

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
 Data File : VW010629.D
 Acq On : 31 May 2019 11:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:44:27 AM

Quant Time: Jun 01 05:00:04 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	139219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	226658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	63100	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	
35) Dibromofluoromethane	7.88	113	68759	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.32	98	262551	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.62	95	99572	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58664	47.284	ug/l	100
3) Chloromethane	2.21	50	59976	41.003	ug/l	99
4) Vinyl Chloride	2.35	62	68245	40.279	ug/l	99
5) Bromomethane	2.75	94	48497	41.607	ug/l	95
6) Chloroethane	2.91	64	47782	43.931	ug/l	100
7) Trichlorofluoromethane	3.25	101	130106	52.012	ug/l	95
8) Diethyl Ether	3.68	74	36509	46.043	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	79957	51.904	ug/l	97
10) Methyl Iodide	4.27	142	85807	48.733	ug/l	98
11) Tert butyl alcohol	5.16	59	30153	233.283	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	74264	50.502	ug/l	98
13) Acrolein	3.89	56	15629	203.350	ug/l	100
14) Allyl chloride	4.67	41	99677	46.828	ug/l	99
15) Acrylonitrile	5.37	53	69976	210.719	ug/l	98
16) Acetone	4.12	43	75742	258.224	ug/l	99
17) Carbon Disulfide	4.38	76	199513	45.487	ug/l	99
18) Methyl Acetate	4.67	43	28832	40.191	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	170054	45.362	ug/l	97
20) Methylene Chloride	4.92	84	75800	43.370	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	84255	49.952	ug/l	99
22) Diisopropyl ether	6.31	45	202558	46.410	ug/l	97
23) Vinyl Acetate	6.26	43	577159	221.376	ug/l	99
24) 1,1-Dichloroethane	6.22	63	129243	49.621	ug/l	99
25) 2-Butanone	7.17	43	93953	223.822	ug/l	93
26) 2,2-Dichloropropane	7.17	77	131063	52.827	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	91636	49.971	ug/l	100
28) Bromochloromethane	7.51	49	43554	46.705	ug/l	92
29) Tetrahydrofuran	7.53	42	55993	197.126	ug/l	99
30) Chloroform	7.68	83	141547	50.383	ug/l	100
31) Cyclohexane	7.96	56	124815	45.749	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	137267	51.120	ug/l	99
36) 1,1-Dichloropropene	8.08	75	112726	53.388	ug/l	99
37) Ethyl Acetate	7.25	43	39676	44.189	ug/l	98
38) Carbon Tetrachloride	8.07	117	124557	54.686	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	150505	53.204	ug/l	97
40) Benzene	8.32	78	311646	53.104	ug/l	100
41) Methacrylonitrile	7.48	41	22975	43.065	ug/l	99
42) 1,2-Dichloroethane	8.40	62	84303	50.261	ug/l	99
43) Isopropyl Acetate	8.43	43	77844	43.397	ug/l	98
44) Trichloroethene	9.09	130	95853	55.016	ug/l	100
45) 1,2-Dichloropropane	9.37	63	71716	51.454	ug/l	98
46) Dibromomethane	9.46	93	40845	50.110	ug/l	95
47) Bromodichloromethane	9.65	83	103807	50.678	ug/l	98
48) Methyl methacrylate	9.43	41	35156	42.840	ug/l	95
49) 1,4-Dioxane	9.45	88	11278	846.990	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	197004	216.739	ug/l	99
52) Toluene	10.39	92	212280	53.862	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	102353	49.338	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	121964	51.478	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59292	50.584	ug/l	95
56) Ethyl methacrylate	10.65	69	74325	45.977	ug/l	97
57) 1,3-Dichloropropane	10.93	76	98572	50.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	165582	231.250	ug/l	97
59) 2-Hexanone	10.97	43	146228	225.523	ug/l	99
60) Dibromochloromethane	11.13	129	75502	50.896	ug/l	99
61) 1,2-Dibromoethane	11.24	107	59195	49.854	ug/l	99
64) Tetrachloroethene	10.86	164	78244	55.874	ug/l	97
65) Chlorobenzene	11.66	112	233492	54.537	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	83347	54.345	ug/l	99
67) Ethyl Benzene	11.73	91	407785	53.948	ug/l	100
68) m/p-Xylenes	11.84	106	322151	108.657	ug/l	99
69) o-Xylene	12.16	106	150888	53.715	ug/l	98
70) Styrene	12.18	104	254196	53.334	ug/l	99
71) Bromoform	12.35	173	40701	48.191	ug/l #	99
73) Isopropylbenzene	12.47	105	418085	52.890	ug/l	100
74) N-amyl acetate	12.27	43	76131	42.028	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	64394	44.787	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	45237m	44.738	ug/l	
77) Bromobenzene	12.75	156	95051	53.733	ug/l	94
78) n-propylbenzene	12.80	91	478795	51.975	ug/l	98
79) 2-Chlorotoluene	12.90	91	275782	51.623	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	349361	52.183	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	20206	41.705	ug/l	97
82) 4-Chlorotoluene	12.99	91	284915	51.382	ug/l	99
83) tert-Butylbenzene	13.21	119	318228	54.417	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	344442	51.657	ug/l	100
85) sec-Butylbenzene	13.39	105	430702	52.628	ug/l	99
86) p-Isopropyltoluene	13.50	119	393017	53.056	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	183970	53.009	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	185317	53.220	ug/l	100
89) n-Butylbenzene	13.83	91	369818	52.487	ug/l	99
90) Hexachloroethane	14.10	117	73838	51.498	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	167758	53.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10915	40.827	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	118412	55.036	ug/l	99
94) Hexachlorobutadiene	15.24	225	68224	59.356	ug/l	98
95) Naphthalene	15.37	128	207111	45.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	98610	53.264	ug/l	100

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

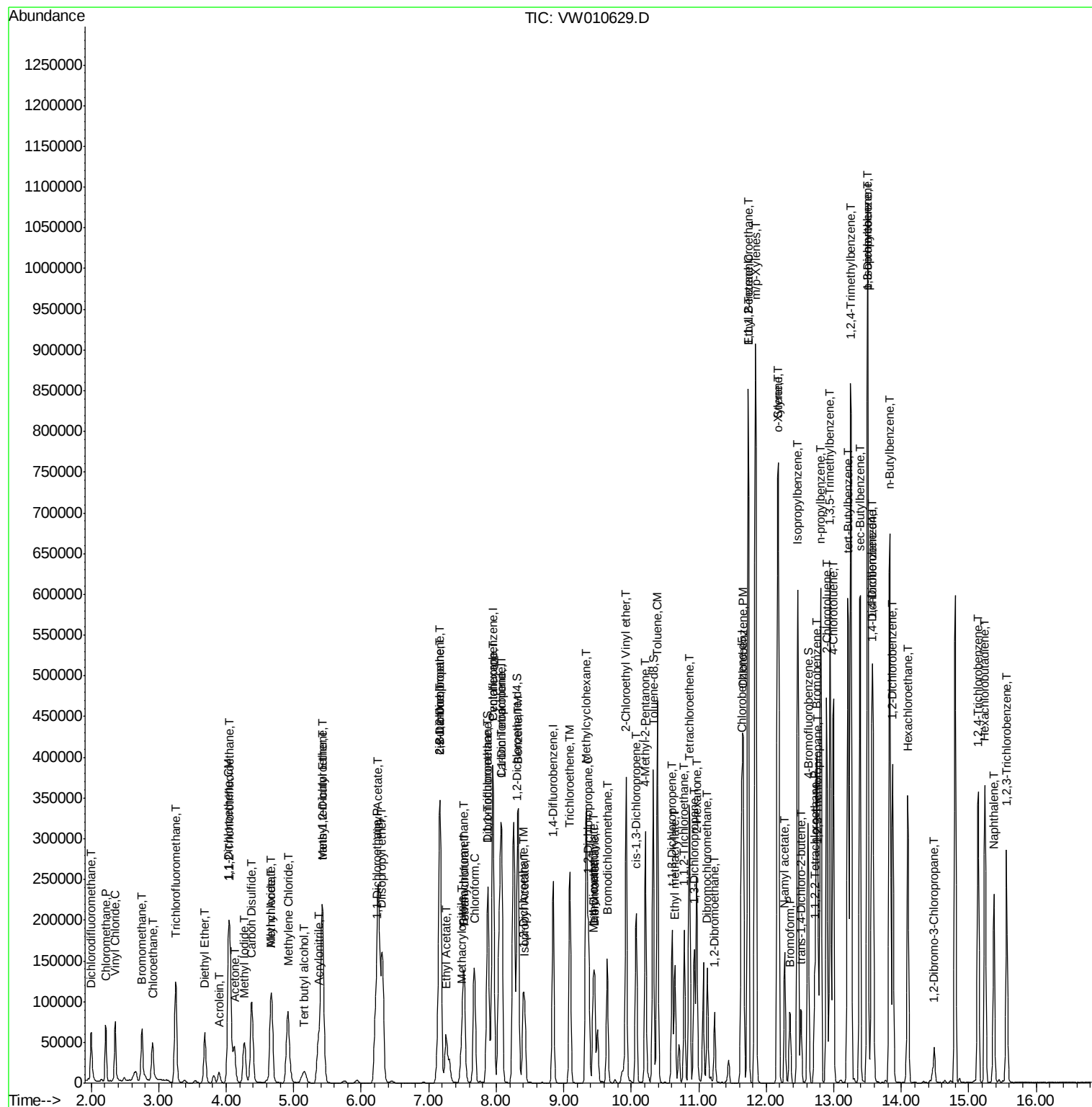
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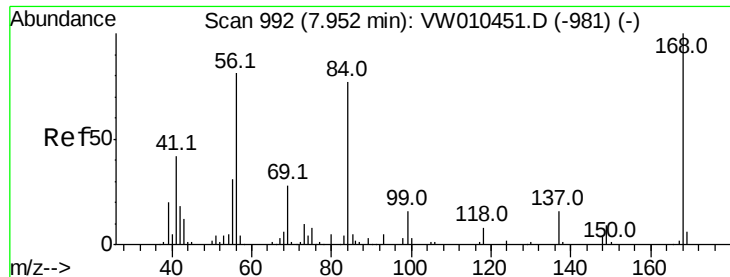
Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 139219

Ion Ratio Lower Upper

168 100

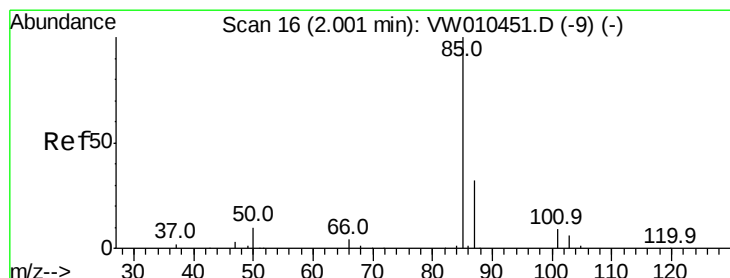
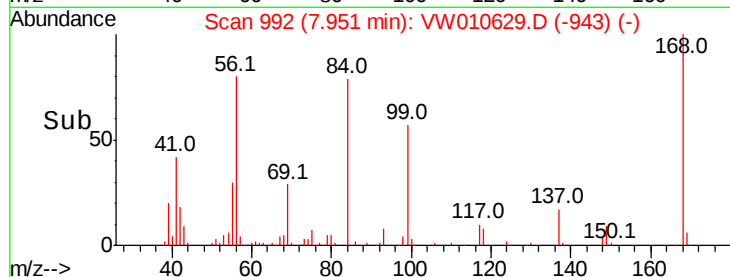
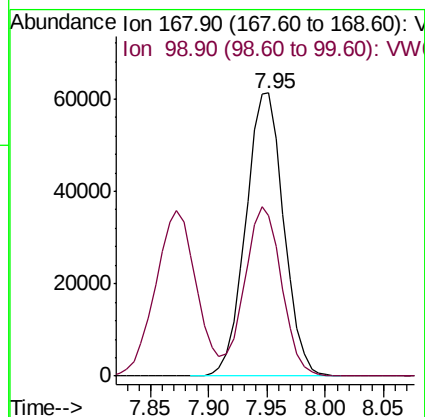
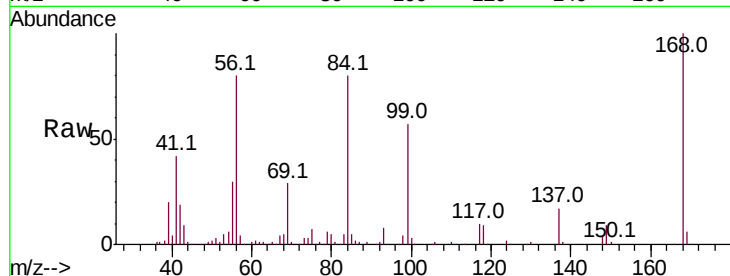
99 56.5 46.1 69.1

Manual Integrations

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6/4/2019 8:44:27 AM



#2

Dichlorodifluoromethane

Concen: 47.284 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010629.D

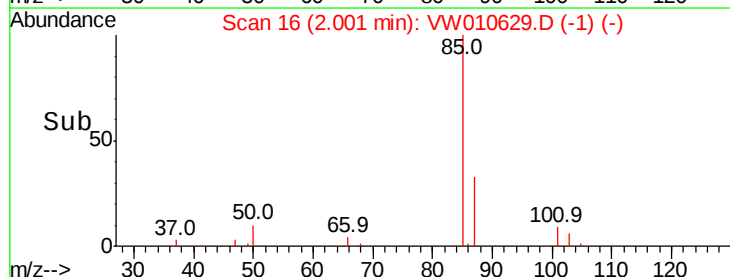
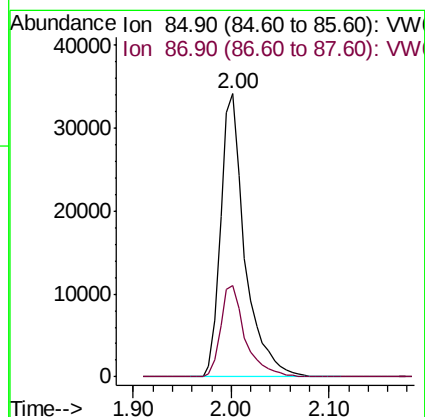
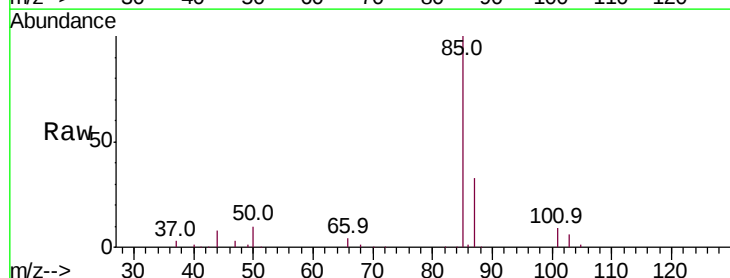
Acq: 31 May 2019 11:29

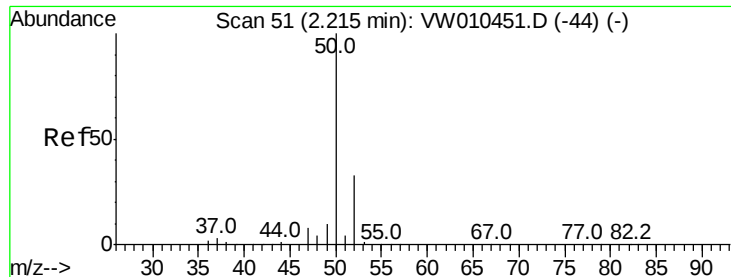
Tgt Ion: 85 Resp: 58664

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8





#3

Chloromethane

Concen: 41.003 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 59976

Ion Ratio Lower Upper

50 100

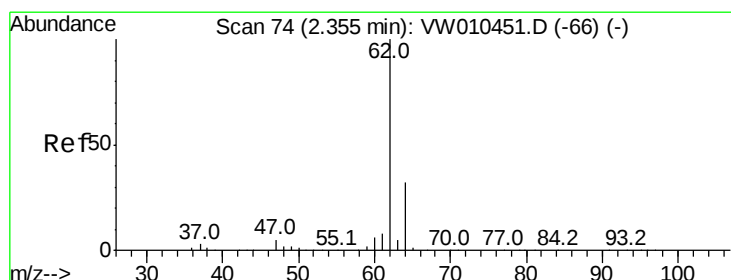
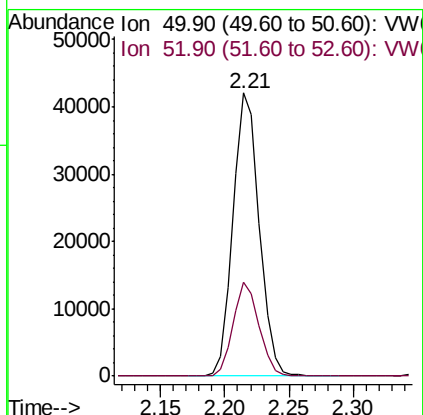
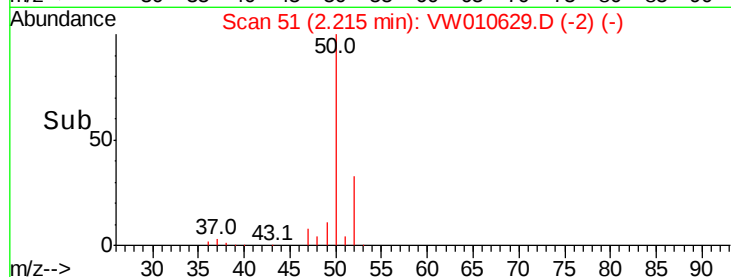
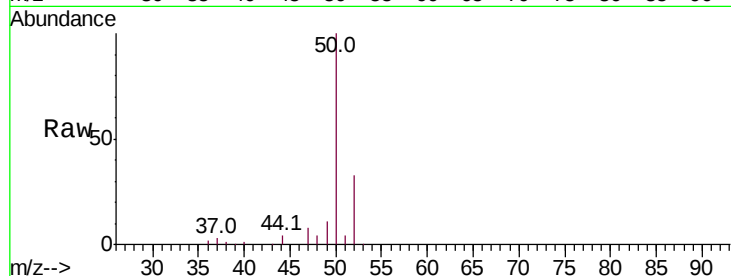
52 33.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.279 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010629.D

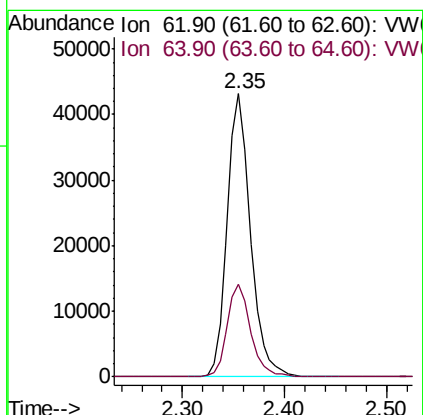
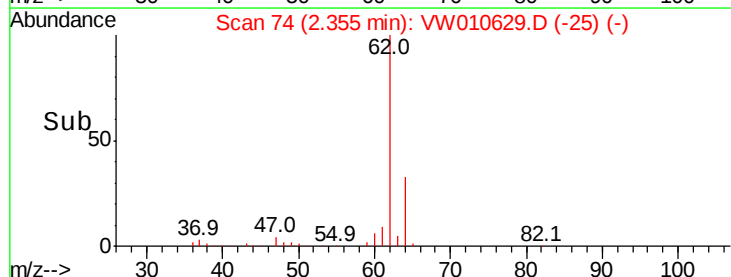
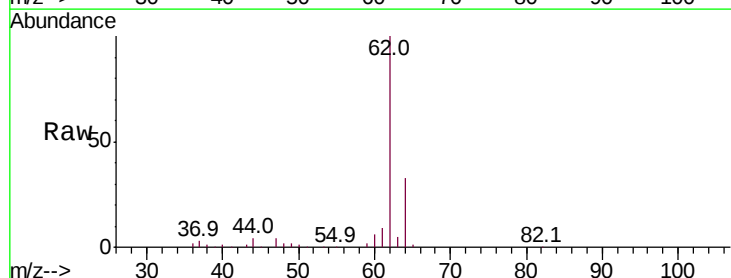
Acq: 31 May 2019 11:29

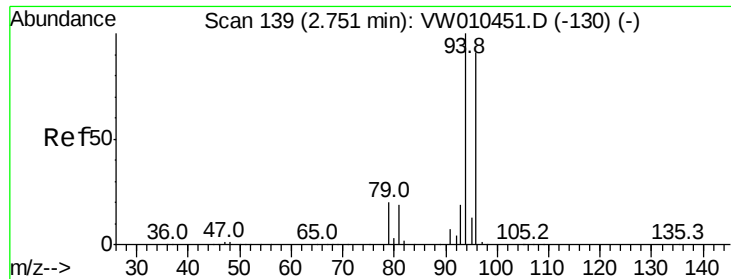
Tgt Ion: 62 Resp: 68245

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 41.607 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 48497

Ion Ratio Lower Upper

94 100

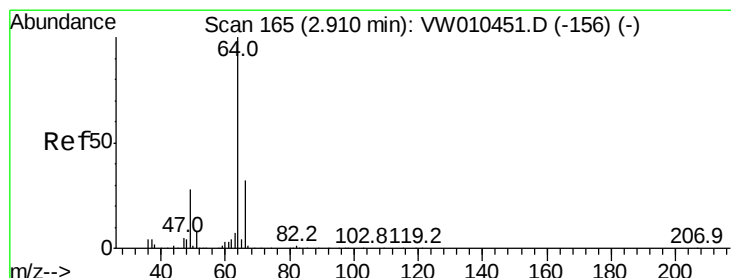
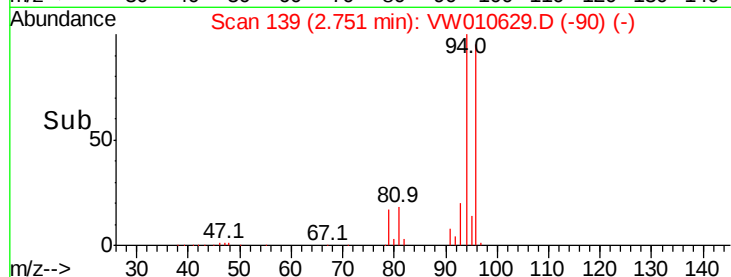
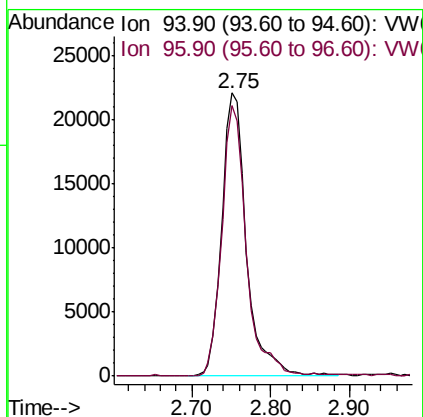
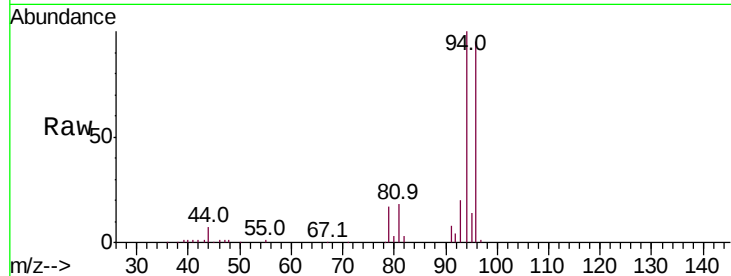
96 95.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 43.931 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010629.D

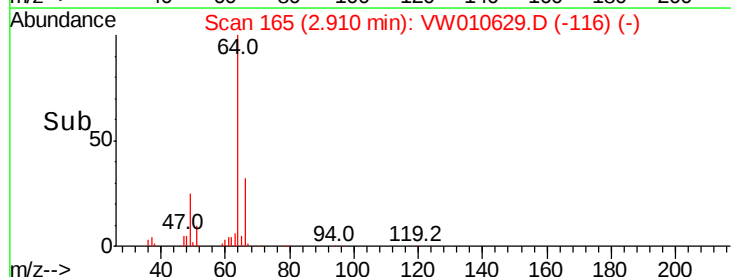
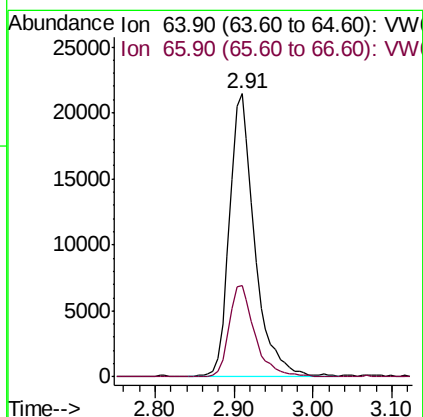
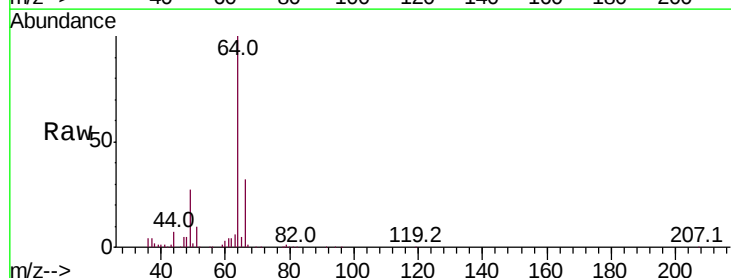
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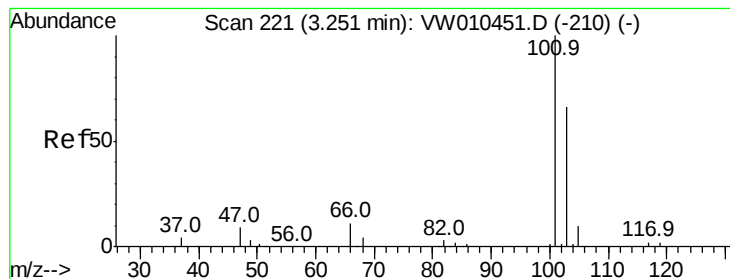
Tgt Ion: 64 Resp: 47782

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

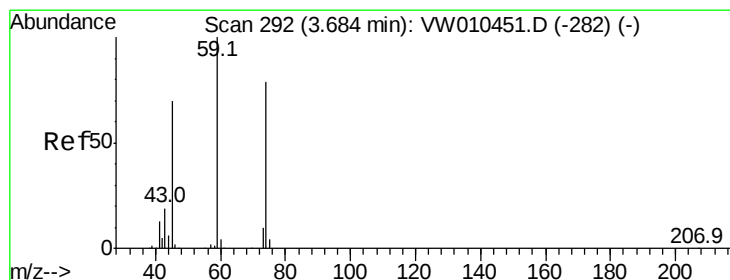
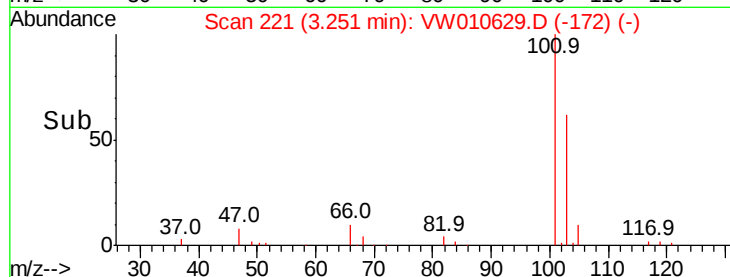
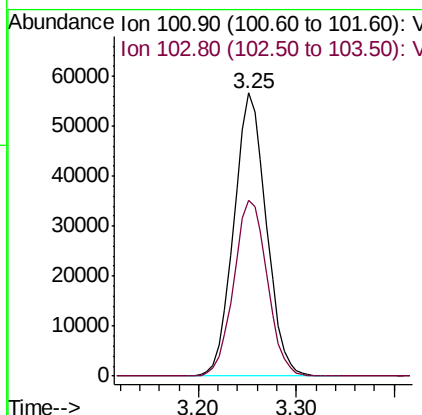
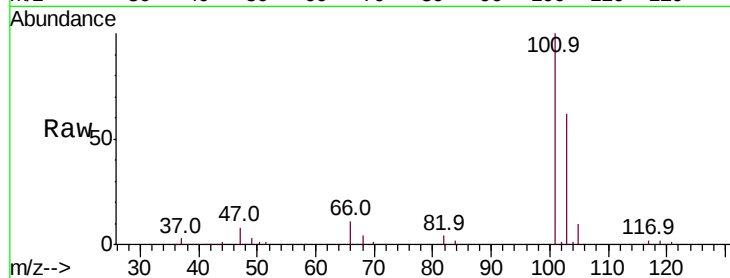
Trichlorofluoromethane
 Concen: 52.012 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010629.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	53.0	79.4

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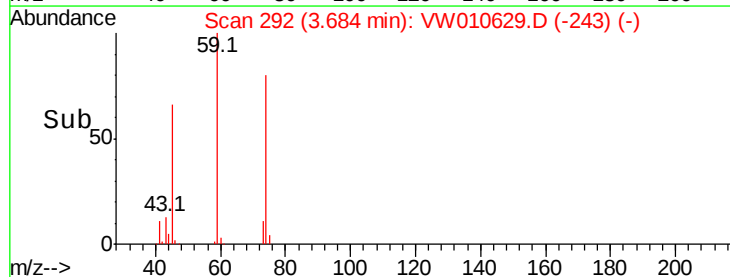
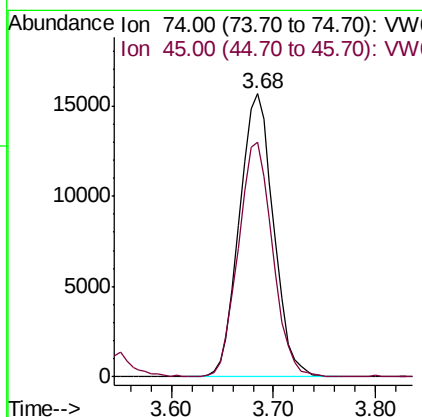
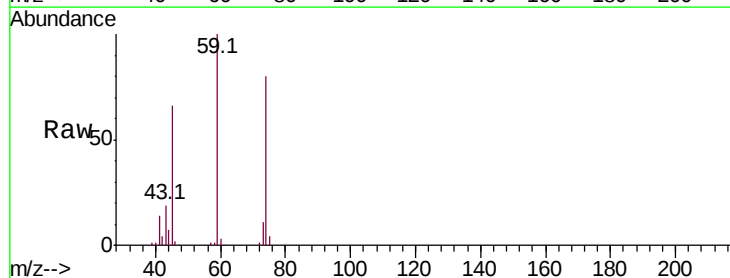
MMDadoda
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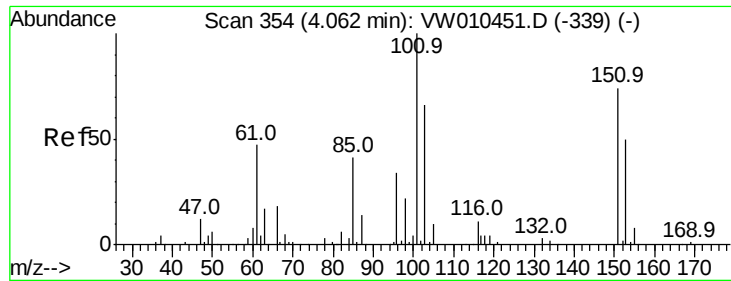


#8

Diethyl Ether
 Concen: 46.043 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.1	42.9	128.5





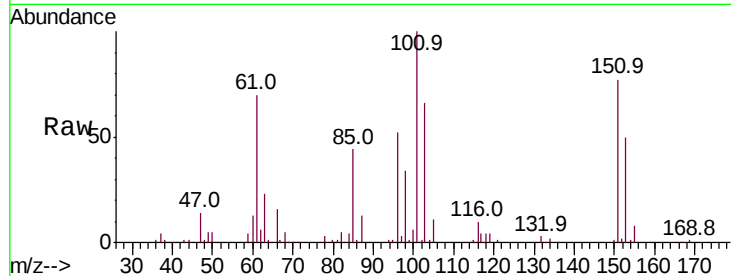
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.904 ug/l
RT: 4.06 min Scan# 353
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	79957		
85	42.5		34.3	51.5
151	79.7		60.3	90.5

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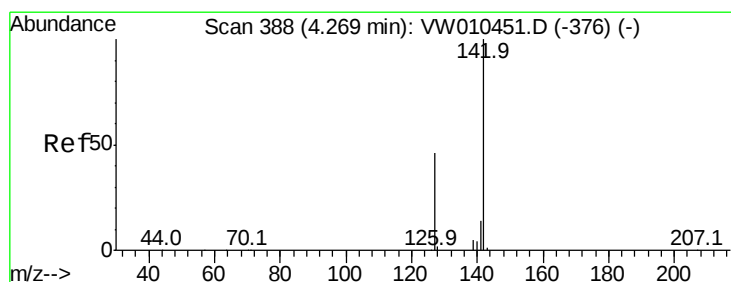
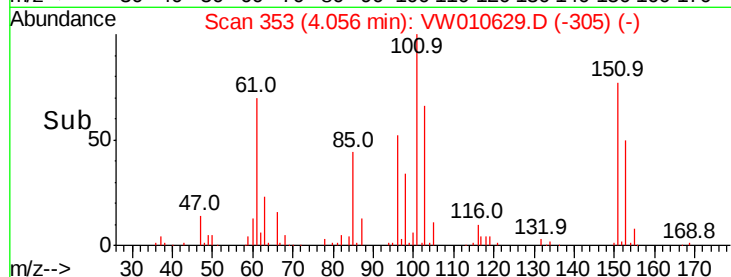
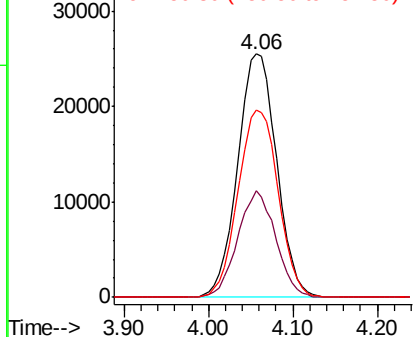


Abundance

Ion 100.90 (100.60 to 101.60): V

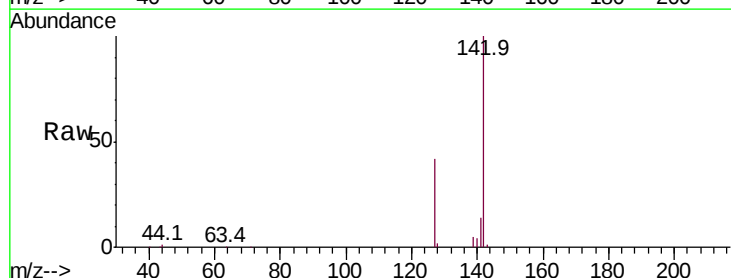
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 48.733 ug/l
RT: 4.27 min Scan# 388
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	85807		
127	43.4		36.1	54.1
141	14.1		11.3	16.9

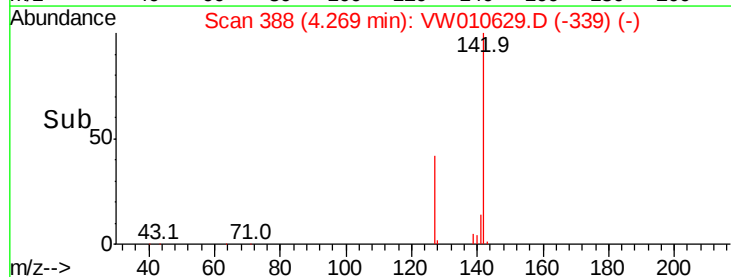
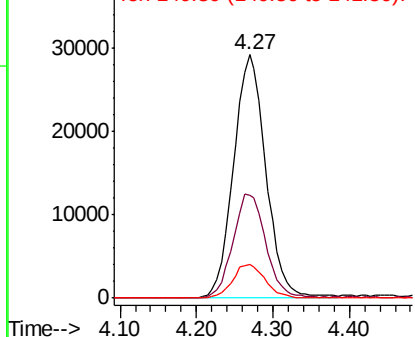


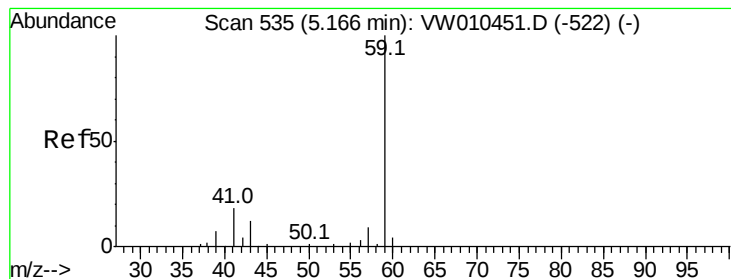
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

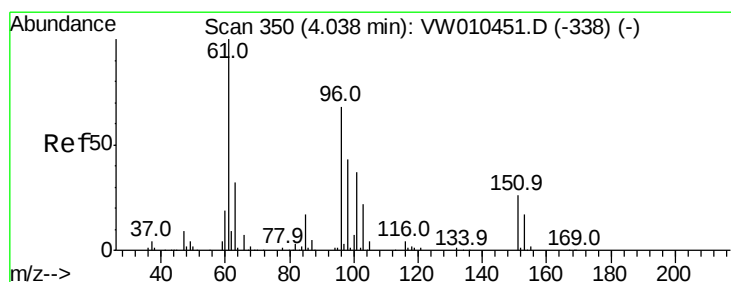
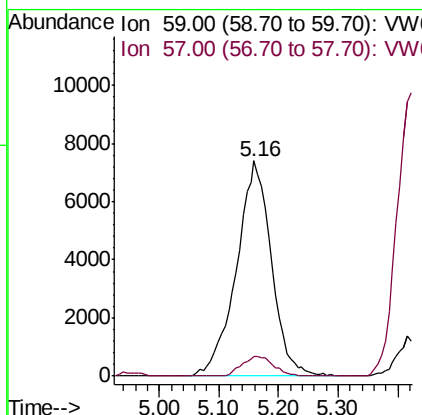
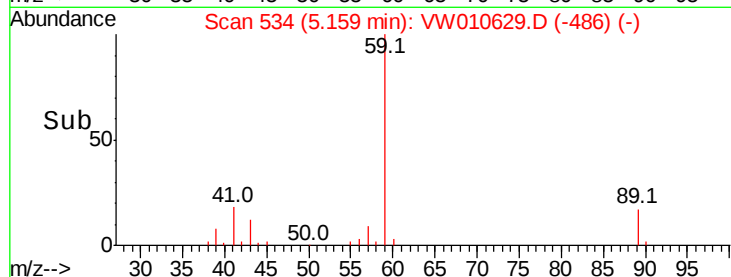
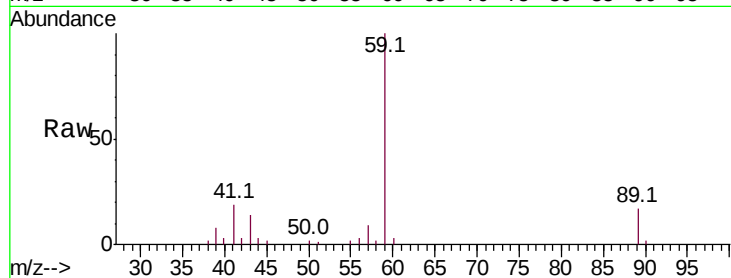
Tert butyl alcohol
Concen: 233.283 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.8	13.2#

Manual Integrations
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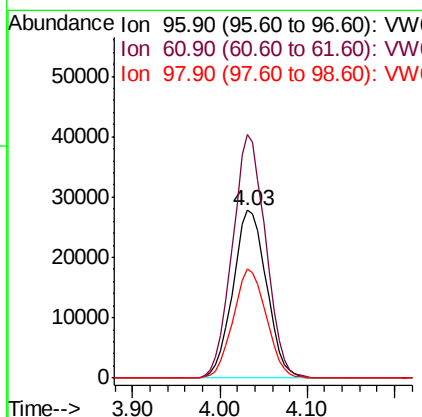
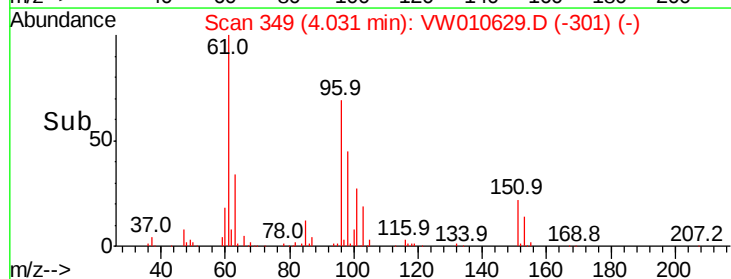
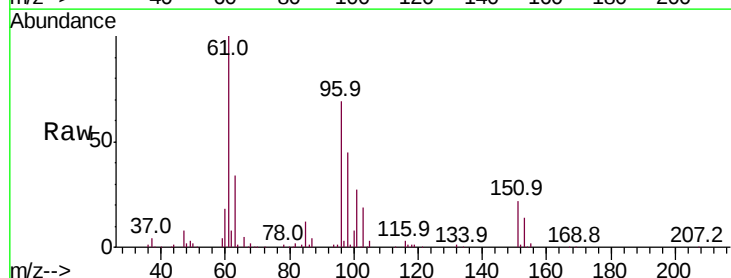
MMDadoda
6/4/2019 8:44:27 AM

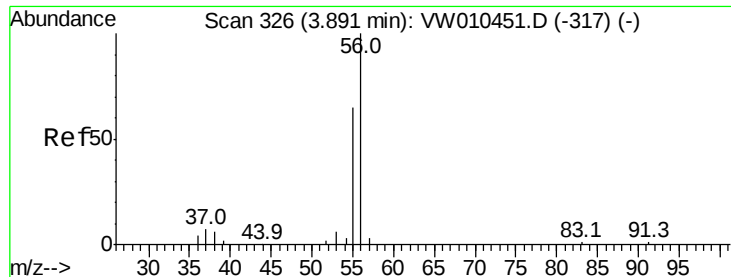


#12

1,1-Dichloroethene
Concen: 50.502 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.2	118.3	177.5
98	64.8	51.0	76.6





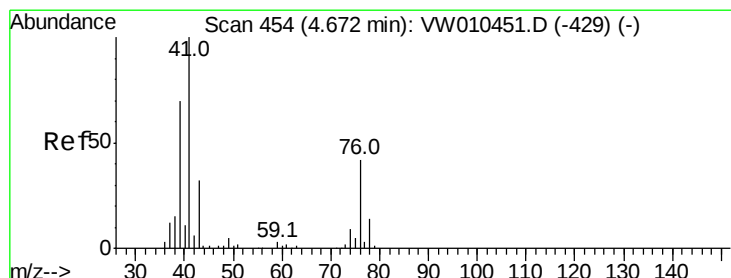
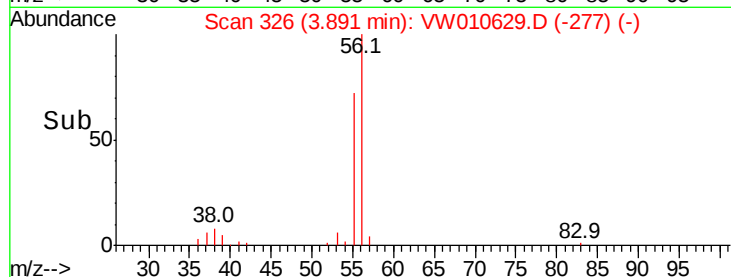
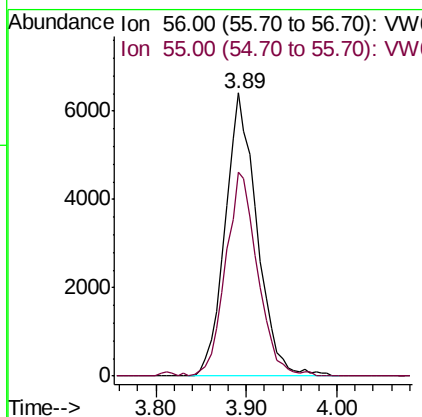
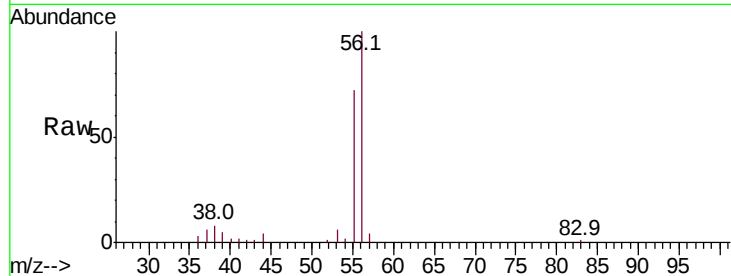
#13
 Acrolein
 Concen: 203.350 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	55	Ratio	100	72.7	Resp	15629	Lower	57.9	Upper	86.9
Manual Integrations APPROVED											

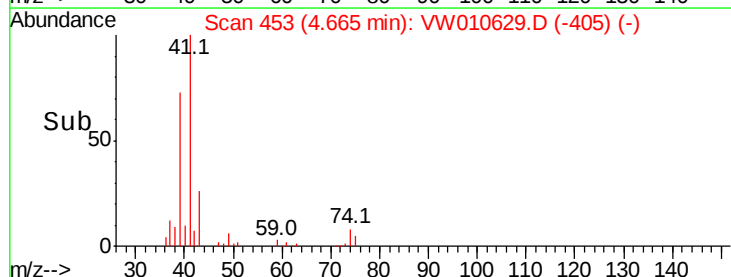
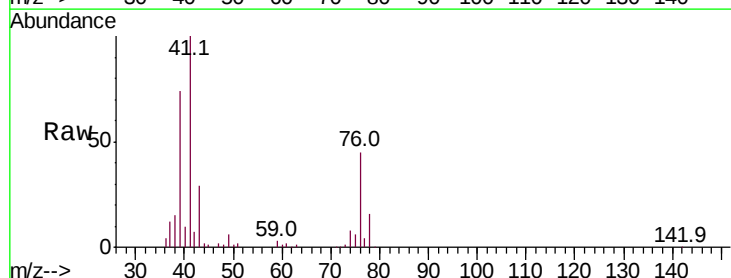
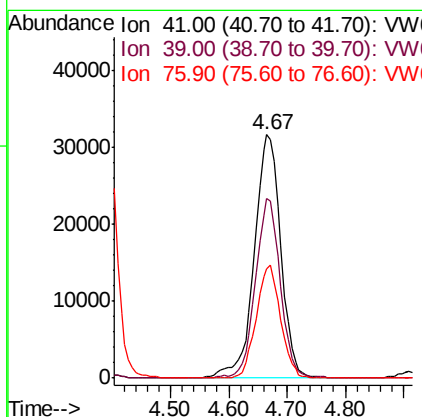
Manual Integrations
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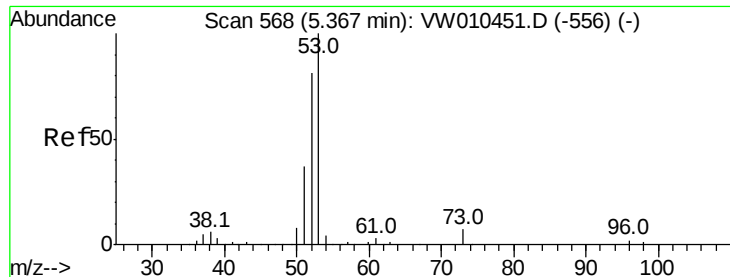
MMDadoda
 6/4/2019 8:44:27 AM



#14
 Allyl chloride
 Concen: 46.828 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	41	39	76	Ratio	100	69.1	42.6	Resp	99677	Lower	55.0	32.8	Upper	82.4	49.2
Manual Integrations APPROVED															





#15

Acrylonitrile

Concen: 210.719 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

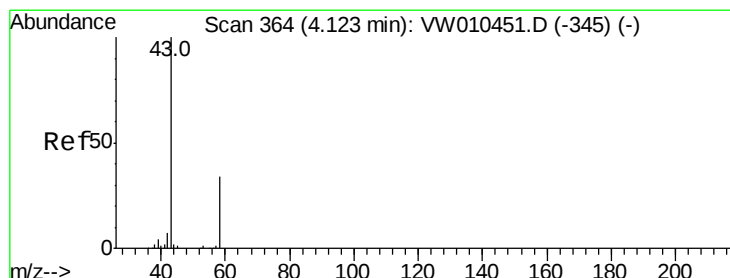
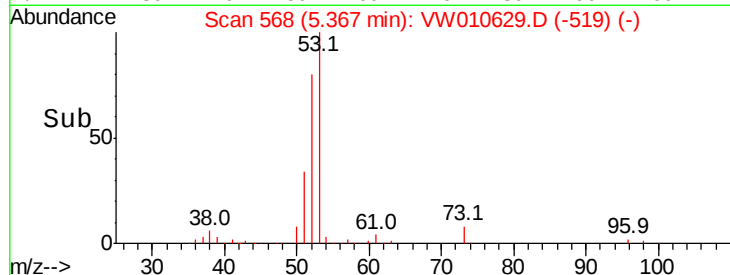
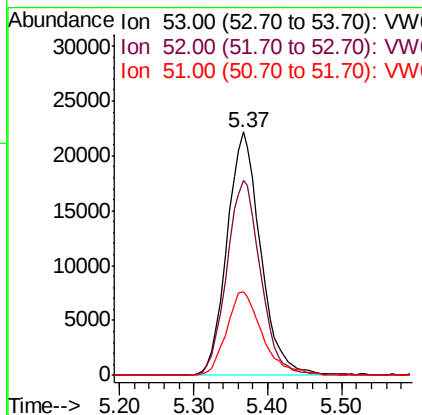
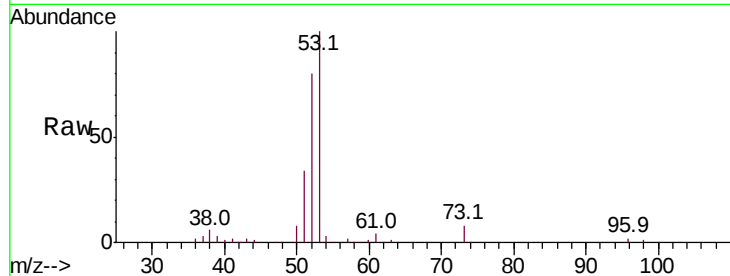
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	69976
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.6	98.4
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 258.224 ug/l

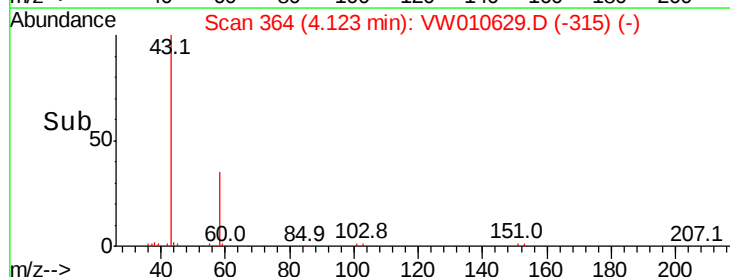
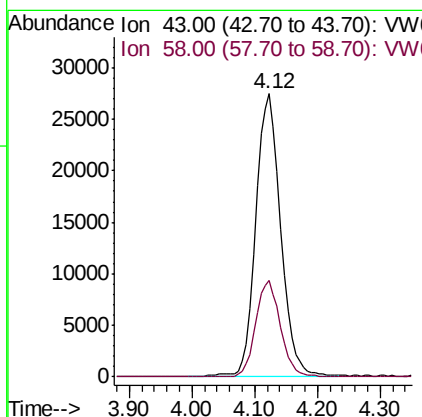
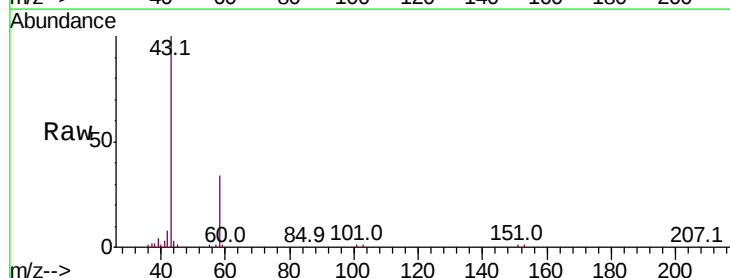
RT: 4.12 min Scan# 364

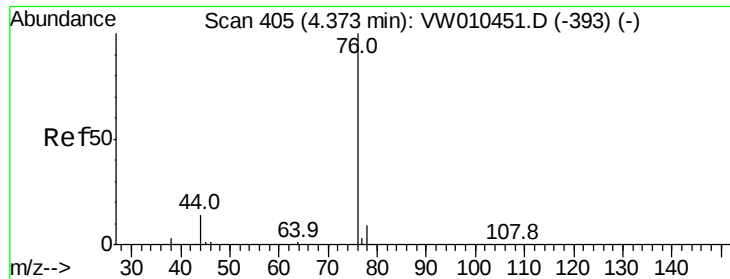
Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion:	43	Resp:	75742
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.0	40.4





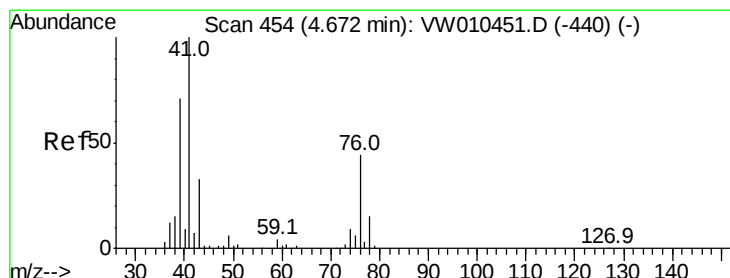
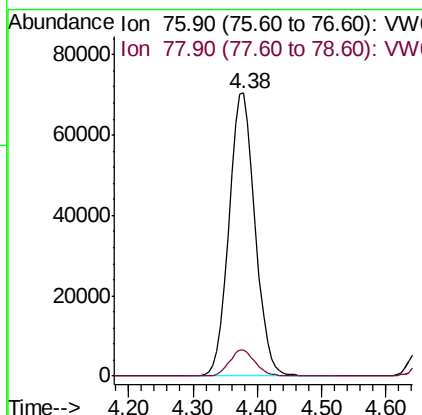
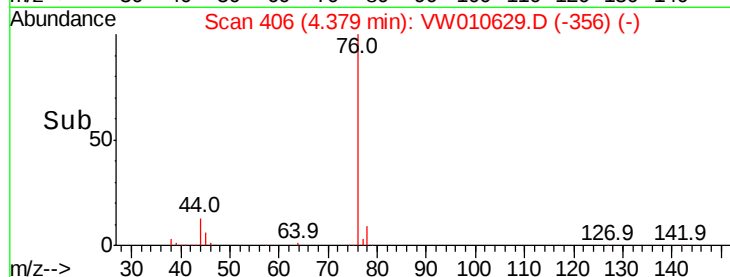
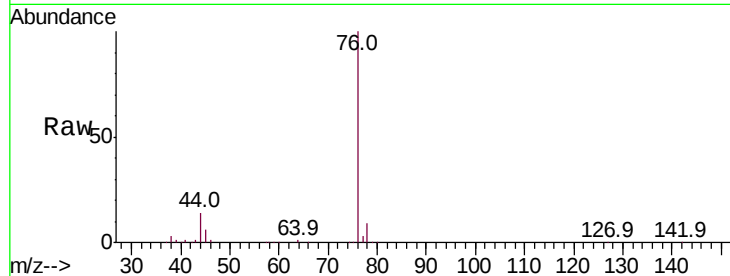
#17
Carbon Disulfide
Concen: 45.487 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

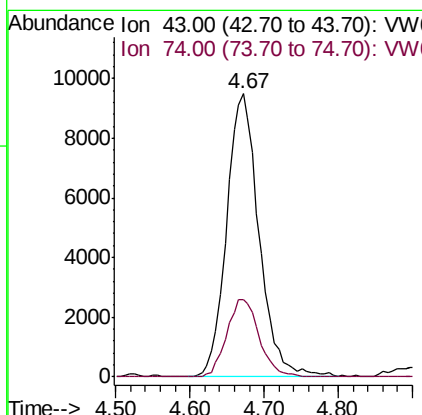
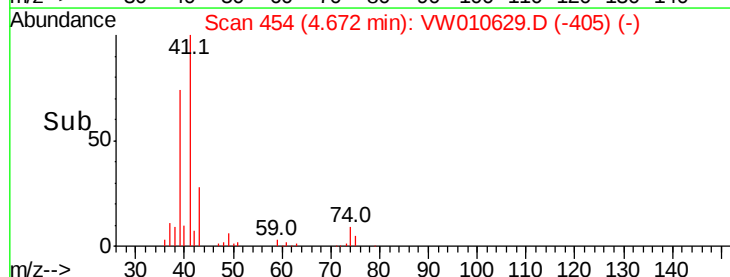
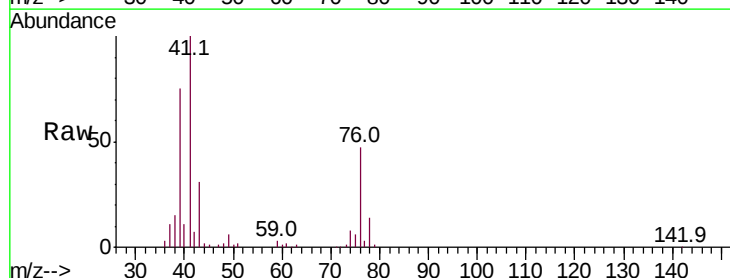
Manual Integrations
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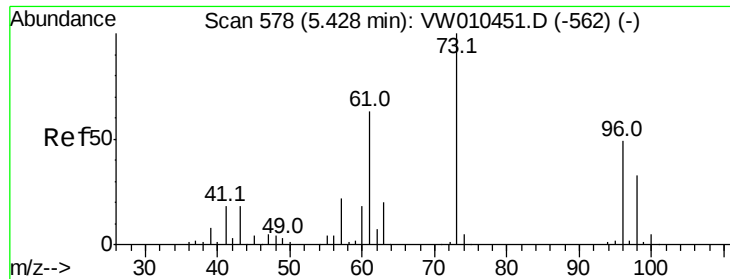
MMDadoda
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#18
Methyl Acetate
Concen: 40.191 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.6	32.4





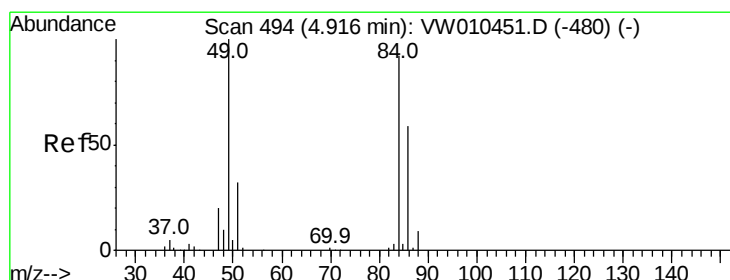
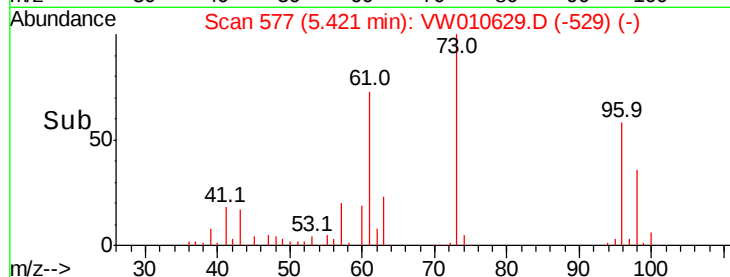
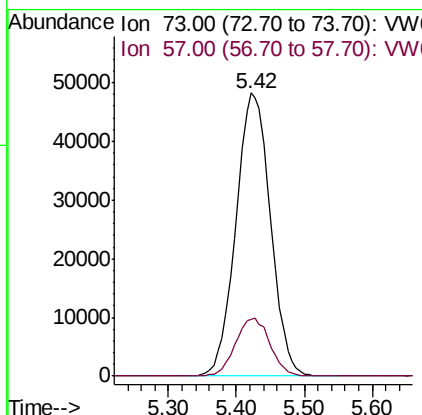
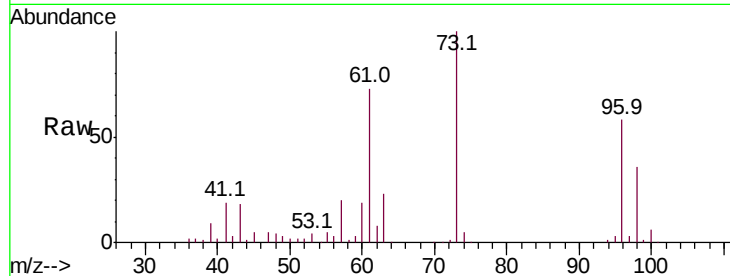
#19
Methyl tert-butyl Ether
Concen: 45.362 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 170054
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0

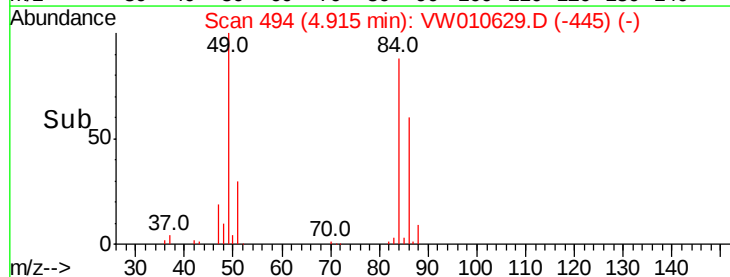
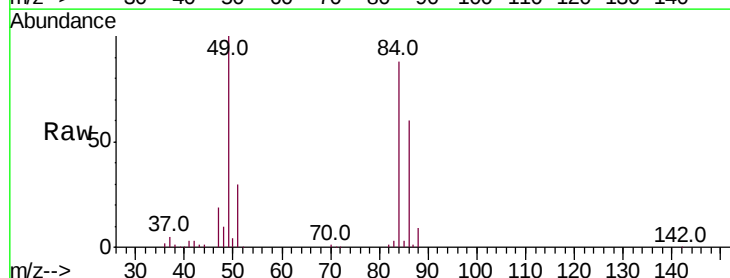
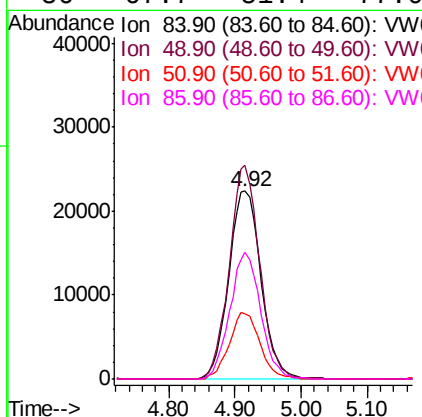
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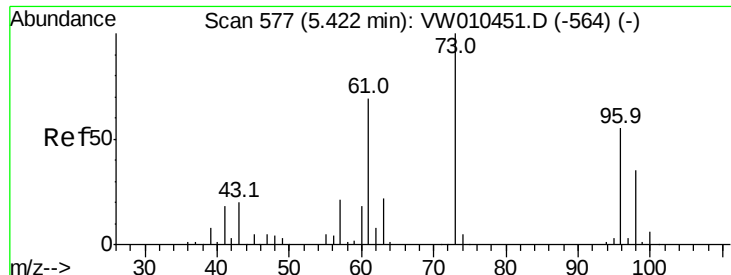
MMDadoda
6/4/2019 8:44:27 AM



#20
Methylene Chloride
Concen: 43.370 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 84 Resp: 75800
Ion Ratio Lower Upper
84 100
49 113.7 87.2 130.8
51 34.5 27.7 41.5
86 67.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.952 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 84255

Ion Ratio Lower Upper

96 100

61 126.2 101.4 152.0

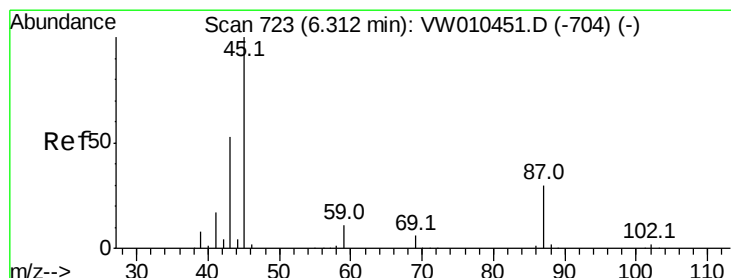
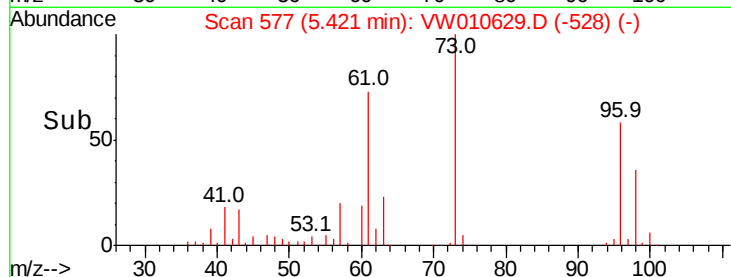
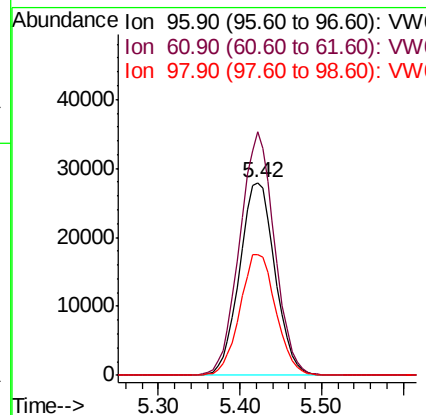
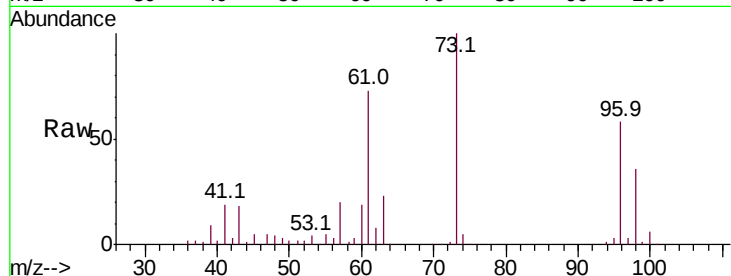
98 62.6 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 46.410 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion: 45 Resp: 202558

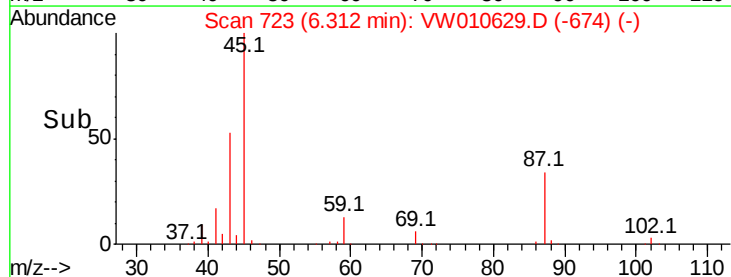
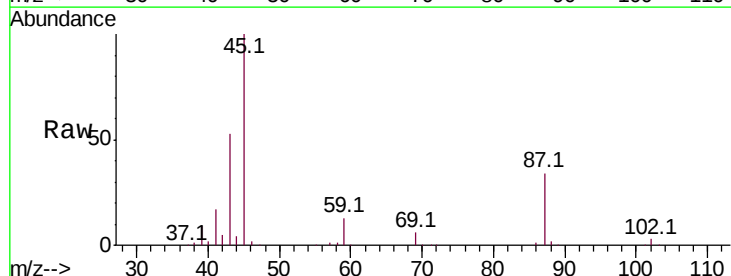
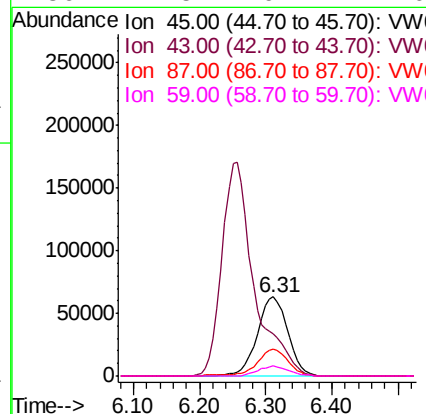
Ion Ratio Lower Upper

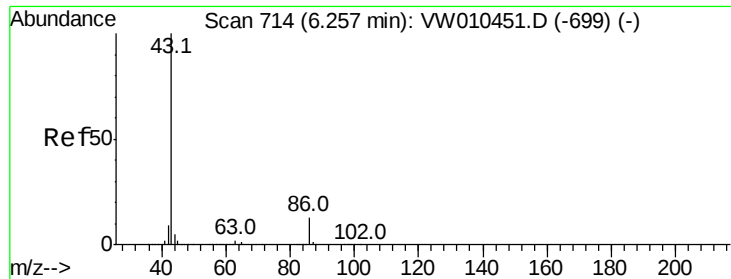
45 100

43 53.1 42.9 64.3

87 34.3 24.6 36.8

59 12.5 9.4 14.0





#23

Vinyl Acetate

Concen: 221.376 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 577159

Ion Ratio Lower Upper

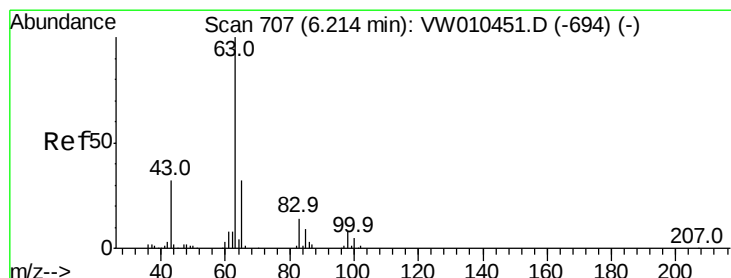
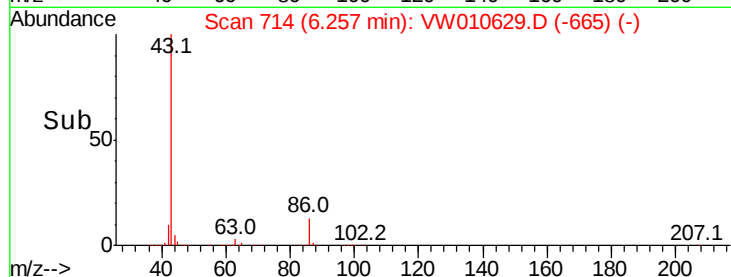
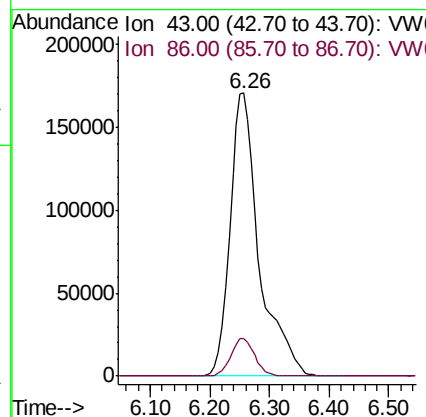
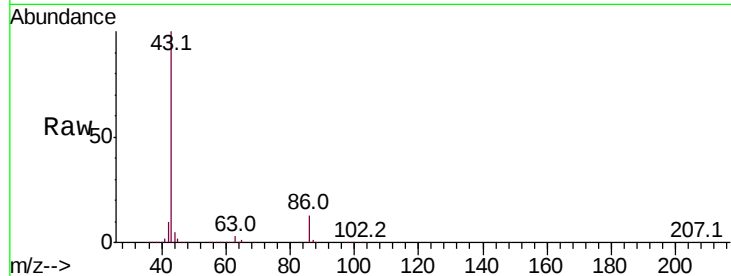
43 100

86 13.2 10.3 15.5

Manual Integrations
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MMDadoda

6/4/2019 8:44:27 AM



#24

1,1-Dichloroethane

Concen: 49.621 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

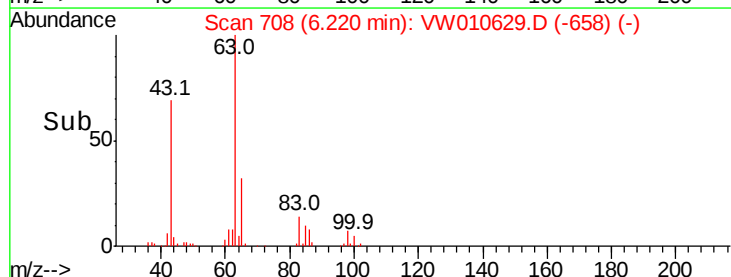
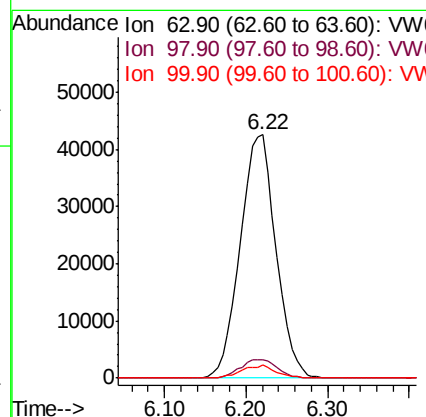
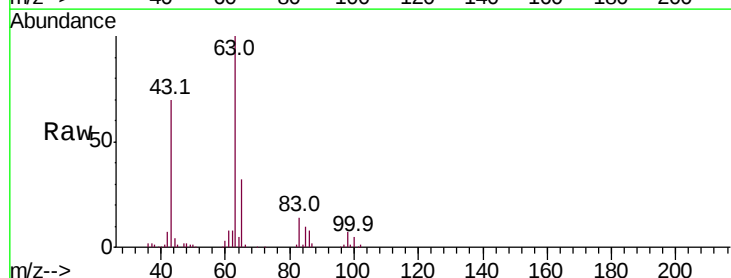
Tgt Ion: 63 Resp: 129243

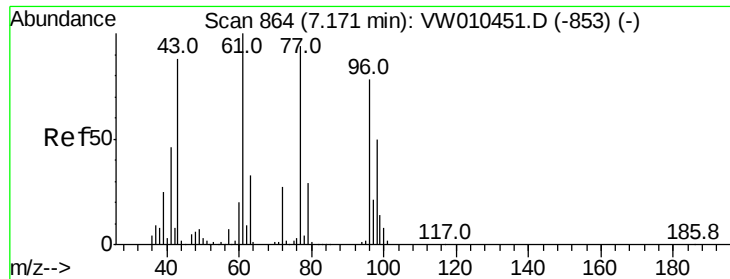
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 5.5 2.5 7.4





#25

2-Butanone

Concen: 223.822 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 93953

Ion Ratio Lower Upper

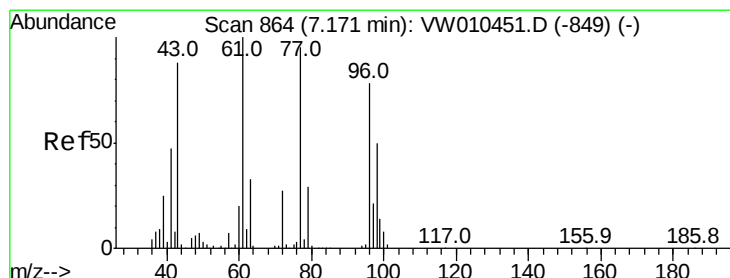
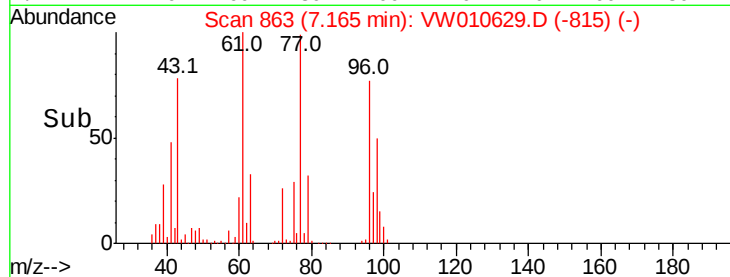
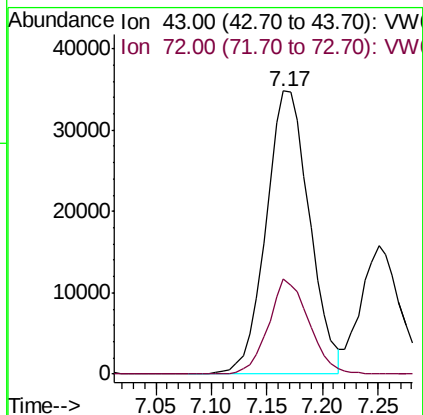
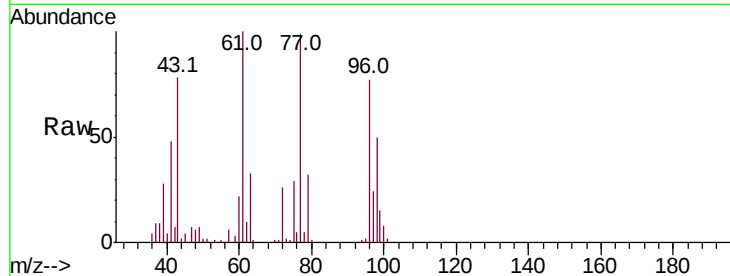
43 100

72 33.7 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 52.827 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010629.D

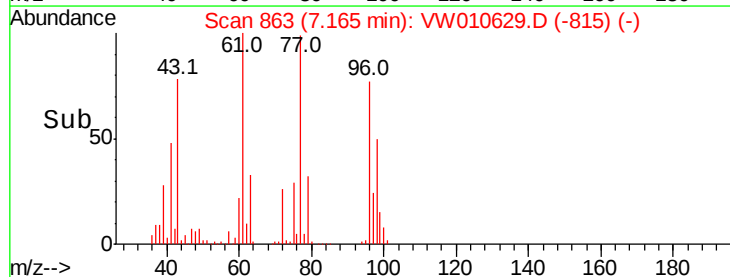
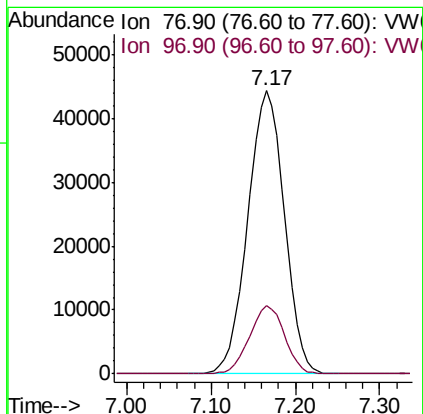
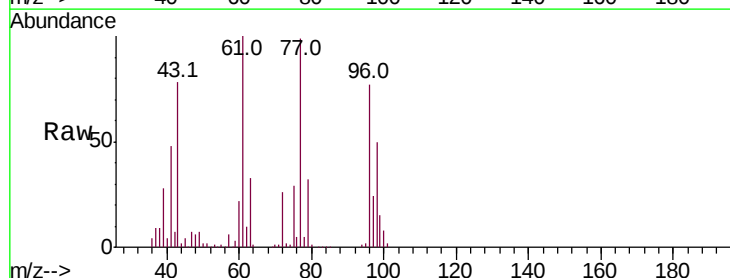
Acq: 31 May 2019 11:29

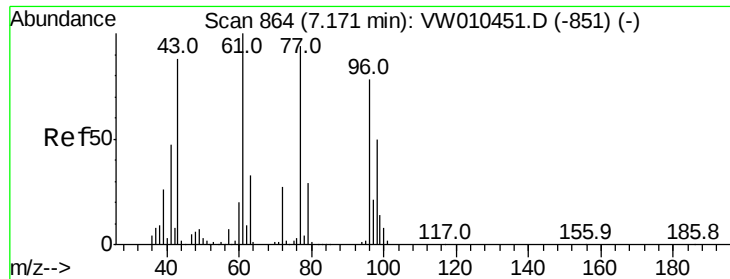
Tgt Ion: 77 Resp: 131063

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

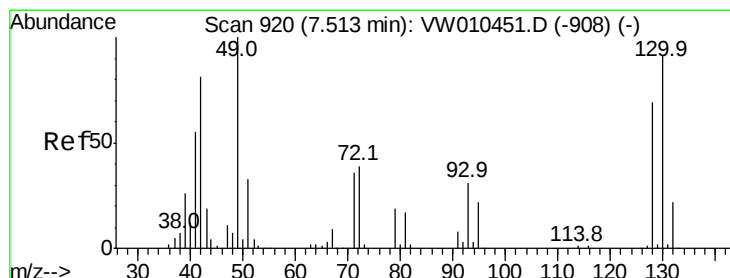
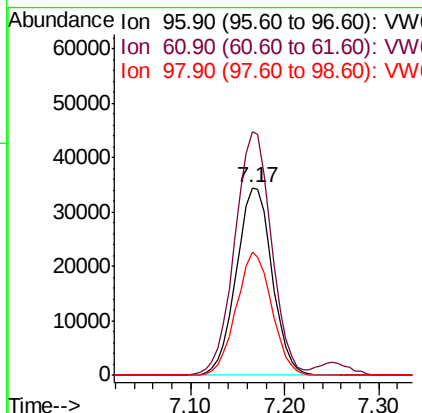
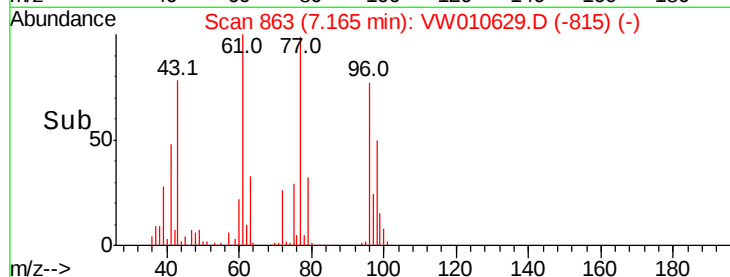
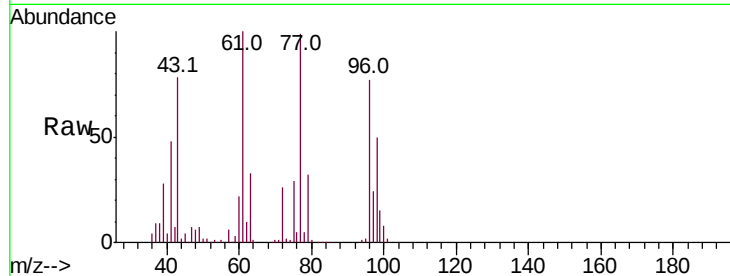
cis-1,2-Dichloroethene
Concen: 49.971 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	265.4
98	65.1	0.0	129.4

Manual Integrations
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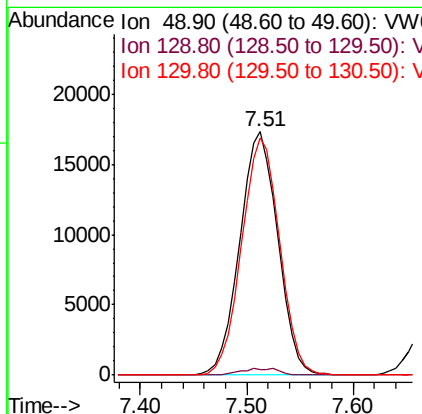
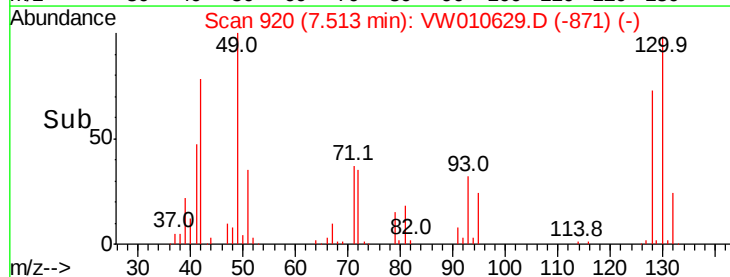
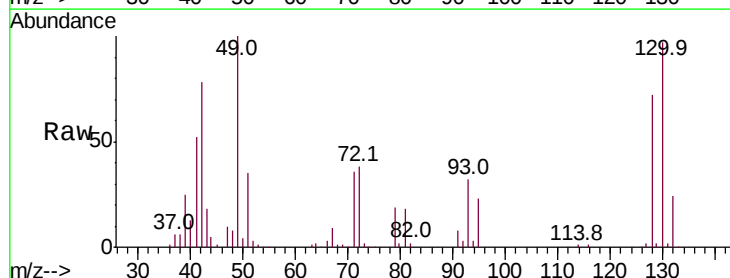
MMDadoda
6/4/2019 8:44:27 AM

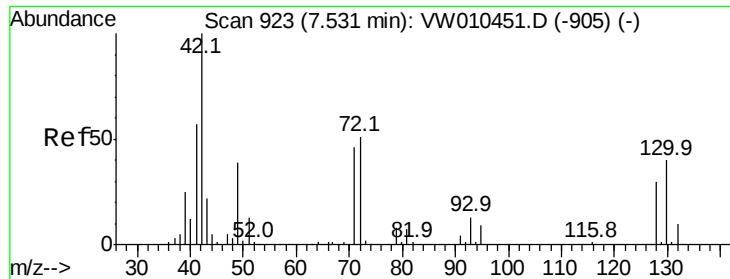


#28

Bromochloromethane
Concen: 46.705 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	97.0	71.2	106.8





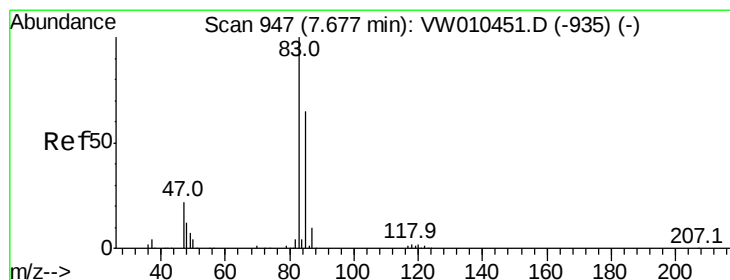
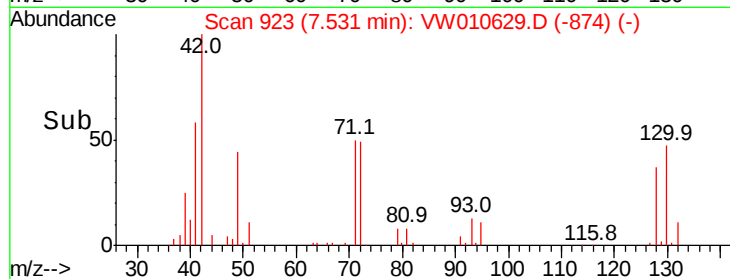
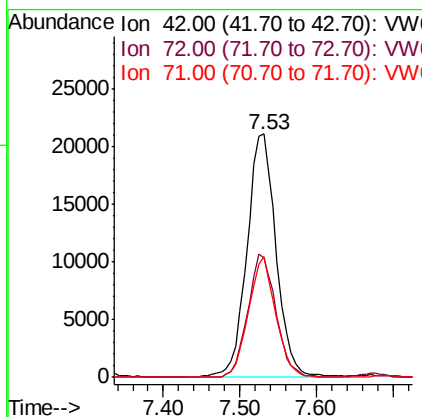
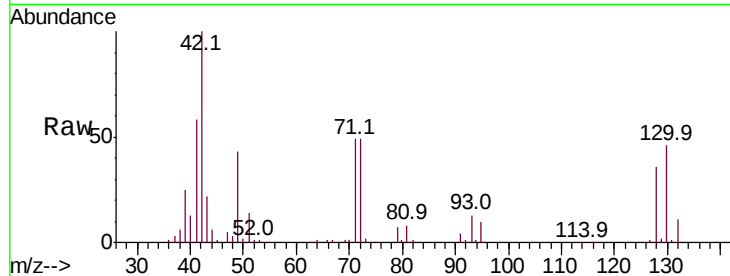
#29
Tetrahydrofuran
Concen: 197.126 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.5	57.7
71	46.4	36.5	54.7

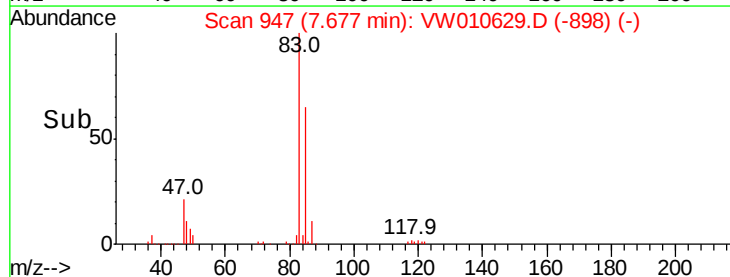
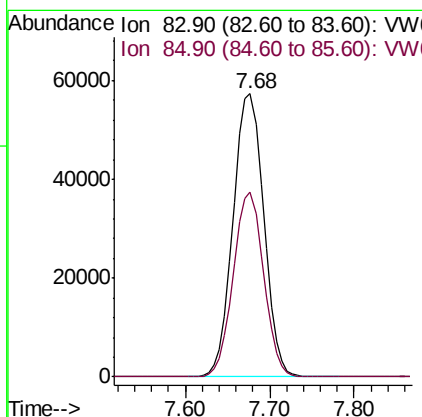
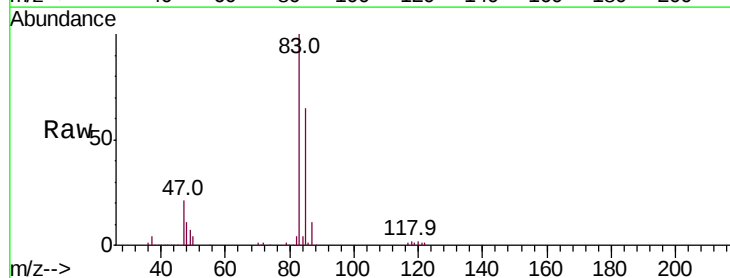
Manual Integrations
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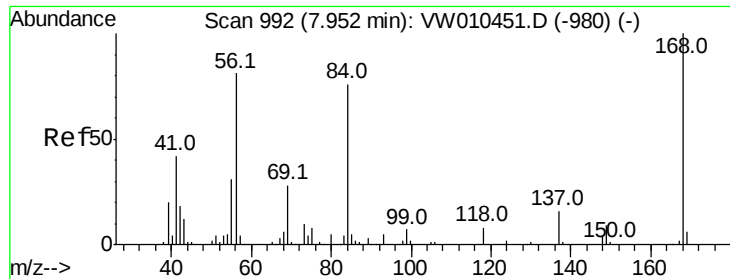
MMDadoda
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#30
Chloroform
Concen: 50.383 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





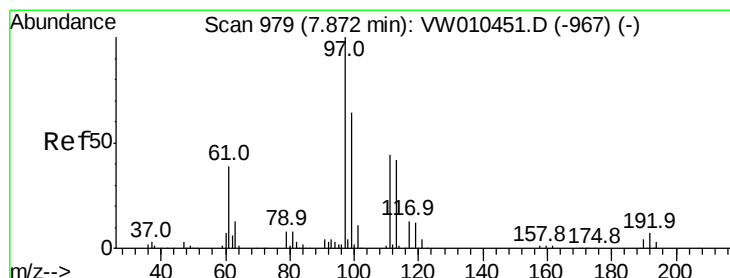
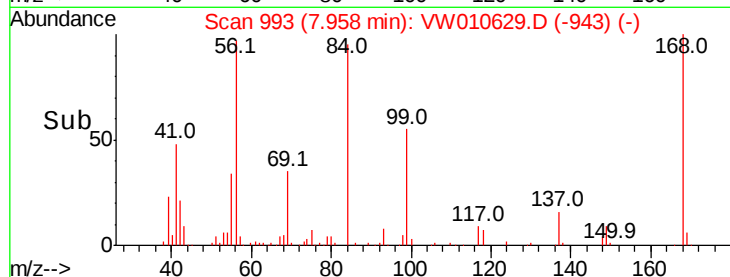
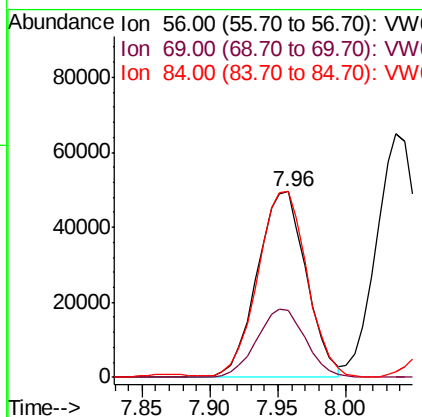
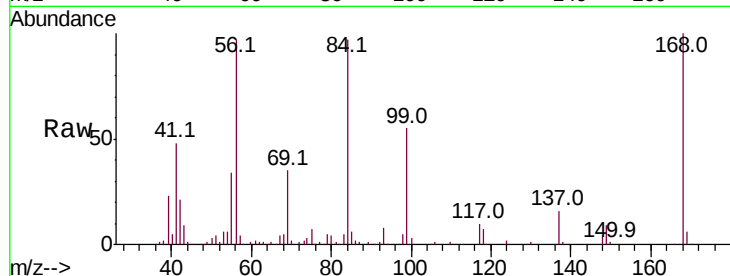
#31
Cyclohexane
Concen: 45.749 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	28.2	42.2
84	99.1	75.8	113.8

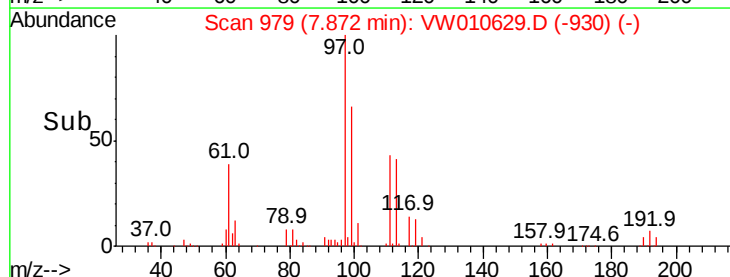
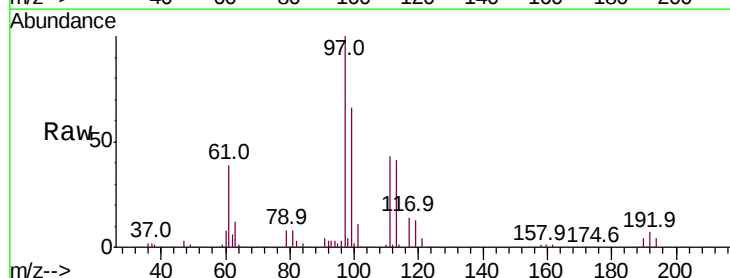
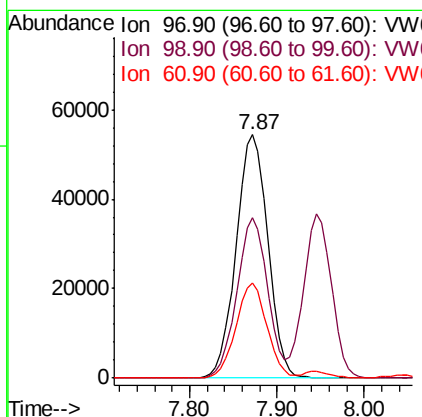
Manual Integrations
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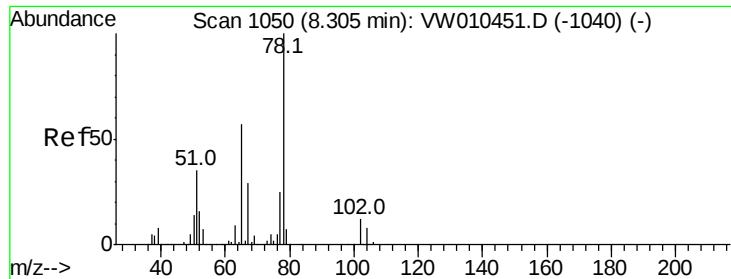
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#32
1,1,1-Trichloroethane
Concen: 51.120 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	38.2	32.1	48.1





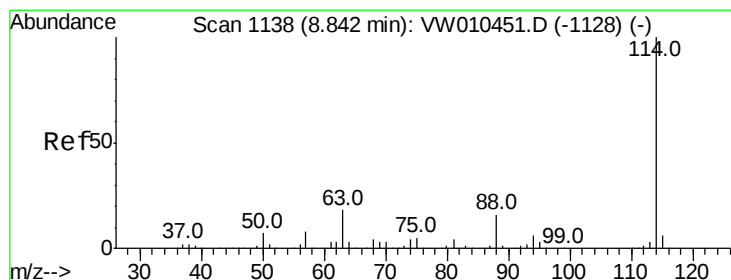
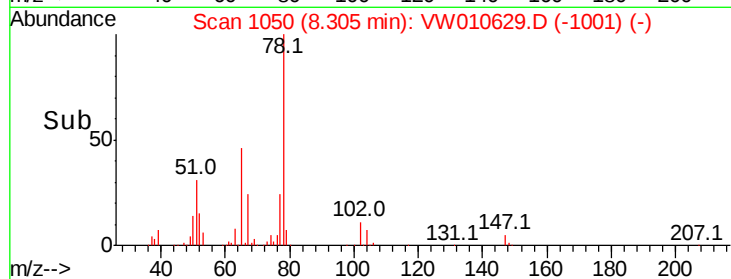
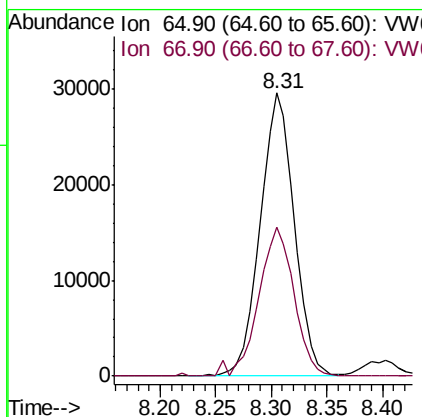
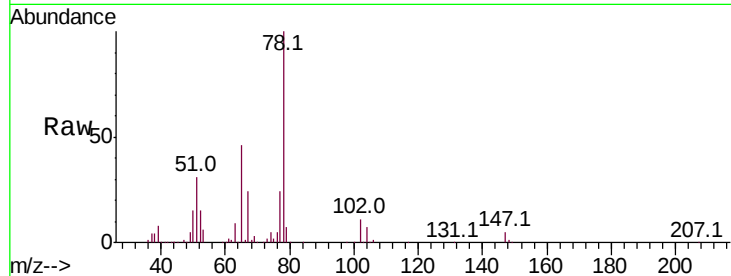
#33
 1,2-Dichloroethane-d4
 Concen: 43.912 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	103.6

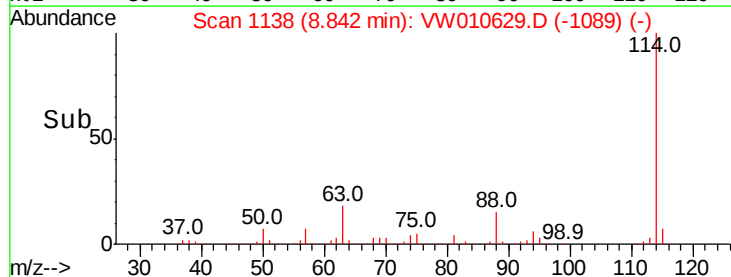
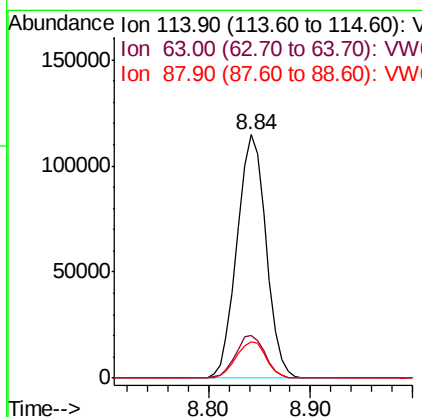
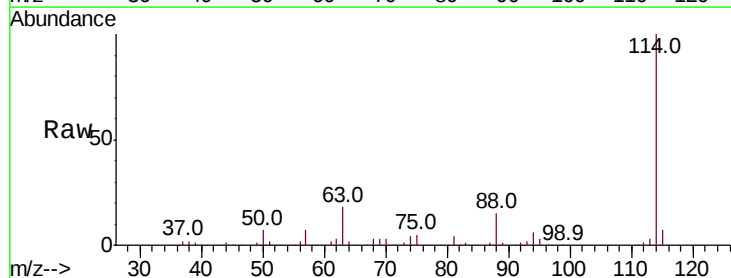
Manual Integrations
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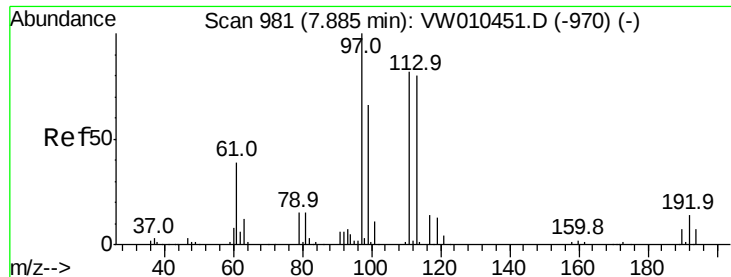
MMDadoda
 6/4/2019 8:44:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	36.0
88	15.0	0.0	32.0





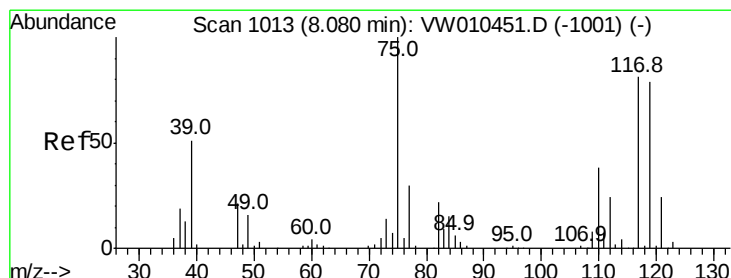
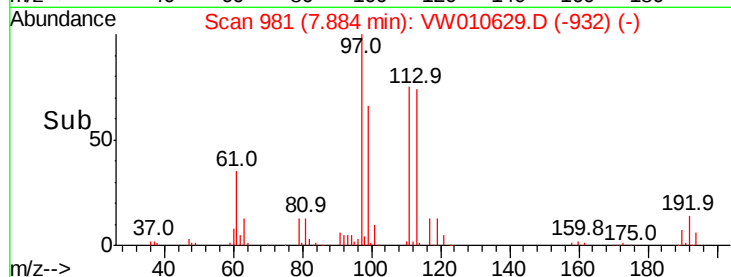
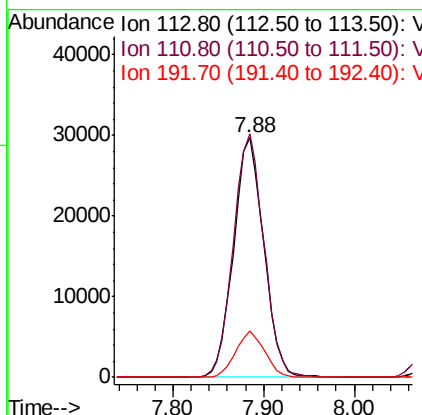
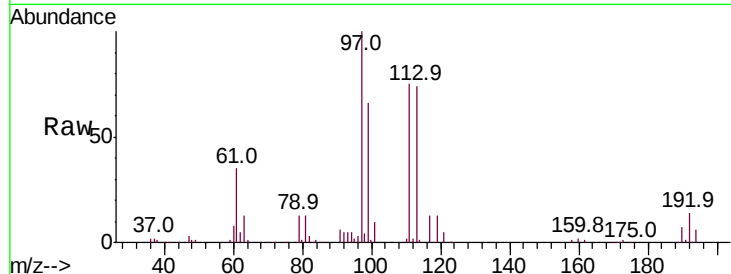
#35
 Dibromofluoromethane
 Concen: 49.995 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	18.4	14.3	21.5

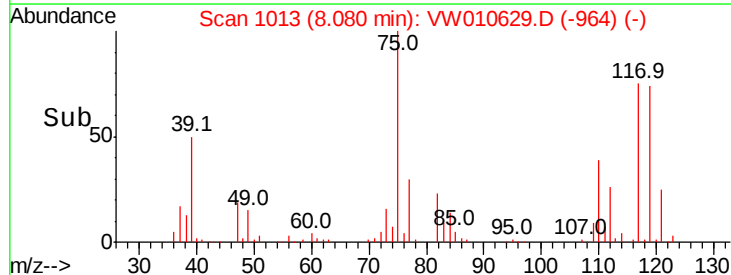
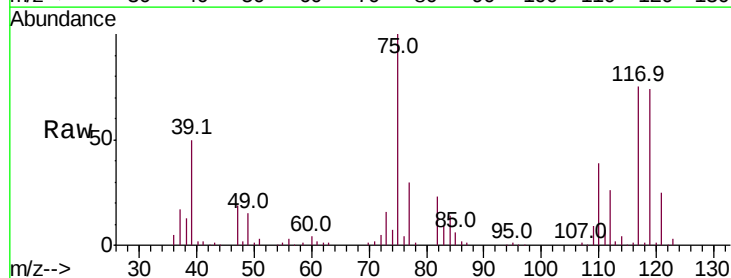
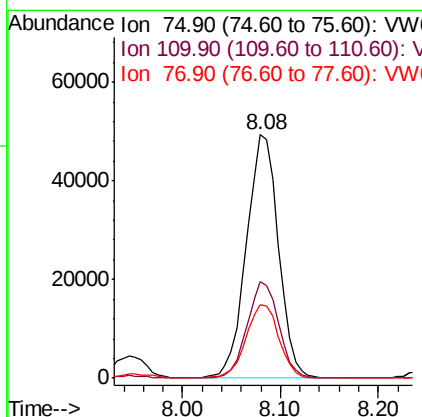
Manual Integrations
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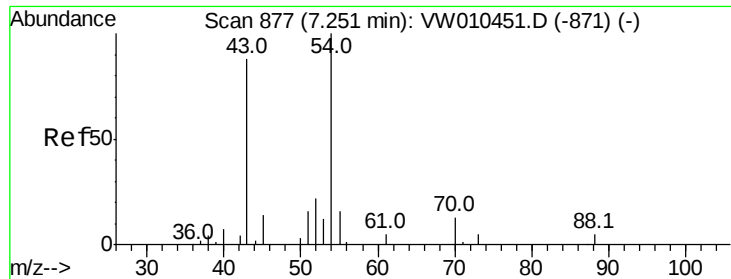
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#36
 1,1-Dichloropropene
 Concen: 53.388 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.2	57.6
77	30.9	25.2	37.8





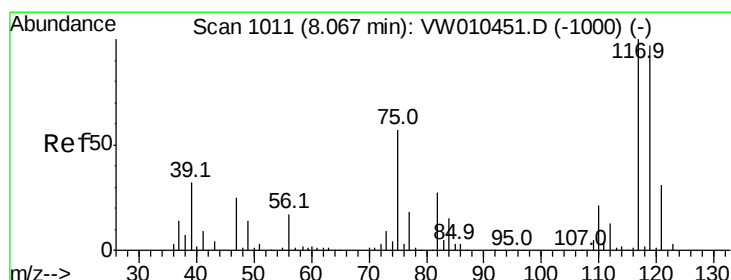
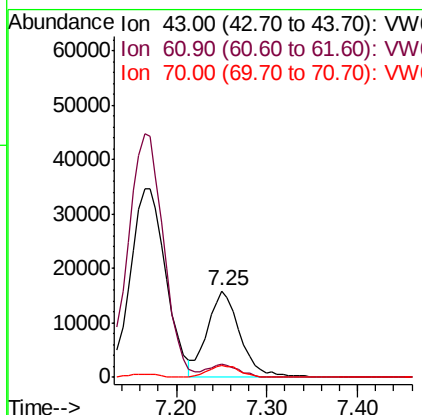
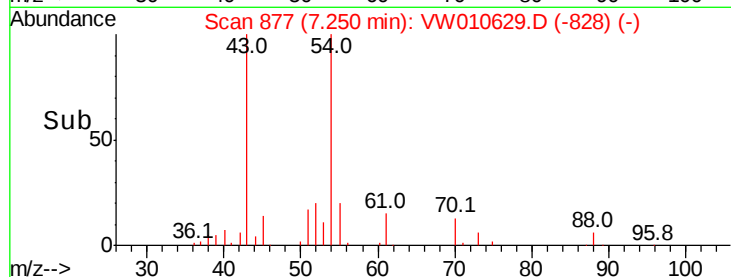
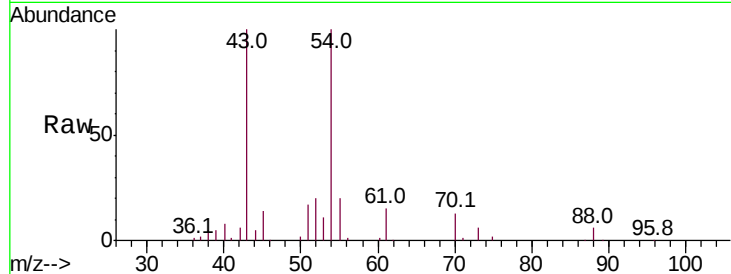
#37
Ethyl Acetate
Concen: 44.189 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	13.3	9.9	14.9

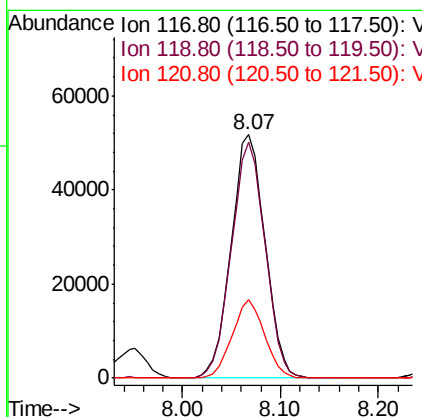
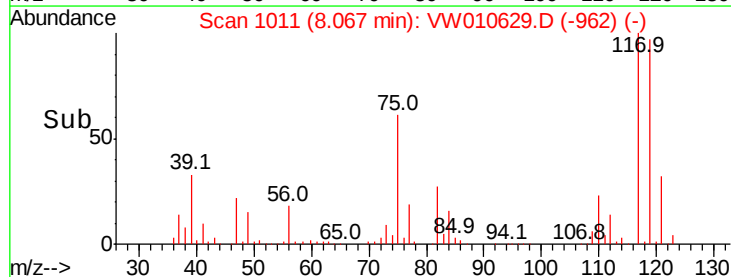
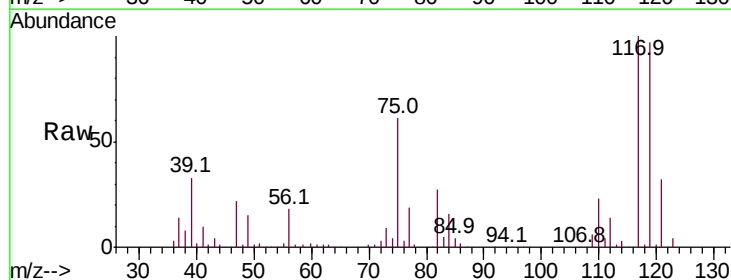
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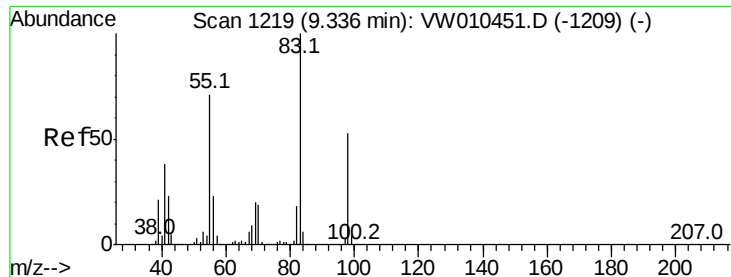
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6/4/2019 8:44:27 AM



#38
Carbon Tetrachloride
Concen: 54.686 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
121	32.1	25.0	37.6





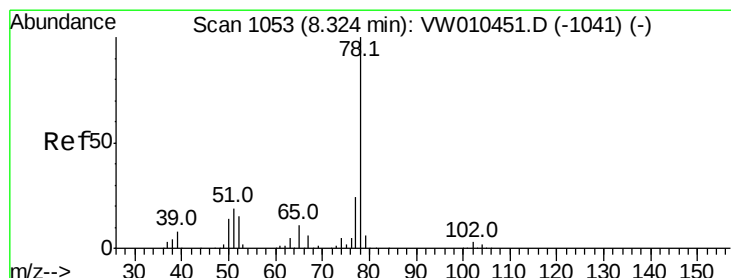
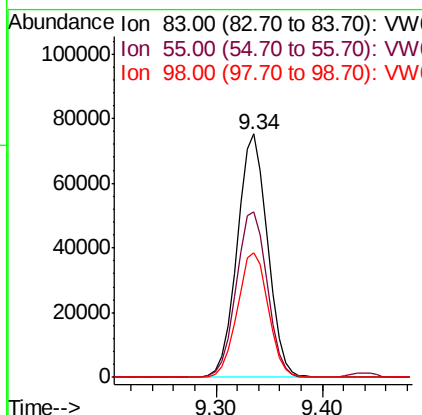
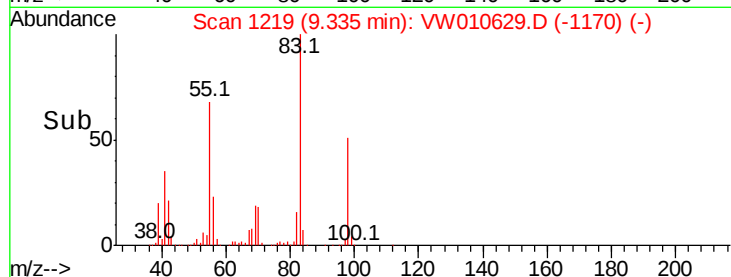
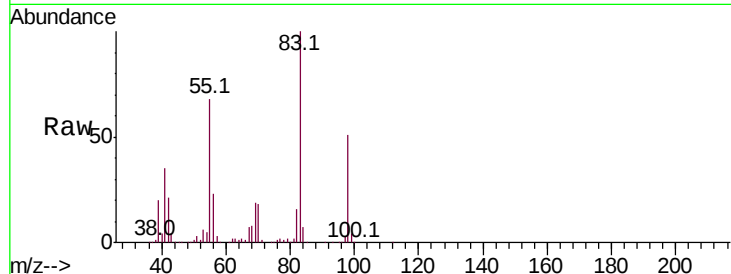
#39
Methvlcvclohexane
Concen: 53.204 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	67.8	57.0	85.6	
98	51.3	42.0	63.0	

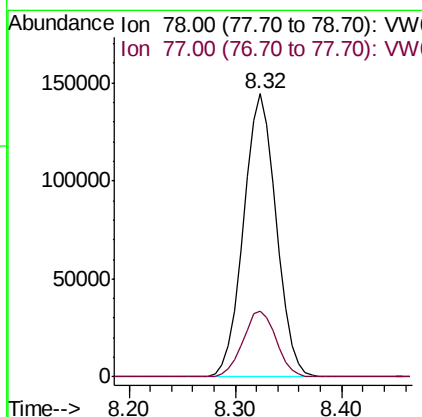
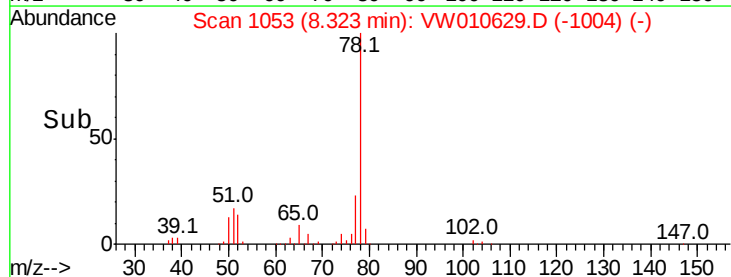
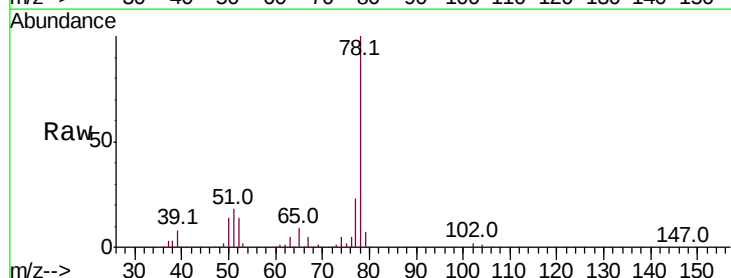
Manual Integrations
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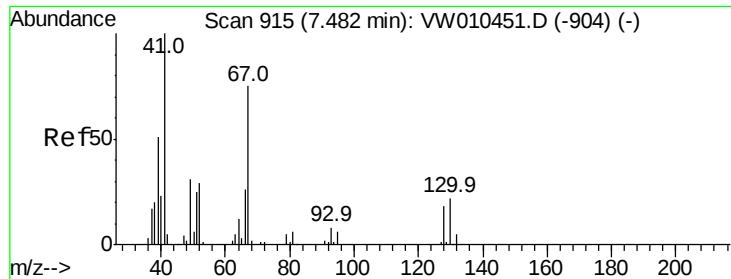
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#40
Benzene
Concen: 53.104 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.9	28.3	





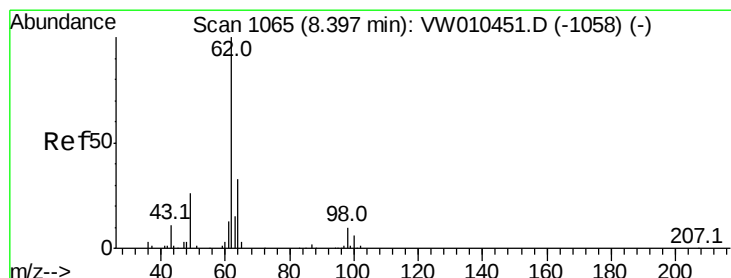
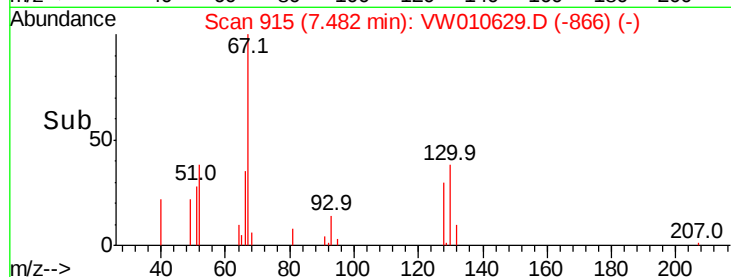
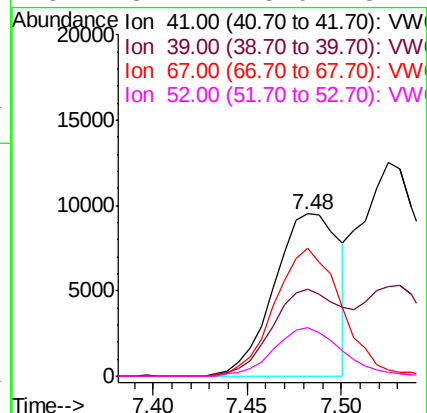
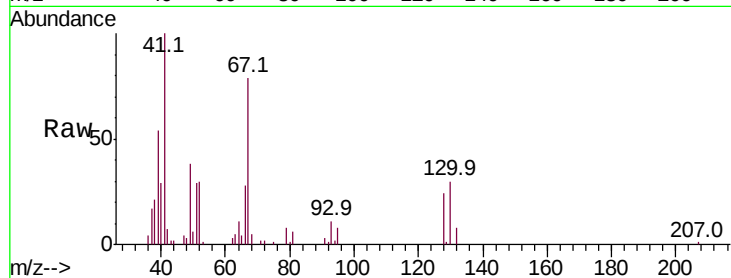
#41
Methacrylonitrile
Concen: 43.065 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	47.4	71.2
67	80.5	65.5	98.3
52	31.2	25.0	37.4

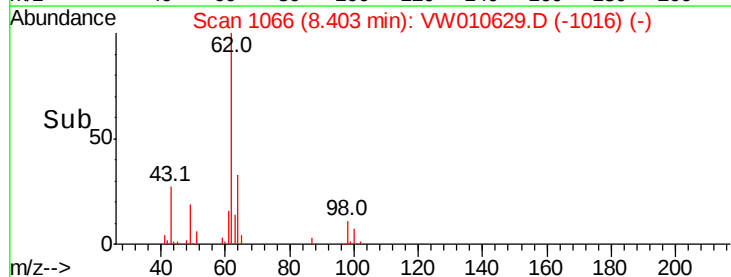
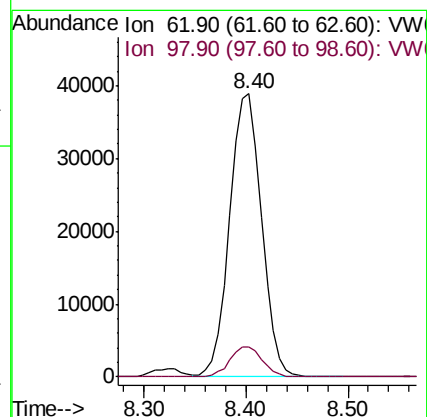
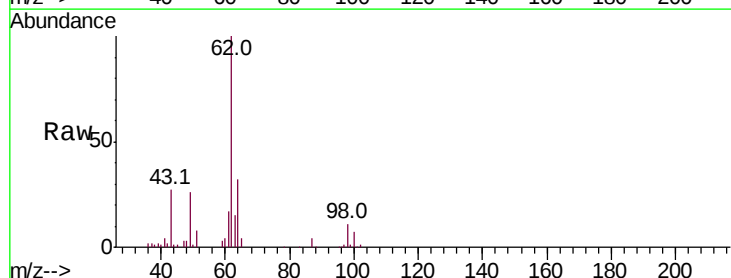
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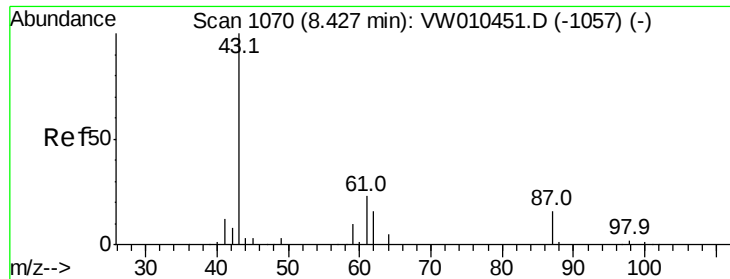
MMDadoda
6/4/2019 8:44:27 AM



#42
1,2-Dichloroethane
Concen: 50.261 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 43.397 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

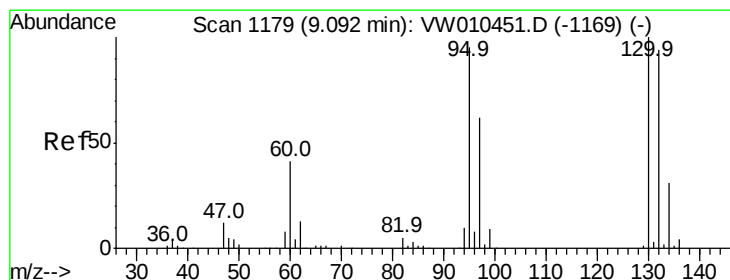
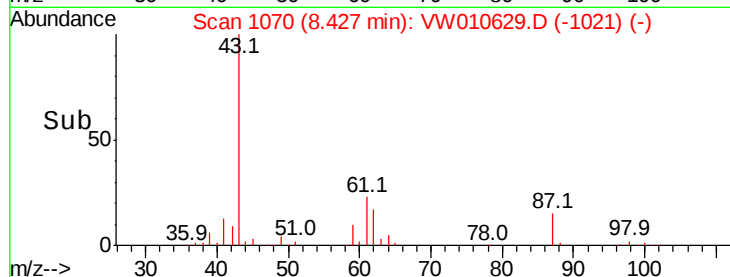
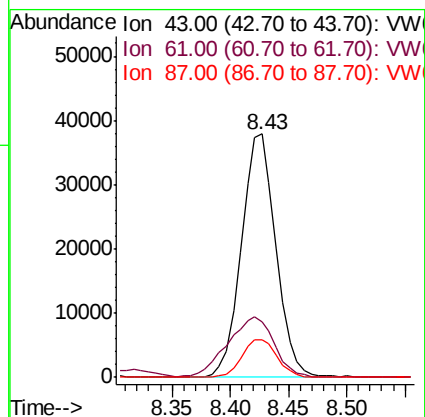
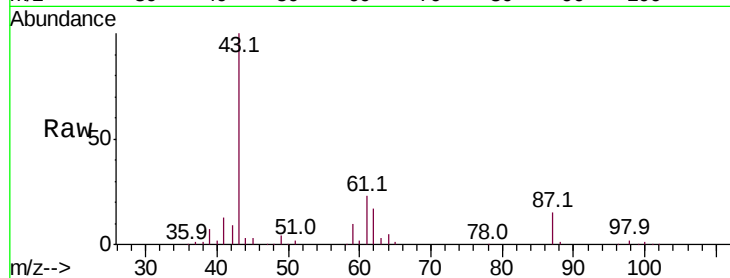
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	77844
Ion	Ratio	Lower	Upper
43	100		
61	33.8	25.4	38.2
87	16.0	12.7	19.1

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#44

Trichloroethene

Concen: 55.016 ug/l

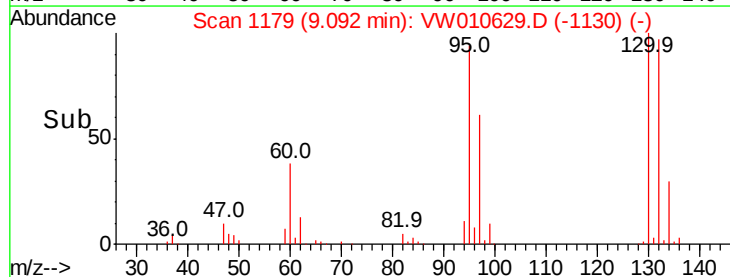
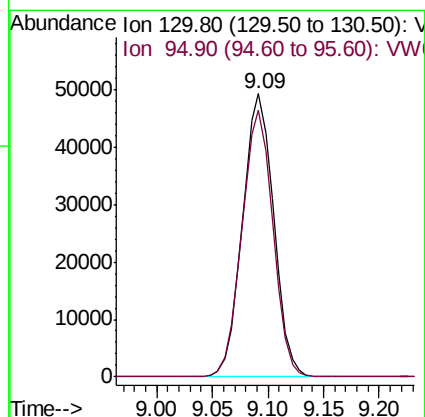
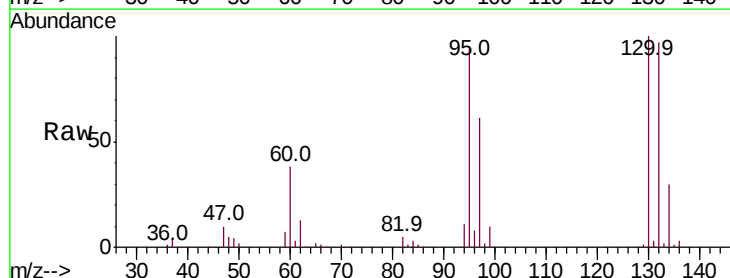
RT: 9.09 min Scan# 1179

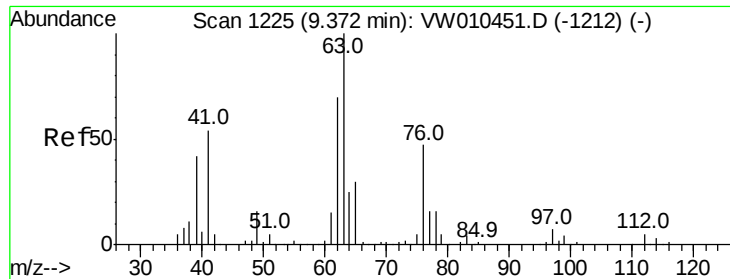
Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion:	130	Resp:	95853
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	189.6





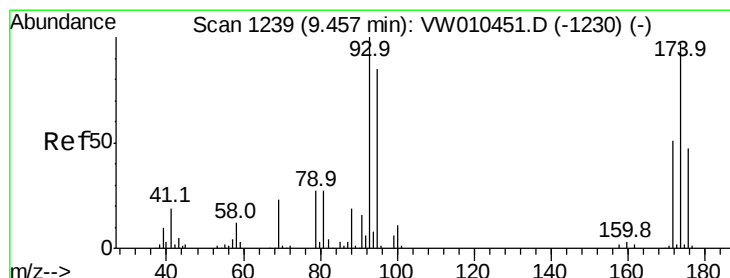
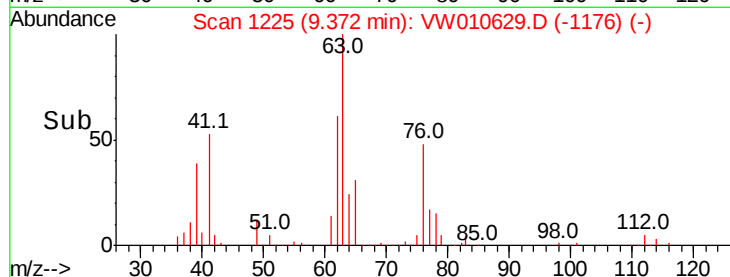
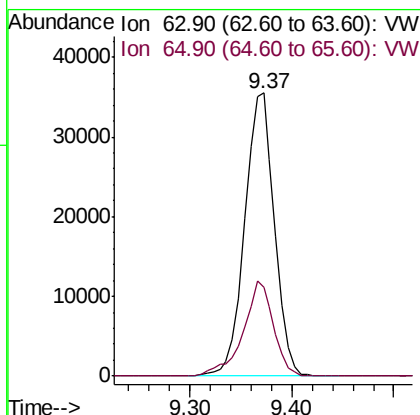
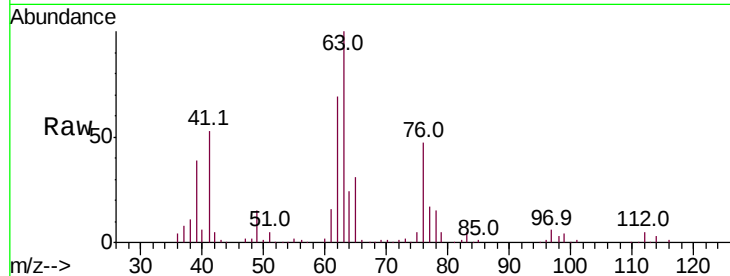
#45
 1,2-Dichloropropane
 Concen: 51.454 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	71716
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

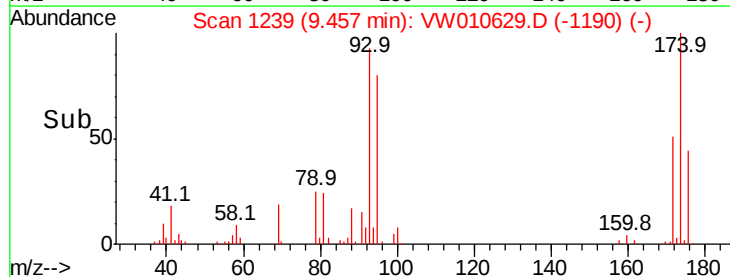
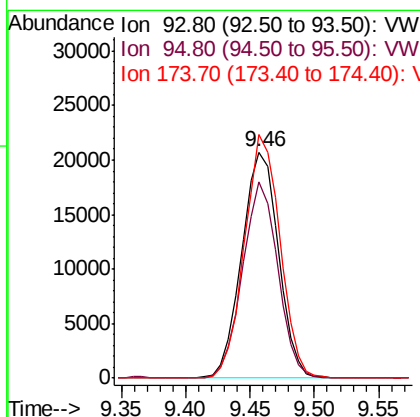
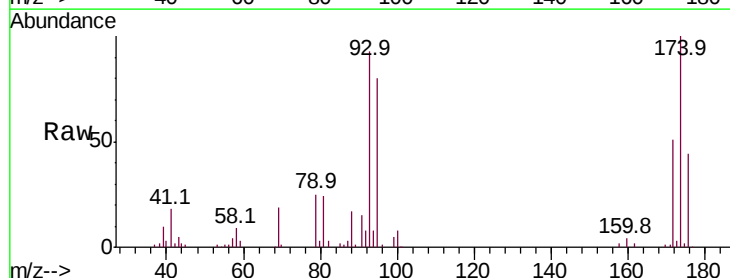
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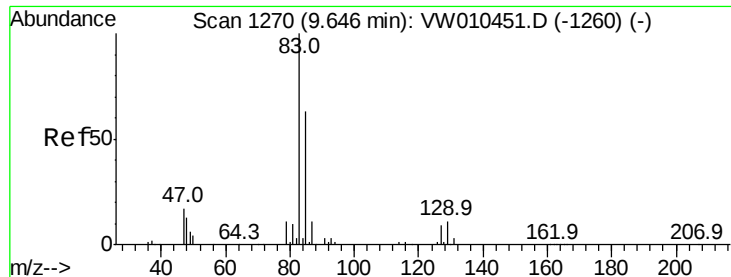
MMDadoda
 6/4/2019 8:44:27 AM



#46
 Dibromomethane
 Concen: 50.110 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	93	Resp	40845
Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.1	99.1
174	104.5	77.1	115.7





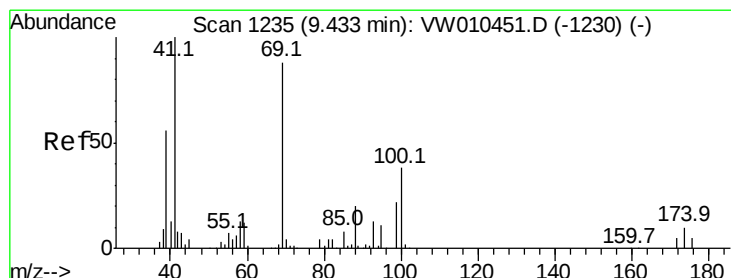
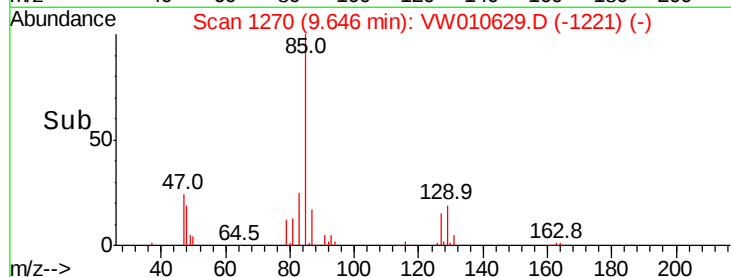
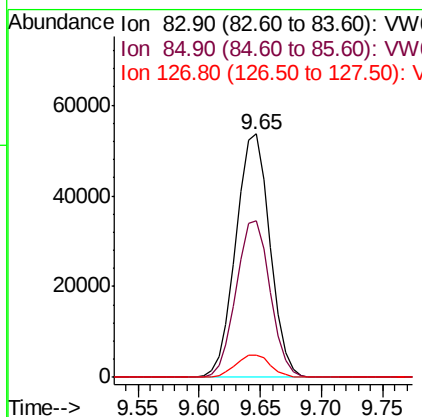
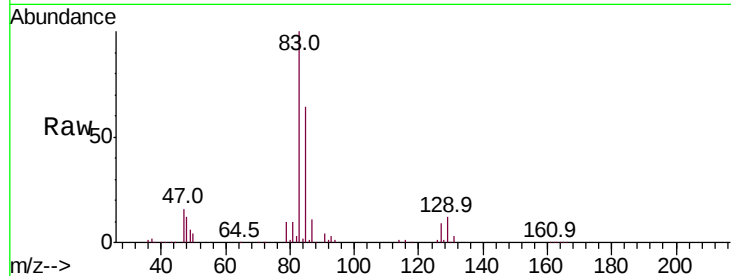
#47
Bromodichloromethane
Concen: 50.678 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	103807		
85	64.3		50.4	75.6
127	9.4		7.4	11.0

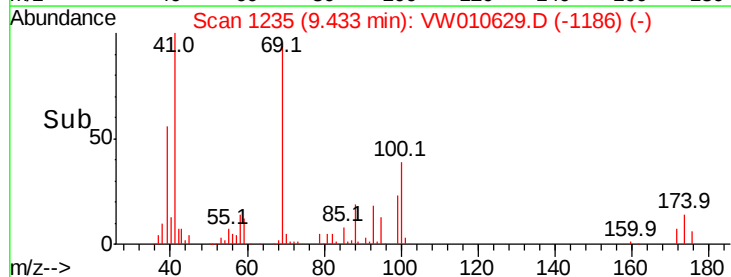
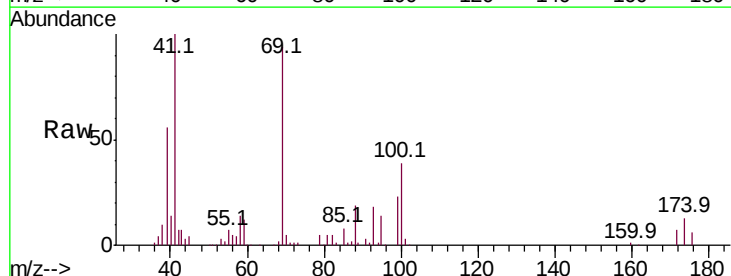
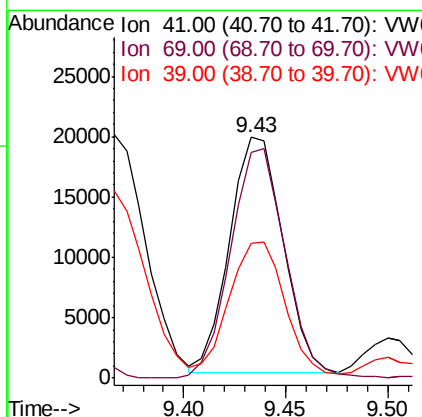
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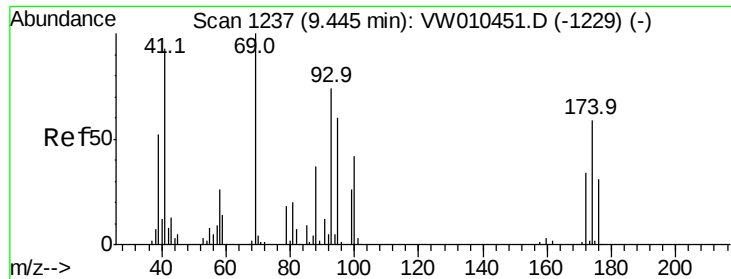
MMDadoda
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#48
Methyl methacrylate
Concen: 42.840 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	35156		
69	101.2		77.6	116.4
39	58.1		49.8	74.8





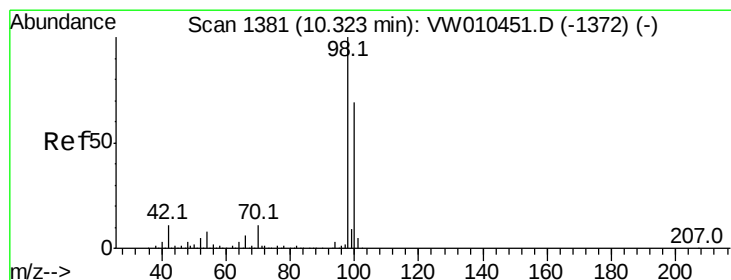
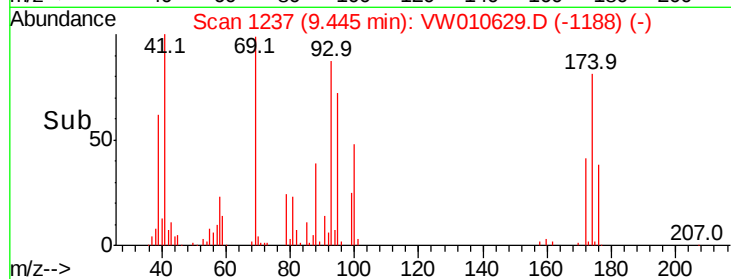
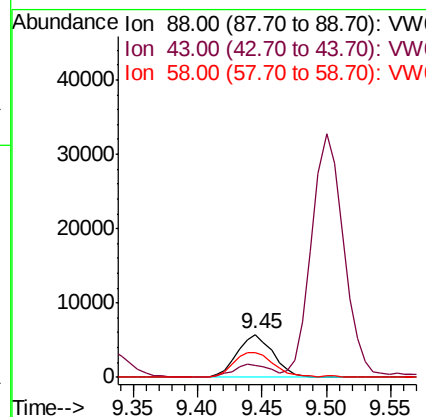
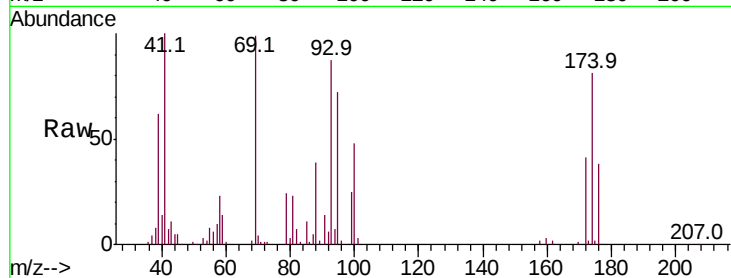
#49
1,4-Dioxane
Concen: 846.990 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	11278
Ion Ratio	Lower	Upper	
88	100		
43	29.3	25.9	38.9
58	64.5	52.7	79.1

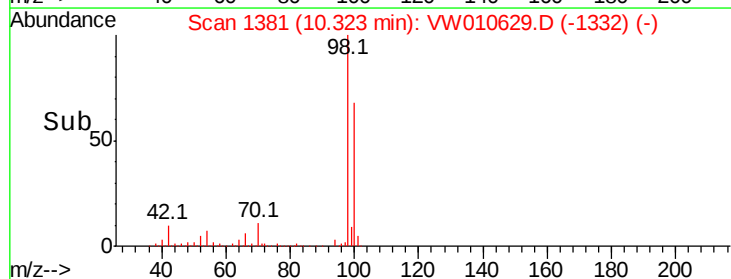
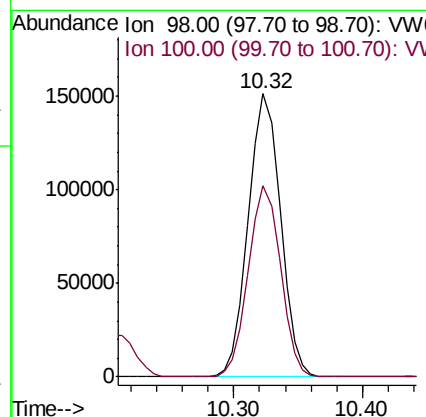
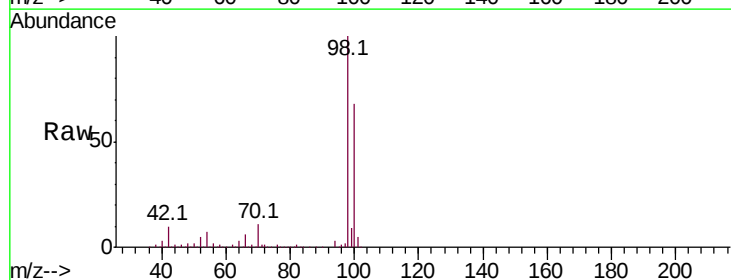
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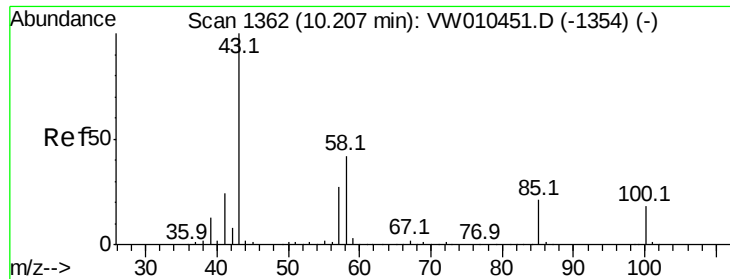
MMDadoda
6/4/2019 8:44:27 AM



#50
Toluene-d8
Concen: 49.971 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	98	Resp	262551
Ion Ratio	Lower	Upper	
98	100		
100	67.5	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 216.739 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 197004

Ion Ratio Lower Upper

43 100

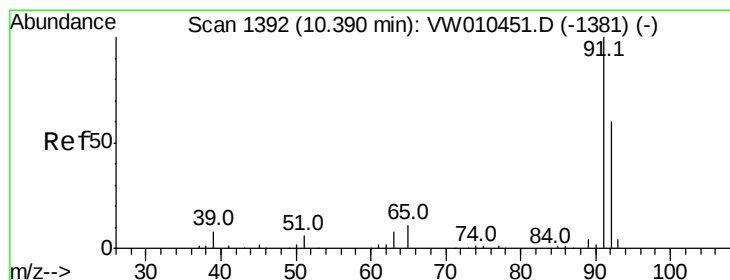
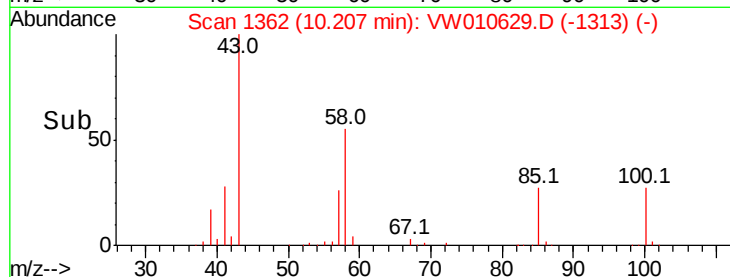
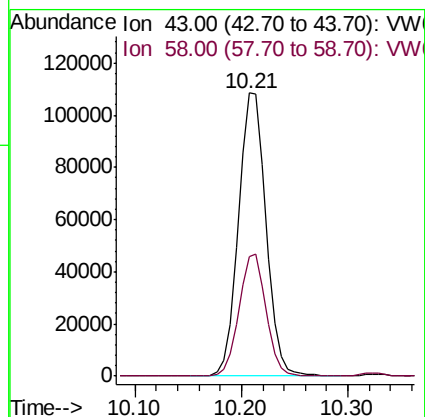
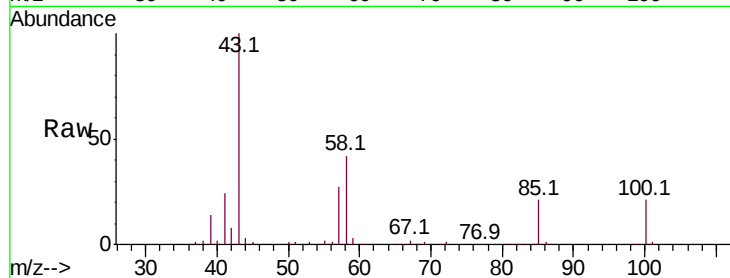
58 42.4 33.2 49.8

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#52

Toluene

Concen: 53.862 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010629.D

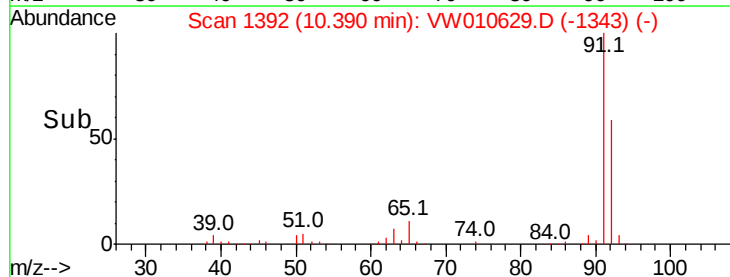
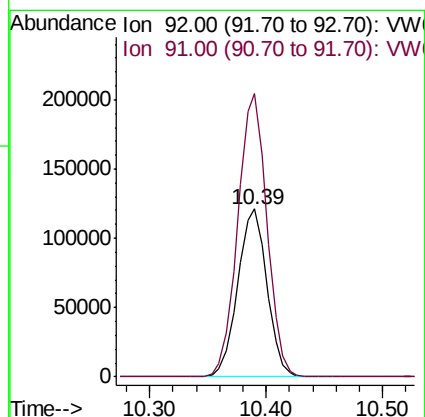
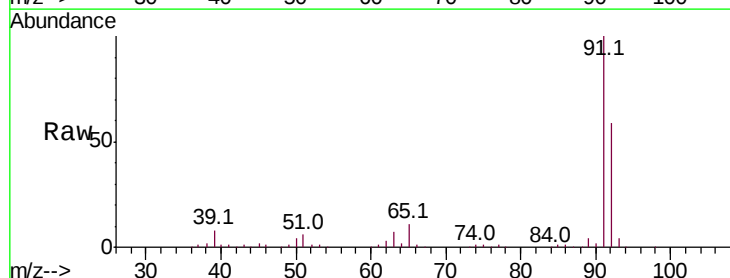
Acq: 31 May 2019 11:29

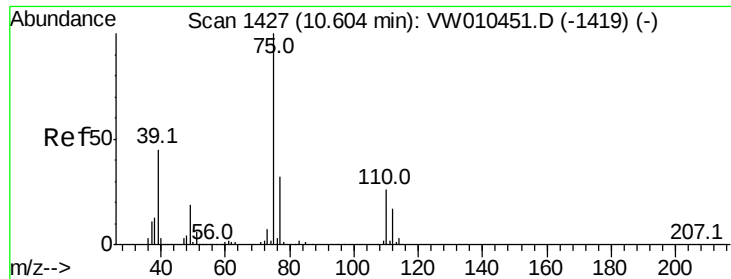
Tgt Ion: 92 Resp: 212280

Ion Ratio Lower Upper

92 100

91 168.2 135.4 203.0





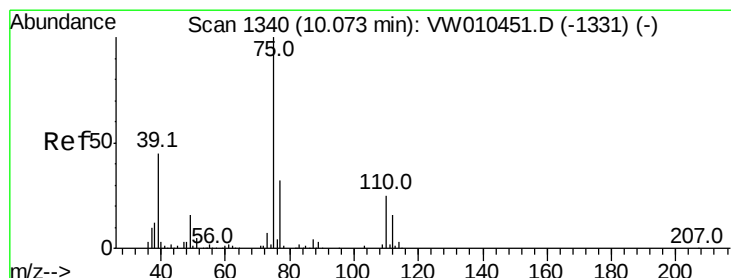
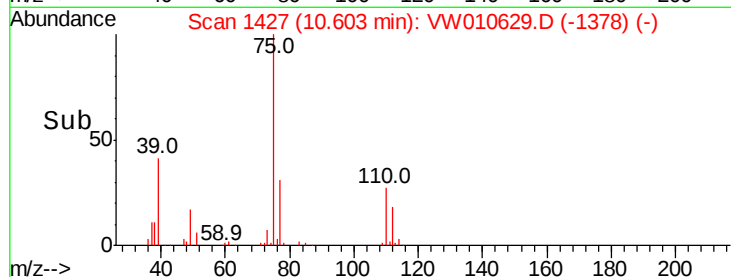
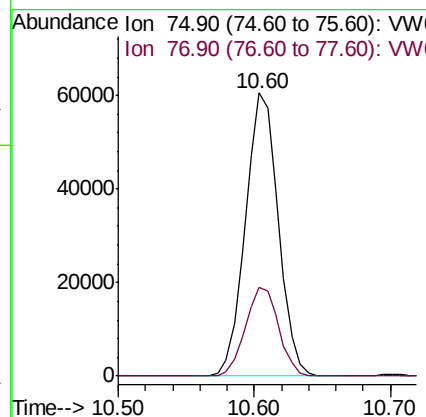
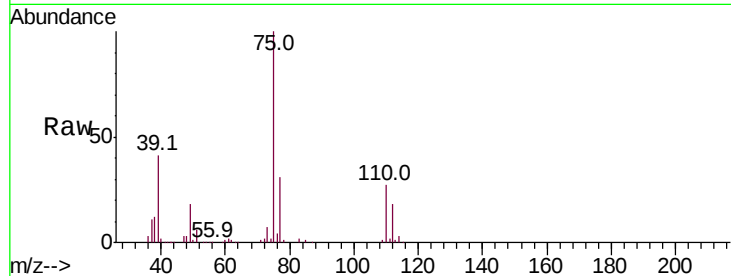
#53
 t-1,3-Dichloropropene
 Concen: 49.338 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

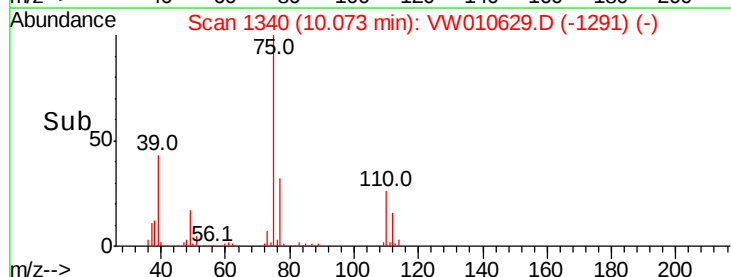
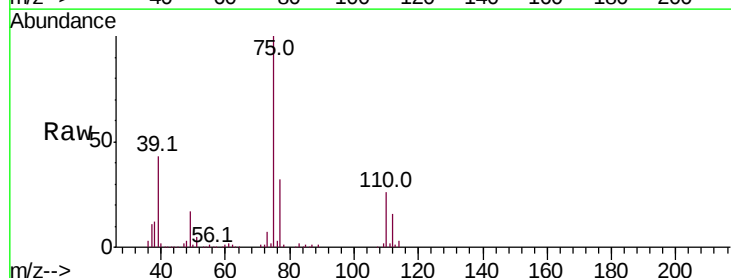
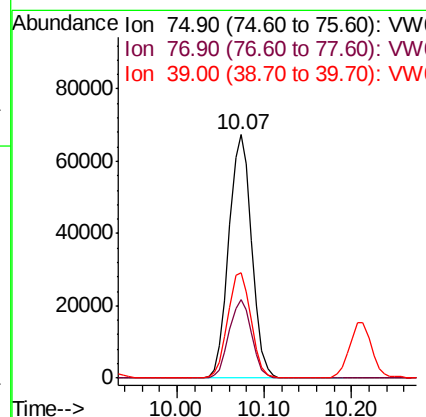
Manual Integrations
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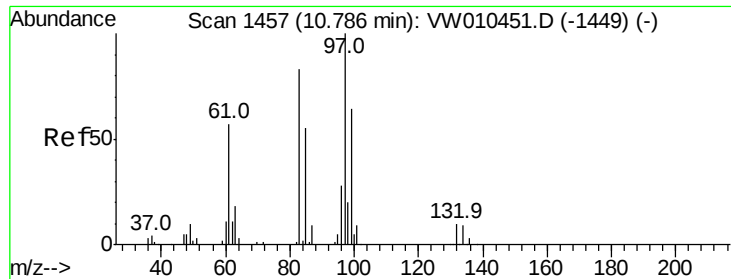
MMDadoda
 6/4/2019 8:44:27 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.478 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
39	43.4	36.2	54.4





#55

1,1,2-Trichloroethane

Concen: 50.584 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 59292

Ion Ratio Lower Upper

97 100

83 77.6 66.1 99.1

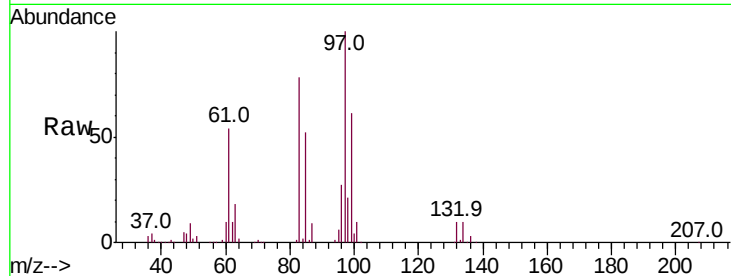
85 52.4 44.2 66.4

99 61.1 51.1 76.7

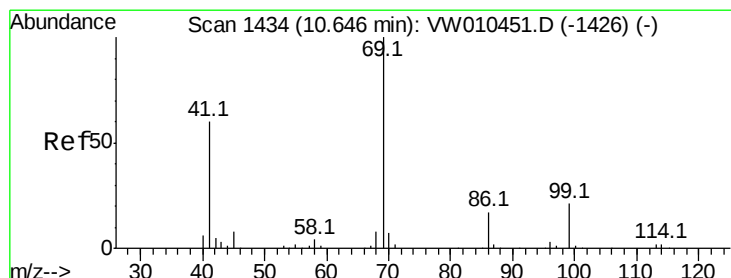
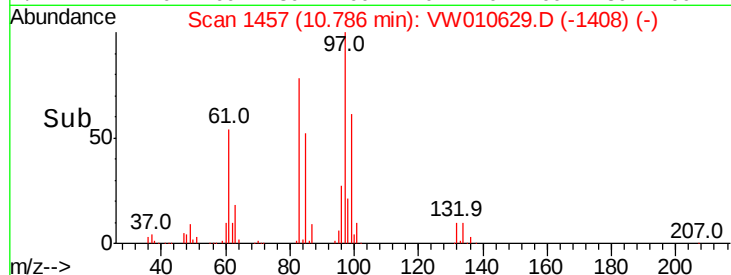
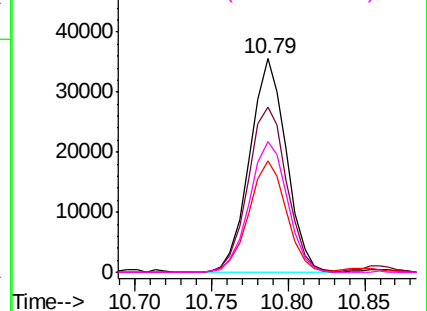
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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 45.977 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

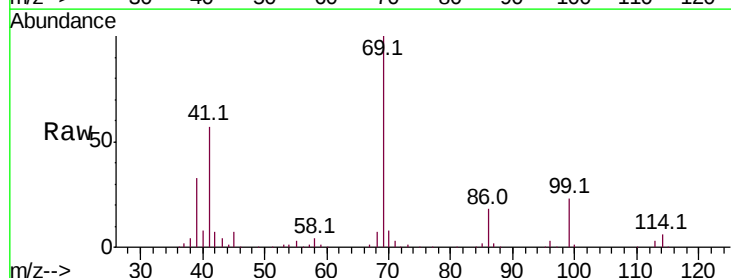
Tgt Ion: 69 Resp: 74325

Ion Ratio Lower Upper

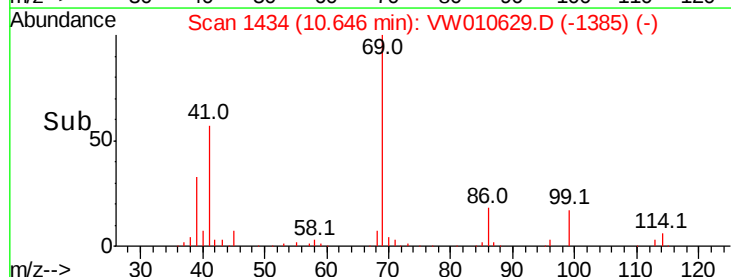
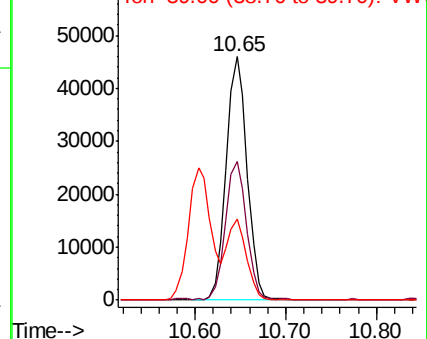
69 100

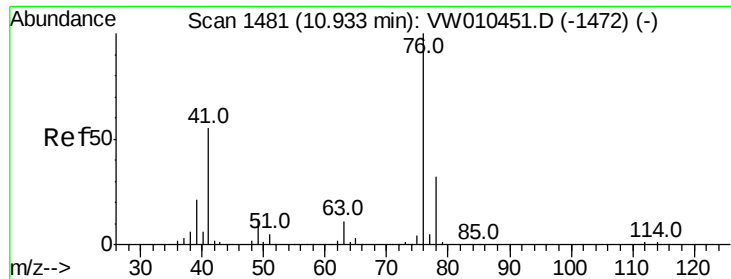
41 56.9 47.7 71.5

39 31.2 25.3 37.9



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





#57

1,3-Dichloropropane

Concen: 50.204 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :
MSVOA_W

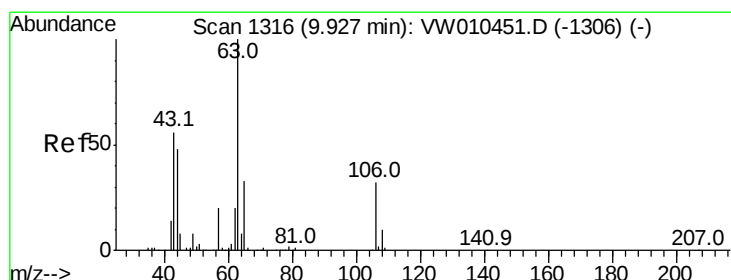
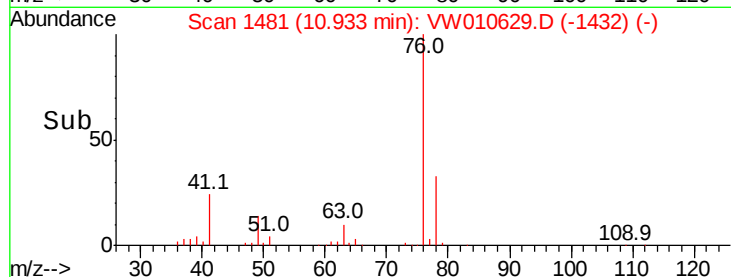
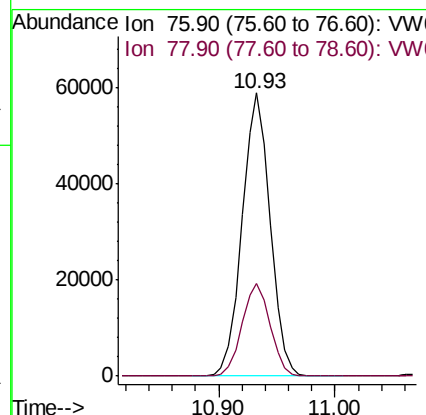
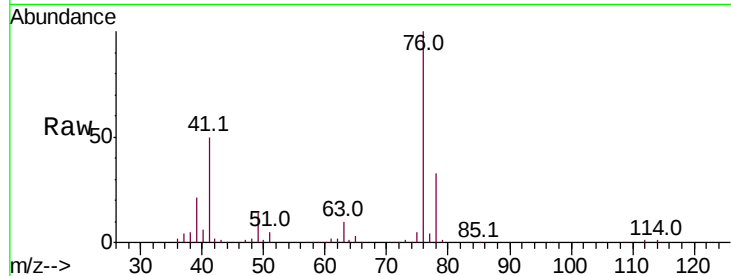
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 98572

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 231.250 ug/l

RT: 9.93 min Scan# 1316

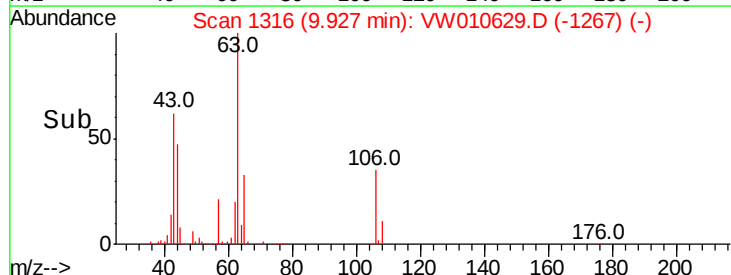
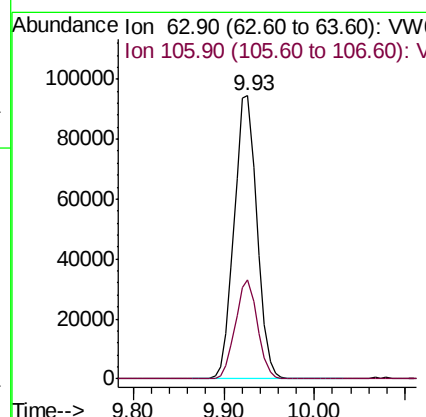
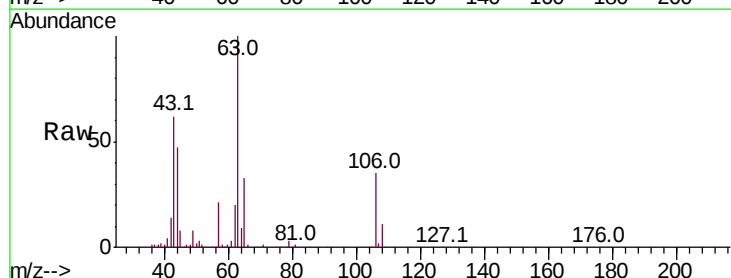
Delta R.T. -0.00 min

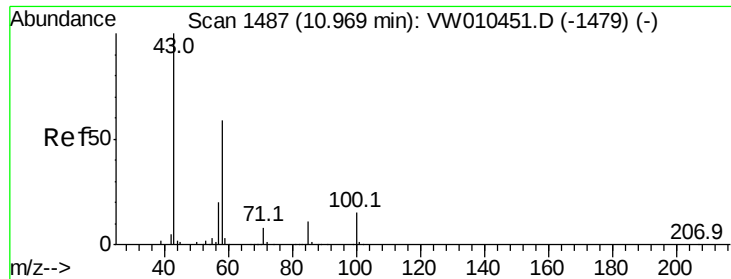
Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion: 63 Resp: 165582

Ion	Ratio	Lower	Upper
63	100		
106	33.7	25.8	38.6





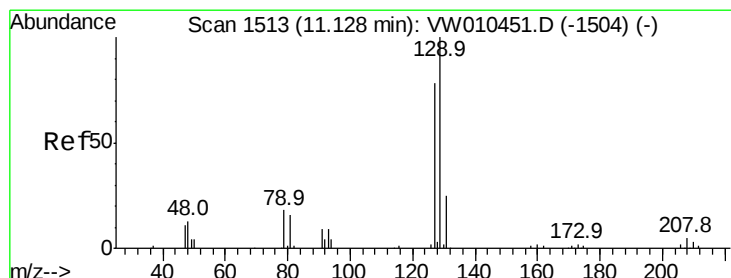
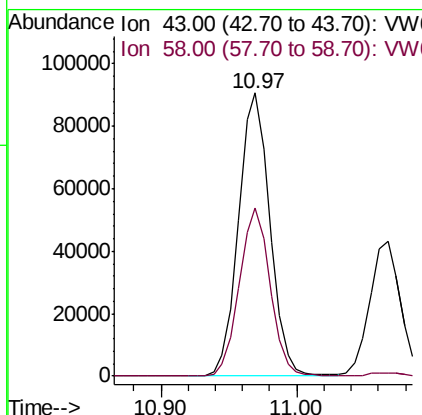
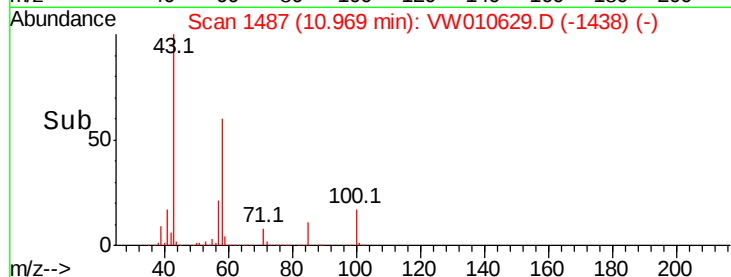
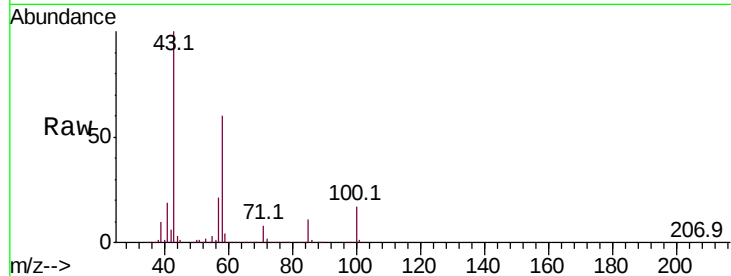
#59
2-Hexanone
Concen: 225.523 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 146228
Ion Ratio Lower Upper
43 100
58 58.4 28.9 86.8

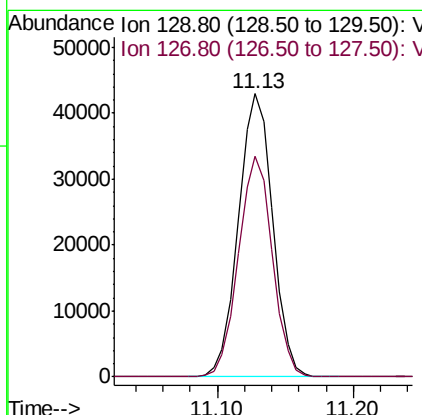
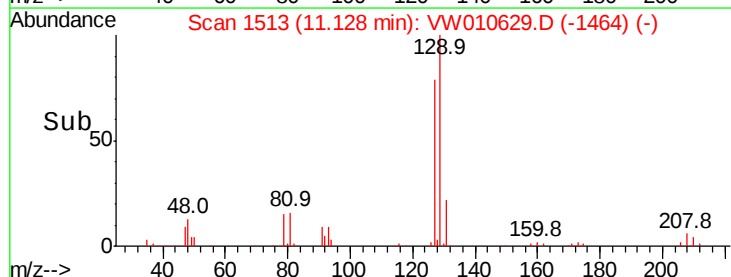
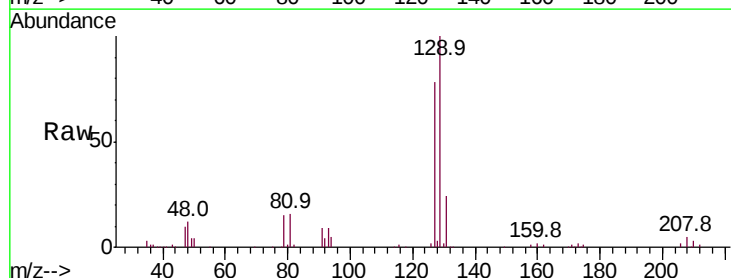
Manual Integrations
APPROVED

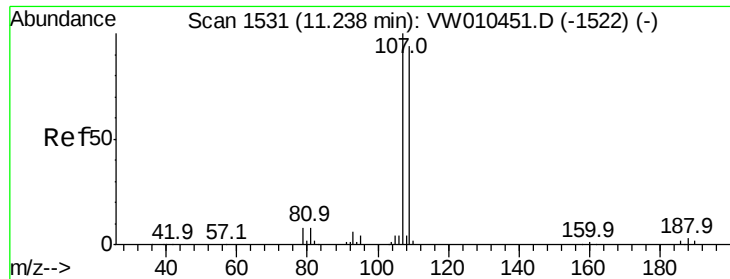
MMDadoda
6/4/2019 8:44:27 AM



#60
Dibromochloromethane
Concen: 50.896 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion: 129 Resp: 75502
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.854 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 59195

Ion Ratio Lower Upper

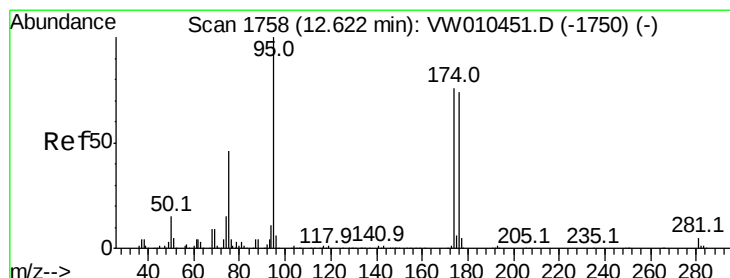
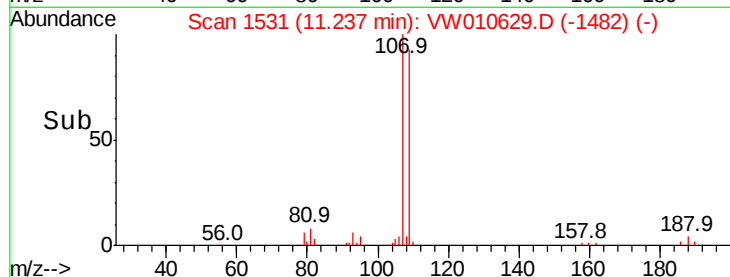
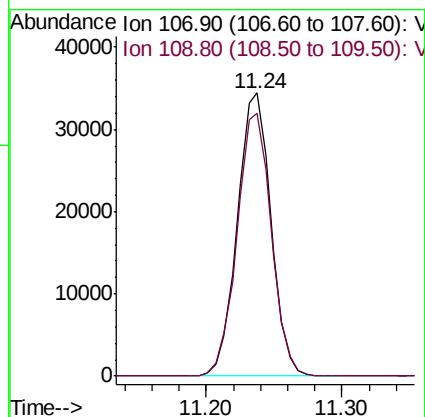
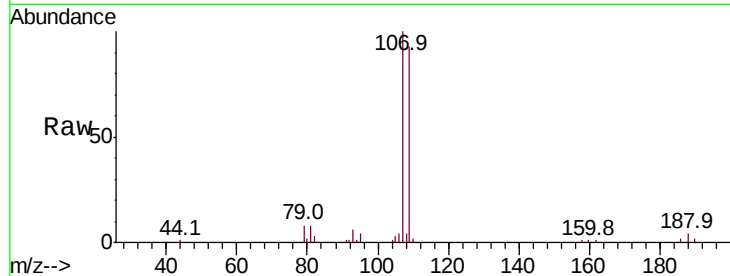
107 100

109 94.9 75.0 112.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.579 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

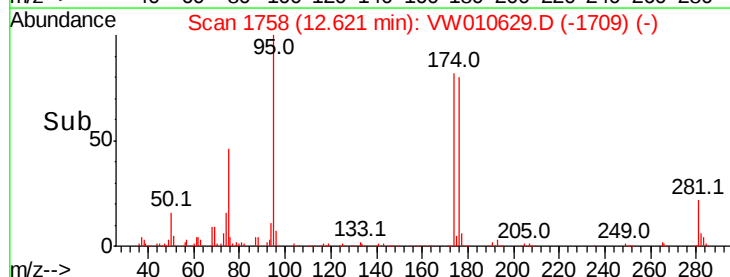
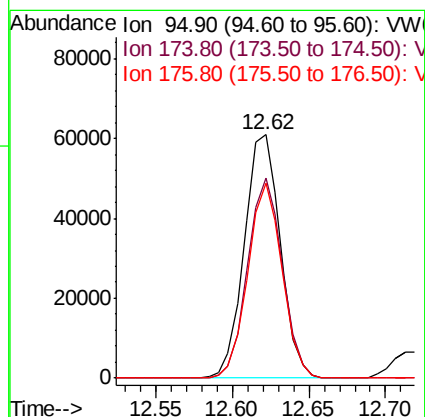
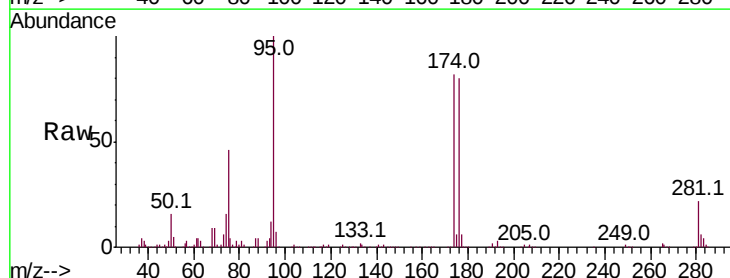
Tgt Ion: 95 Resp: 99572

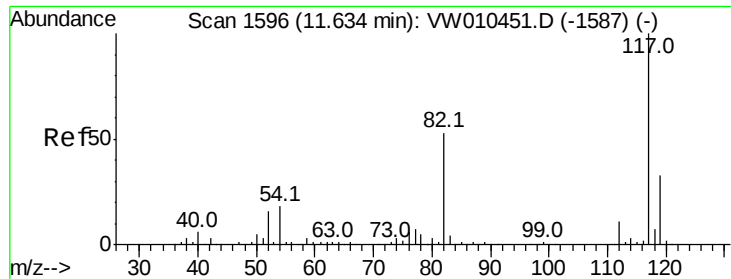
Ion Ratio Lower Upper

95 100

174 79.5 0.0 148.6

176 76.3 0.0 144.2





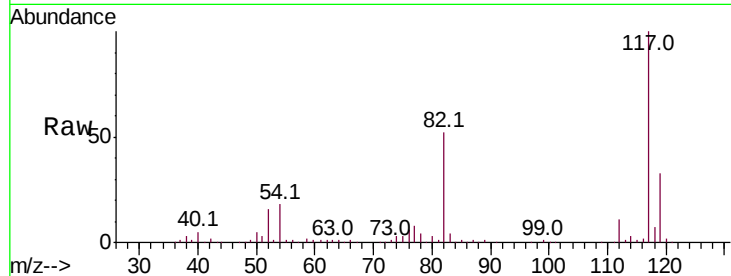
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.8	64.2
119	32.7	26.3	39.5

Manual Integrations
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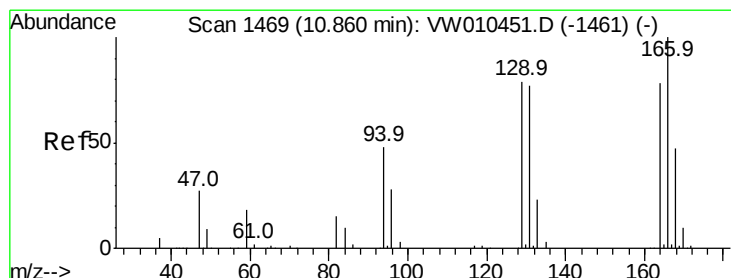
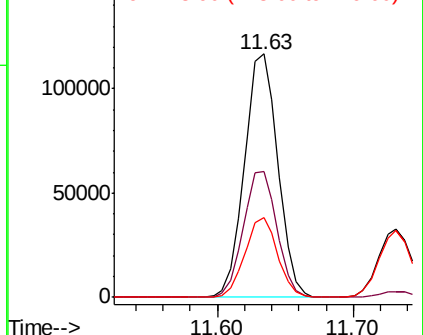
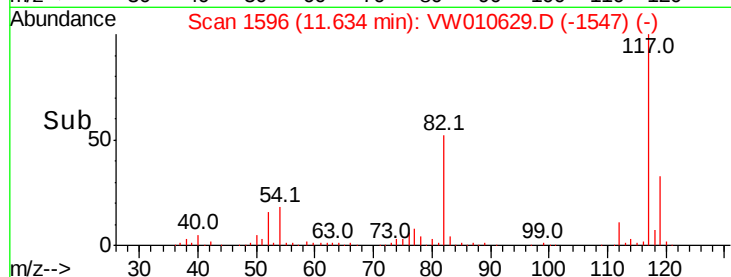


Abundance

Ion 116.90 (116.60 to 117.60): V

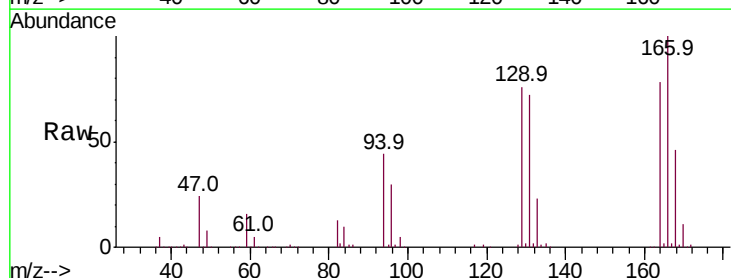
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 55.874 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.9	152.9
129	96.6	80.6	121.0
131	92.4	78.2	117.2



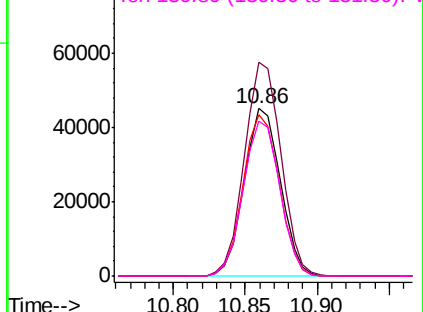
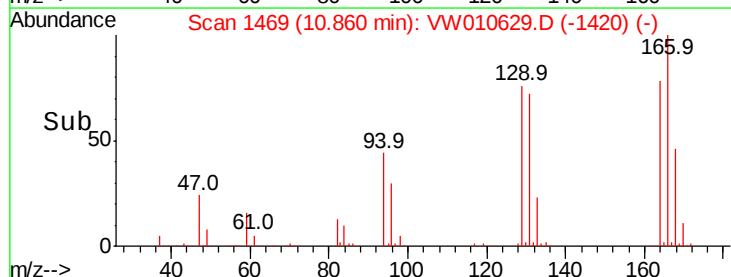
Abundance

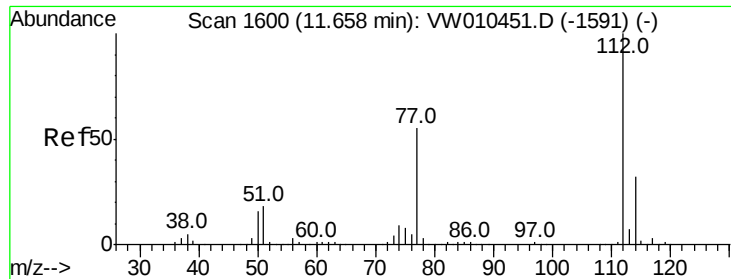
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





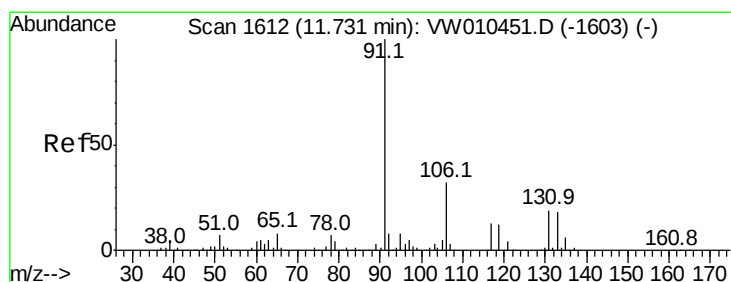
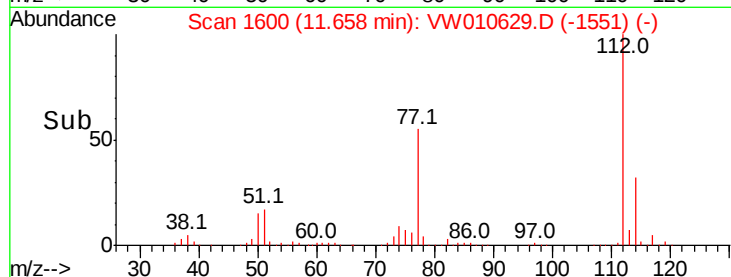
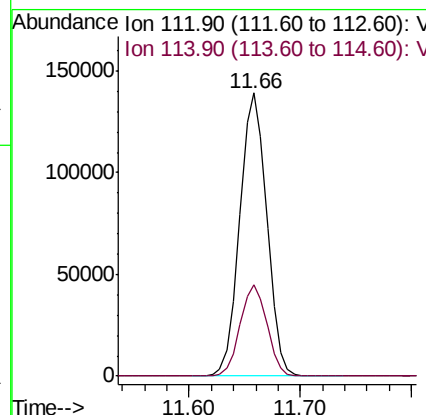
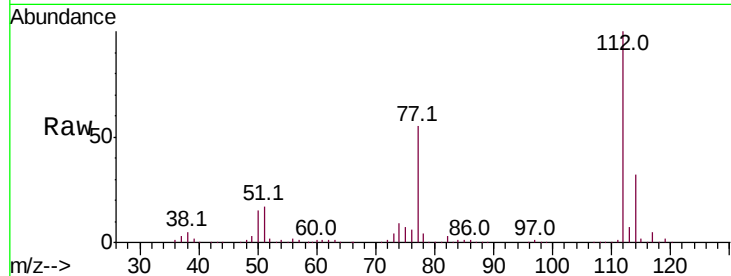
#65
Chlorobenzene
Concen: 54.537 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 233492
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

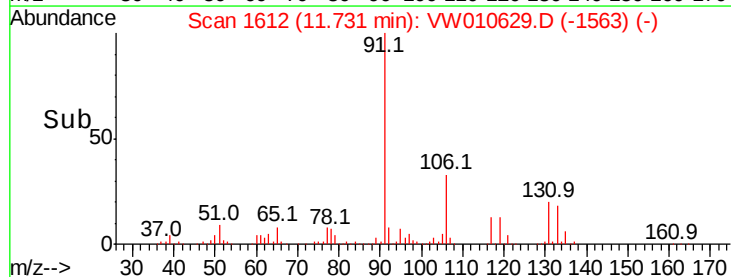
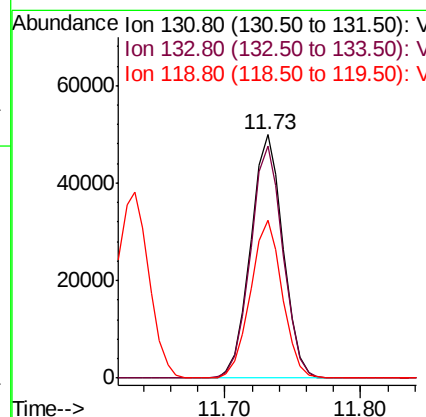
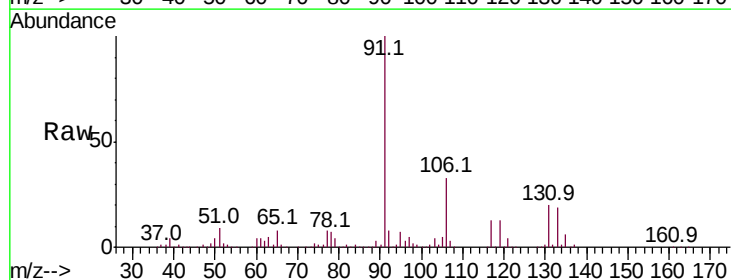
Manual Integrations
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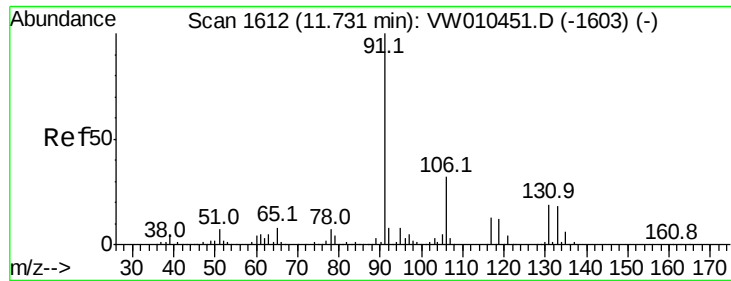
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.345 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:131 Resp: 83347
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 63.7 32.1 96.5





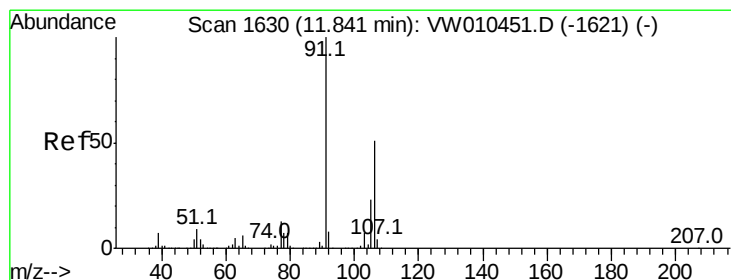
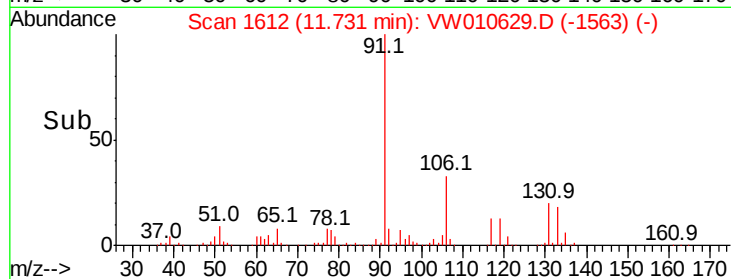
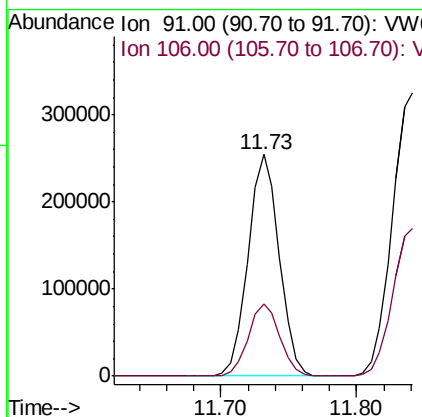
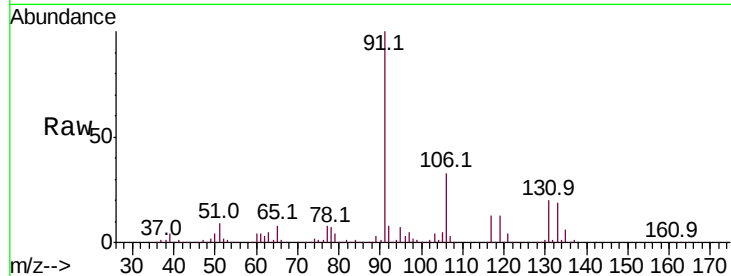
#67
Ethyl Benzene
Concen: 53.948 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.9	38.9

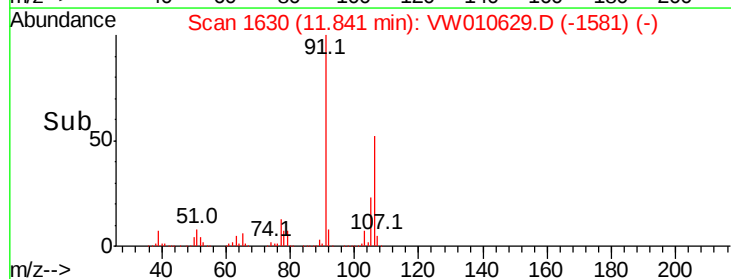
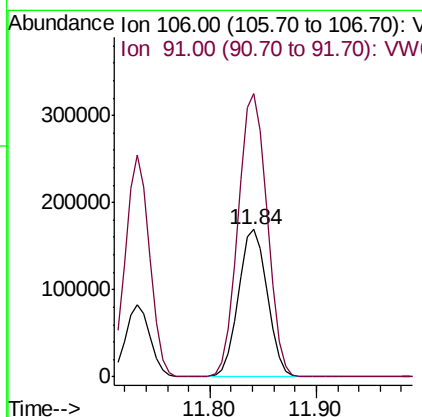
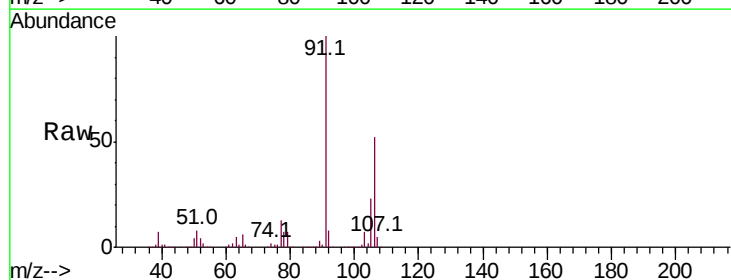
Manual Integrations
APPROVED

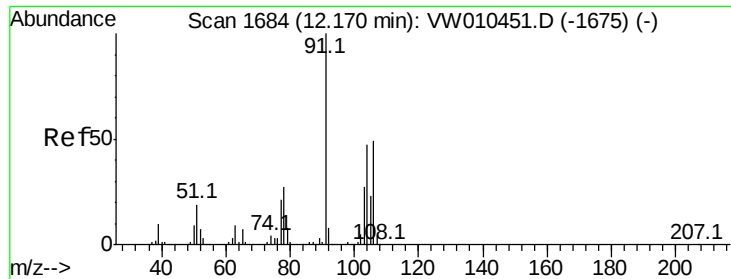
MMDadoda
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#68
m/p-Xylenes
Concen: 108.657 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.4	156.0	234.0





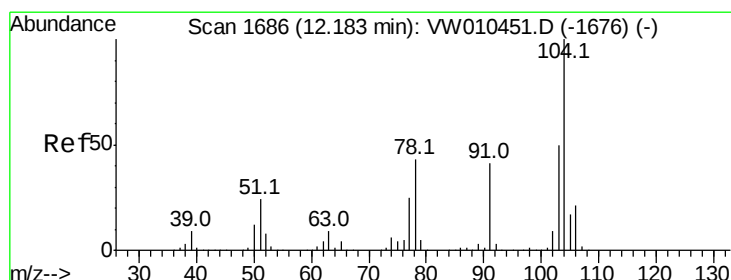
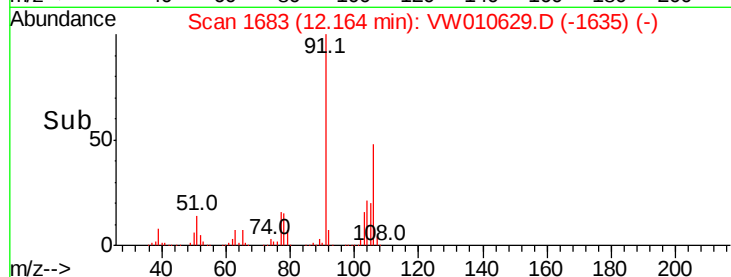
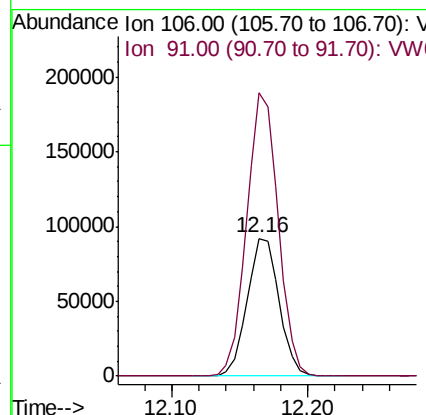
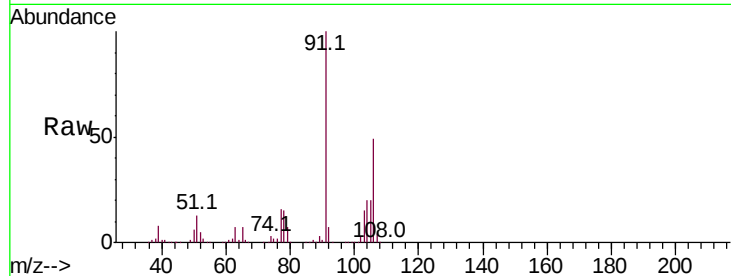
#69
o-Xylene
Concen: 53.715 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 150888
Ion Ratio Lower Upper
106 100
91 203.7 103.2 309.4

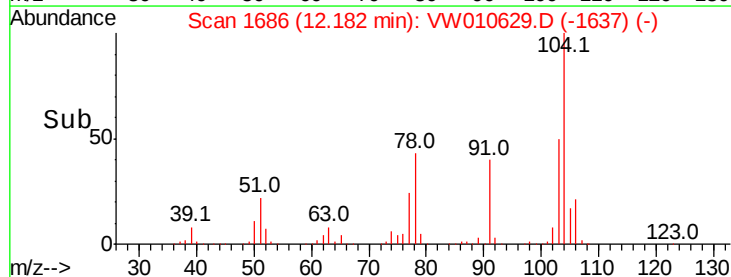
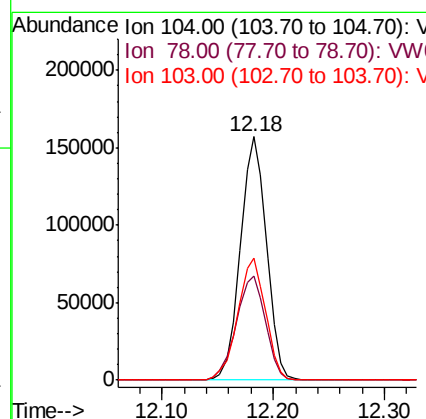
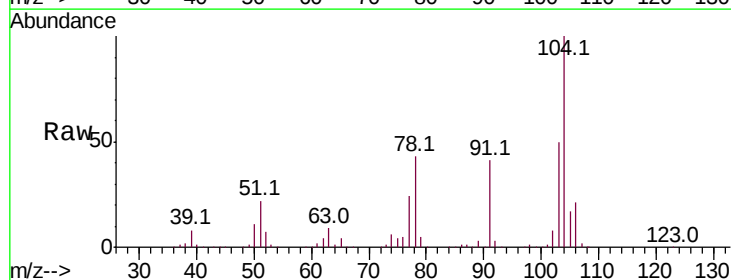
Manual Integrations
APPROVED

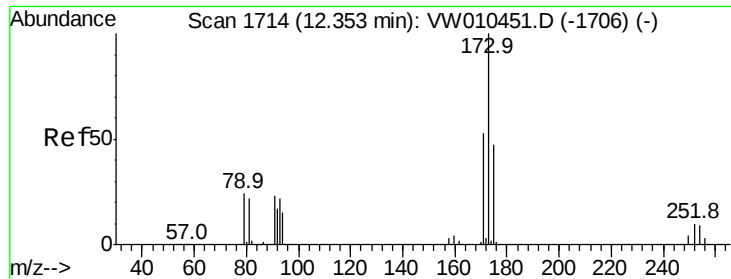
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#70
Styrene
Concen: 53.334 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:104 Resp: 254196
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 53.5 43.0 64.6





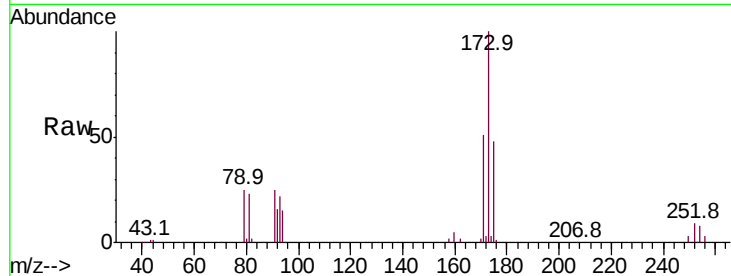
#71
Bromoform
Concen: 48.191 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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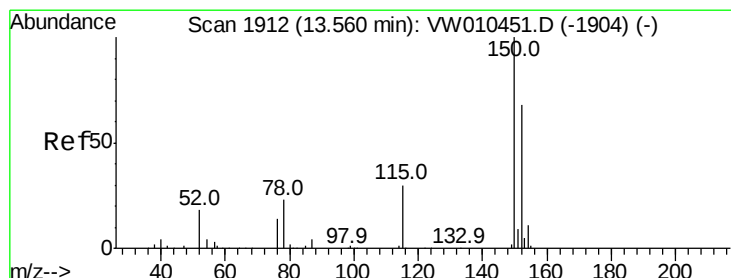
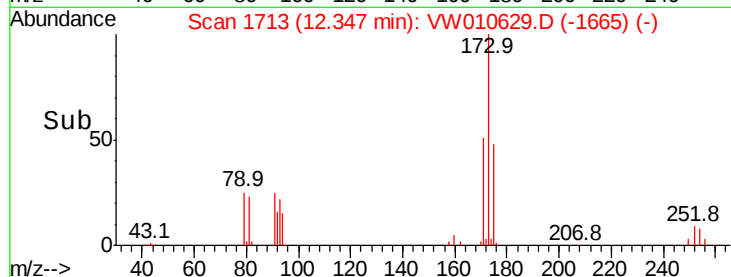
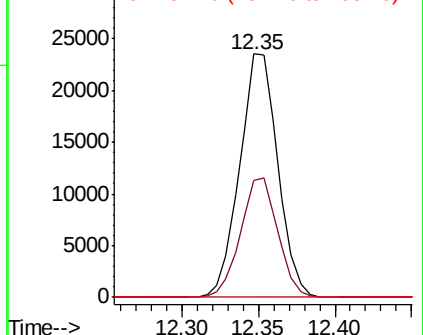


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

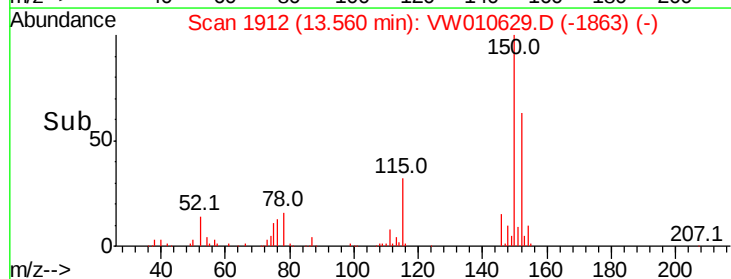
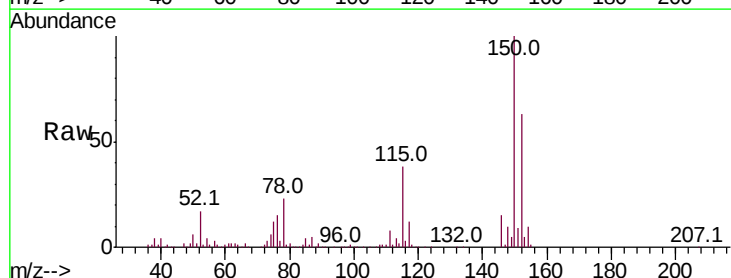
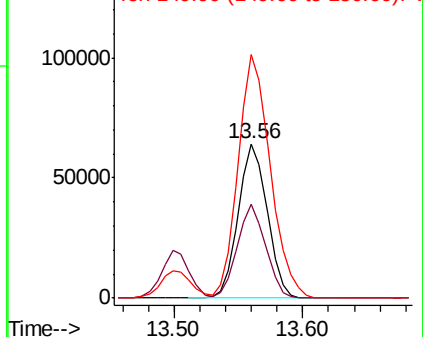
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	91.0
150	175.6	0.0	349.8

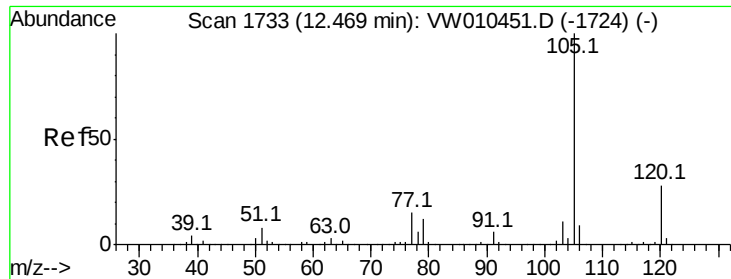
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.890 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 418085

Ion Ratio Lower Upper

105 100

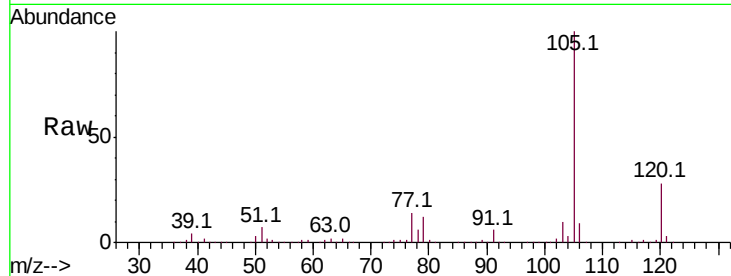
120 27.9 13.9 41.7

Manual Integrations

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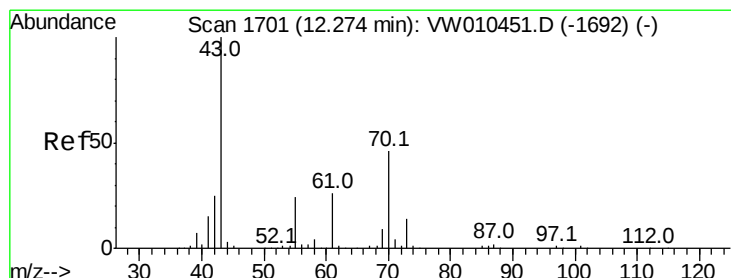
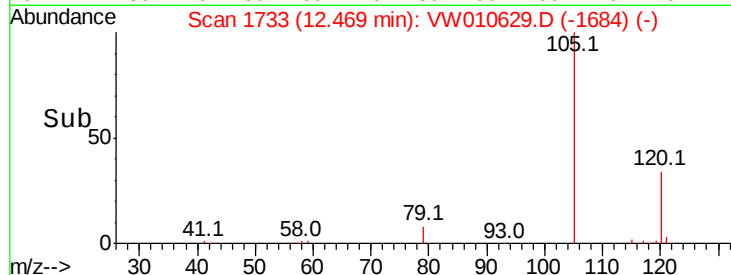
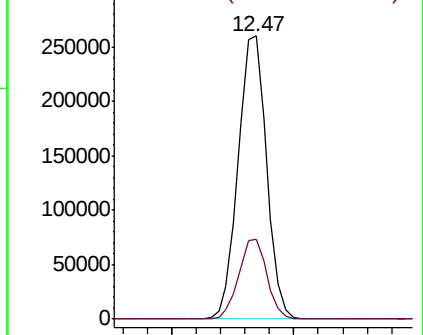
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.028 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion: 43 Resp: 76131

Ion Ratio Lower Upper

43 100

70 48.7 37.1 55.7

55 25.9 19.6 29.4

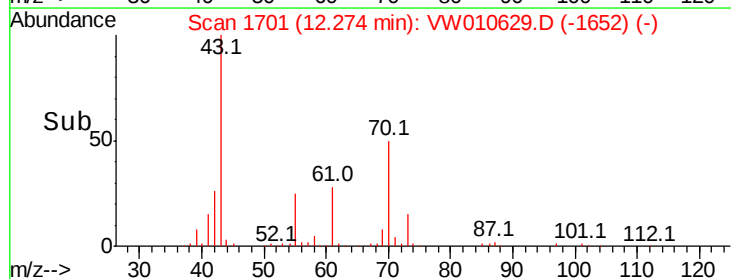
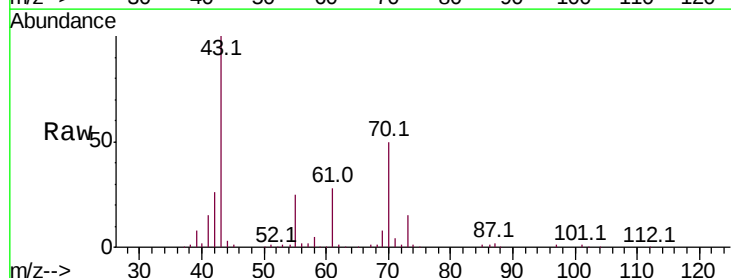
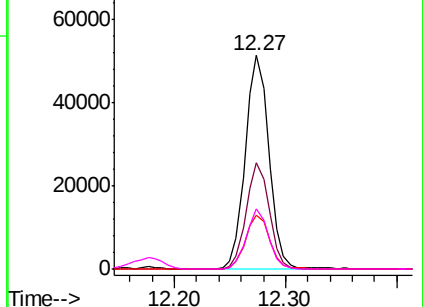
61 26.2 20.7 31.1

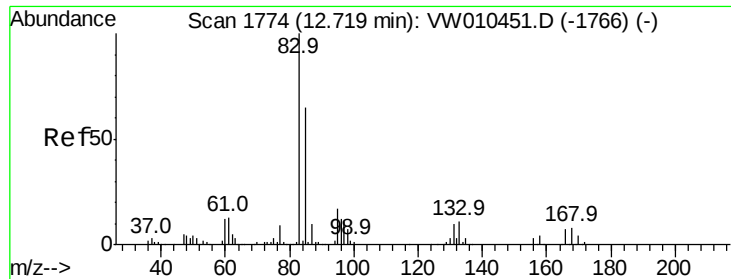
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 44.787 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

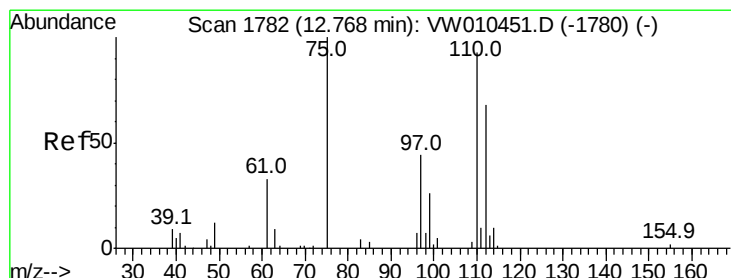
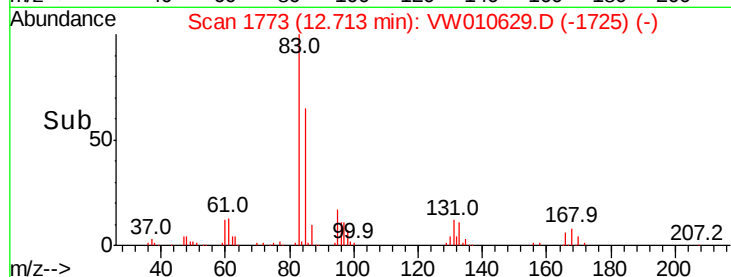
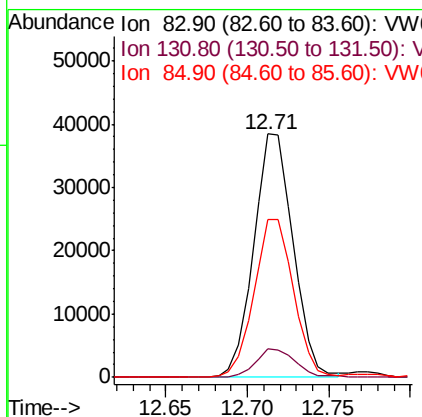
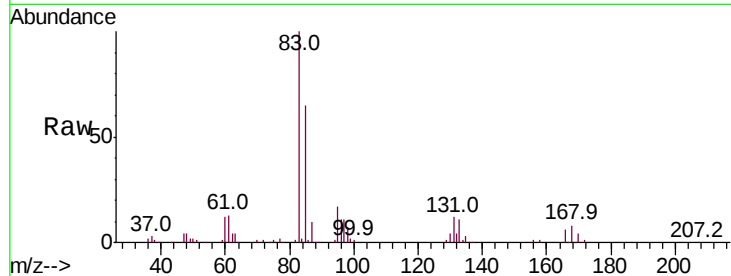
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	64394
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.6	16.8
85	65.0	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 44.738 ug/l m

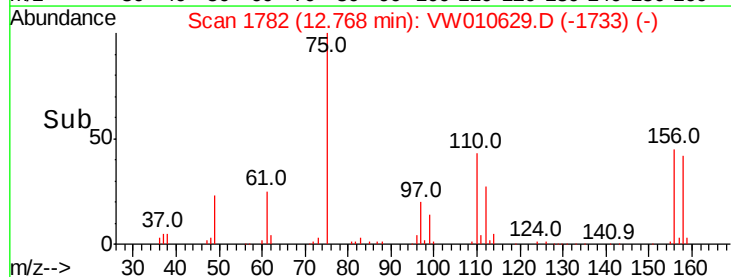
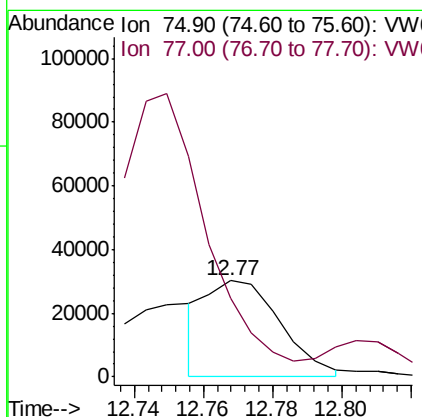
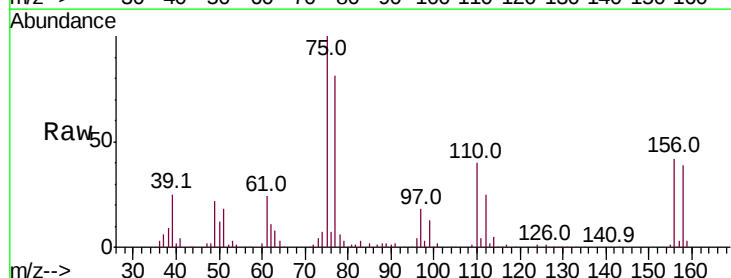
RT: 12.77 min Scan# 1782

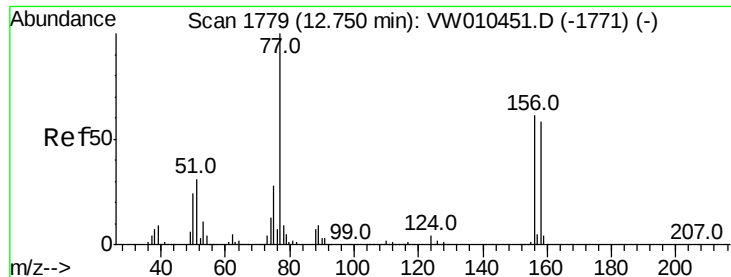
Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion:	75	Resp:	45237
Ion	Ratio	Lower	Upper
75	100		
77	363.3	170.0	510.1





#77

Bromobenzene

Concen: 53.733 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Instrument :

MSVOA_W

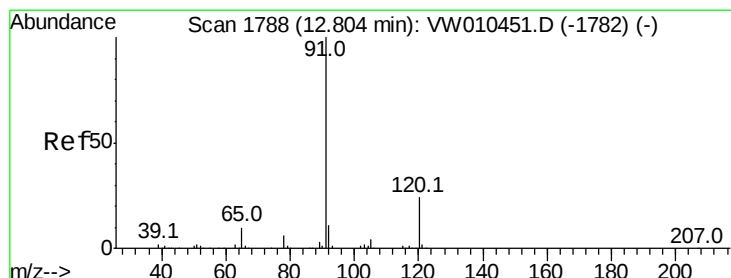
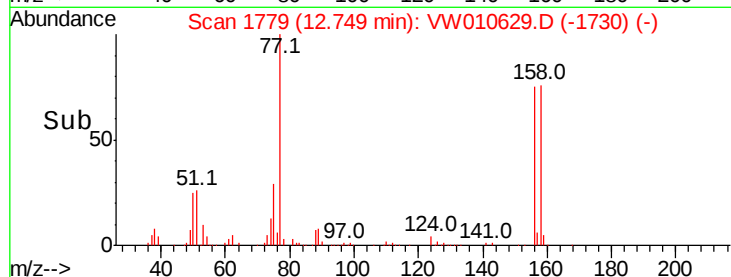
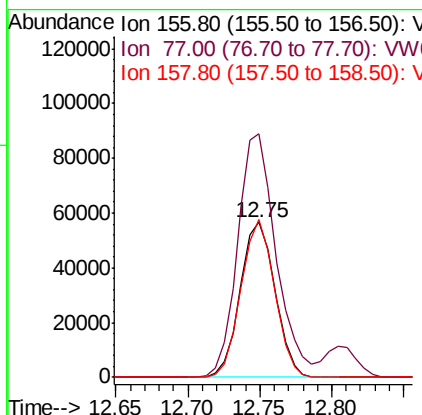
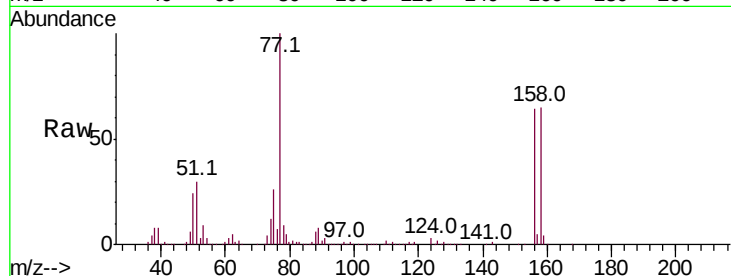
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	95051
Ion Ratio	Lower	Upper	
156	100		
77	172.9	92.4	277.2
158	97.9	48.3	144.8

Manual Integrations
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6/4/2019 8:44:27 AM



#78

n-propylbenzene

Concen: 51.975 ug/l

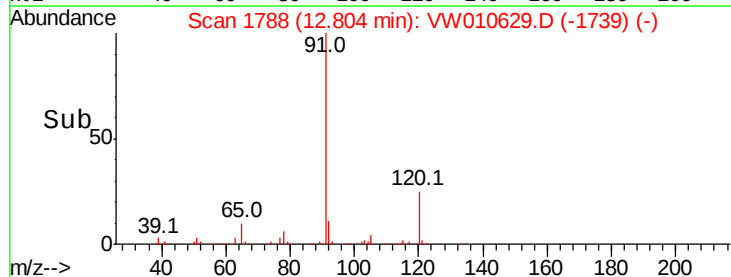
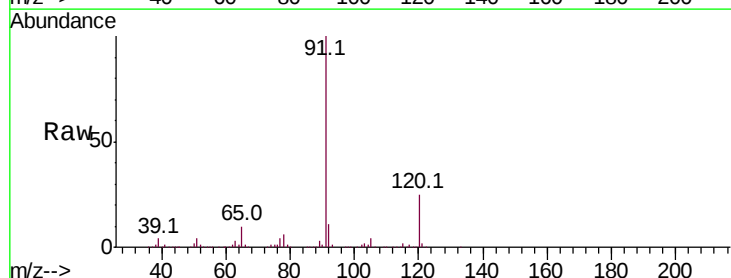
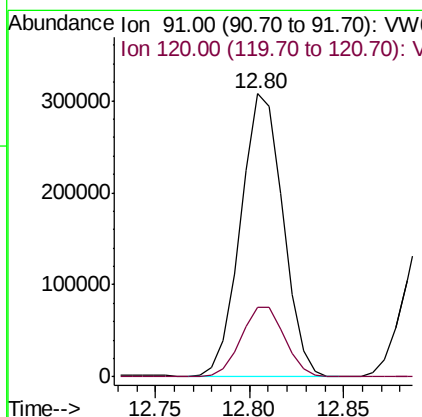
RT: 12.80 min Scan# 1788

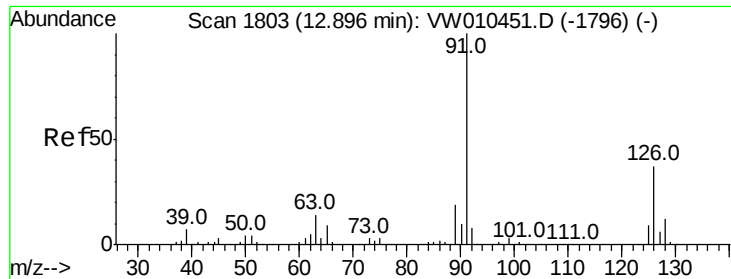
Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion:	91	Resp:	478795
Ion Ratio	Lower	Upper	
91	100		
120	25.5	12.3	36.8





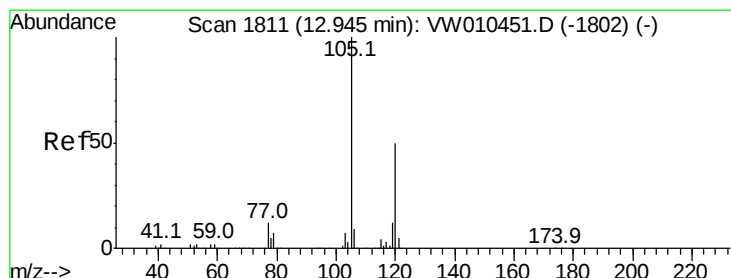
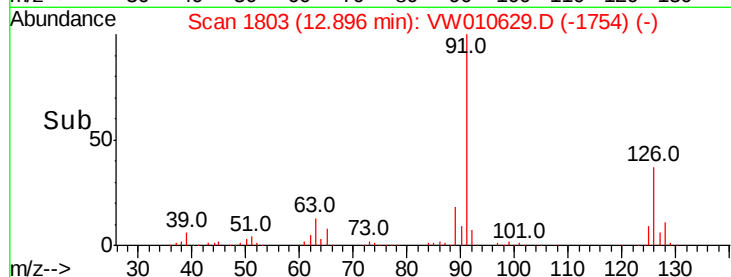
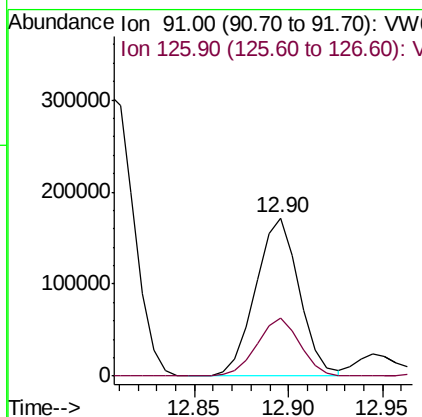
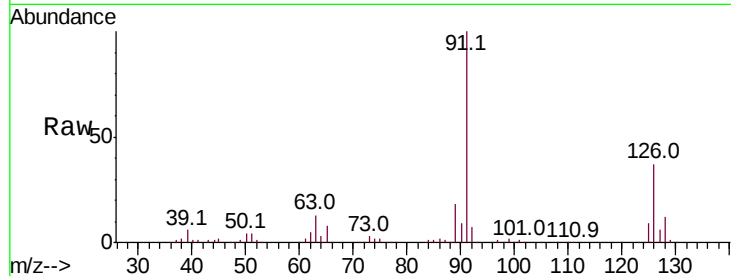
#79
2-Chlorotoluene
Concen: 51.623 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 275782
Ion Ratio Lower Upper
91 100
126 36.2 17.4 52.3

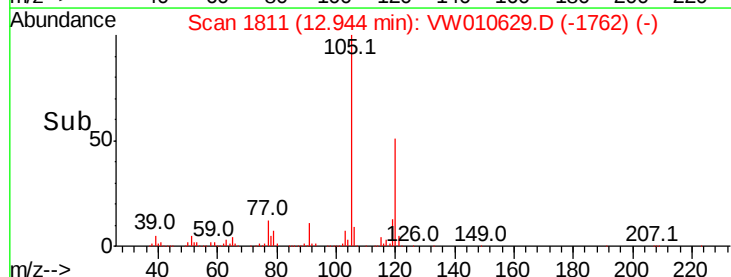
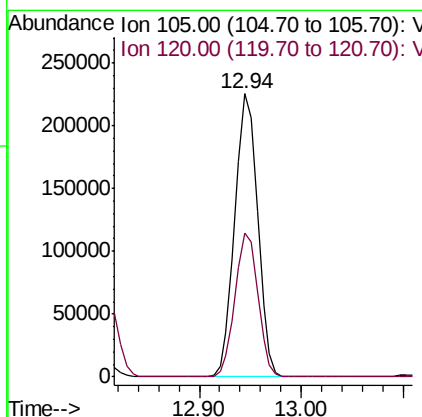
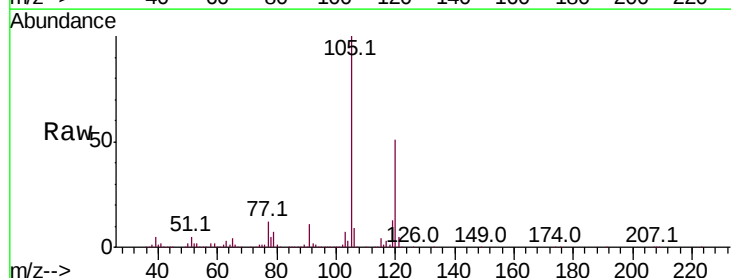
Manual Integrations
APPROVED

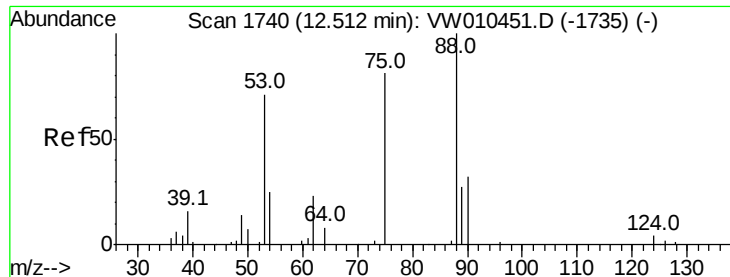
MMDadoda
6/4/2019 8:44:27 AM



#80
1,3,5-Trimethylbenzene
Concen: 52.183 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:105 Resp: 349361
Ion Ratio Lower Upper
105 100
120 50.9 25.2 75.6





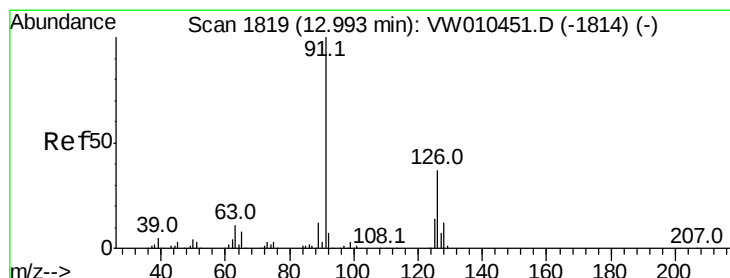
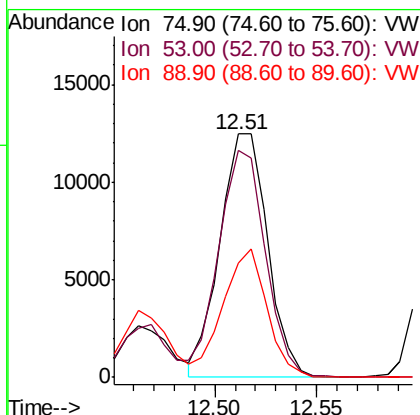
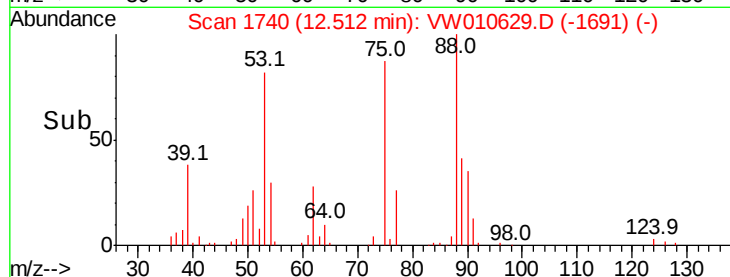
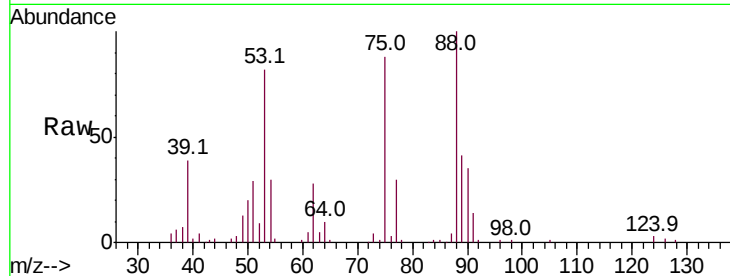
#81
trans-1,4-Dichloro-2-butene
Concen: 41.705 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	69.8	104.8
89	48.6	39.5	59.3

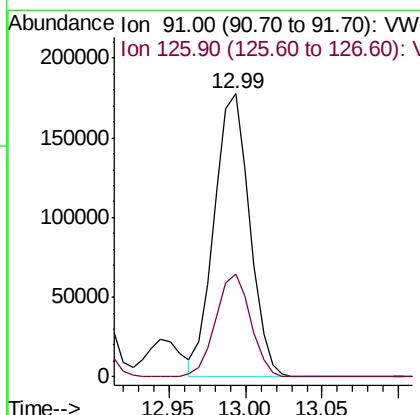
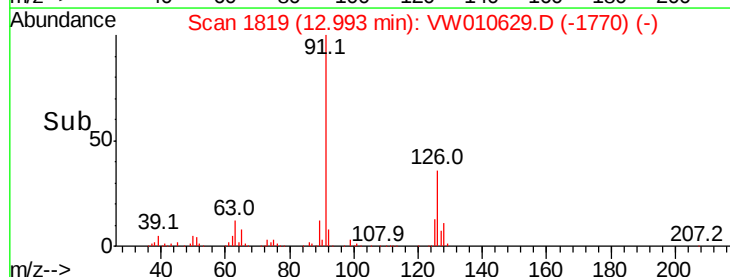
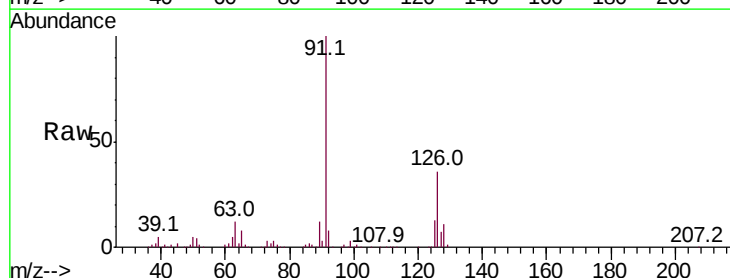
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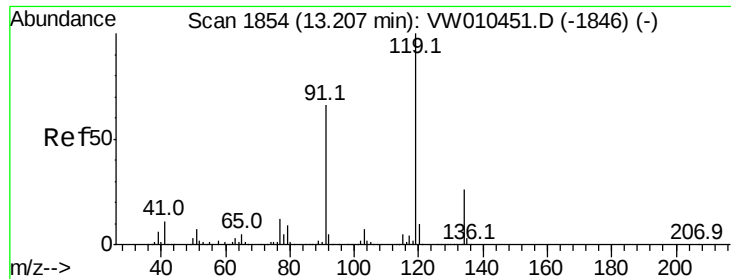
MMDadoda
6/4/2019 8:44:27 AM



#82
4-Chlorotoluene
Concen: 51.382 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.5	52.6





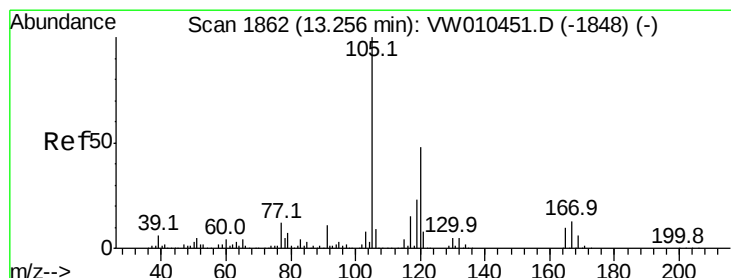
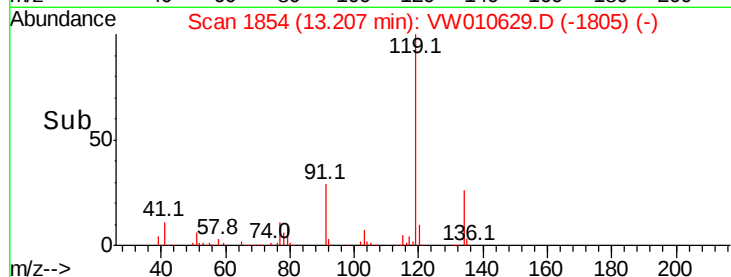
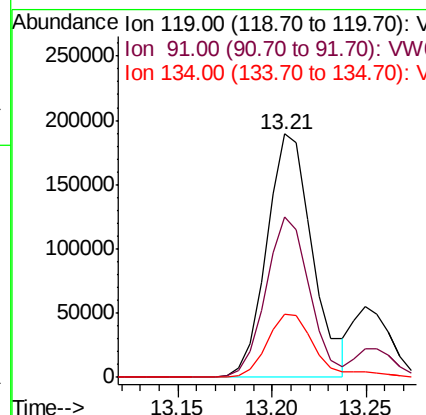
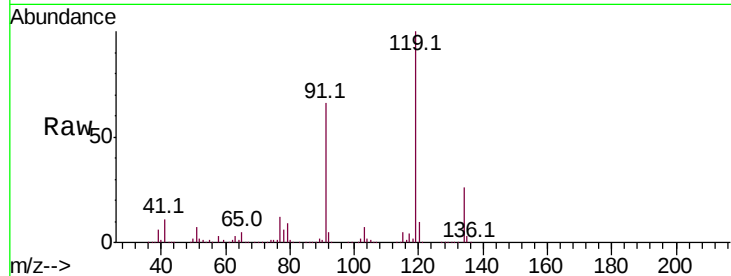
#83
 tert-Butylbenzene
 Concen: 54.417 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	318228		
91	63.1		33.1	99.5
134	27.4		13.9	41.6

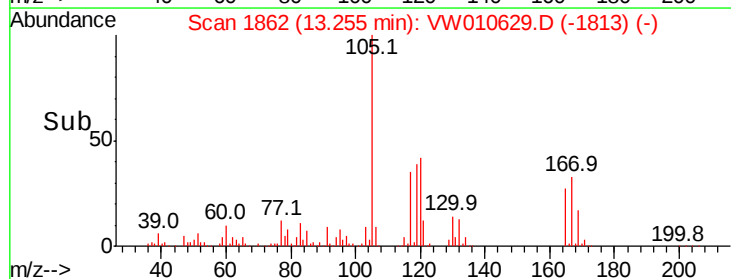
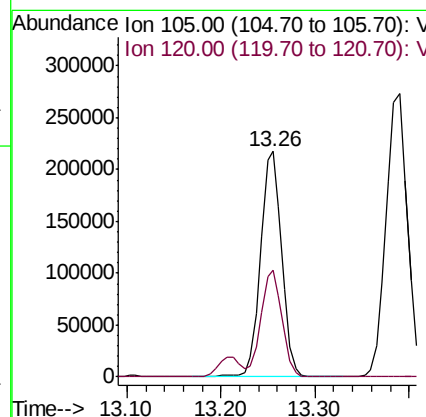
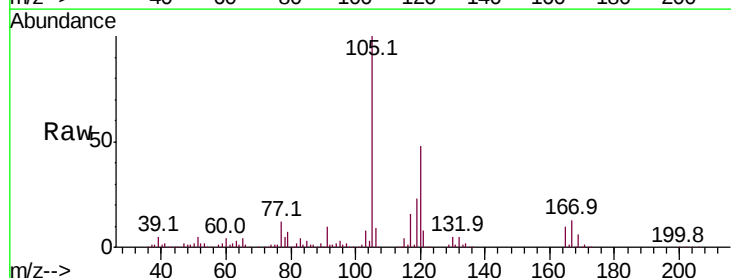
Manual Integrations
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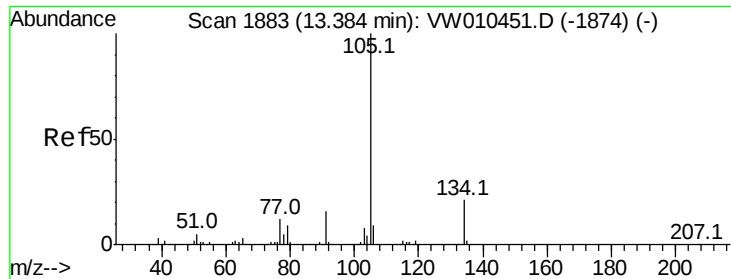
MMDadoda
 6/4/2019 8:44:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.657 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344442		
120	46.9		23.4	70.2





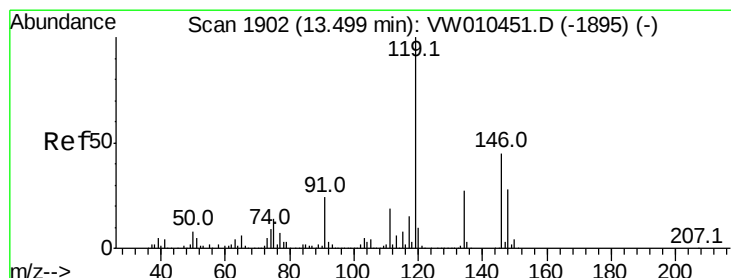
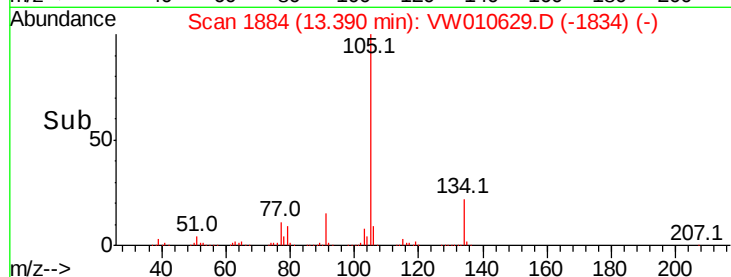
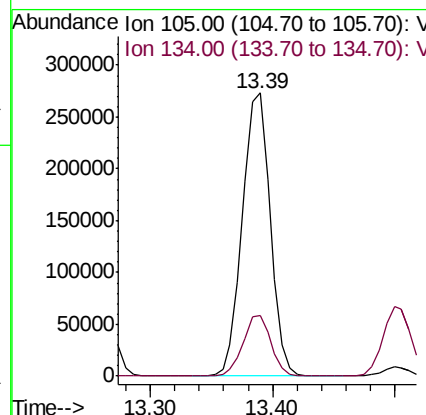
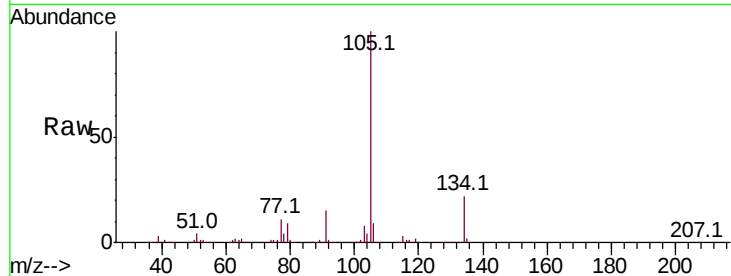
#85
 sec-Butylbenzene
 Concen: 52.628 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.5	31.6

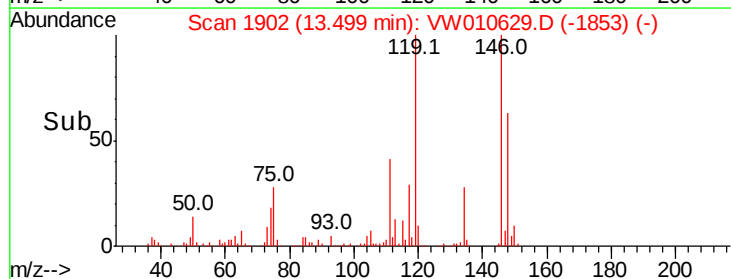
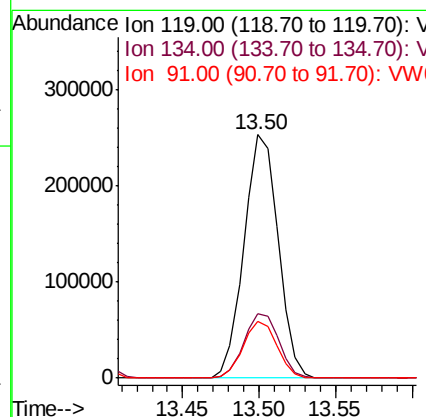
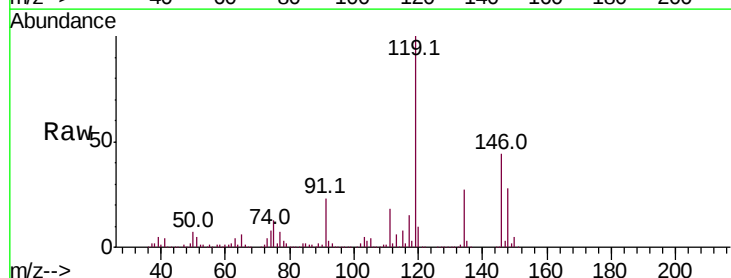
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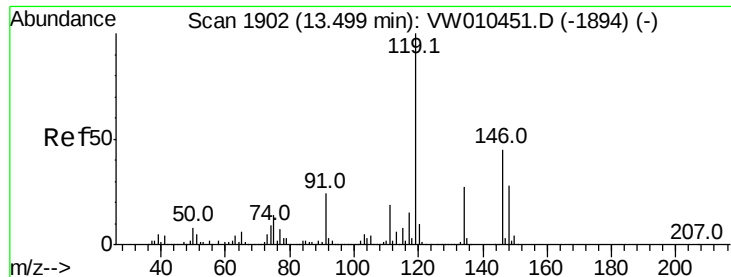
MMDadoda
 6/4/2019 8:44:27 AM



#86
 p-Isopropyltoluene
 Concen: 53.056 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	23.2	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 53.009 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

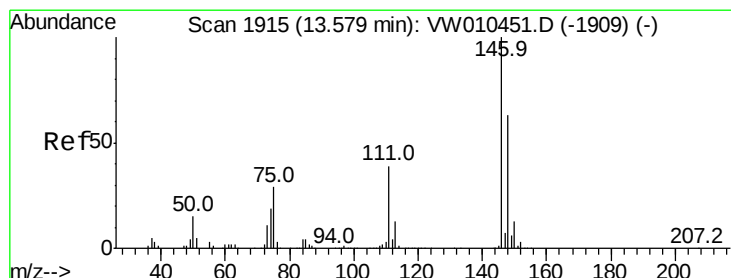
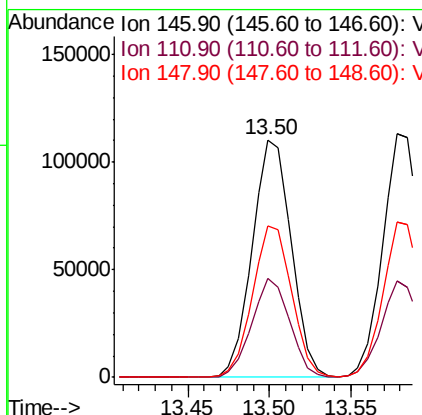
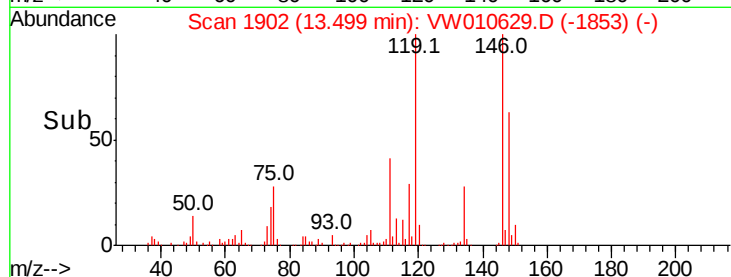
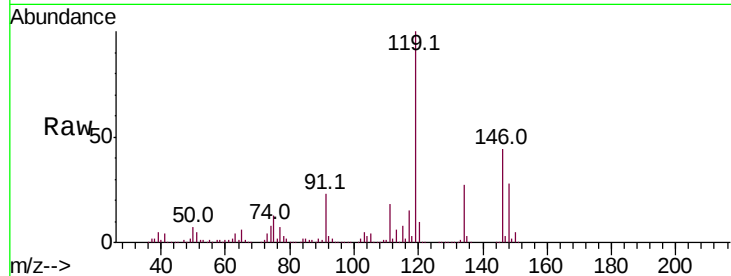
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183970		
111	40.6	20.3	60.9	
148	63.7	31.6	94.8	

Manual Integrations
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MMDadoda
6/4/2019 8:44:27 AM



#88

1,4-Dichlorobenzene

Concen: 53.220 ug/l

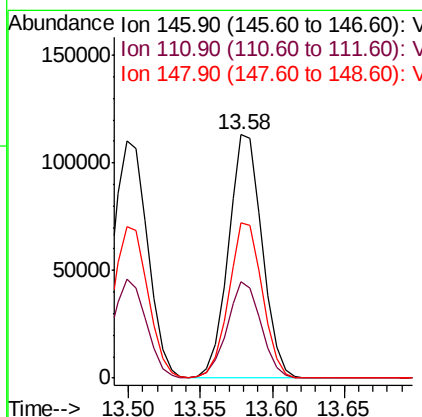
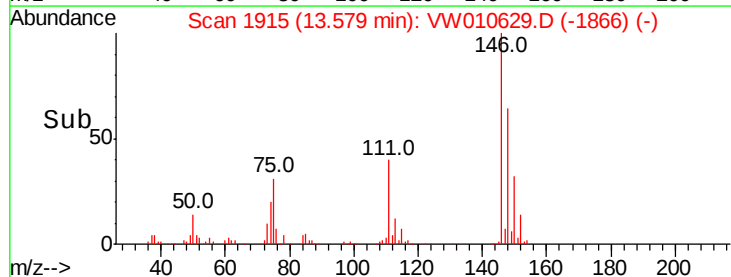
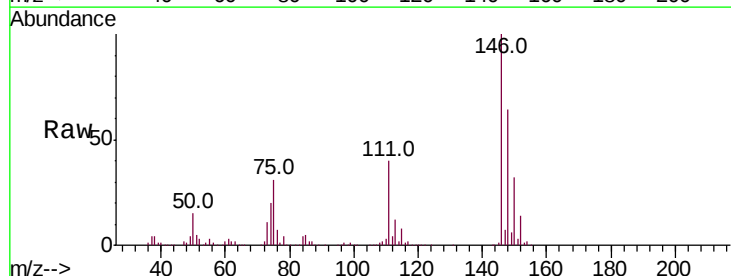
RT: 13.58 min Scan# 1915

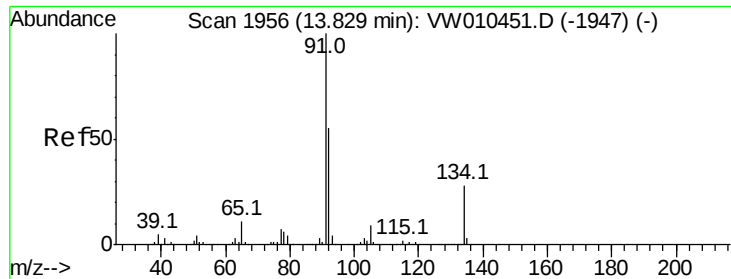
Delta R.T. -0.00 min

Lab File: VW010629.D

Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185317		
111	39.7	19.9	59.6	
148	63.4	31.6	94.8	





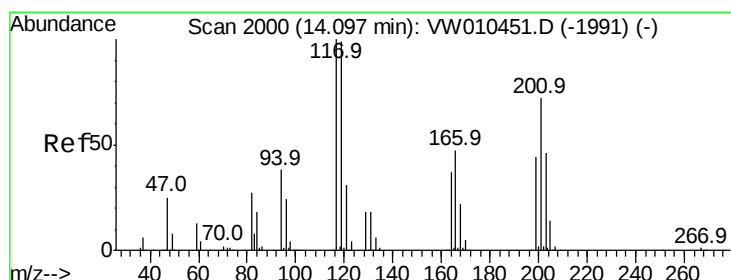
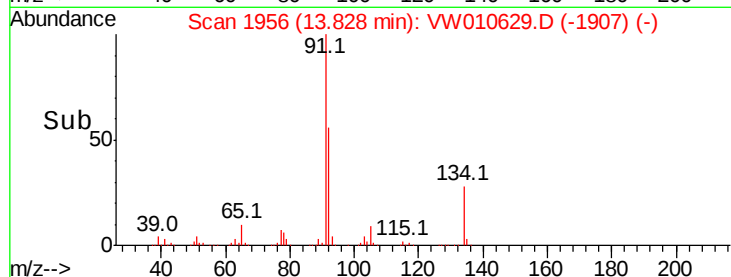
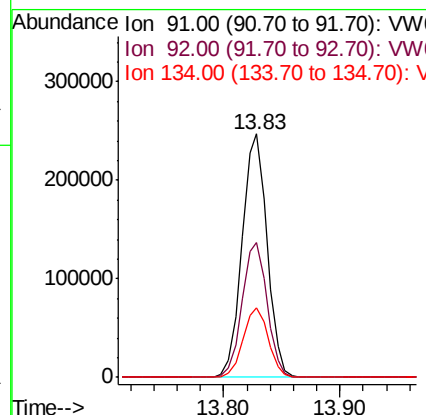
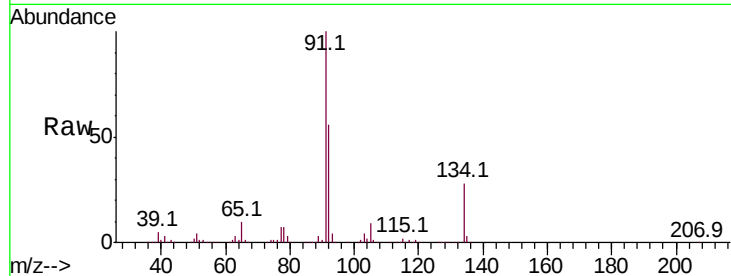
#89
n-Butylbenzene
Concen: 52.487 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.6	27.7	83.1	
134	28.6	13.9	41.6	

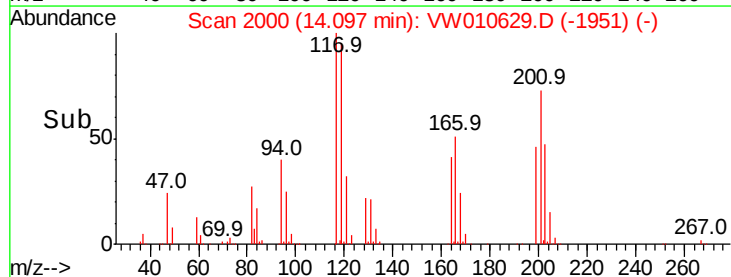
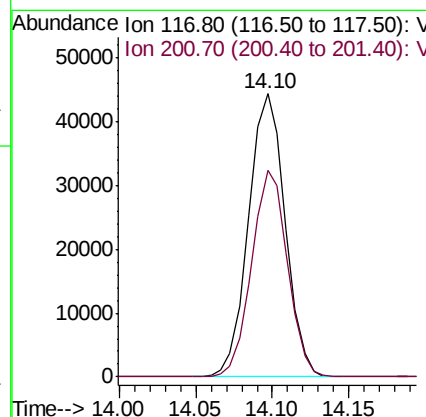
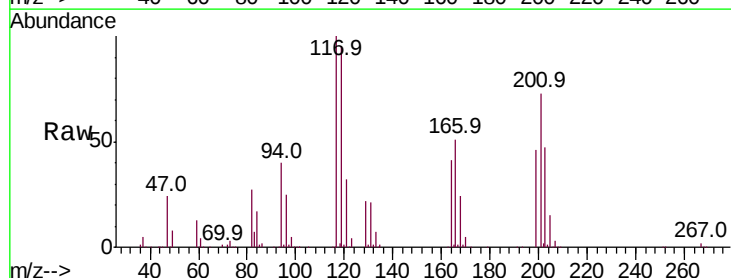
Manual Integrations
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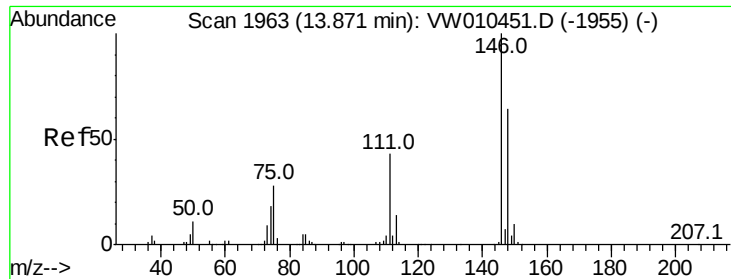
MMDadoda
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#90
Hexachloroethane
Concen: 51.498 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.5	34.6	103.8	





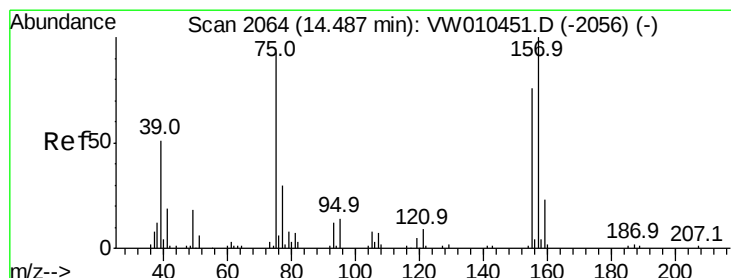
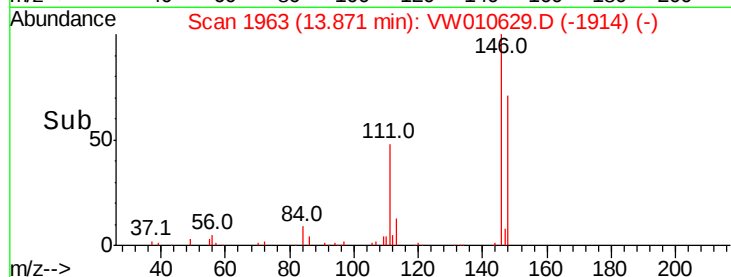
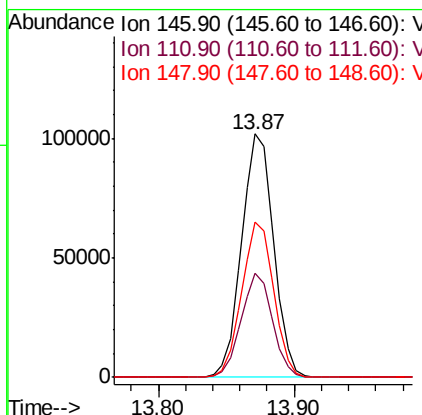
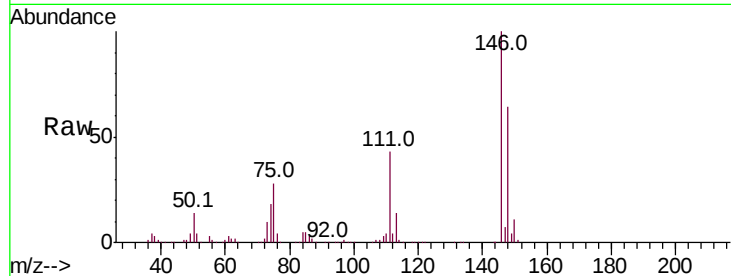
#91
1,2-Dichlorobenzene
Concen: 53.051 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	64.0
148	63.6	32.0	96.0

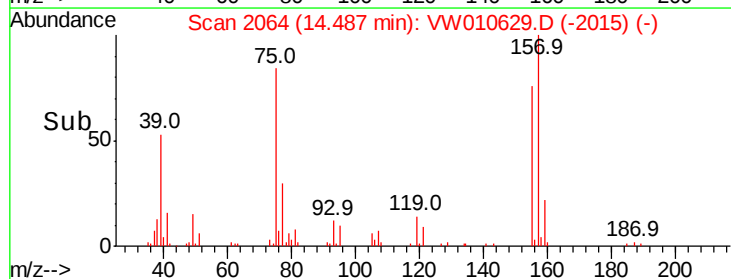
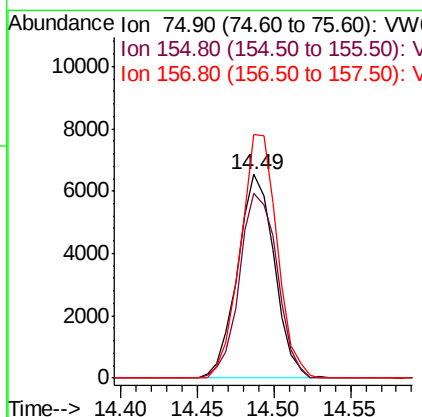
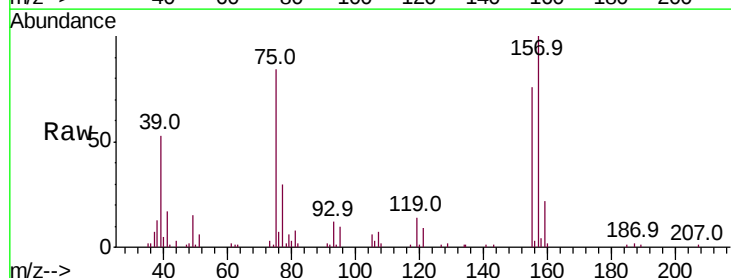
Manual Integrations
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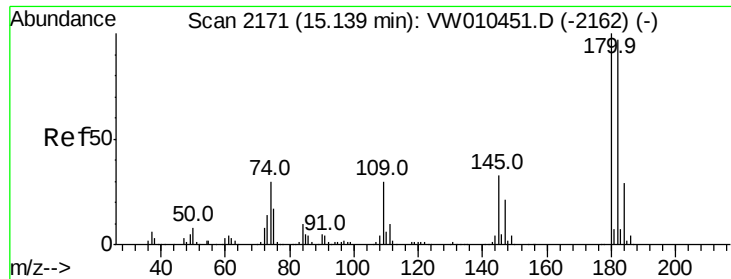
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#92
1,2-Dibromo-3-Chloropropane
Concen: 40.827 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	43.0	129.0
157	119.5	55.7	167.1





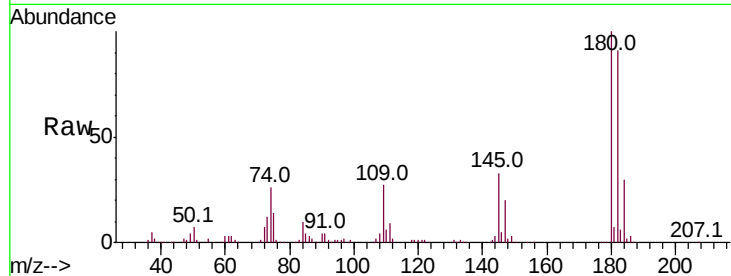
#93
 1,2,4-Trichlorobenzene
 Concen: 55.036 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.3	47.0	141.2	
145	32.9	16.7	50.0	

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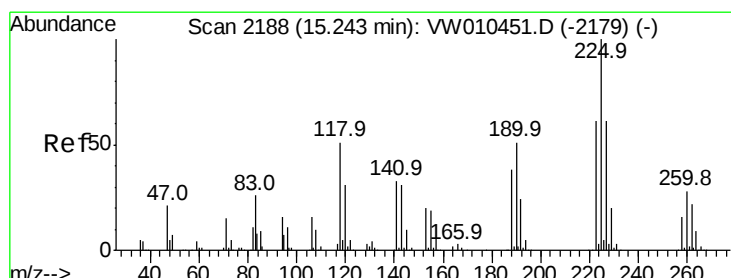
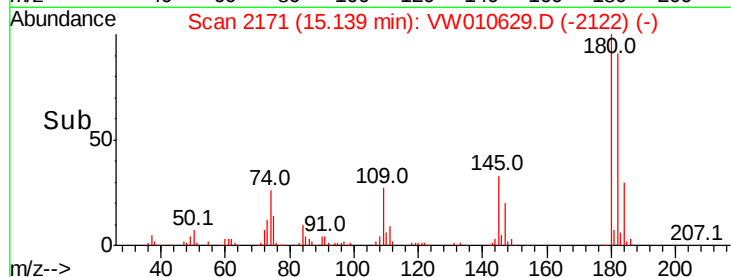
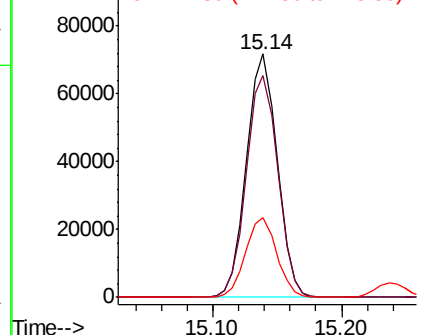


Abundance

Ion 179.80 (179.50 to 180.50): V

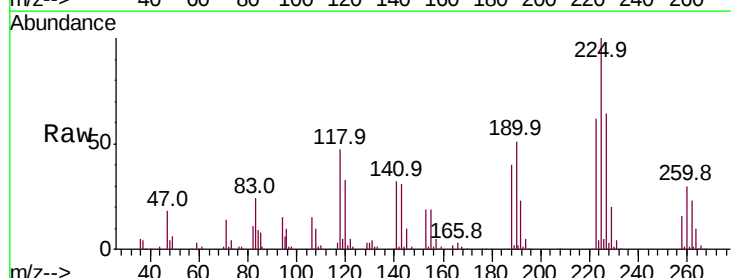
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 59.356 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010629.D
 Acq: 31 May 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.1	93.2	
227	63.6	31.1	93.5	

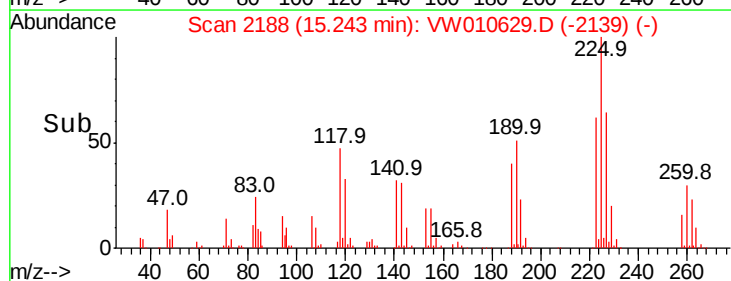
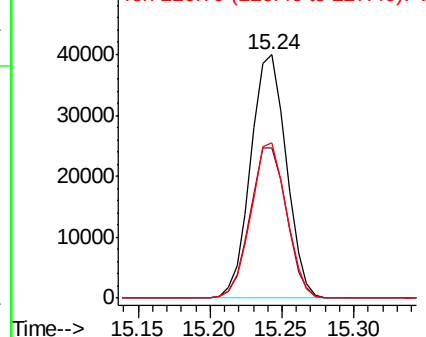


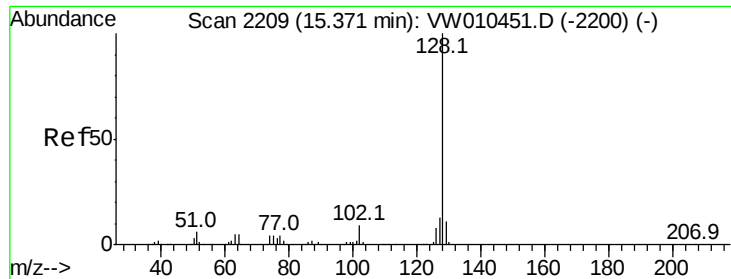
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





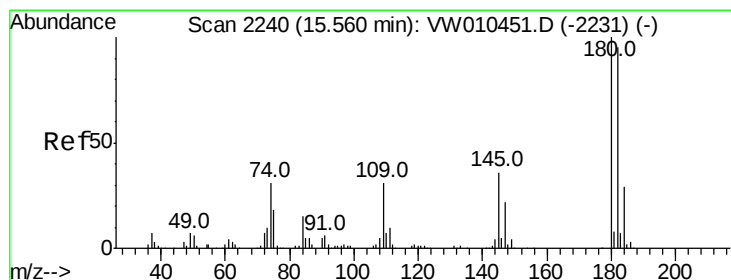
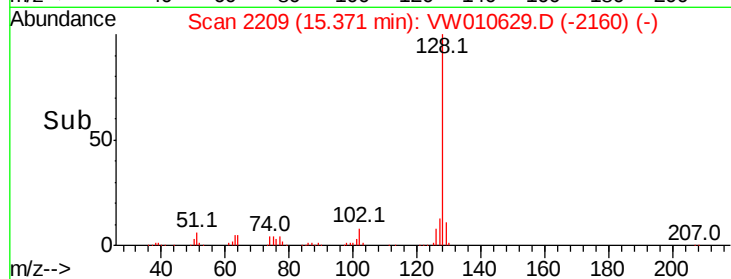
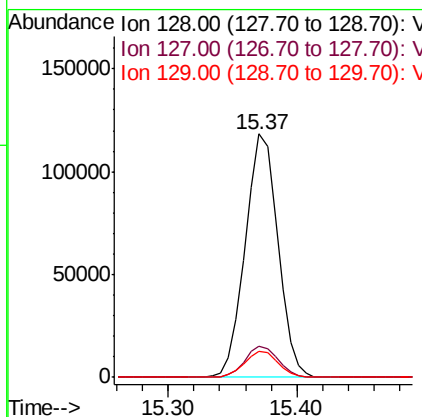
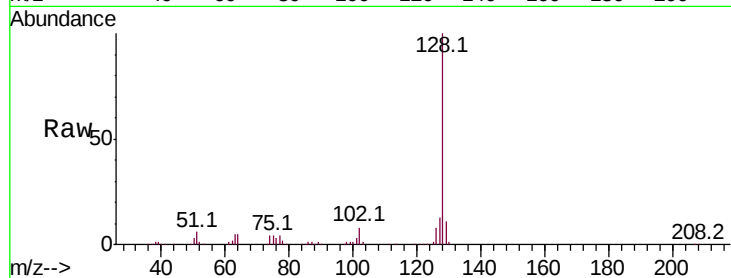
#95
Naphthalene
Concen: 45.858 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	207111
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.8	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 53.264 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010629.D
Acq: 31 May 2019 11:29

Tgt Ion:	180	Resp:	98610
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	34.7	17.4	52.3

