

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010503.D
 Acq On : 22 May 2019 11:57
 Operator : SY/VA
 Sample : VW0522SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:42:20 AM

Quant Time: May 23 07:12:01 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	149172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	72350	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.88	113	77043	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.32	98	296723	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.62	95	113474	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	21805	16.219	ug/l 97
3) Chloromethane	2.21	50	26074	16.636	ug/l 98
4) Vinyl Chloride	2.35	62	28966	15.955	ug/l 95
5) Bromomethane	2.76	94	20765	16.626	ug/l 98
6) Chloroethane	2.91	64	19817	17.004	ug/l 98
7) Trichlorofluoromethane	3.25	101	51657	19.273	ug/l 100
8) Diethyl Ether	3.68	74	15375	18.096	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31782	19.255	ug/l 100
10) Methyl Iodide	4.27	142	32134	17.032	ug/l 98
11) Tert butyl alcohol	5.17	59	9937	71.750	ug/l 98
12) 1,1-Dichloroethene	4.03	96	30368	19.273	ug/l 98
13) Acrolein	3.89	56	8765	94.757	ug/l 96
14) Allyl chloride	4.67	41	42916	18.817	ug/l 99
15) Acrylonitrile	5.37	53	29664	83.367	ug/l 99
16) Acetone	4.13	43	24546	78.100	ug/l 91
17) Carbon Disulfide	4.38	76	83475	17.762	ug/l 99
18) Methyl Acetate	4.67	43	13404	17.438	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	74176	18.466	ug/l 94
20) Methylene Chloride	4.92	84	31369	13.287	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	34846	19.281	ug/l 96
22) Diisopropyl ether	6.31	45	87469	18.704	ug/l 99
23) Vinyl Acetate	6.26	43	249751	89.403	ug/l 99
24) 1,1-Dichloroethane	6.21	63	53753	19.261	ug/l 97
25) 2-Butanone	7.17	43	37489	83.350	ug/l 99
26) 2,2-Dichloropropane	7.16	77	53017	19.943	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	38857	19.776	ug/l 98
28) Bromochloromethane	7.51	49	21229	21.246	ug/l 98
29) Tetrahydrofuran	7.52	42	24713	81.198	ug/l 99
30) Chloroform	7.68	83	59447	19.748	ug/l 100
31) Cyclohexane	7.96	56	54067	18.495	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	56527	19.647	ug/l 99
36) 1,1-Dichloropropene	8.09	75	47178	19.452	ug/l 100
37) Ethyl Acetate	7.26	43	17125	16.604	ug/l 98
38) Carbon Tetrachloride	8.07	117	50912	19.459	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63537	19.554	ug/l	96
40) Benzene	8.32	78	132089	19.595	ug/l	100
41) Methacrylonitrile	7.49	41	10883	17.759	ug/l	96
42) 1,2-Dichloroethane	8.40	62	36877	19.140	ug/l	100
43) Isopropyl Acetate	8.43	43	34263	16.629	ug/l	98
44) Trichloroethene	9.09	130	39742	19.858	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30654	19.147	ug/l	100
46) Dibromomethane	9.46	93	17683	18.886	ug/l	99
47) Bromodichloromethane	9.65	83	45297	19.252	ug/l	98
48) Methyl methacrylate	9.44	41	15495	16.438	ug/l	97
49) 1,4-Dioxane	9.45	88	4356	284.800	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	84423	80.859	ug/l	100
52) Toluene	10.39	92	90187	19.921	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	43433	18.227	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	51966	19.095	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25521	18.955	ug/l	97
56) Ethyl methacrylate	10.65	69	32135	17.306	ug/l	98
57) 1,3-Dichloropropane	10.93	76	41509	18.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	75290	91.540	ug/l	97
59) 2-Hexanone	10.97	43	59989	80.545	ug/l	98
60) Dibromochloromethane	11.13	129	31647	18.572	ug/l	100
61) 1,2-Dibromoethane	11.24	107	25337	18.577	ug/l	99
64) Tetrachloroethene	10.87	164	31773	20.041	ug/l	95
65) Chlorobenzene	11.66	112	96497	19.908	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	34636	19.947	ug/l	100
67) Ethyl Benzene	11.73	91	170586	19.933	ug/l	99
68) m/p-Xylenes	11.84	106	133093	39.650	ug/l	99
69) o-Xylene	12.17	106	63647	20.013	ug/l	99
70) Styrene	12.18	104	105974	19.639	ug/l	99
71) Bromoform	12.35	173	16613	17.374	ug/l #	99
73) Isopropylbenzene	12.47	105	173026	20.276	ug/l	99
74) N-amyl acetate	12.27	43	31325	16.019	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	27466	17.695	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19933m	18.260	ug/l	
77) Bromobenzene	12.75	156	38046	19.923	ug/l	99
78) n-propylbenzene	12.80	91	198809	19.991	ug/l	100
79) 2-Chlorotoluene	12.90	91	116269	20.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	146639	20.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	8446	16.148	ug/l	95
82) 4-Chlorotoluene	12.99	91	120235	20.085	ug/l	100
83) tert-Butylbenzene	13.21	119	129537	20.518	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	143296	19.907	ug/l	100
85) sec-Butylbenzene	13.38	105	175081	19.817	ug/l	100
86) p-Isopropyltoluene	13.50	119	160285	20.044	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	74340	19.842	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74534	19.828	ug/l	97
89) n-Butylbenzene	13.83	91	148259	19.491	ug/l	99
90) Hexachloroethane	14.10	117	30410	19.647	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	66675	19.531	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4845	16.787	ug/l	90

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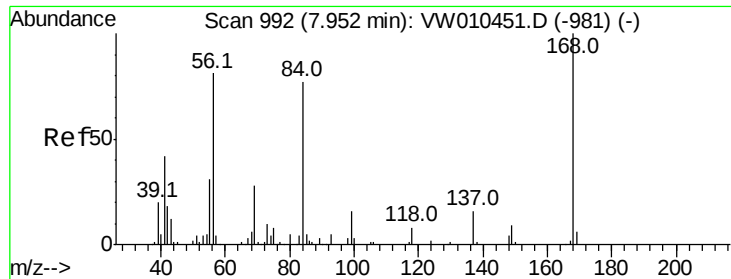
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	43096	18.554	ug/l	100
94) Hexachlorobutadiene	15.24	225	23188	18.687	ug/l	98
95) Naphthalene	15.37	128	81461	16.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	36324	18.175	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

Tot Ion:168 Resp: 149172

Ion Ratio Lower Upper

168 100

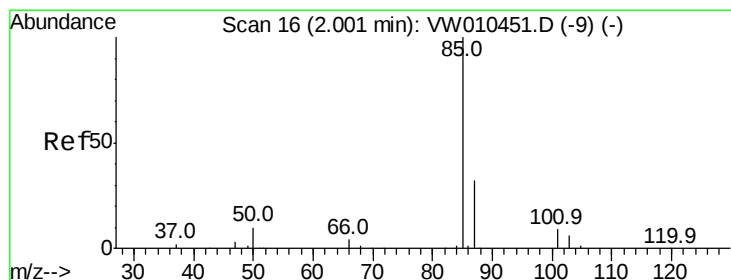
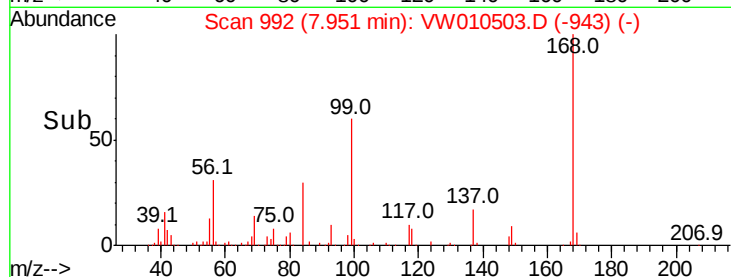
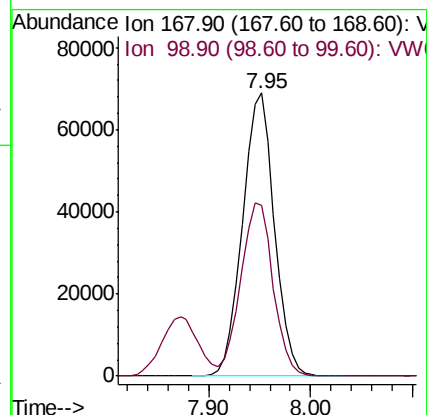
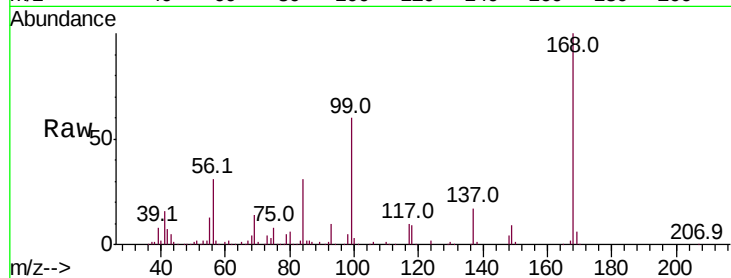
99 60.2 46.1 69.1

Manual Integrations

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5/23/2019 11:42:20 AM



#2

Dichlorodifluoromethane

Concen: 16.219 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010503.D

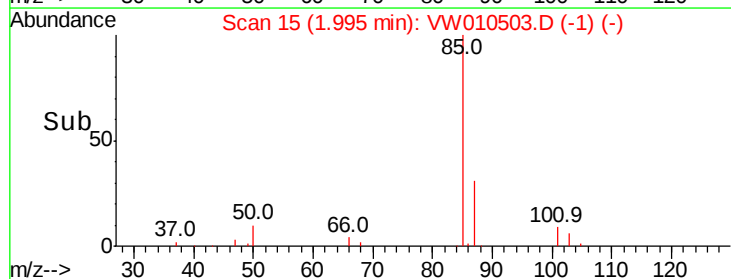
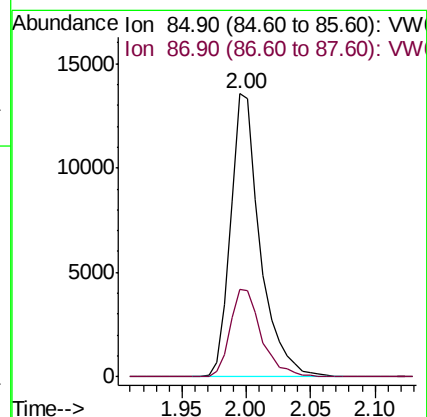
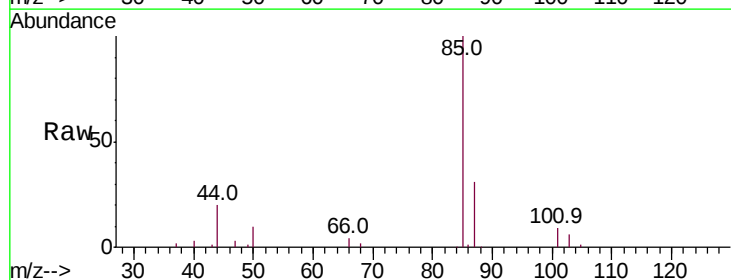
Acq: 22 May 2019 11:57

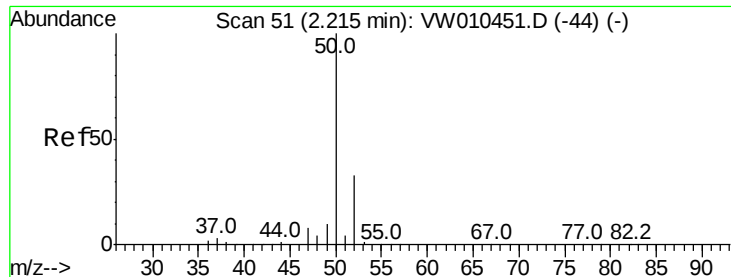
Tgt Ion: 85 Resp: 21805

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.8





#3

Chloromethane

Concen: 16.636 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 50 Resp: 26074

Ion Ratio Lower Upper

50 100

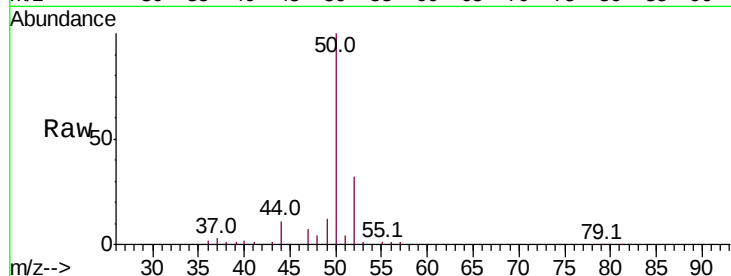
52 31.7 26.3 39.5

Manual Integrations

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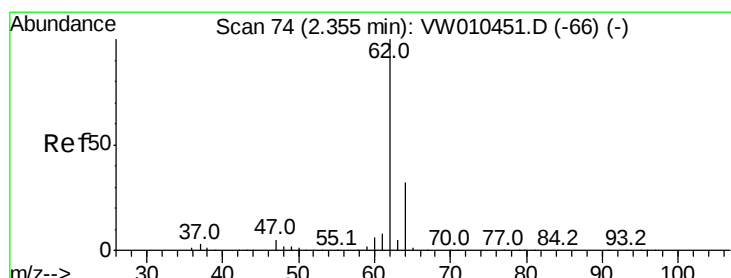
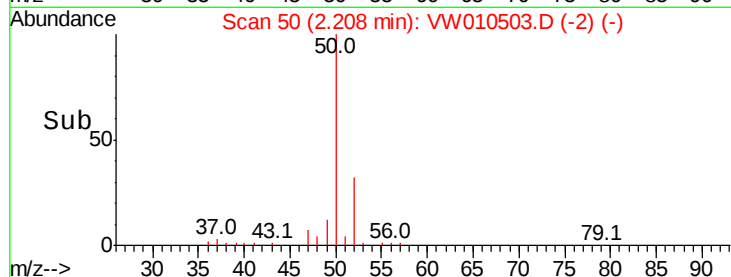
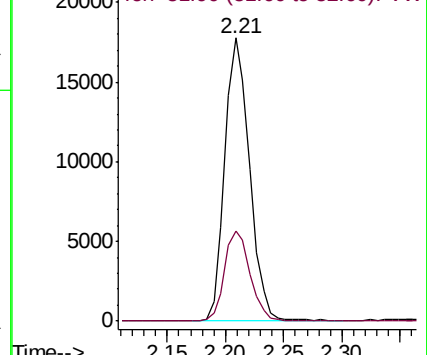
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 15.955 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010503.D

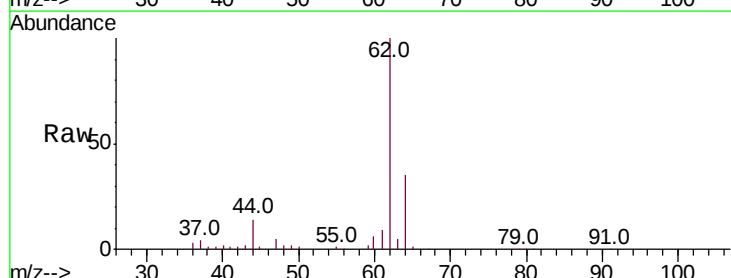
Acq: 22 May 2019 11:57

Tgt Ion: 62 Resp: 28966

Ion Ratio Lower Upper

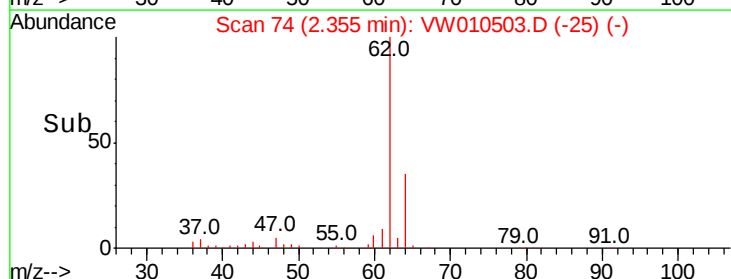
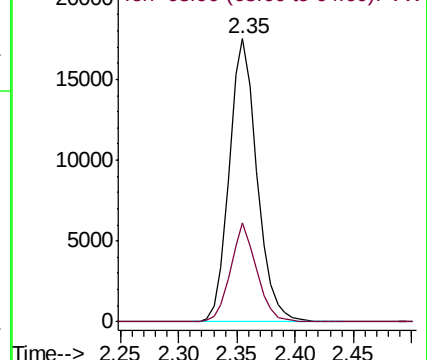
62 100

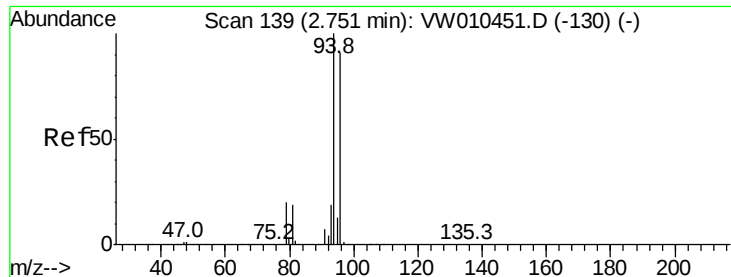
64 35.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 16.626 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

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VW0522SBSD01

Tot Ion: 94 Resp: 20765

Ion Ratio Lower Upper

94 100

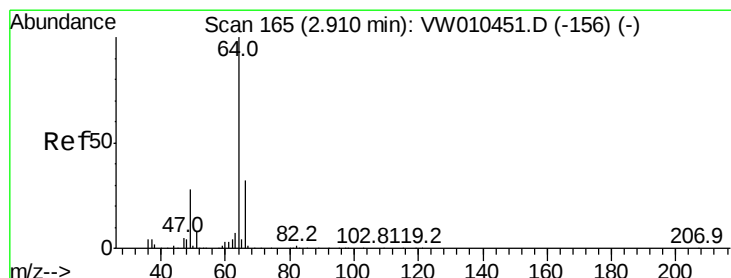
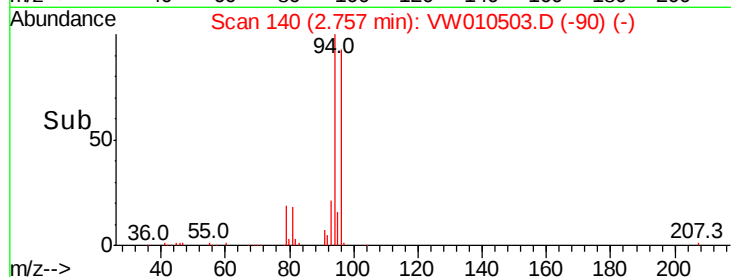
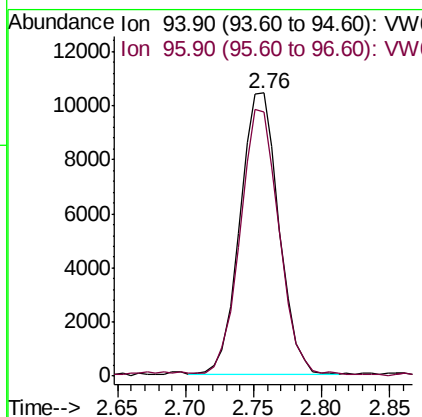
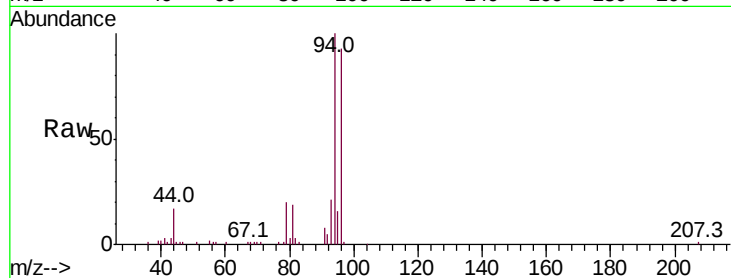
96 93.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.004 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010503.D

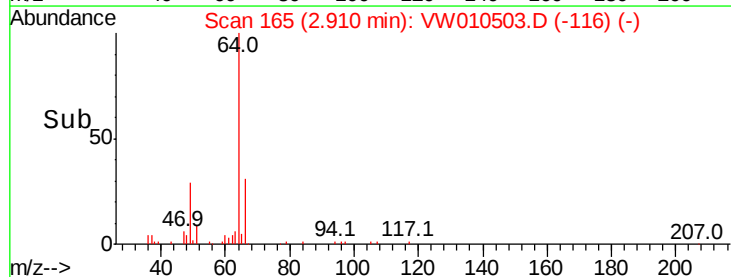
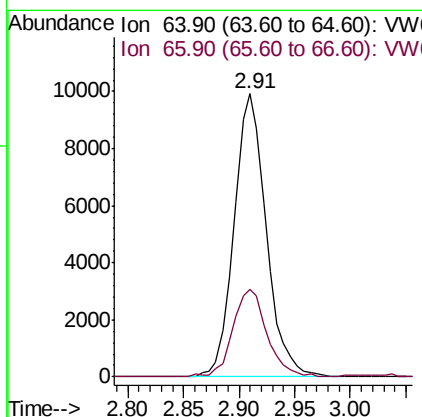
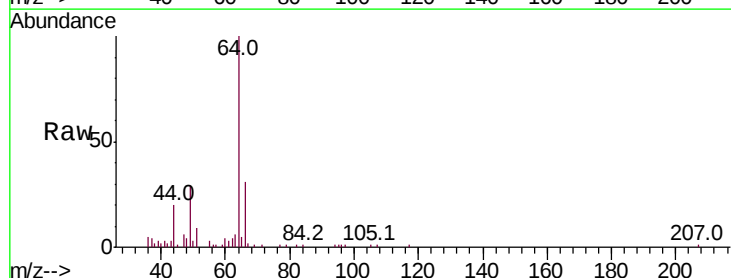
Acq: 22 May 2019 11:57

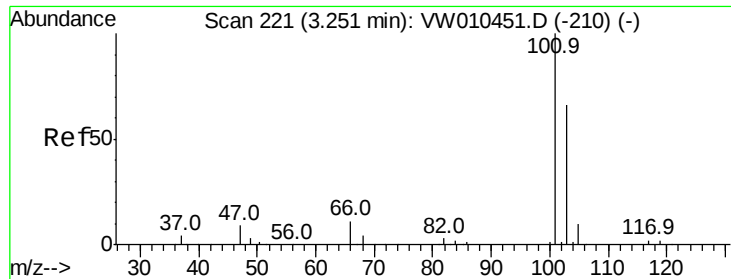
Tgt Ion: 64 Resp: 19817

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





#7

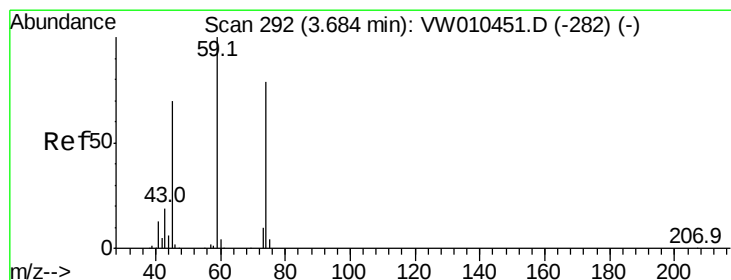
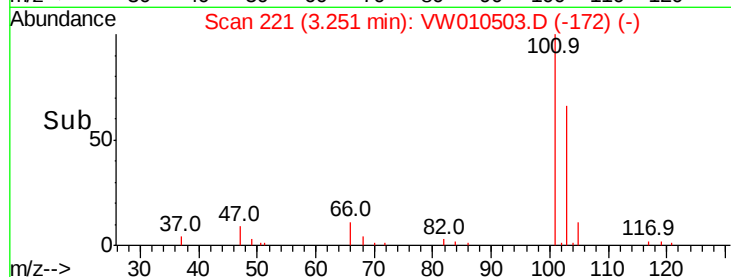
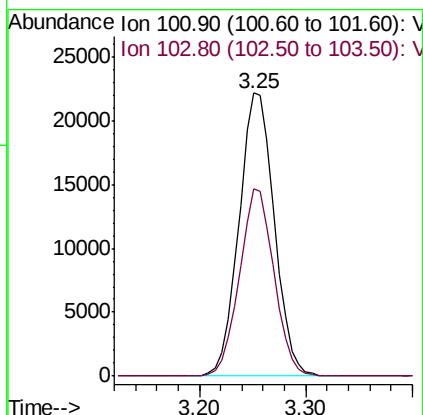
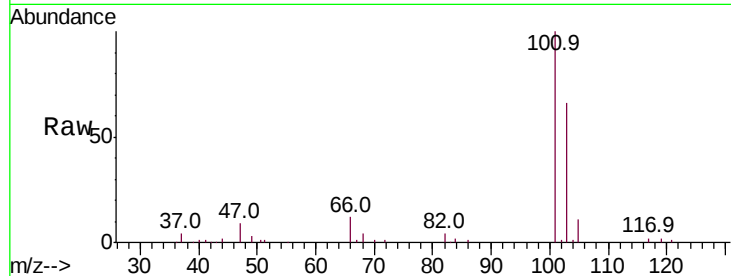
Trichlorofluoromethane
Concen: 19.273 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

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ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.0	79.4

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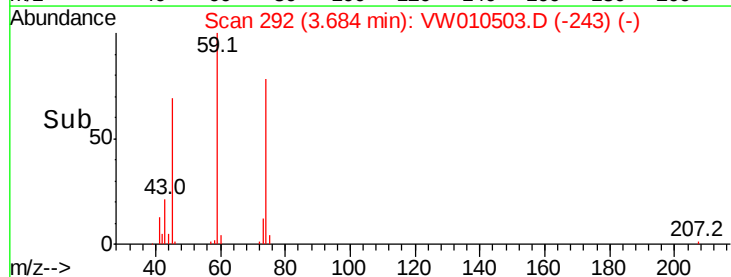
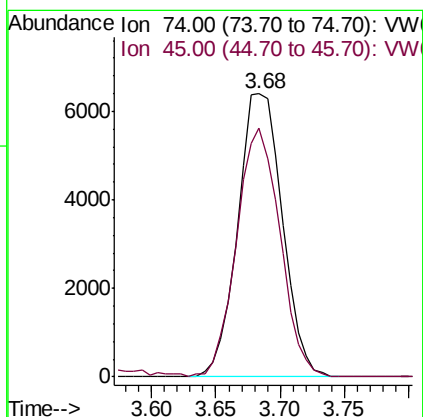
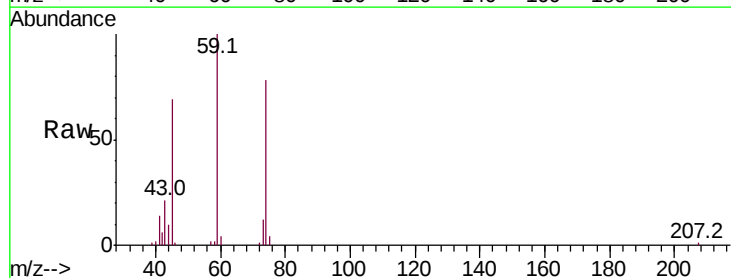
MMDadoda
5/23/2019 11:42:20 AM

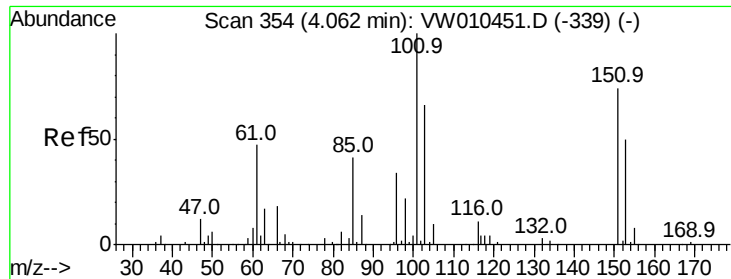


#8

Diethyl Ether
Concen: 18.096 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.2	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.255 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

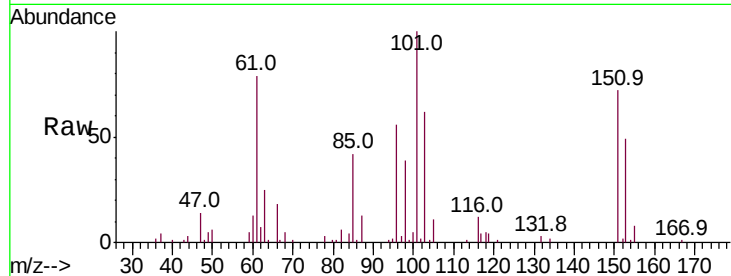
ClientSampleId :

VW0522SBS01

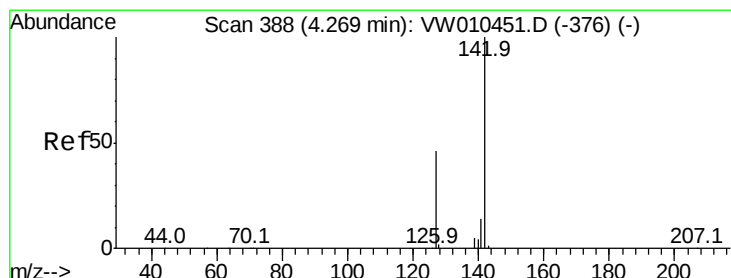
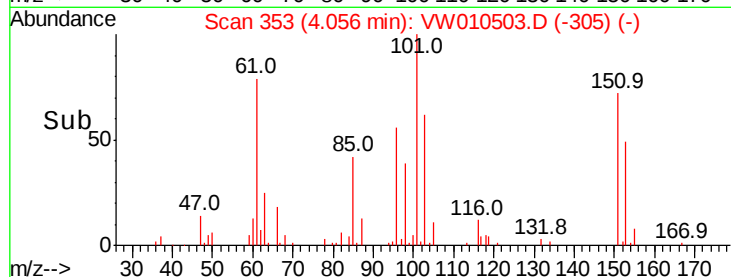
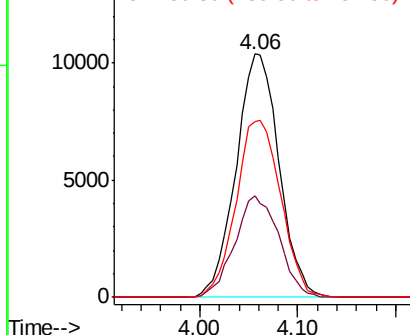
Tot Ion:	101	Resp:	31782
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.3	51.5
151	75.7	60.3	90.5

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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: 17.032 ug/l

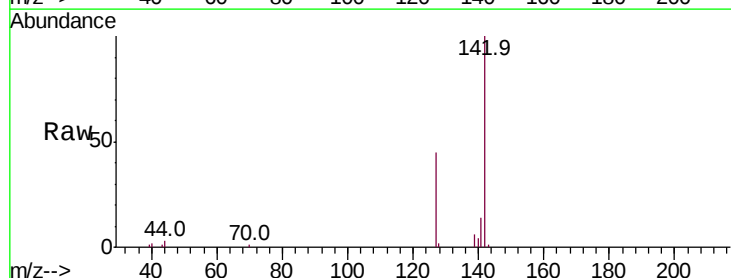
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

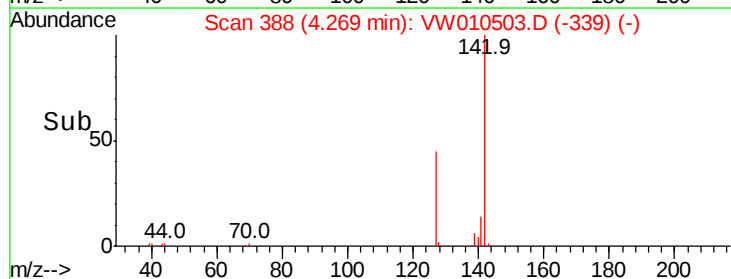
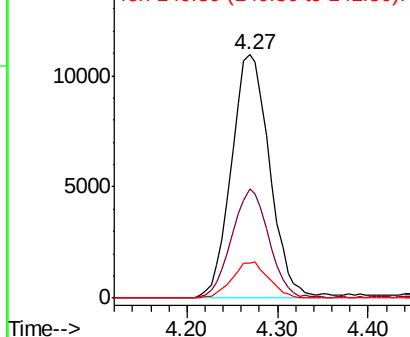
Lab File: VW010503.D

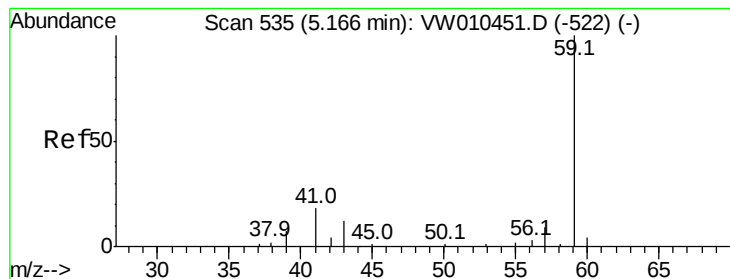
Acq: 22 May 2019 11:57

Tgt Ion:	142	Resp:	32134
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.1	54.1
141	14.3	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

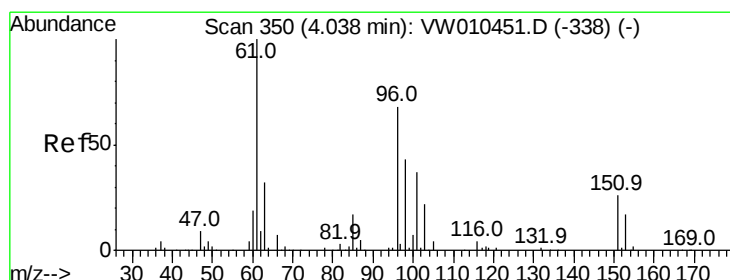
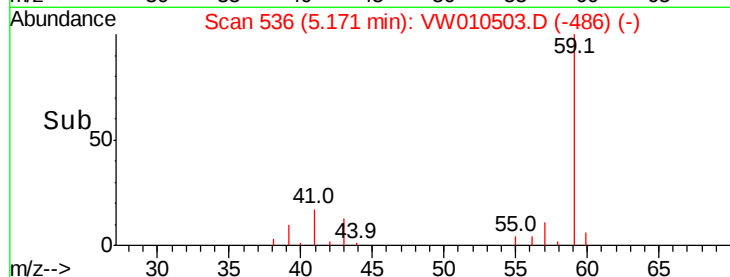
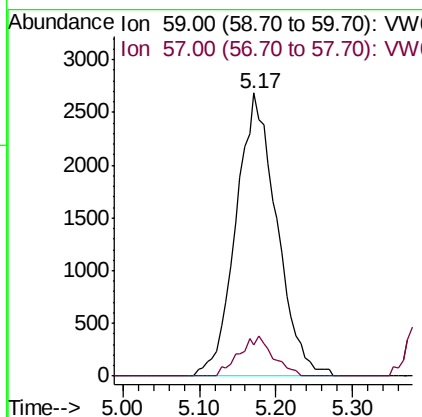
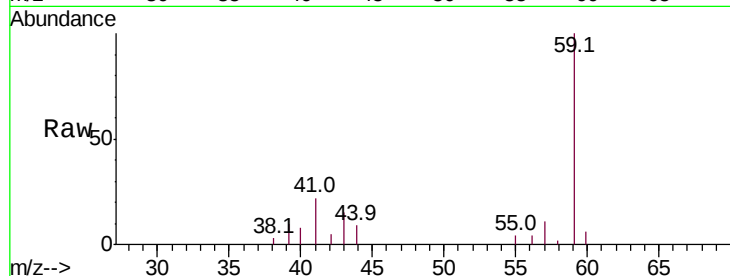
Tert butyl alcohol
 Concen: 71.750 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	59	57	Ratio	100	Resp:	9937
Ion	59	57	Ratio	100	Lower	Upper
					8.8	13.2

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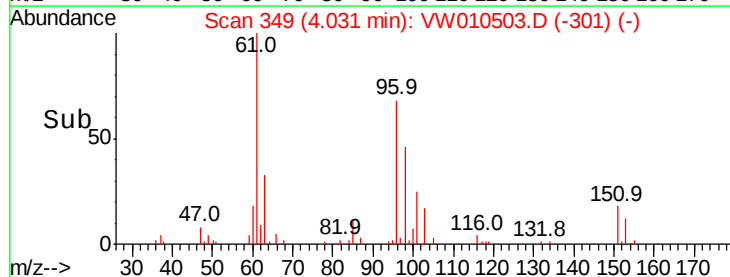
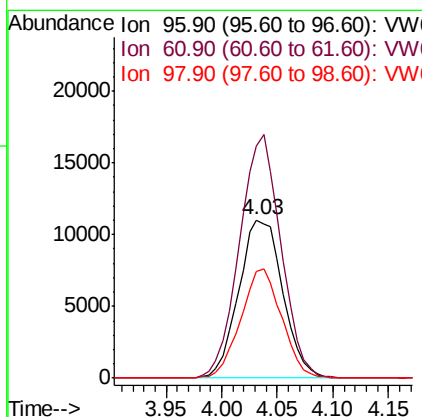
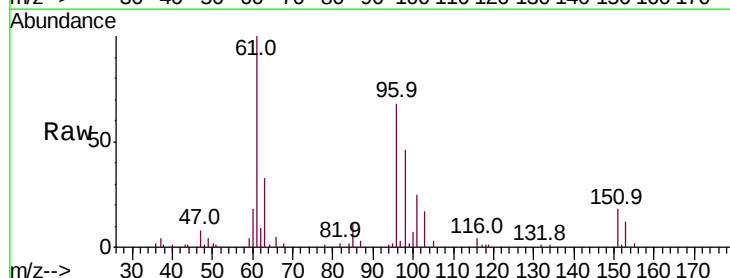
MMDadoda
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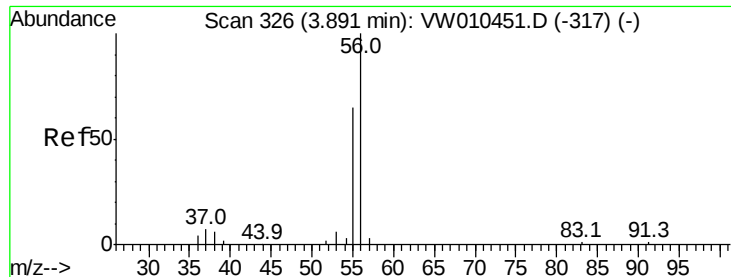


#12

1,1-Dichloroethene
 Concen: 19.273 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	96	61	98	Ratio	100	Resp:	30368
Ion	96	61	98	Ratio	100	Lower	Upper
						118.3	177.5
						51.0	76.6





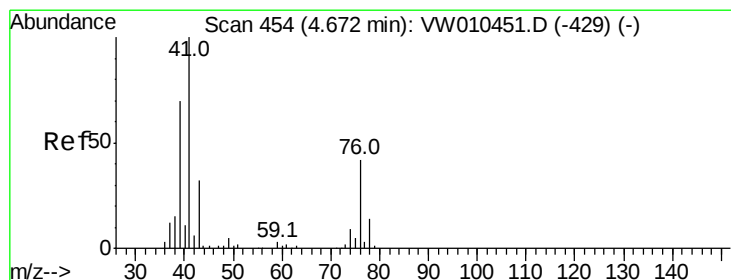
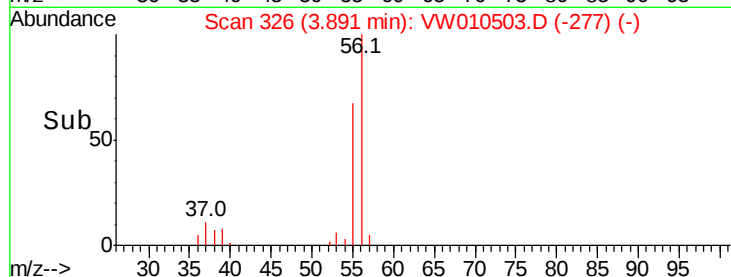
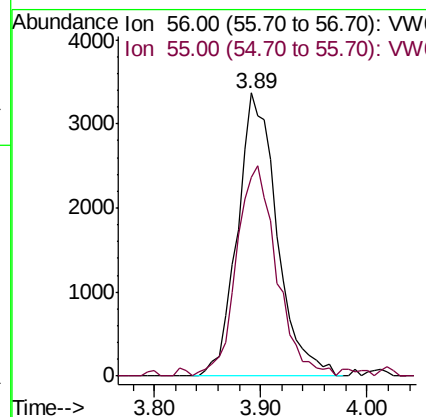
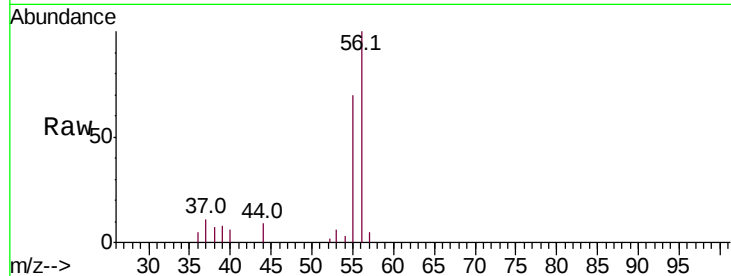
#13
Acrolein
Concen: 94.757 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.6	57.9	86.9

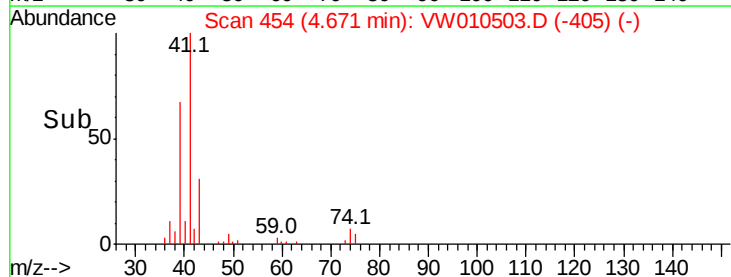
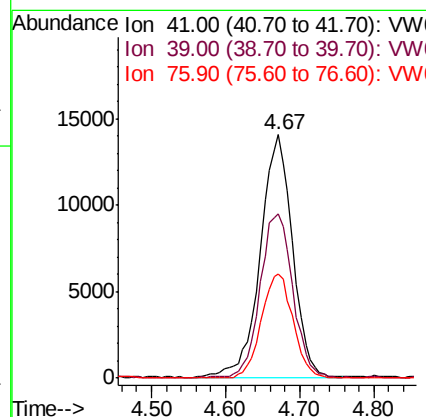
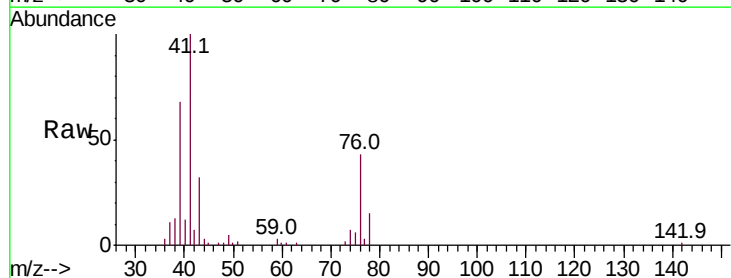
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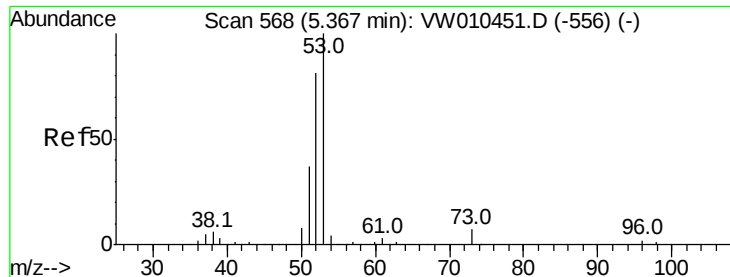
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#14
Allyl chloride
Concen: 18.817 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.5	55.0	82.4
76	41.7	32.8	49.2





#15

Acrylonitrile

Concen: 83.367 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

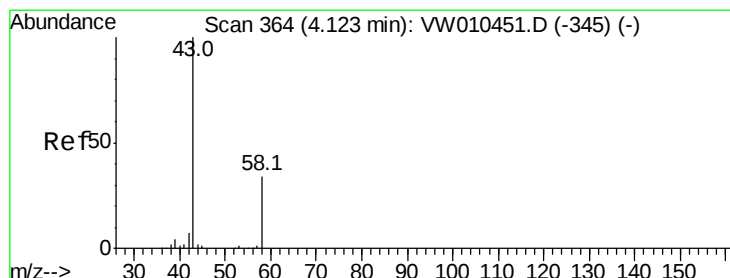
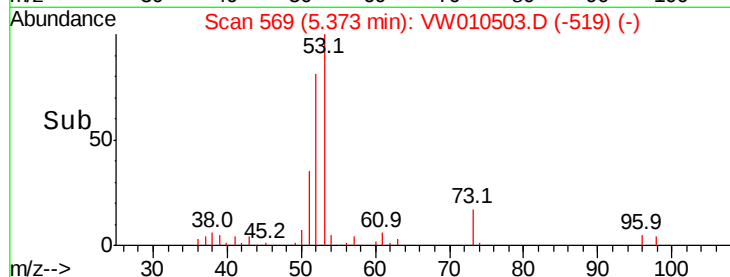
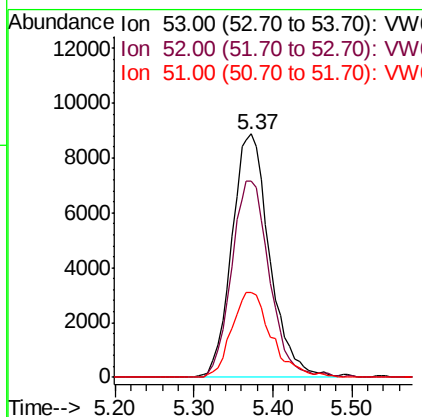
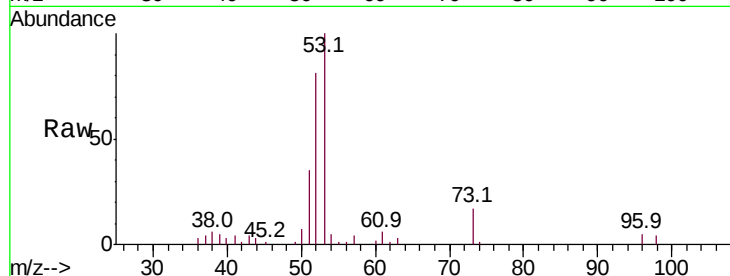
ClientSampleId :

VW0522SBSD01

Tot Ion:	53	Resp:	29664
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.6	98.4
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 78.100 ug/l

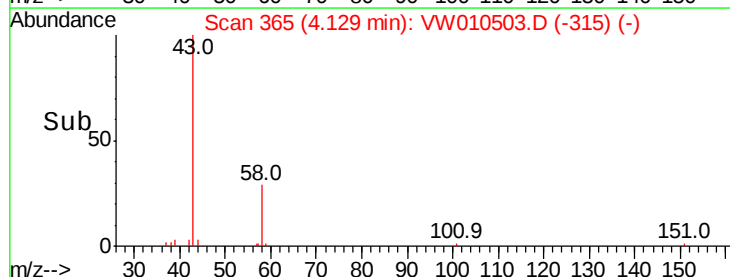
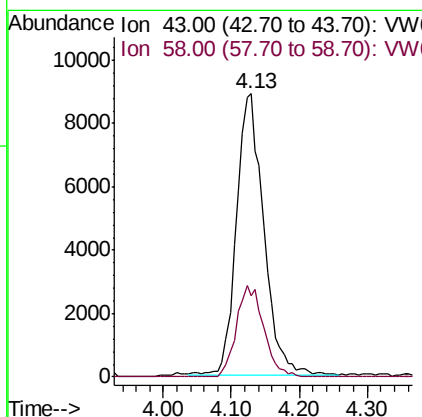
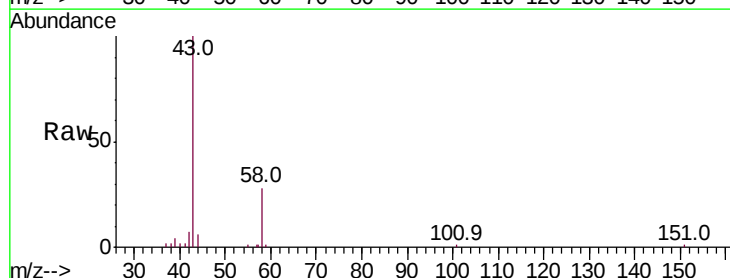
RT: 4.13 min Scan# 365

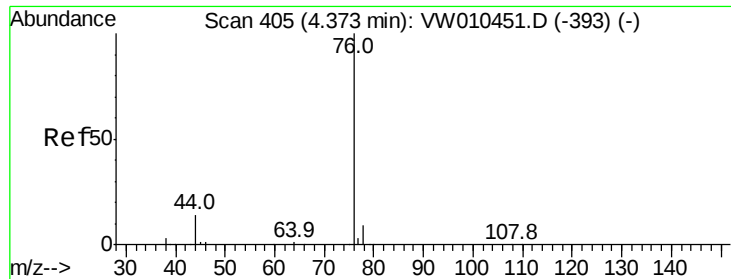
Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion:	43	Resp:	24546
Ion	Ratio	Lower	Upper
43	100		
58	28.7	27.0	40.4





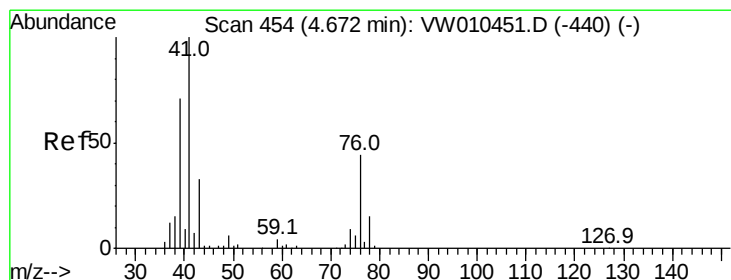
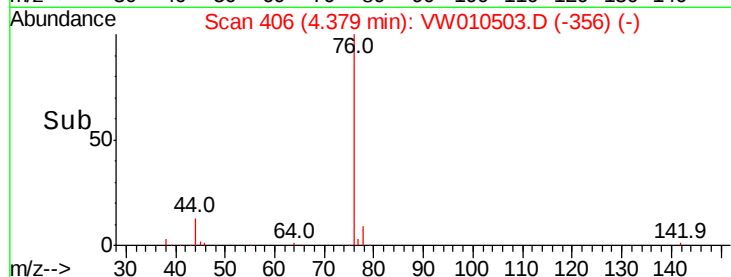
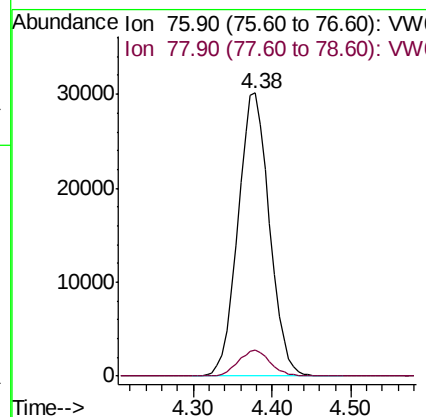
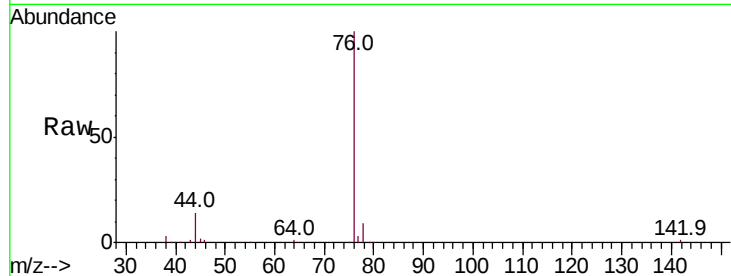
#17
Carbon Disulfide
Concen: 17.762 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

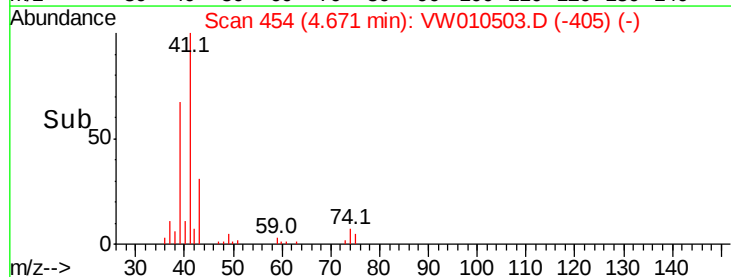
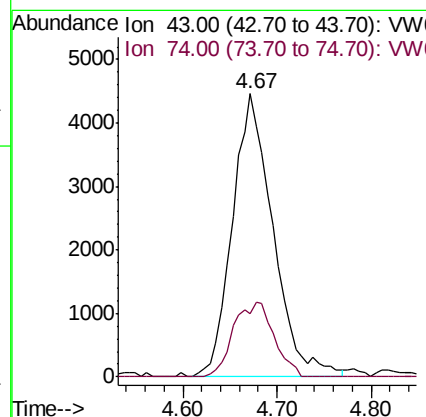
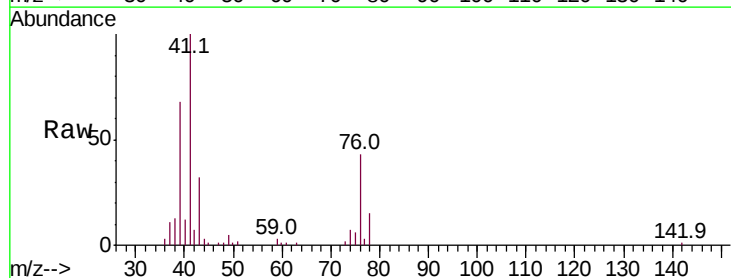
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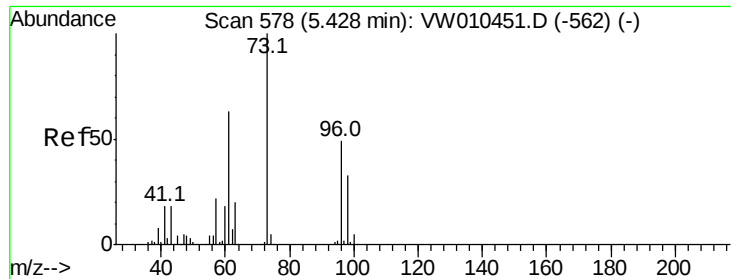
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#18
Methyl Acetate
Concen: 17.438 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.6	32.4





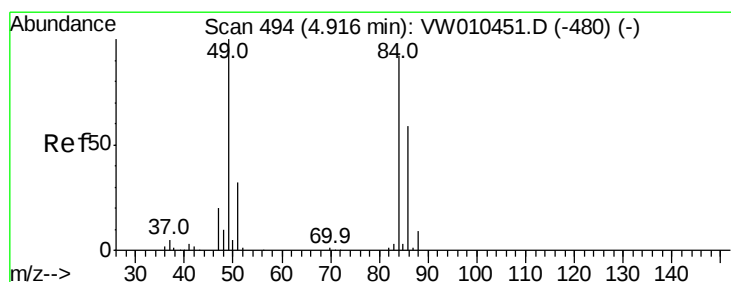
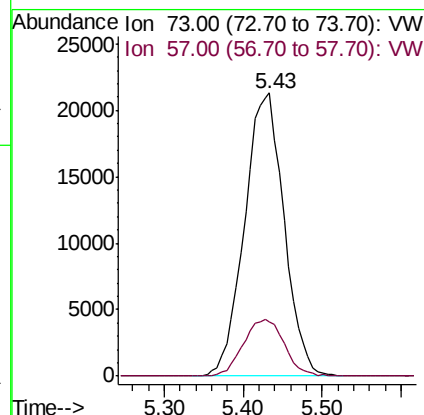
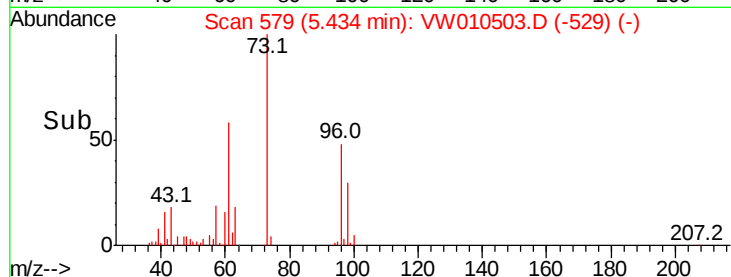
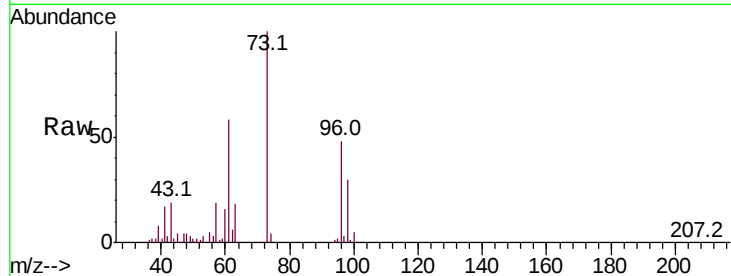
#19
Methvl tert-butvl Ether
Concen: 18.466 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion: 73 Resp: 74176
Ion Ratio Lower Upper
73 100
57 19.0 17.4 26.0

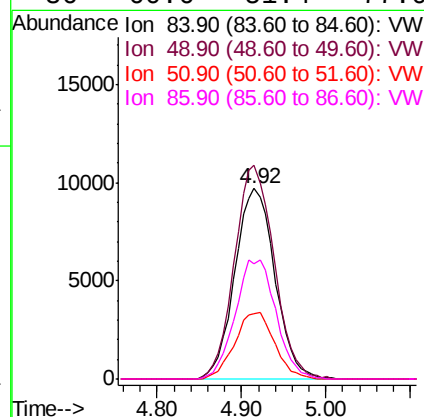
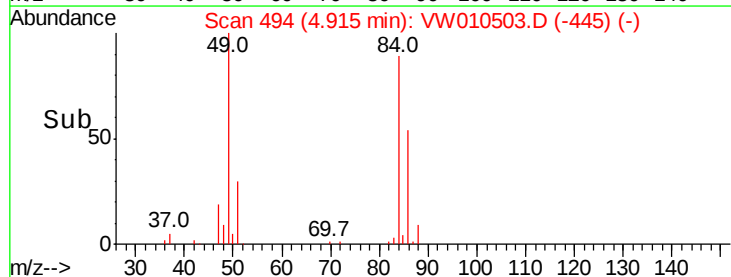
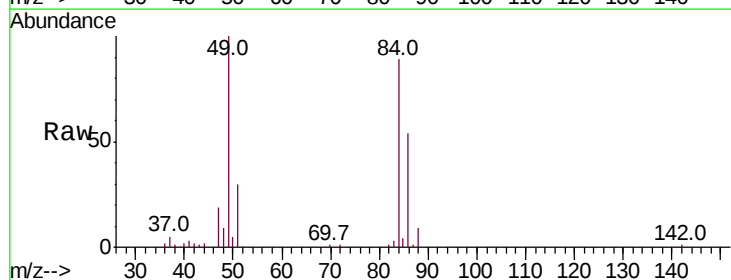
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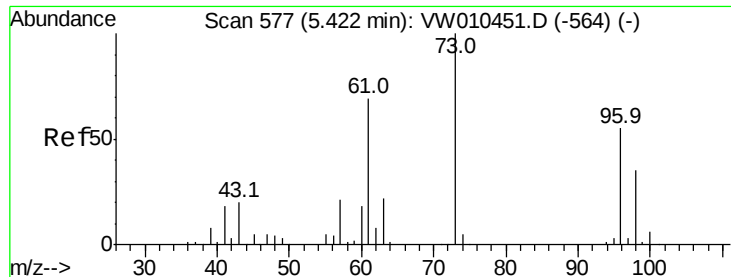
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#20
Methylene Chloride
Concen: 13.287 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 84 Resp: 31369
Ion Ratio Lower Upper
84 100
49 112.1 87.2 130.8
51 34.2 27.7 41.5
86 60.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.281 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 96 Resp: 34846

Ion Ratio Lower Upper

96 100

61 121.0 101.4 152.0

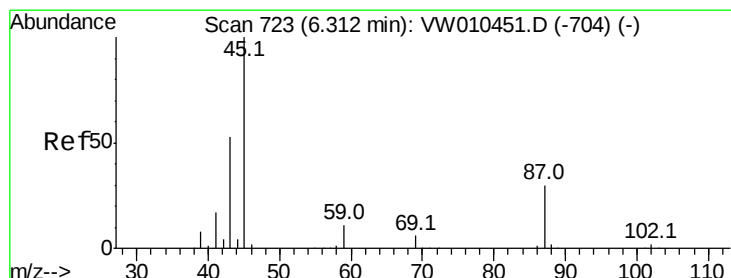
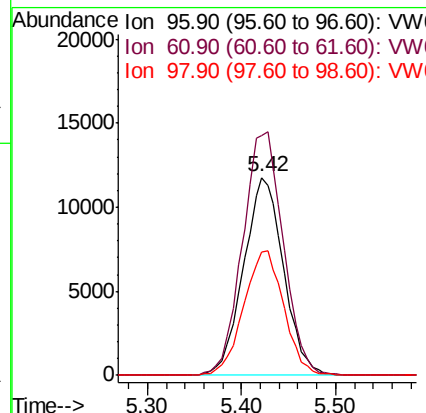
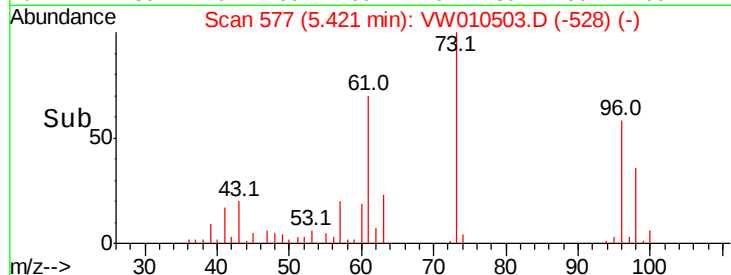
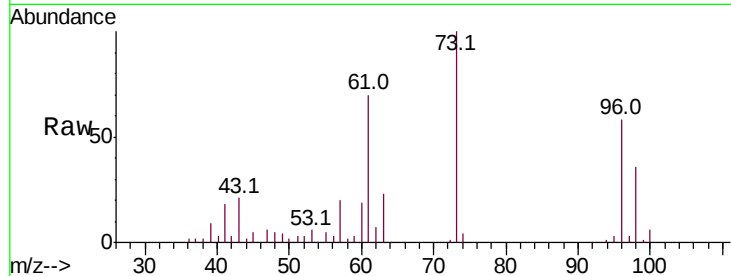
98 62.3 50.6 76.0

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#22

Diisopropyl ether

Concen: 18.704 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion: 45 Resp: 87469

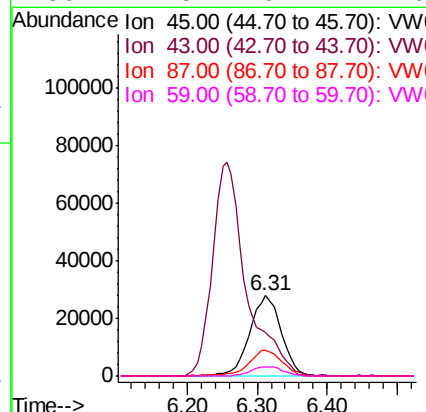
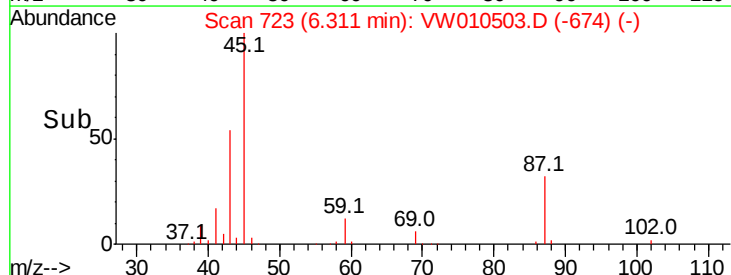
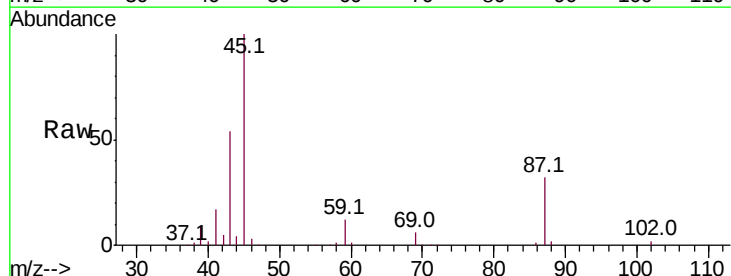
Ion Ratio Lower Upper

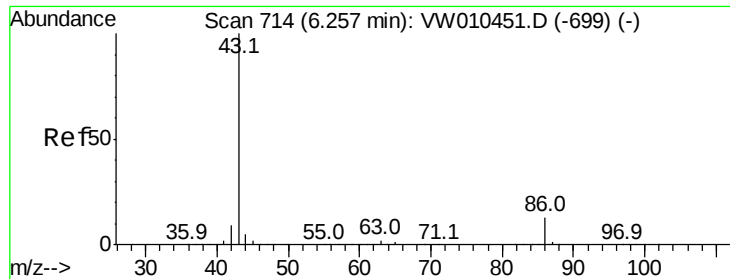
45 100

43 53.6 42.9 64.3

87 32.1 24.6 36.8

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 89.403 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 43 Resp: 249751

Ion Ratio Lower Upper

43 100

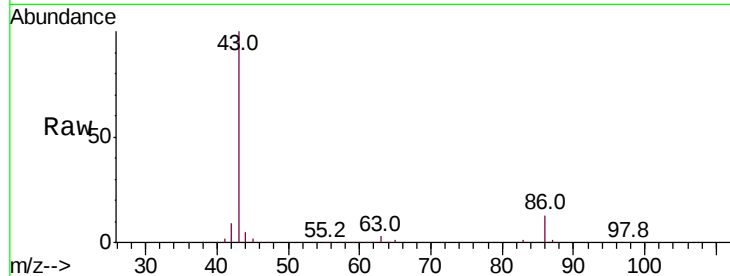
86 12.6 10.3 15.5

Manual Integrations

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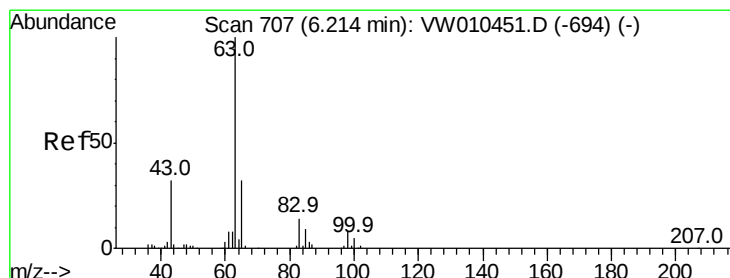
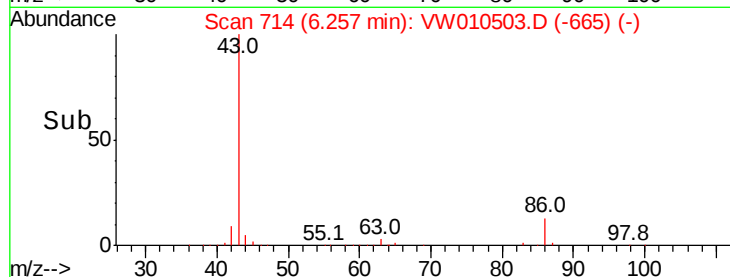
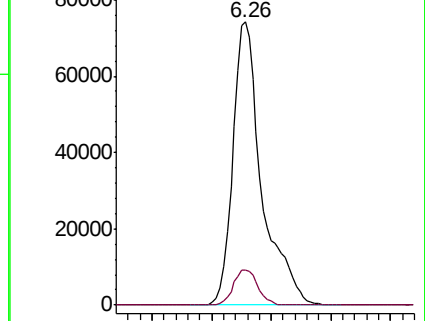
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.261 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

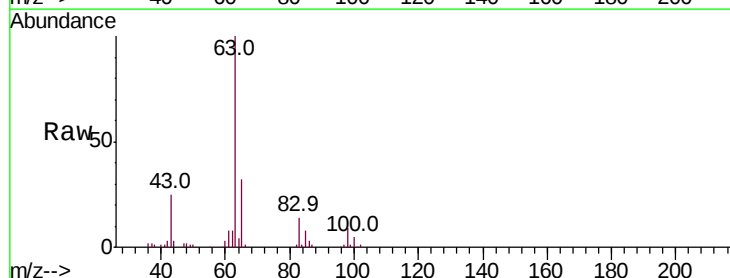
Tgt Ion: 63 Resp: 53753

Ion Ratio Lower Upper

63 100

98 8.9 3.8 11.2

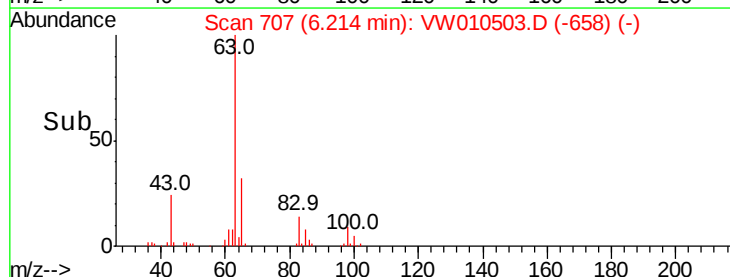
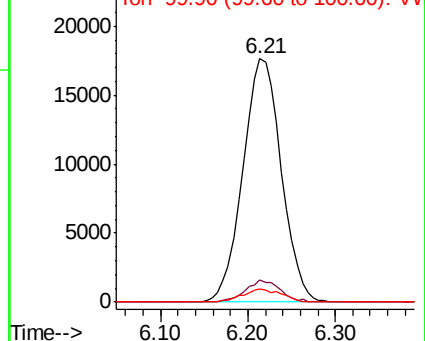
100 5.2 2.5 7.4

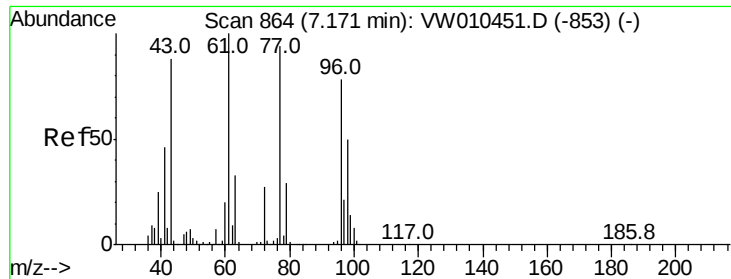


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 83.350 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

Tot Ion: 43 Resp: 37489

Ion Ratio Lower Upper

43 100

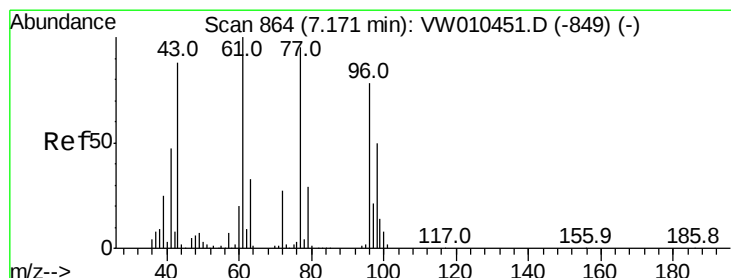
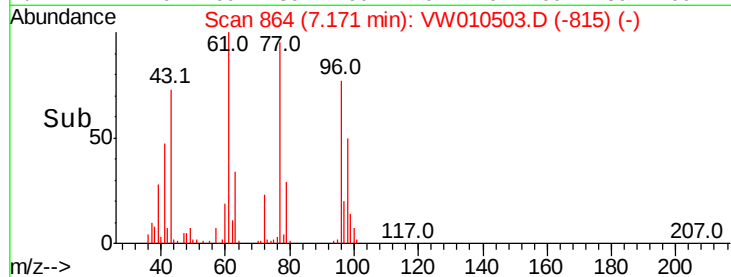
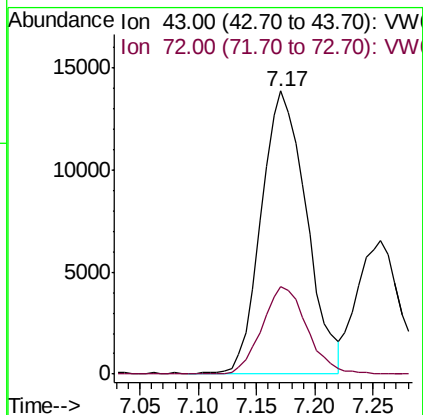
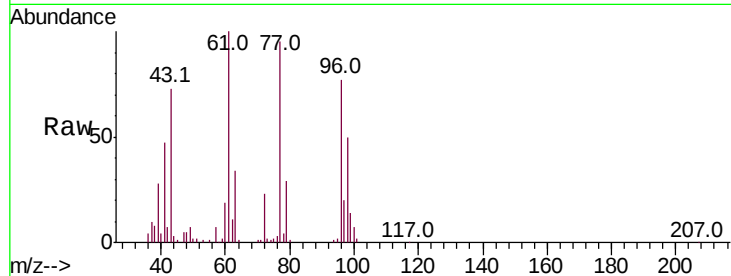
72 30.7 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.943 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010503.D

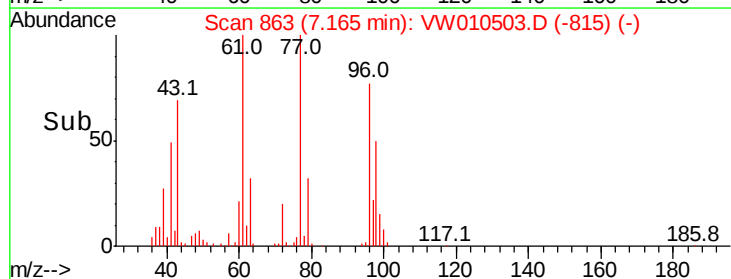
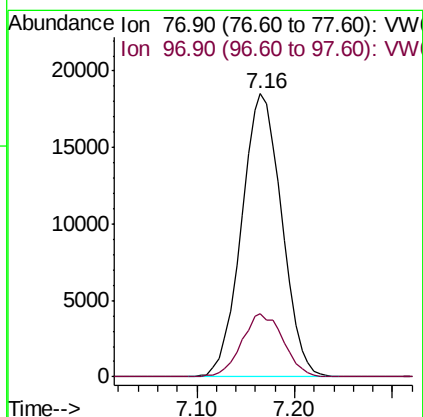
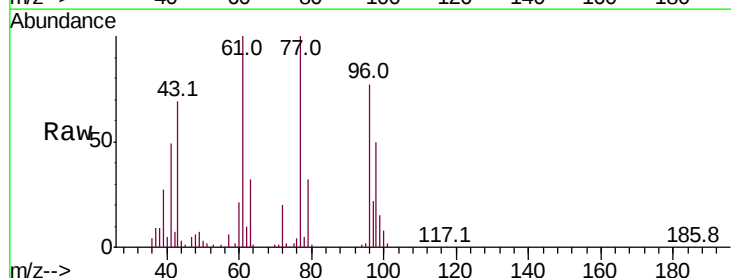
Acq: 22 May 2019 11:57

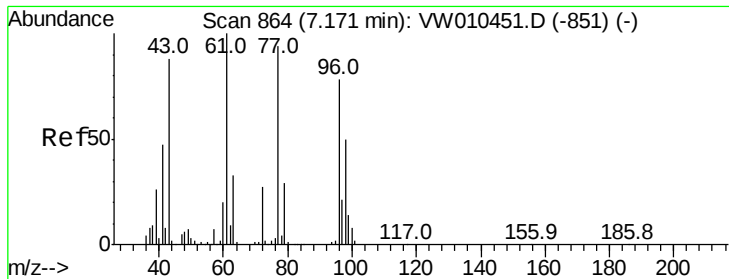
Tgt Ion: 77 Resp: 53017

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

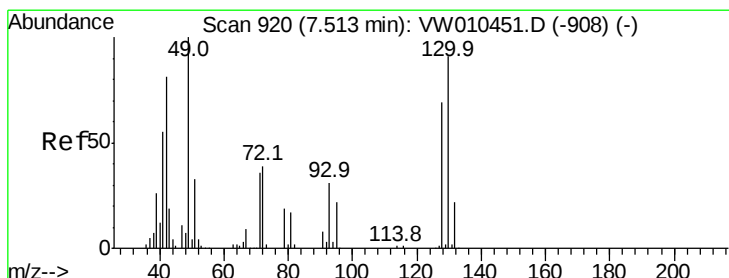
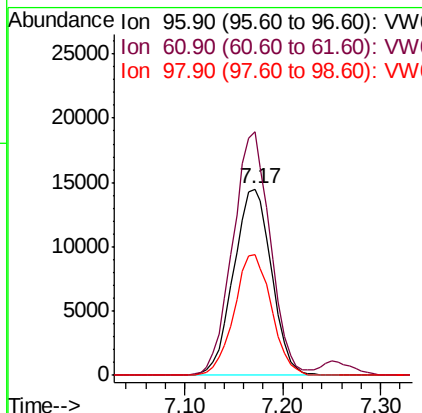
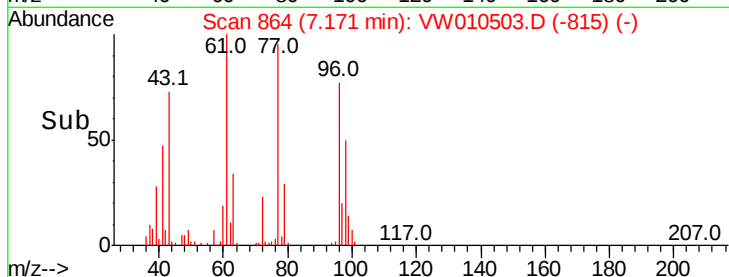
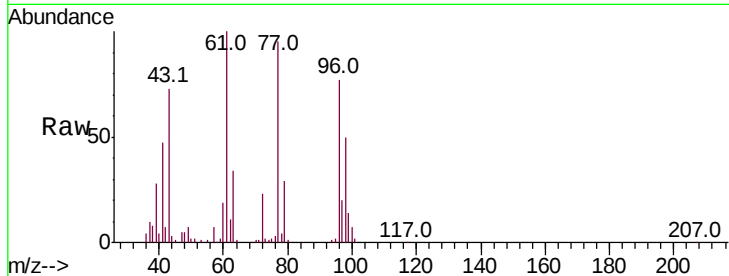
cis-1,2-Dichloroethene
Concen: 19.776 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	265.4
98	63.5	0.0	129.4

Manual Integrations
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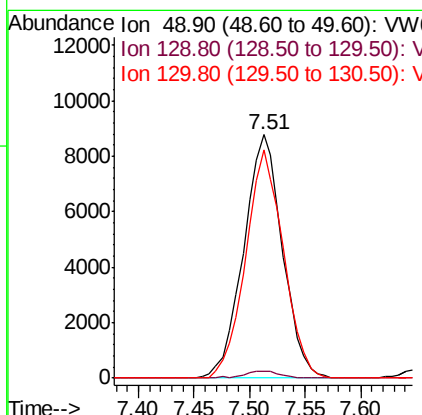
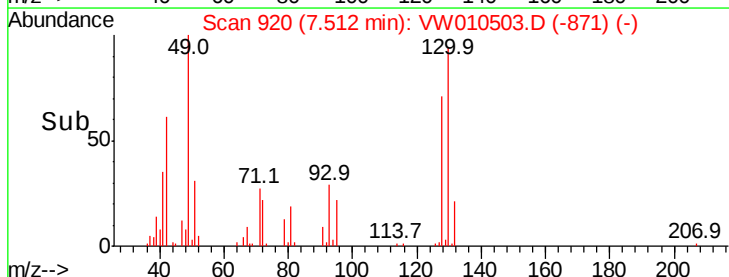
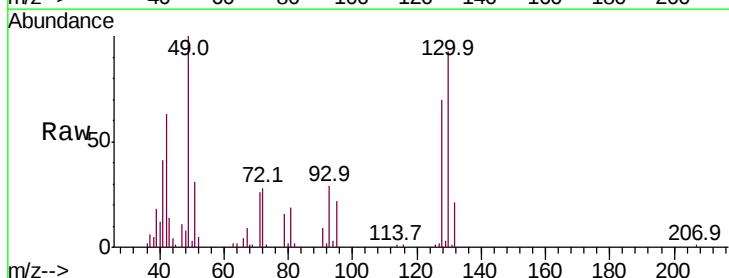
MMDadoda
5/23/2019 11:42:20 AM

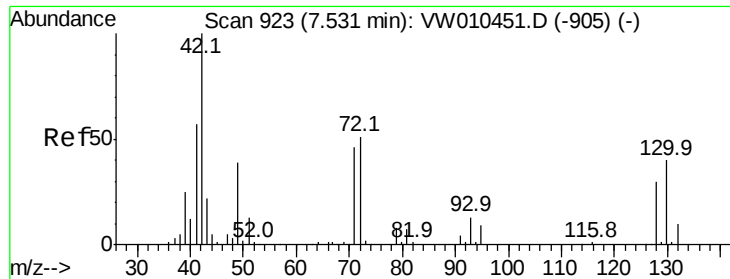


#28

Bromochloromethane
Concen: 21.246 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	91.2	71.2	106.8





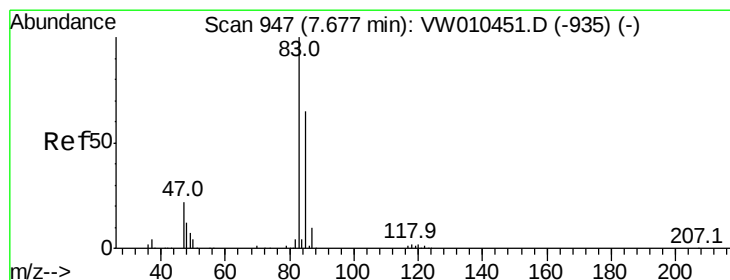
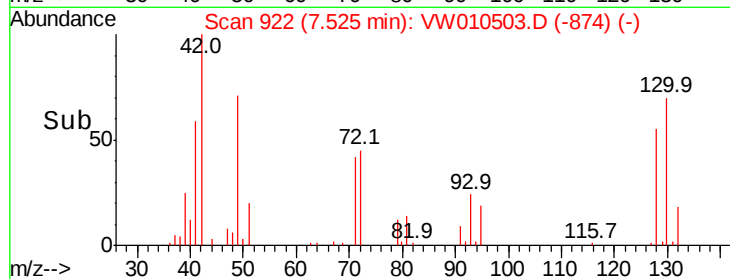
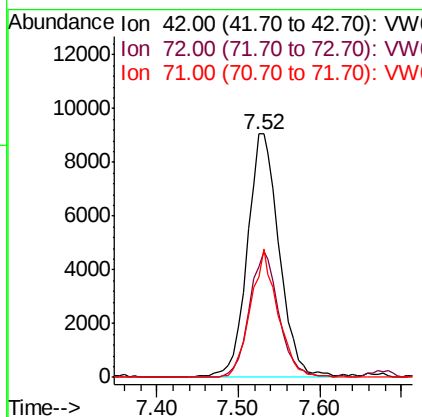
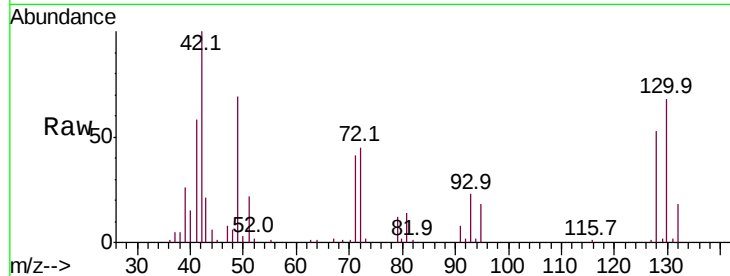
#29
Tetrahydrofuran
Concen: 81.198 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.5	57.7
71	45.2	36.5	54.7

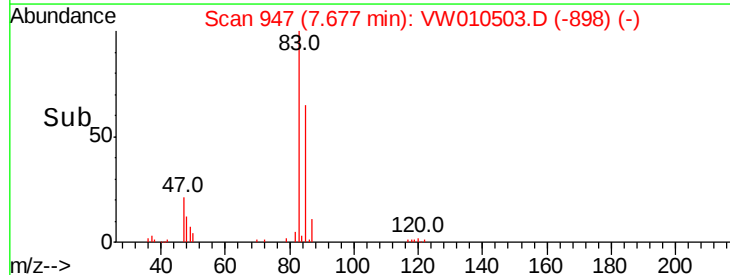
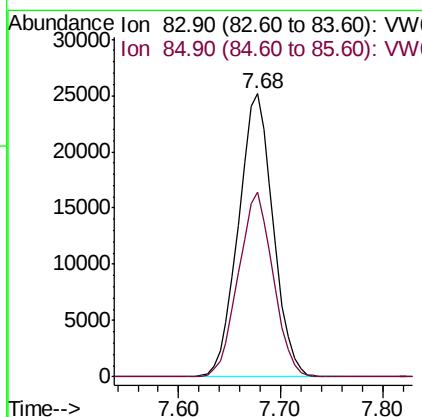
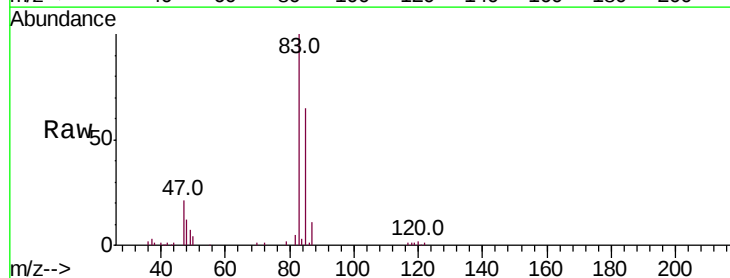
Manual Integrations
APPROVED

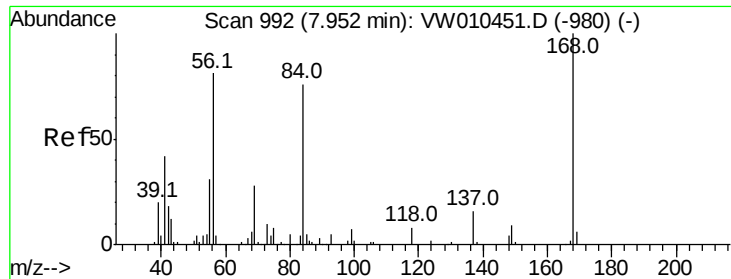
MMDadoda
5/23/2019 11:42:20 AM



#30
Chloroform
Concen: 19.748 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4





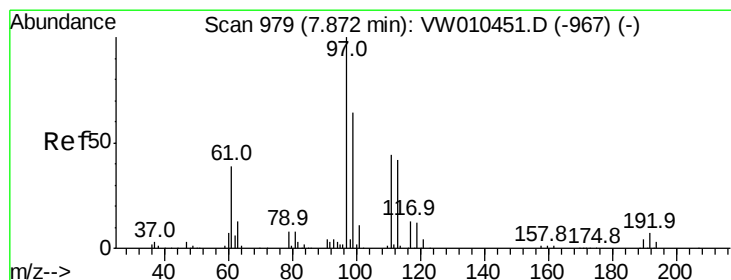
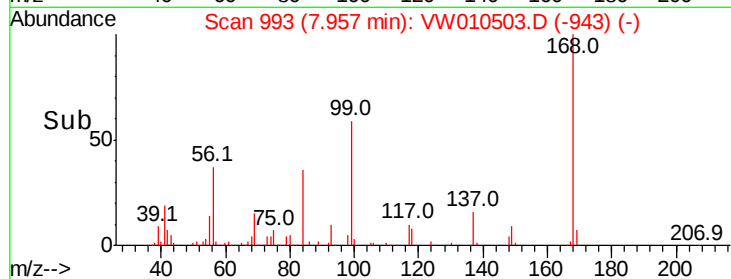
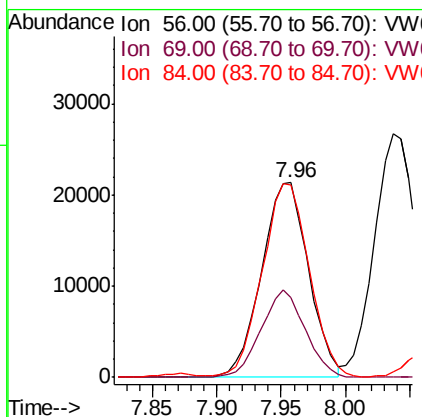
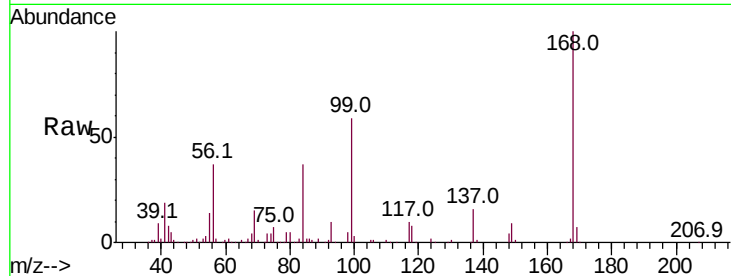
#31
Cyclohexane
Concen: 18.495 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampled :
VW0522SBSD01

Tot Ion: 56 Resp: 54067
Ion Ratio Lower Upper
56 100
69 40.9 28.2 42.2
84 97.2 75.8 113.8

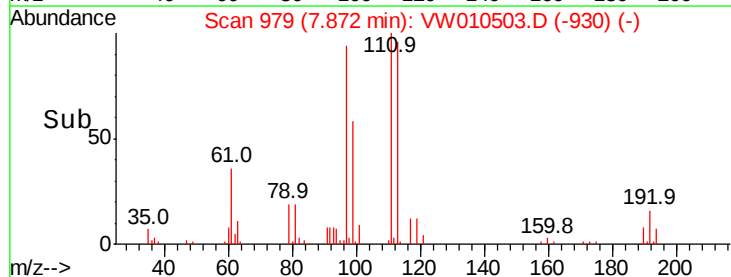
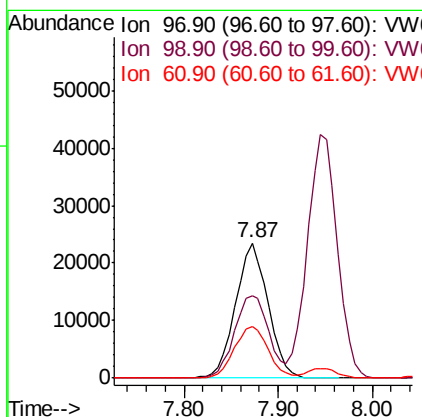
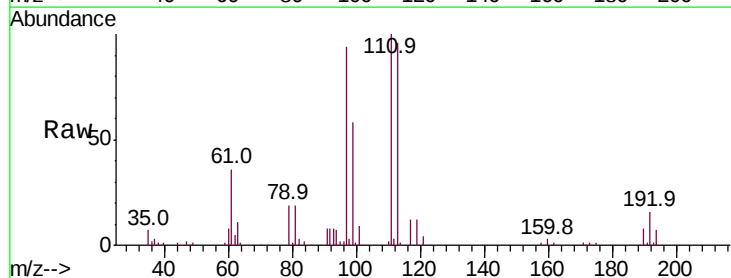
Manual Integrations
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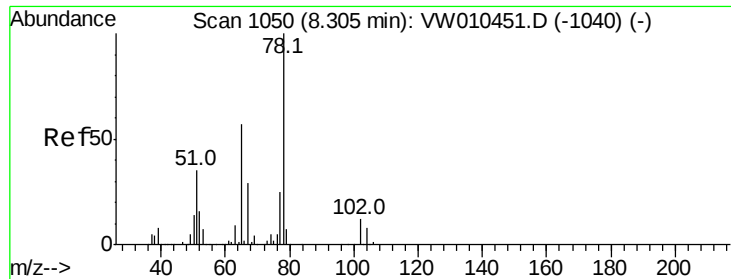
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.647 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 97 Resp: 56527
Ion Ratio Lower Upper
97 100
99 64.9 50.8 76.2
61 39.8 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 46.989 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBSD01

Tot Ion: 65 Resp: 72350

Ion Ratio Lower Upper

65 100

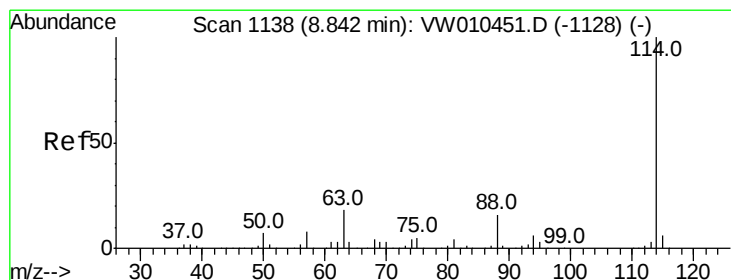
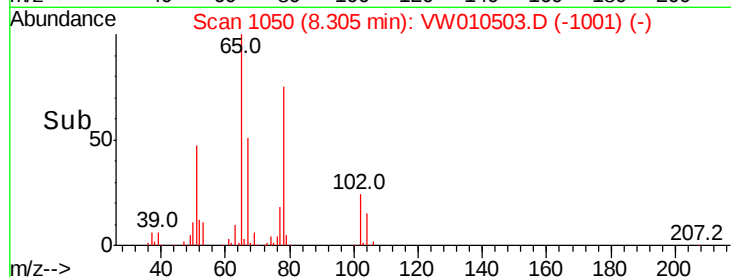
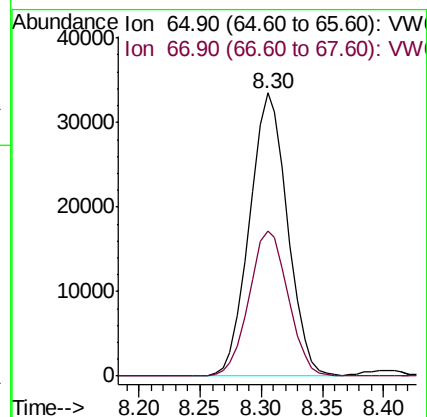
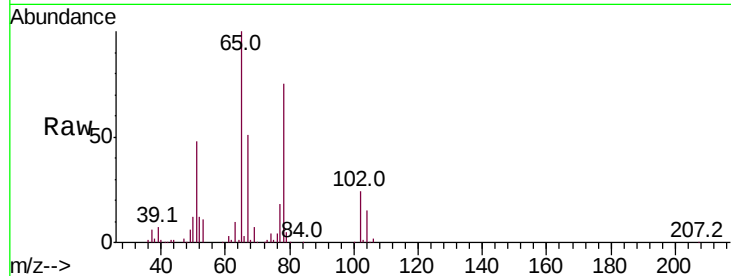
67 52.7 0.0 103.6

Manual Integrations

APPROVED

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

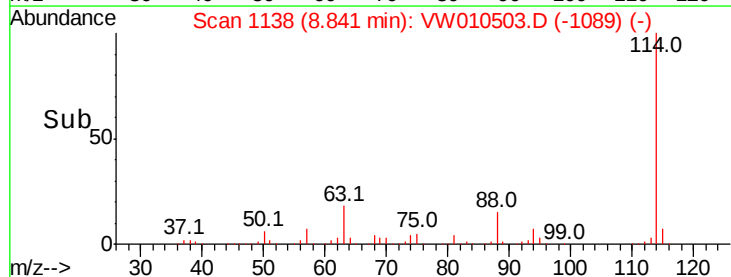
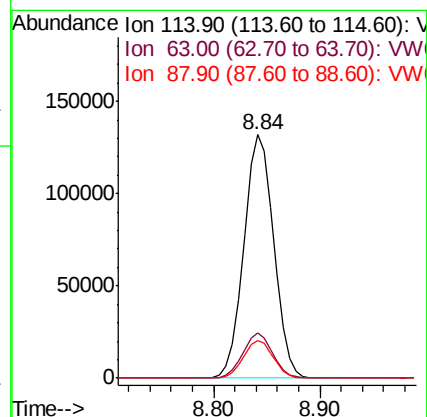
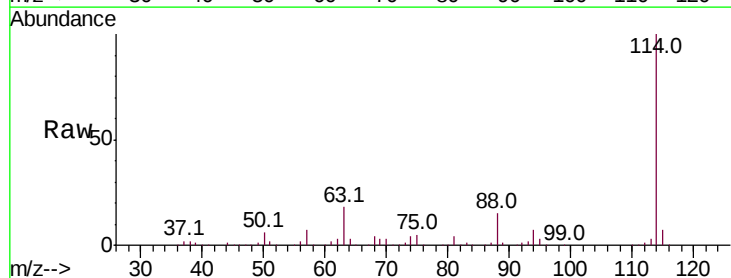
Tgt Ion: 114 Resp: 260355

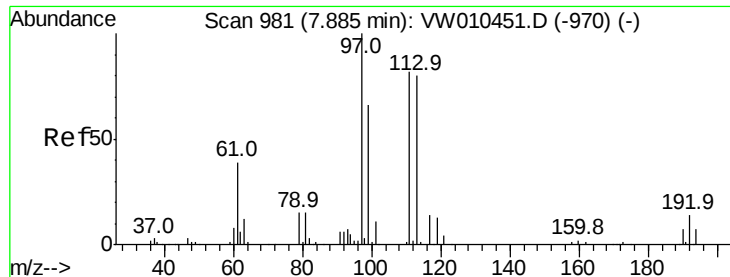
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.0

88 15.3 0.0 32.0





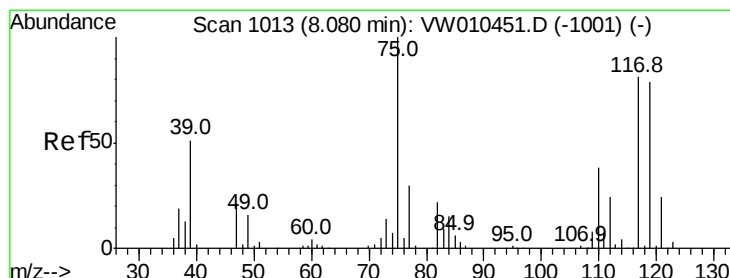
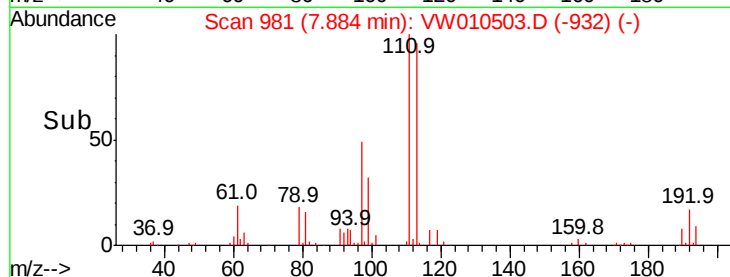
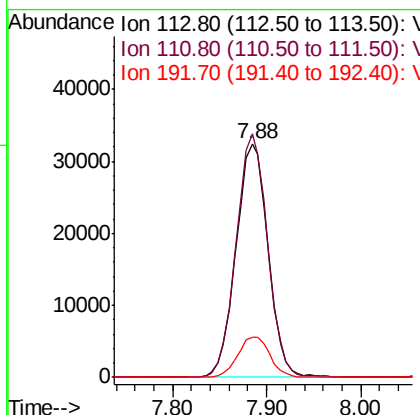
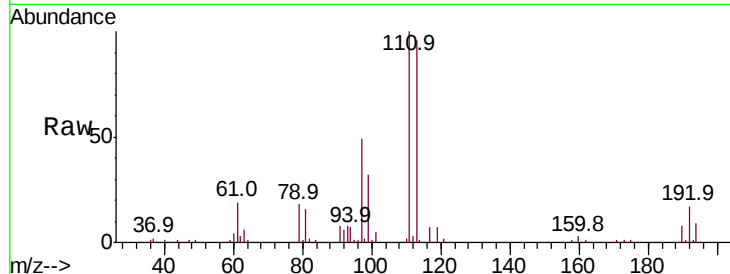
#35
 Dibromofluoromethane
 Concen: 48.768 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	17.5	14.3	21.5

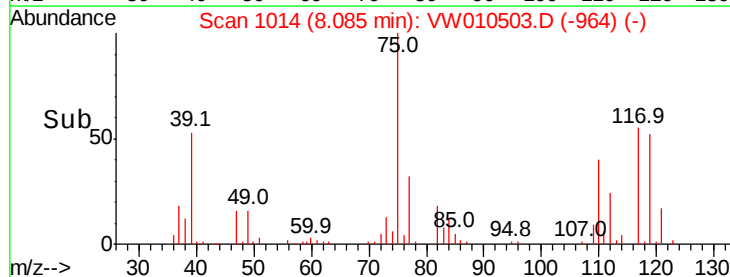
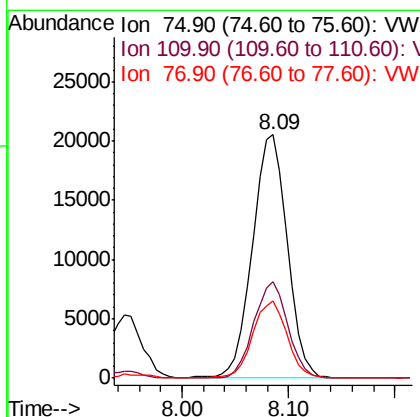
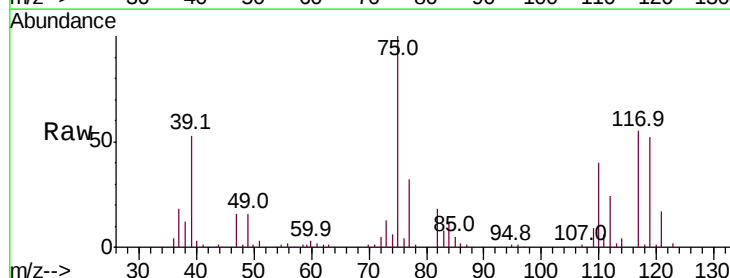
Manual Integrations
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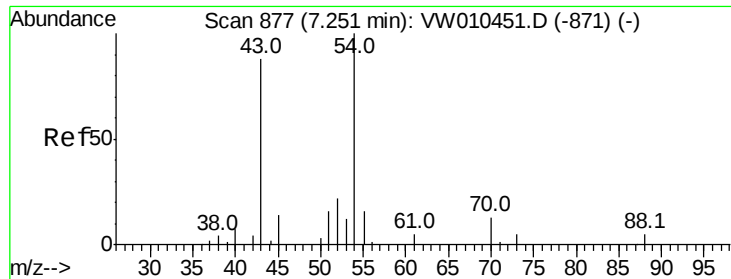
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#36
 1,1-Dichloropropene
 Concen: 19.452 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.2	57.6
77	31.2	25.2	37.8





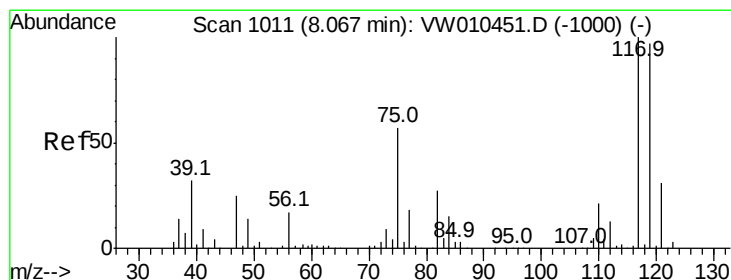
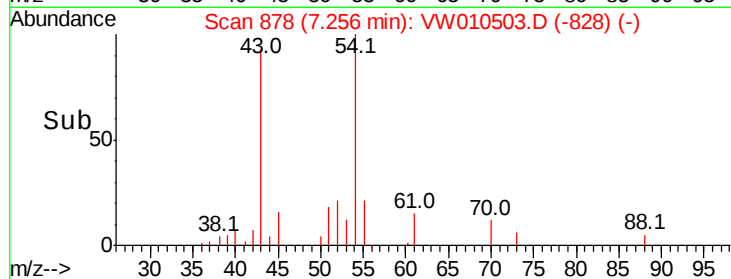
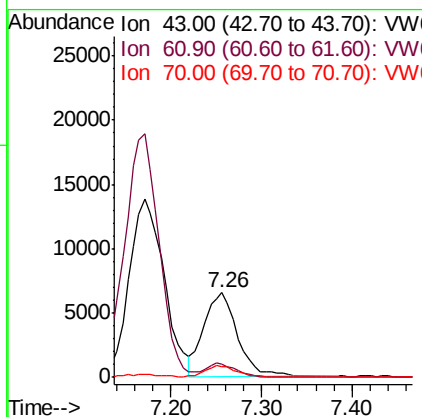
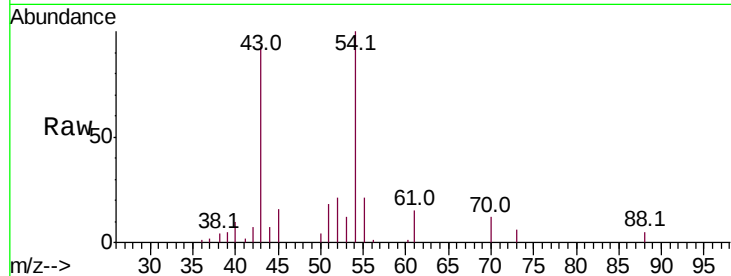
#37
Ethyl Acetate
Concen: 16.604 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	13.1	9.9	14.9

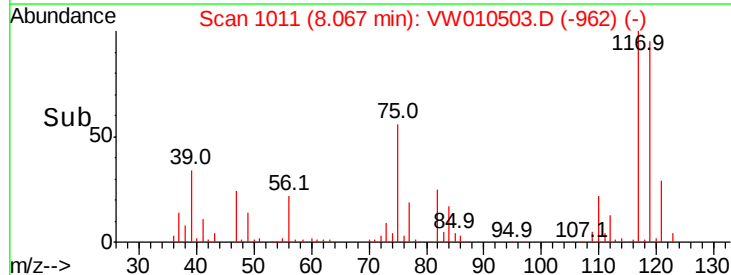
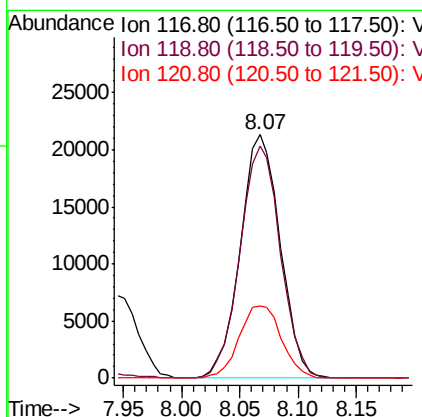
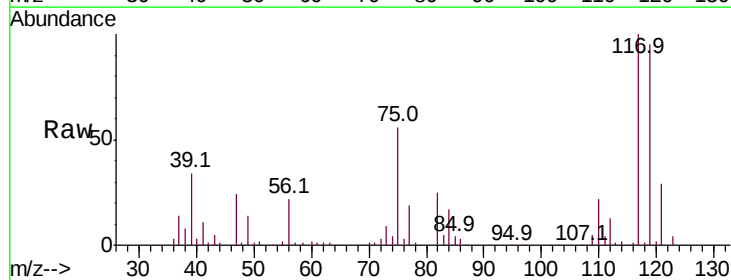
Manual Integrations
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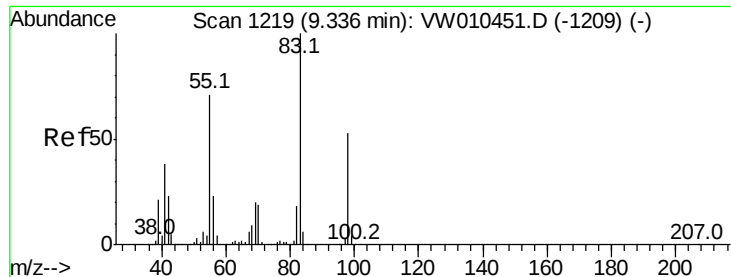
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#38
Carbon Tetrachloride
Concen: 19.459 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	29.4	25.0	37.6





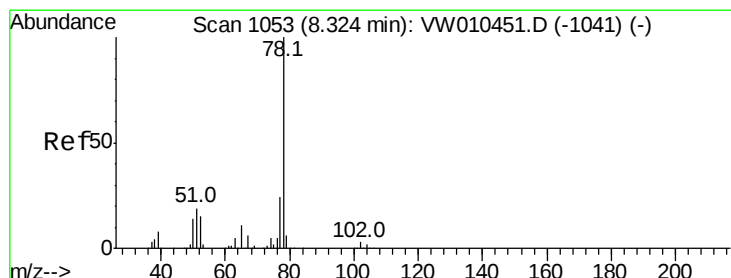
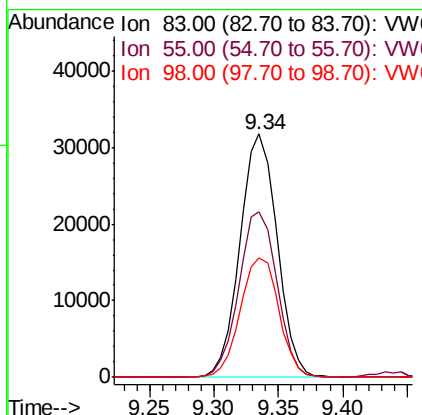
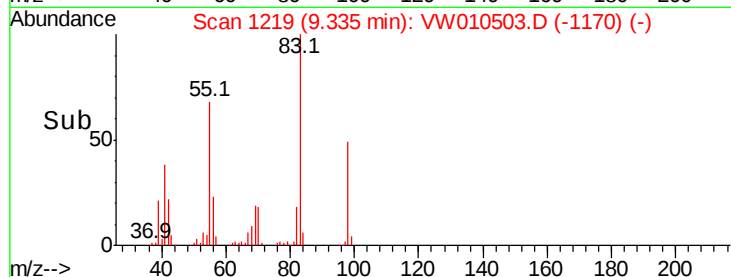
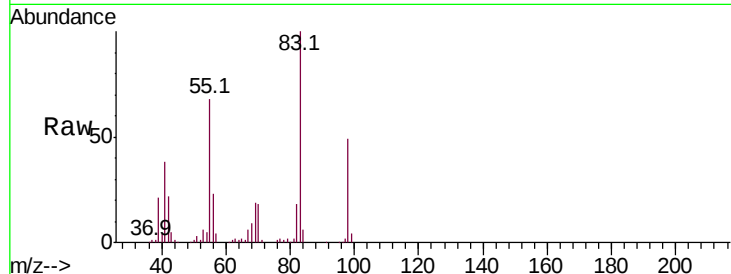
#39
Methvlcvclohexane
Concen: 19.554 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	63537		
55	68.2		57.0	85.6
98	49.2		42.0	63.0

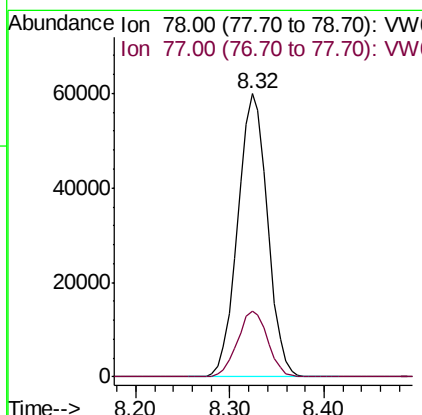
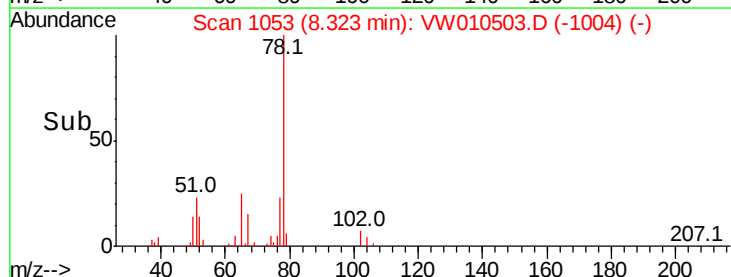
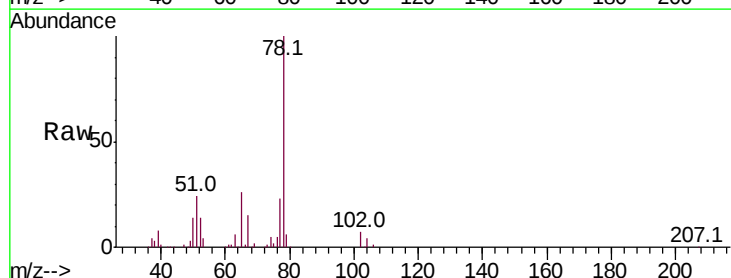
Manual Integrations
APPROVED

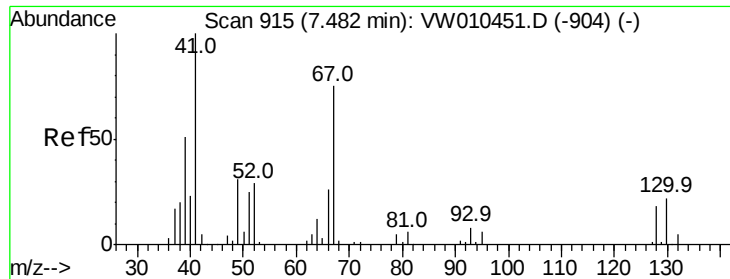
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#40
Benzene
Concen: 19.595 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	132089		
77	23.4		18.9	28.3





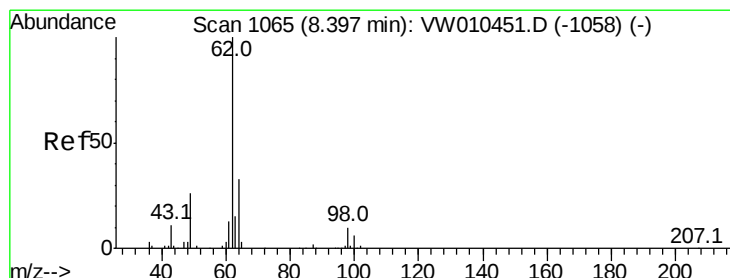
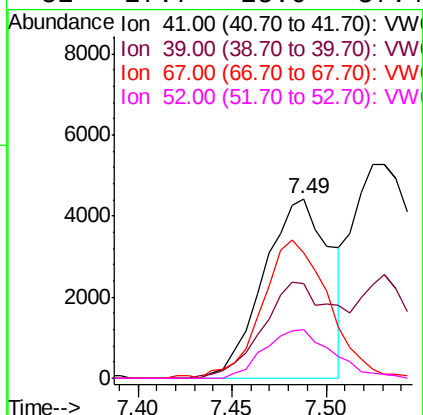
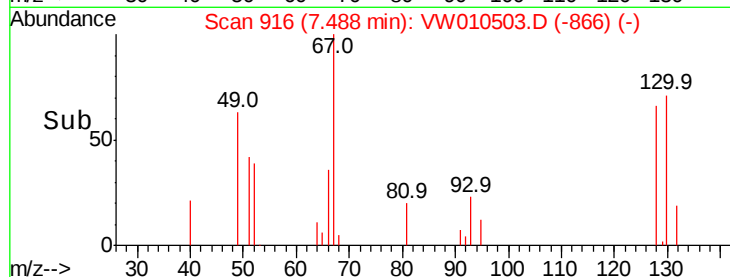
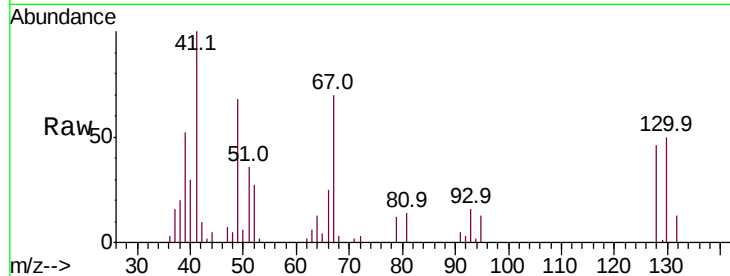
#41
Methacrylonitrile
Concen: 17.759 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.5	47.4	71.2
67	77.0	65.5	98.3
52	27.7	25.0	37.4

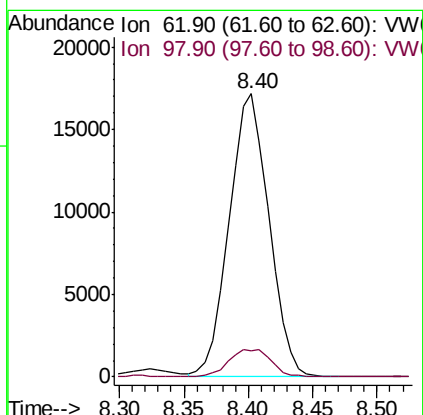
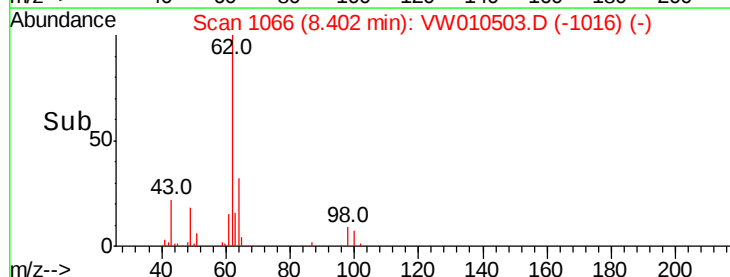
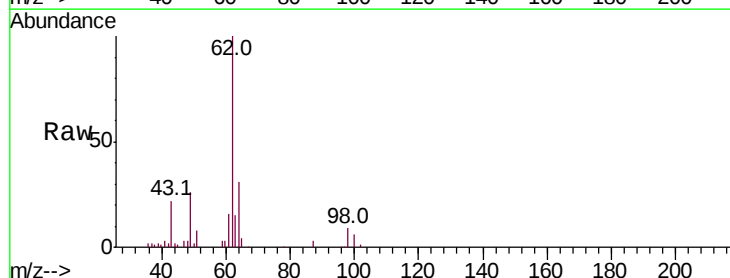
Manual Integrations
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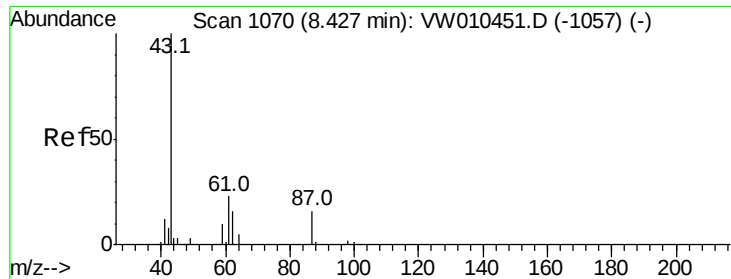
MMDadoda
5/23/2019 11:42:20 AM



#42
1,2-Dichloroethane
Concen: 19.140 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

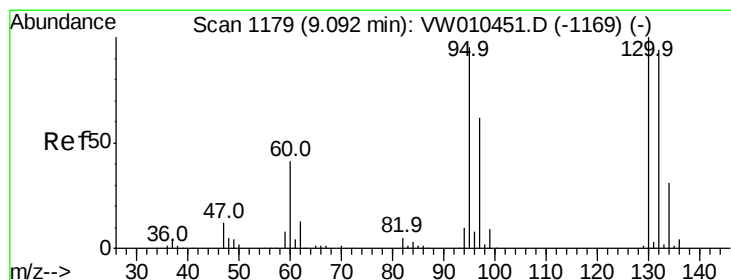
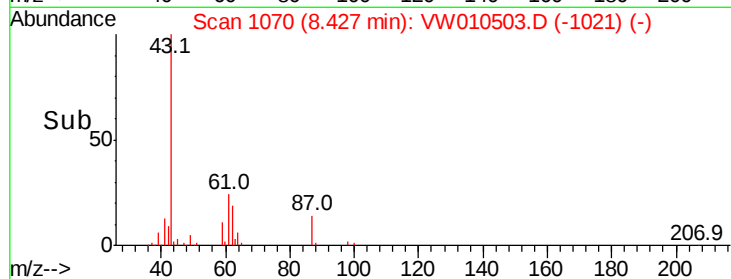
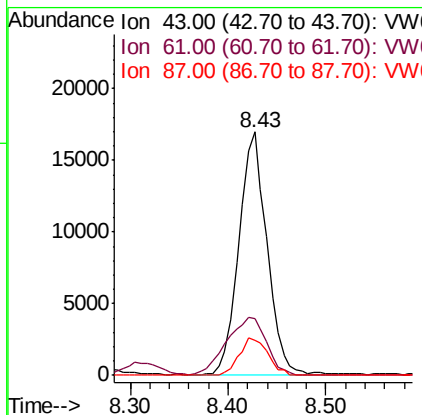
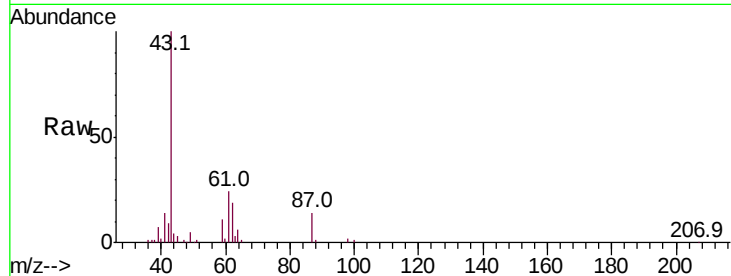
Isopropyl Acetate
 Concen: 16.629 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.4	38.2
87	15.4	12.7	19.1

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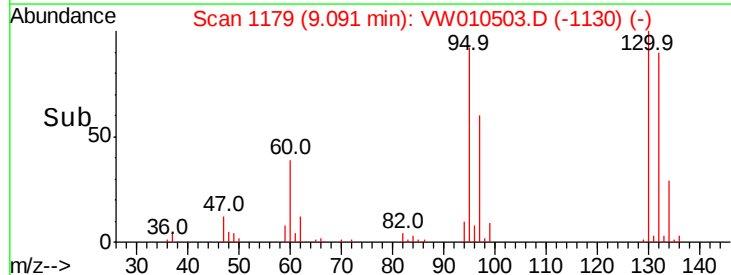
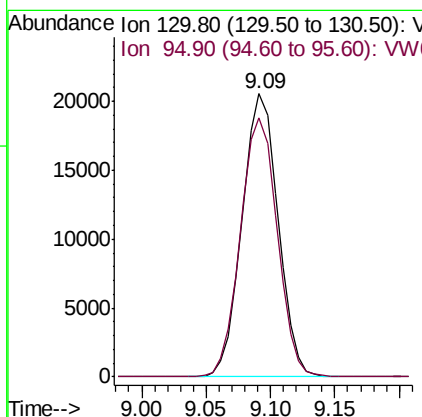
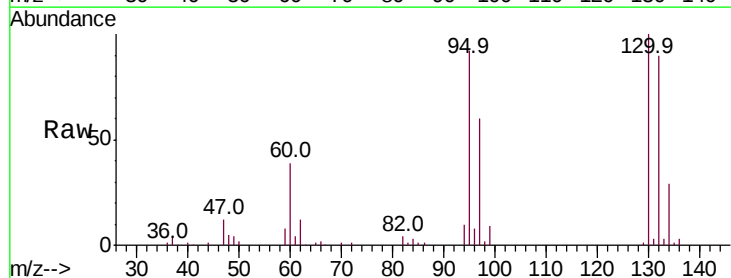
MMDadoda
 5/23/2019 11:42:20 AM

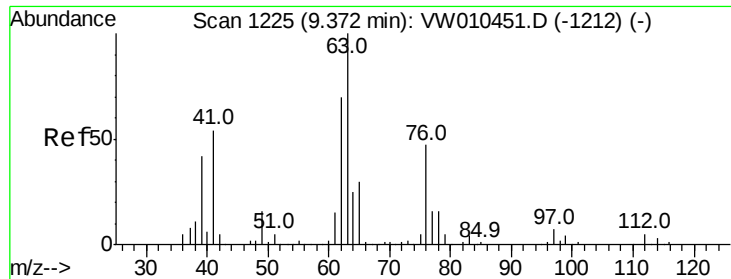


#44

Trichloroethene
 Concen: 19.858 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	189.6





#45

1,2-Dichloropropane

Concen: 19.147 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 63 Resp: 30654

Ion Ratio Lower Upper

63 100

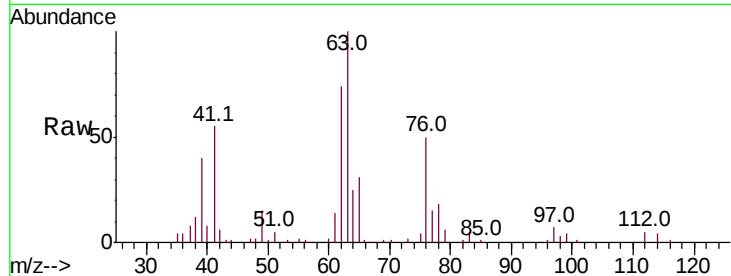
65 30.5 24.3 36.5

Manual Integrations

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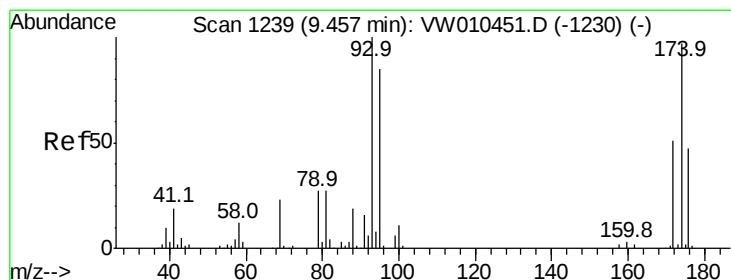
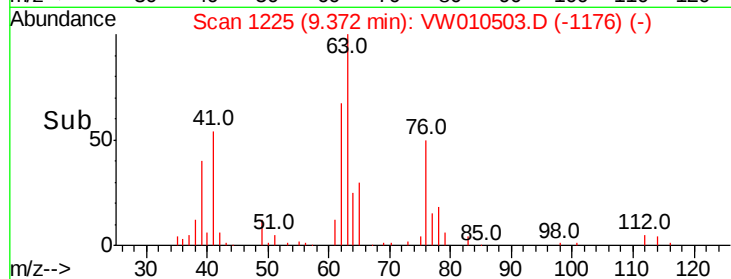
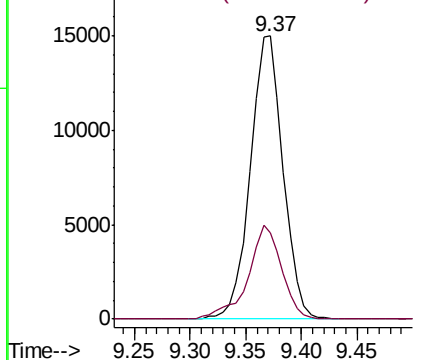
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 18.886 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

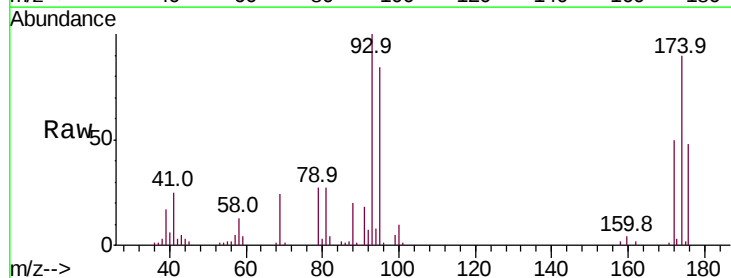
Tgt Ion: 93 Resp: 17683

Ion Ratio Lower Upper

93 100

95 84.6 66.1 99.1

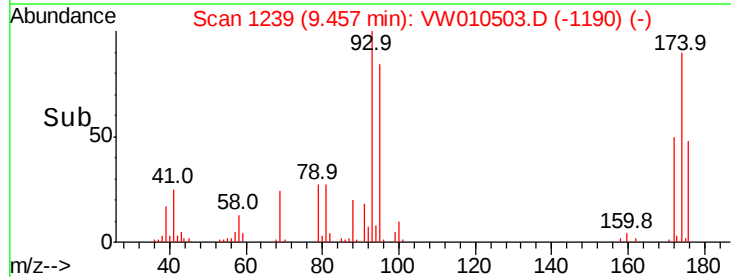
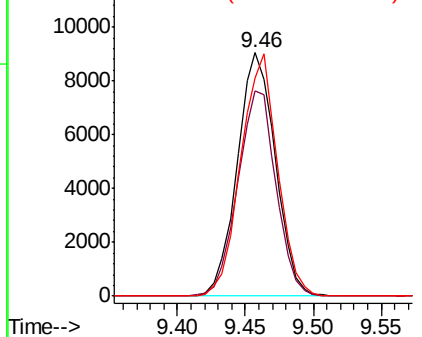
174 96.0 77.1 115.7

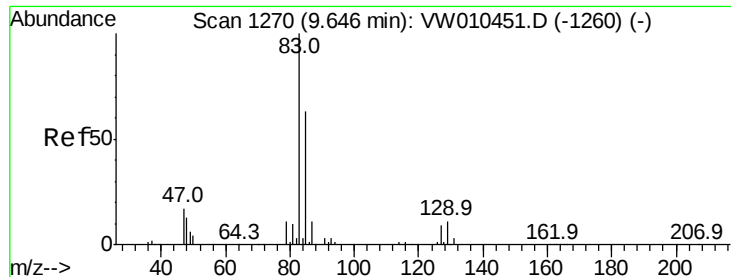


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





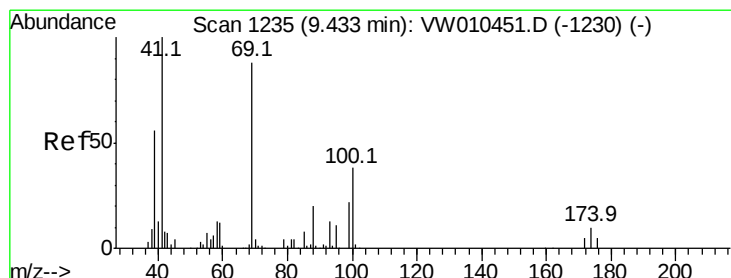
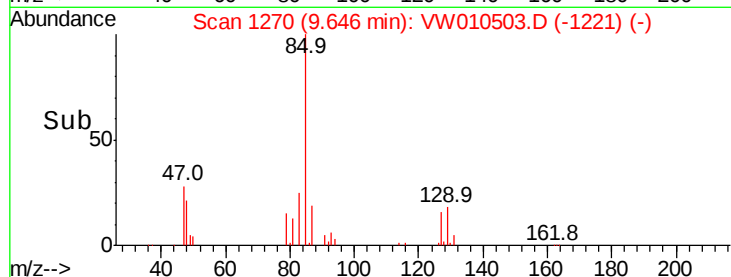
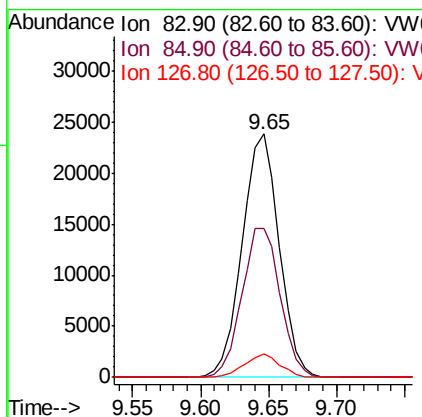
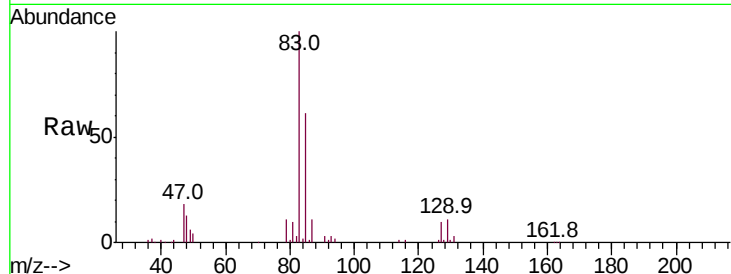
#47
Bromodichloromethane
Concen: 19.252 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	45297		
85	61.2		50.4	75.6
127	9.5		7.4	11.0

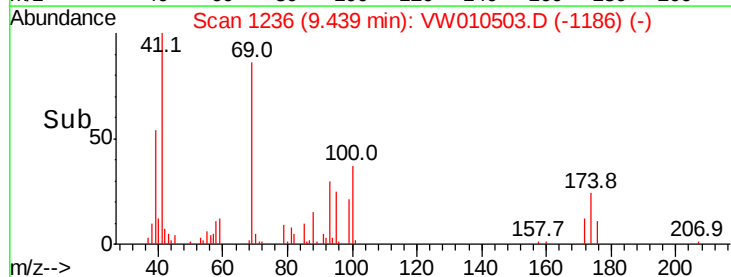
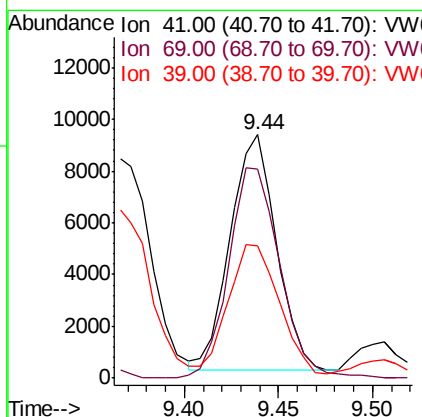
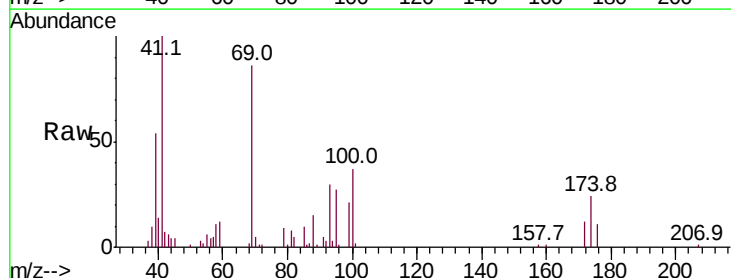
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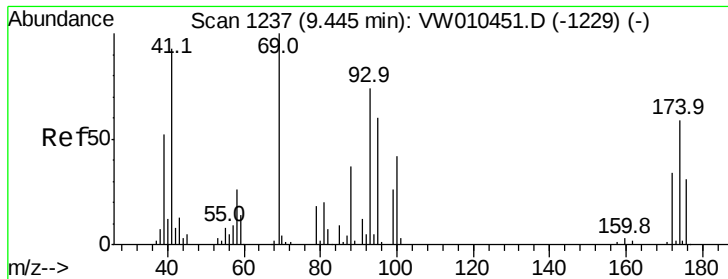
MMDadoda
5/23/2019 11:42:20 AM



#48
Methyl methacrylate
Concen: 16.438 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	15495		
69	99.1		77.6	116.4
39	59.2		49.8	74.8





#49

1,4-Dioxane

Concen: 284.800 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

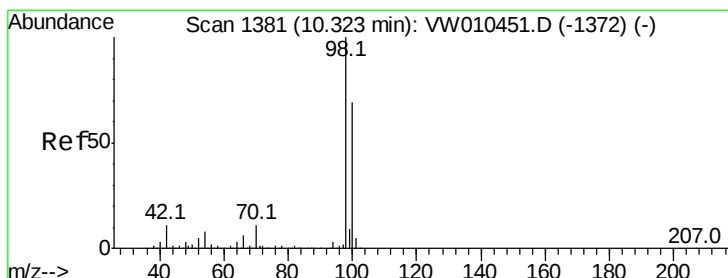
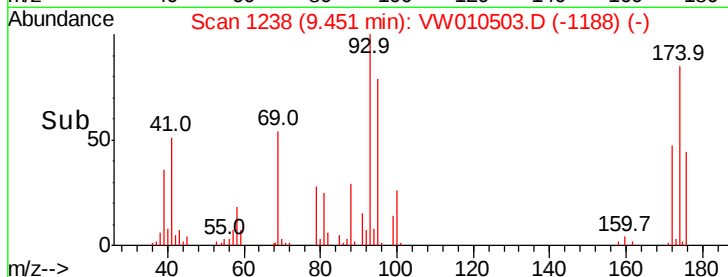
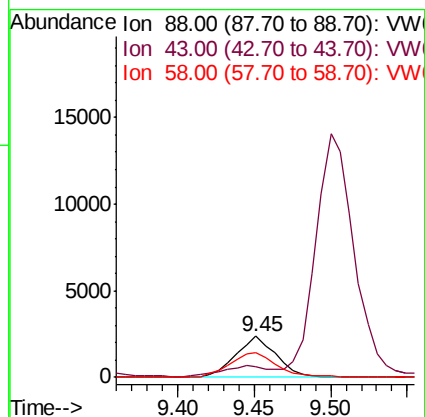
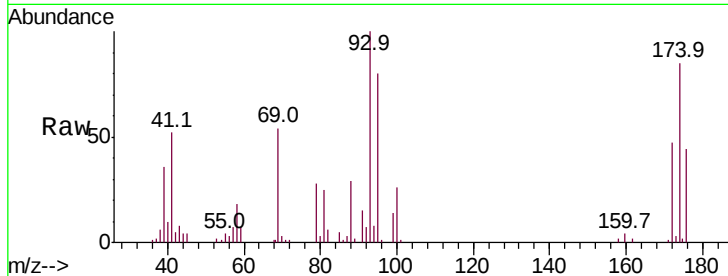
ClientSampleId :

VW0522SBS01

Tot Ion:	88	Resp:	4356
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.9	38.9
58	70.0	52.7	79.1

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#50

Toluene-d8

Concen: 49.166 ug/l

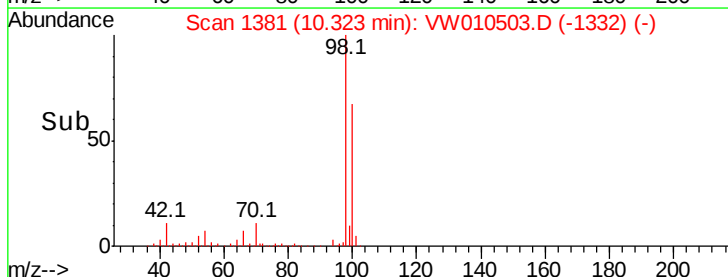
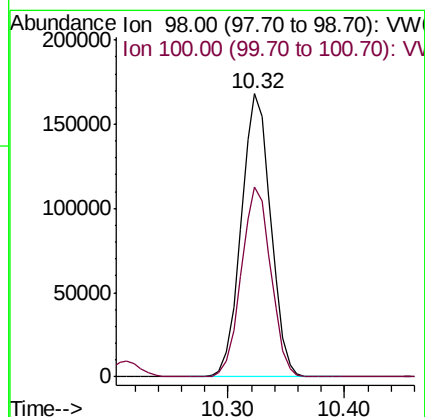
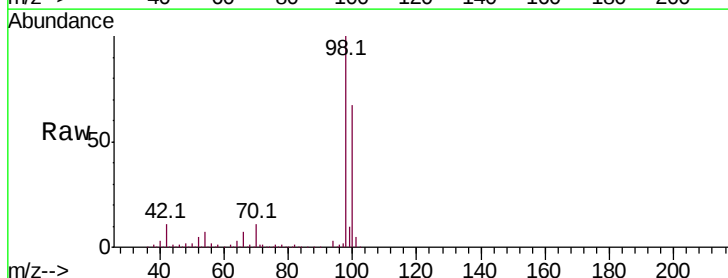
RT: 10.32 min Scan# 1381

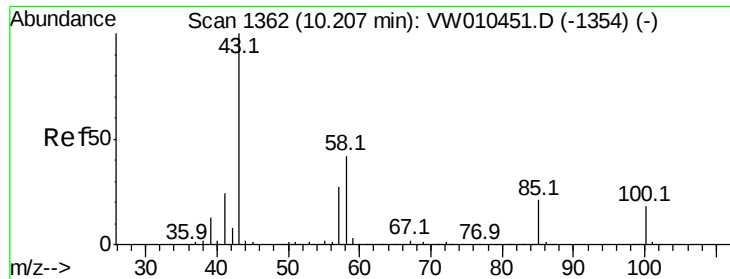
Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion:	98	Resp:	296723
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.7	80.5





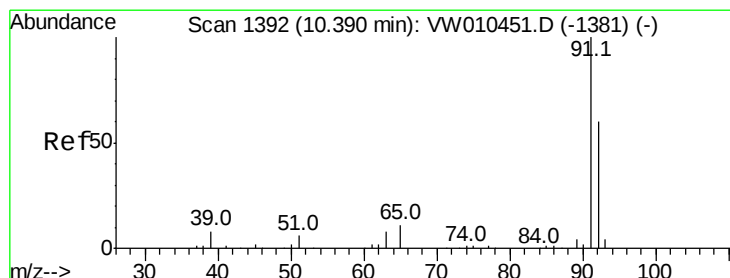
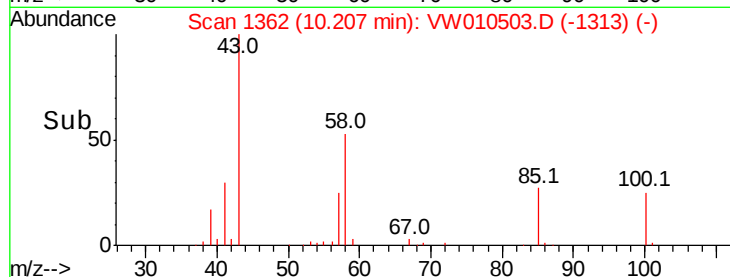
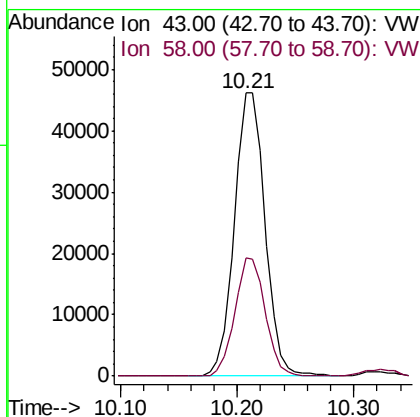
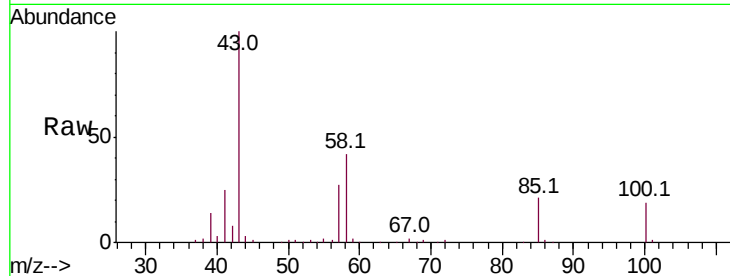
#51
4-Methyl-2-Pentanone
Concen: 80.859 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampled :
VW0522SBS01

Tot Ion: 43 Resp: 84423
Ion Ratio Lower Upper
43 100
58 41.5 33.2 49.8

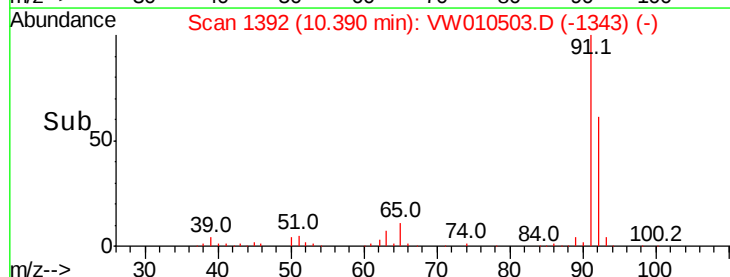
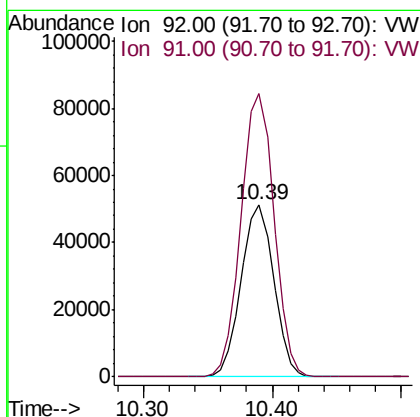
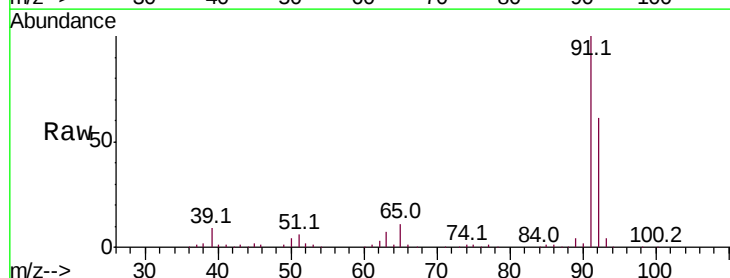
Manual Integrations
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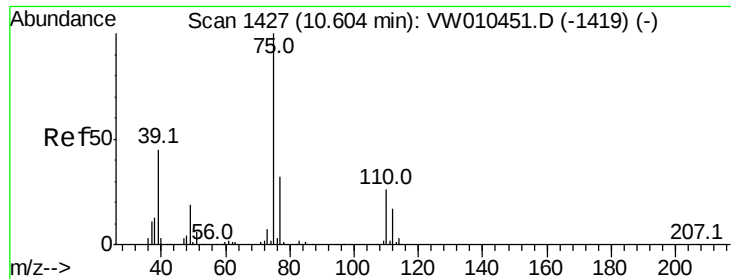
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#52
Toluene
Concen: 19.921 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 92 Resp: 90187
Ion Ratio Lower Upper
92 100
91 166.7 135.4 203.0





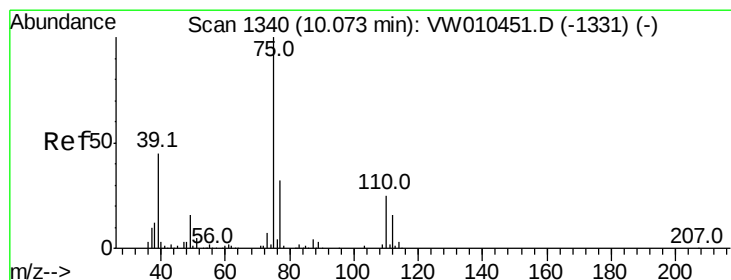
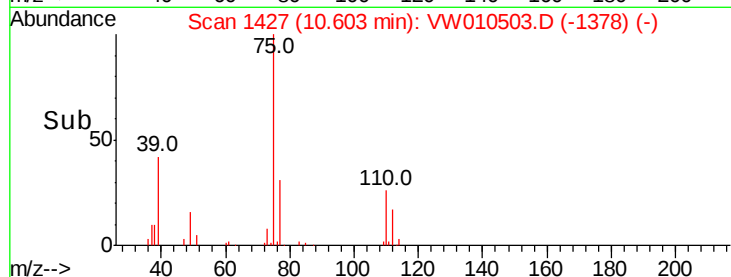
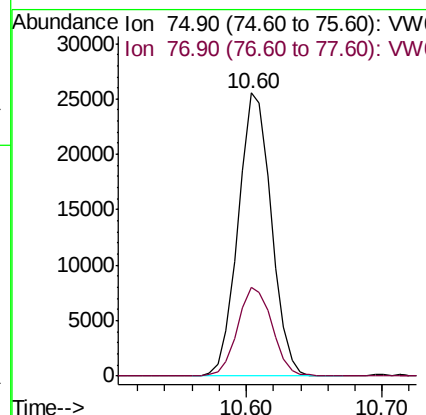
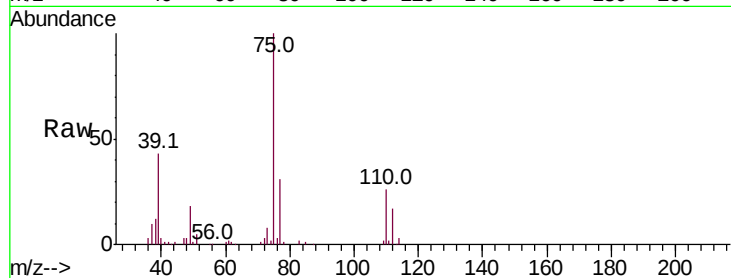
#53
 t-1,3-Dichloropropene
 Concen: 18.227 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	75	Resp	43433
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.4	38.0

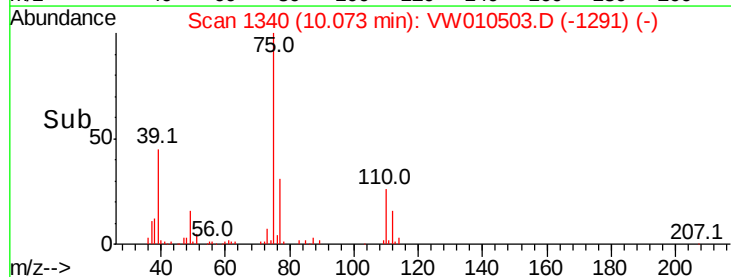
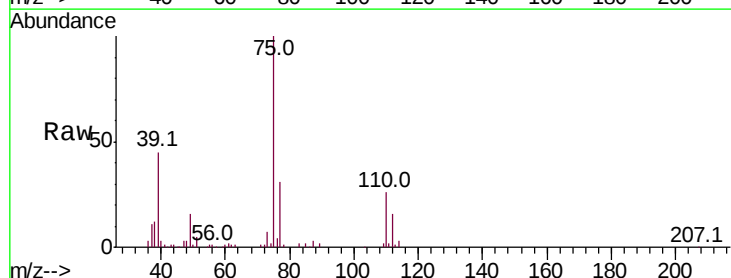
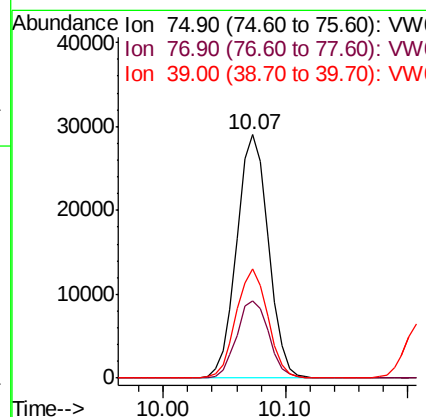
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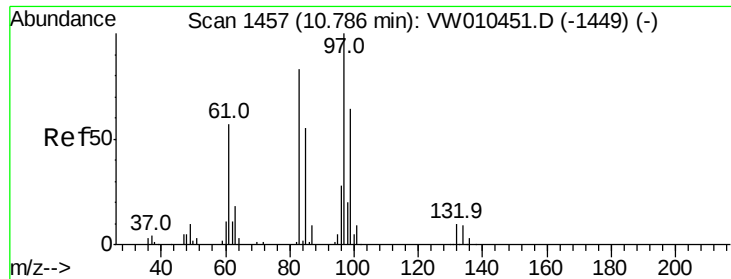
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#54
 cis-1,3-Dichloropropene
 Concen: 19.095 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	75	Resp	51966
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.7	38.5
39	44.6	36.2	54.4





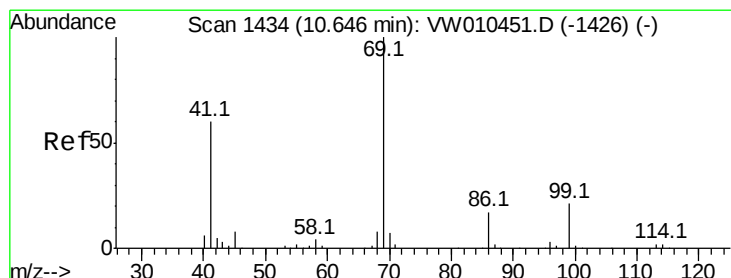
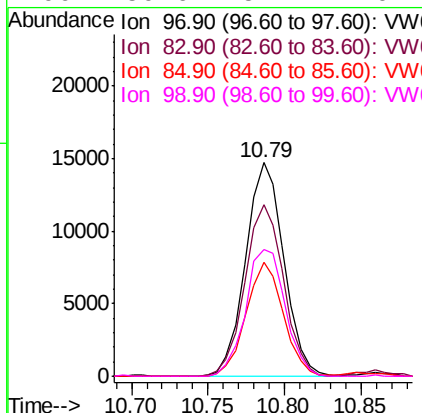
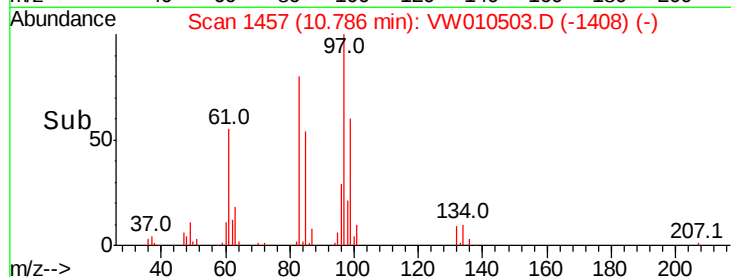
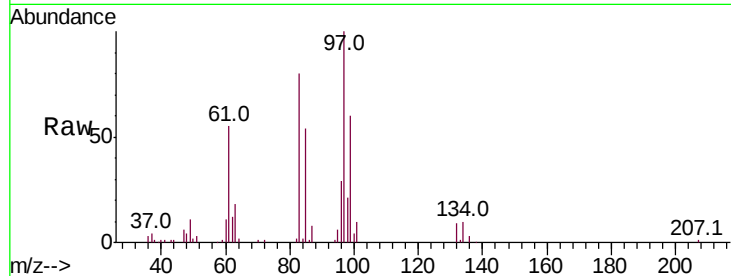
#55
 1,1,2-Trichloroethane
 Concen: 18.955 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.1	99.1
85	53.6	44.2	66.4
99	59.6	51.1	76.7

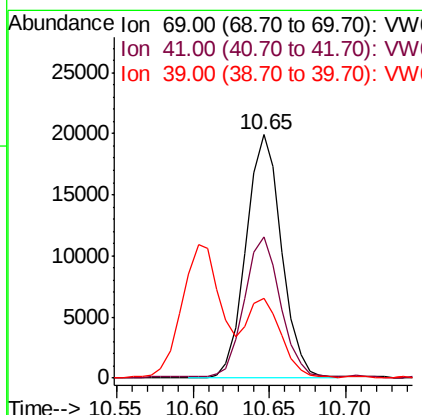
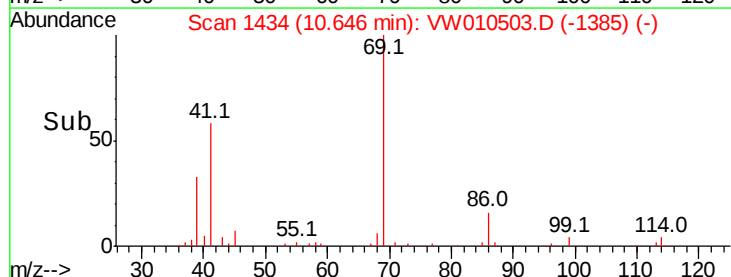
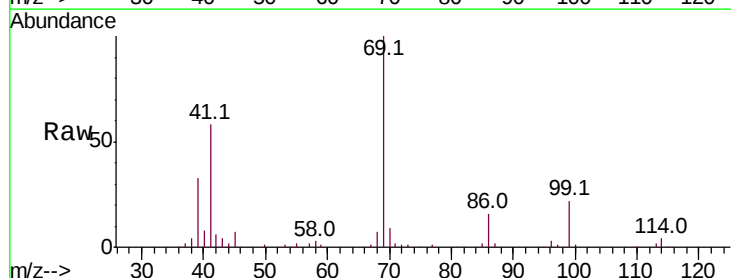
Manual Integrations
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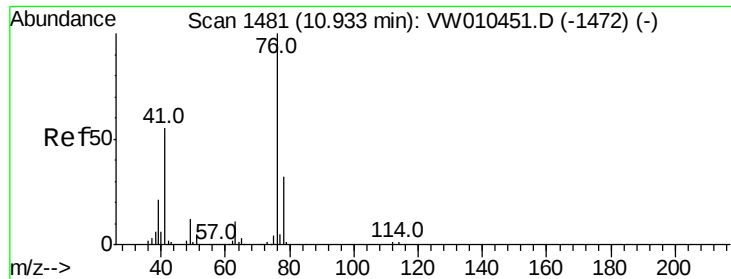
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#56
 Ethyl methacrylate
 Concen: 17.306 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.2	47.7	71.5
39	33.1	25.3	37.9





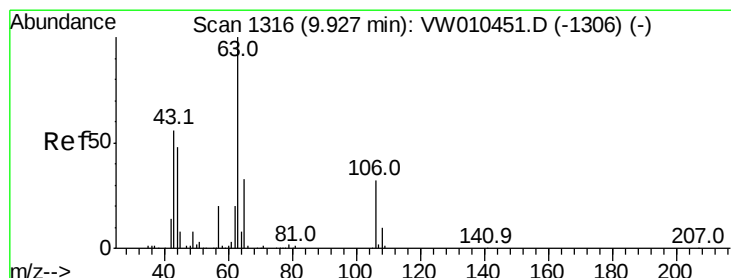
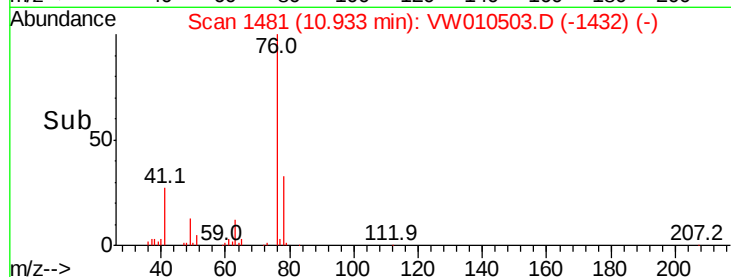
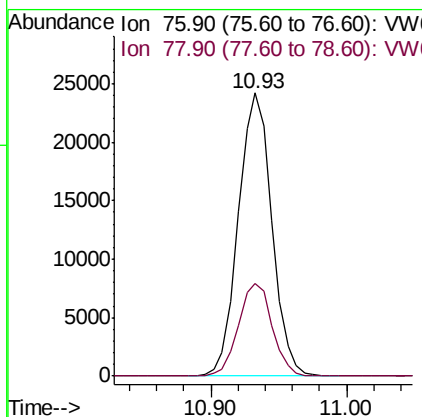
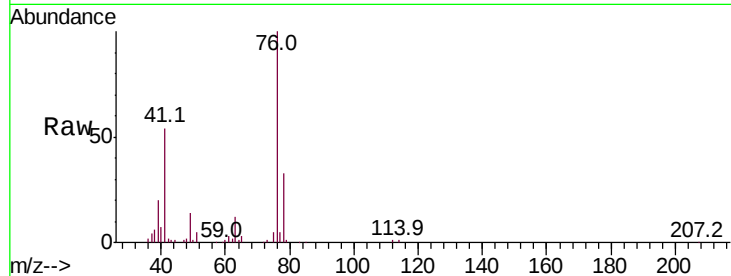
#57
 1,3-Dichloropropane
 Concen: 18.405 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion: 76 Resp: 41509
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

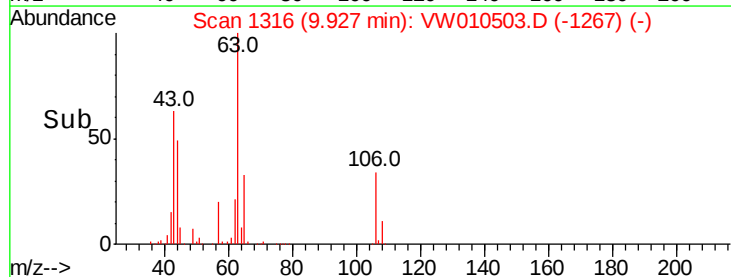
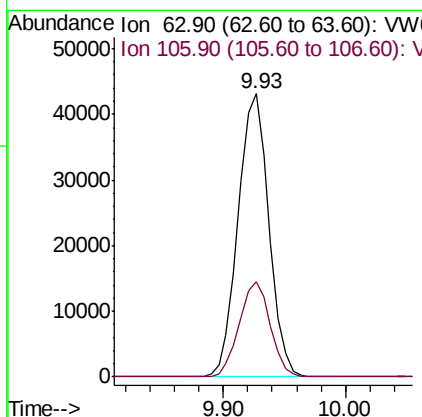
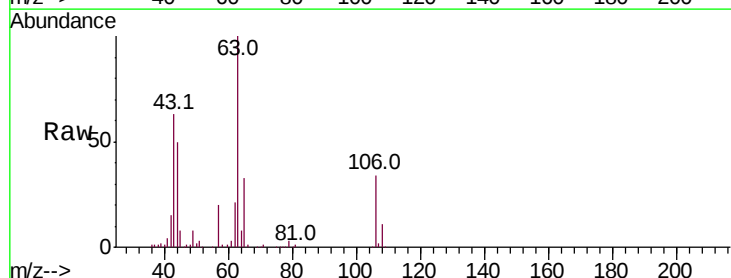
Manual Integrations
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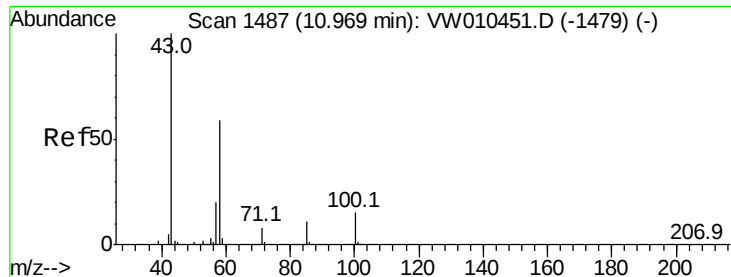
MMDadoda
 5/23/2019 11:42:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.540 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion: 63 Resp: 75290
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6





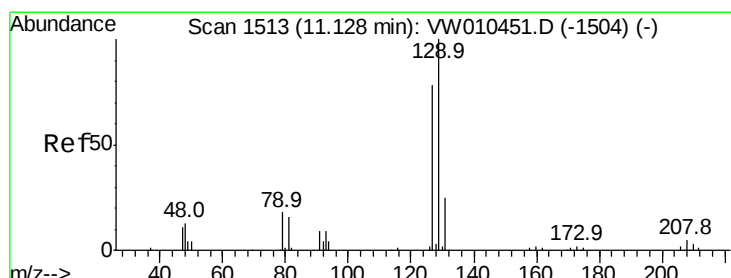
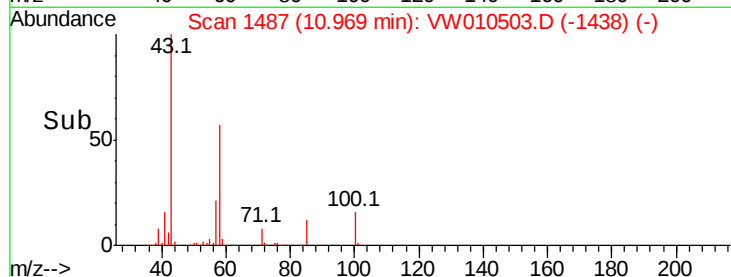
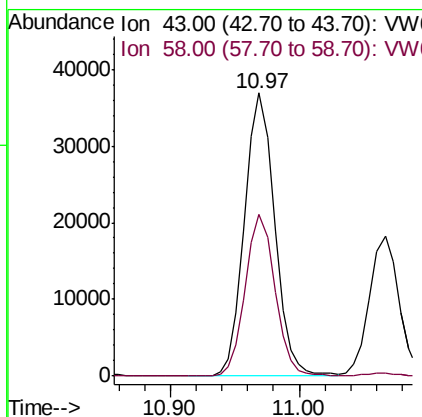
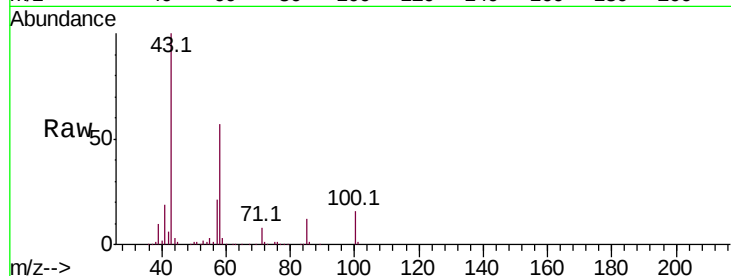
#59
2-Hexanone
Concen: 80.545 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	43	Resp	59989
Ion Ratio	100	Lower	Upper
58	56.2	28.9	86.8

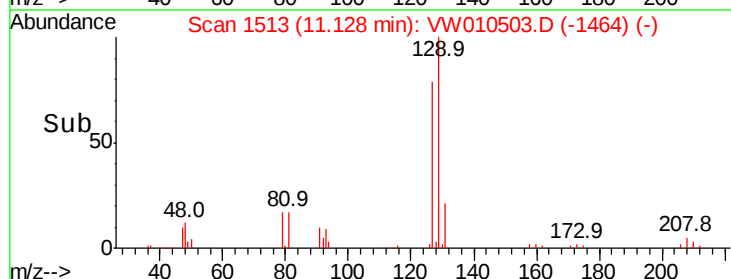
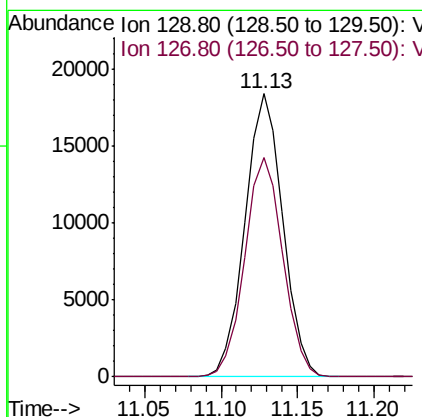
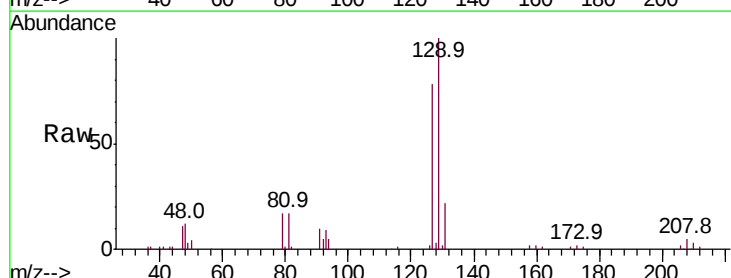
Manual Integrations
APPROVED

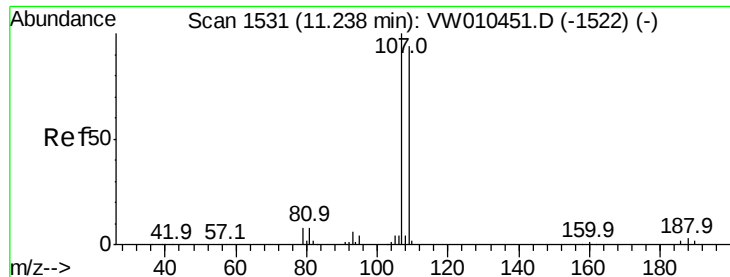
MMDadoda
5/23/2019 11:42:20 AM



#60
Dibromochloromethane
Concen: 18.572 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	129	Resp	31647	
Ion Ratio <th>129</th> <th>100</th> <th>Lower</th> <th>Upper</th>	129	100	Lower	Upper
127	77.9	38.9	116.7	





#61

1,2-Dibromoethane

Concen: 18.577 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:107 Resp: 25337

Ion Ratio Lower Upper

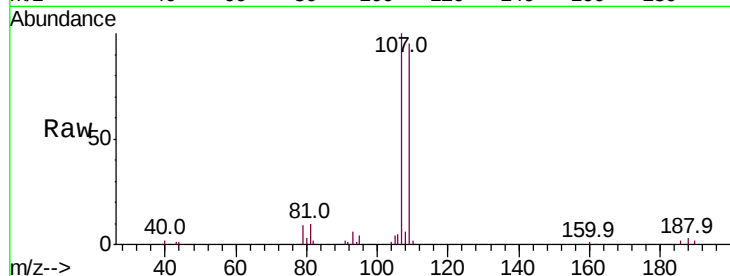
107 100

109 94.3 75.0 112.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

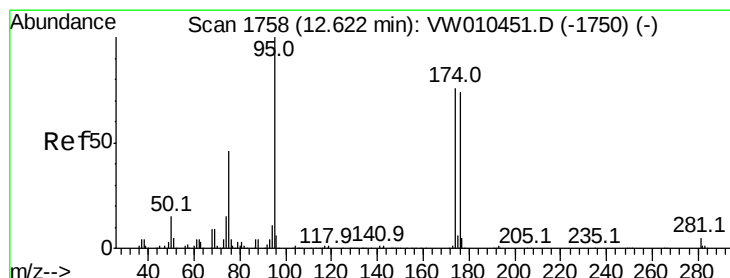
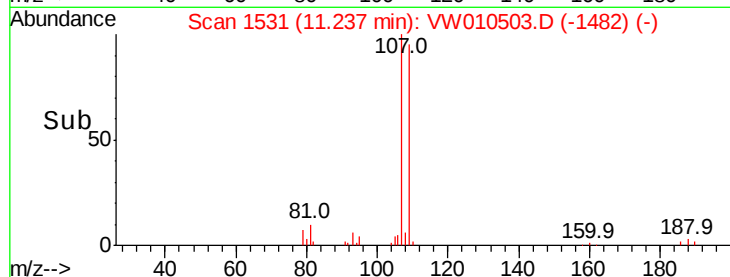
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.204 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

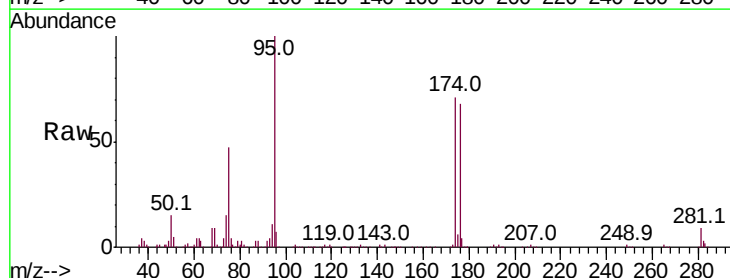
Tgt Ion: 95 Resp: 113474

Ion Ratio Lower Upper

95 100

174 71.9 0.0 148.6

176 69.2 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

80000

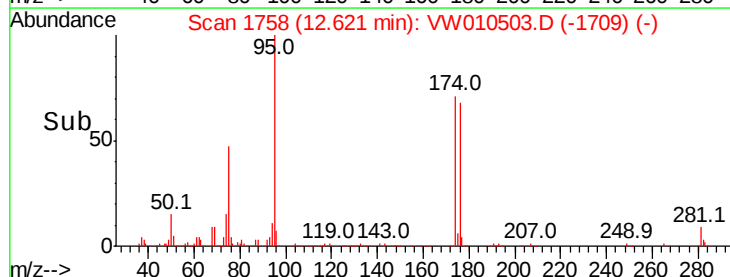
60000

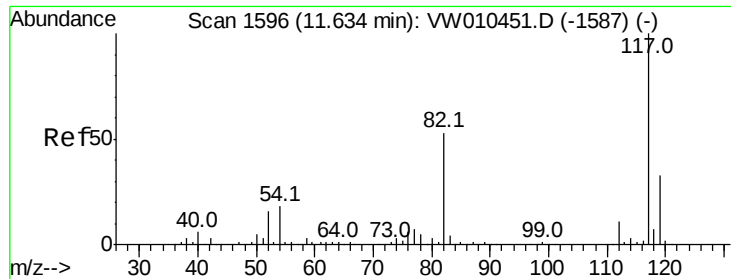
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

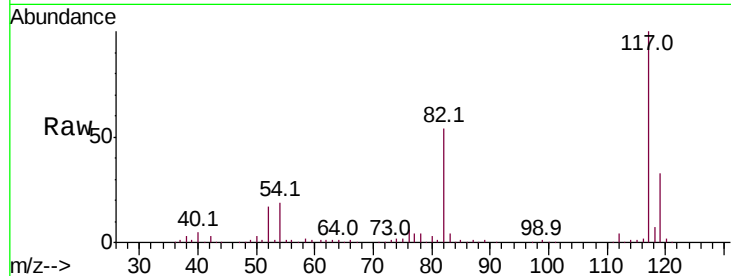
ClientSampleId :

VW0522SBSD01

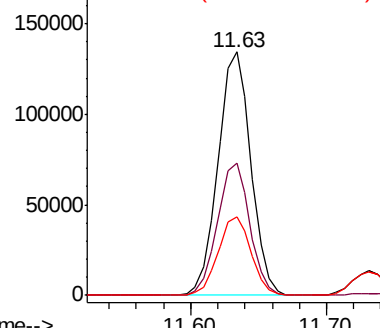
Tot Ion:	117	Resp:	227435
Ion Ratio	Lower	Upper	
117	100		
82	54.1	42.8	64.2
119	32.5	26.3	39.5

Manual Integrations
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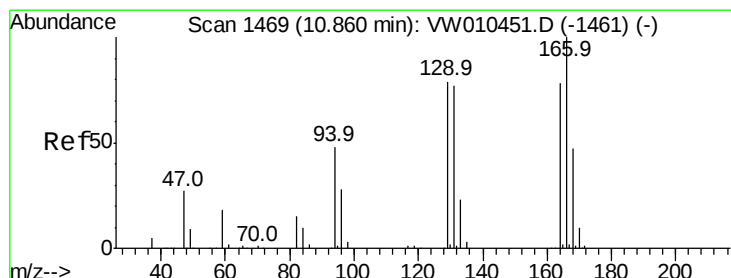
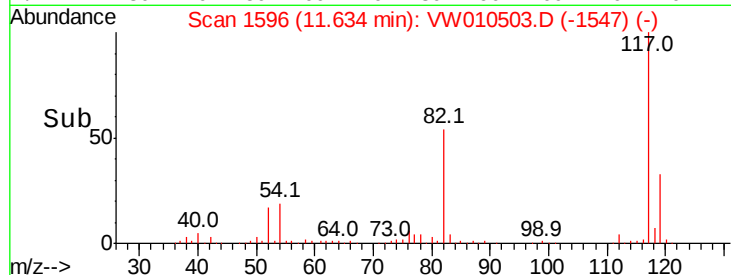
MMDadoda
5/23/2019 11:42:20 AM



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V



Time-->



#64

Tetrachloroethene

Concen: 20.041 ug/l

RT: 10.87 min Scan# 1470

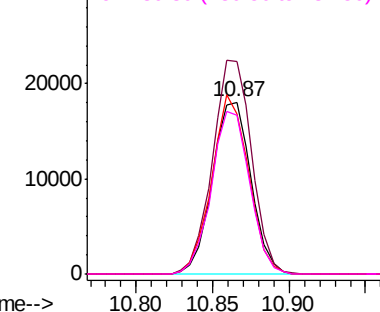
Delta R.T. 0.01 min

Lab File: VW010503.D

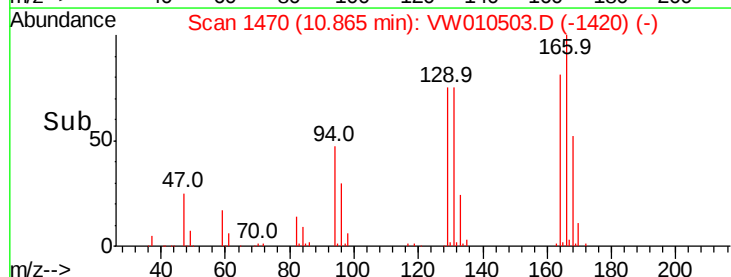
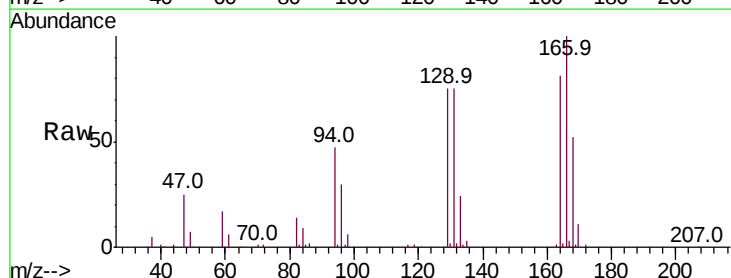
Acq: 22 May 2019 11:57

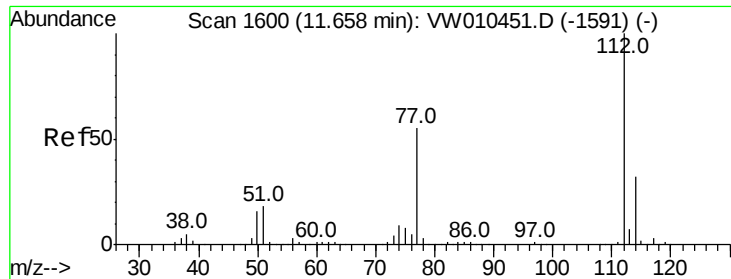
Tgt Ion:	164	Resp:	31773
Ion Ratio	Lower	Upper	
164	100		
166	124.0	101.9	152.9
129	93.4	80.6	121.0
131	92.7	78.2	117.2

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



Time-->





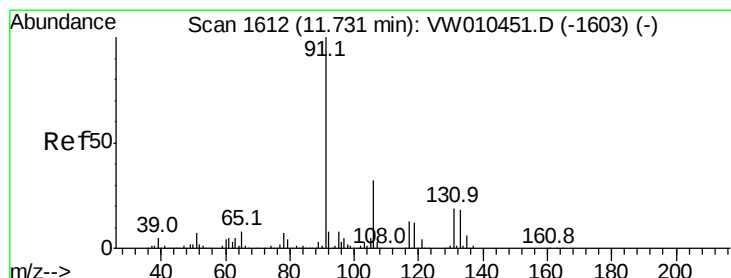
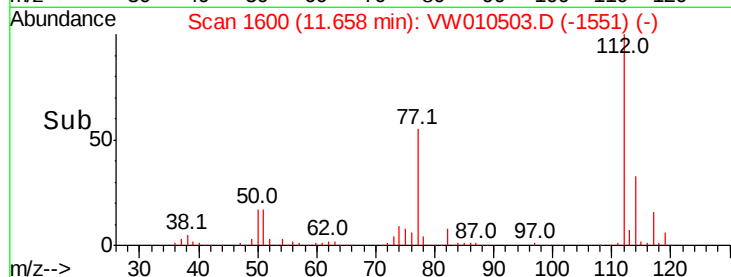
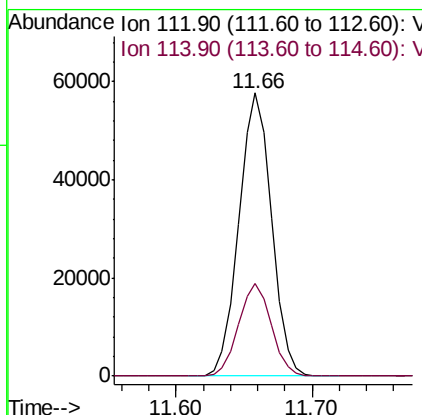
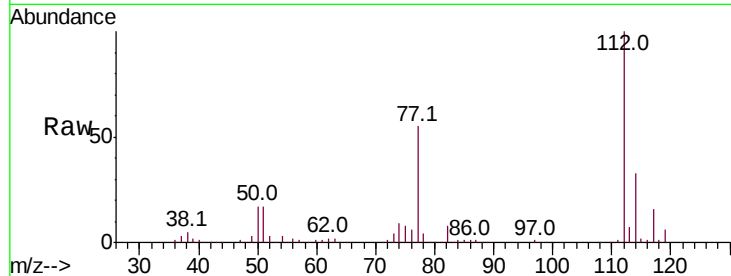
#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion:112 Resp: 96497
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9

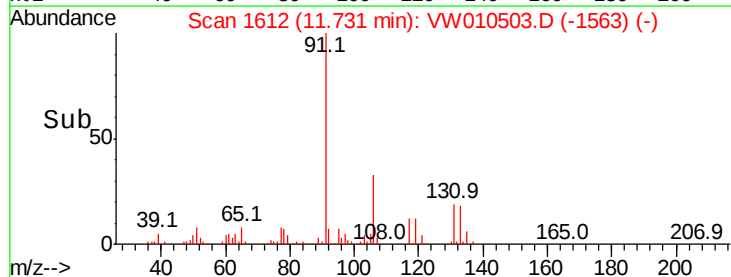
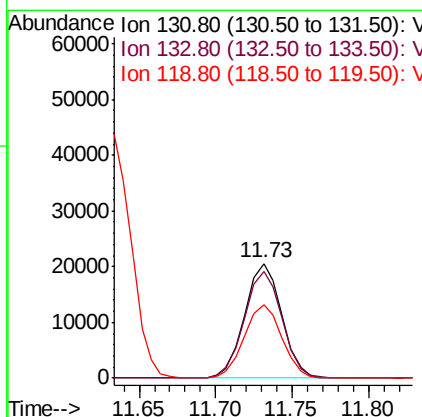
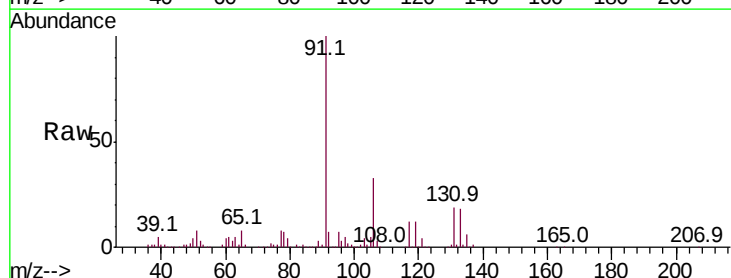
Manual Integrations
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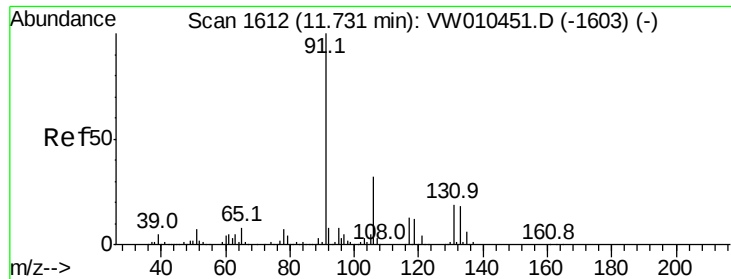
MMDadoda
5/23/2019 11:42:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.947 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:131 Resp: 34636
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 64.8 32.1 96.5





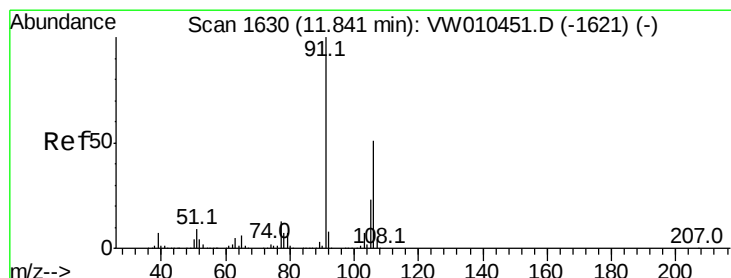
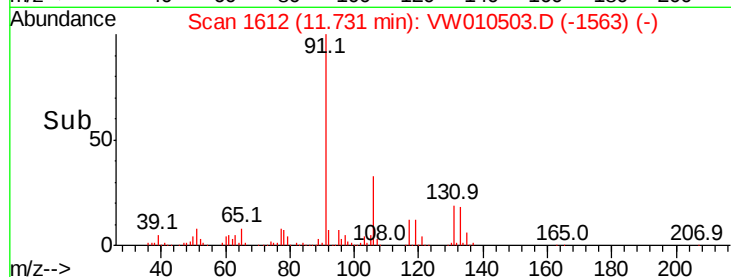
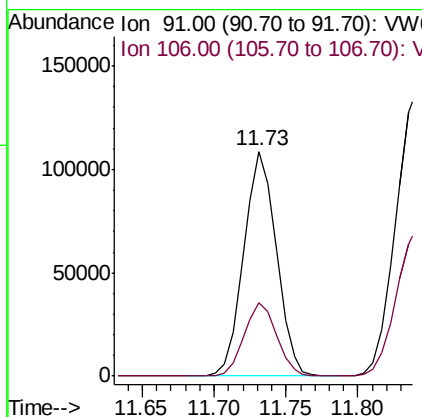
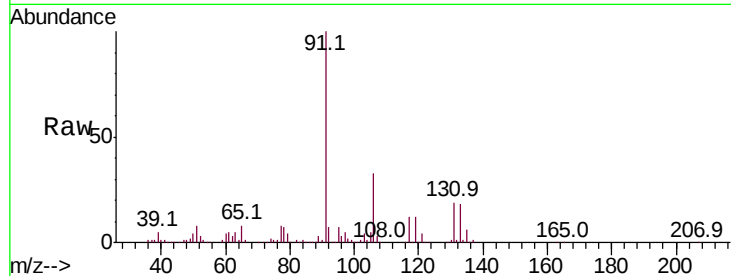
#67
Ethyl Benzene
Concen: 19.933 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion: 91 Resp: 170586
Ion Ratio Lower Upper
91 100
106 32.9 25.9 38.9

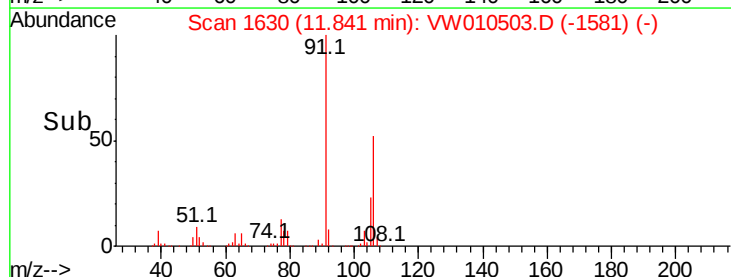
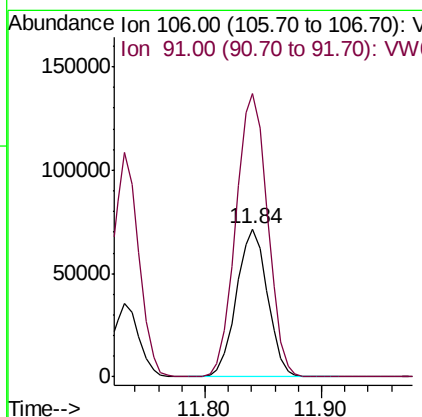
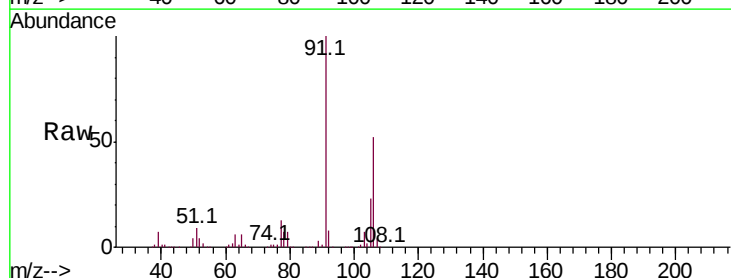
Manual Integrations
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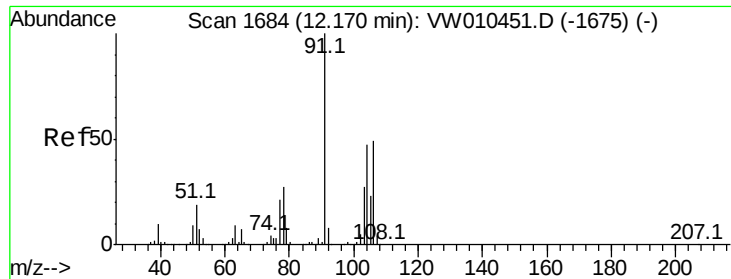
MMDadoda
5/23/2019 11:42:20 AM



#68
m/p-Xylenes
Concen: 39.650 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 106 Resp: 133093
Ion Ratio Lower Upper
106 100
91 196.1 156.0 234.0





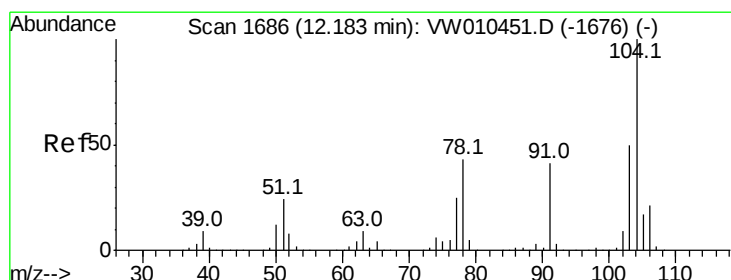
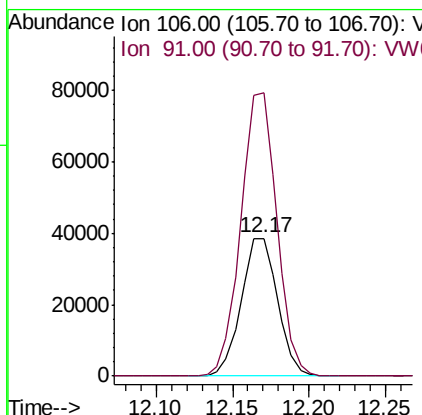
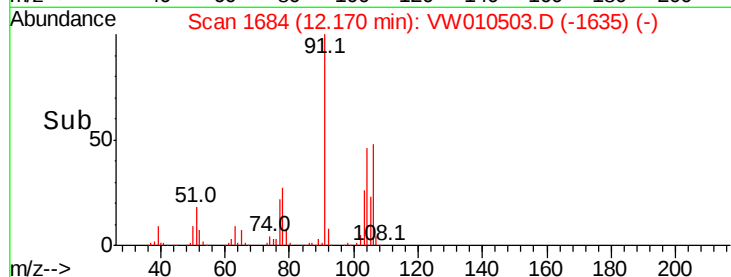
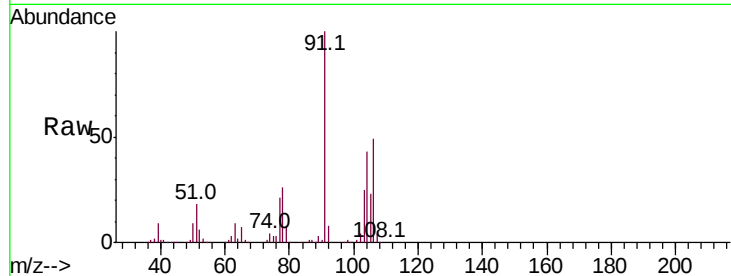
#69
o-Xylene
Concen: 20.013 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBS01

Tot Ion:106 Resp: 63647
Ion Ratio Lower Upper
106 100
91 204.4 103.2 309.4

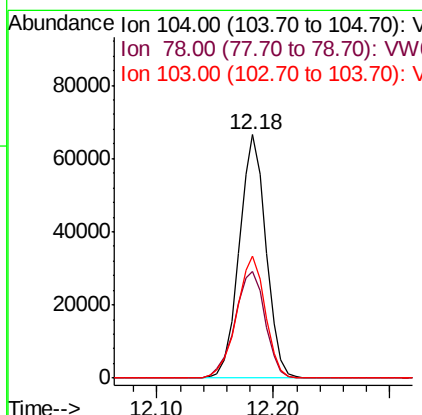
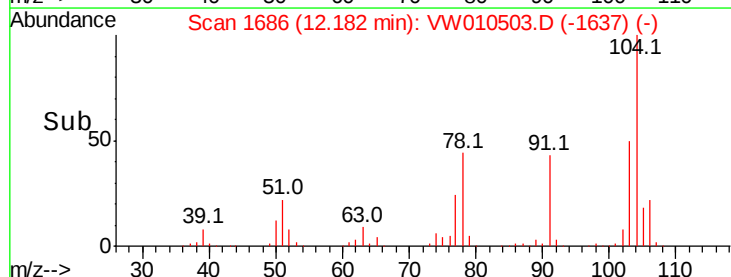
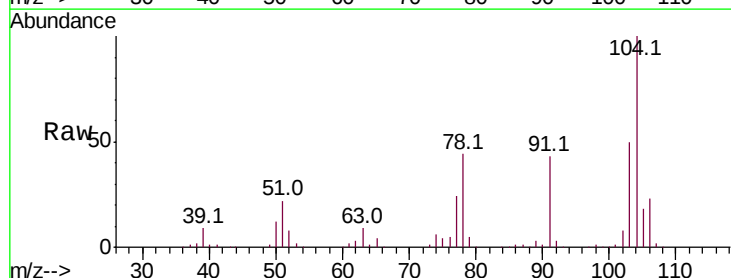
Manual Integrations
APPROVED

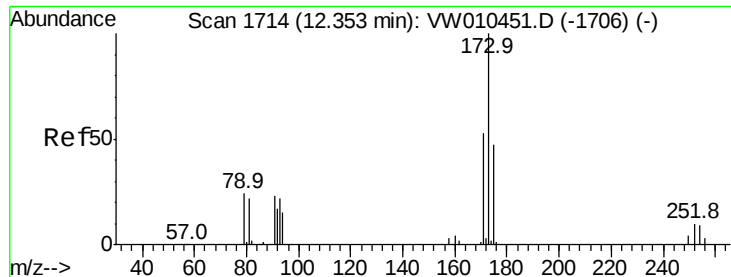
MMDadoda
5/23/2019 11:42:20 AM



#70
Styrene
Concen: 19.639 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion:104 Resp: 105974
Ion Ratio Lower Upper
104 100
78 49.6 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 17.374 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

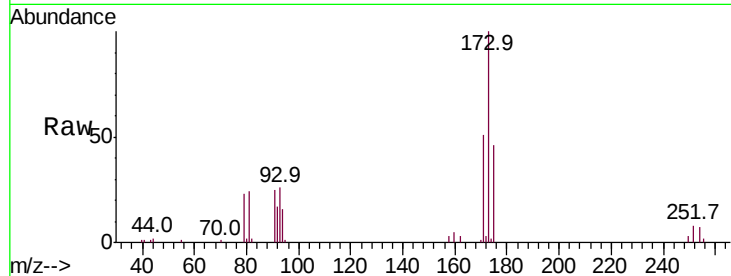
ClientSampleId :

VW0522SBSD01

Tot Ion:	173	Resp:	16613
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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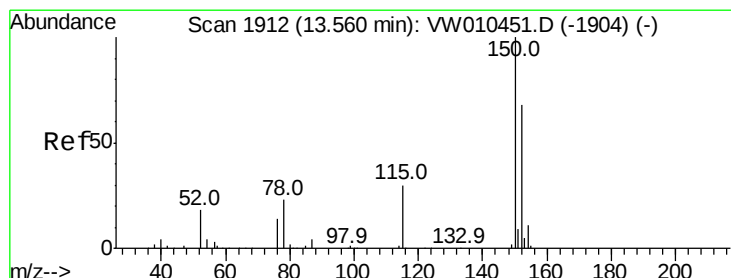
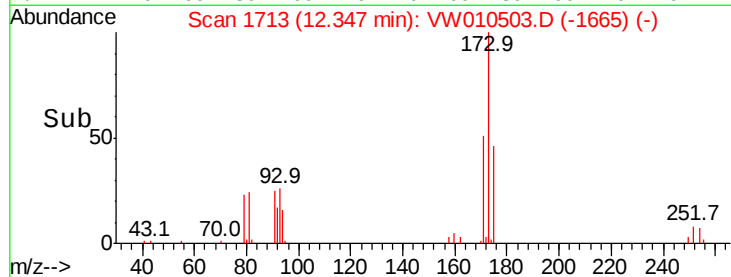
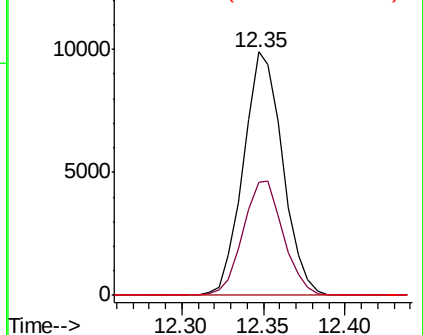
MMDadoda
5/23/2019 11:42:20 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

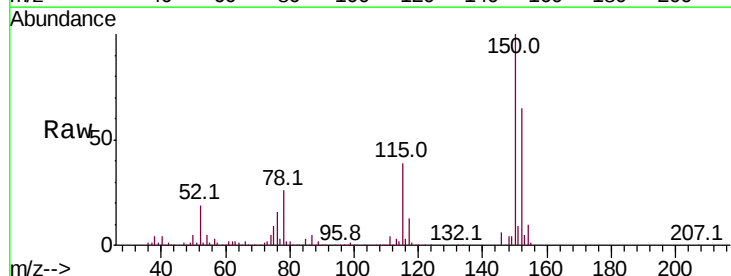
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

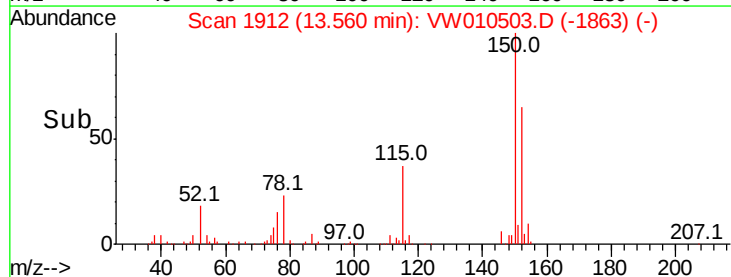
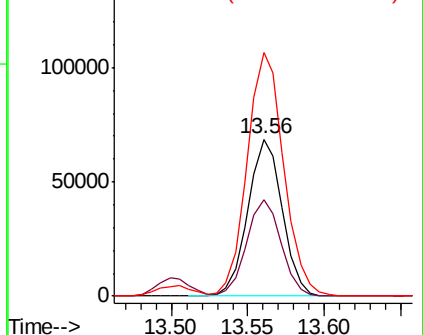
Tgt Ion:	152	Resp:	107540
Ion Ratio	Lower	Upper	
152	100		
115	61.6	30.3	91.0
150	164.8	0.0	349.8

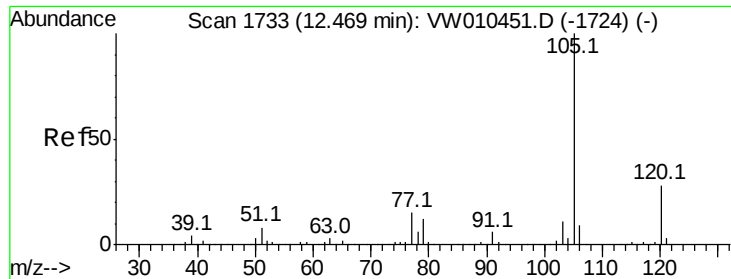


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





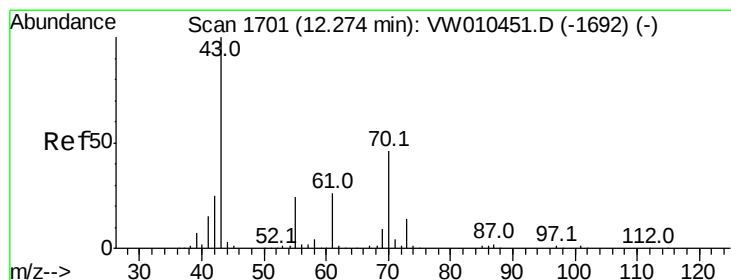
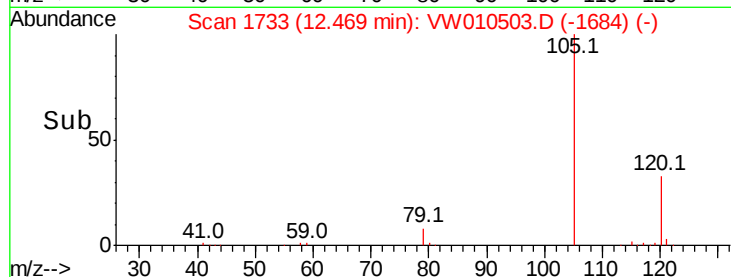
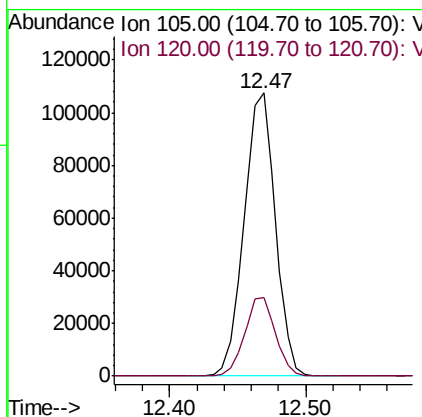
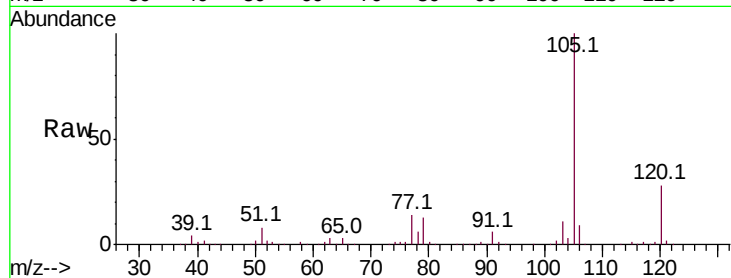
#73
Isopropylbenzene
Concen: 20.276 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion: 105 Resp: 173026
Ion Ratio Lower Upper
105 100
120 27.4 13.9 41.7

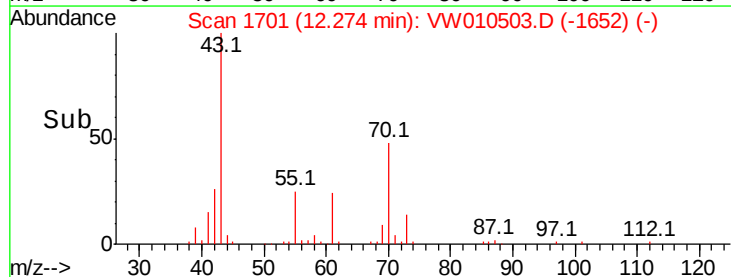
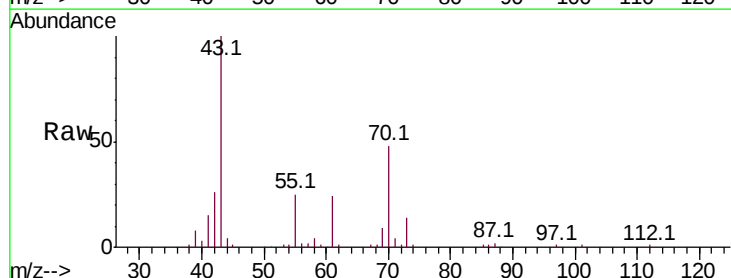
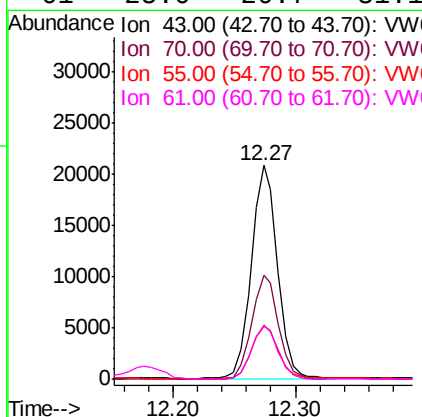
Manual Integrations
APPROVED

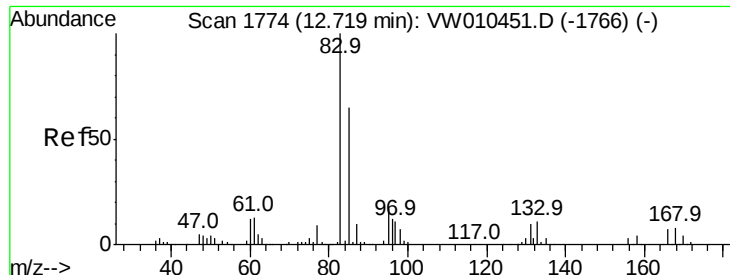
MMDadoda
5/23/2019 11:42:20 AM



#74
N-ethyl acetate
Concen: 16.019 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion: 43 Resp: 31325
Ion Ratio Lower Upper
43 100
70 48.9 37.1 55.7
55 25.7 19.6 29.4
61 25.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.695 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

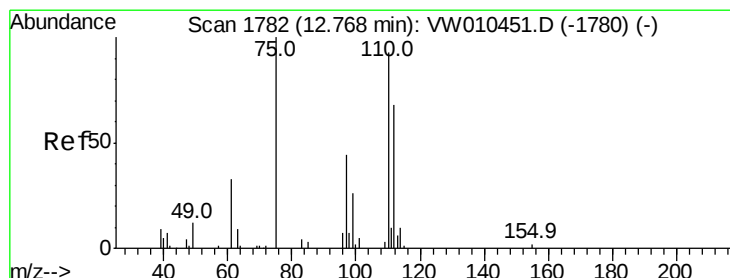
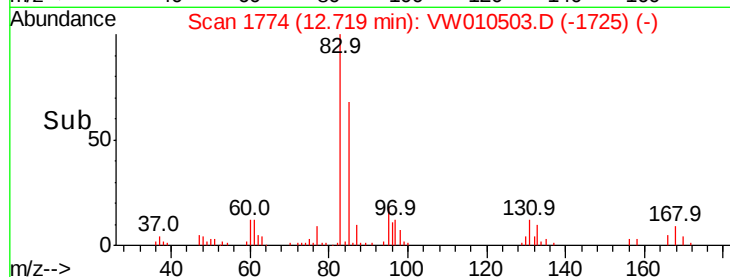
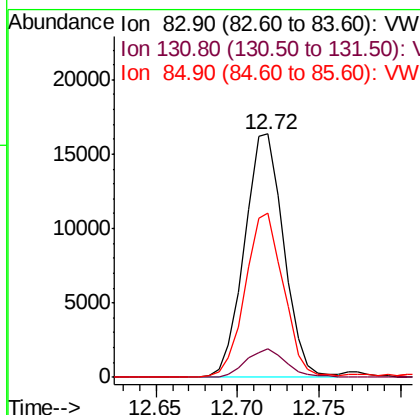
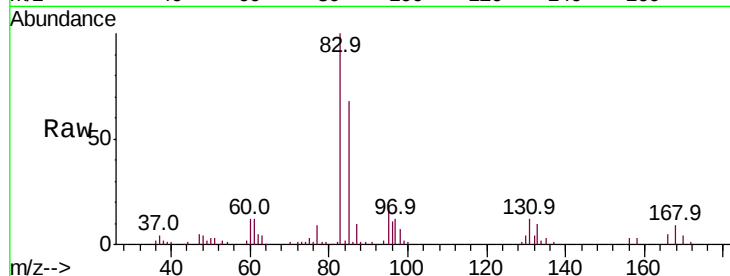
ClientSampleId :

VW0522SBS01

Tot Ion:	83	Resp:	27466
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.6	16.8
85	65.8	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 11:42:20 AM



#76

1,2,3-Trichloropropane

Concen: 18.260 ug/l m

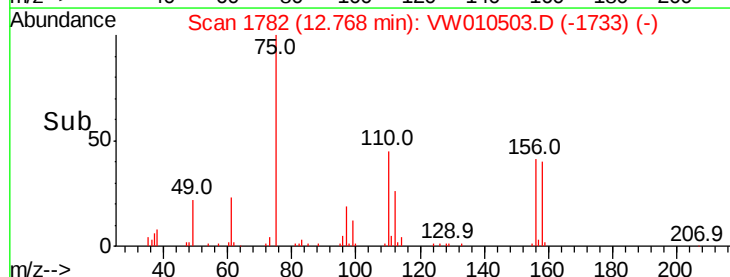
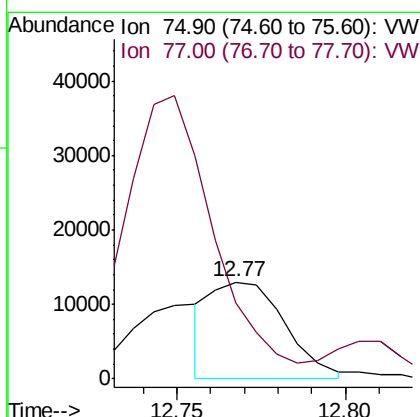
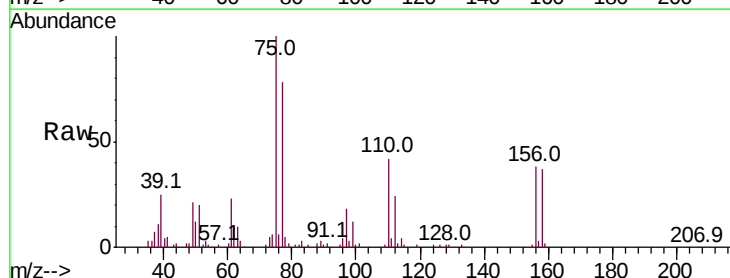
RT: 12.77 min Scan# 1782

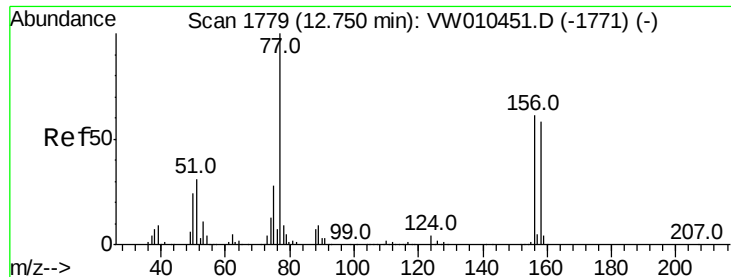
Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion:	75	Resp:	19933
Ion Ratio	Lower	Upper	
75	100		
77	355.9	170.0	510.1





#77

Bromobenzene

Concen: 19.923 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion:156 Resp: 38046

Ion Ratio Lower Upper

156 100

77 186.5 92.4 277.2

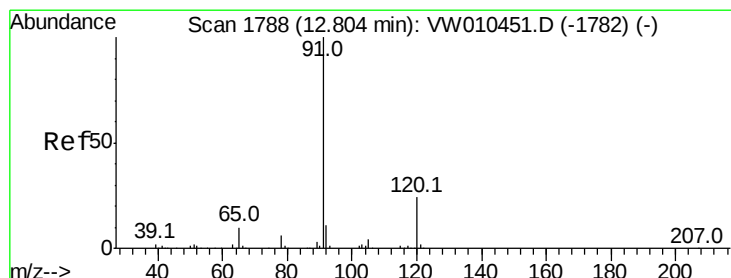
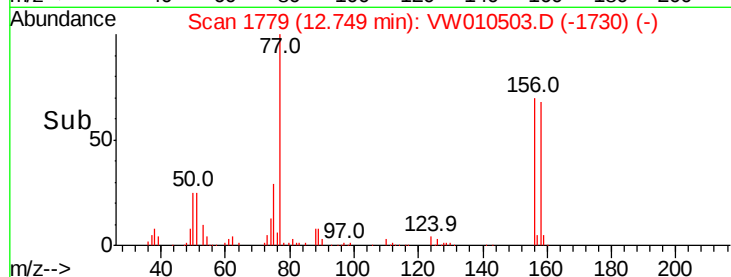
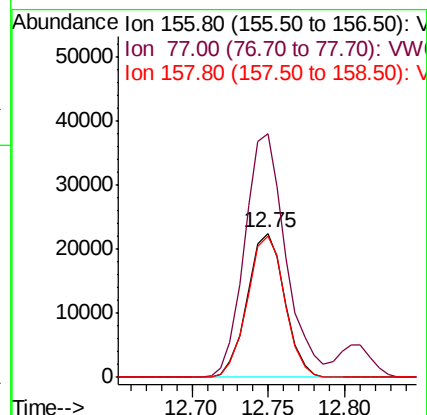
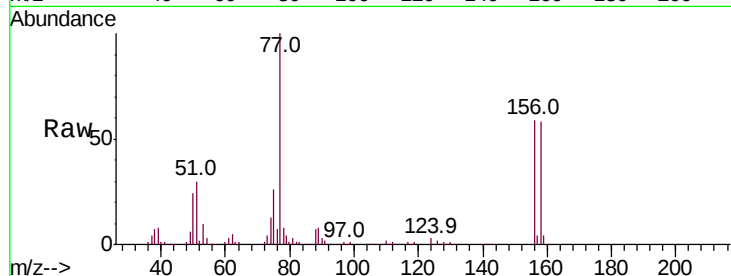
158 98.2 48.3 144.8

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#78

n-propylbenzene

Concen: 19.991 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010503.D

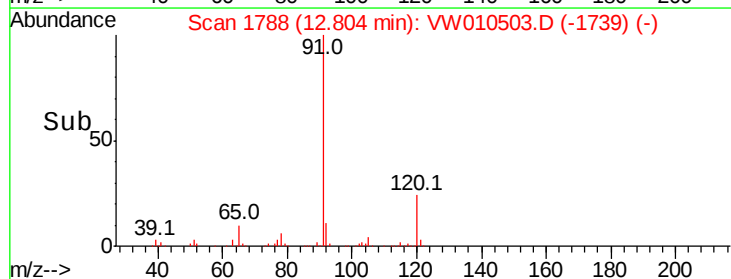
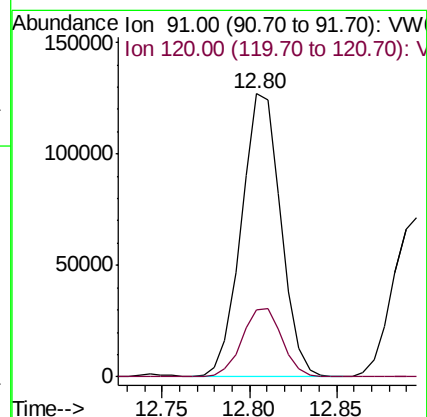
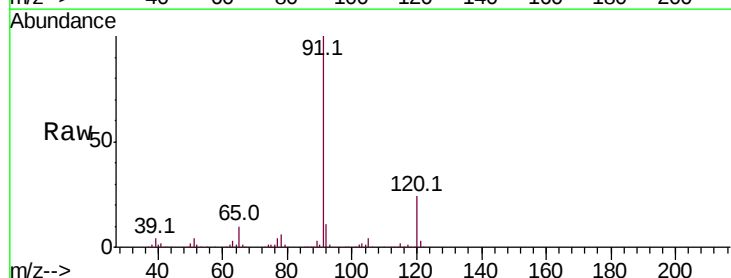
Acq: 22 May 2019 11:57

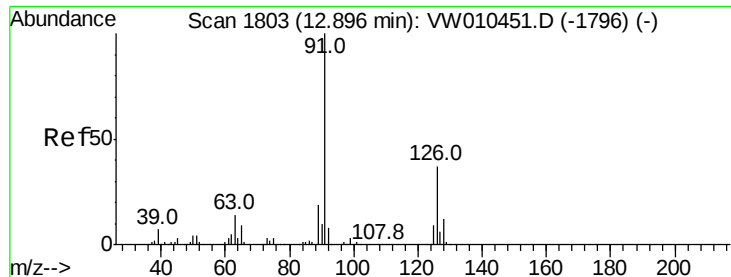
Tgt Ion: 91 Resp: 198809

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.8





#79

2-Chlorotoluene

Concen: 20.160 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VW0522SBS01

Tot Ion: 91 Resp: 116269

Ion Ratio Lower Upper

91 100

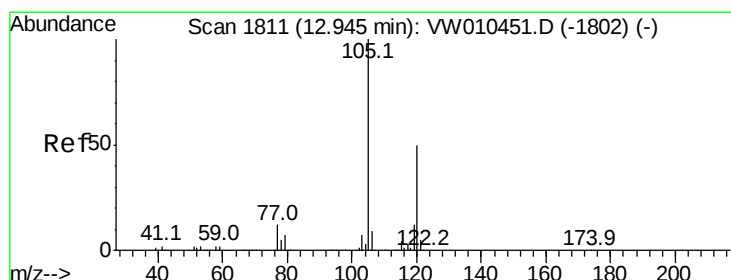
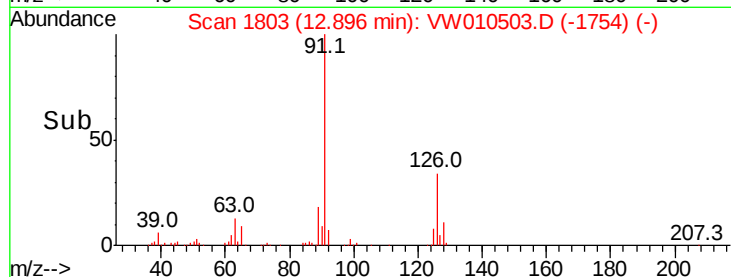
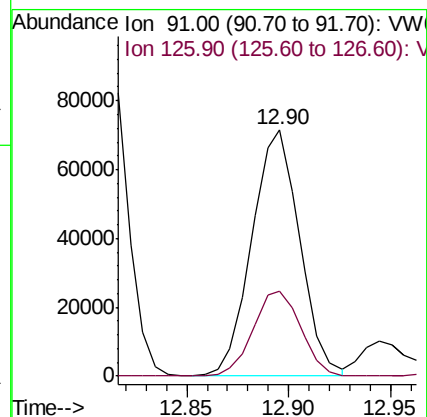
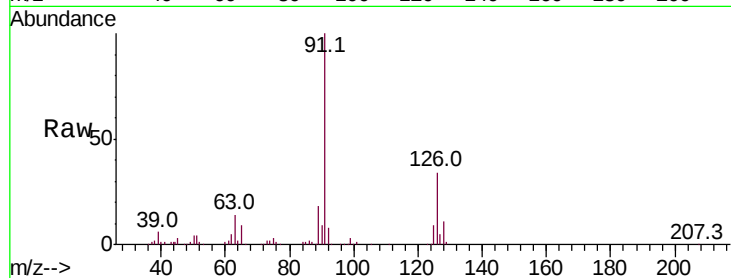
126 34.8 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.289 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010503.D

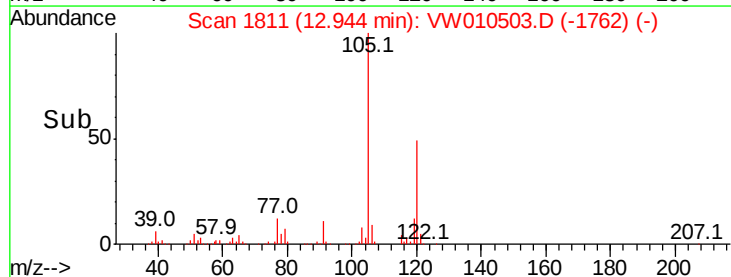
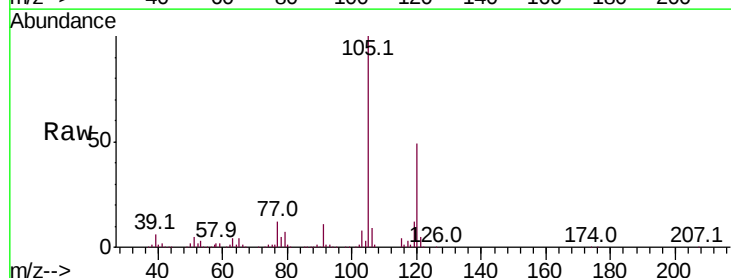
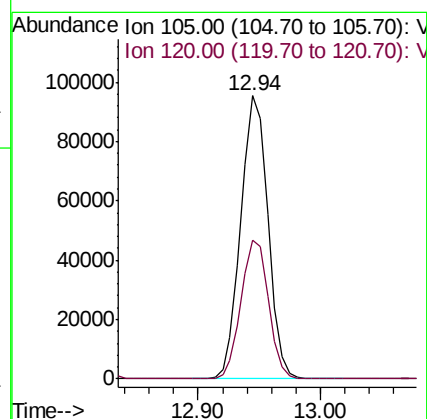
Acq: 22 May 2019 11:57

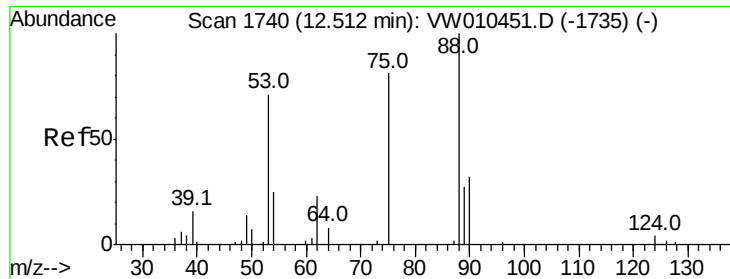
Tgt Ion:105 Resp: 146639

Ion Ratio Lower Upper

105 100

120 49.5 25.2 75.6





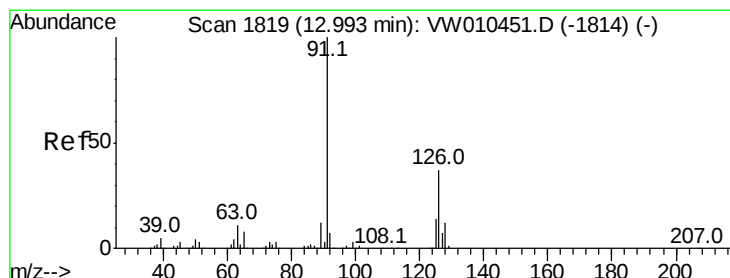
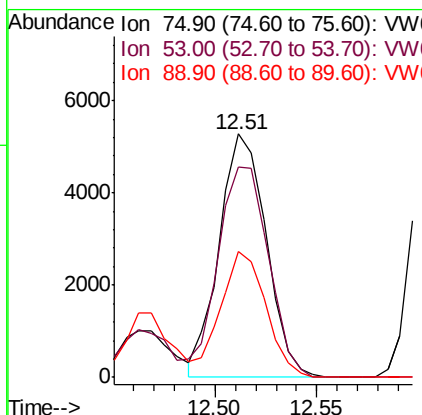
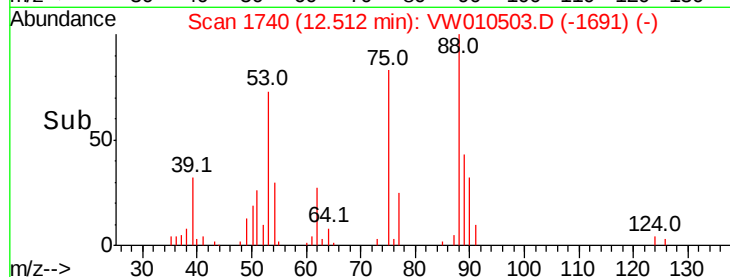
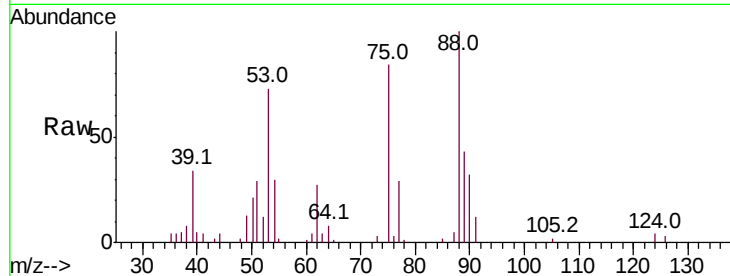
#81
trans-1,4-Dichloro-2-butene
Concen: 16.148 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	69.8	104.8
89	50.0	39.5	59.3

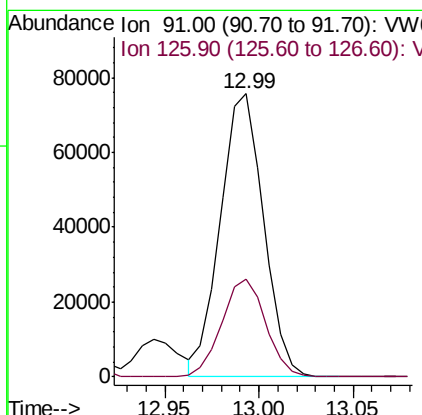
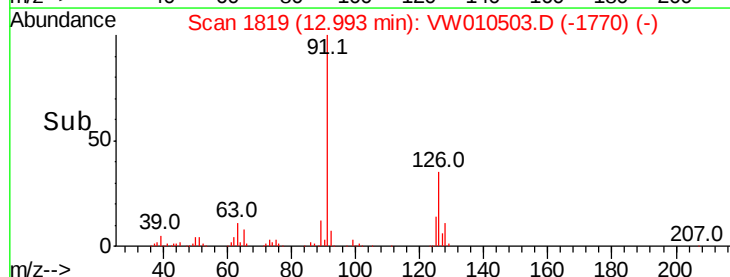
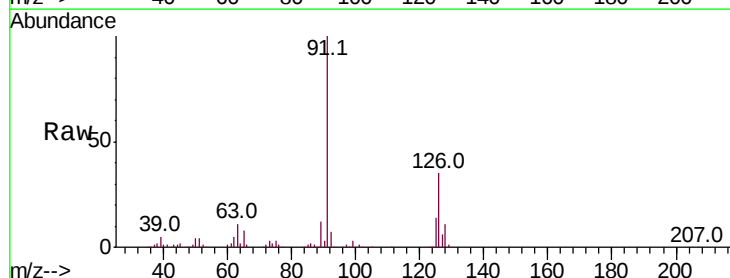
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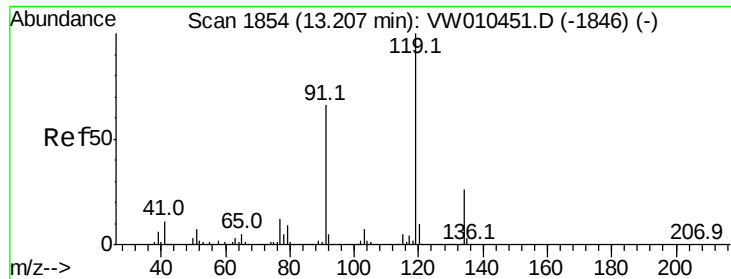
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#82
4-Chlorotoluene
Concen: 20.085 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





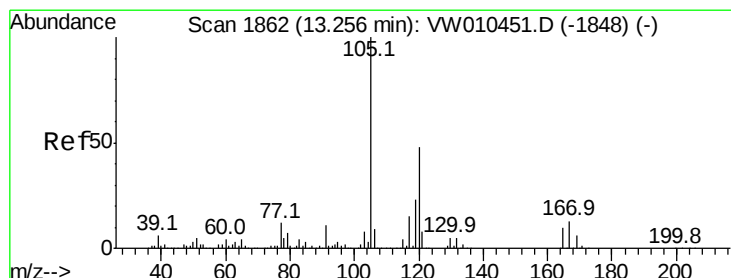
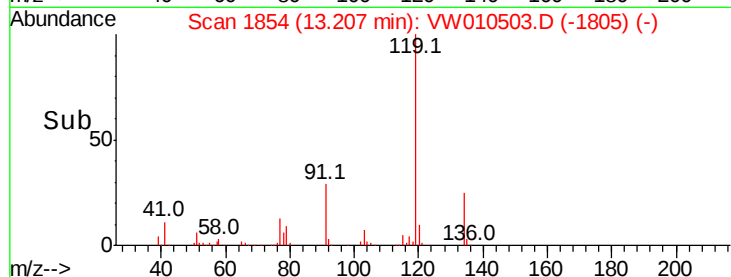
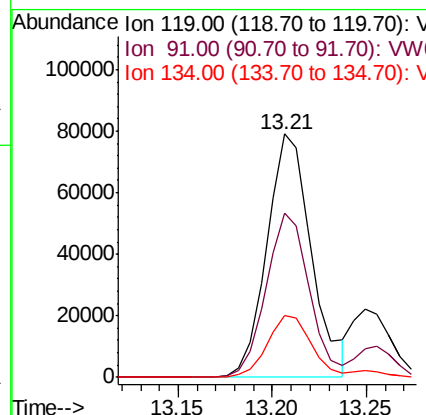
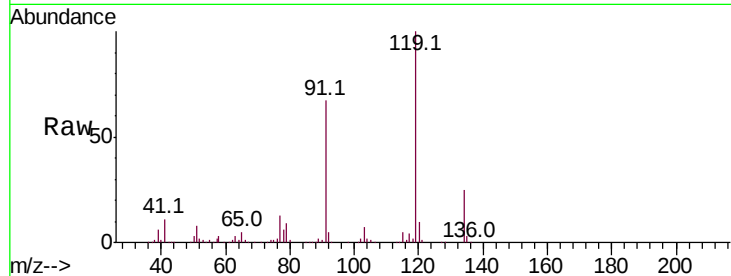
#83
 tert-Butylbenzene
 Concen: 20.518 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129537		
91	65.2	33.1	99.5	
134	25.5	13.9	41.6	

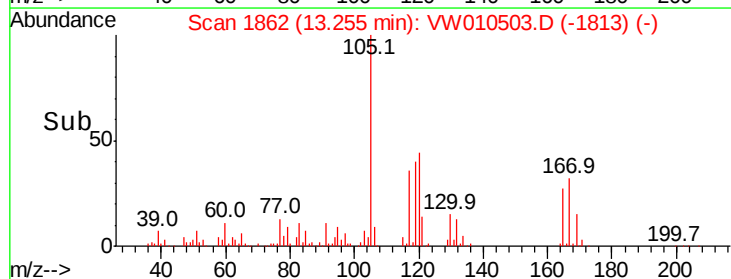
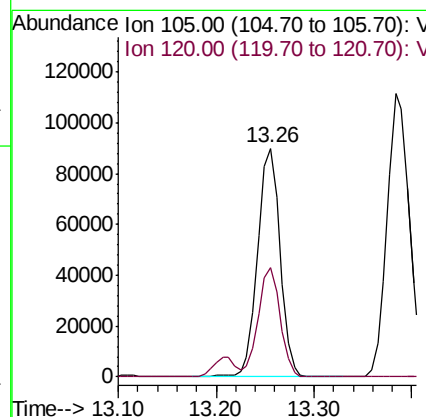
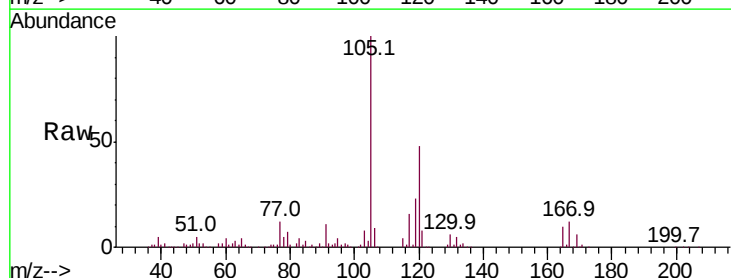
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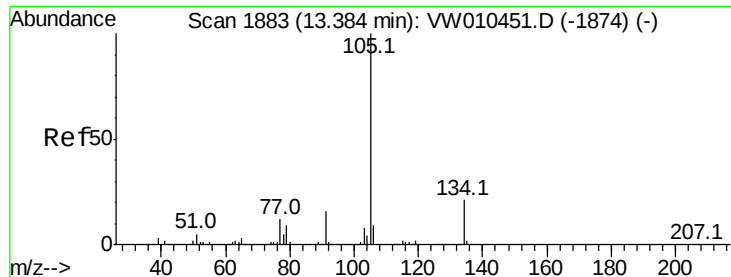
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.907 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143296		
120	46.8	23.4	70.2	





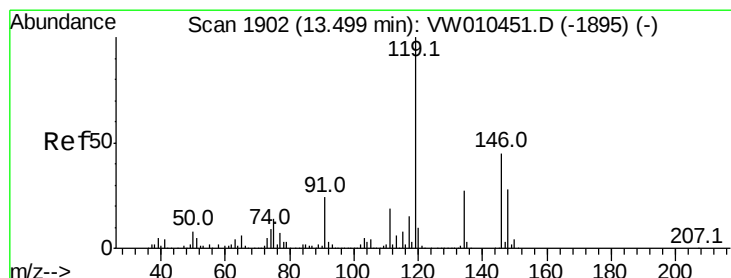
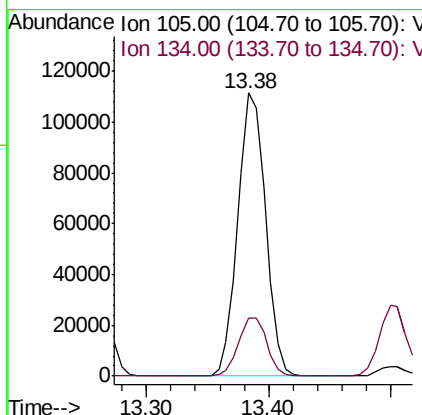
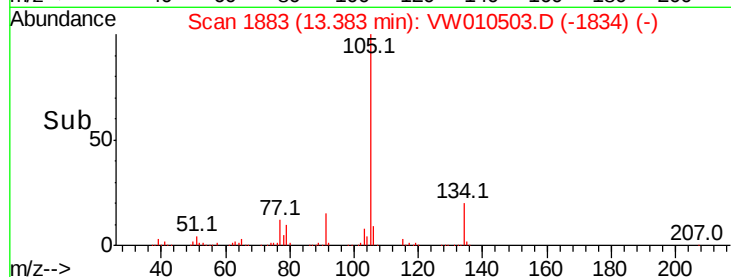
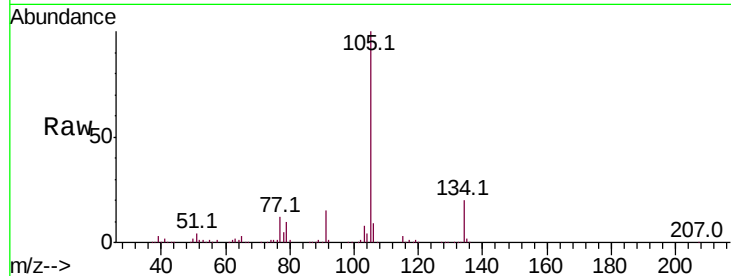
#85
 sec-Butylbenzene
 Concen: 19.817 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.6

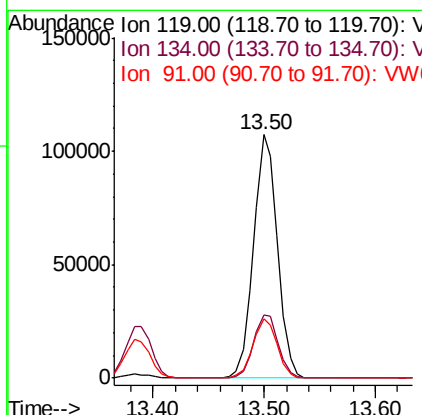
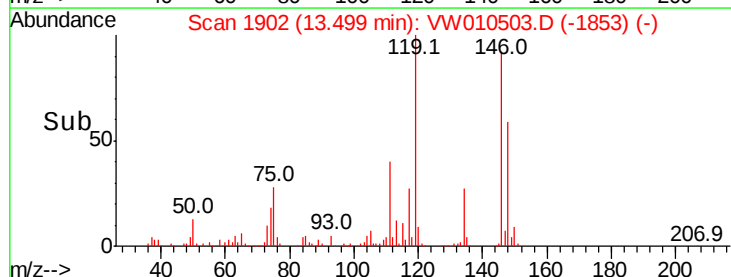
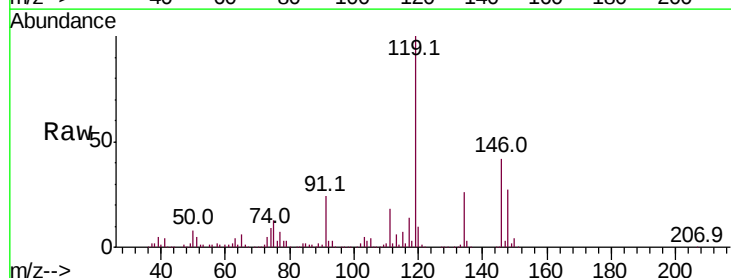
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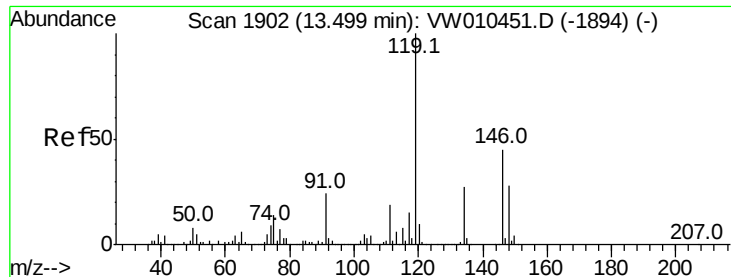
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#86
 p-Isopropyltoluene
 Concen: 20.044 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	24.6	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 19.842 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

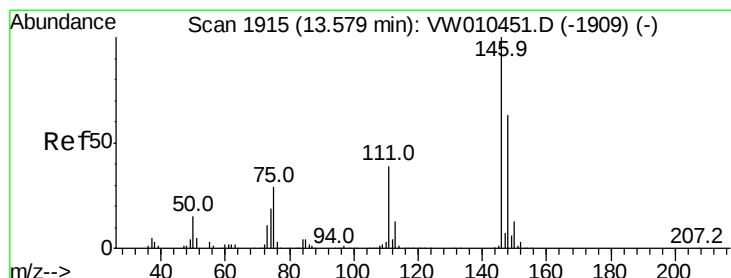
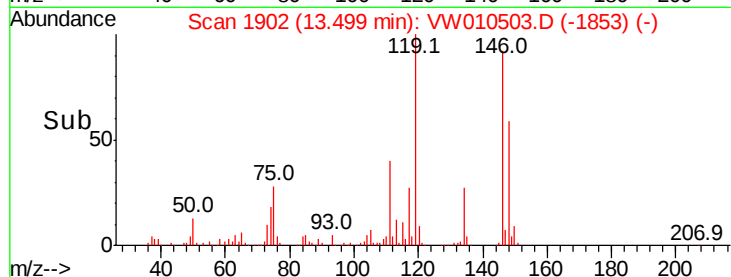
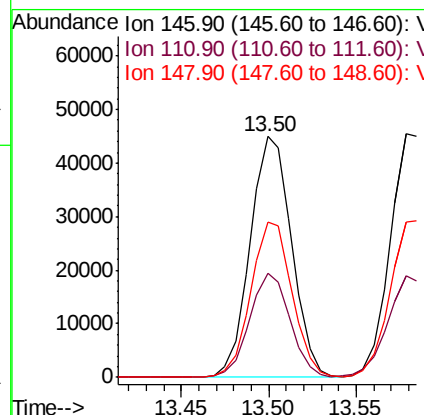
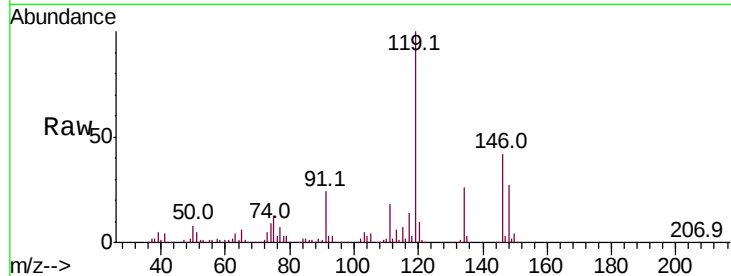
Instrument :
MSVOA_W

ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	60.9
148	64.1	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 19.828 ug/l

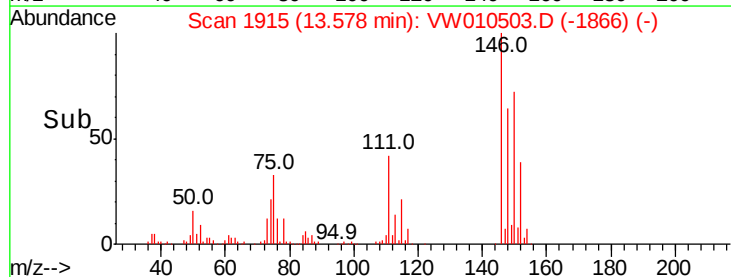
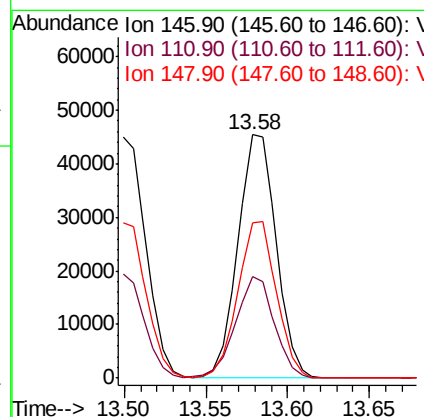
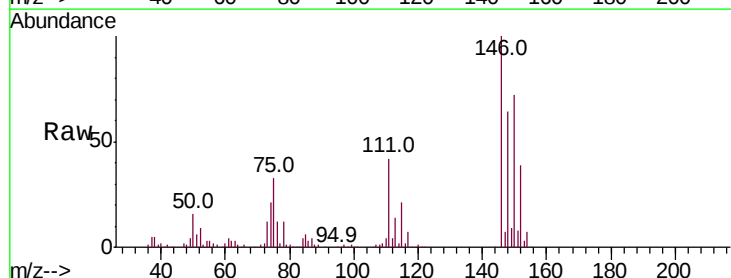
RT: 13.58 min Scan# 1915

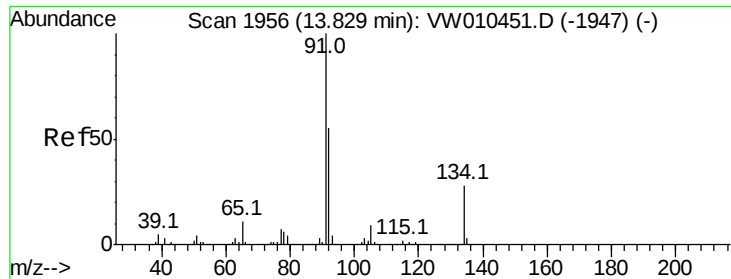
Delta R.T. -0.00 min

Lab File: VW010503.D

Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.9	59.6
148	64.4	31.6	94.8





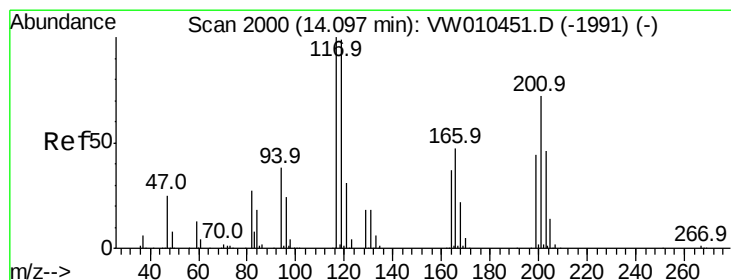
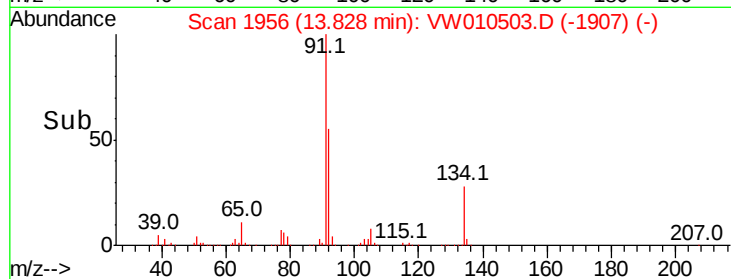
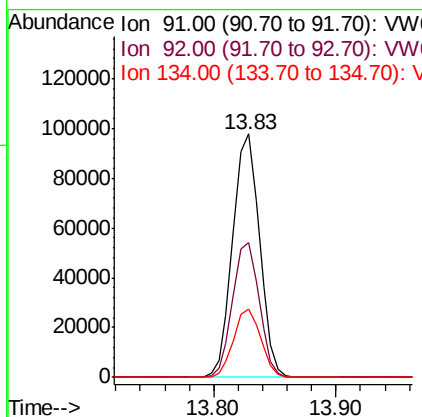
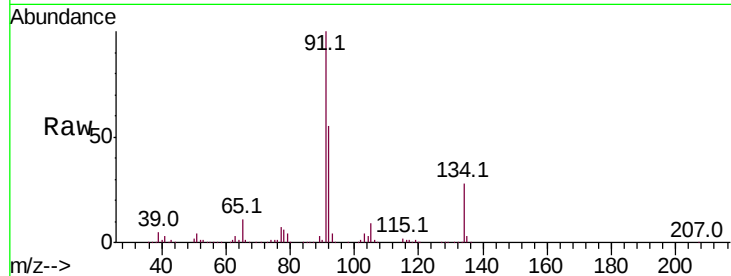
#89
n-Butylbenzene
Concen: 19.491 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.2	27.7	83.1	
134	28.3	13.9	41.6	

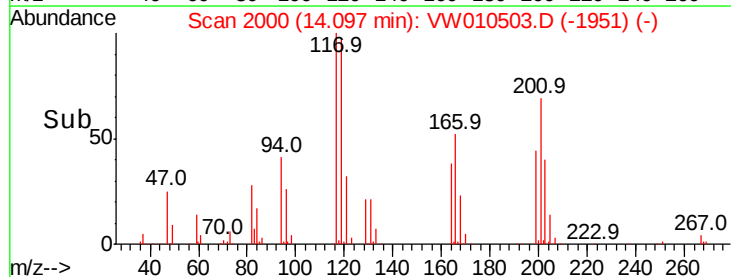
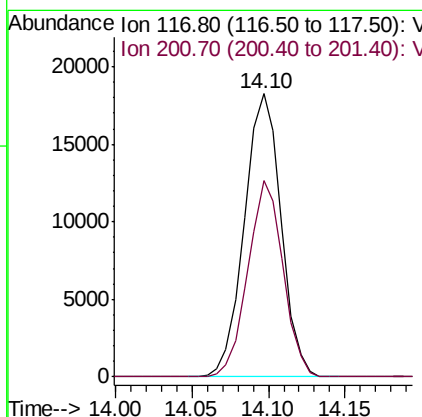
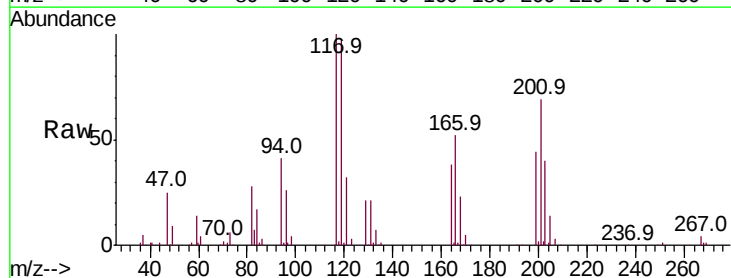
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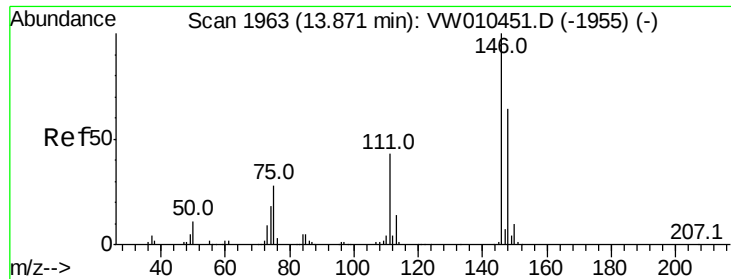
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#90
Hexachloroethane
Concen: 19.647 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.4	34.6	103.8	





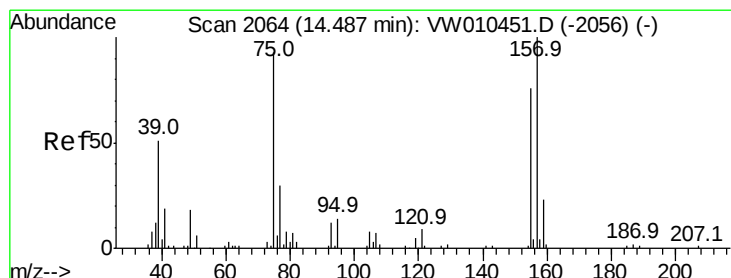
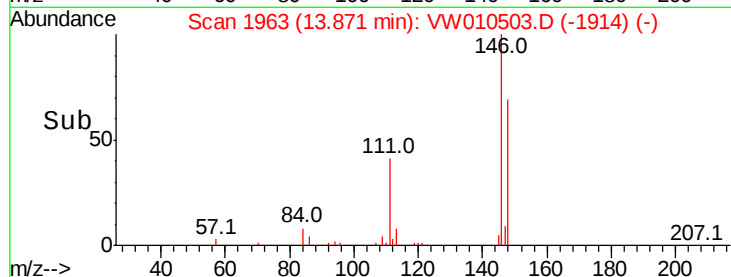
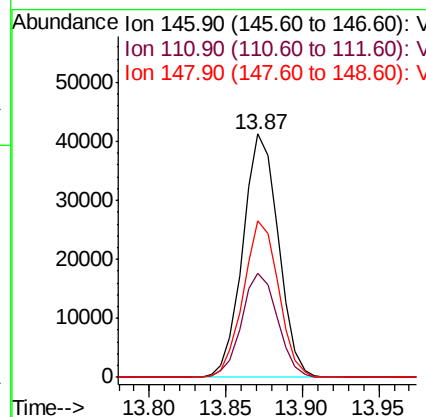
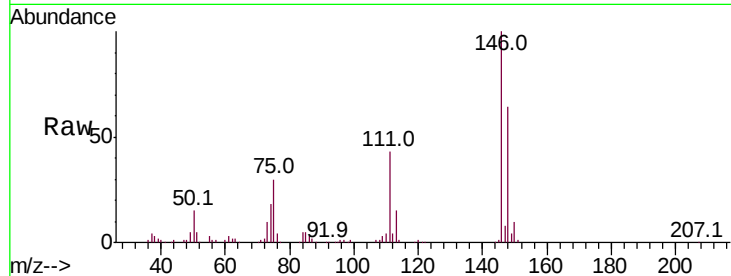
#91
 1,2-Dichlorobenzene
 Concen: 19.531 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	64.0	32.0	96.0

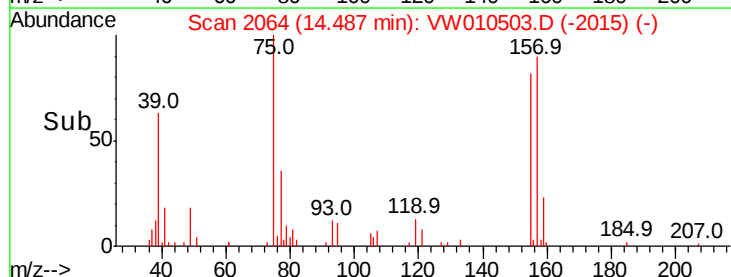
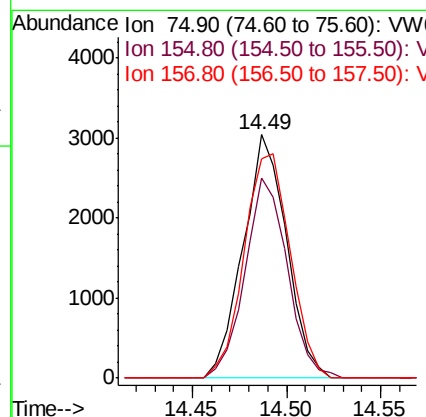
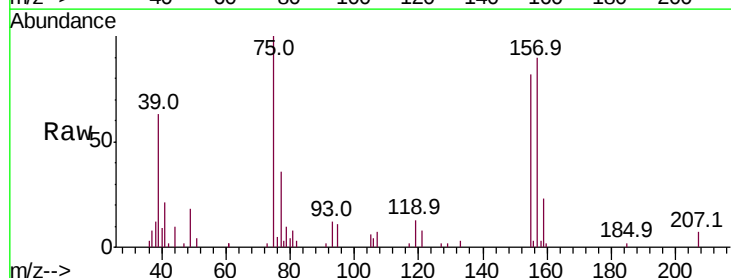
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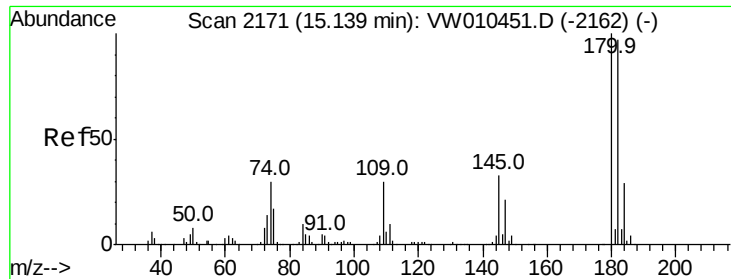
MMDadoda
 5/23/2019 11:42:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.787 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	43.0	129.0
157	98.0	55.7	167.1





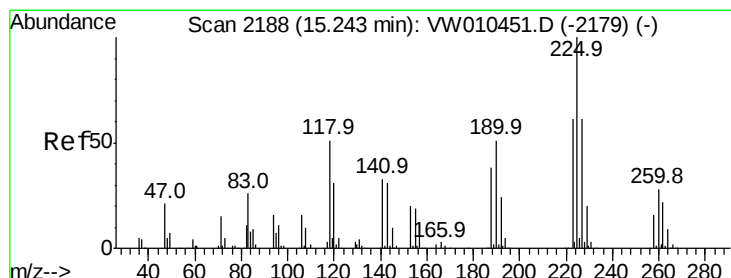
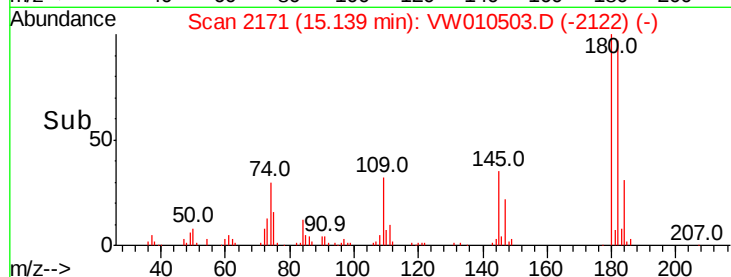
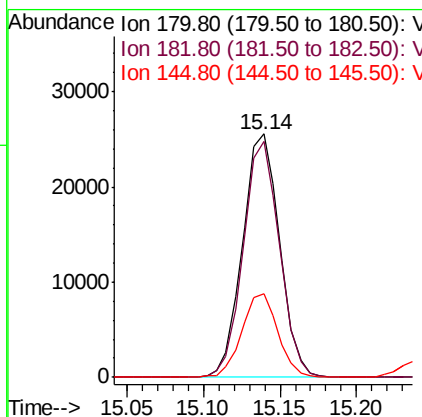
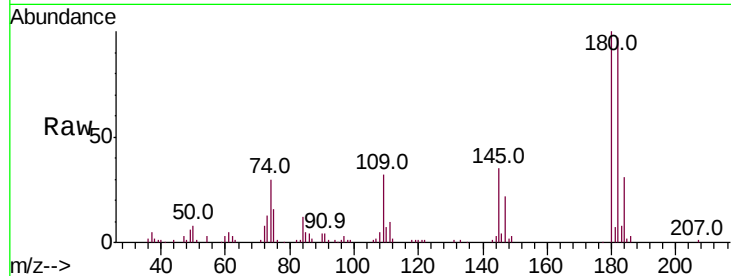
#93
 1,2,4-Trichlorobenzene
 Concen: 18.554 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	47.0	141.2	
145	33.4	16.7	50.0	

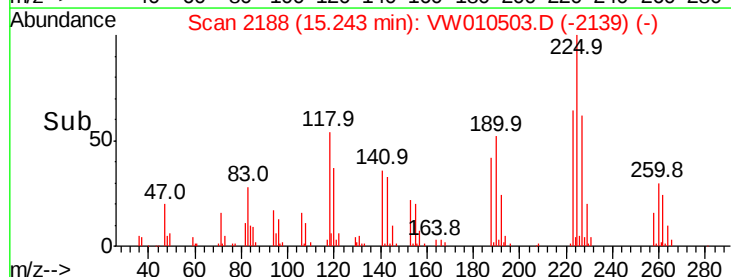
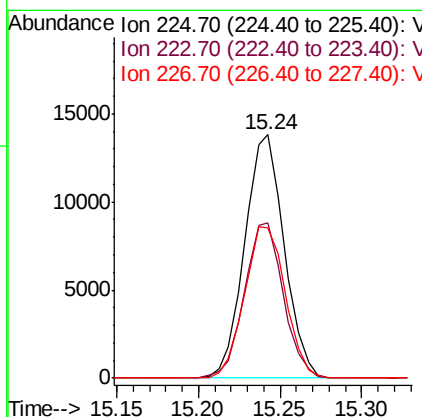
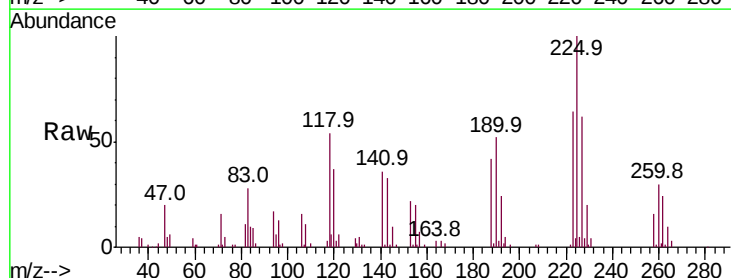
Manual Integrations
 APPROVED

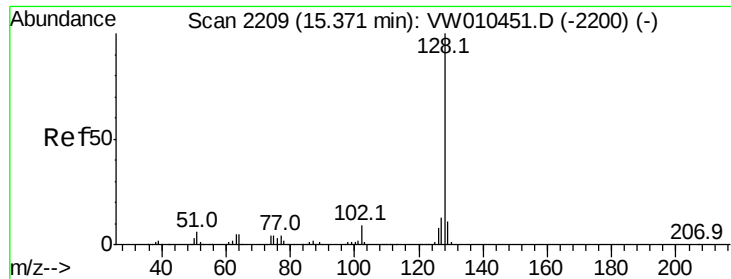
MMDadoda
 5/23/2019 11:42:20 AM



#94
 Hexachlorobutadiene
 Concen: 18.687 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010503.D
 Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.2	
227	64.4	31.1	93.5	





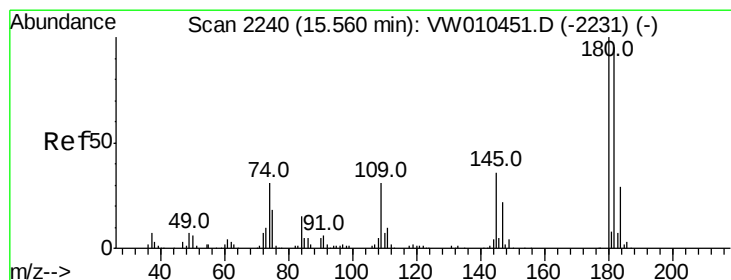
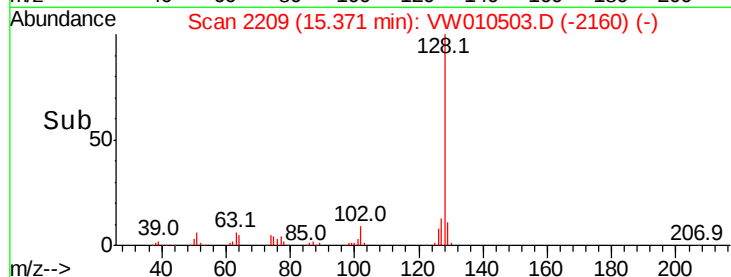
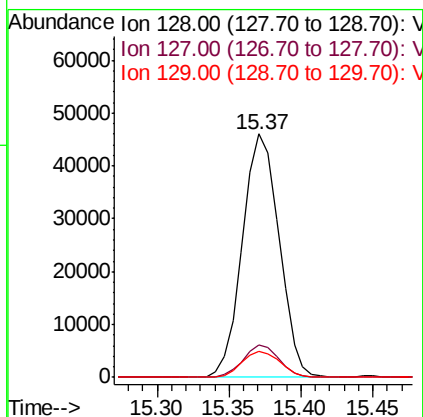
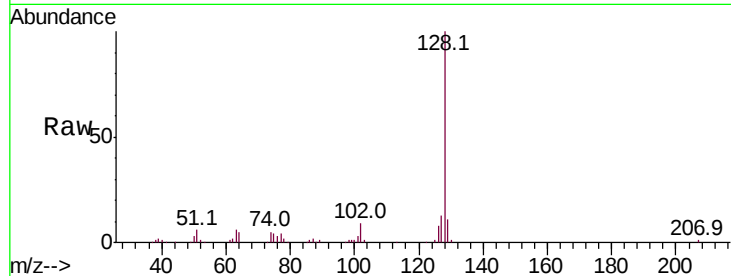
#95
Naphthalene
Concen: 16.708 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VW0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	81461		
127	12.9	10.6	15.8	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
5/23/2019 11:42:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.175 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010503.D
Acq: 22 May 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	36324		
182	95.3	47.1	141.3	
145	35.9	17.4	52.3	

