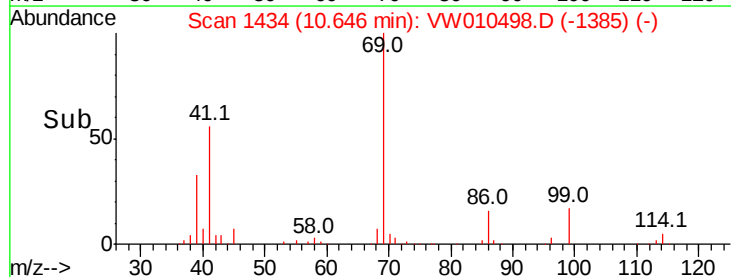
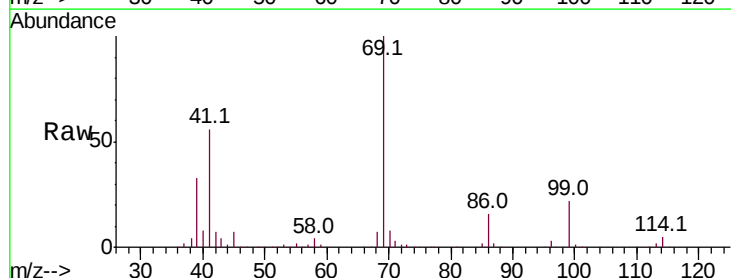
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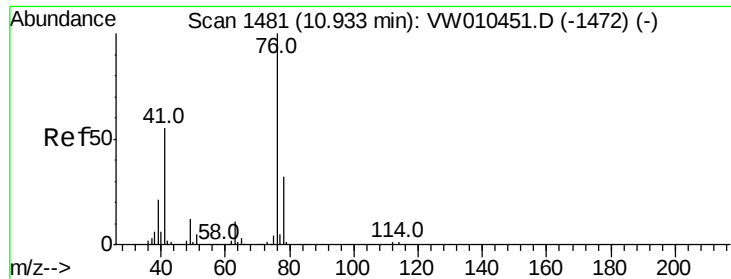
MMDadoda
 5/22/2019 11:55:14 AM



#56
 Ethyl methacrylate
 Concen: 54.074 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		87618		
41	57.6	47.7	71.5		
39	30.3	25.3	37.9		





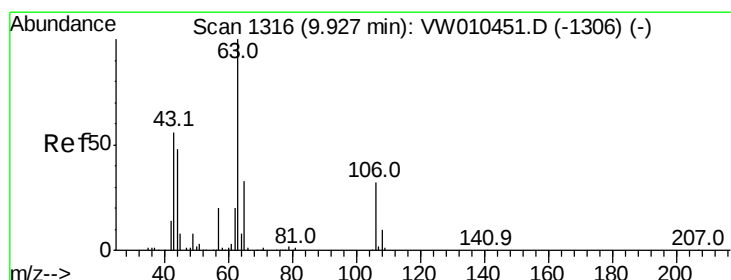
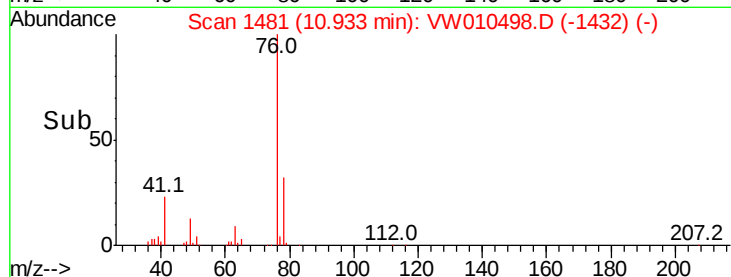
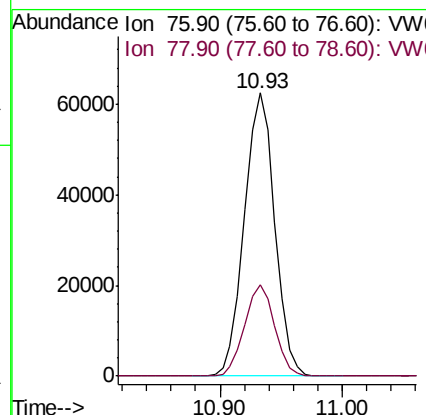
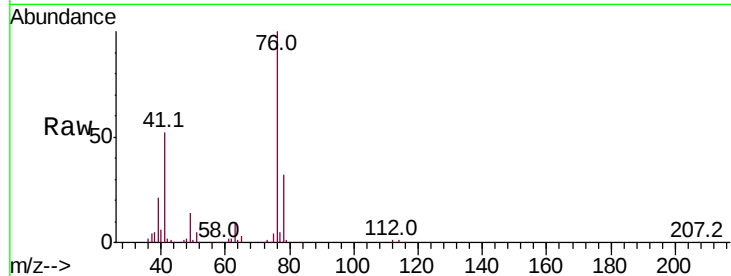
#57
 1,3-Dichloropropane
 Concen: 54.672 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 76 Resp: 107592
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

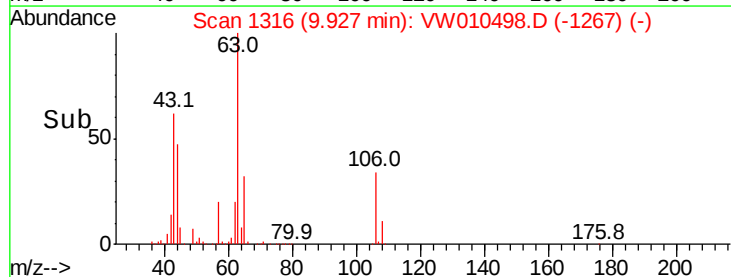
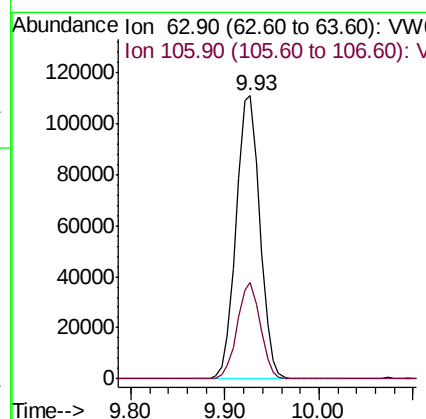
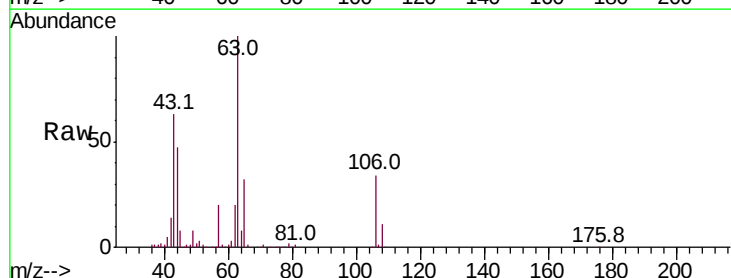
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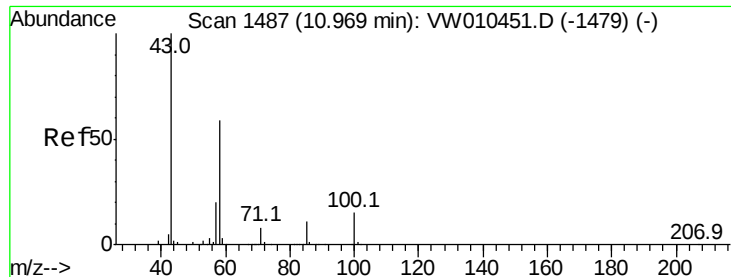
MMDadoda
 5/22/2019 11:55:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.863 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion: 63 Resp: 194396
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.8 38.6





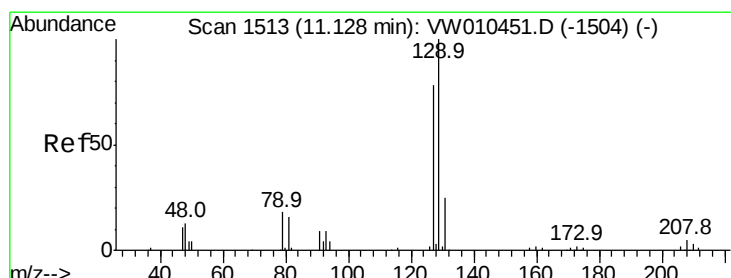
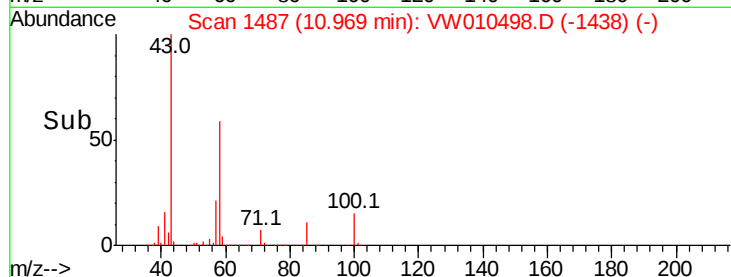
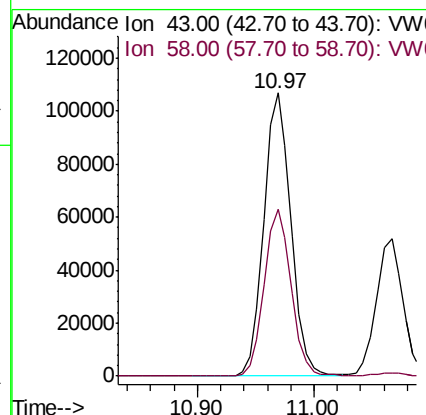
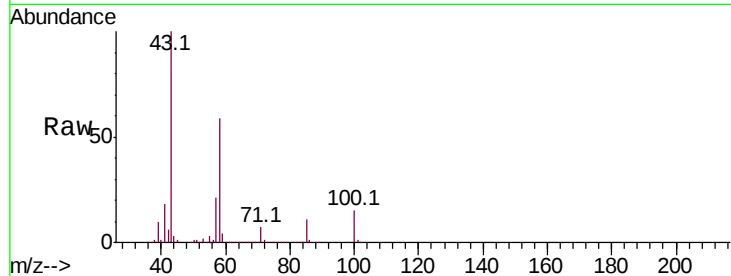
#59
2-Hexanone
Concen: 266.699 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 173327
Ion Ratio Lower Upper
43 100
58 58.6 28.9 86.8

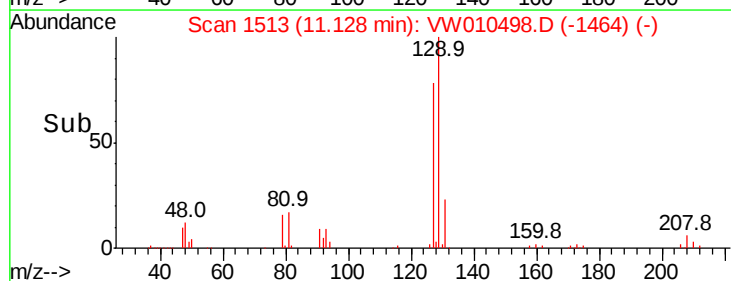
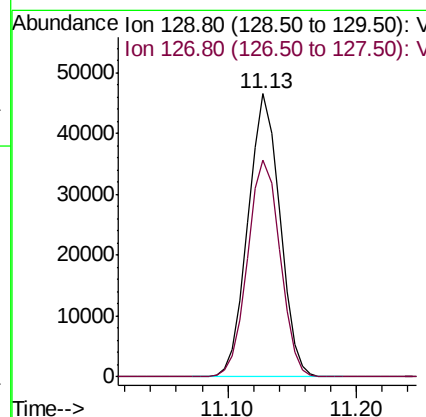
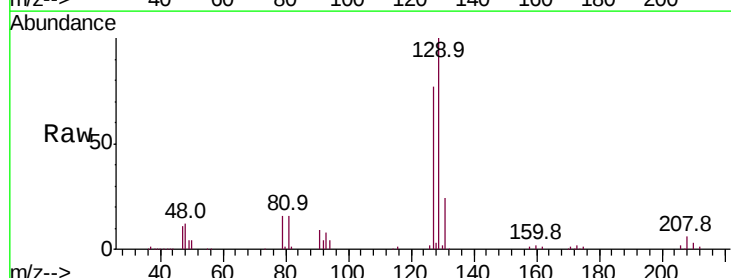
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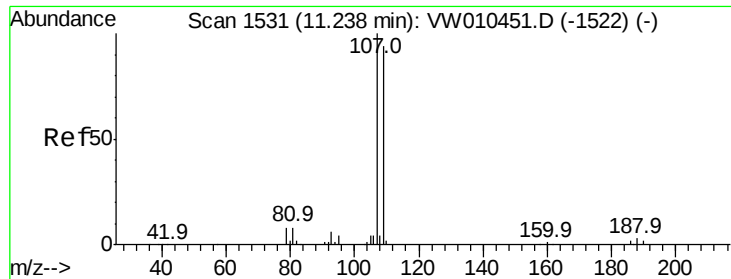
MMDadoda
5/22/2019 11:55:14 AM



#60
Dibromochloromethane
Concen: 53.558 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion: 129 Resp: 79635
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 54.651 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 65041

Ion Ratio Lower Upper

107 100

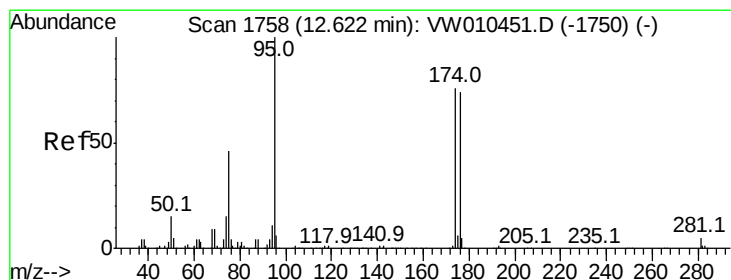
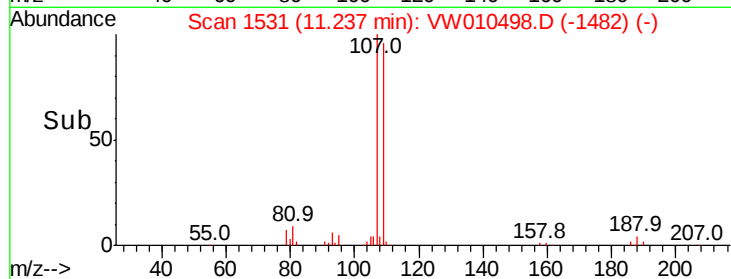
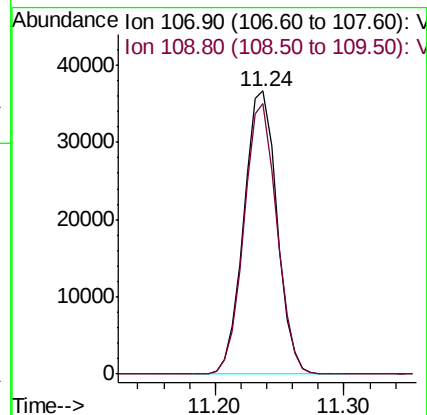
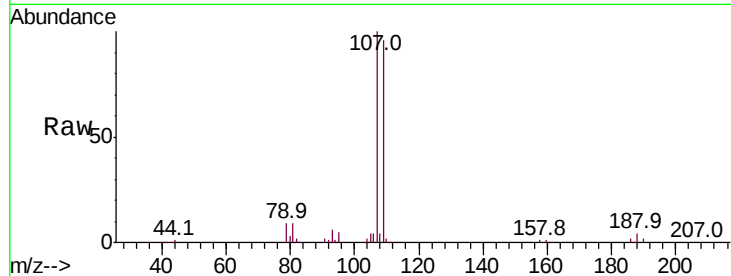
109 95.0 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 44.406 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

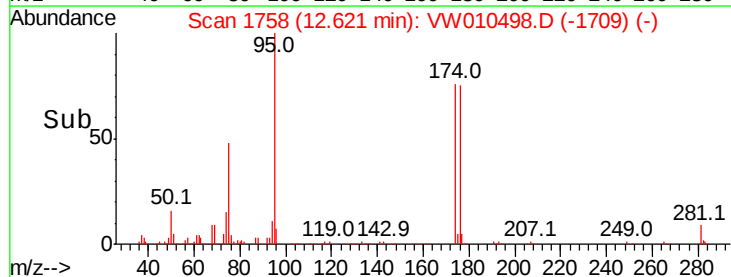
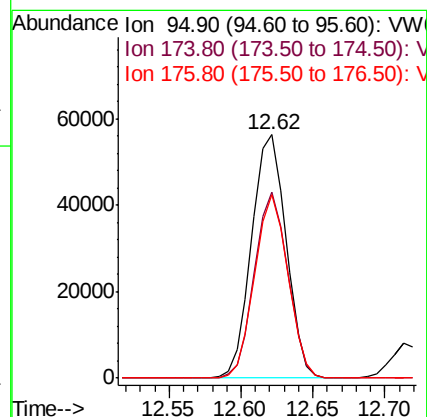
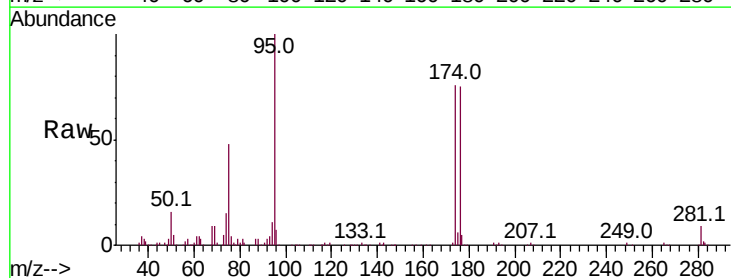
Tgt Ion: 95 Resp: 93147

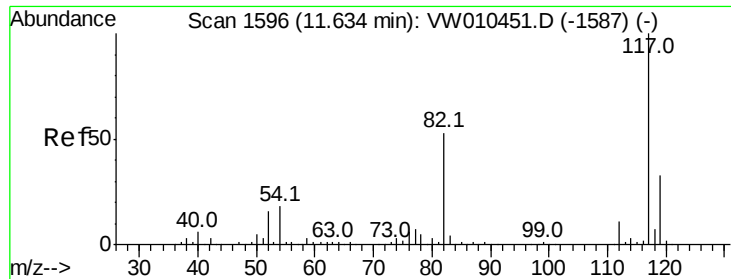
Ion Ratio Lower Upper

95 100

174 74.3 0.0 148.6

176 73.0 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: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

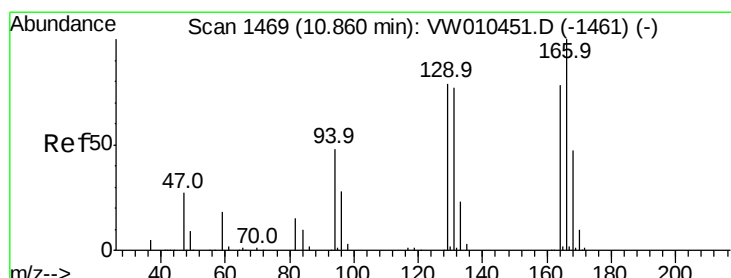
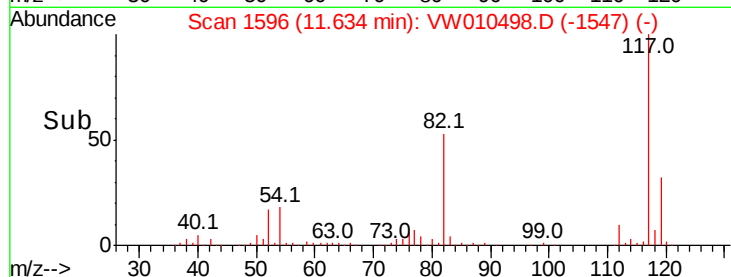
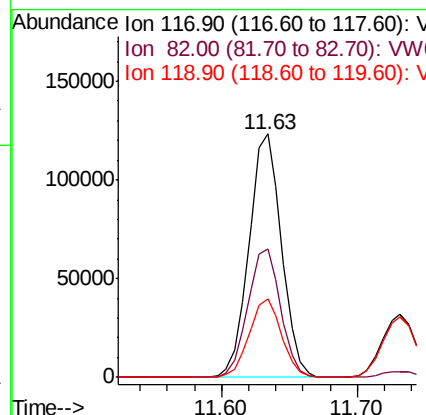
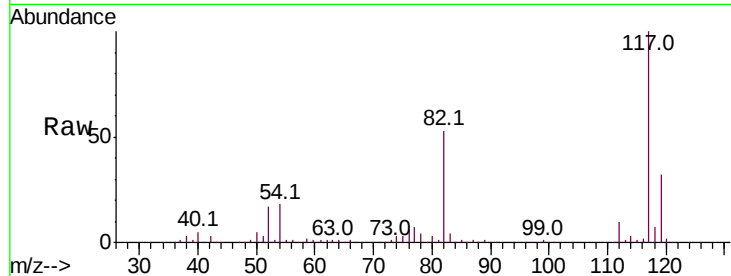
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	206243
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.8	64.2
119	32.4	26.3	39.5

Manual Integrations
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#64

Tetrachloroethene

Concen: 50.873 ug/l

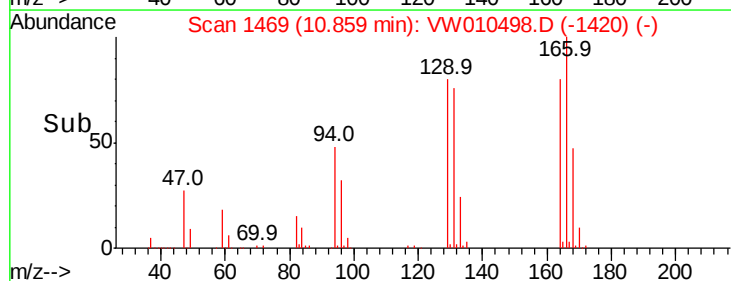
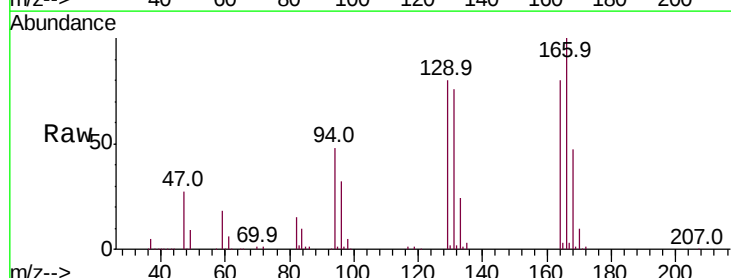
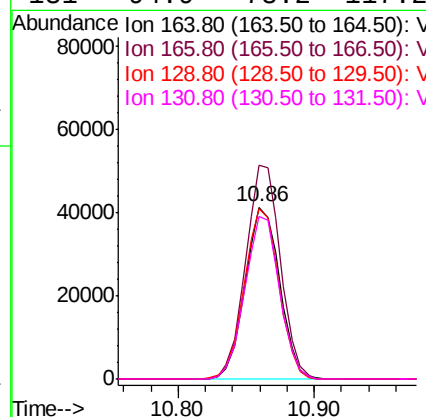
RT: 10.86 min Scan# 1469

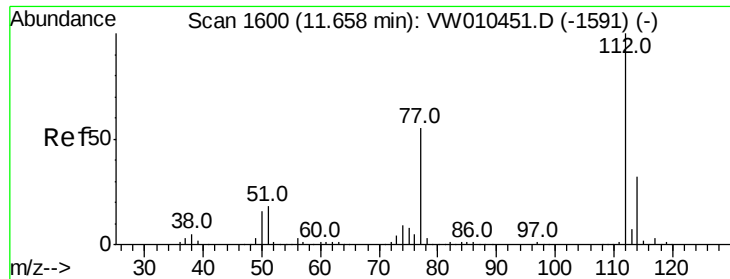
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion:	164	Resp:	73140
Ion Ratio	Lower	Upper	
164	100		
166	124.2	101.9	152.9
129	98.8	80.6	121.0
131	94.9	78.2	117.2





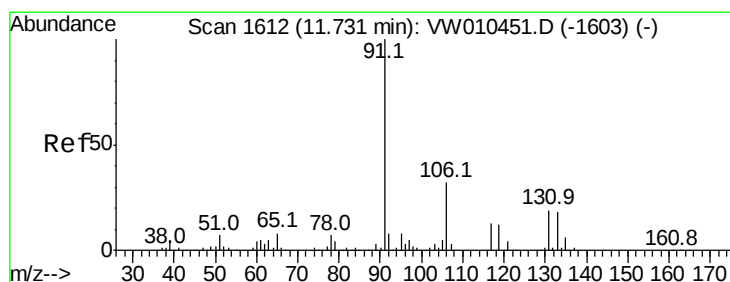
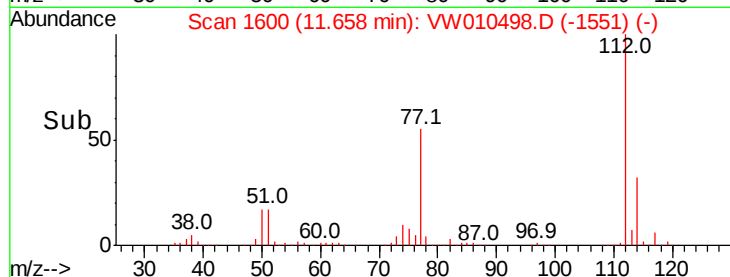
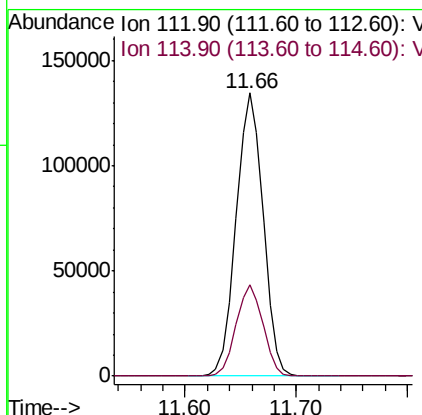
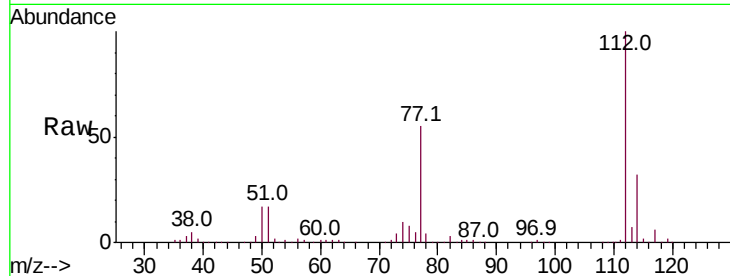
#65
Chlorobenzene
Concen: 51.249 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 225265
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

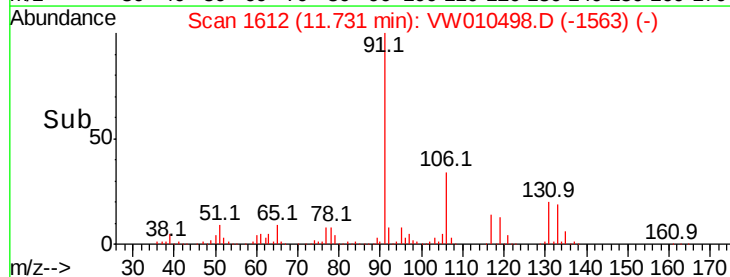
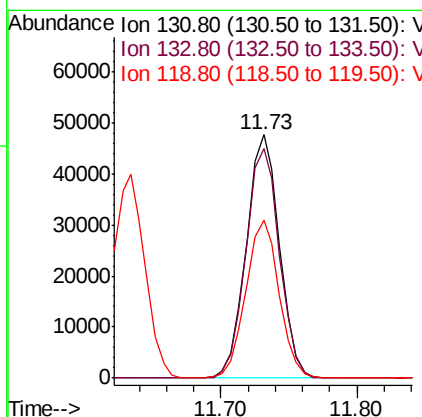
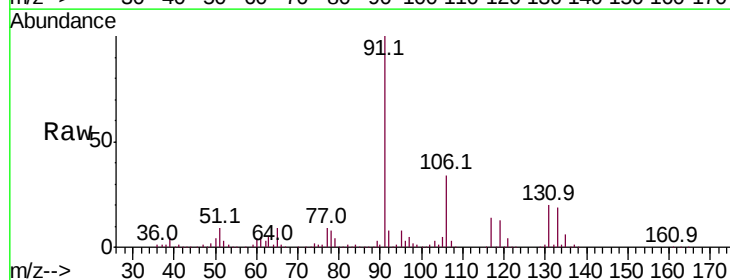
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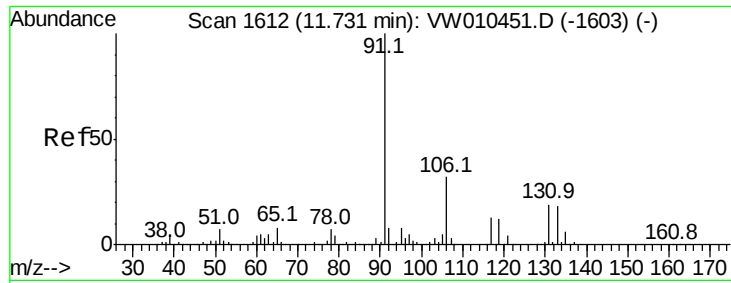
MMDadoda
5/22/2019 11:55:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.498 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion:131 Resp: 81087
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.9
119 65.1 32.1 96.5





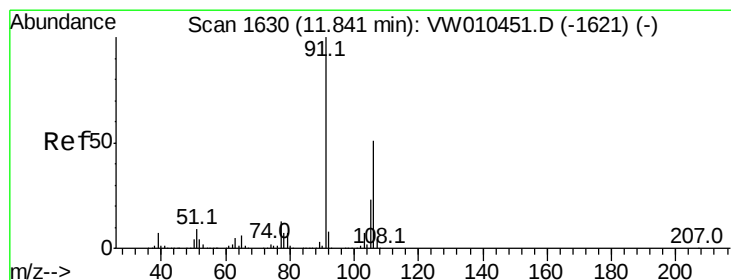
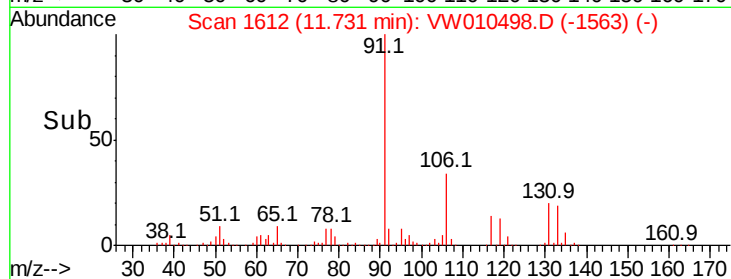
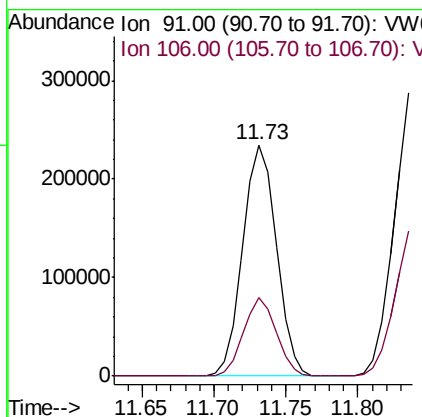
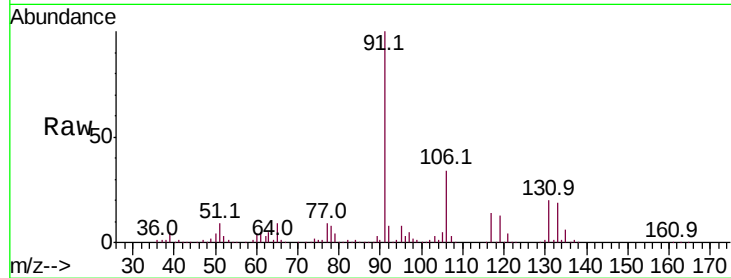
#67
Ethyl Benzene
Concen: 49.140 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.7	25.9	38.9

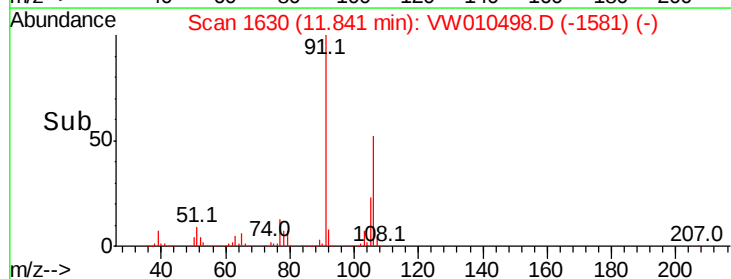
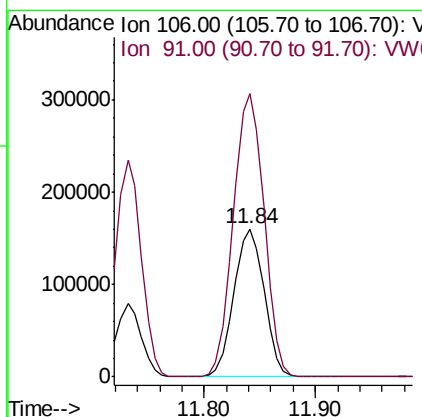
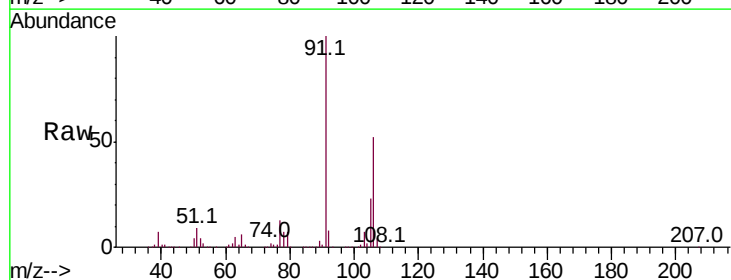
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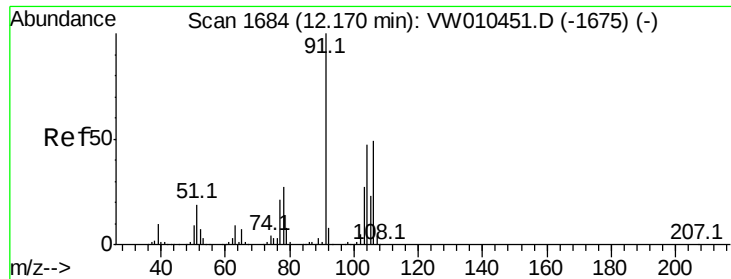
MMDadoda
5/22/2019 11:55:14 AM



#68
m/p-Xylenes
Concen: 99.209 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.6	156.0	234.0





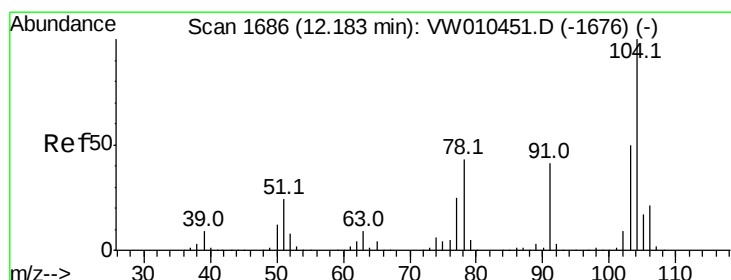
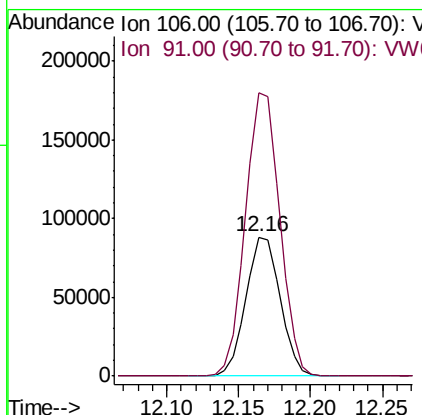
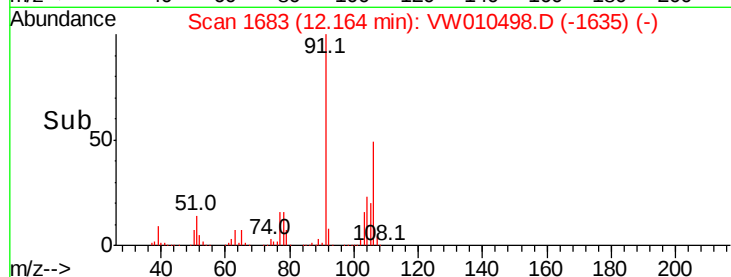
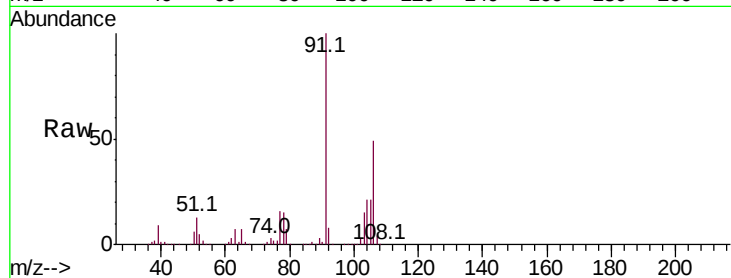
#69
o-Xylene
Concen: 50.519 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.5	103.2	309.4

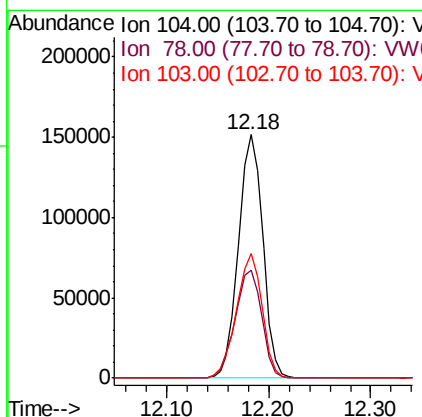
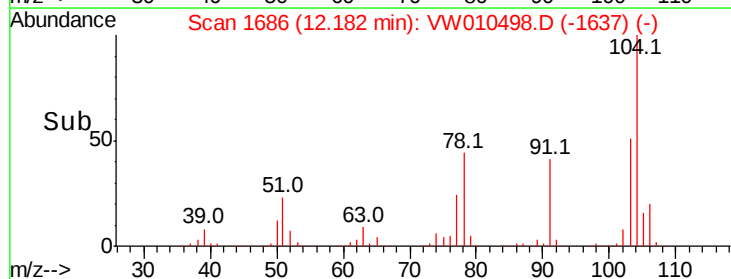
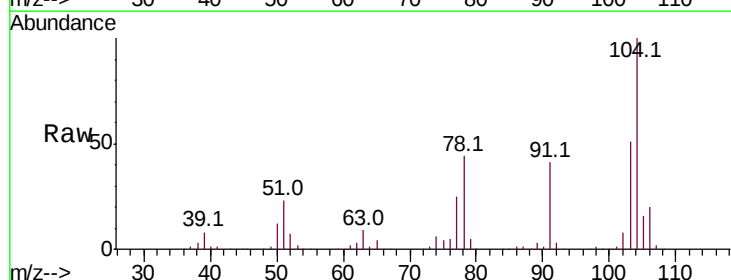
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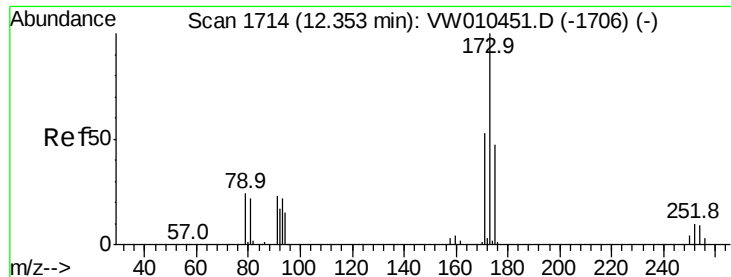
MMDadoda
5/22/2019 11:55:14 AM



#70
Styrene
Concen: 51.026 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.0	58.4
103	53.7	43.0	64.6





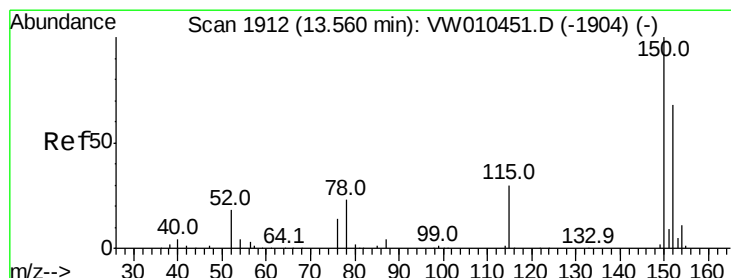
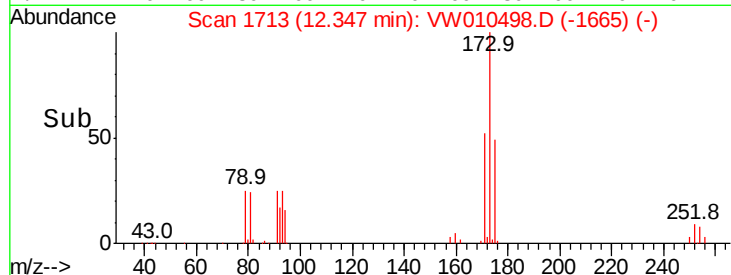
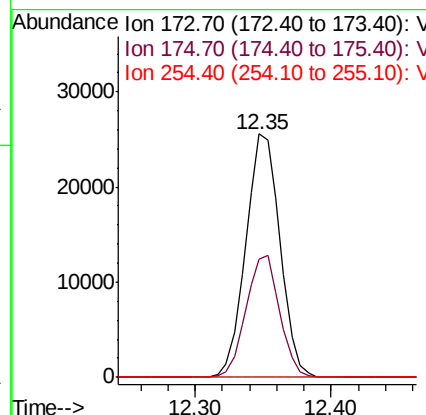
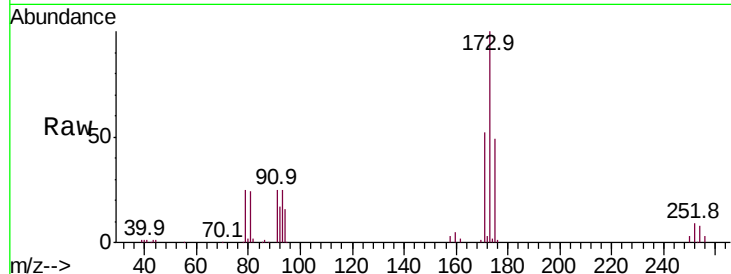
#71
Bromoform
Concen: 51.929 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.0	0.0

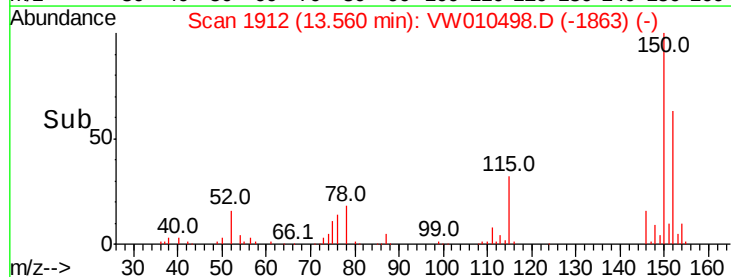
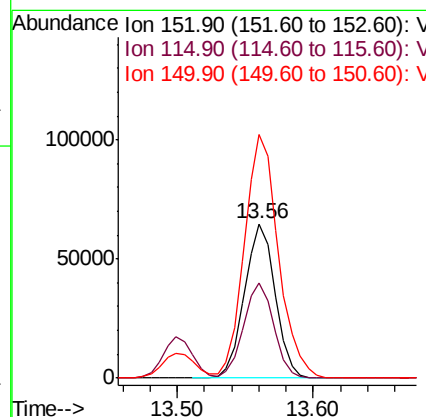
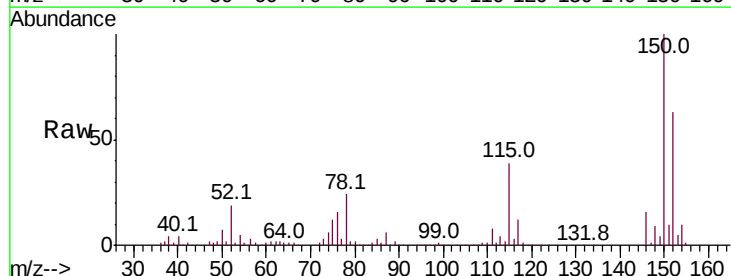
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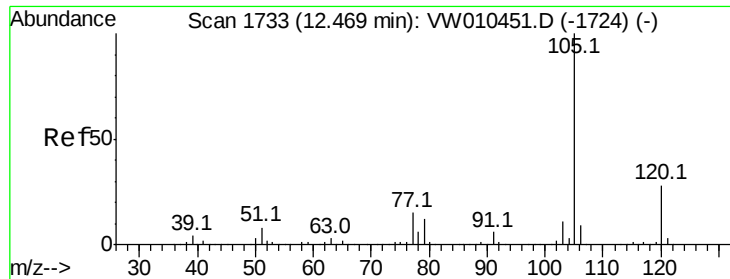
MMDadoda
5/22/2019 11:55:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.3	91.0
150	175.0	0.0	349.8





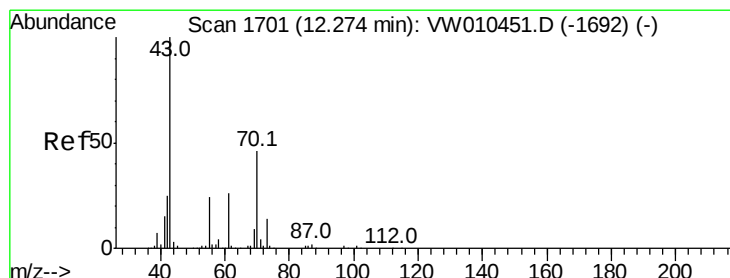
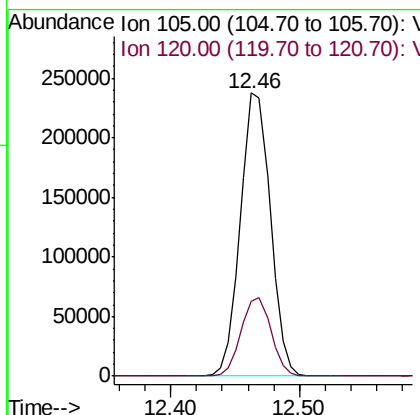
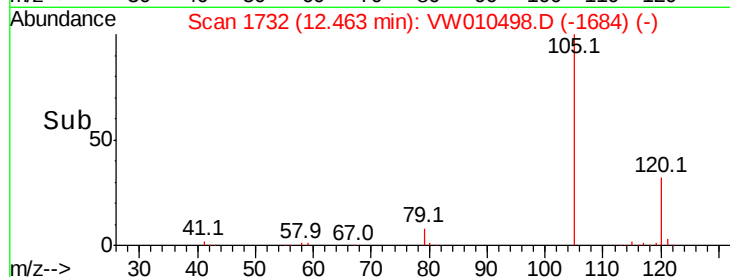
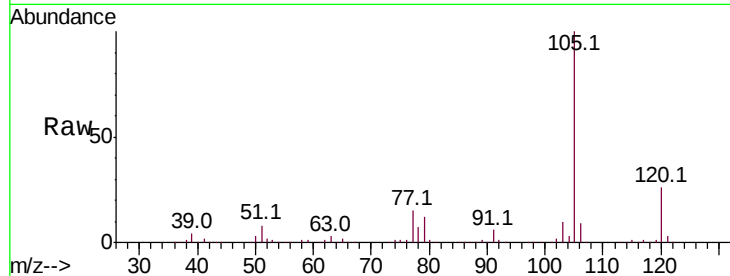
#73
Isopropylbenzene
Concen: 47.431 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 383748
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.7

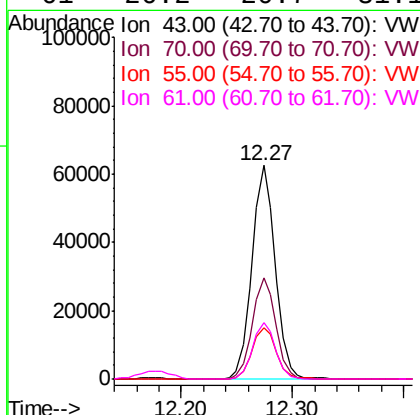
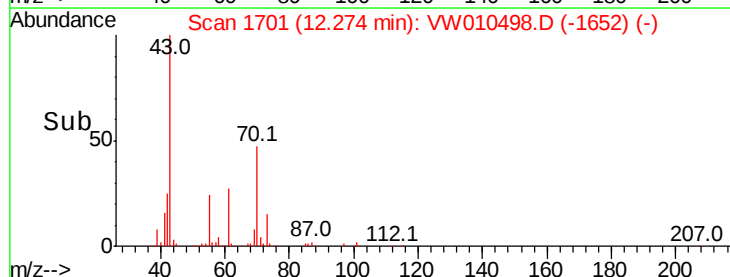
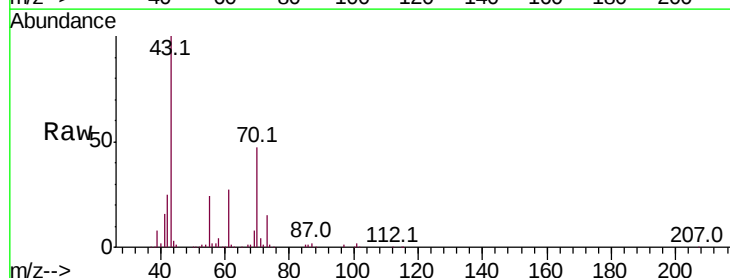
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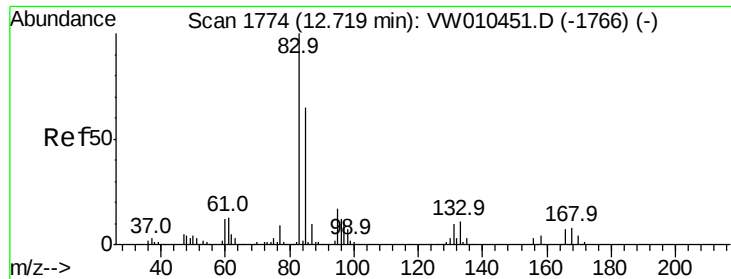
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#74
N-ethyl acetate
Concen: 49.181 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion: 43 Resp: 91181
Ion Ratio Lower Upper
43 100
70 47.7 37.1 55.7
55 25.2 19.6 29.4
61 26.2 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.606 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

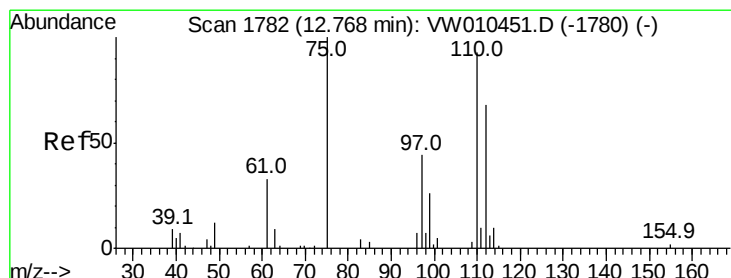
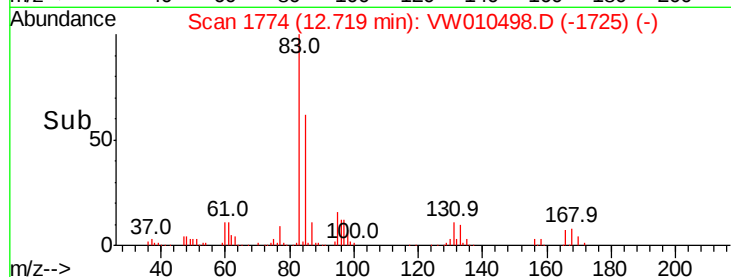
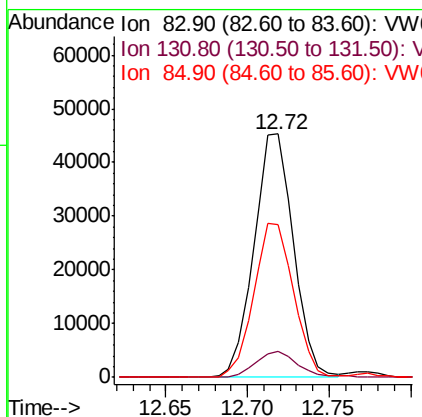
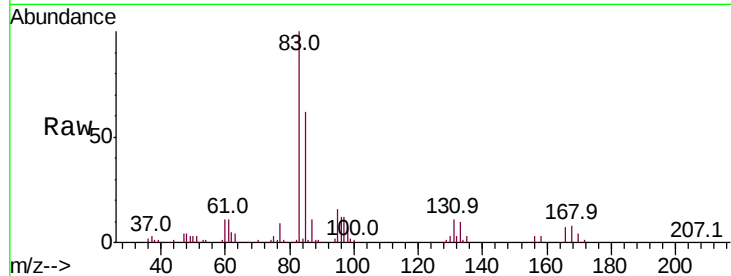
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	75943
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	63.9	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 50.582 ug/l m

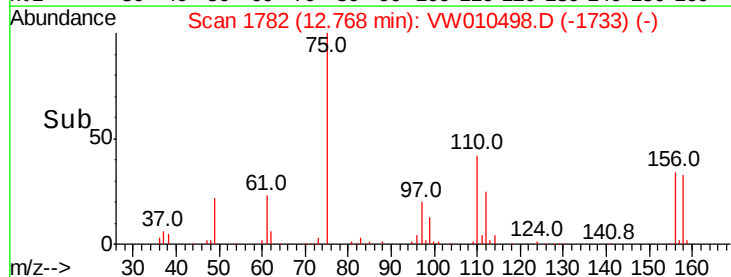
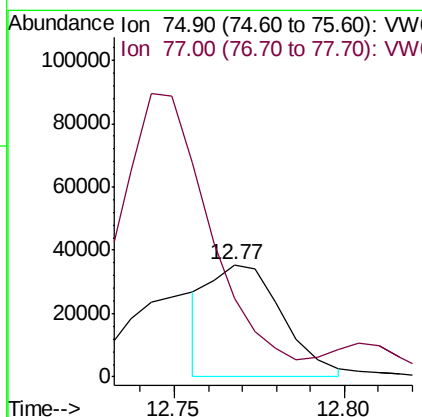
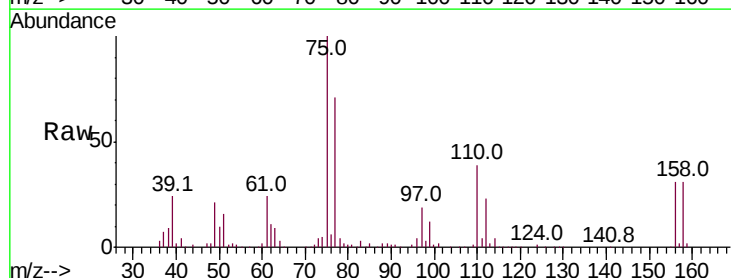
RT: 12.77 min Scan# 1782

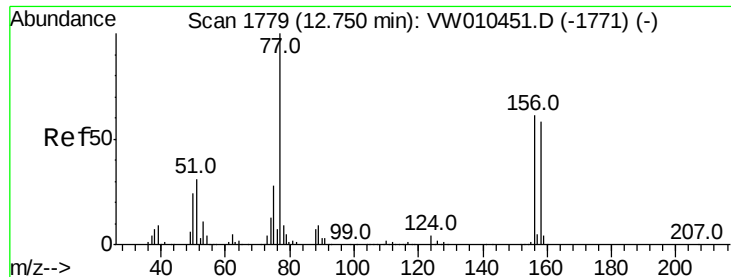
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion:	75	Resp:	52349
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 50.403 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 91256

Ion Ratio Lower Upper

156 100

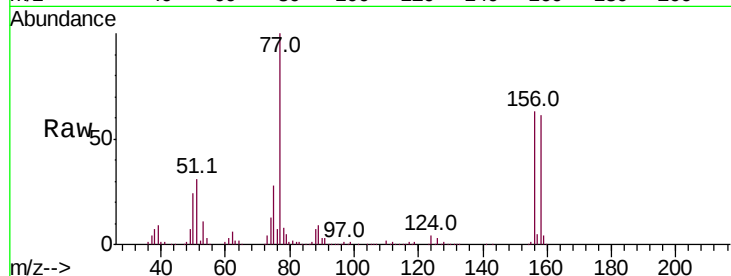
77 185.3 92.4 277.2

158 97.0 48.3 144.8

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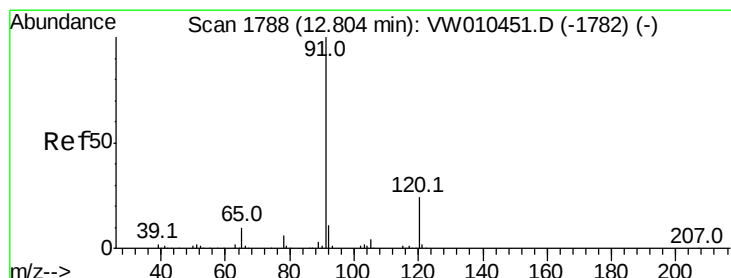
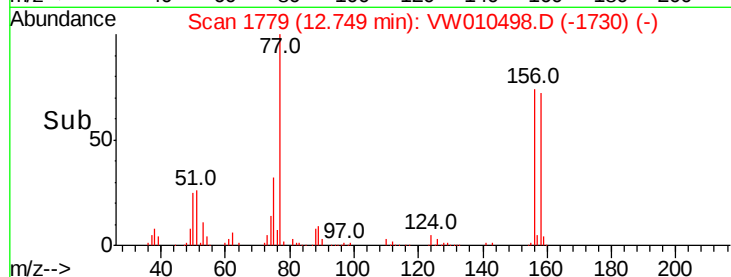
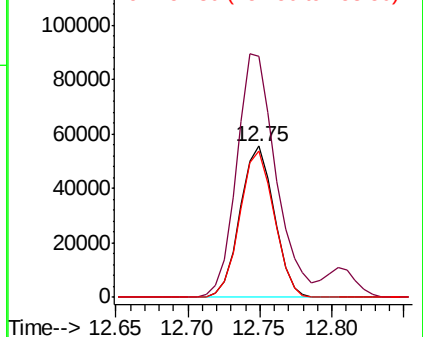
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.715 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010498.D

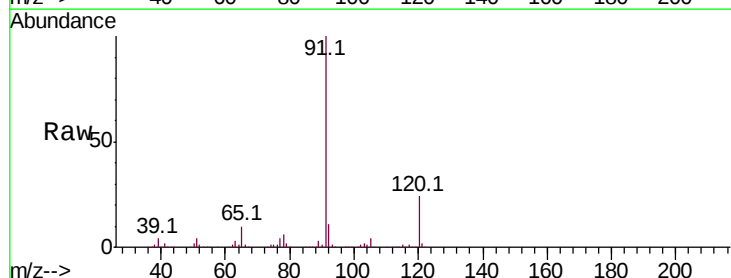
Acq: 21 May 2019 20:31

Tgt Ion: 91 Resp: 440462

Ion Ratio Lower Upper

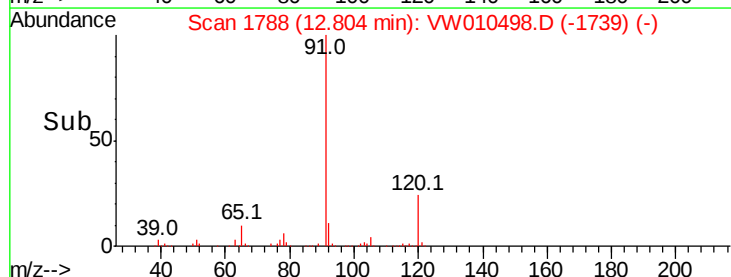
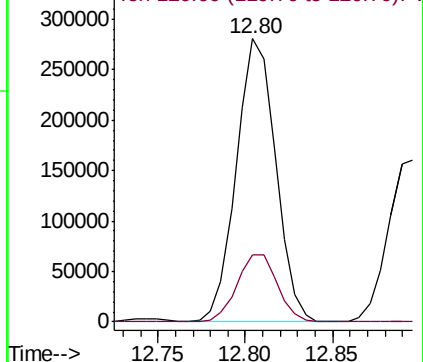
91 100

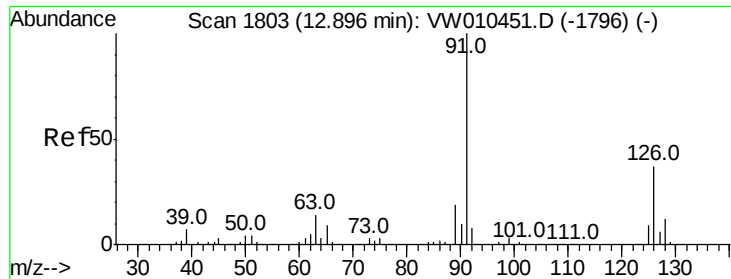
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.978 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 262338

Ion Ratio Lower Upper

91 100

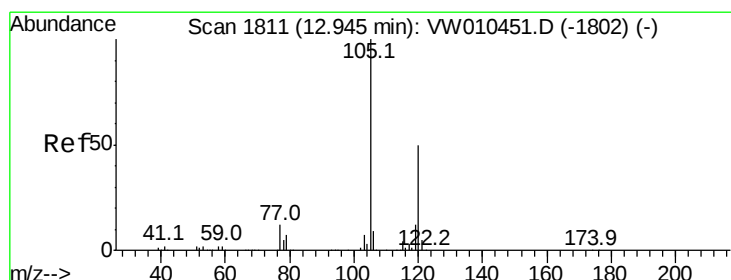
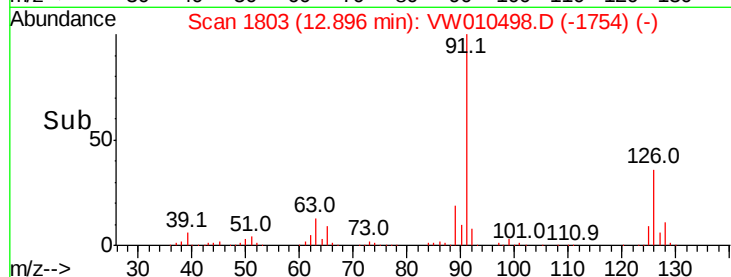
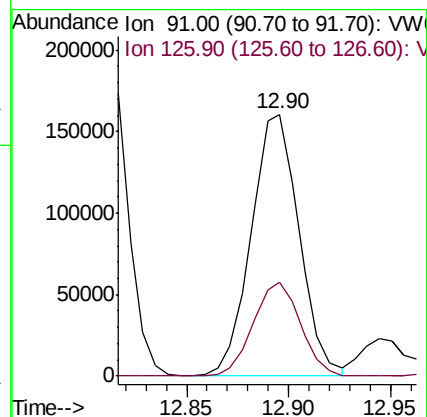
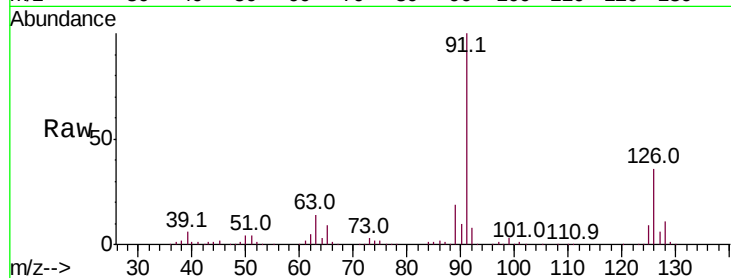
126 35.2 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 48.185 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010498.D

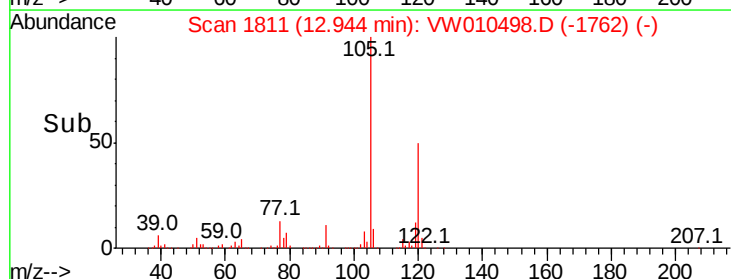
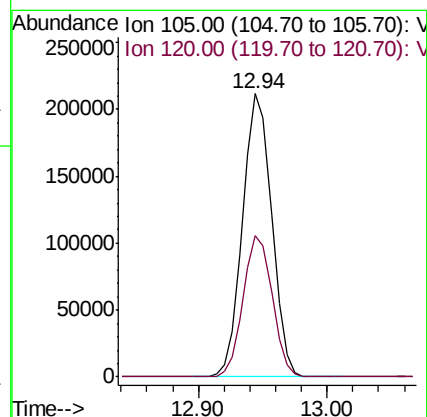
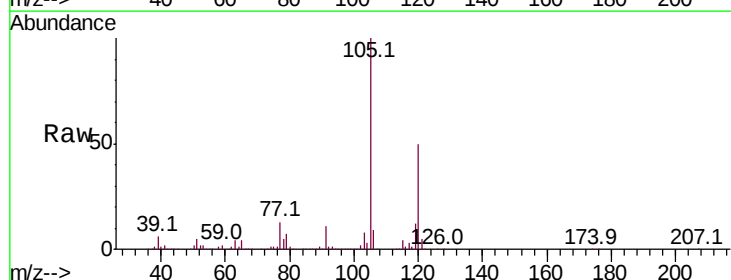
Acq: 21 May 2019 20:31

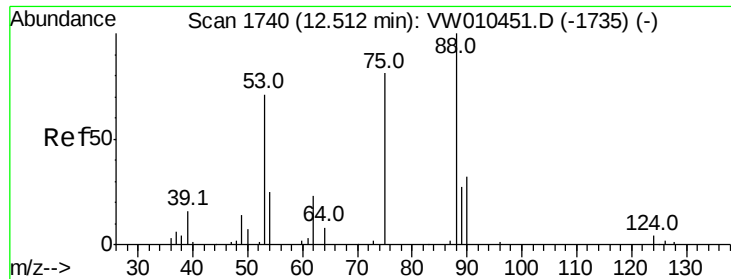
Tgt Ion:105 Resp: 330181

Ion Ratio Lower Upper

105 100

120 50.1 25.2 75.6





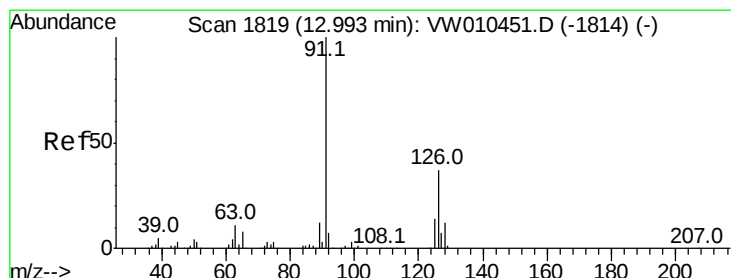
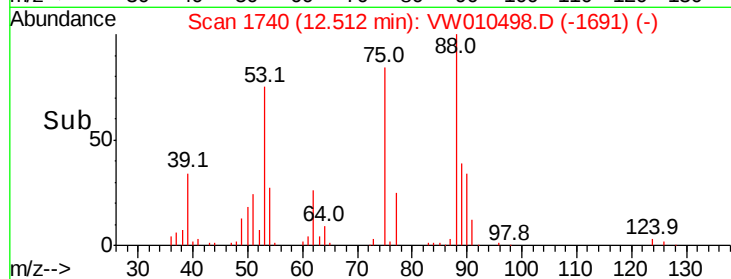
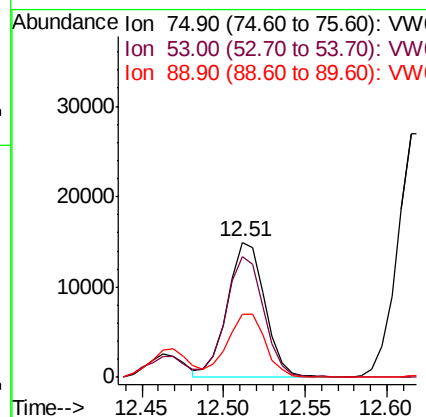
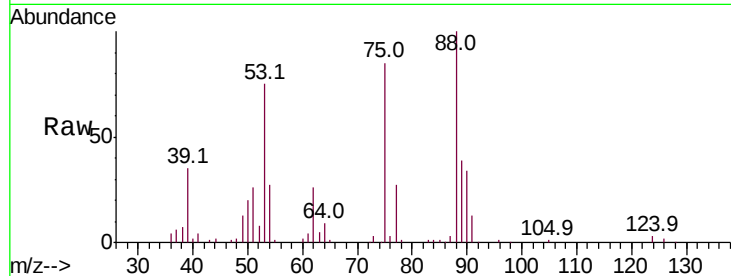
#81
trans-1,4-Dichloro-2-butene
Concen: 48.489 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	69.8	104.8
89	47.1	39.5	59.3

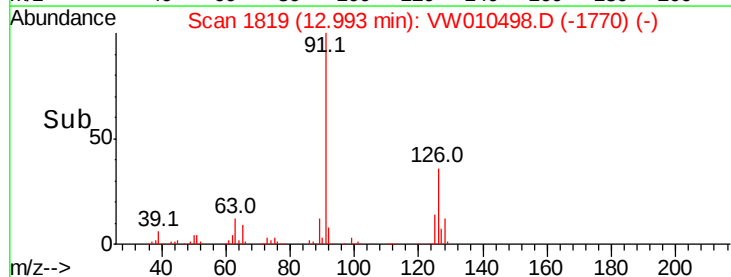
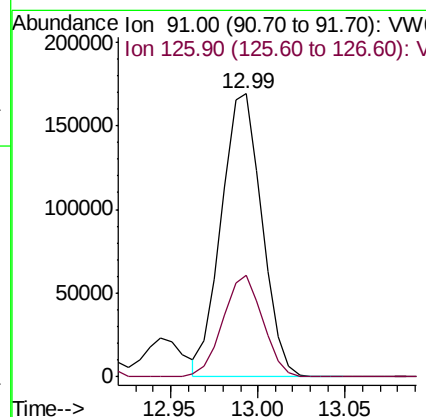
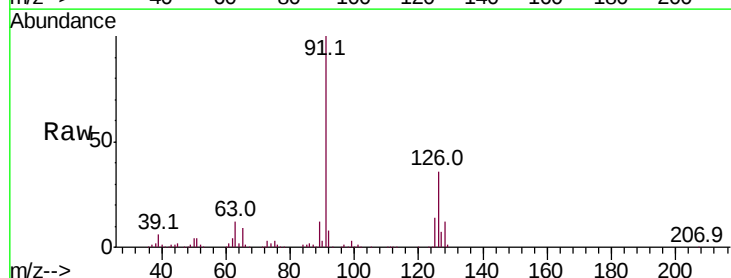
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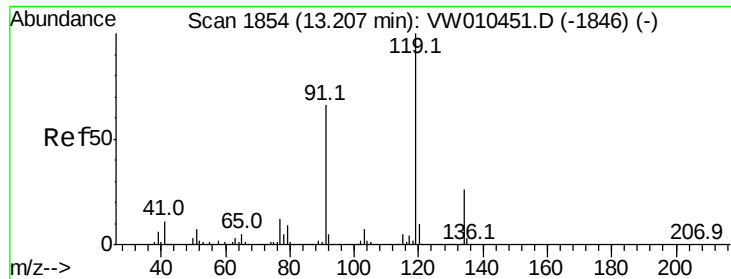
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#82
4-Chlorotoluene
Concen: 48.081 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.6





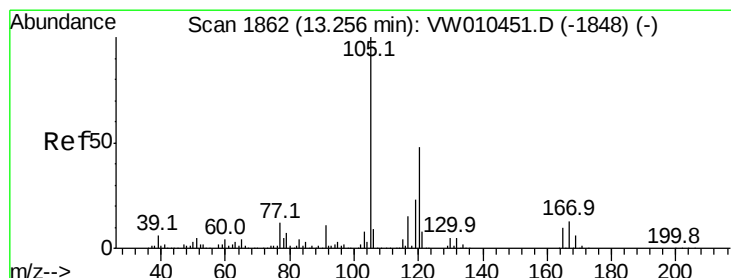
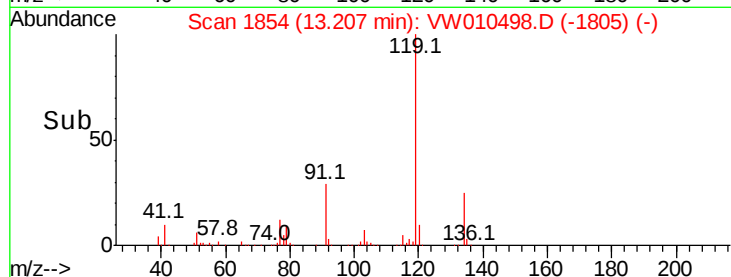
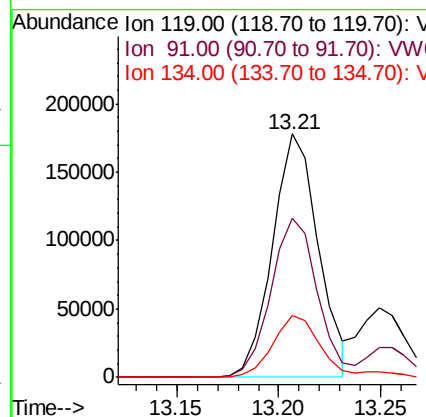
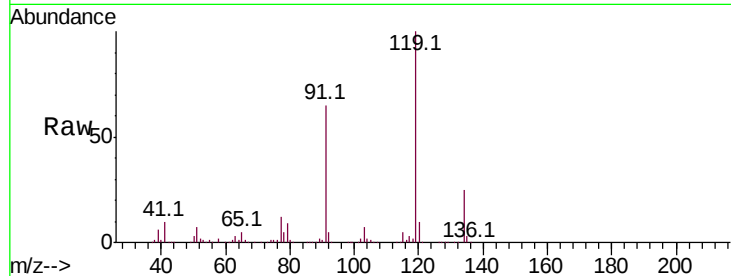
#83
tert-Butylbenzene
Concen: 46.672 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279356		
91	66.6		33.1	99.5
134	27.7		13.9	41.6

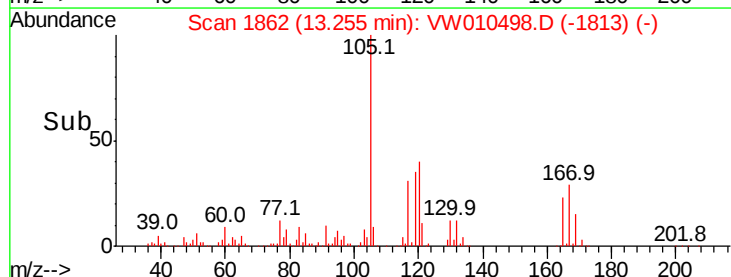
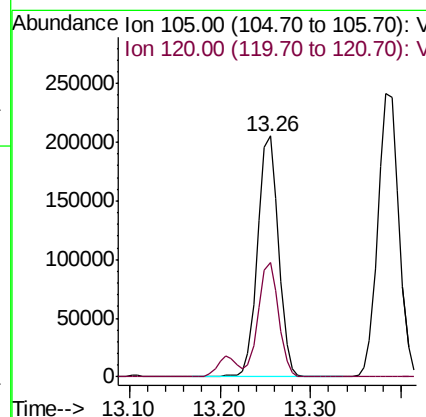
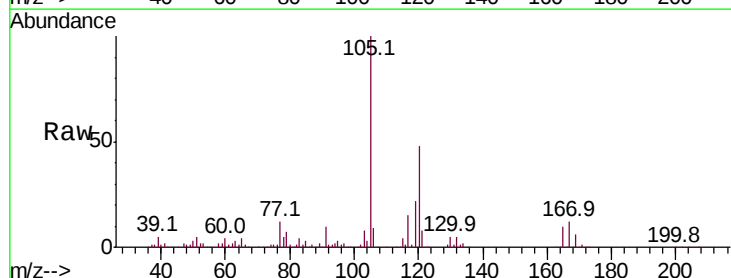
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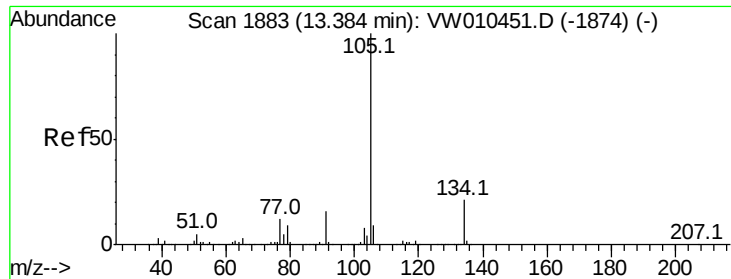
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#84
1,2,4-Trimethylbenzene
Concen: 48.176 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	328788		
120	46.4		23.4	70.2





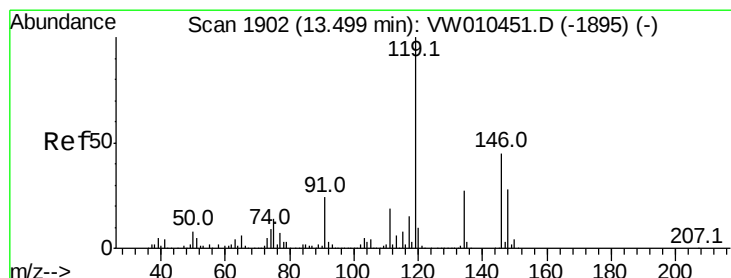
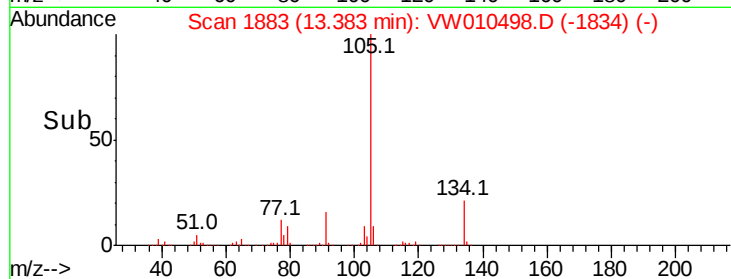
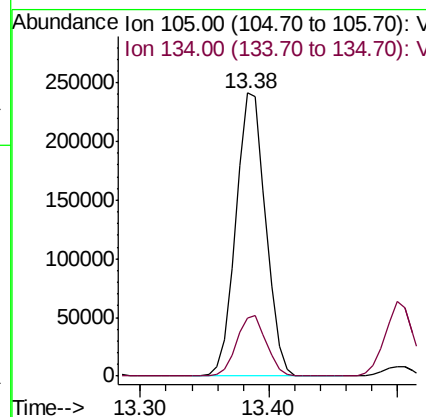
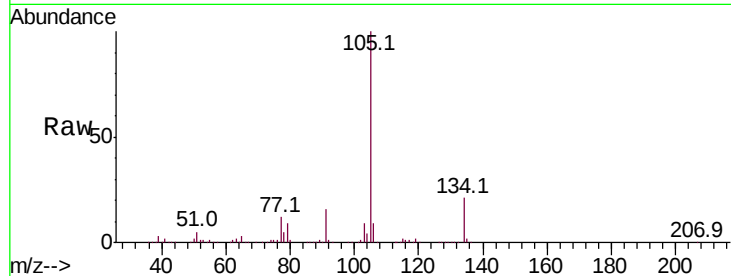
#85
 sec-Butylbenzene
 Concen: 46.278 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.6

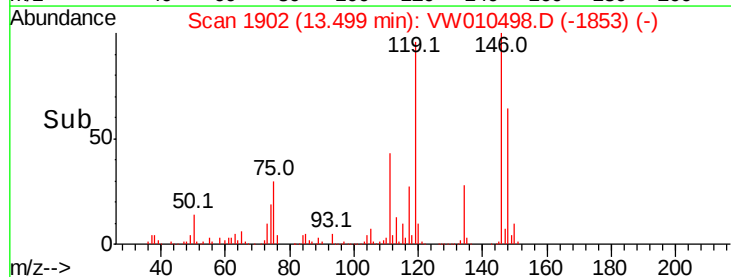
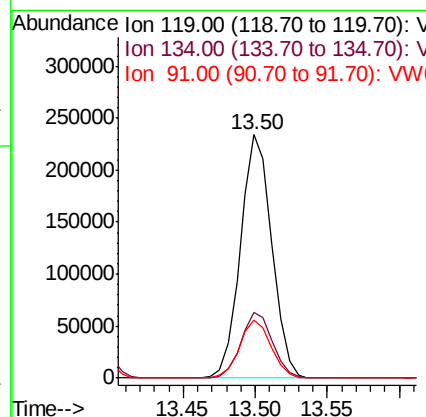
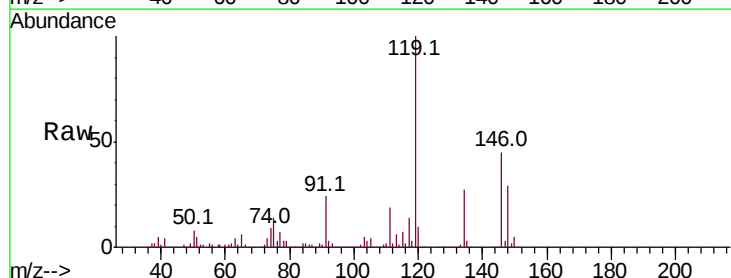
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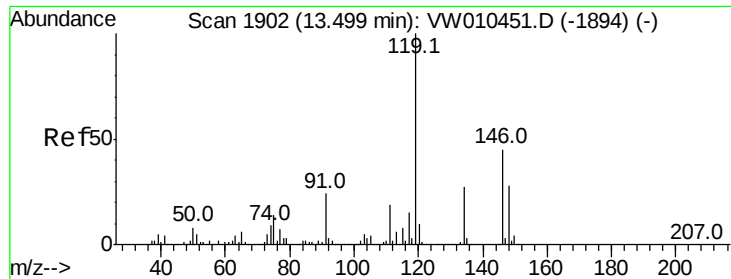
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#86
 p-Isopropyltoluene
 Concen: 46.481 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010498.D
 Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	23.9	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 48.644 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

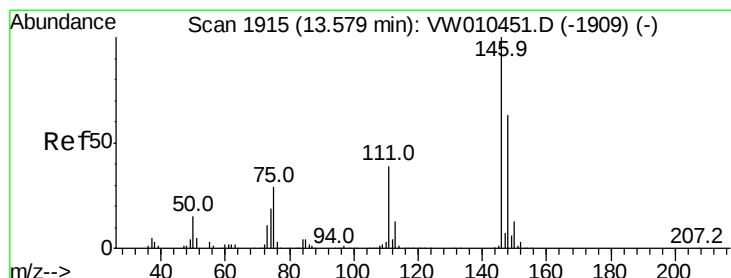
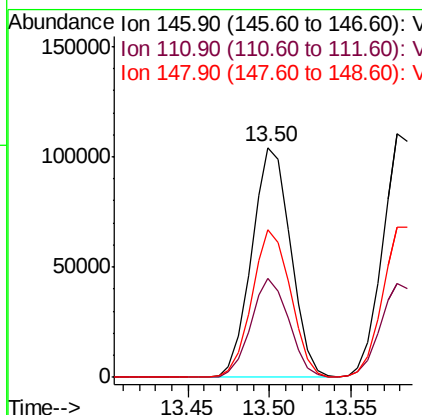
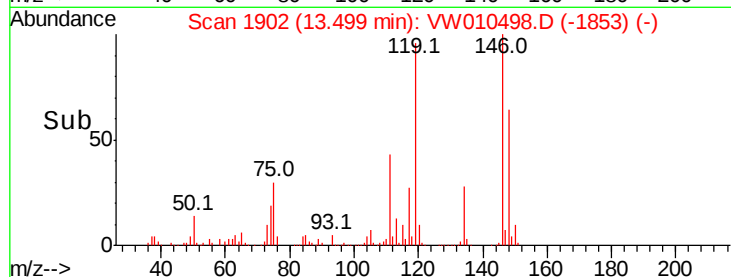
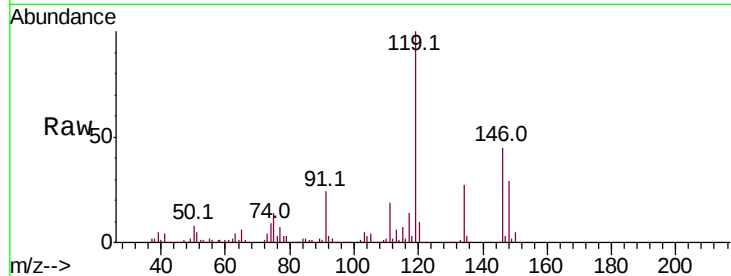
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	172790		
111	41.9	20.3	60.9	
148	63.8	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.047 ug/l

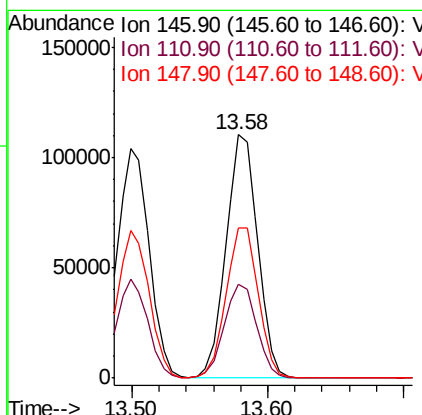
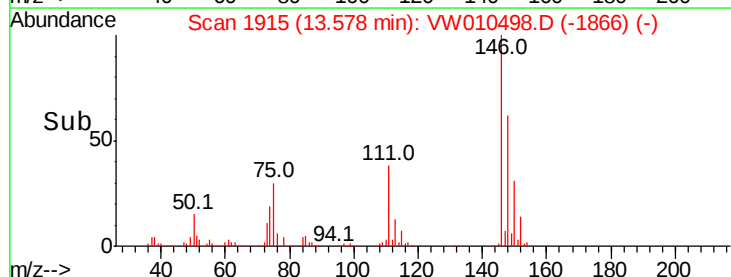
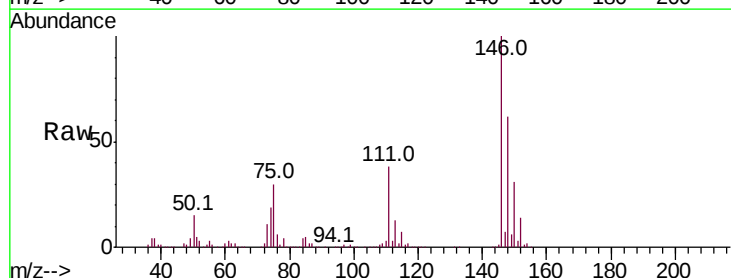
RT: 13.58 min Scan# 1915

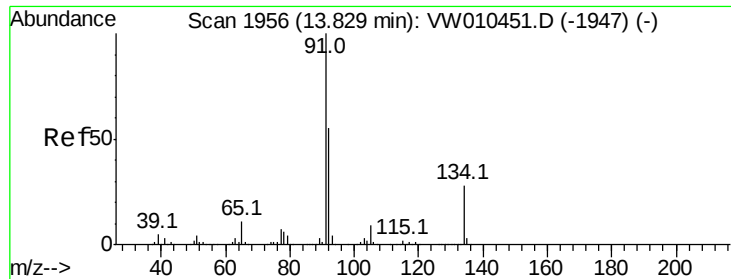
Delta R.T. -0.00 min

Lab File: VW010498.D

Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178365		
111	39.7	19.9	59.6	
148	62.9	31.6	94.8	





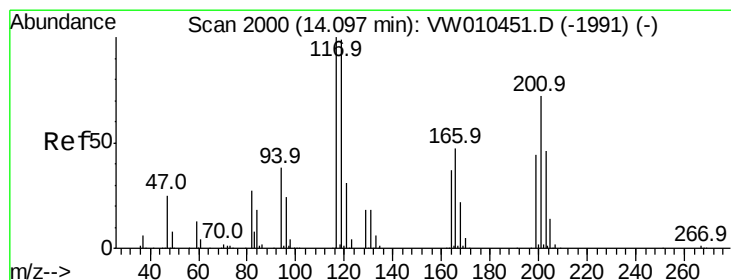
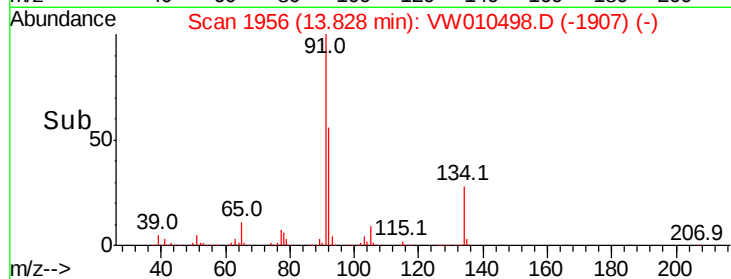
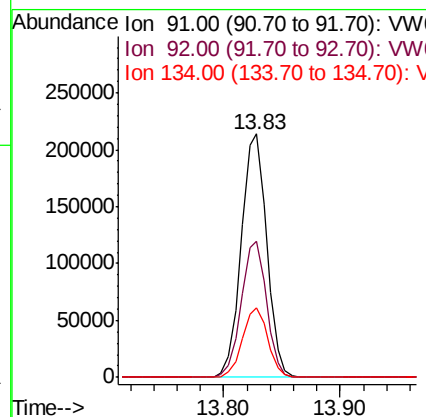
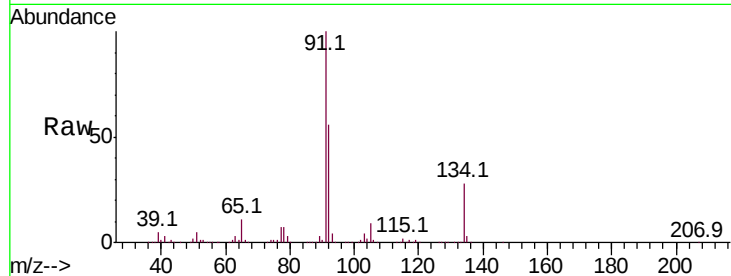
#89
n-Butylbenzene
Concen: 45.304 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.1
134	28.3	13.9	41.6

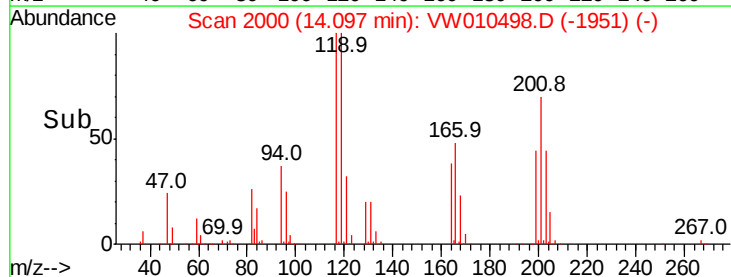
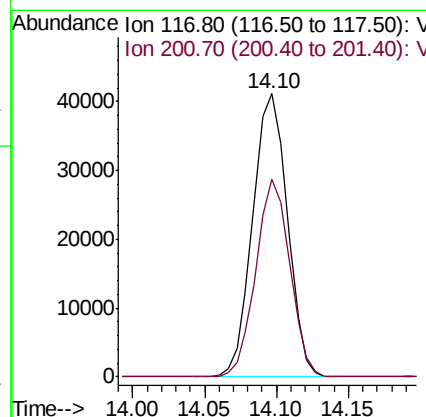
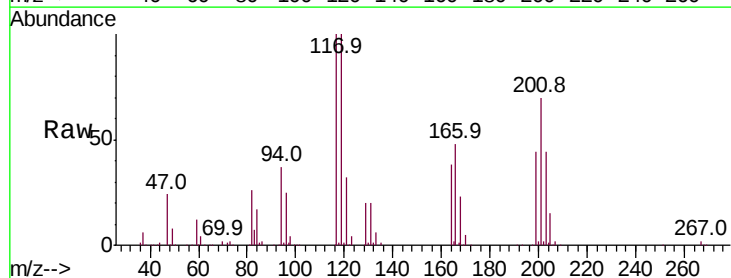
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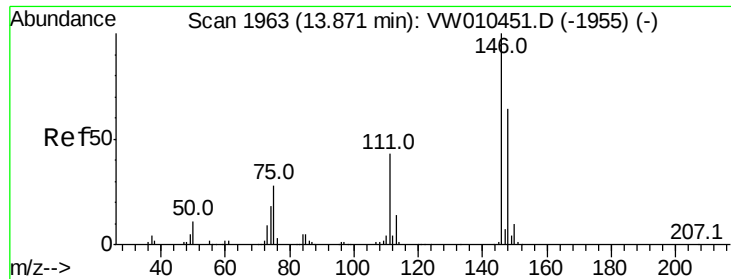
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#90
Hexachloroethane
Concen: 46.726 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.6	103.8





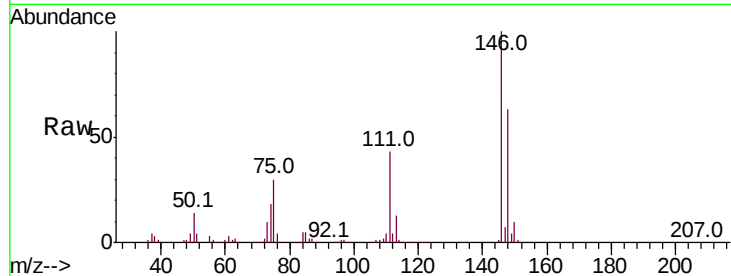
#91
1,2-Dichlorobenzene
Concen: 50.114 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	64.2	32.0	96.0

Manual Integrations
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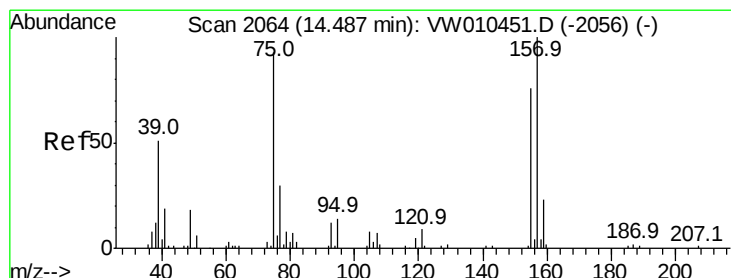
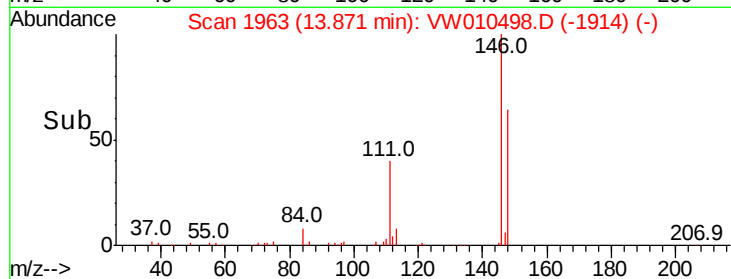
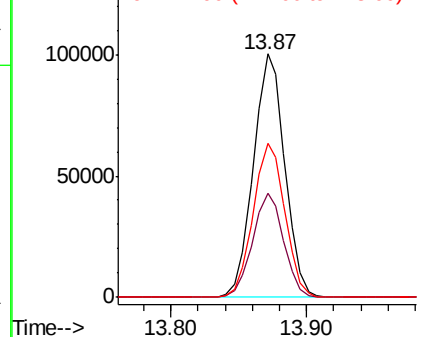


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.027 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

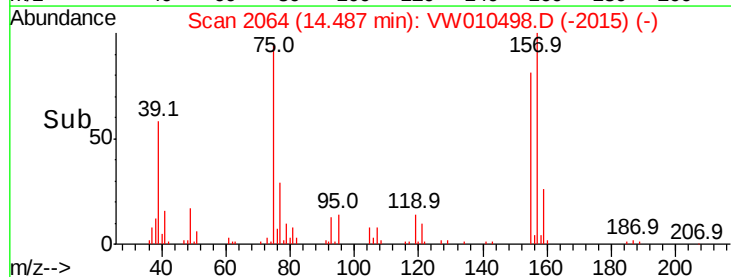
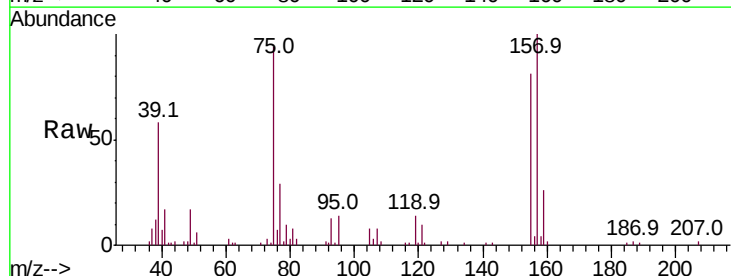
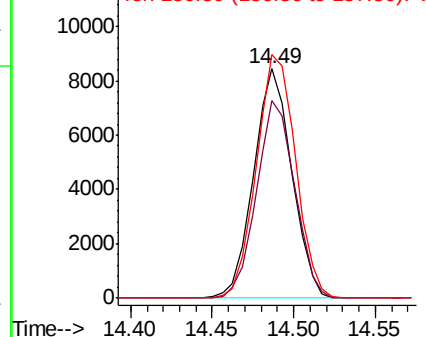
Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.0	129.0
157	109.2	55.7	167.1

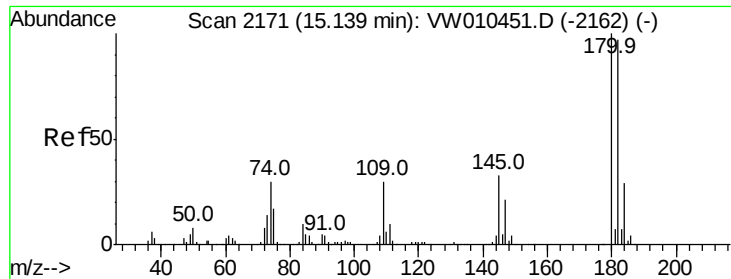
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





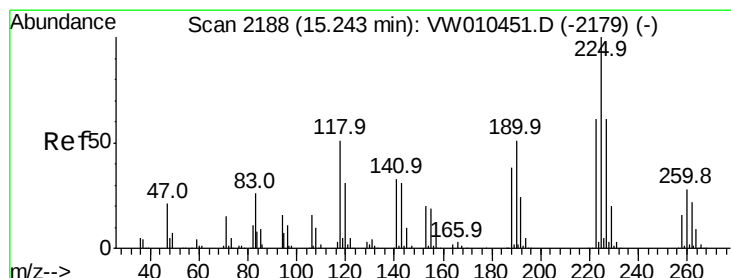
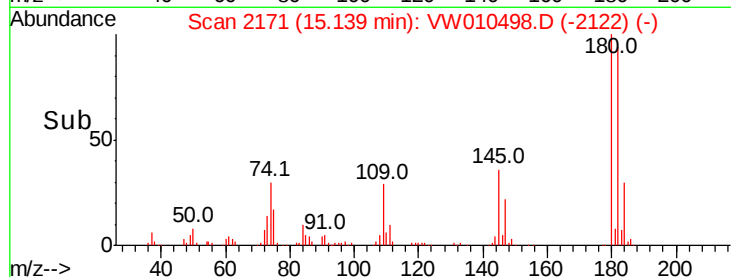
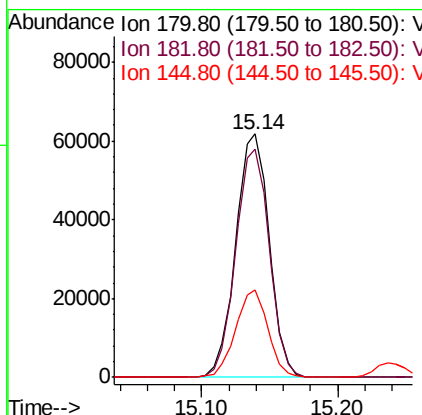
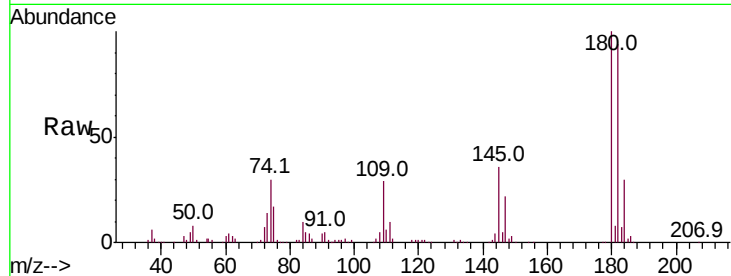
#93
1,2,4-Trichlorobenzene
Concen: 48.226 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.0	141.2	
145	34.6	16.7	50.0	

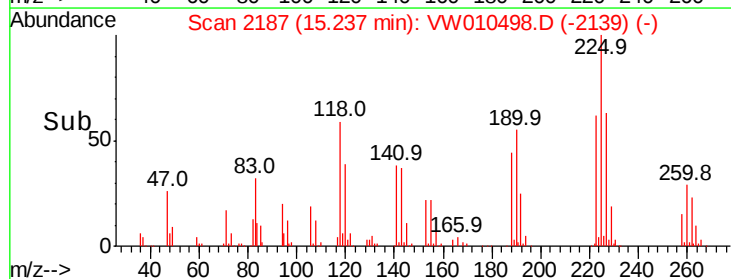
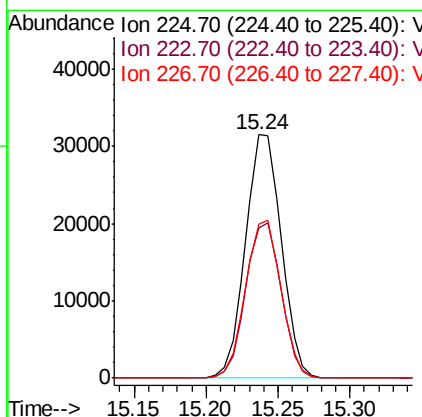
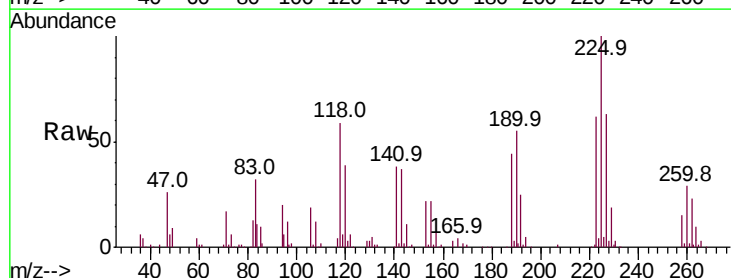
Manual Integrations
APPROVED

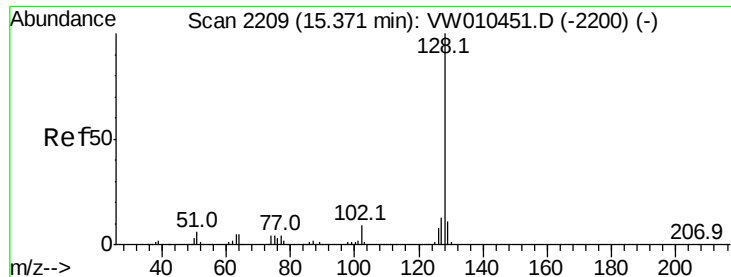
MMDadoda
5/22/2019 11:55:14 AM



#94
Hexachlorobutadiene
Concen: 46.185 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.1	93.2	
227	63.9	31.1	93.5	





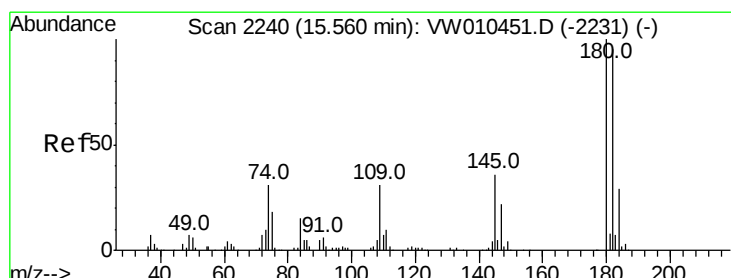
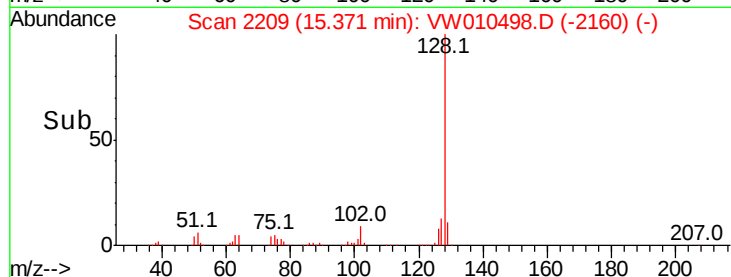
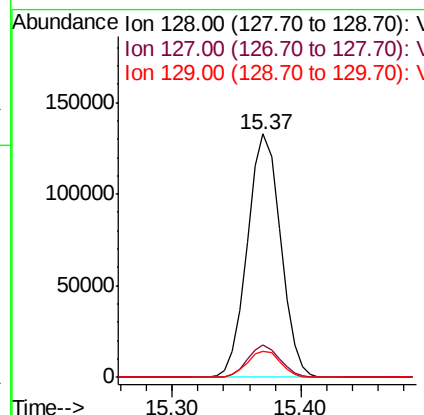
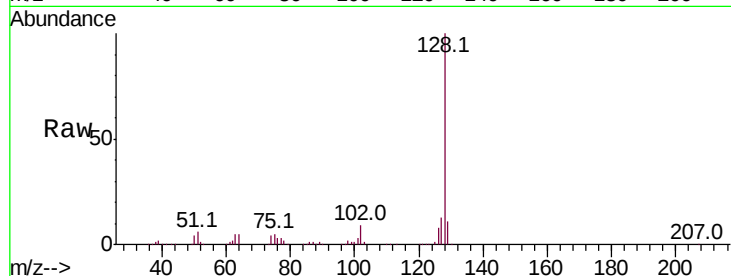
#95
Naphthalene
Concen: 51.149 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	236440		
127	13.0		10.6	15.8
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/22/2019 11:55:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.515 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010498.D
Acq: 21 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93824		
182	95.6		47.1	141.3
145	36.2		17.4	52.3

