

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010566.D
 Acq On : 28 May 2019 14:44
 Operator : SY/VA
 Sample : K3066-03MS
 Misc : 5.45G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:41 AM

Quant Time: May 29 07:29:46 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	129606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	218376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	62350	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.88	113	67569	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.32	98	259221	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.62	95	98949	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	57018	49.378	ug/l	97
3) Chloromethane	2.21	50	63075	46.320	ug/l	100
4) Vinyl Chloride	2.35	62	70774	44.870	ug/l	100
5) Bromomethane	2.73	94	52107	48.020	ug/l	97
6) Chloroethane	2.90	64	44128	43.581	ug/l	100
7) Trichlorofluoromethane	3.24	101	124065	53.276	ug/l	96
8) Diethyl Ether	3.68	74	38969	52.790	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	74607	52.023	ug/l	96
10) Methyl Iodide	4.27	142	85062	51.893	ug/l	96
11) Tert butyl alcohol	5.17	59	29970	249.065	ug/l	98
12) 1,1-Dichloroethene	4.03	96	73118	53.411	ug/l	98
13) Acrolein	3.89	56	17632	251.616	ug/l	100
14) Allyl chloride	4.67	41	103105	52.031	ug/l	99
15) Acrylonitrile	5.37	53	71719	231.986	ug/l	97
16) Acetone	4.12	43	68180	249.684	ug/l	100
17) Carbon Disulfide	4.37	76	208342	51.023	ug/l	100
18) Methyl Acetate	4.67	43	39363	58.941	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	179531	51.442	ug/l	95
20) Methylene Chloride	4.91	84	86974	54.767	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	84363	53.726	ug/l	96
22) Diisopropyl ether	6.31	45	213336	52.504	ug/l	96
23) Vinyl Acetate	6.26	43	565381	232.943	ug/l	100
24) 1,1-Dichloroethane	6.21	63	131370	54.179	ug/l	99
25) 2-Butanone	7.17	43	90040	230.410	ug/l	100
26) 2,2-Dichloropropane	7.16	77	120928	52.357	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	94157	55.155	ug/l	97
28) Bromochloromethane	7.51	49	44621	51.398	ug/l	91
29) Tetrahydrofuran	7.53	42	59244	224.042	ug/l	99
30) Chloroform	7.68	83	143316	54.797	ug/l	98
31) Cyclohexane	7.95	56	119236	46.945	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	133964	53.591	ug/l	98
36) 1,1-Dichloropropene	8.08	75	108461	53.317	ug/l	99
37) Ethyl Acetate	7.25	43	39416	45.564	ug/l	97
38) Carbon Tetrachloride	8.07	117	121488	55.361	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	137315	50.382	ug/l	97
40) Benzene	8.32	78	317375	56.131	ug/l	99
41) Methacrylonitrile	7.48	41	22855	44.465	ug/l	99
42) 1,2-Dichloroethane	8.40	62	85974	53.201	ug/l	99
43) Isopropyl Acetate	8.43	43	82683	47.843	ug/l	99
44) Trichloroethene	9.09	130	96084	57.240	ug/l	97
45) 1,2-Dichloropropane	9.37	63	73499	54.733	ug/l	99
46) Dibromomethane	9.46	93	42333	53.905	ug/l	96
47) Bromodichloromethane	9.65	83	107931	54.690	ug/l	98
48) Methyl methacrylate	9.44	41	36913	46.687	ug/l	97
49) 1,4-Dioxane	9.44	88	12819	999.233	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	207169	236.567	ug/l	99
52) Toluene	10.39	92	217845	57.370	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	106225	53.146	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	126125	55.254	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	61047	54.057	ug/l	96
56) Ethyl methacrylate	10.65	69	78350	50.305	ug/l	99
57) 1,3-Dichloropropane	10.93	76	100935	53.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	175340	254.165	ug/l	97
59) 2-Hexanone	10.97	43	144210	230.846	ug/l	98
60) Dibromochloromethane	11.13	129	79201	55.414	ug/l	98
61) 1,2-Dibromoethane	11.24	107	60808	53.155	ug/l	100
64) Tetrachloroethene	10.87	164	77570	56.099	ug/l	92
65) Chlorobenzene	11.66	112	238905	56.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	86375	57.037	ug/l	99
67) Ethyl Benzene	11.73	91	403552	54.069	ug/l	99
68) m/p-Xylenes	11.84	106	320409	109.448	ug/l	98
69) o-Xylene	12.17	106	153057	55.183	ug/l	98
70) Styrene	12.18	104	259976	55.242	ug/l	99
71) Bromoform	12.35	173	43873	52.610	ug/l #	100
73) Isopropylbenzene	12.47	105	402192	51.594	ug/l	99
74) N-amyl acetate	12.27	43	78727	44.072	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	67214	47.405	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	46962m	47.096	ug/l	
77) Bromobenzene	12.75	156	98829	56.653	ug/l	93
78) n-propylbenzene	12.80	91	455465	50.136	ug/l	99
79) 2-Chlorotoluene	12.90	91	271395	51.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	342968	51.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	21864	45.761	ug/l	97
82) 4-Chlorotoluene	12.99	91	280232	51.247	ug/l	98
83) tert-Butylbenzene	13.21	119	291913	50.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	340421	51.770	ug/l	99
85) sec-Butylbenzene	13.38	105	400073	49.572	ug/l	99
86) p-Isopropyltoluene	13.50	119	367148	50.260	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	184007	53.764	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188260	54.824	ug/l	99
89) n-Butylbenzene	13.83	91	332872	47.907	ug/l	99
90) Hexachloroethane	14.10	117	71743	50.740	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	172204	55.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11948	45.319	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	115588	54.477	ug/l	99
94) Hexachlorobutadiene	15.24	225	63835	56.317	ug/l	99
95) Naphthalene	15.37	128	220591	49.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	100462	55.026	ug/l	100

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

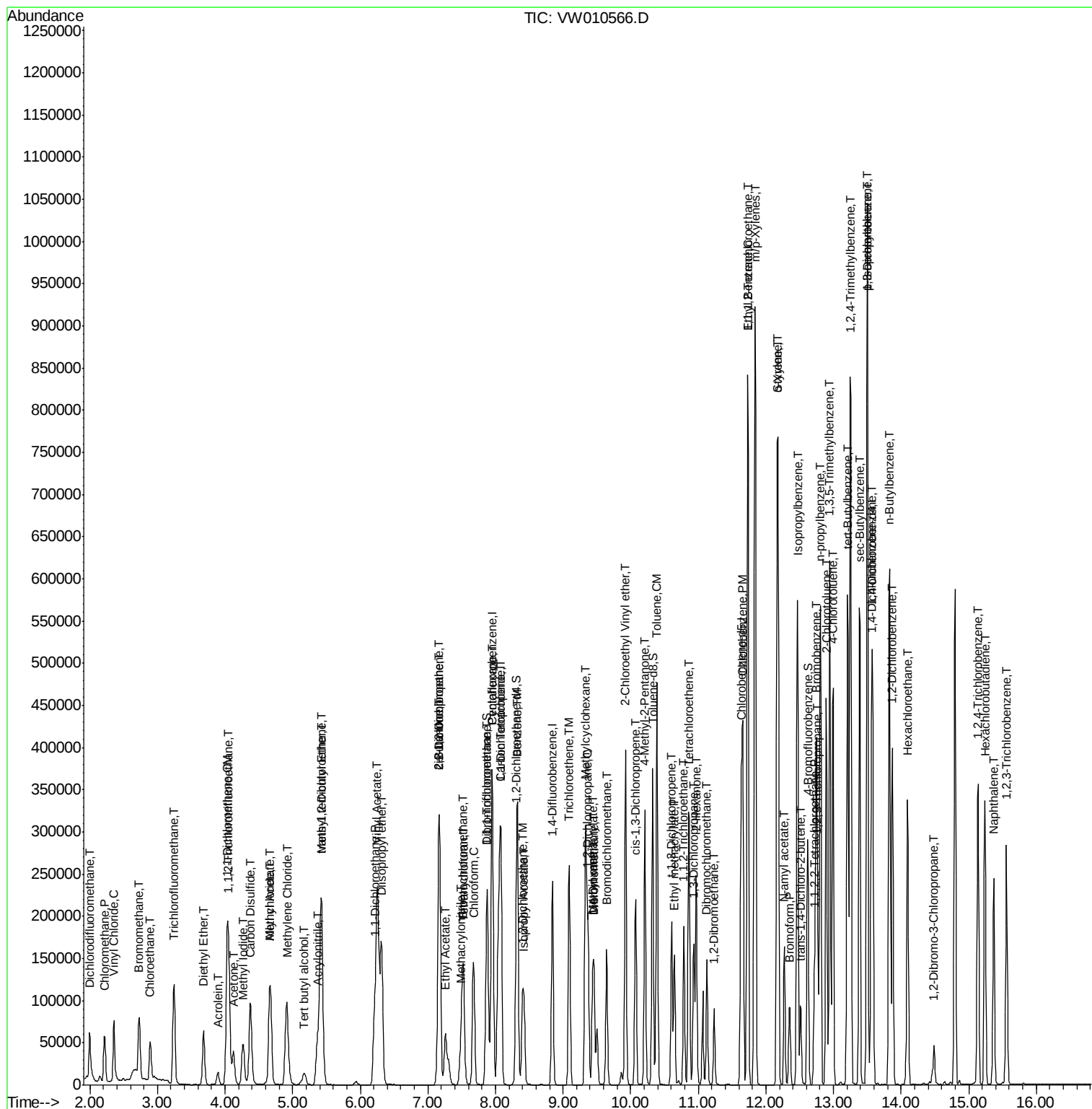
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
Data File : VW010566.D
Acq On : 28 May 2019 14:44
Operator : SY/VA
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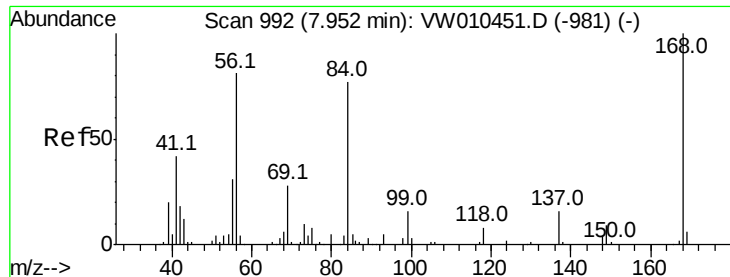
Instrument :
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#1

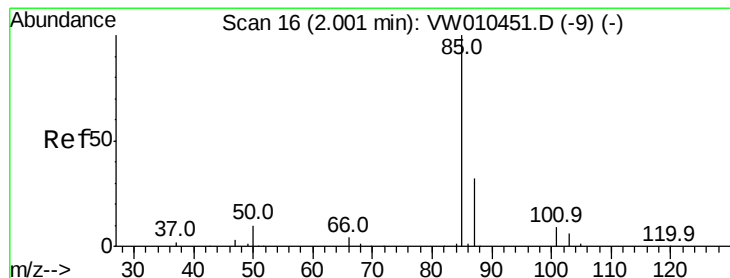
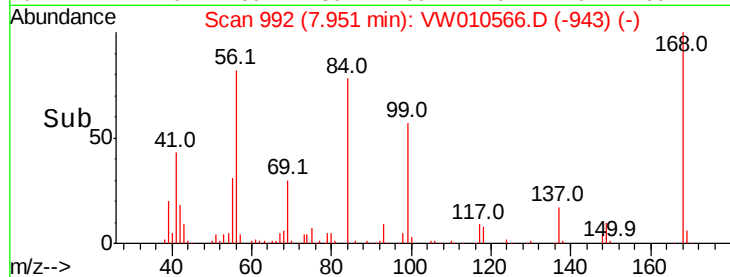
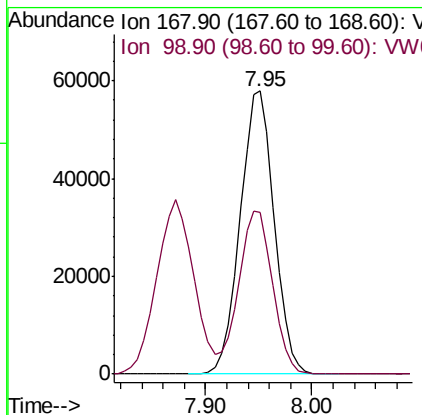
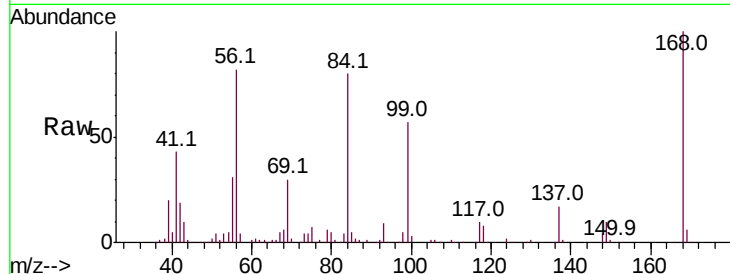
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.1	46.1	69.1

Manual Integrations
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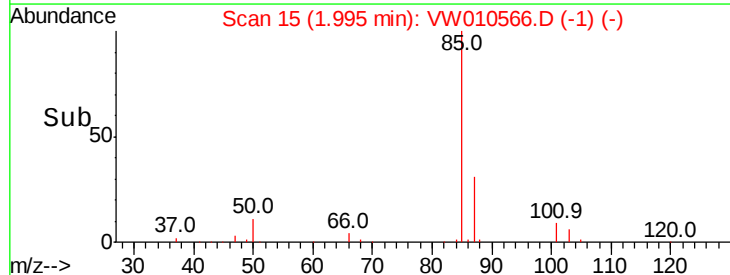
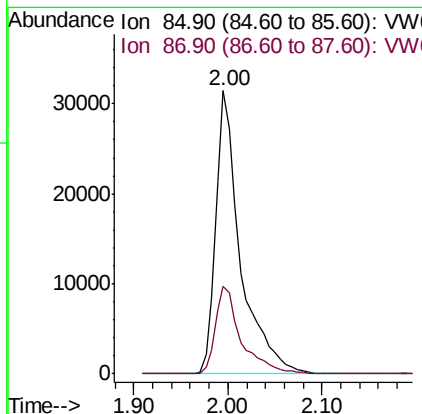
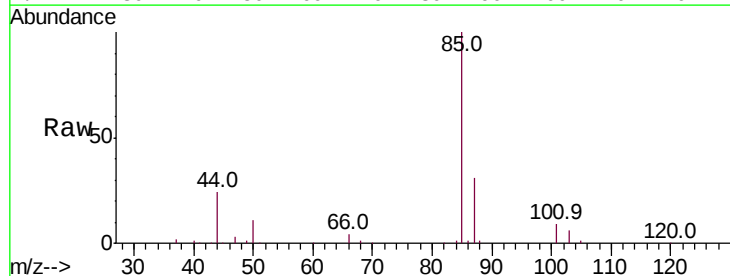
MMDadoda
 5/29/2019 11:05:41 AM

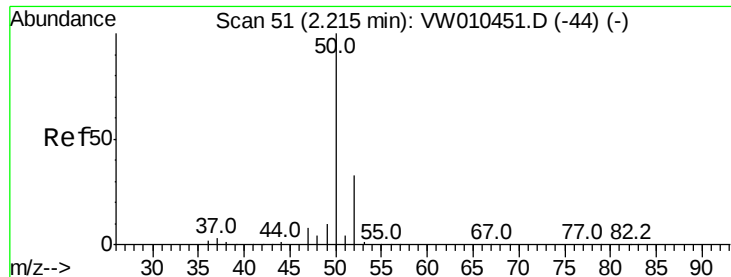


#2

Dichlorodifluoromethane
 Concen: 49.378 ug/l
 RT: 2.00 min Scan# 15
 Delta R.T. -0.01 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.3	48.8





#3

Chloromethane

Concen: 46.320 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 50 Resp: 63075

Ion Ratio Lower Upper

50 100

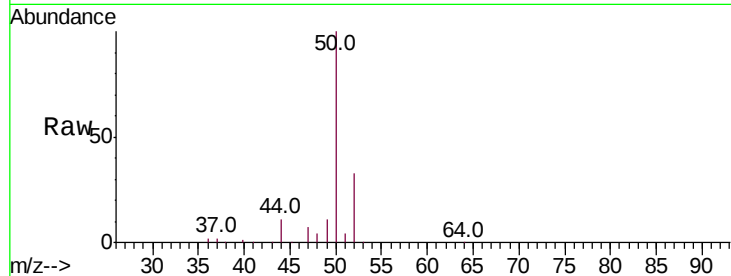
52 32.9 26.3 39.5

Manual Integrations

APPROVED

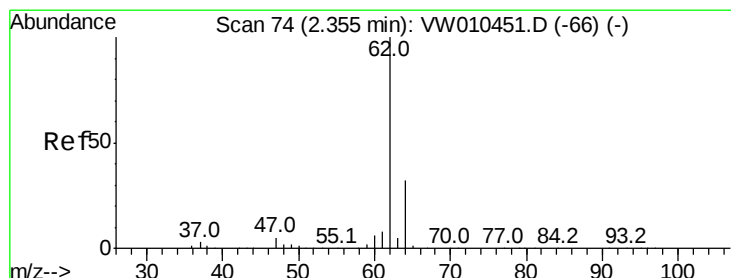
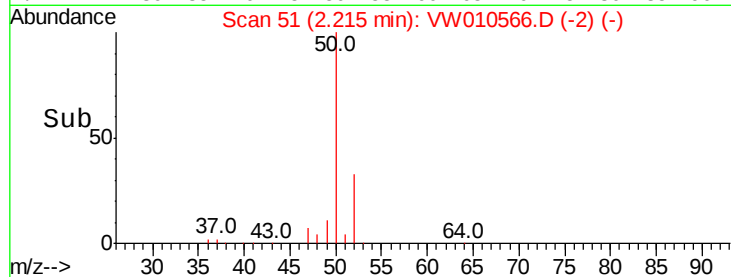
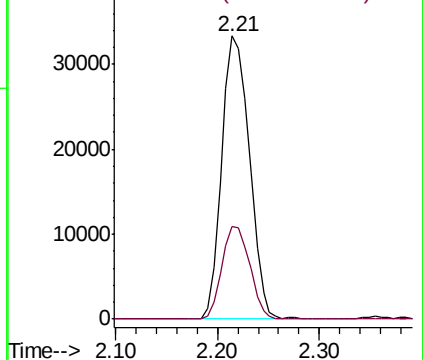
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 44.870 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010566.D

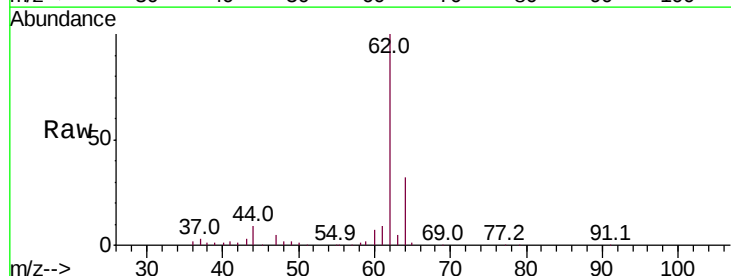
Acq: 28 May 2019 14:44

Tgt Ion: 62 Resp: 70774

Ion Ratio Lower Upper

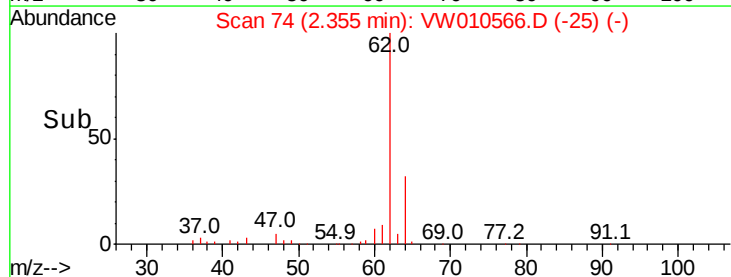
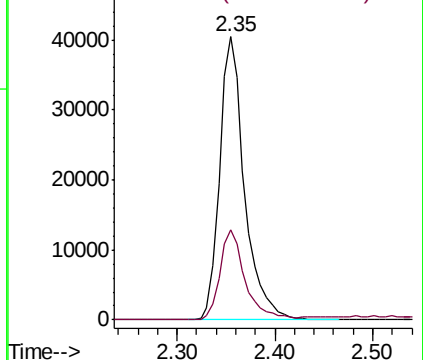
62 100

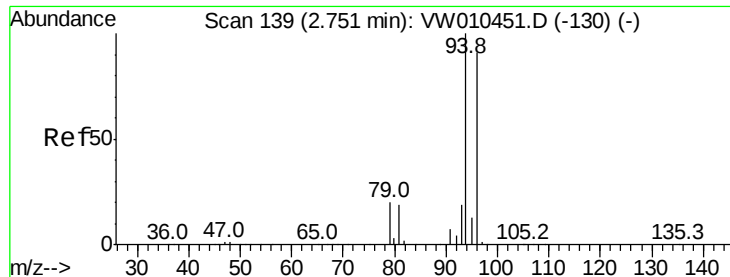
64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.020 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW010566.D

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Instrument :

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ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 94 Resp: 52107

Ion Ratio Lower Upper

94 100

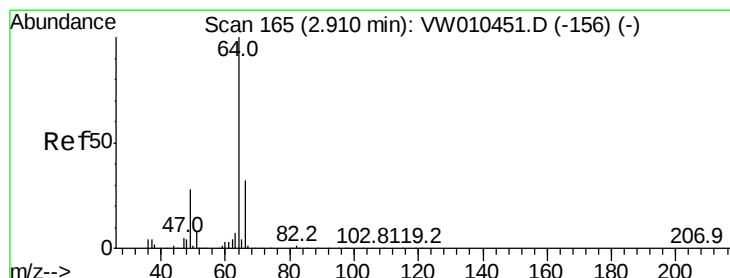
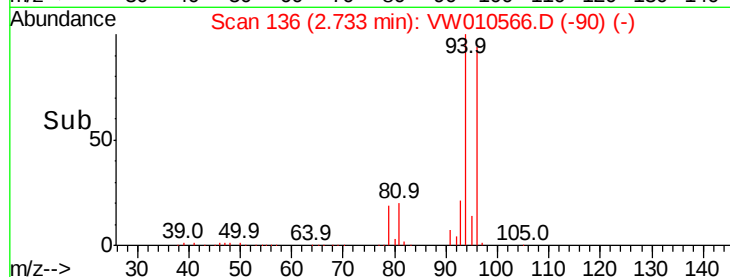
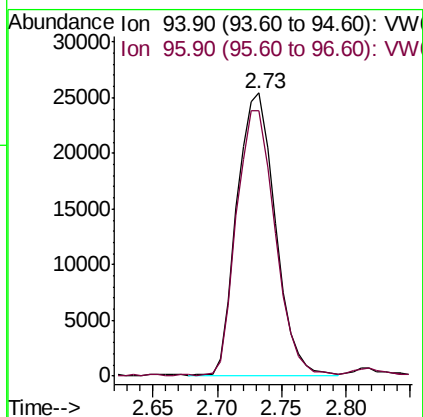
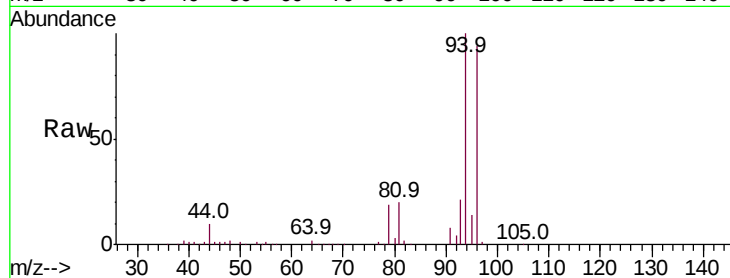
96 93.7 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 43.581 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010566.D

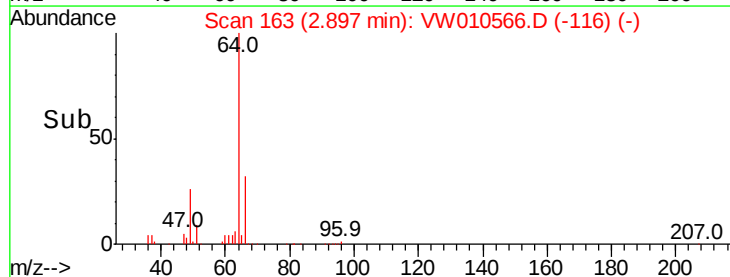
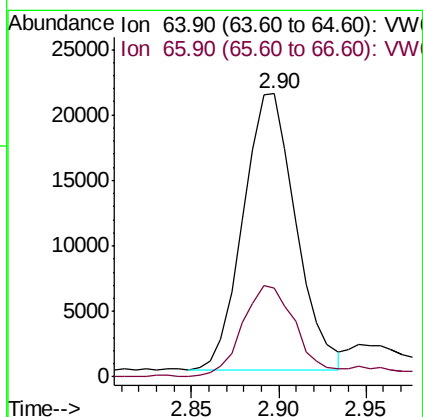
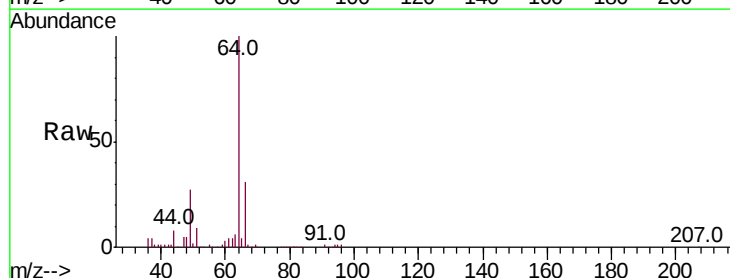
Acq: 28 May 2019 14:44

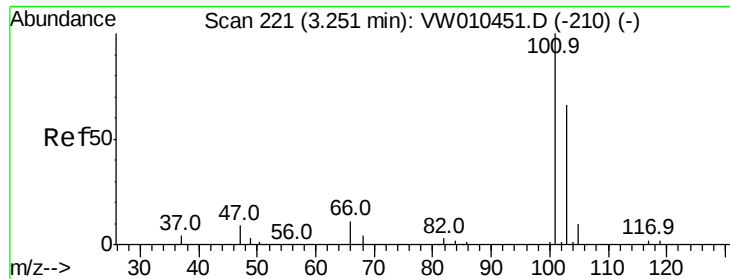
Tgt Ion: 64 Resp: 44128

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

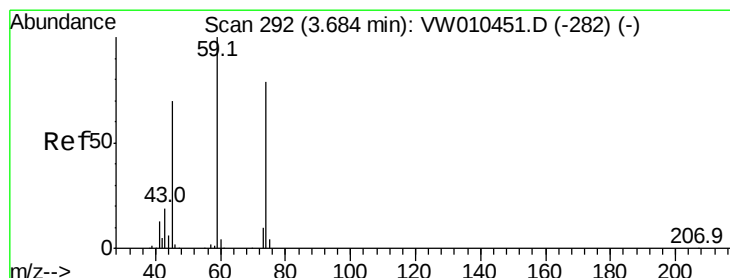
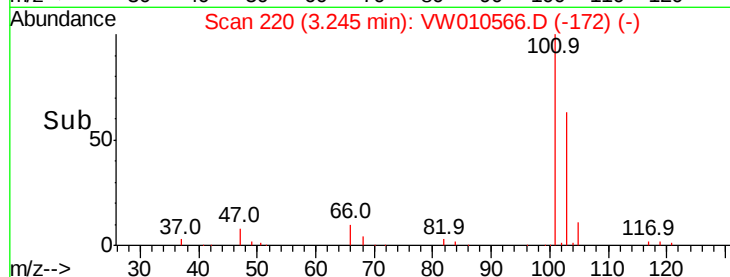
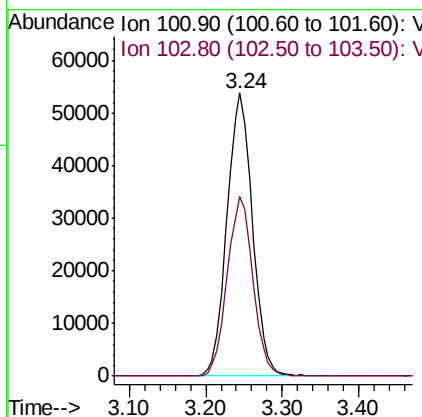
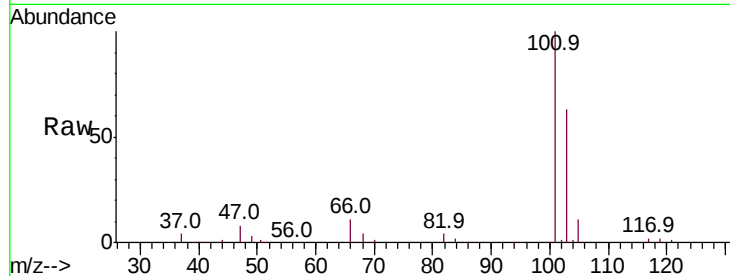
Trichlorofluoromethane
Concen: 53.276 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.4

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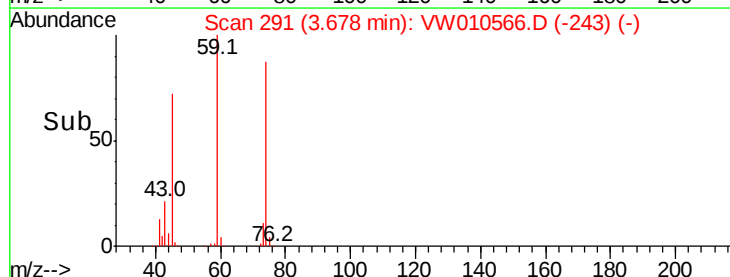
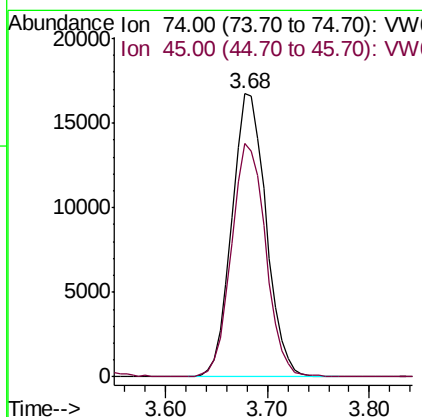
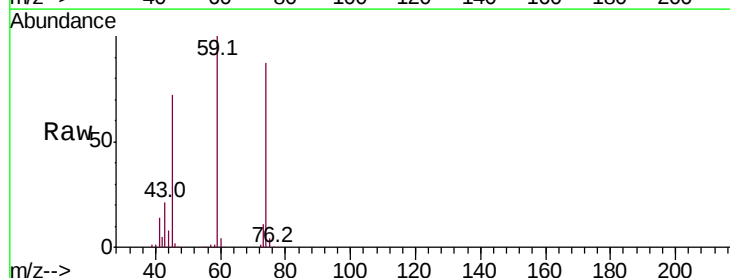
MMDadoda
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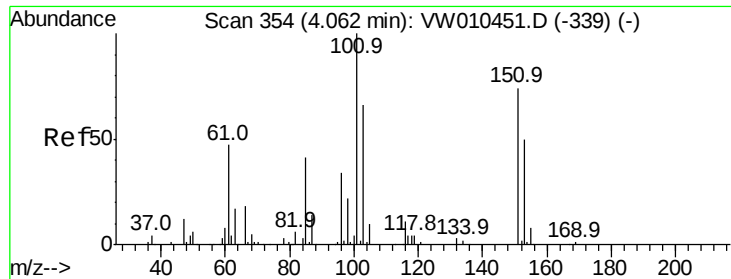


#8

Diethyl Ether
Concen: 52.790 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.3	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.023 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

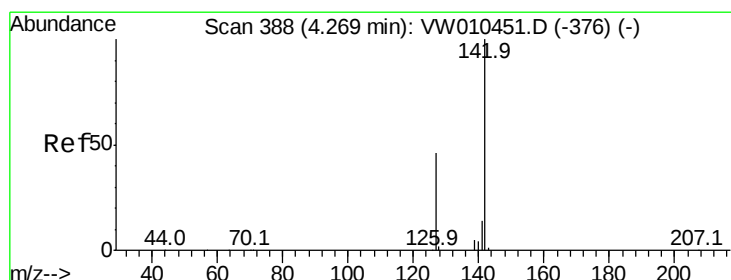
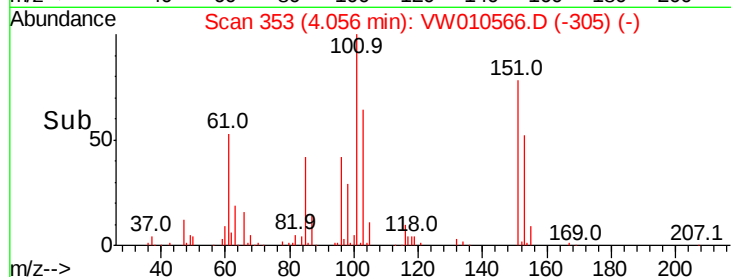
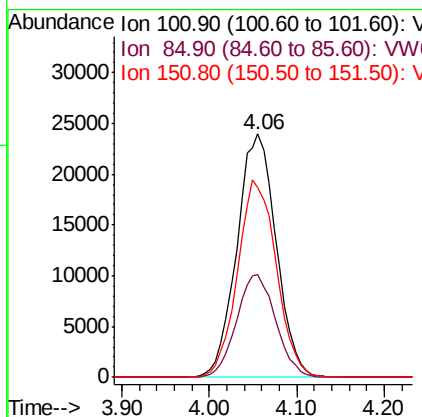
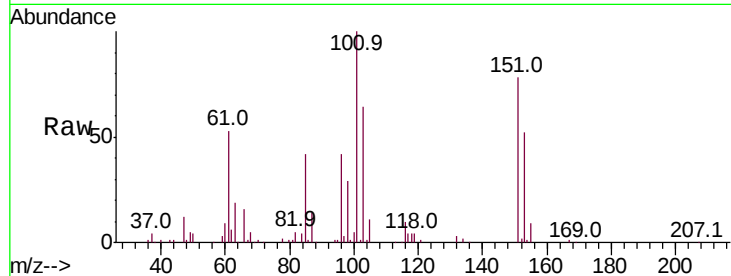
ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:	101	Resp:	74607
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.3	51.5
151	80.1	60.3	90.5

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#10

Methyl Iodide

Concen: 51.893 ug/l

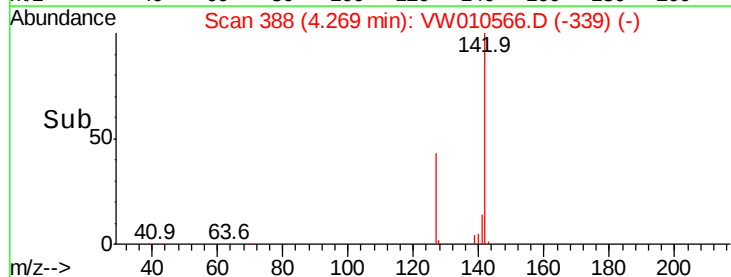
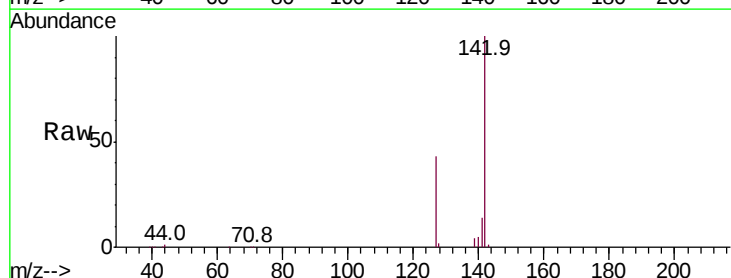
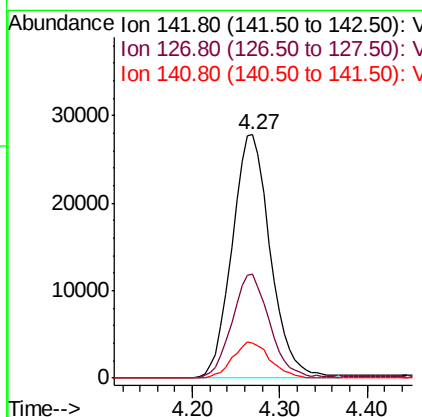
RT: 4.27 min Scan# 388

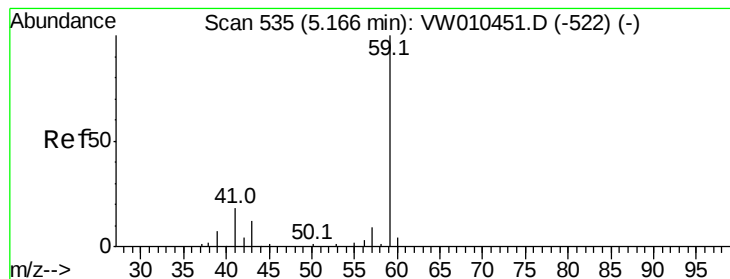
Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion:	142	Resp:	85062
Ion Ratio	Lower	Upper	
142	100		
127	41.9	36.1	54.1
141	14.5	11.3	16.9





#11

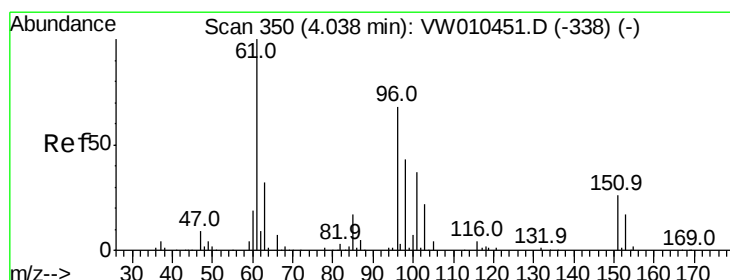
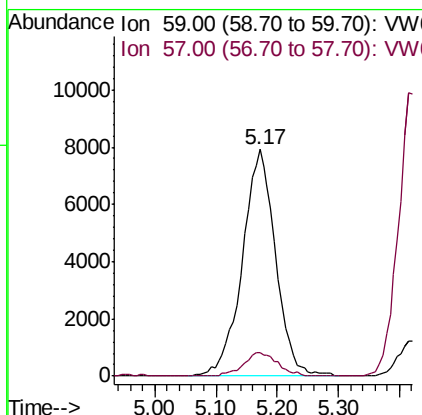
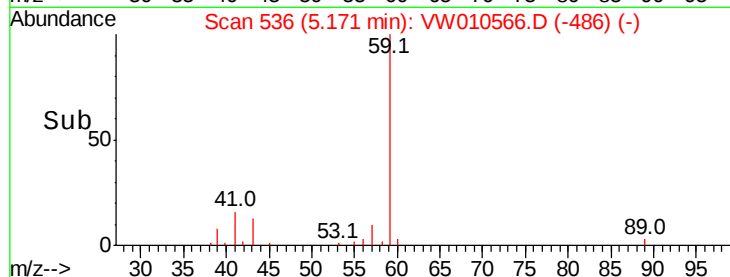
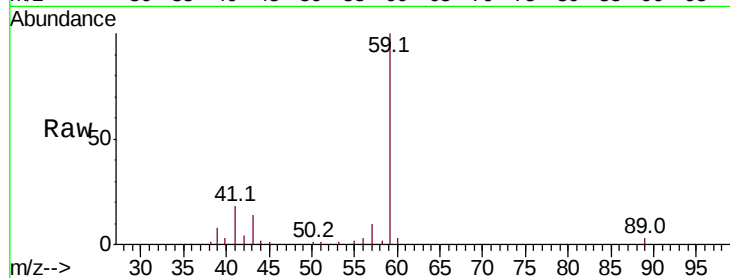
Tert butyl alcohol
Concen: 249.065 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	59	57	Ratio	100	10.4	Resp	29970	Lower	Upper
59	100								
57		10.4						8.8	13.2

Manual Integrations
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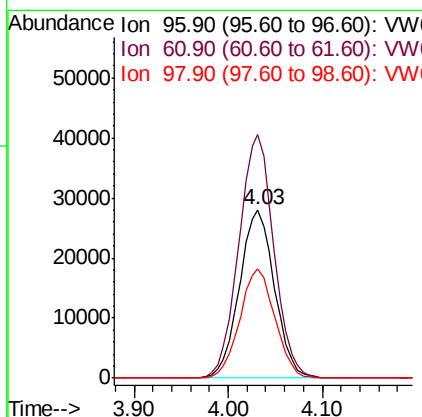
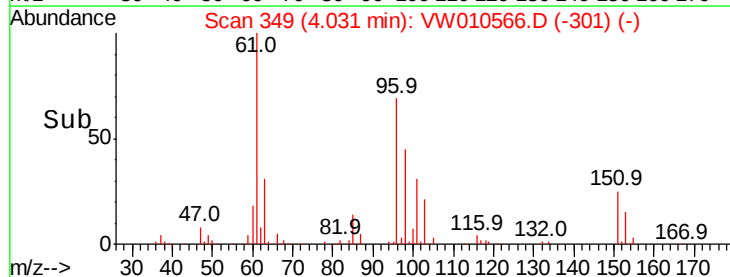
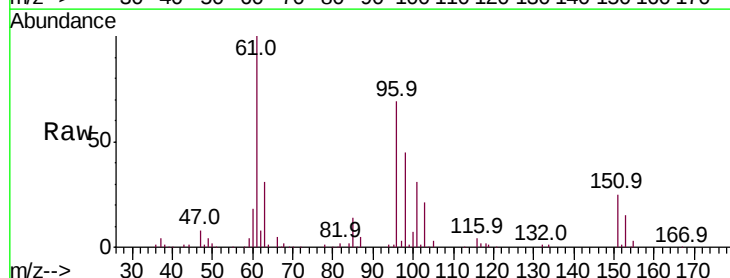
MMDadoda
5/29/2019 11:05:41 AM

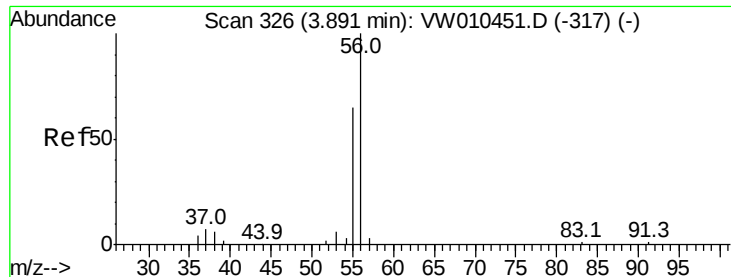


#12

1,1-Dichloroethene
Concen: 53.411 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	96	61	98	Ratio	100	144.7	65.0	Resp	73118	Lower	Upper
96	100										
61		144.7								118.3	177.5
98		65.0								51.0	76.6





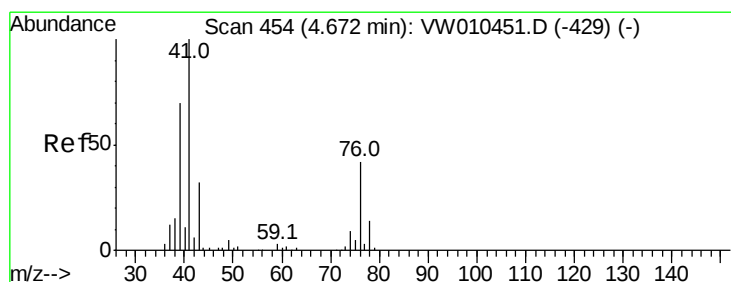
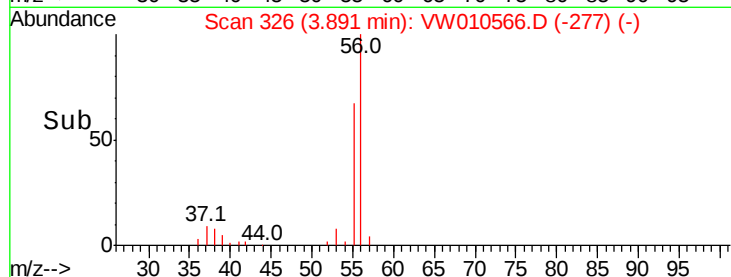
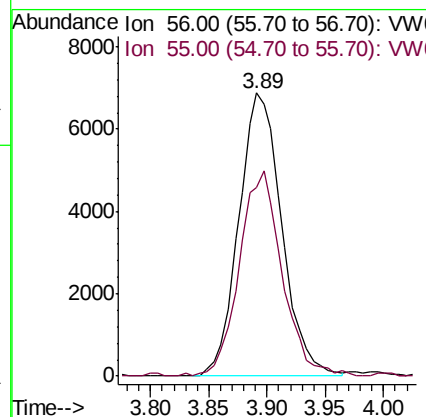
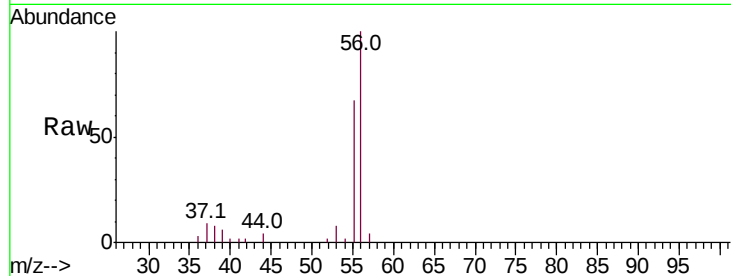
#13
 Acrolein
 Concen: 251.616 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	56	55	Ratio	100	72.2	Resp	17632	Lower	57.9	Upper	86.9
Ion	56	55	Ratio	100	72.2	Resp	17632	Lower	57.9	Upper	86.9

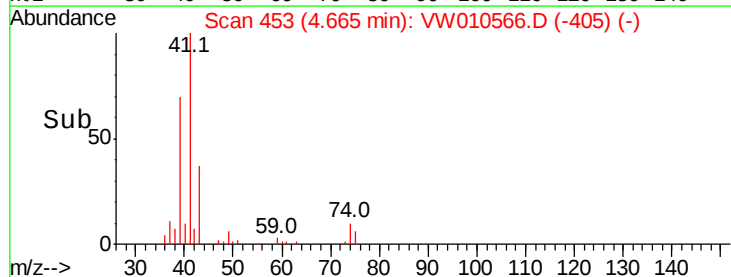
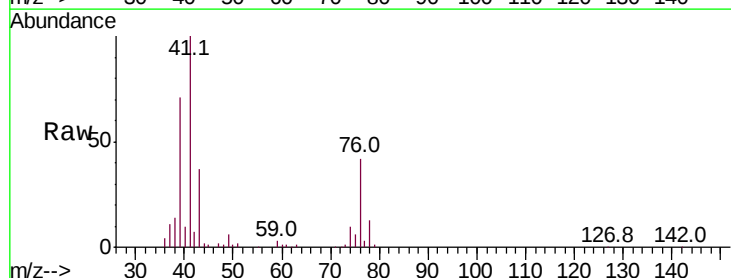
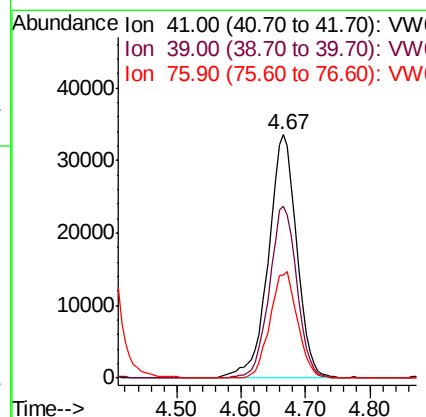
Manual Integrations
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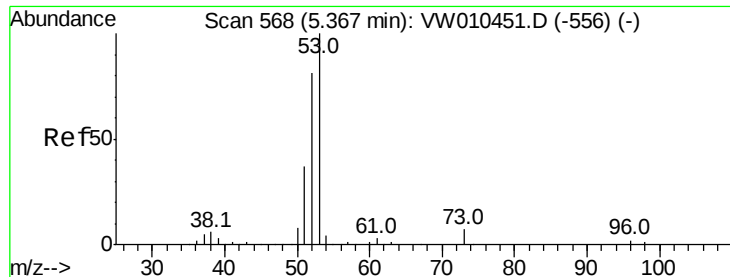
MMDadoda
 5/29/2019 11:05:41 AM



#14
 Allyl chloride
 Concen: 52.031 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	41	39	76	Ratio	100	68.9	42.3	Resp	103105	Lower	55.0	Upper	82.4	49.2
Ion	41	39	76	Ratio	100	68.9	42.3	Resp	103105	Lower	55.0	Upper	82.4	49.2





#15

Acrylonitrile

Concen: 231.986 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

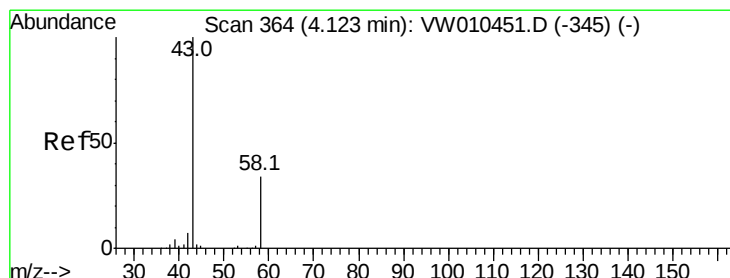
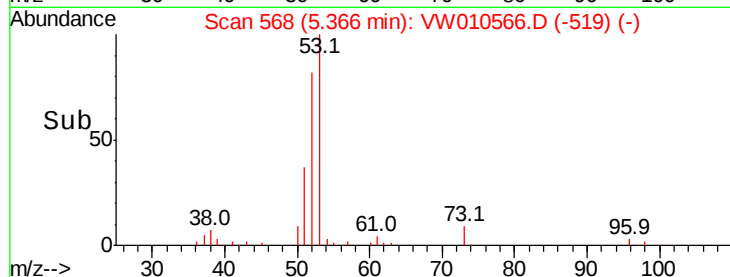
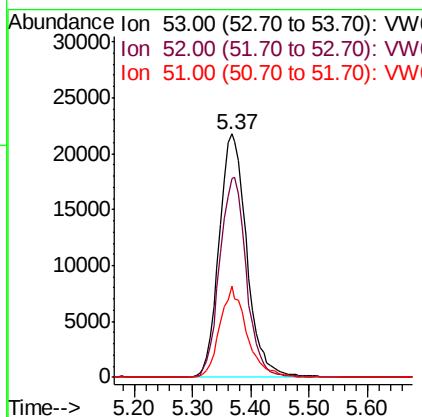
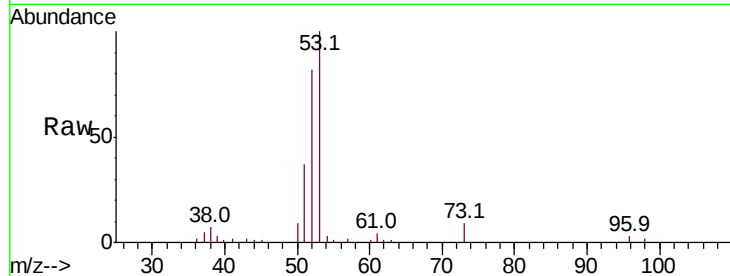
ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:	53	Resp:	71719
Ion	Ratio	Lower	Upper
53	100		
52	79.1	65.6	98.4
51	36.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 249.684 ug/l

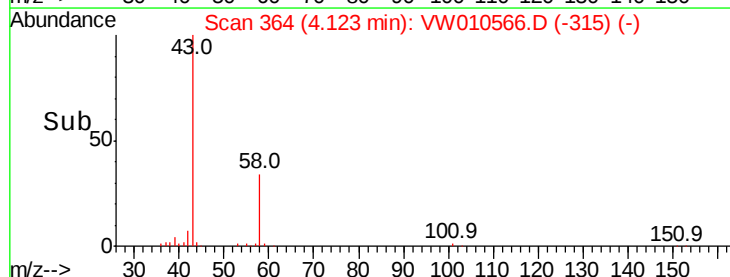
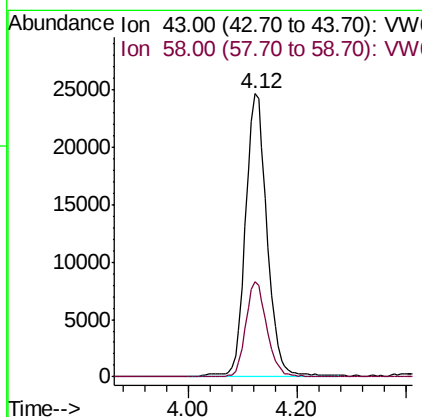
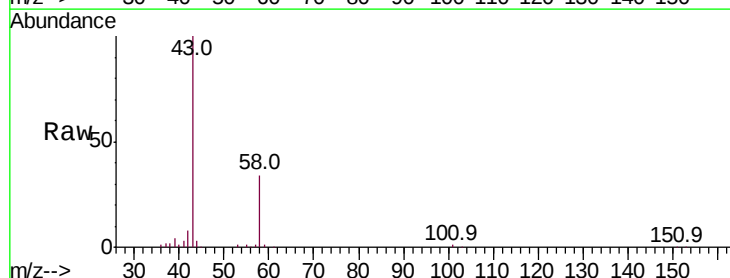
RT: 4.12 min Scan# 364

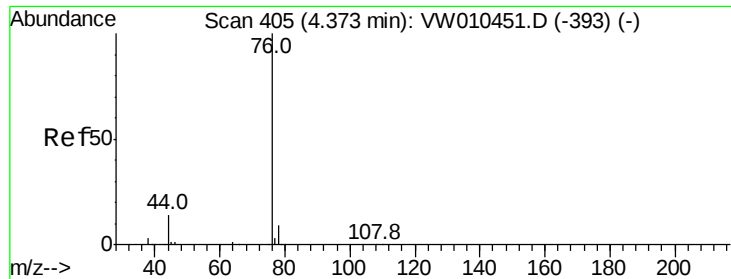
Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion:	43	Resp:	68180
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.0	40.4





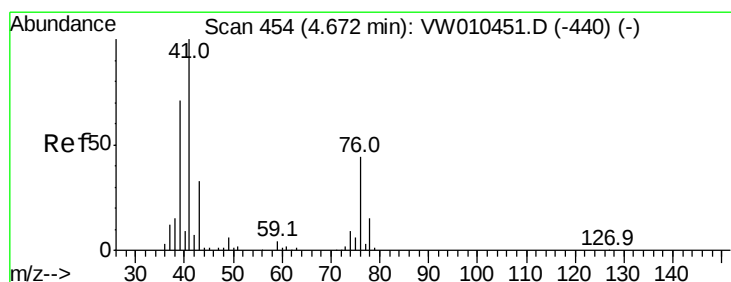
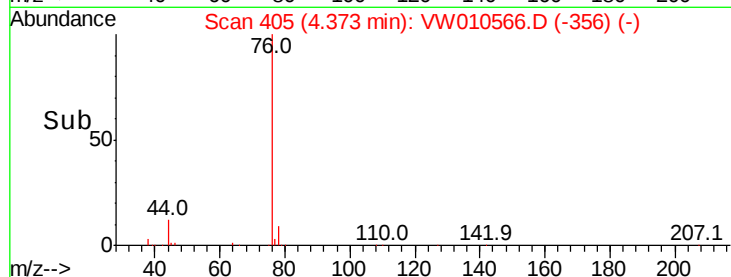
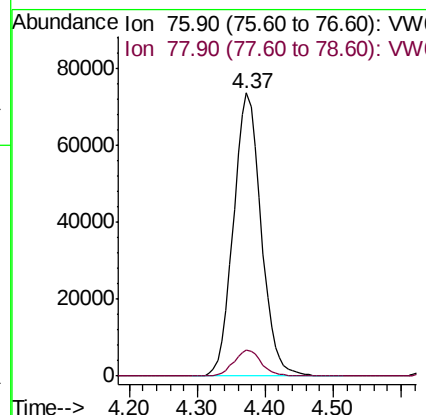
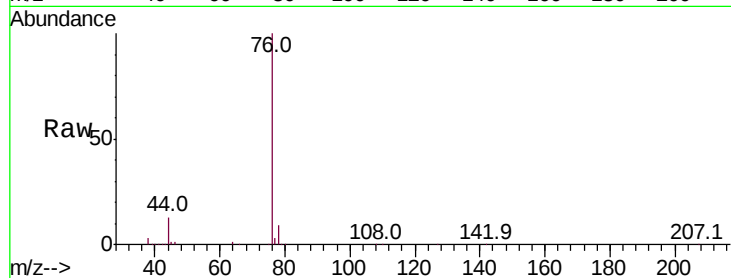
#17
Carbon Disulfide
Concen: 51.023 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion: 76 Resp: 208342
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

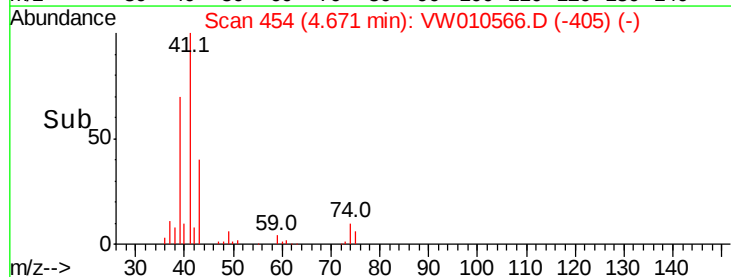
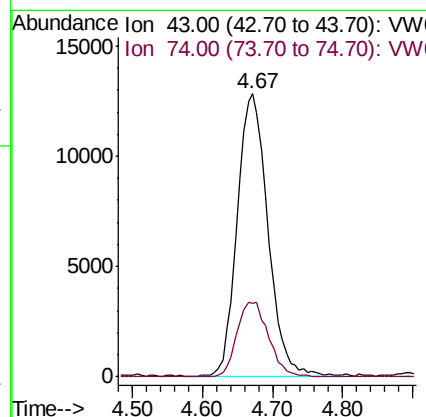
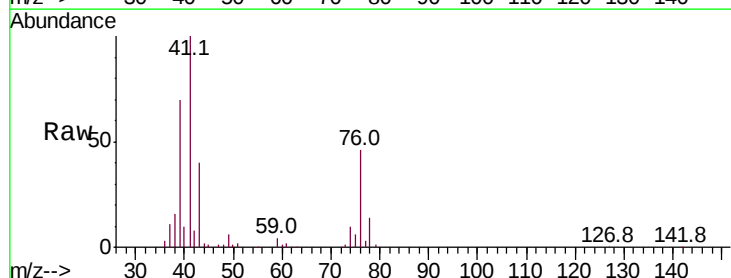
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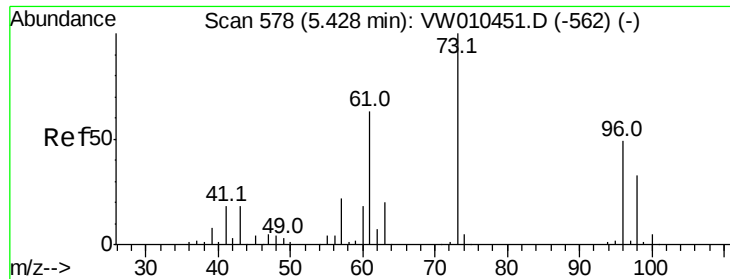
MMDadoda
5/29/2019 11:05:41 AM



#18
Methyl Acetate
Concen: 58.941 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion: 43 Resp: 39363
Ion Ratio Lower Upper
43 100
74 26.9 21.6 32.4





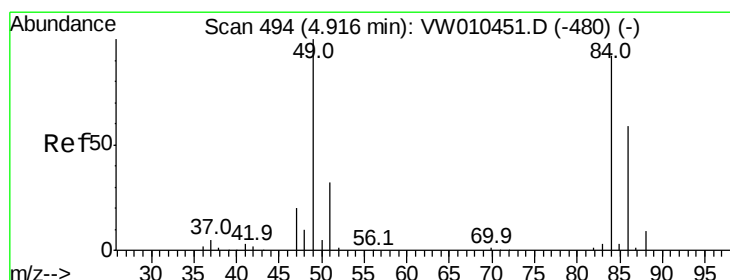
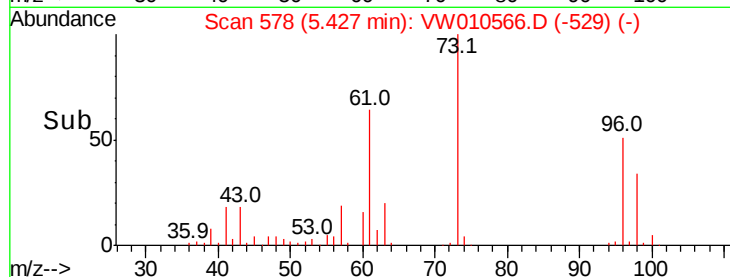
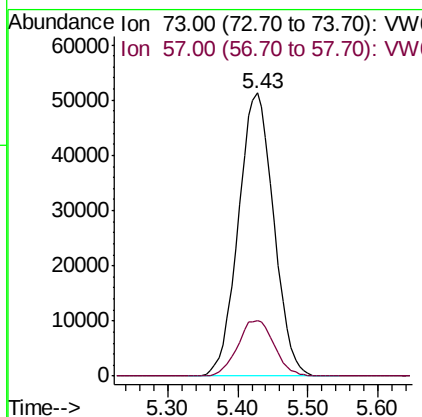
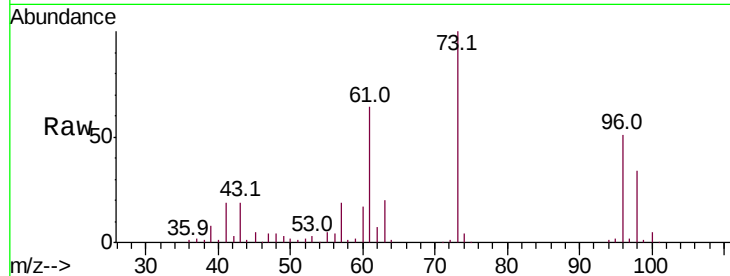
#19
Methyl tert-butyl Ether
Concen: 51.442 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion: 73 Resp: 179531
Ion Ratio Lower Upper
73 100
57 19.4 17.4 26.0

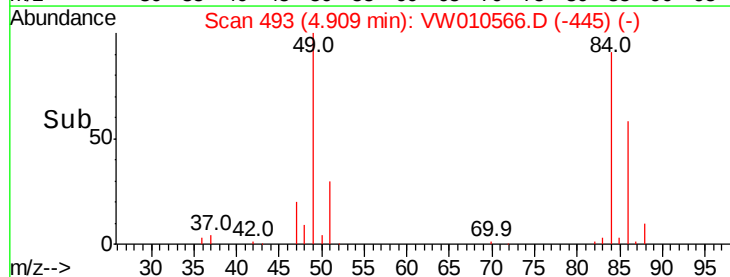
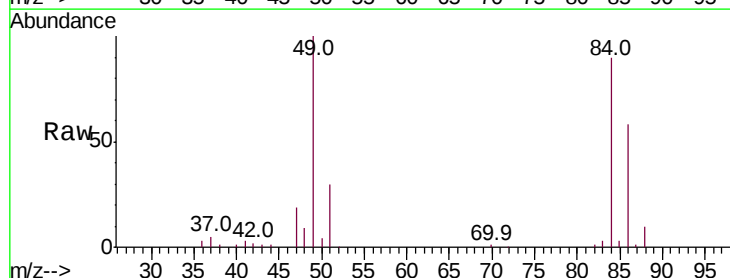
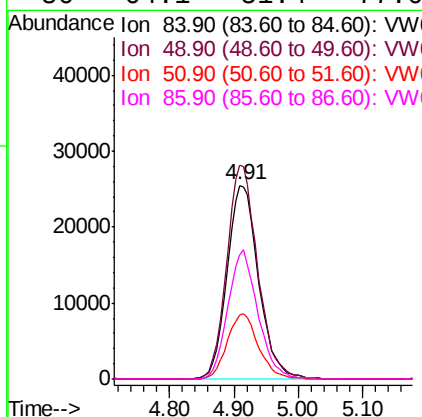
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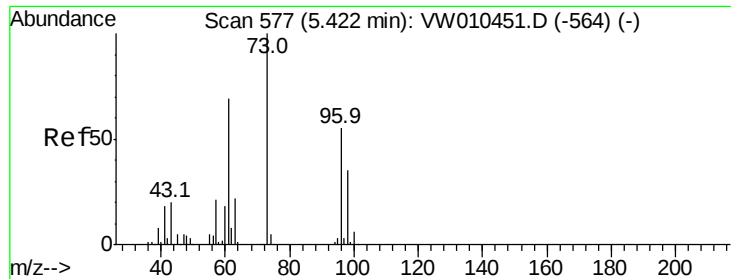
MMDadoda
5/29/2019 11:05:41 AM



#20
Methylene Chloride
Concen: 54.767 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion: 84 Resp: 86974
Ion Ratio Lower Upper
84 100
49 110.5 87.2 130.8
51 33.1 27.7 41.5
86 64.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 53.726 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 96 Resp: 84363

Ion Ratio Lower Upper

96 100

61 120.8 101.4 152.0

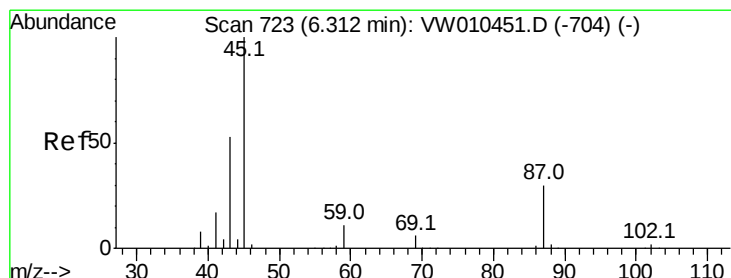
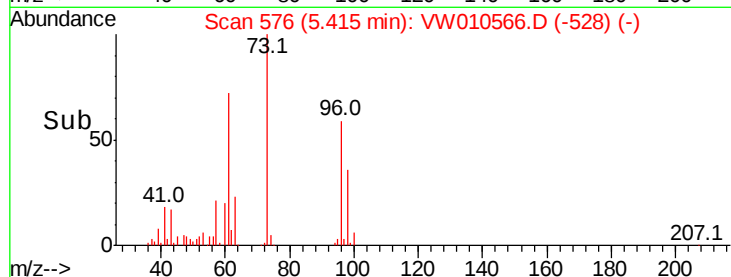
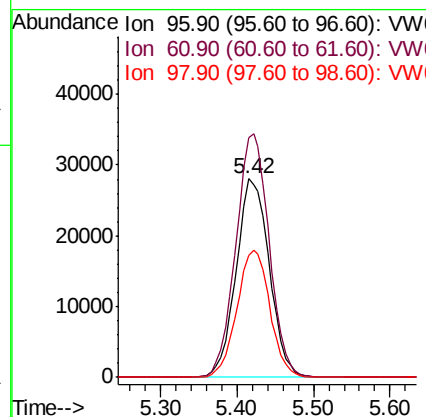
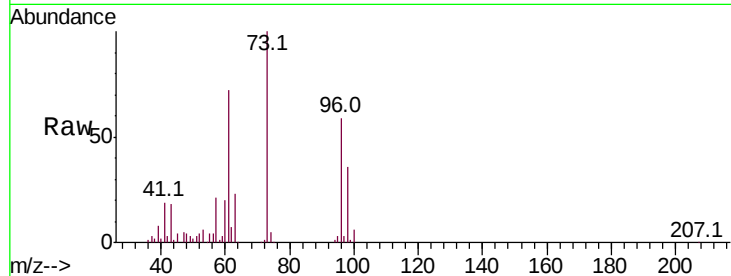
98 61.2 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.504 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion: 45 Resp: 213336

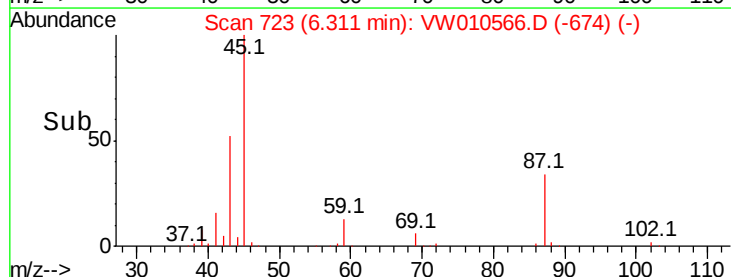
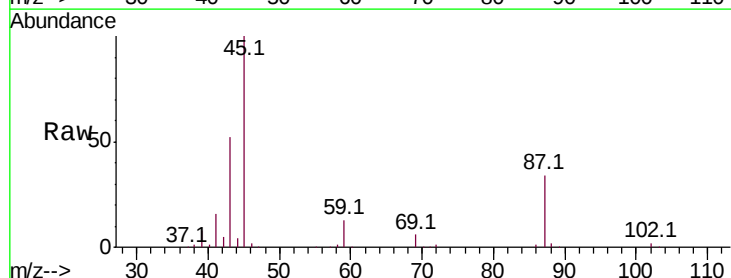
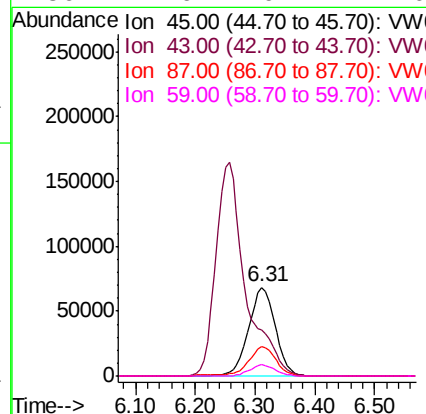
Ion Ratio Lower Upper

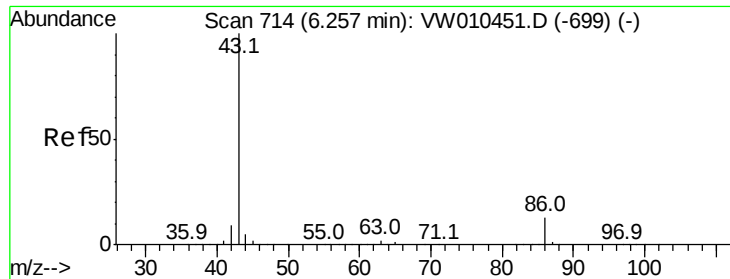
45 100

43 51.4 42.9 64.3

87 33.5 24.6 36.8

59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 232.943 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 43 Resp: 565381

Ion Ratio Lower Upper

43 100

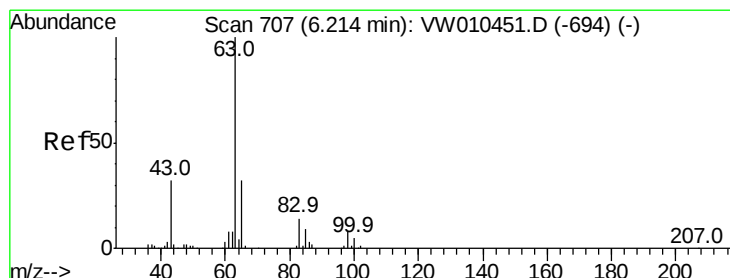
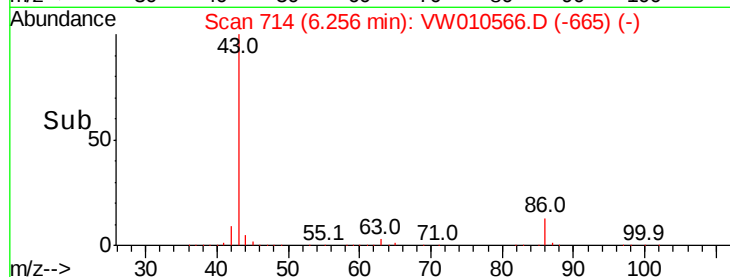
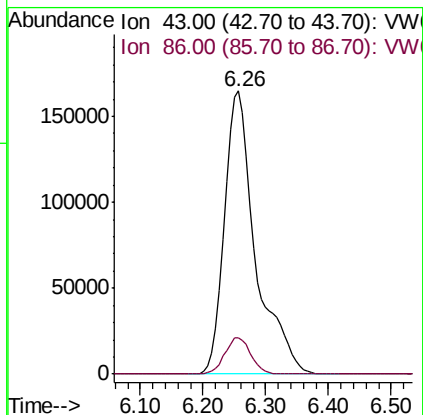
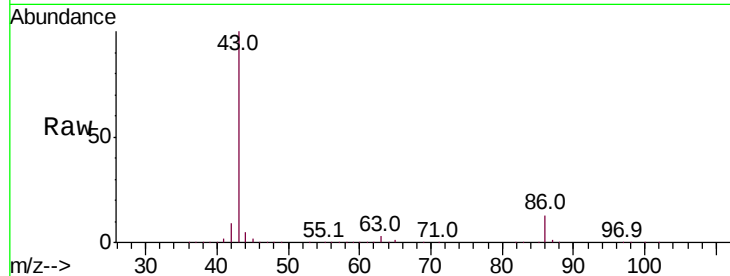
86 13.0 10.3 15.5

Manual Integrations

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MMDadoda

5/29/2019 11:05:41 AM



#24

1,1-Dichloroethane

Concen: 54.179 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

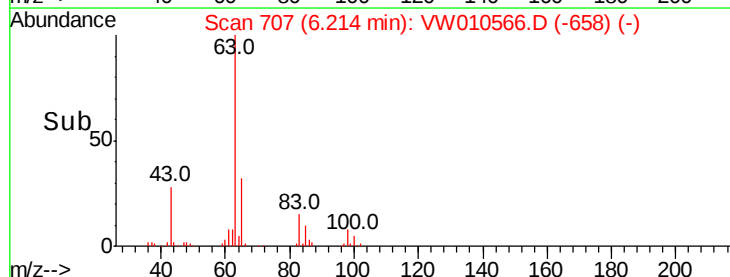
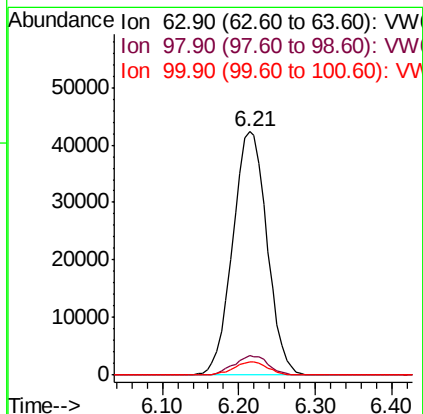
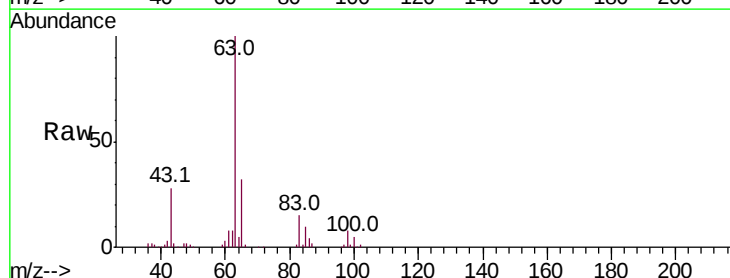
Tgt Ion: 63 Resp: 131370

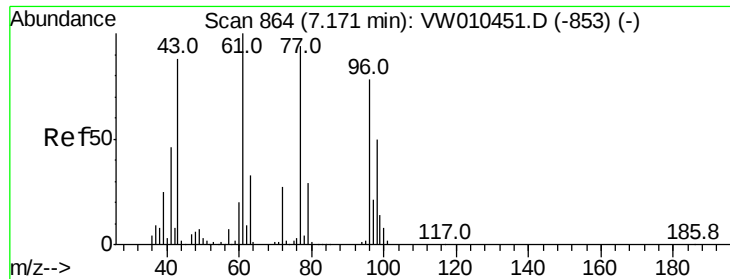
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 5.3 2.5 7.4





#25

2-Butanone

Concen: 230.410 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 43 Resp: 90040

Ion Ratio Lower Upper

43 100

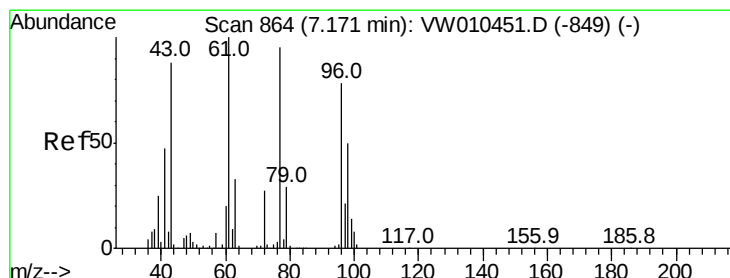
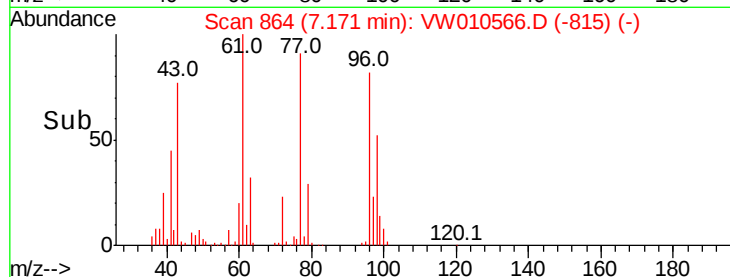
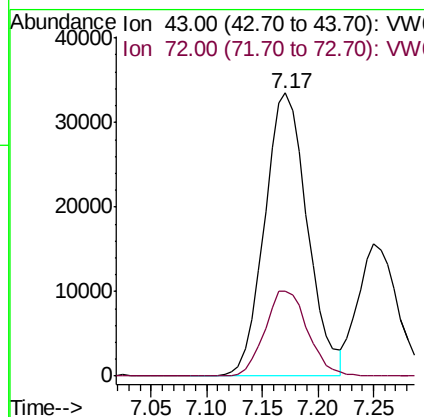
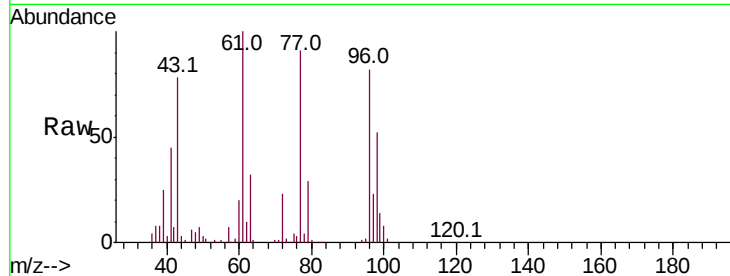
72 30.1 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 52.357 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010566.D

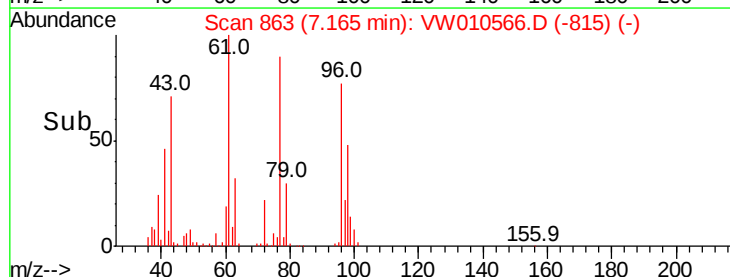
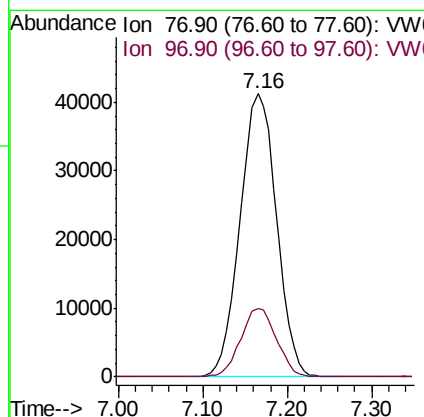
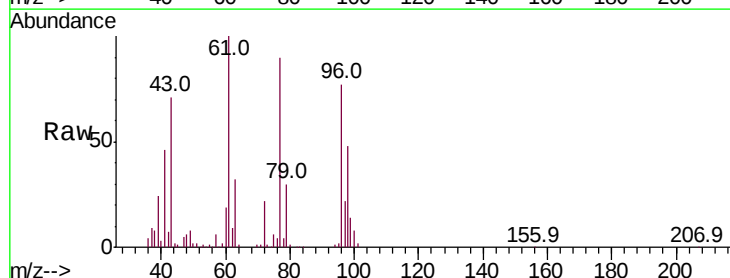
Acq: 28 May 2019 14:44

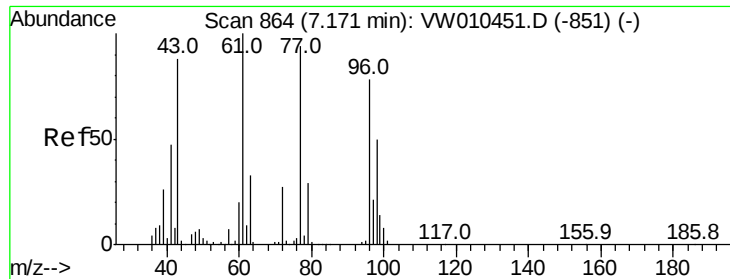
Tgt Ion: 77 Resp: 120928

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

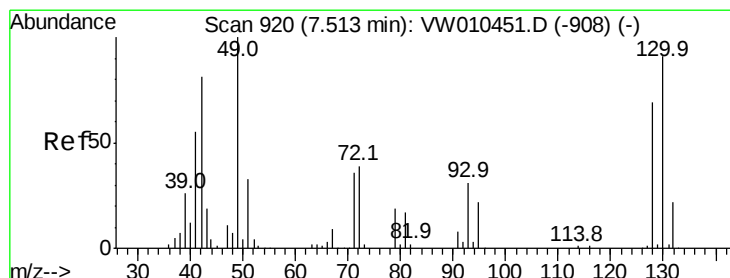
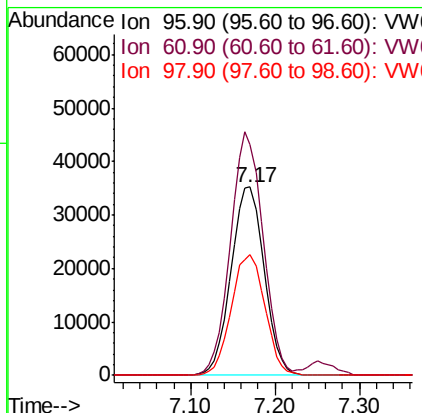
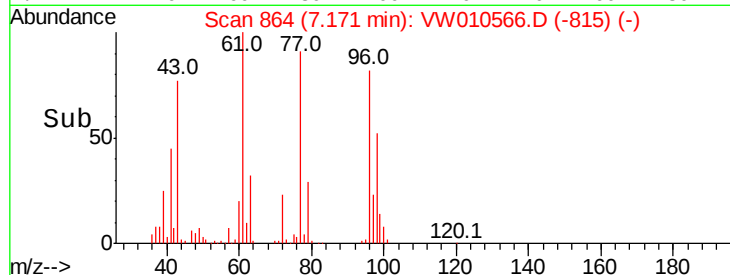
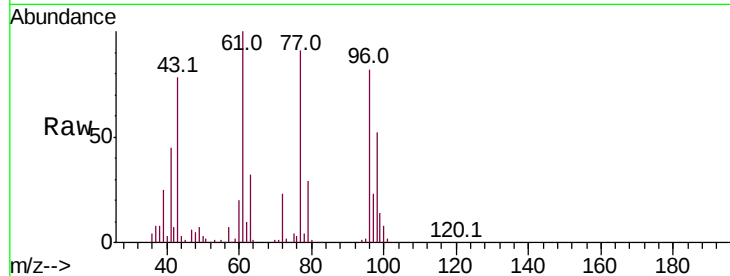
cis-1,2-Dichloroethene
 Concen: 55.155 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	265.4
98	64.7	0.0	129.4

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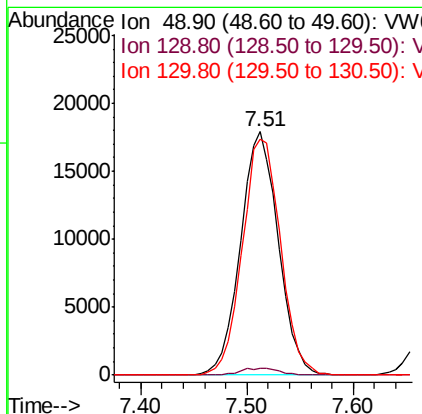
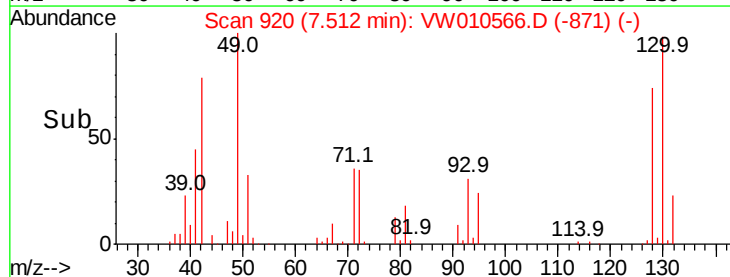
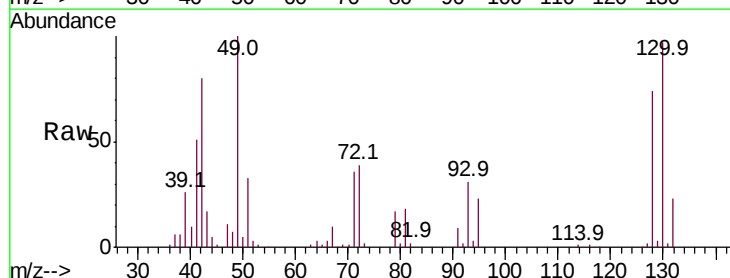
MMDadoda
 5/29/2019 11:05:41 AM

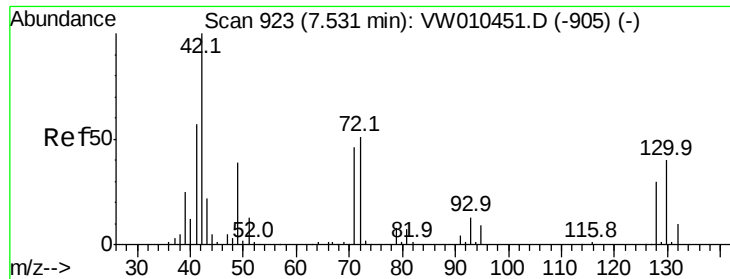


#28

Bromochloromethane
 Concen: 51.398 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	98.1	71.2	106.8





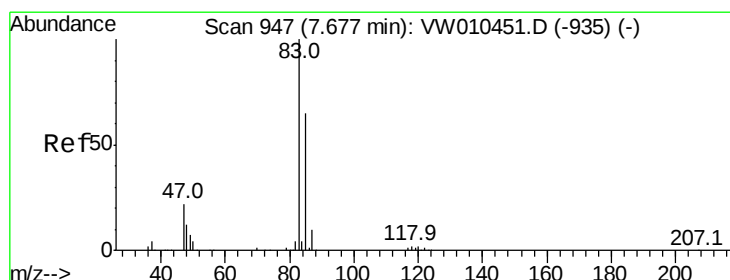
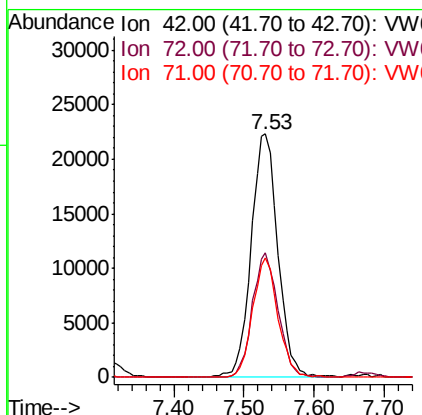
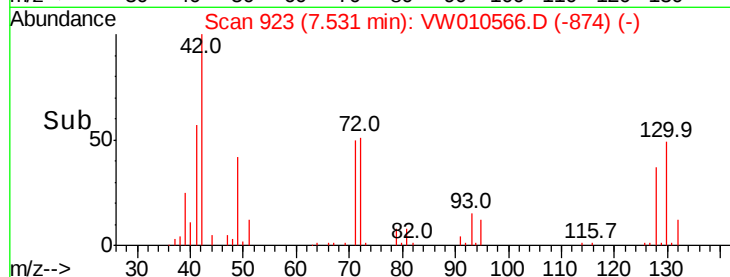
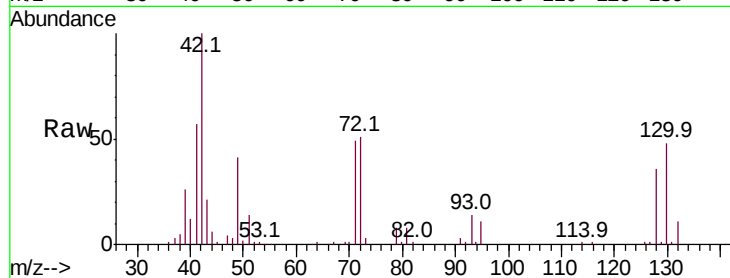
#29
Tetrahydrofuran
Concen: 224.042 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	38.5	57.7
71	46.1	36.5	54.7

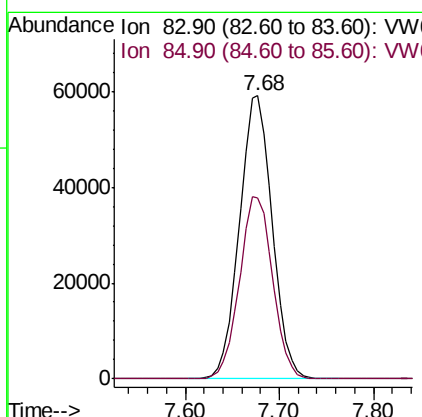
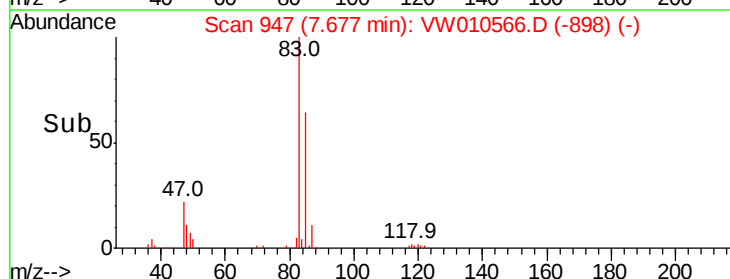
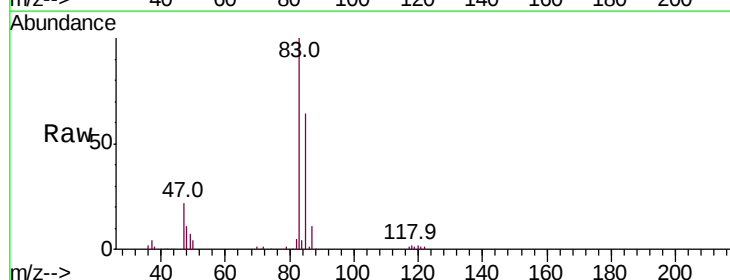
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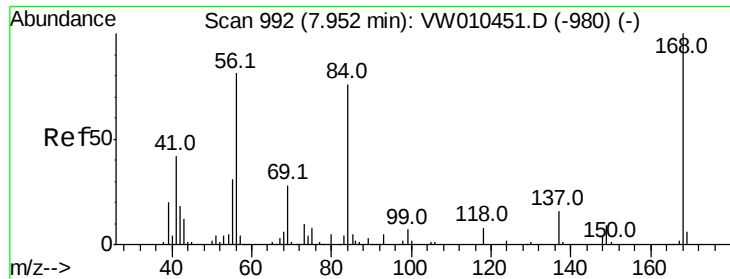
MMDadoda
5/29/2019 11:05:41 AM



#30
Chloroform
Concen: 54.797 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.4





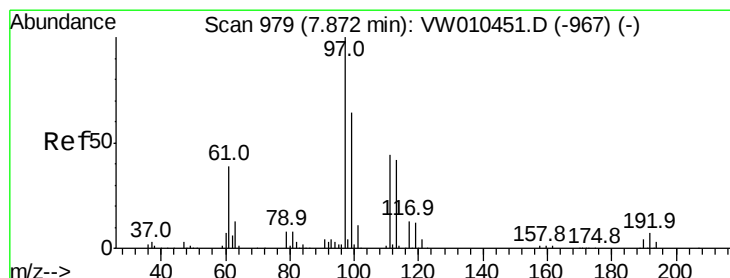
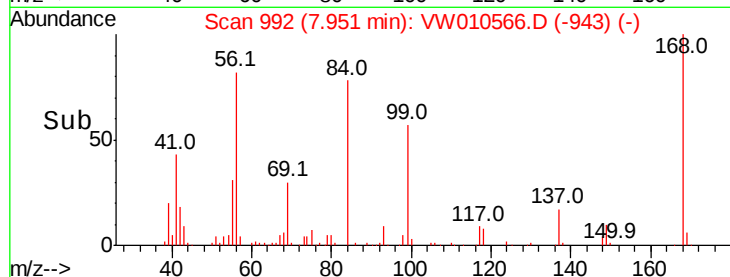
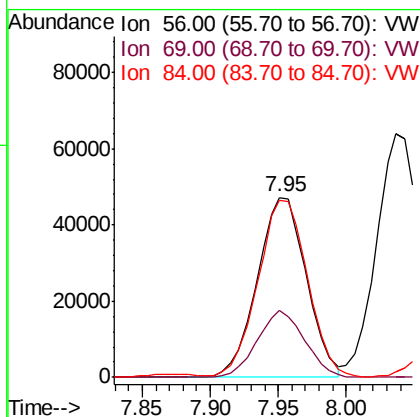
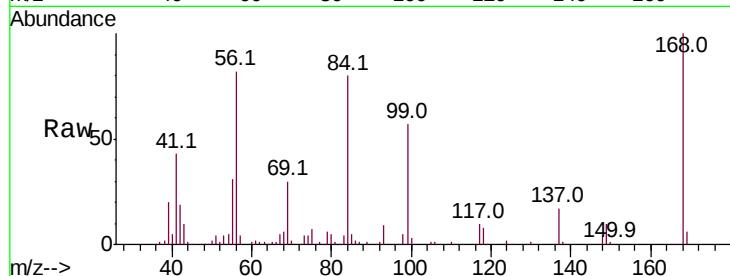
#31
Cyclohexane
Concen: 46.945 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion:	56	Resp:	119236
Ion Ratio	Lower	Upper	
56	100		
69	37.2	28.2	42.2
84	96.9	75.8	113.8

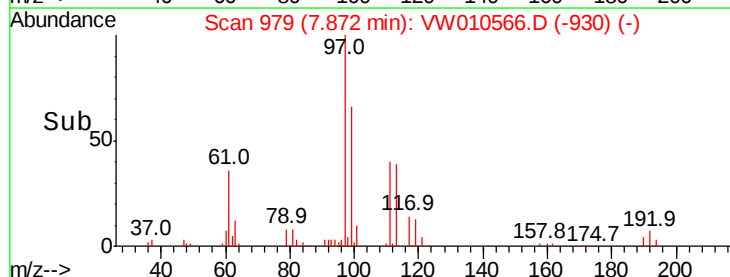
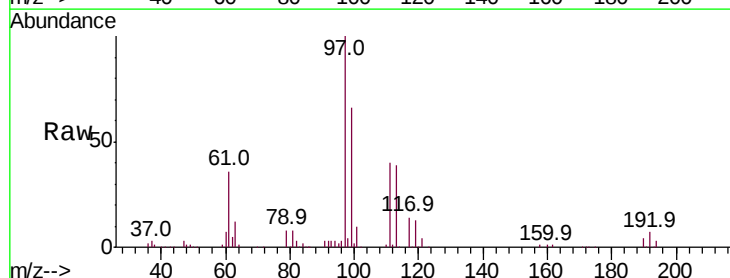
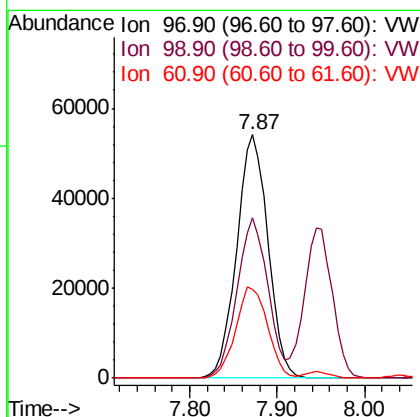
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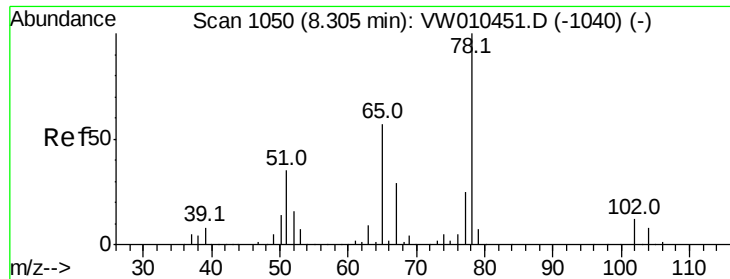
MMDadoda
5/29/2019 11:05:41 AM



#32
1,1,1-Trichloroethane
Concen: 53.591 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion:	97	Resp:	133964
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.8	76.2
61	38.4	32.1	48.1





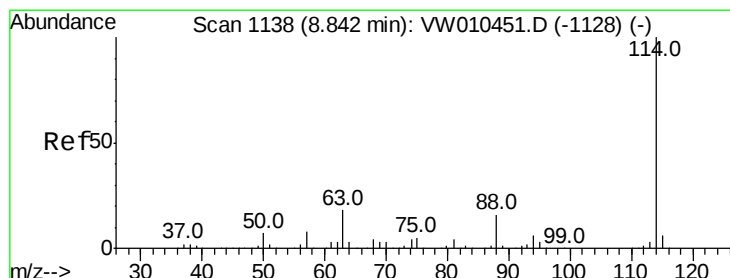
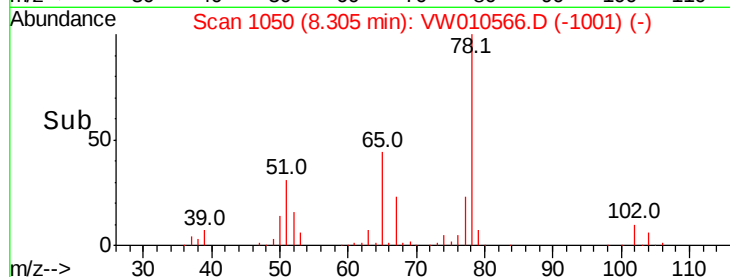
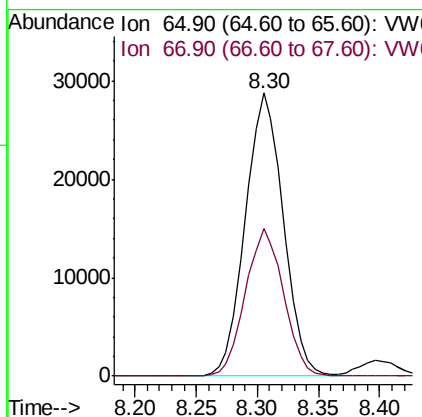
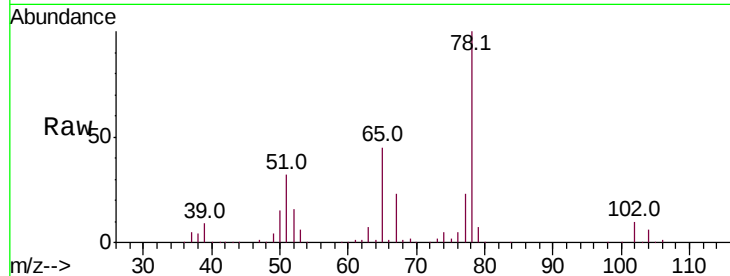
#33
 1,2-Dichloroethane-d4
 Concen: 46.608 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	62350		
67	52.1	0.0	103.6	

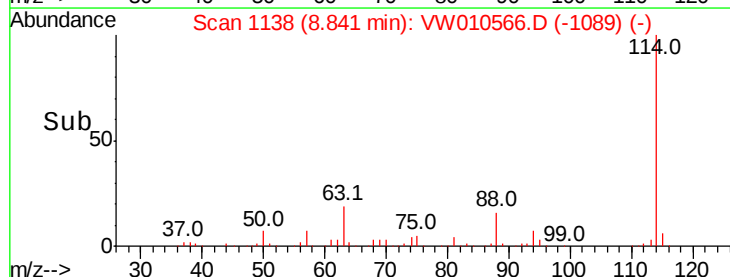
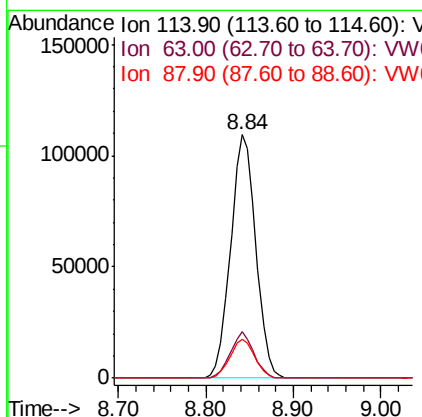
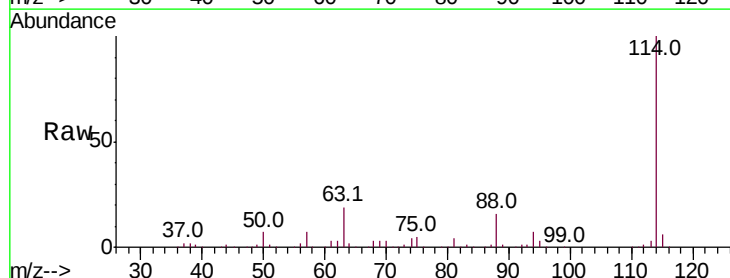
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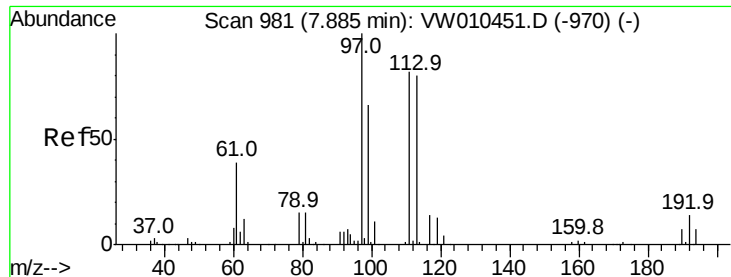
MMDadoda
 5/29/2019 11:05:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	218376		
63	19.0	0.0	36.0	
88	16.0	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.993 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

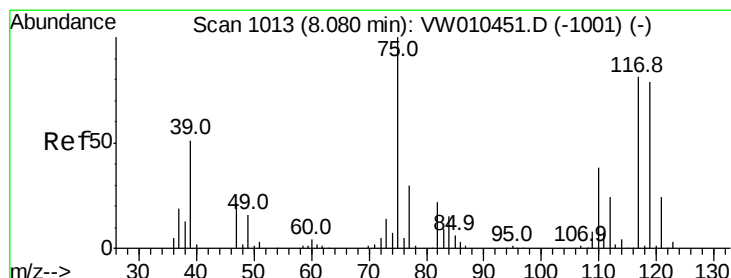
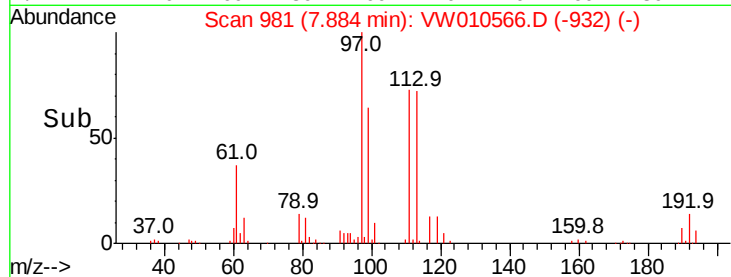
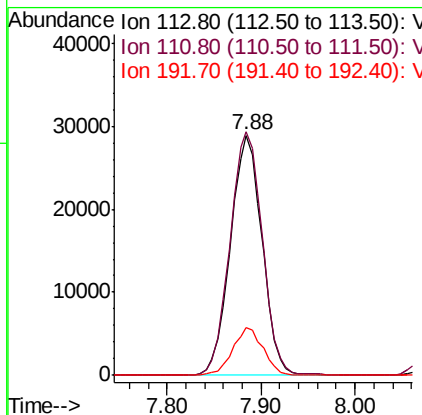
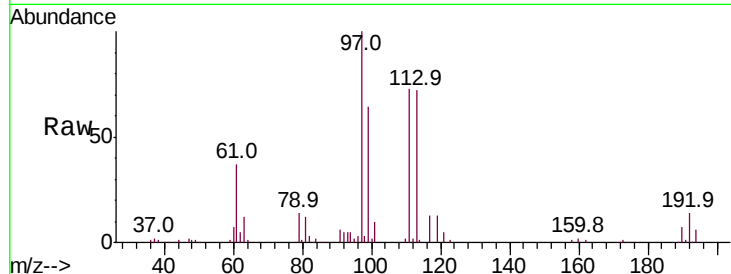
ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:	113	Resp:	67569
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	19.0	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 53.317 ug/l

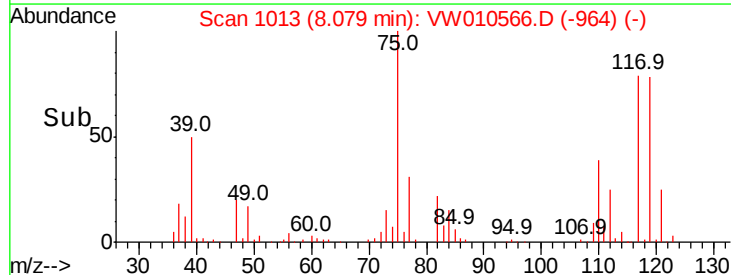
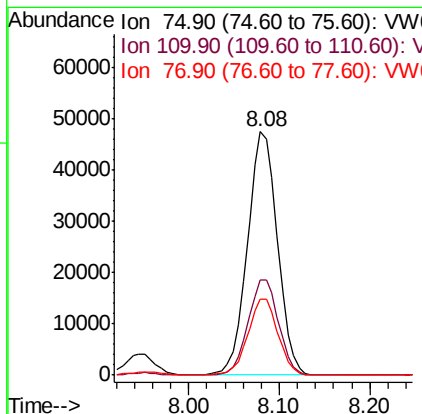
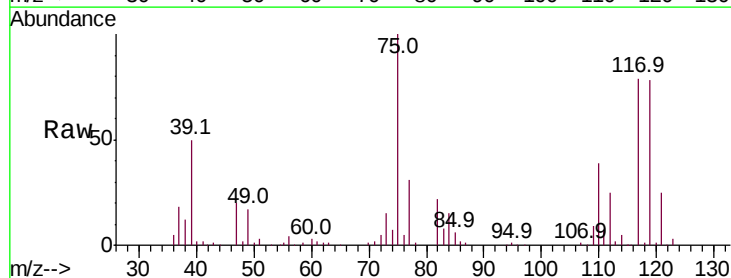
RT: 8.08 min Scan# 1013

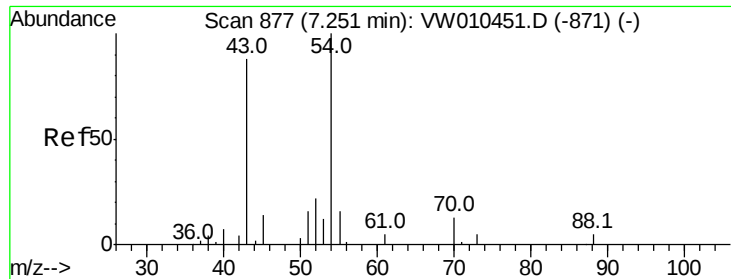
Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion:	75	Resp:	108461
Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.2	57.6
77	31.4	25.2	37.8





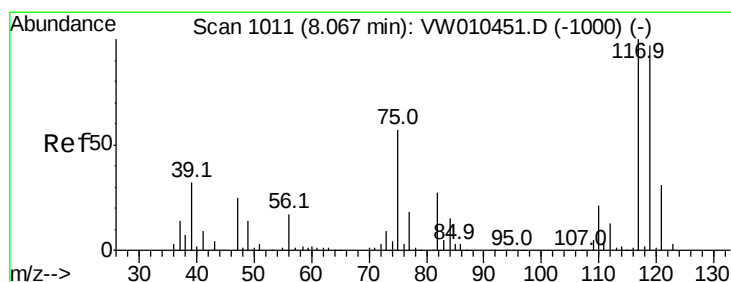
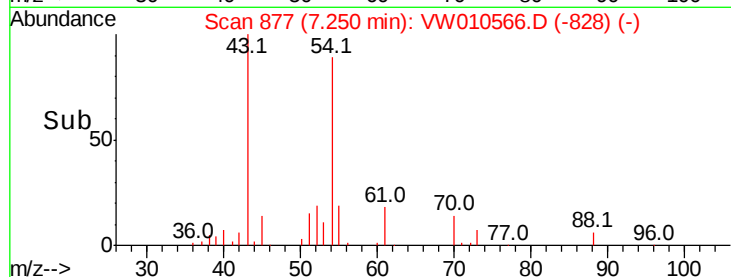
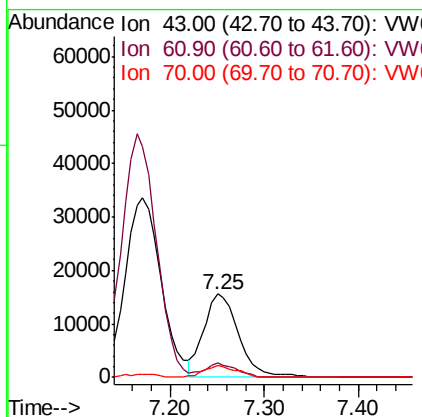
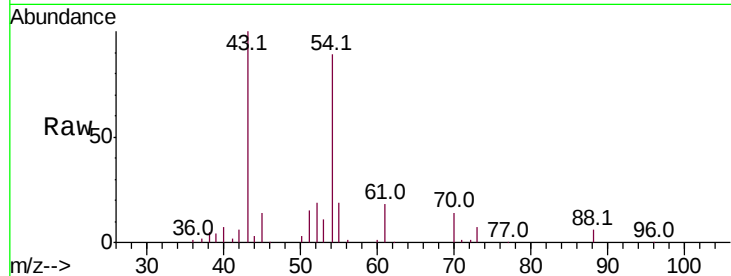
#37
Ethyl Acetate
Concen: 45.564 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	13.6	9.9	14.9

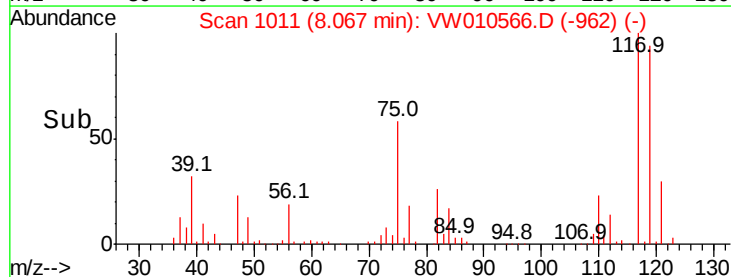
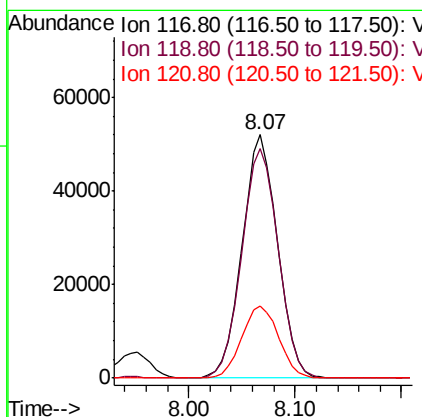
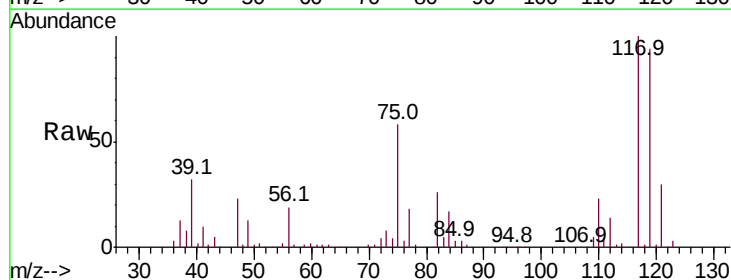
Manual Integrations
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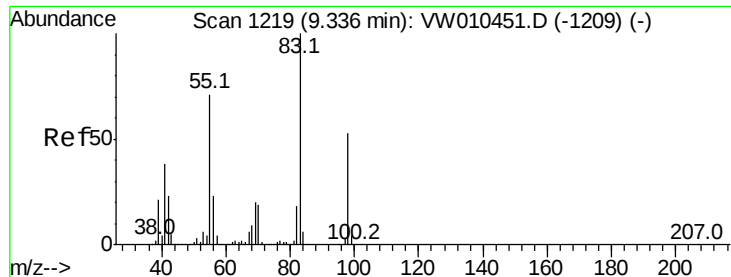
MMDadoda
5/29/2019 11:05:41 AM



#38
Carbon Tetrachloride
Concen: 55.361 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.4	116.0
121	29.7	25.0	37.6





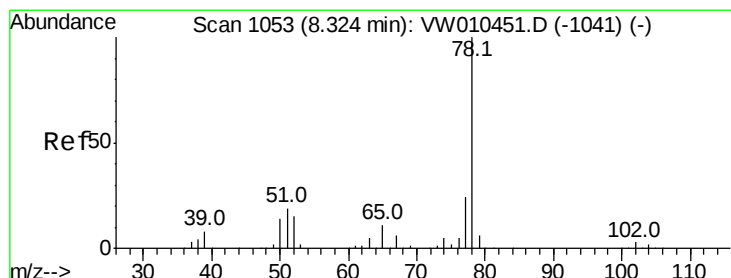
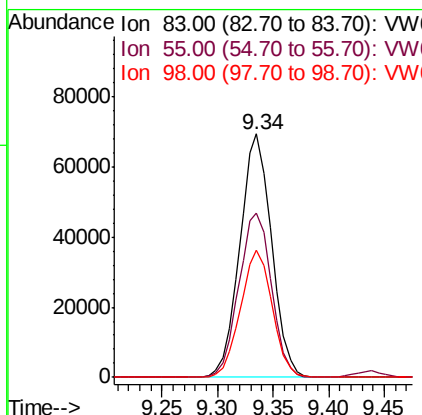
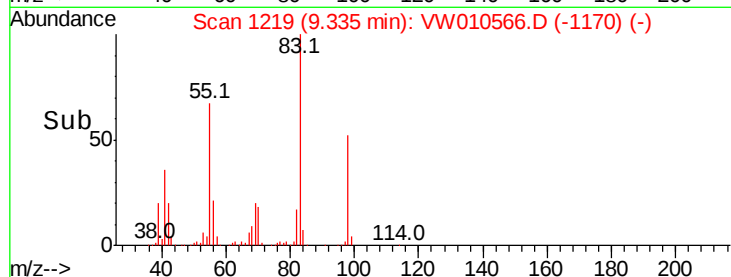
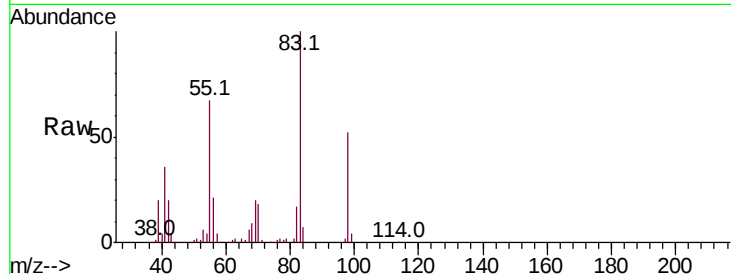
#39
Methvlcvclohexane
Concen: 50.382 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	67.4	57.0	85.6	
98	52.0	42.0	63.0	

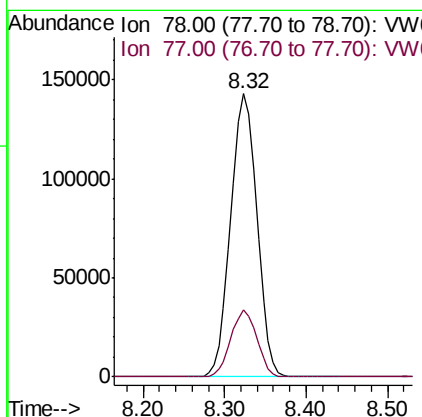
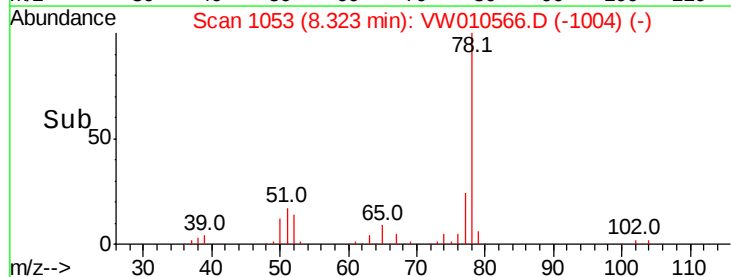
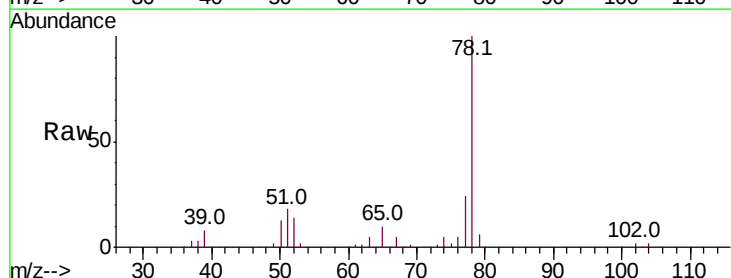
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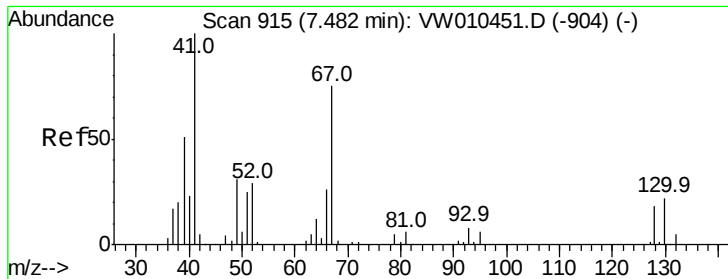
MMDadoda
5/29/2019 11:05:41 AM



#40
Benzene
Concen: 56.131 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.9	28.3	





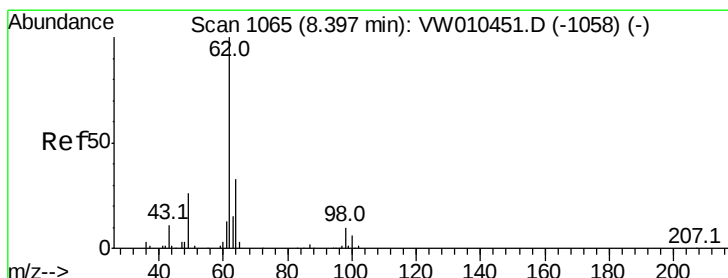
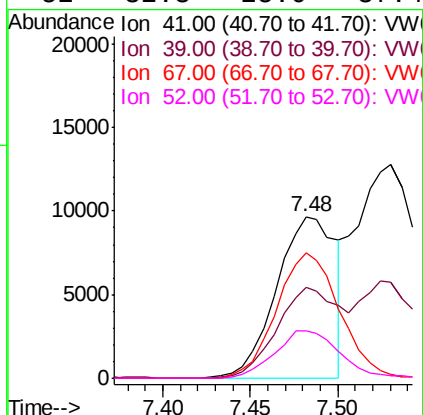
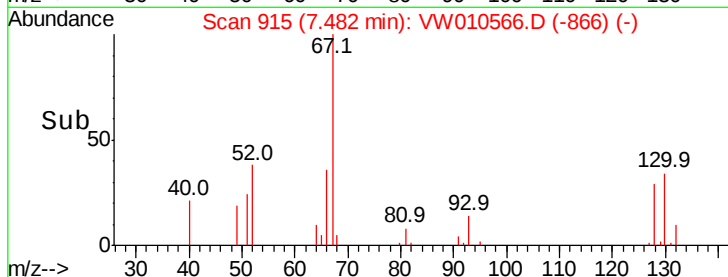
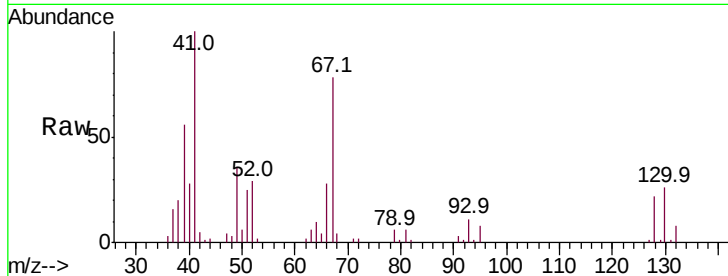
#41
Methacrylonitrile
Concen: 44.465 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.1	47.4	71.2
67	82.4	65.5	98.3
52	32.3	25.0	37.4

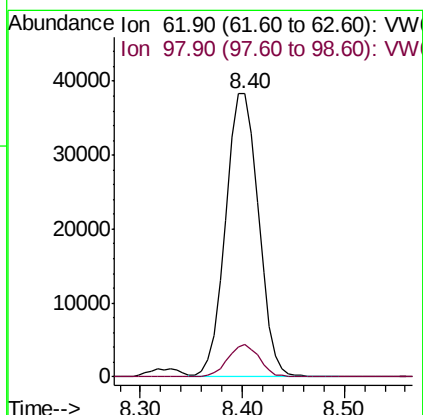
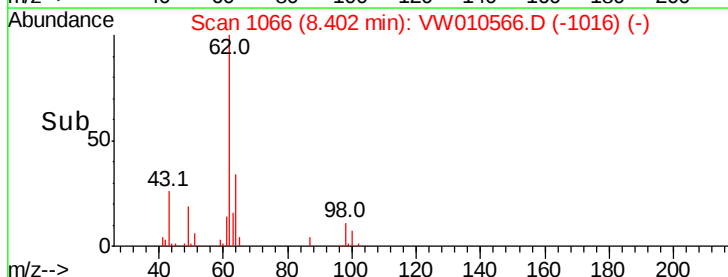
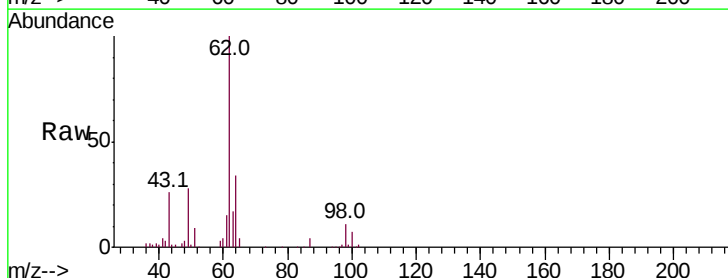
Manual Integrations
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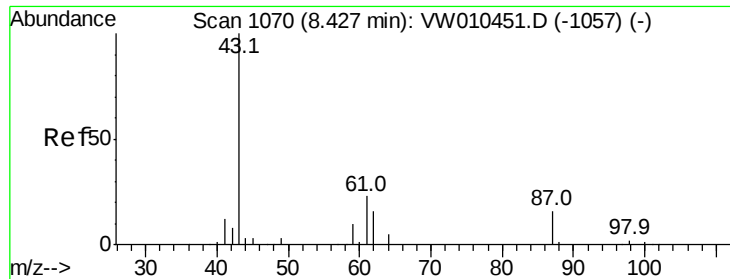
MMDadoda
5/29/2019 11:05:41 AM



#42
1,2-Dichloroethane
Concen: 53.201 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 47.843 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

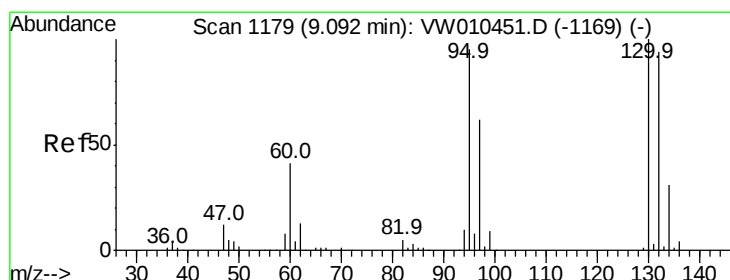
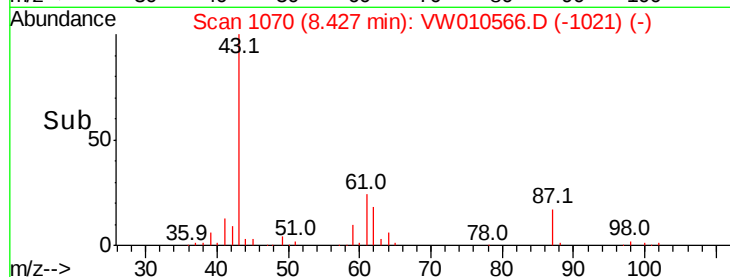
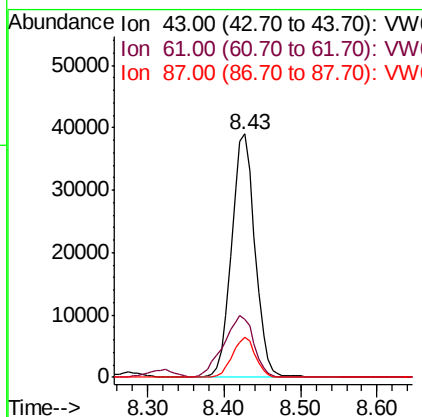
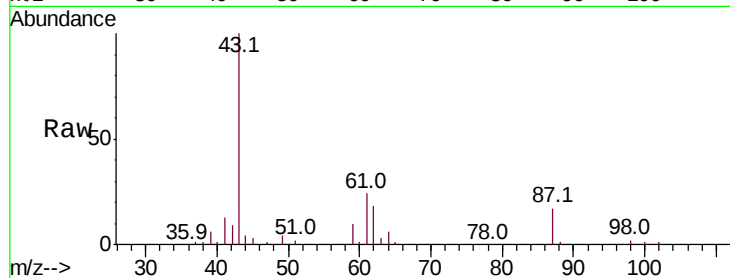
ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:	43	Resp:	82683
Ion	Ratio	Lower	Upper
43	100		
61	32.7	25.4	38.2
87	15.9	12.7	19.1

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#44

Trichloroethene

Concen: 57.240 ug/l

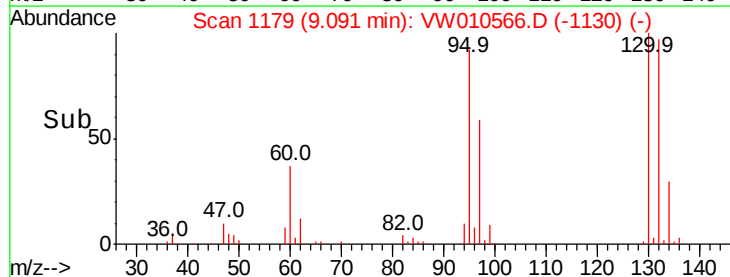
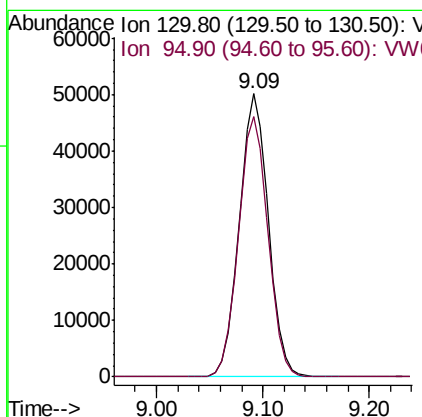
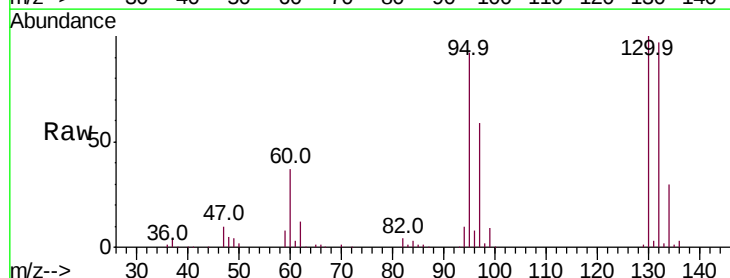
RT: 9.09 min Scan# 1179

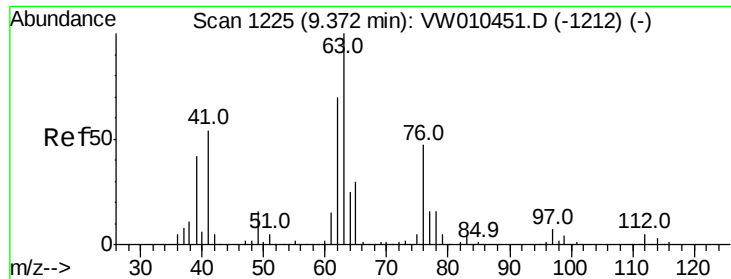
Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion:	130	Resp:	96084
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	189.6





#45

1,2-Dichloropropane

Concen: 54.733 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 63 Resp: 73499

Ion Ratio Lower Upper

63 100

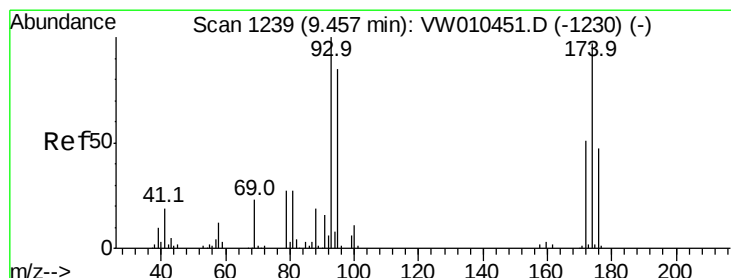
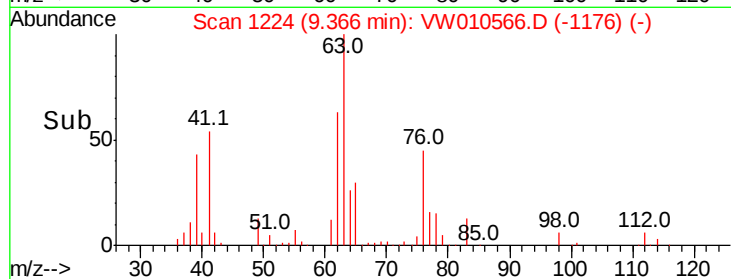
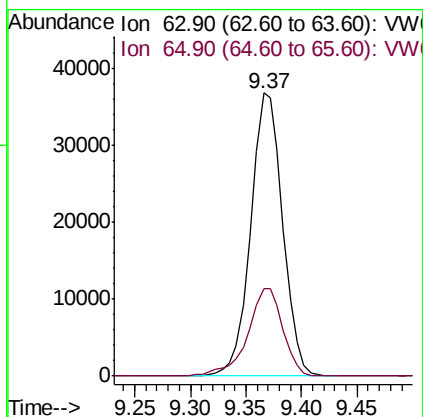
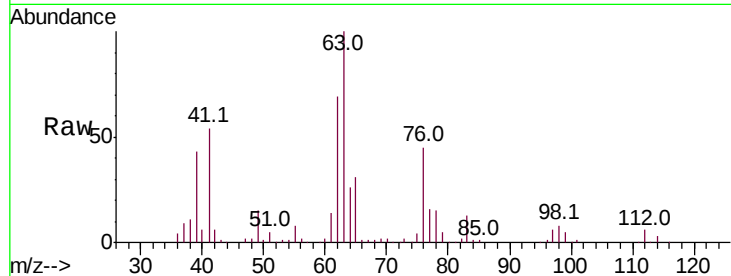
65 30.8 24.3 36.5

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#46

Dibromomethane

Concen: 53.905 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

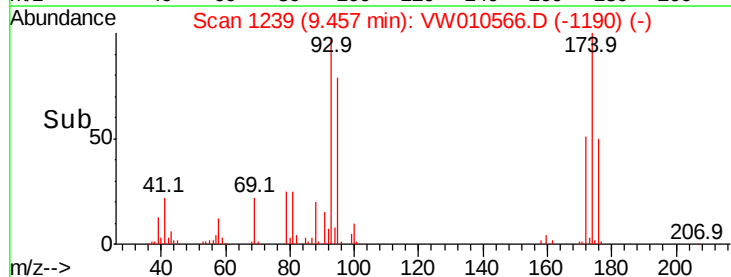
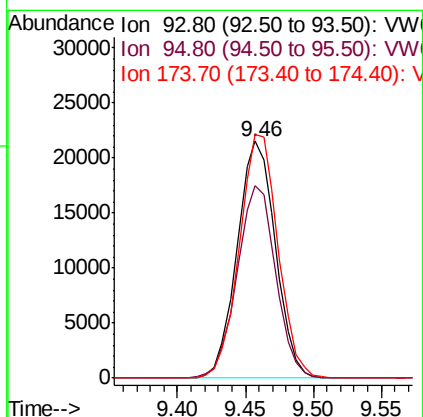
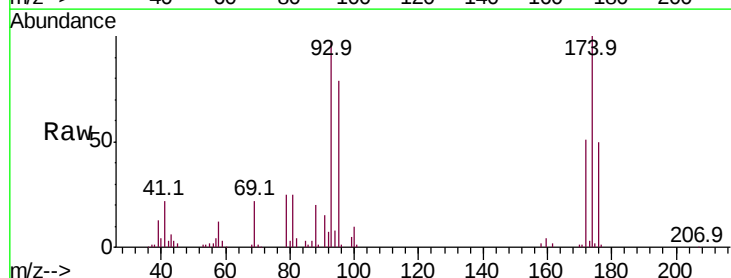
Tgt Ion: 93 Resp: 42333

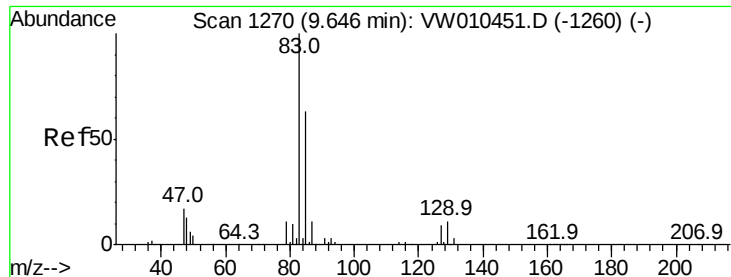
Ion Ratio Lower Upper

93 100

95 81.9 66.1 99.1

174 103.6 77.1 115.7





#47

Bromodichloromethane

Concen: 54.690 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

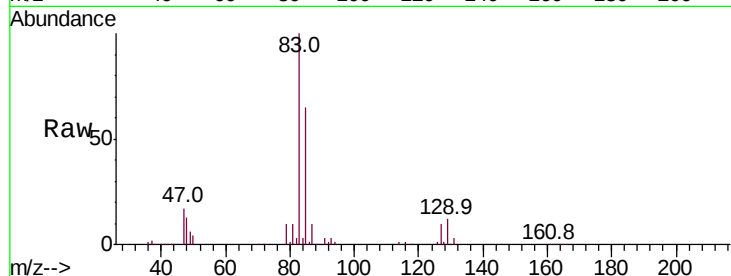
ClientSampleId :

FESB-27(3.5-4)MS

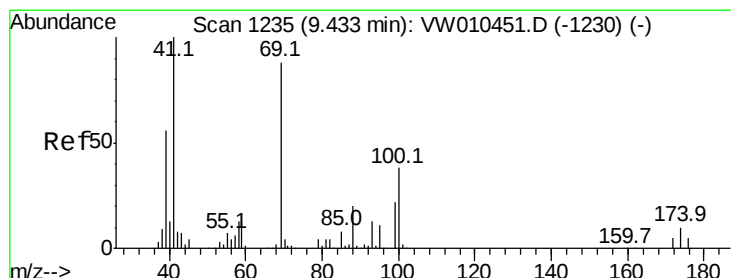
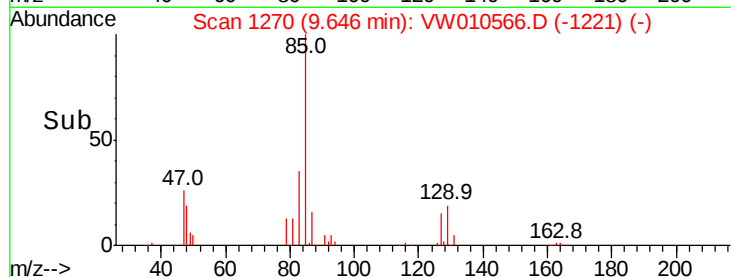
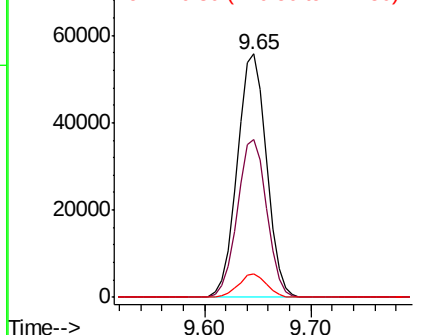
Tot Ion	83	Resp	107931
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.4	75.6
127	9.6	7.4	11.0

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



#48

Methyl methacrylate

Concen: 46.687 ug/l

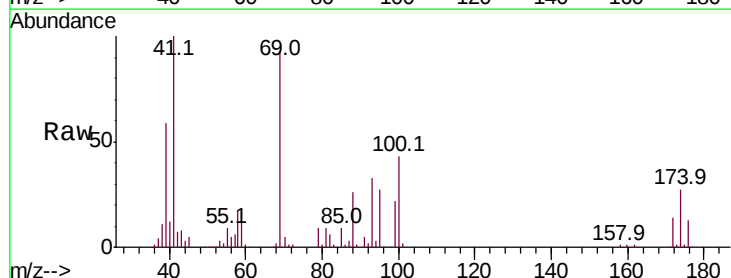
RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

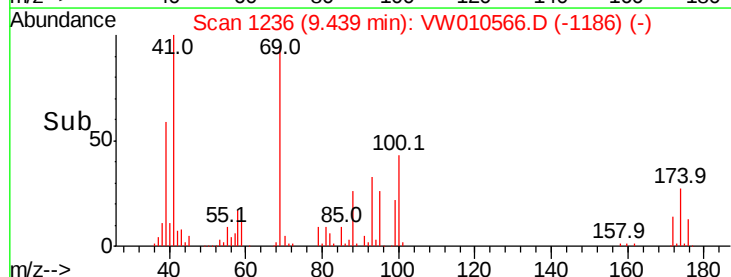
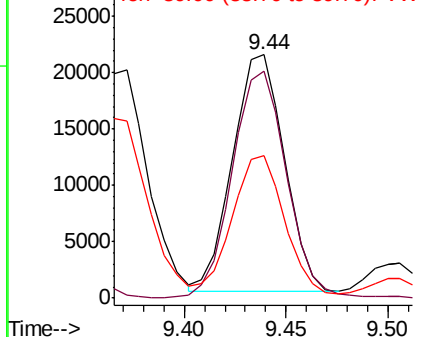
Lab File: VW010566.D

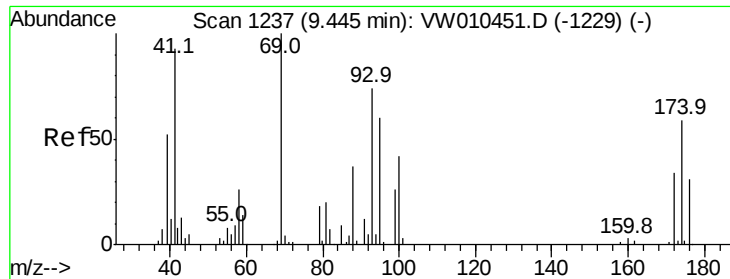
Acq: 28 May 2019 14:44

Tgt Ion	41	Resp	36913
Ion Ratio	Lower	Upper	
41	100		
69	101.2	77.6	116.4
39	62.8	49.8	74.8



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





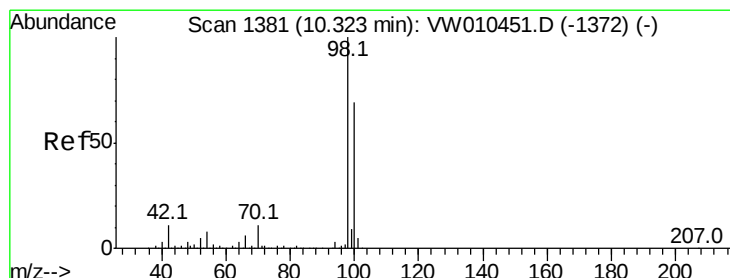
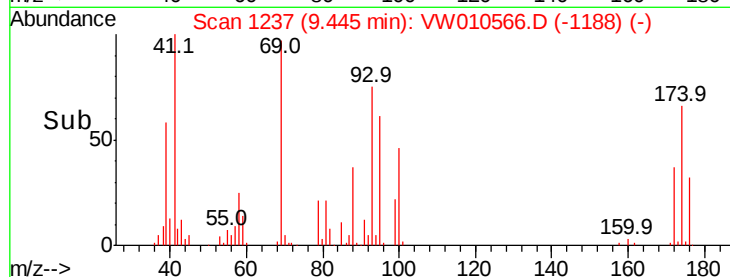
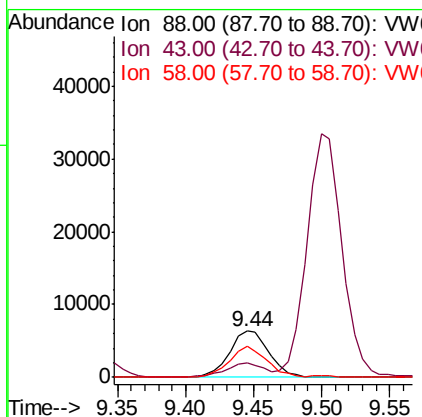
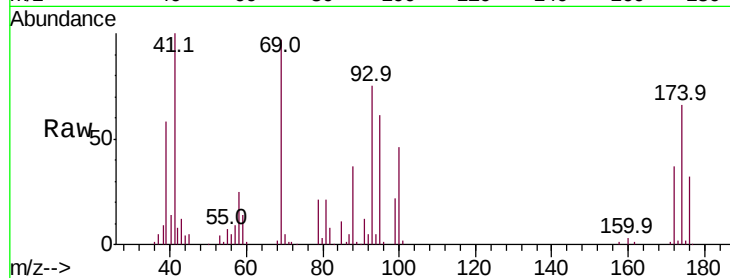
#49
1,4-Dioxane
Concen: 999.233 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.9	38.9
58	64.0	52.7	79.1

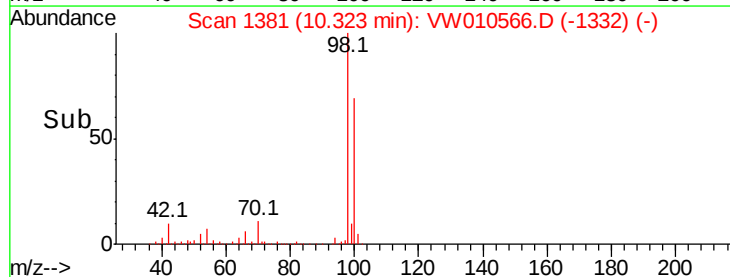
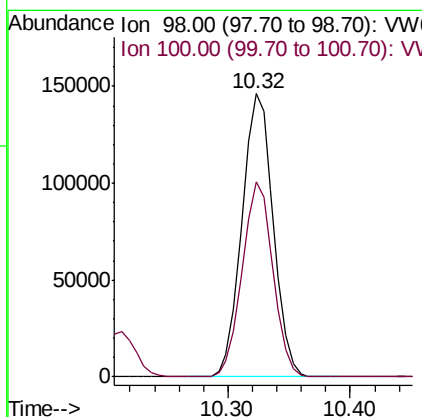
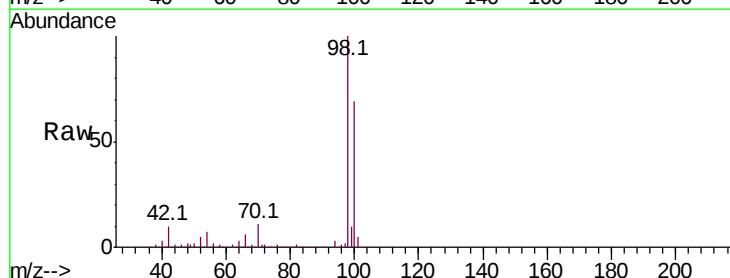
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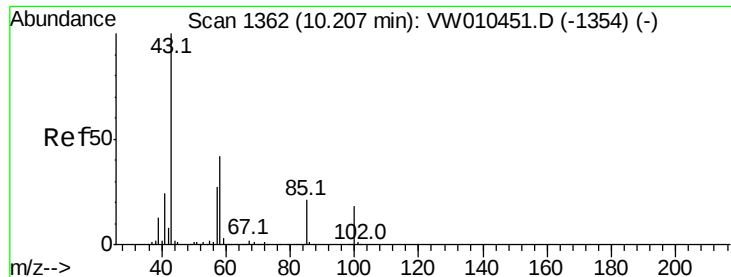
MMDadoda
5/29/2019 11:05:41 AM



#50
Toluene-d8
Concen: 51.209 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 236.567 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 43 Resp: 207169

Ion Ratio Lower Upper

43 100

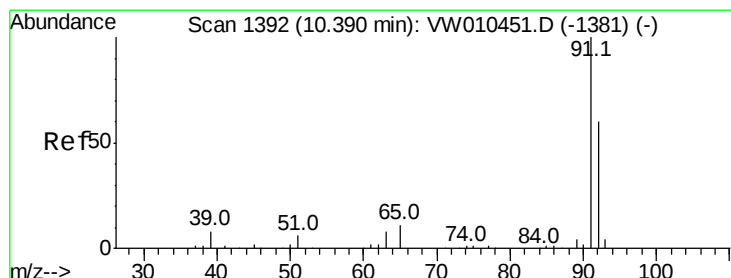
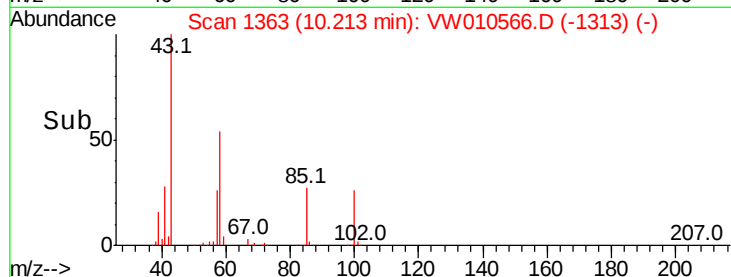
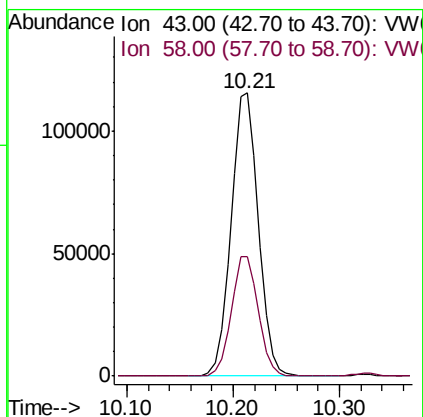
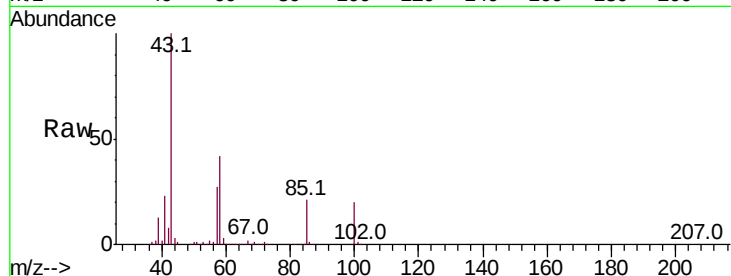
58 41.9 33.2 49.8

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#52

Toluene

Concen: 57.370 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010566.D

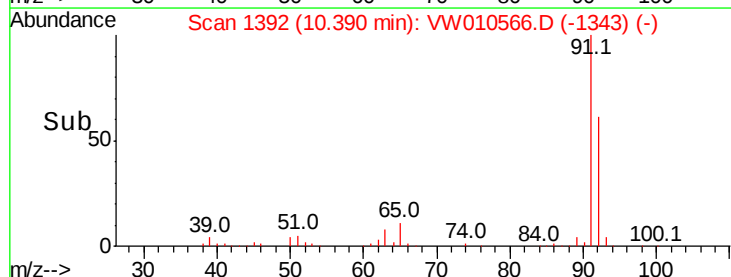
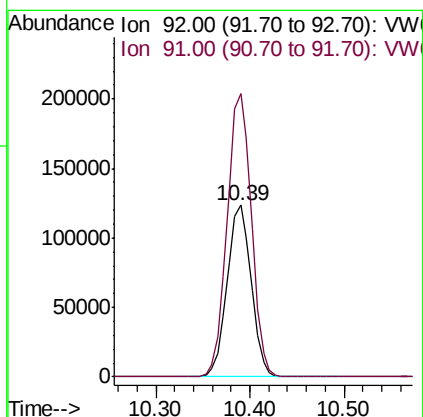
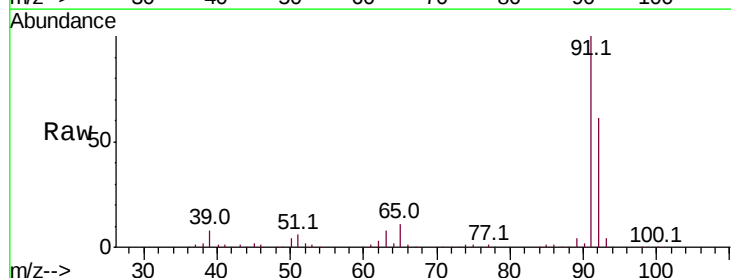
Acq: 28 May 2019 14:44

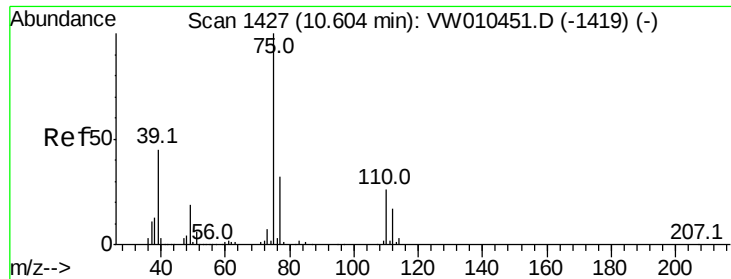
Tgt Ion: 92 Resp: 217845

Ion Ratio Lower Upper

92 100

91 167.3 135.4 203.0





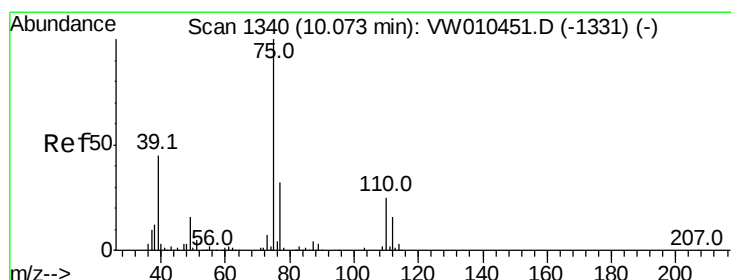
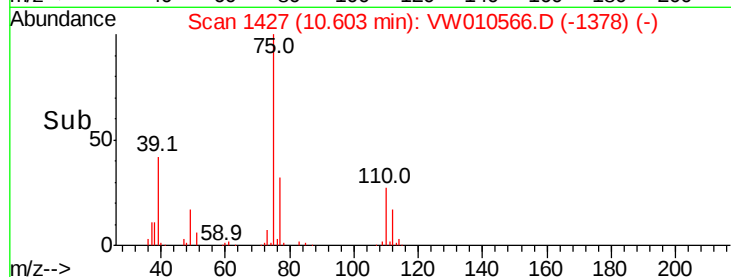
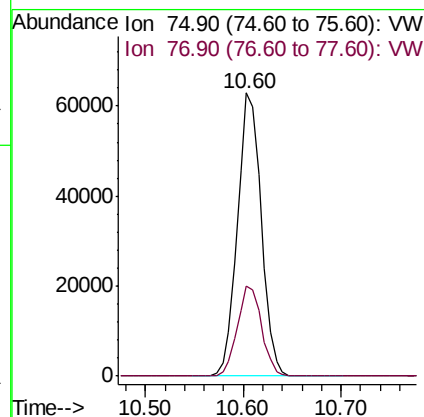
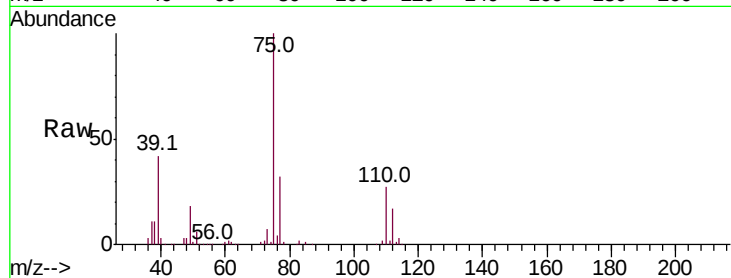
#53
t-1,3-Dichloropropene
Concen: 53.146 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion: 75 Resp: 106225
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0

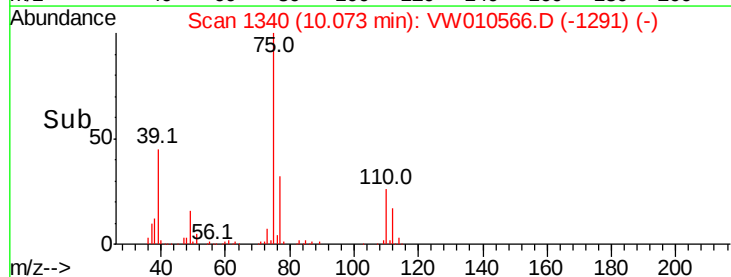
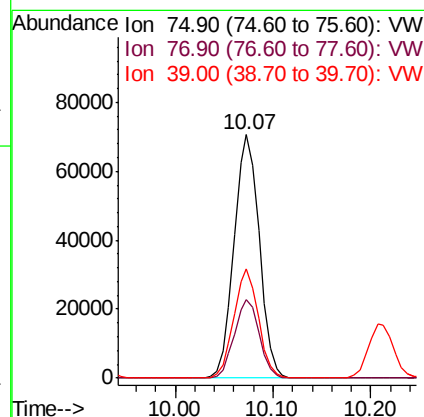
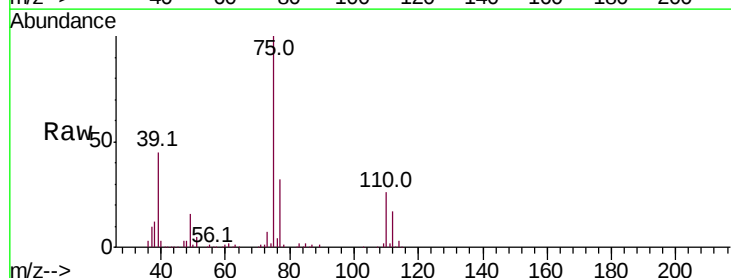
Manual Integrations
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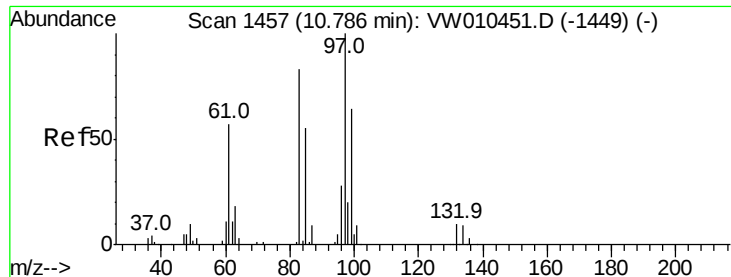
MMDadoda
5/29/2019 11:05:41 AM



#54
cis-1,3-Dichloropropene
Concen: 55.254 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion: 75 Resp: 126125
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
39 44.7 36.2 54.4





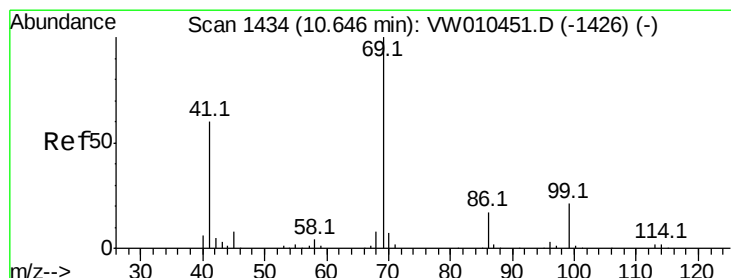
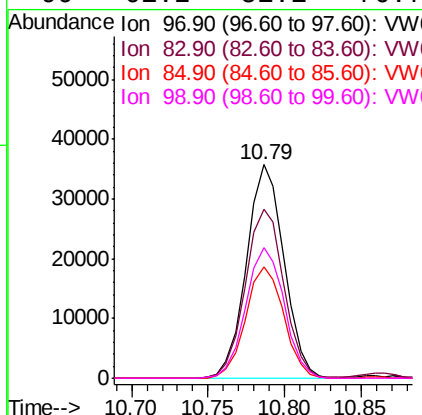
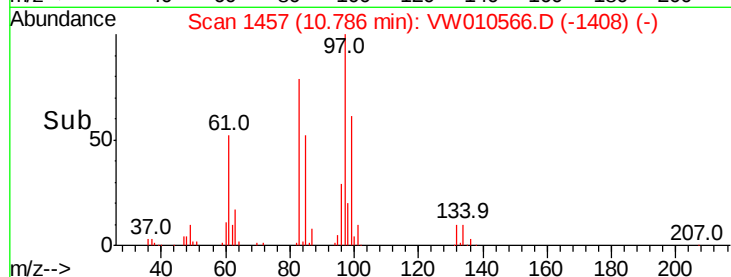
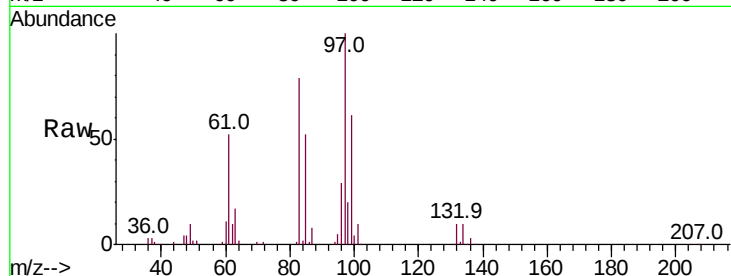
#55
 1,1,2-Trichloroethane
 Concen: 54.057 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion:	97	Resp:	61047
Ion	Ratio	Lower	Upper
97	100		
83	79.2	66.1	99.1
85	51.9	44.2	66.4
99	61.2	51.1	76.7

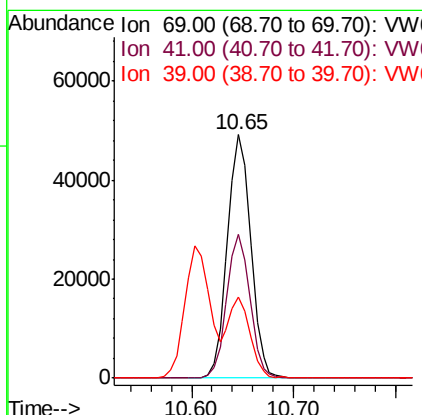
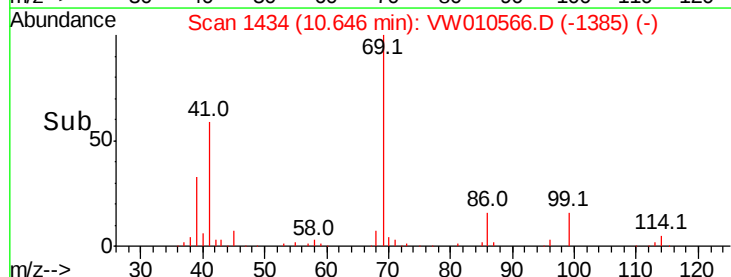
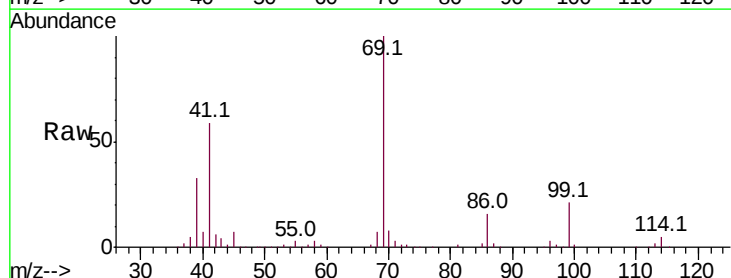
Manual Integrations
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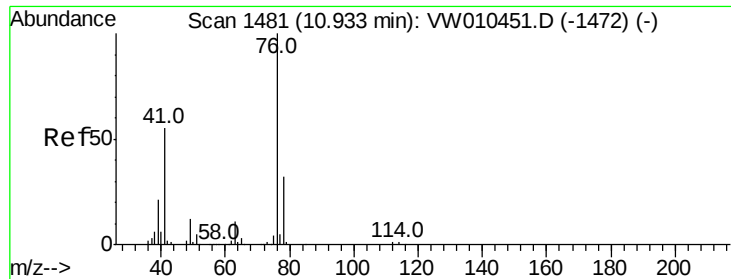
MMDadoda
 5/29/2019 11:05:41 AM



#56
 Ethyl methacrylate
 Concen: 50.305 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion:	69	Resp:	78350
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.7	71.5
39	31.3	25.3	37.9





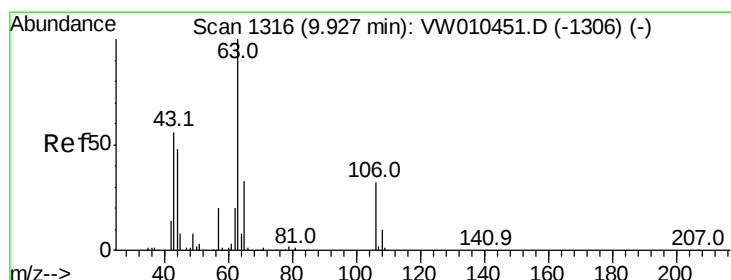
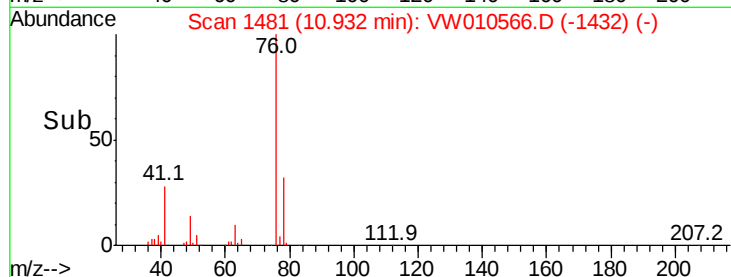
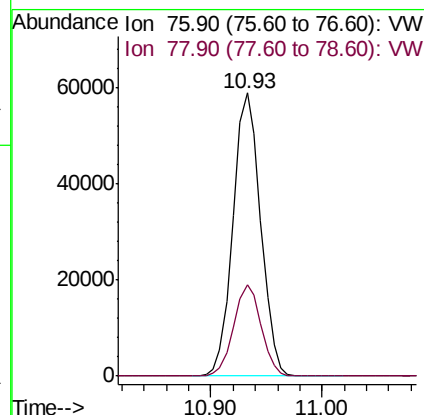
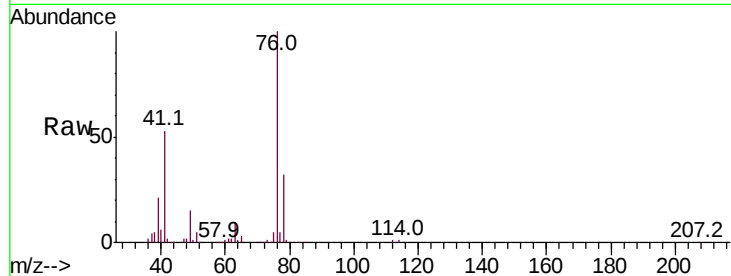
#57
 1,3-Dichloropropane
 Concen: 53.358 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2

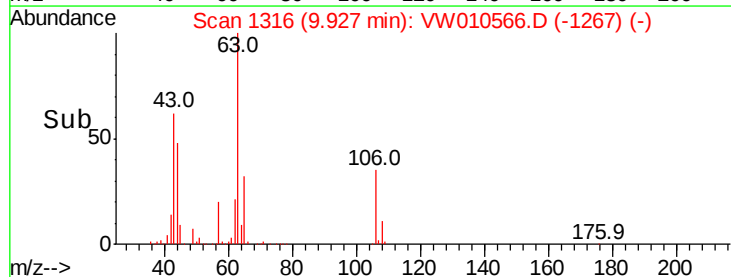
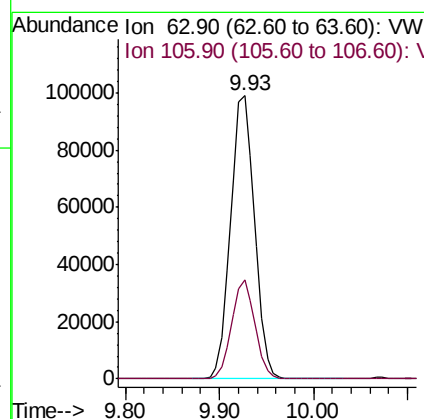
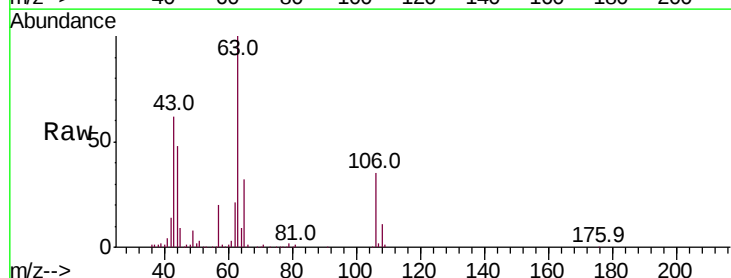
Manual Integrations
 APPROVED

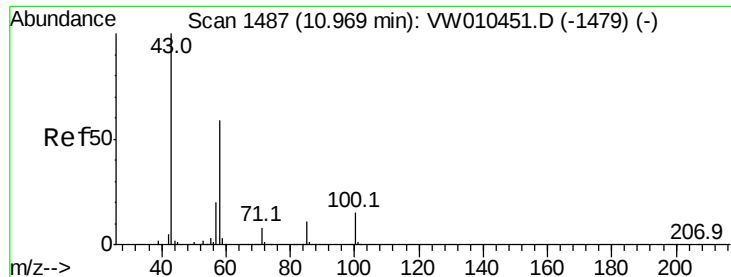
MMDadoda
 5/29/2019 11:05:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.165 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.7	25.8	38.6





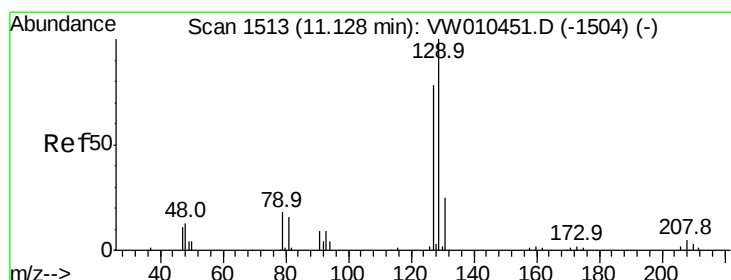
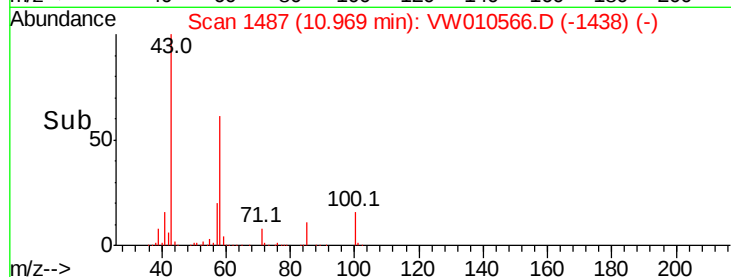
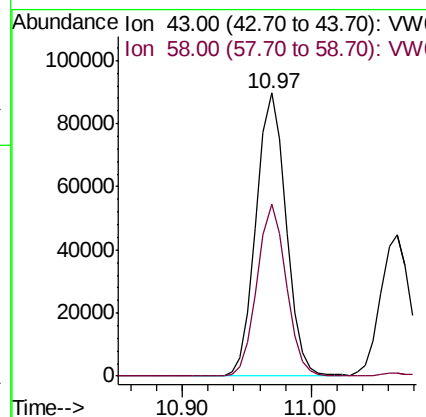
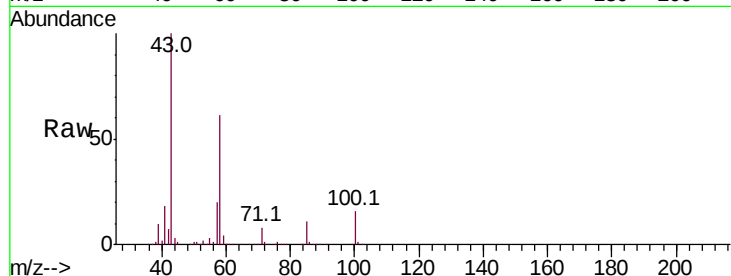
#59
2-Hexanone
Concen: 230.846 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	43	58	Ratio	100	Resp	144210
Ion	43	58	Ratio	100	Lower	Upper
					28.9	86.8

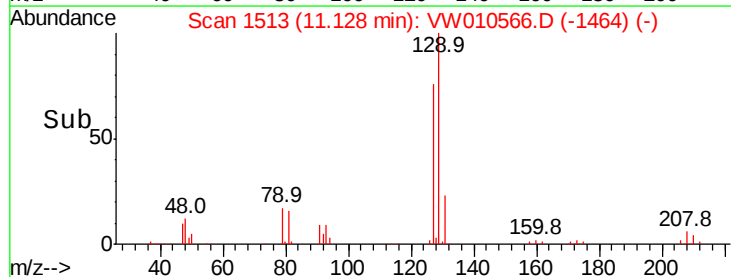
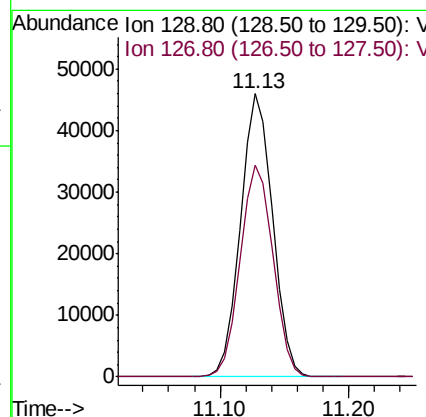
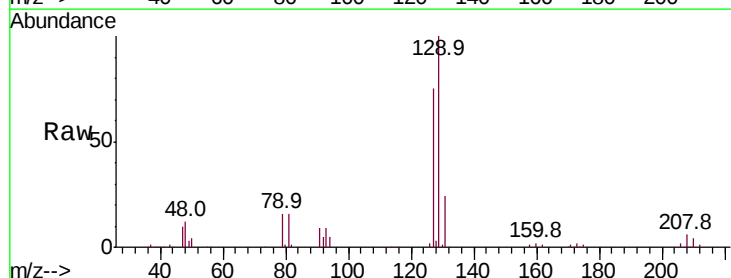
Manual Integrations
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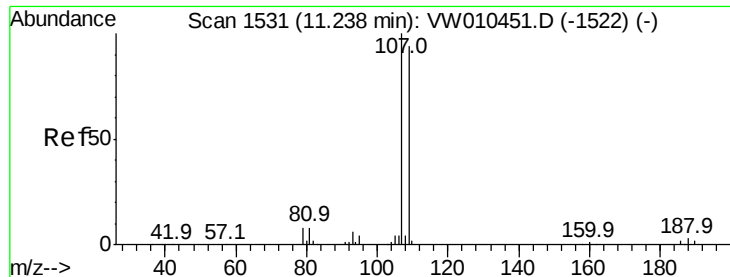
MMDadoda
5/29/2019 11:05:41 AM



#60
Dibromochloromethane
Concen: 55.414 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	129	127	Ratio	100	Resp	79201
Ion	129	127	Ratio	100	Lower	Upper
					38.9	116.7





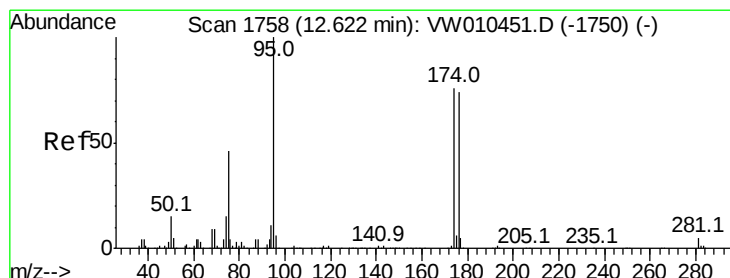
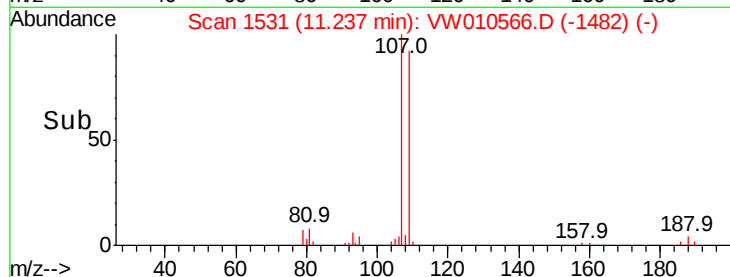
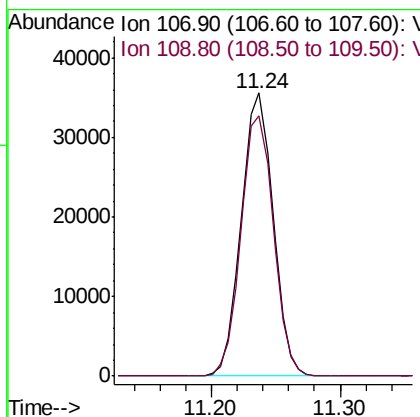
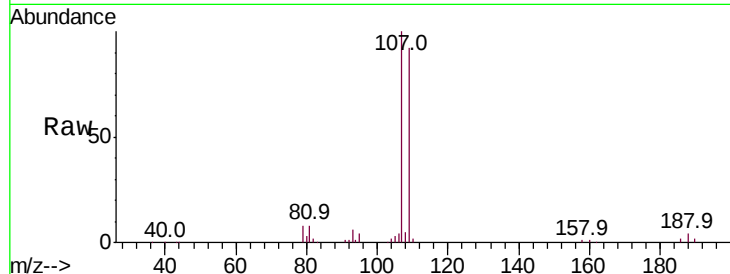
#61
 1,2-Dibromoethane
 Concen: 53.155 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.4

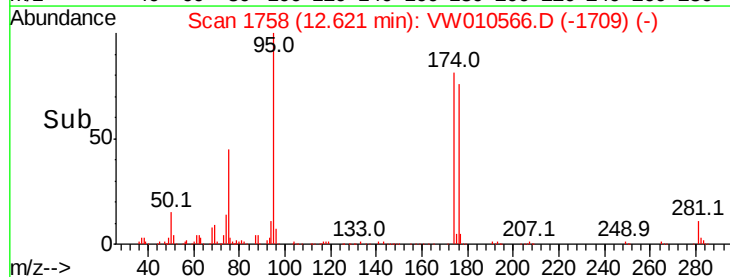
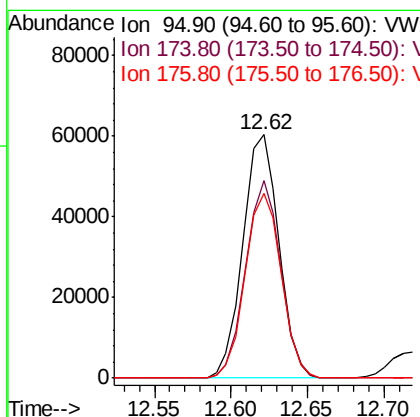
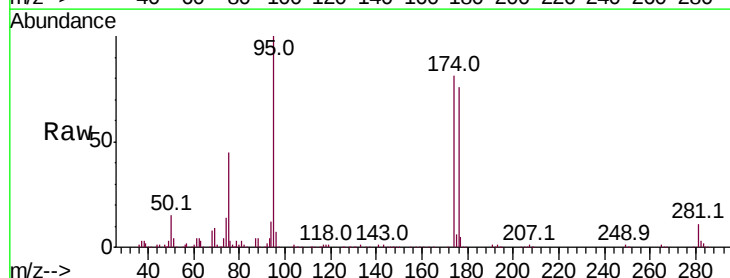
Manual Integrations
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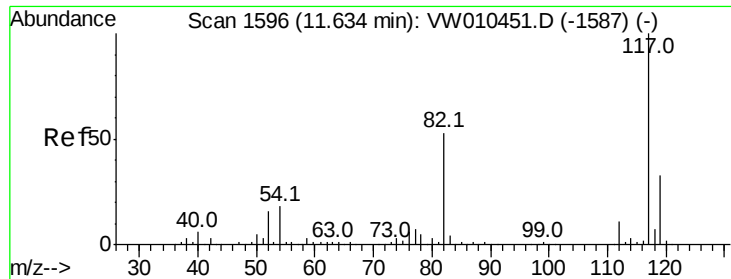
MMDadoda
 5/29/2019 11:05:41 AM



#62
 4-Bromofluorobenzene
 Concen: 49.075 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	148.6
176	76.1	0.0	144.2





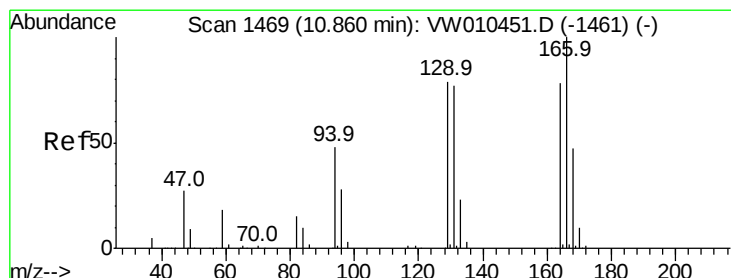
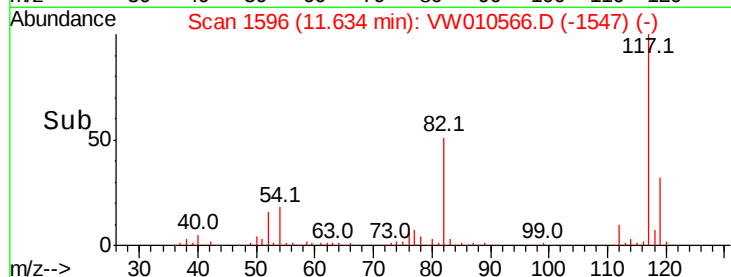
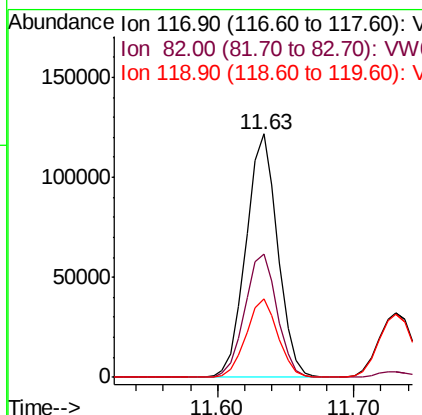
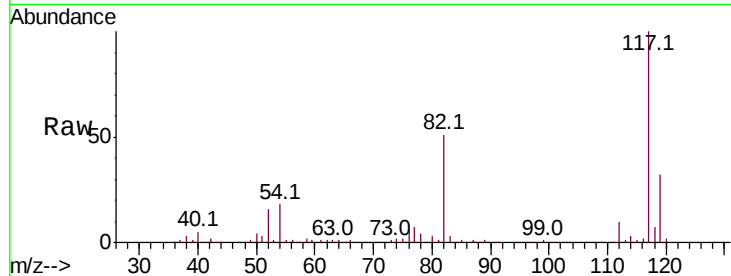
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	198356		
82	50.6	42.8	64.2	
119	32.0	26.3	39.5	

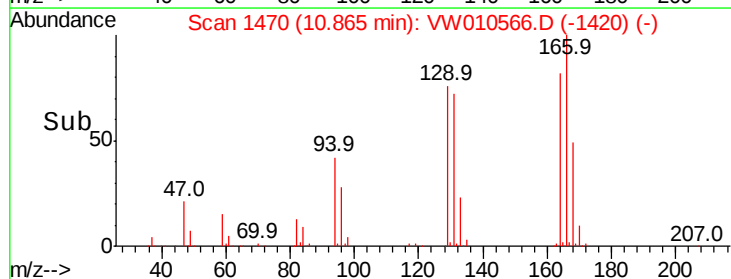
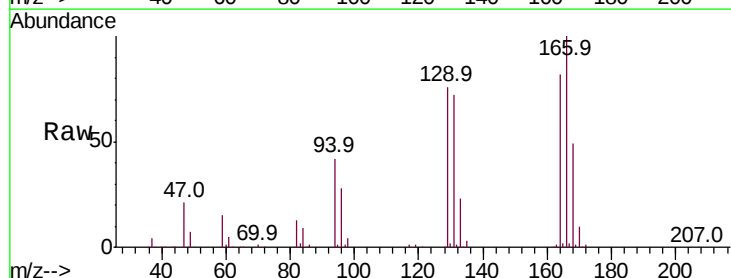
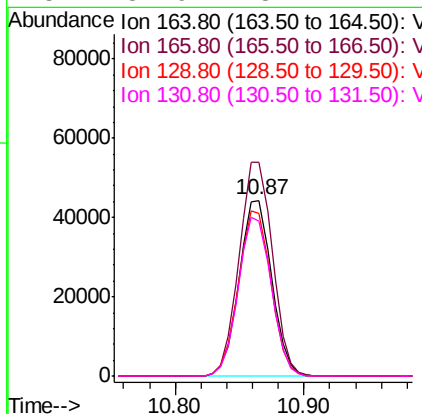
Manual Integrations
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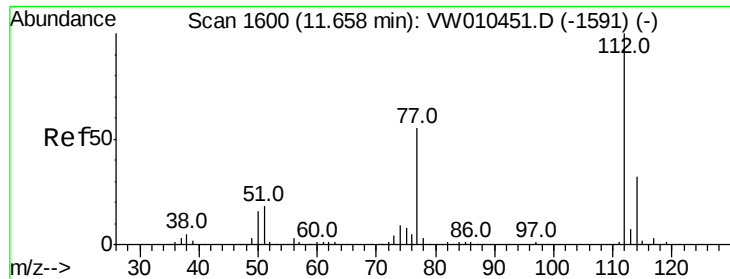
MMDadoda
5/29/2019 11:05:41 AM



#64
Tetrachloroethene
Concen: 56.099 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77570		
166	121.5	101.9	152.9	
129	92.2	80.6	121.0	
131	87.9	78.2	117.2	





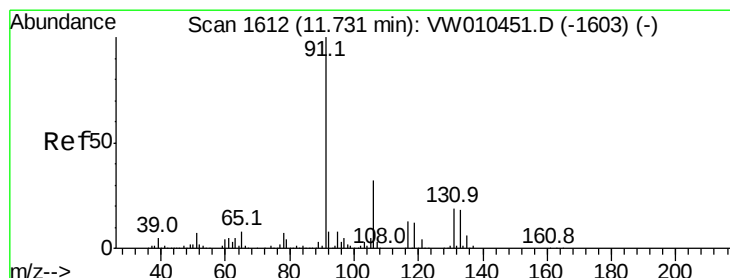
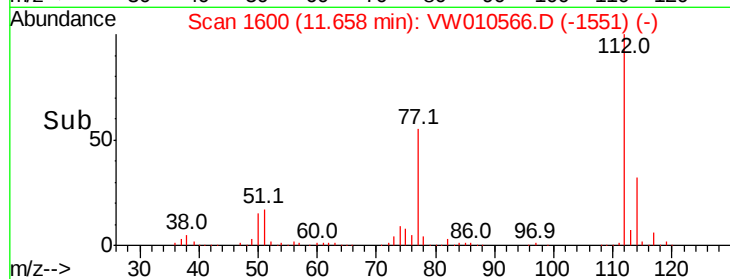
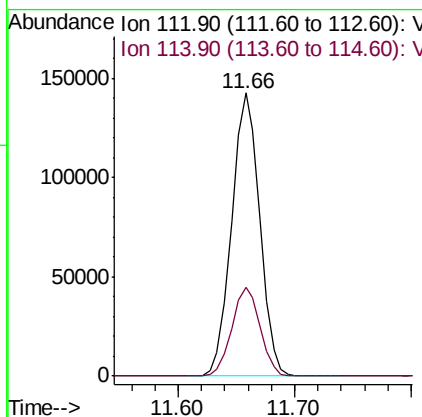
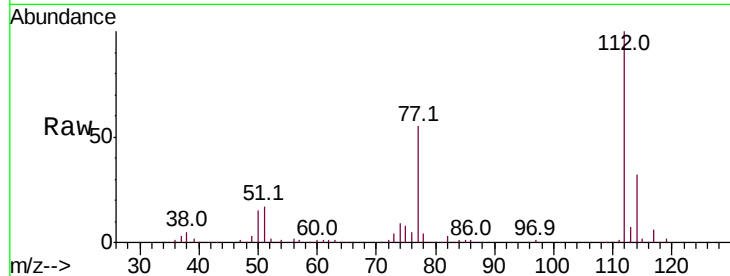
#65
Chlorobenzene
Concen: 56.513 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion:112 Resp: 238905
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

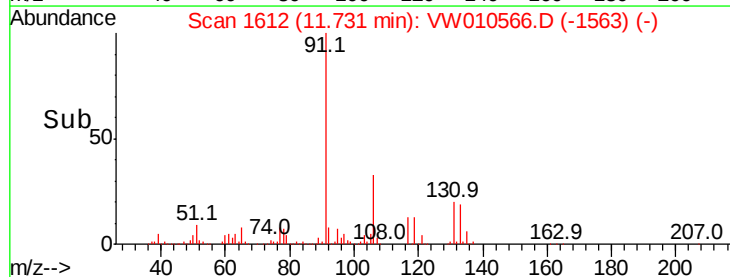
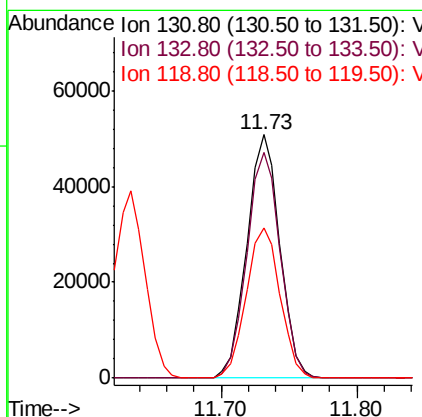
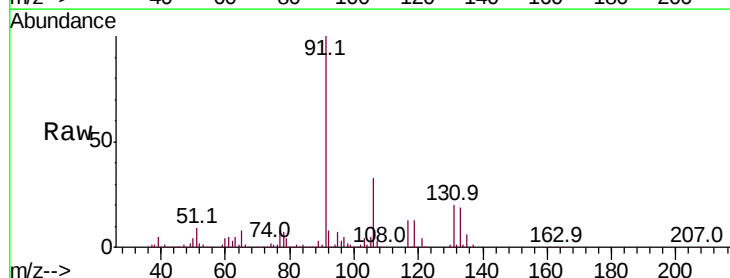
Manual Integrations
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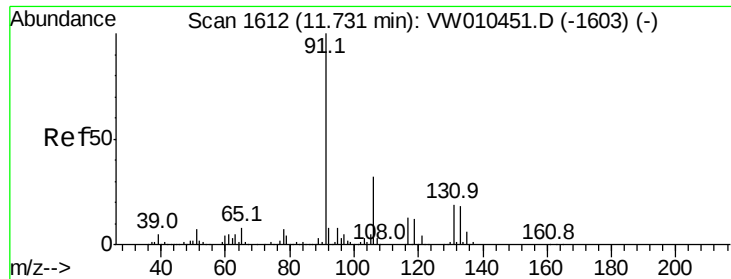
MMDadoda
5/29/2019 11:05:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.037 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion:131 Resp: 86375
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 63.4 32.1 96.5





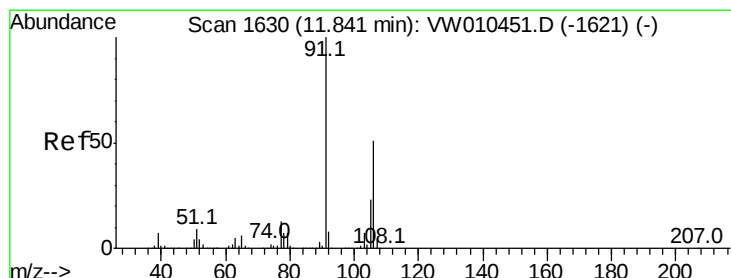
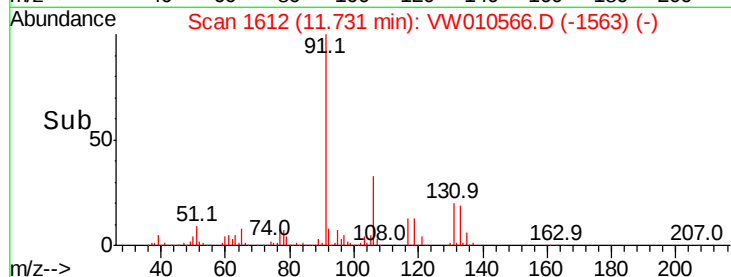
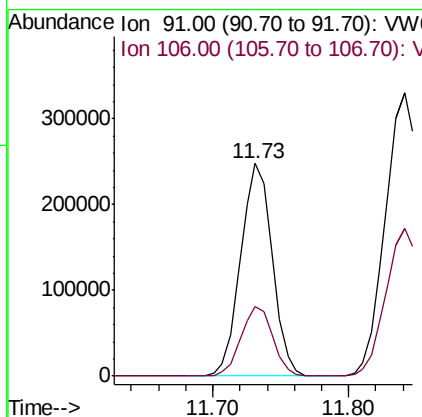
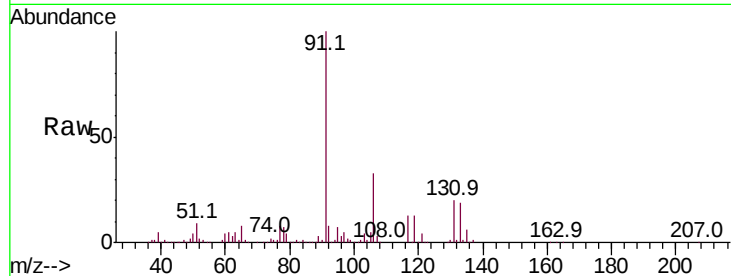
#67
Ethyl Benzene
Concen: 54.069 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	91	106	Resp	403552
Ion Ratio	100	32.9	Lower	Upper
		25.9		38.9

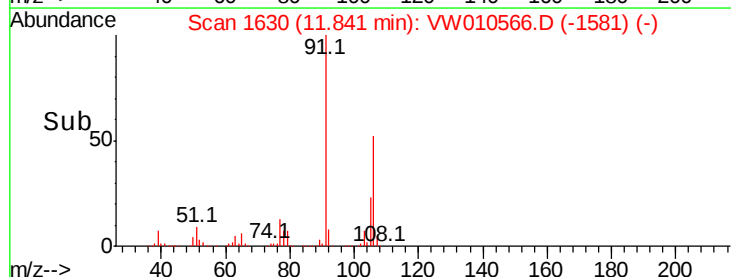
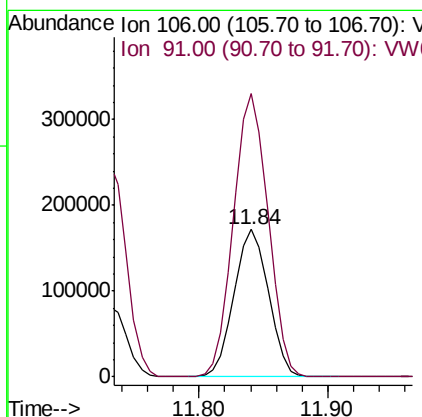
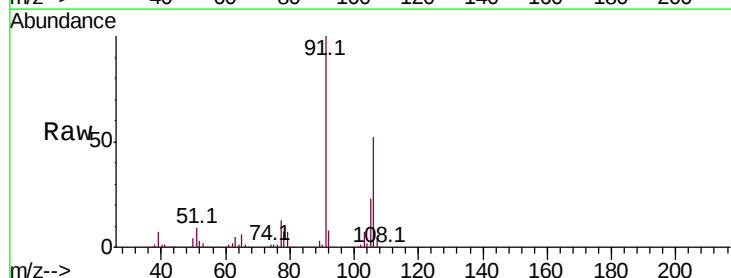
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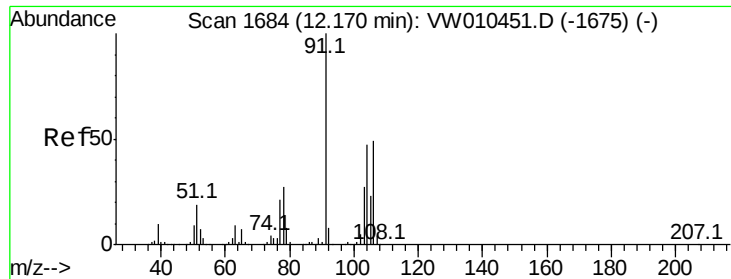
MMDadoda
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#68
m/p-Xylenes
Concen: 109.448 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	106	91	Resp	320409
Ion Ratio	100	192.7	Lower	Upper
		156.0		234.0





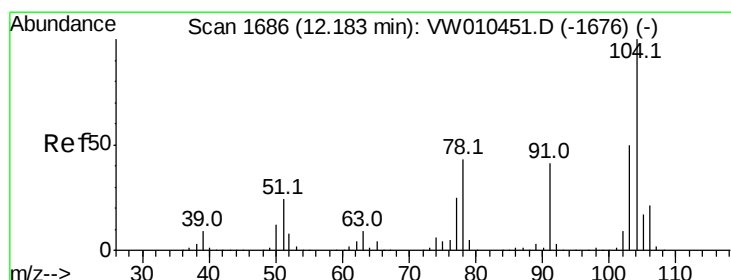
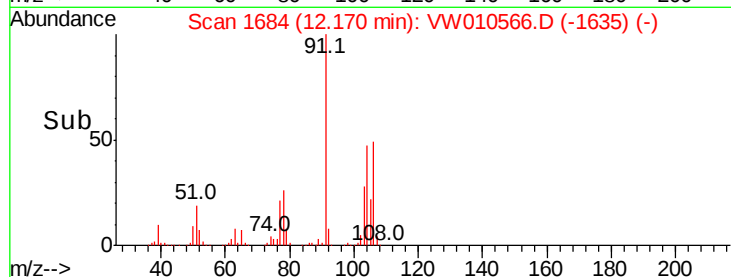
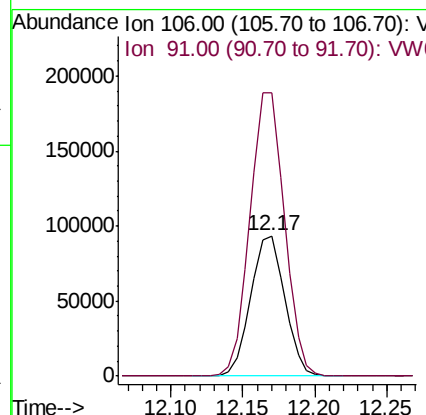
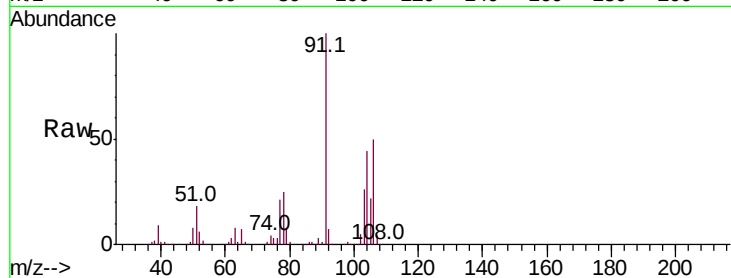
#69
o-Xylene
Concen: 55.183 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.9	103.2	309.4

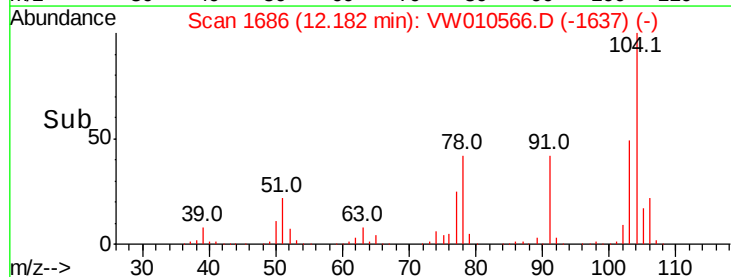
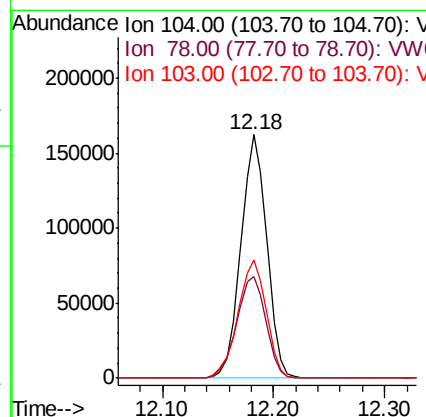
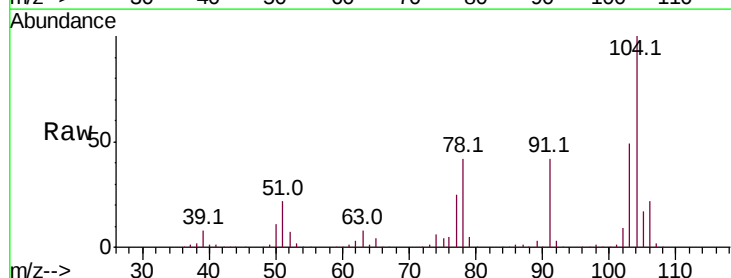
Manual Integrations
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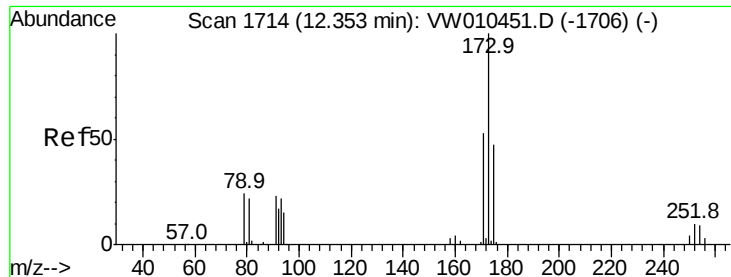
MMDadoda
5/29/2019 11:05:41 AM



#70
Styrene
Concen: 55.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	39.0	58.4
103	53.1	43.0	64.6





#71

Bromoform

Concen: 52.610 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:173 Resp: 43873

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.4

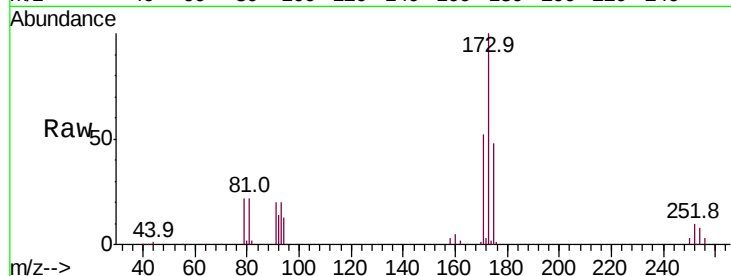
254 0.0 0.0 0.0

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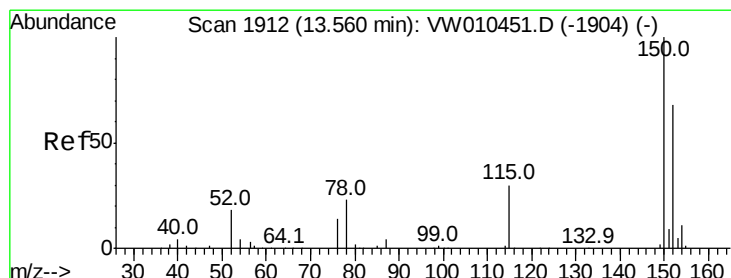
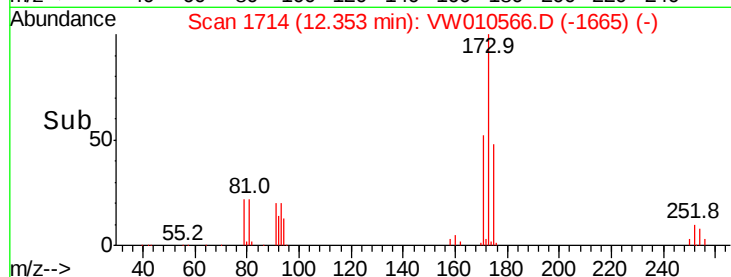
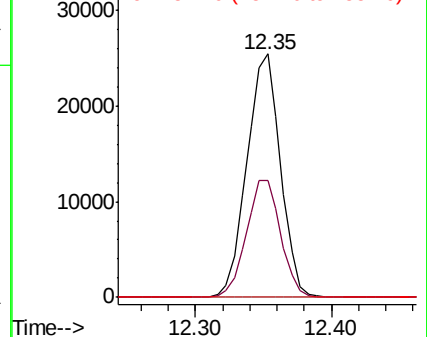
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

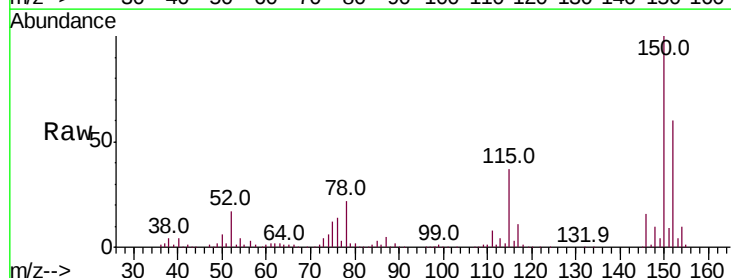
Tgt Ion:152 Resp: 98236

Ion Ratio Lower Upper

152 100

115 59.3 30.3 91.0

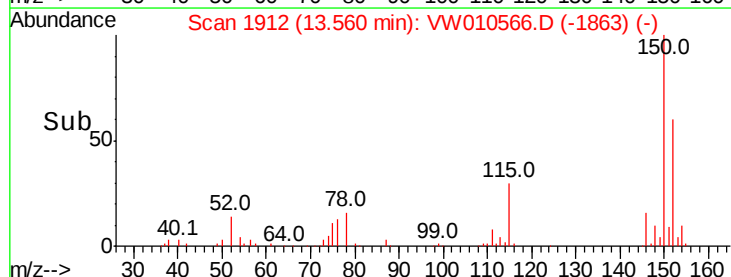
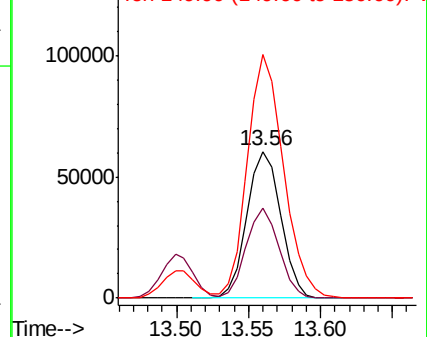
150 178.0 0.0 349.8

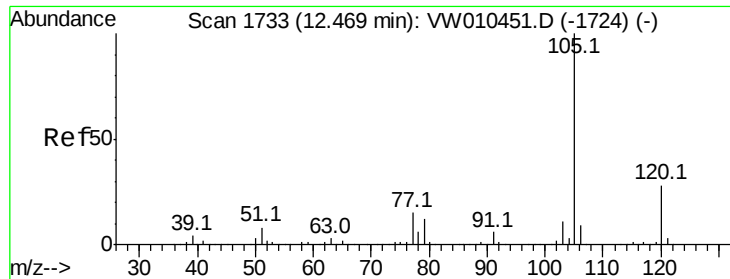


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.594 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:105 Resp: 402192

Ion Ratio Lower Upper

105 100

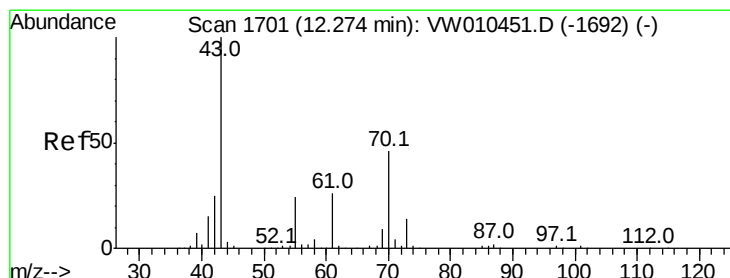
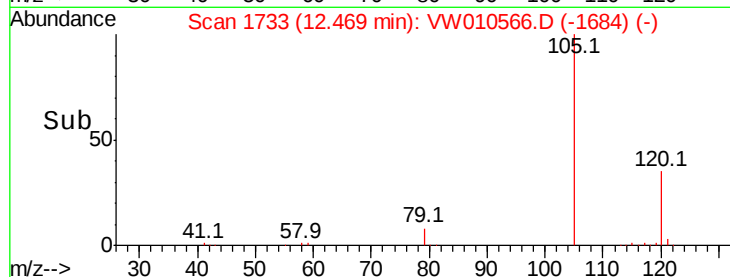
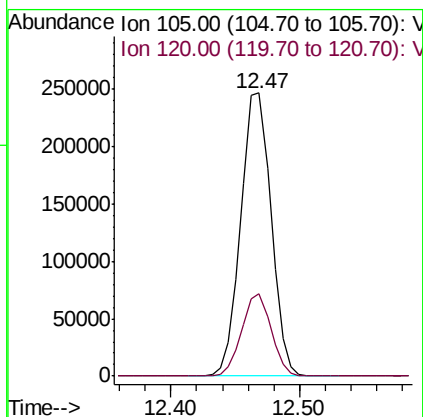
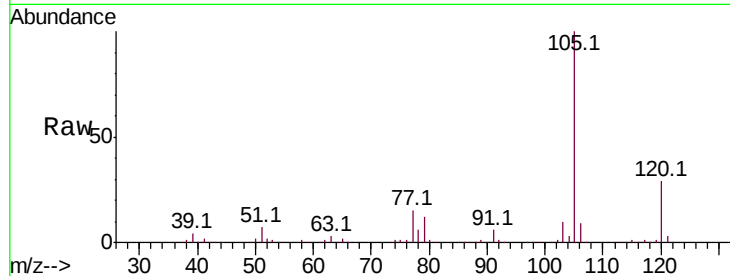
120 28.2 13.9 41.7

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#74

N-ethyl acetate

Concen: 44.072 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion: 43 Resp: 78727

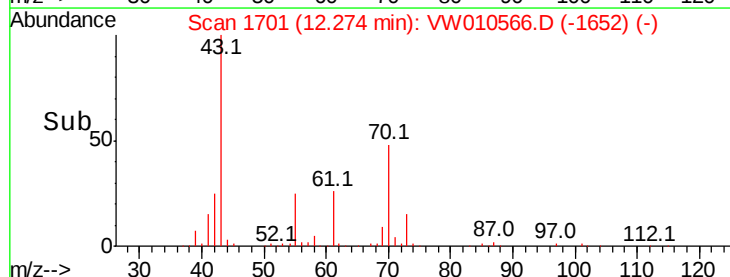
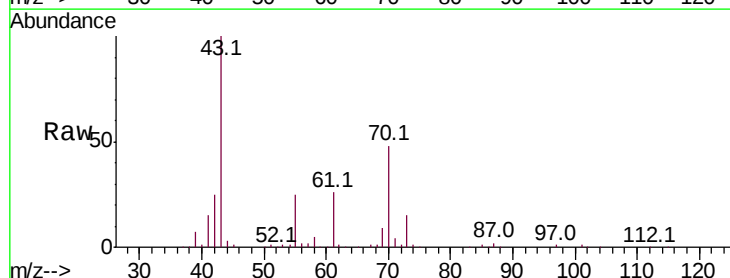
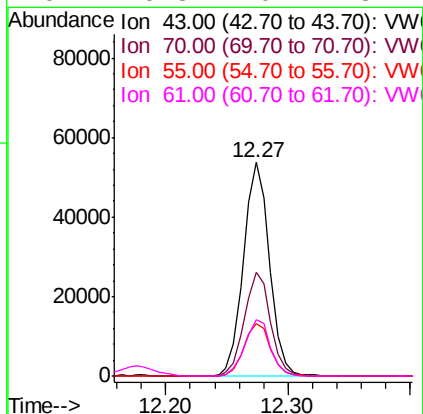
Ion Ratio Lower Upper

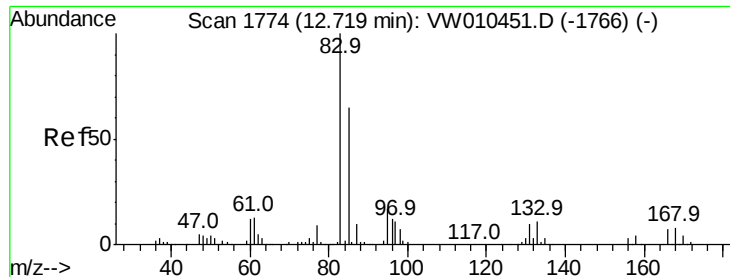
43 100

70 48.9 37.1 55.7

55 25.6 19.6 29.4

61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.405 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

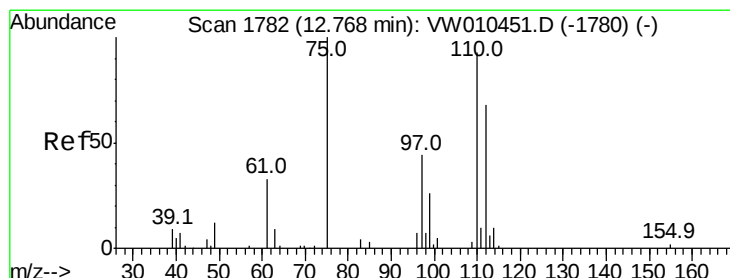
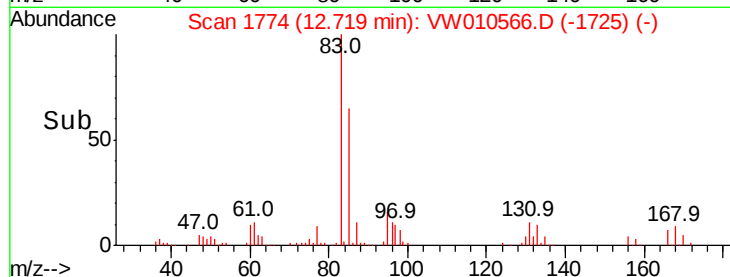
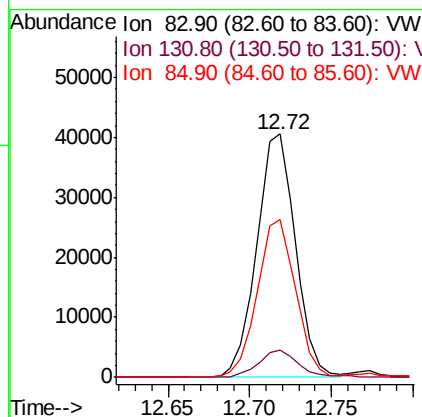
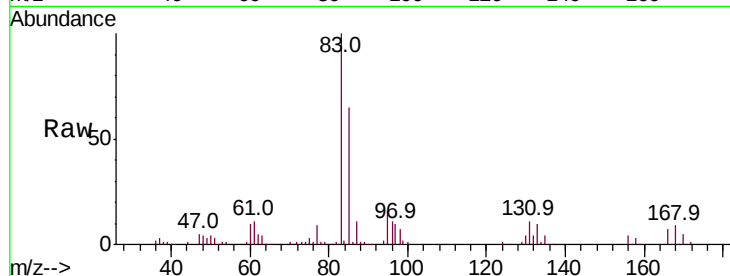
ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:	83	Resp:	67214
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.6	16.8
85	64.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.096 ug/l m

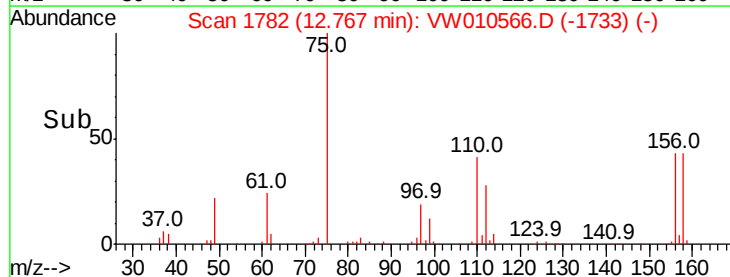
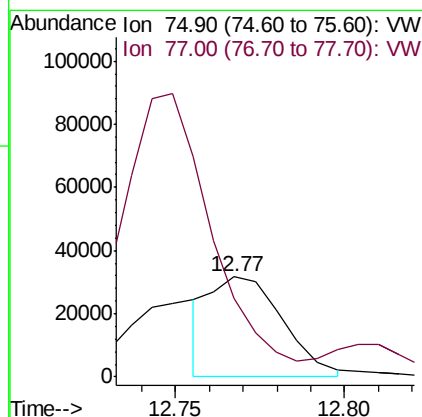
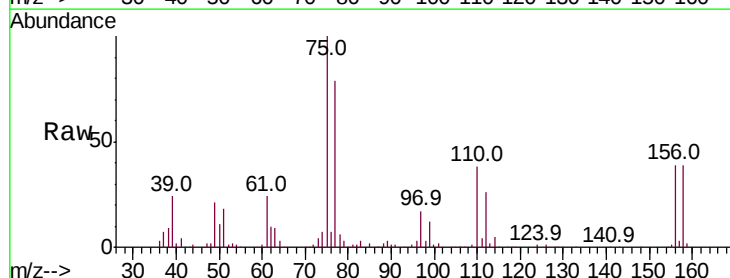
RT: 12.77 min Scan# 1782

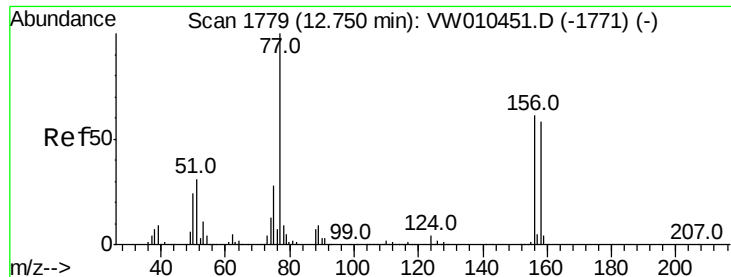
Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion:	75	Resp:	46962
Ion Ratio	Lower	Upper	
75	100		
77	356.5	170.0	510.1





#77

Bromobenzene

Concen: 56.653 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:156 Resp: 98829

Ion Ratio Lower Upper

156 100

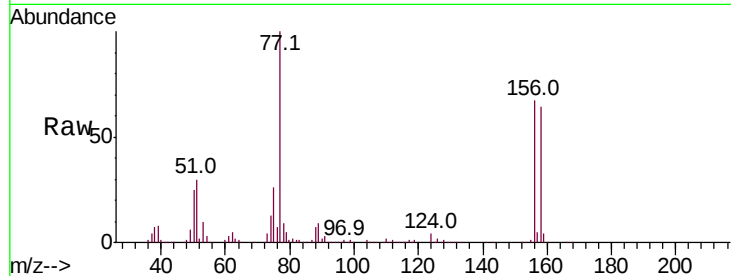
77 169.4 92.4 277.2

158 96.5 48.3 144.8

Manual Integrations
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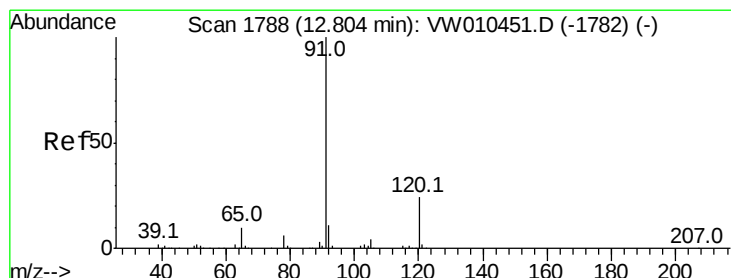
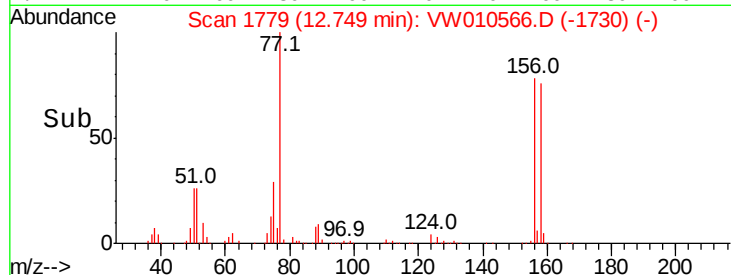
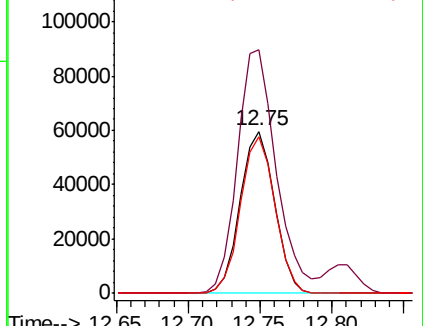
5/29/2019 11:05:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 50.136 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010566.D

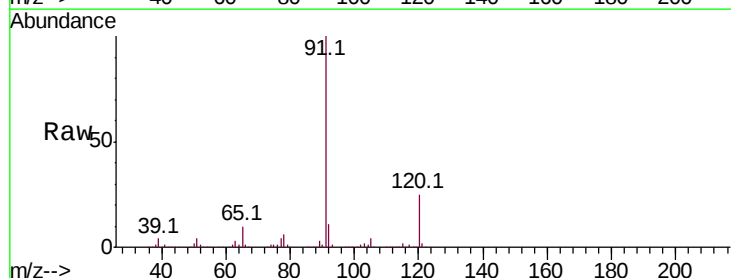
Acq: 28 May 2019 14:44

Tgt Ion: 91 Resp: 455465

Ion Ratio Lower Upper

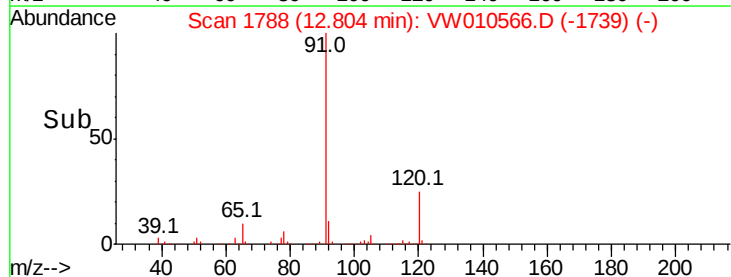
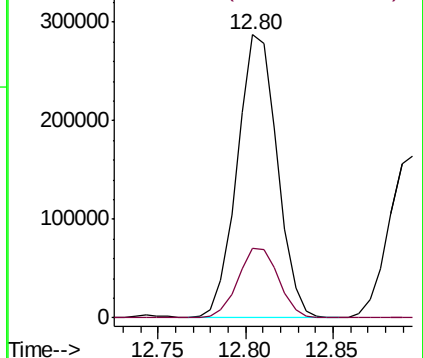
91 100

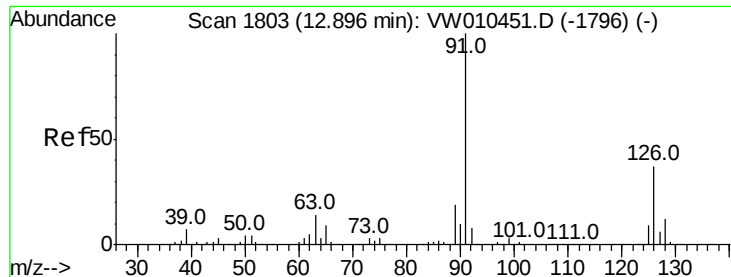
120 25.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 51.515 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion: 91 Resp: 271395

Ion Ratio Lower Upper

91 100

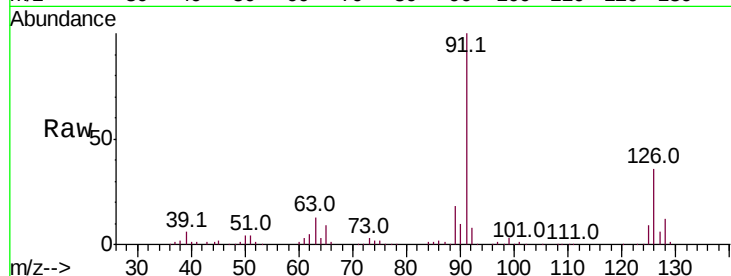
126 35.7 17.4 52.3

Manual Integrations

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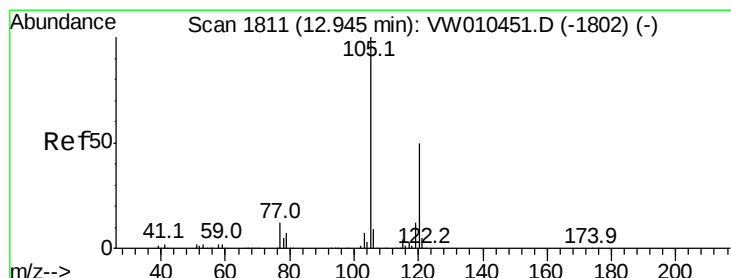
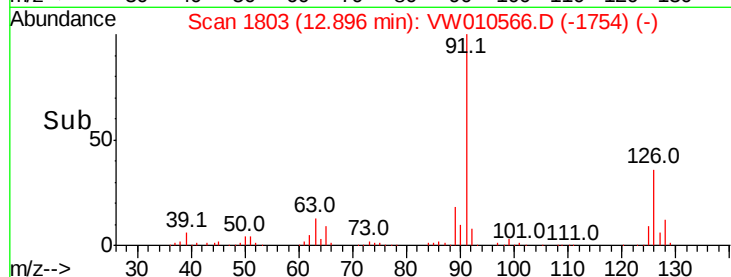
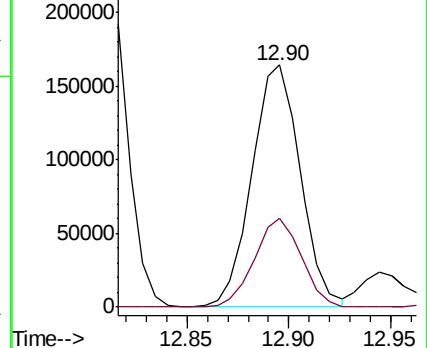
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.947 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010566.D

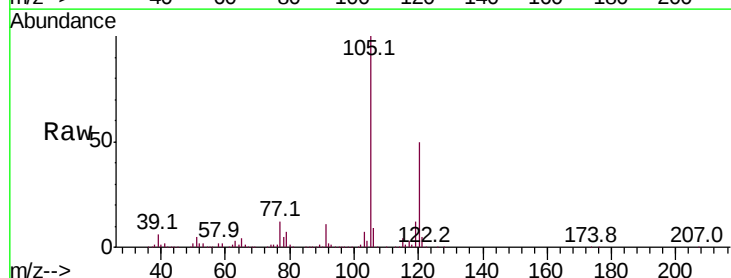
Acq: 28 May 2019 14:44

Tgt Ion:105 Resp: 342968

Ion Ratio Lower Upper

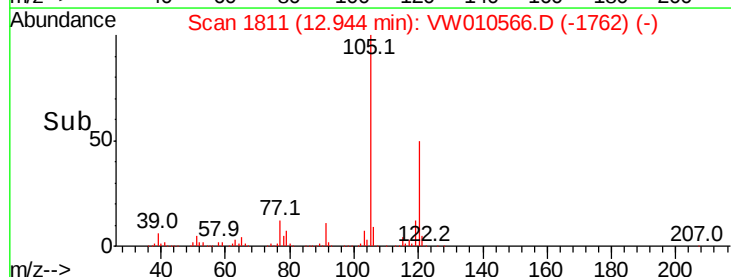
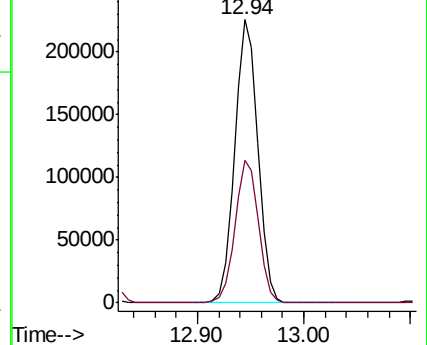
105 100

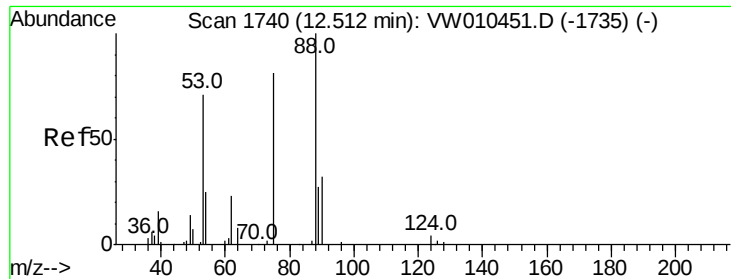
120 50.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





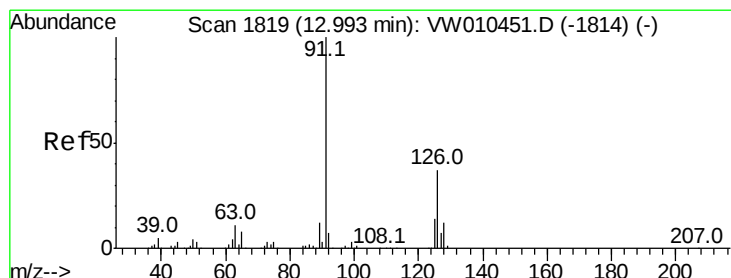
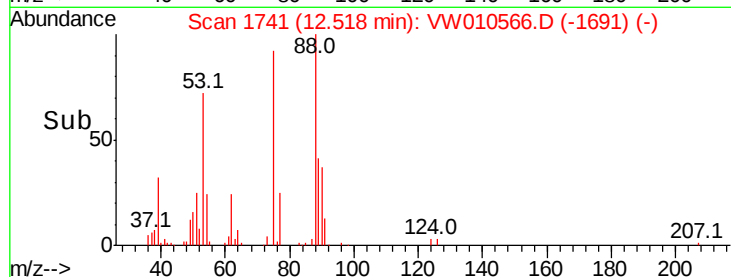
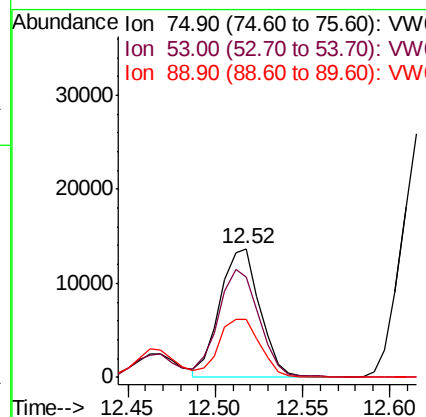
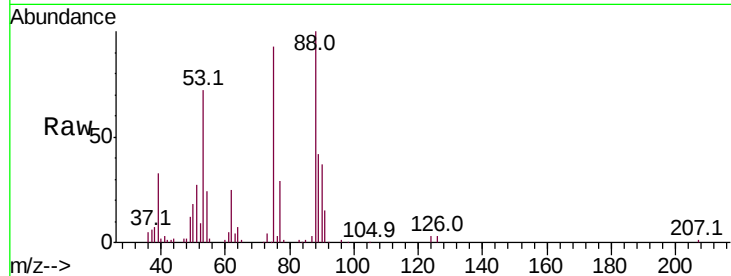
#81
trans-1,4-Dichloro-2-butene
Concen: 45.761 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion: 75 Resp: 21864
Ion Ratio Lower Upper
75 100
53 85.2 69.8 104.8
89 46.9 39.5 59.3

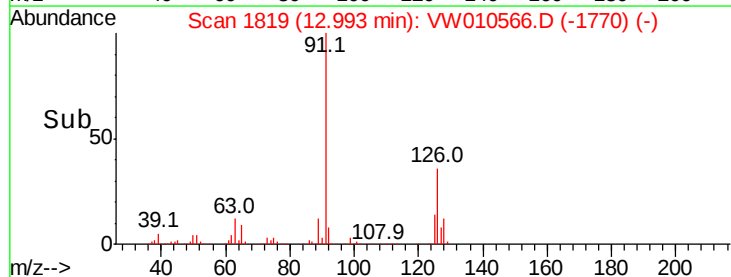
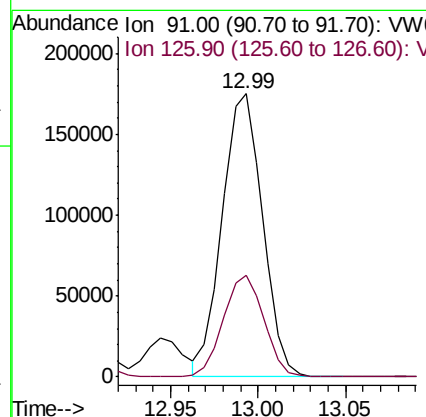
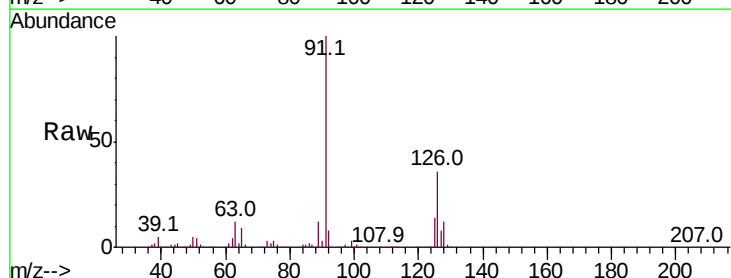
Manual Integrations
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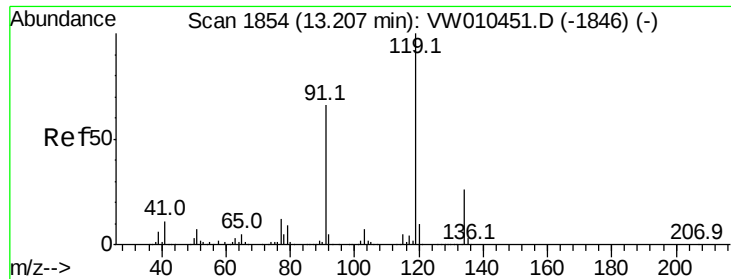
MMDadoda
5/29/2019 11:05:41 AM



#82
4-Chlorotoluene
Concen: 51.247 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion: 91 Resp: 280232
Ion Ratio Lower Upper
91 100
126 36.3 17.5 52.6





#83

tert-Butylbenzene

Concen: 50.617 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

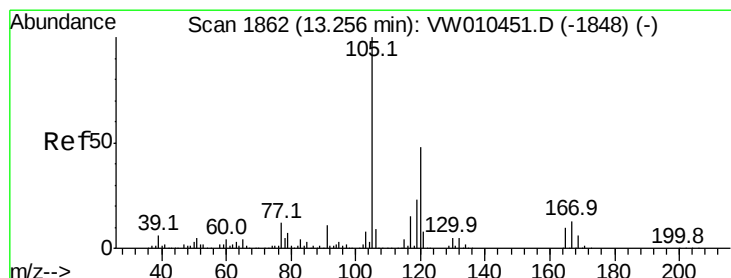
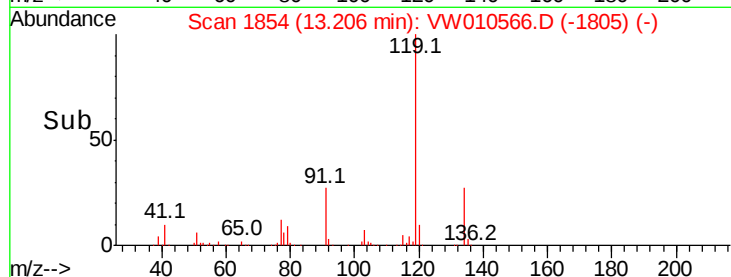
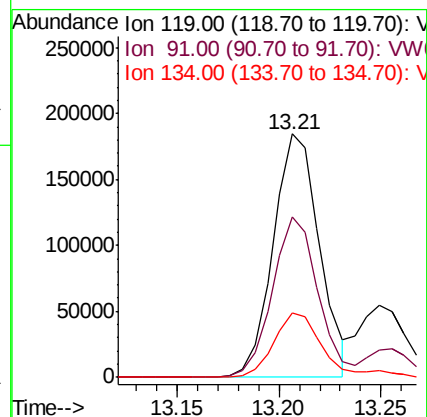
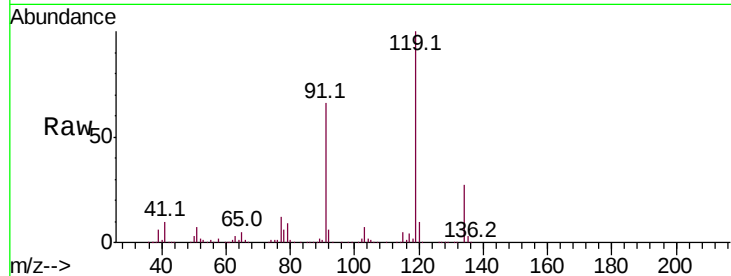
ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		291913		
91	65.3	33.1	99.5		
134	28.4	13.9	41.6		

Manual Integrations
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MMDadoda
5/29/2019 11:05:41 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.770 ug/l

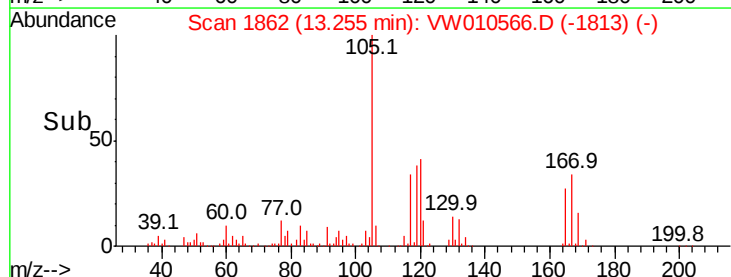
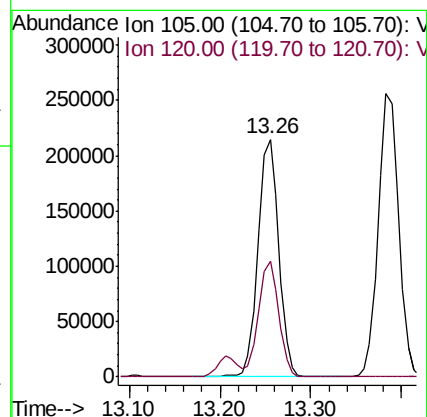
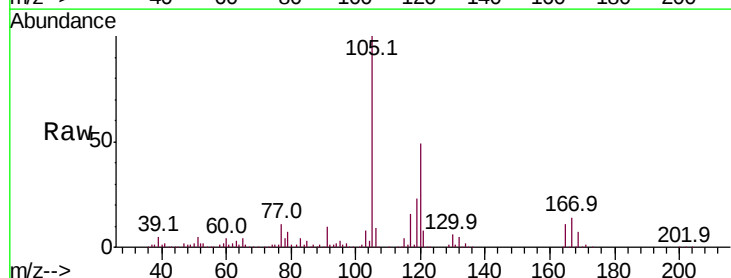
RT: 13.26 min Scan# 1862

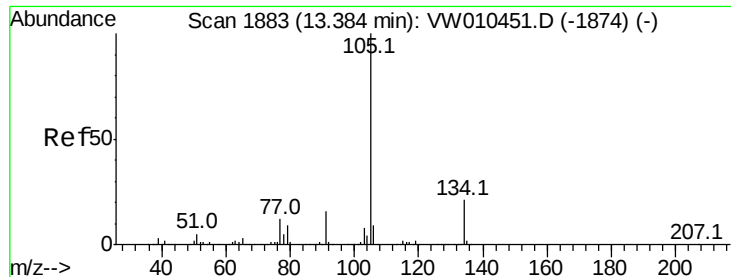
Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		340421		
120	47.8	23.4	70.2		





#85

sec-Butylbenzene

Concen: 49.572 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MS

Tot Ion:105 Resp: 400073

Ion Ratio Lower Upper

105 100

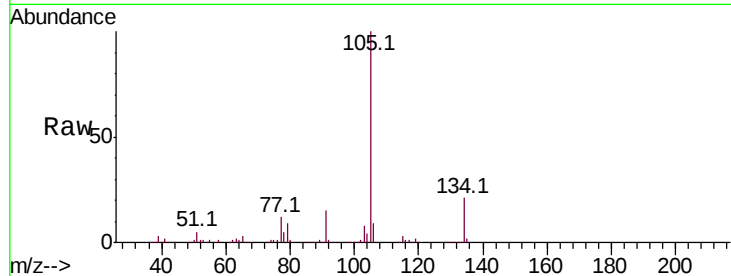
134 21.7 10.5 31.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

100000

50000

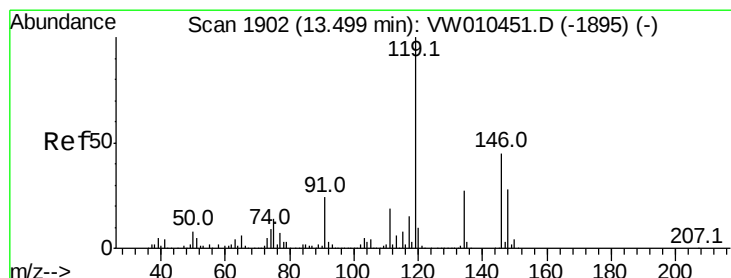
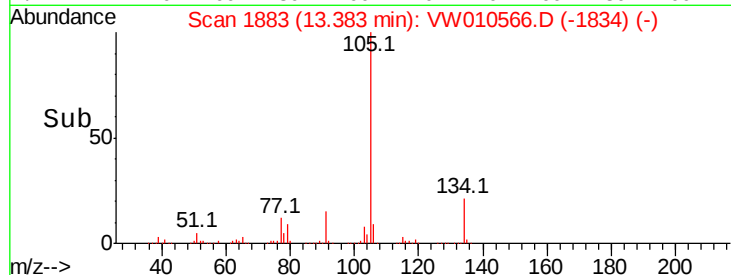
0

13.38

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 50.260 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010566.D

Acq: 28 May 2019 14:44

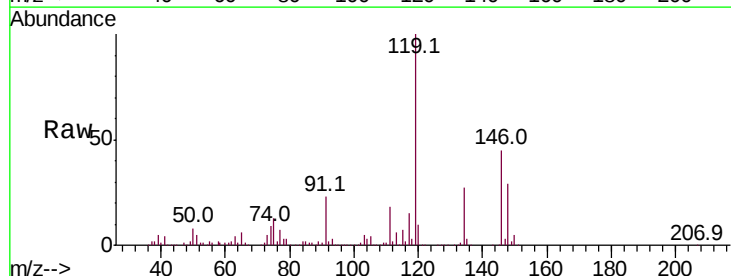
Tgt Ion:119 Resp: 367148

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

91 23.3 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

100000

50000

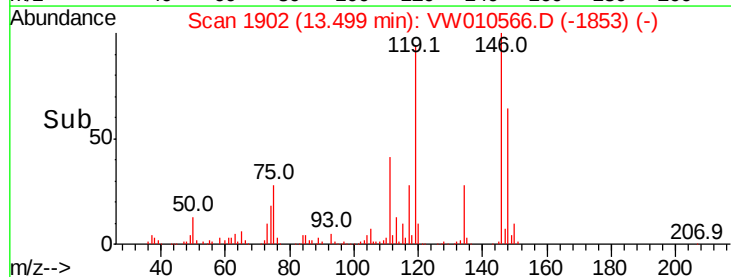
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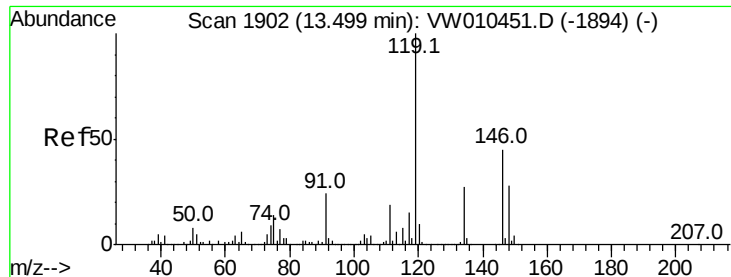
13.50

13.45

13.55

Time-->





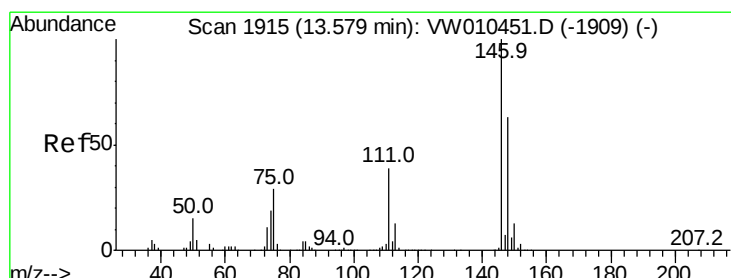
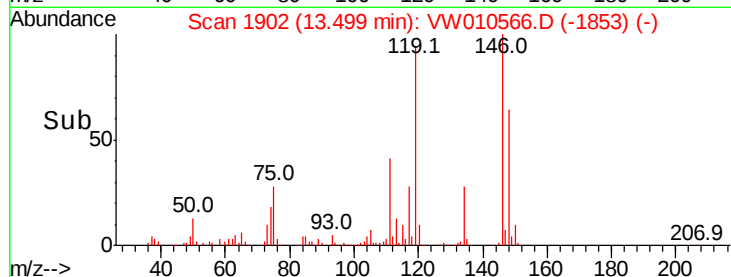
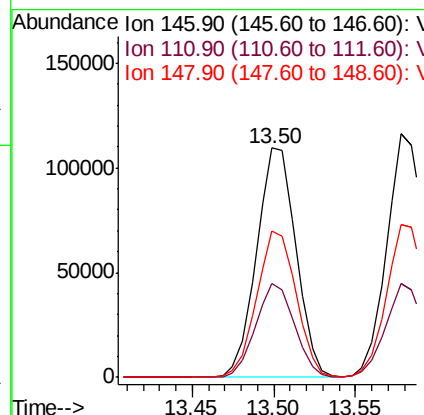
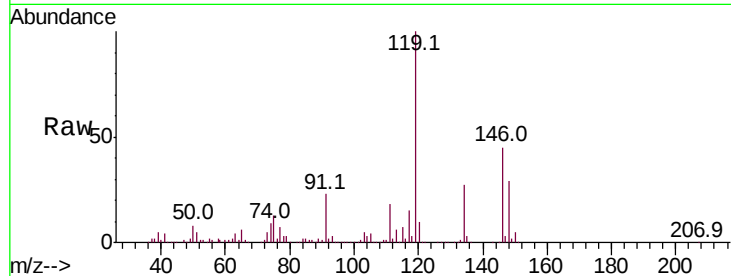
#87
 1,3-Dichlorobenzene
 Concen: 53.764 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	184007		
111	40.2	20.3	60.9	
148	63.6	31.6	94.8	

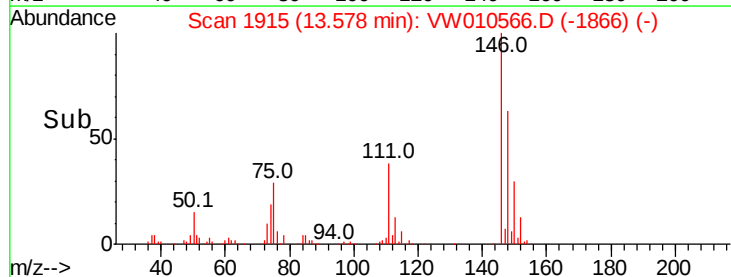
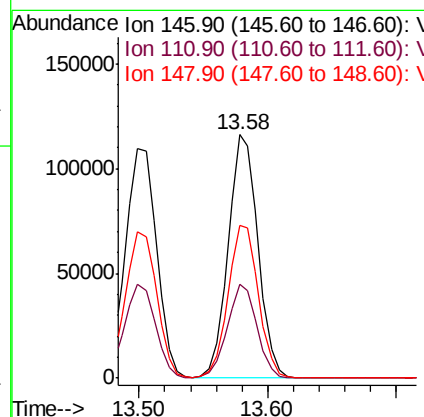
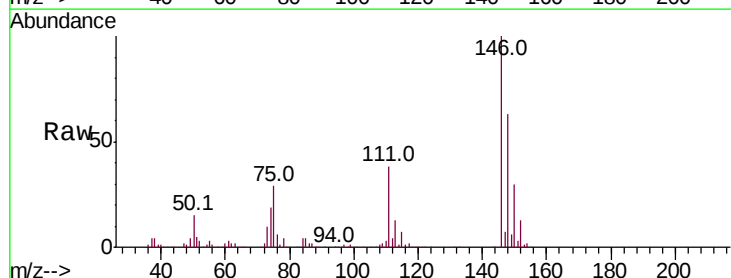
Manual Integrations
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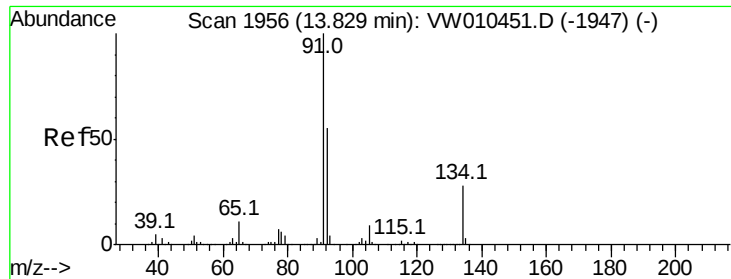
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 5/29/2019 11:05:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 54.824 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	188260		
111	38.6	19.9	59.6	
148	63.8	31.6	94.8	





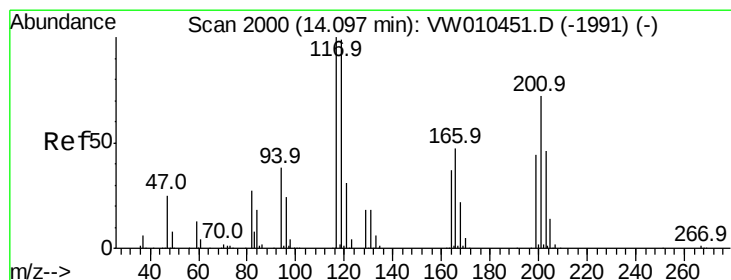
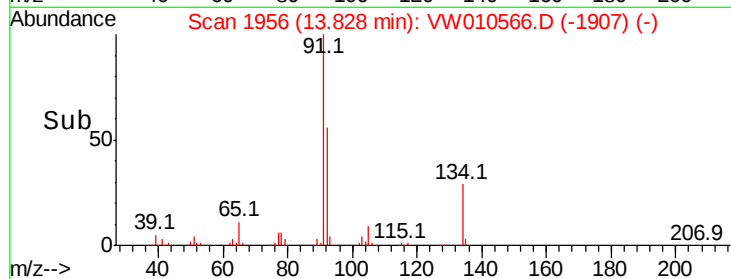
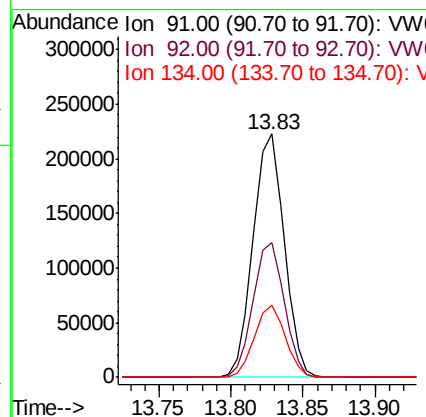
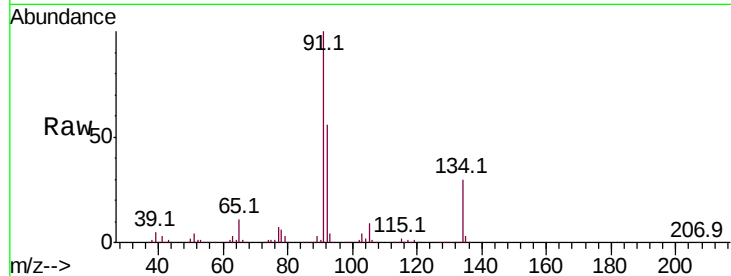
#89
n-Butylbenzene
Concen: 47.907 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.4	27.7	83.1	
134	29.4	13.9	41.6	

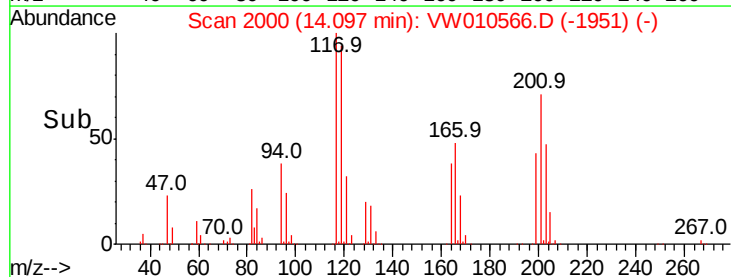
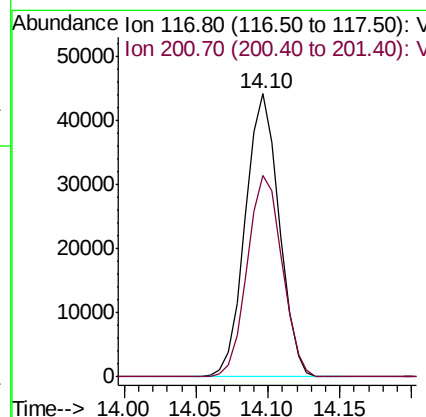
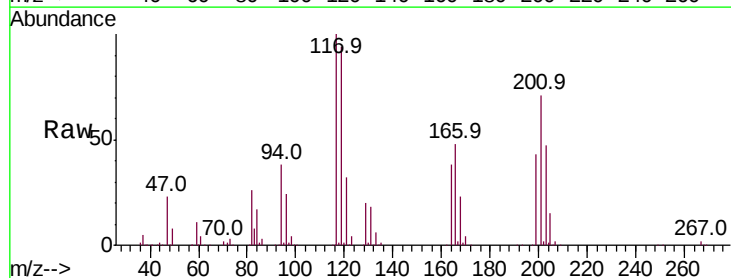
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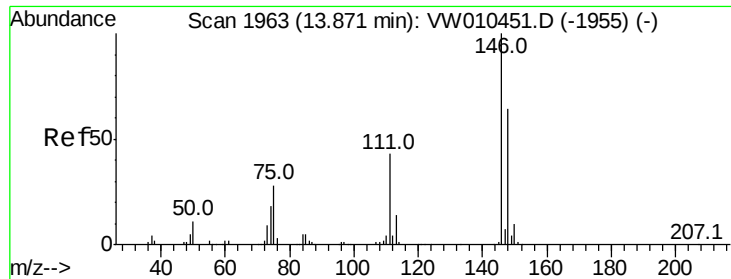
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#90
Hexachloroethane
Concen: 50.740 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.2	34.6	103.8	





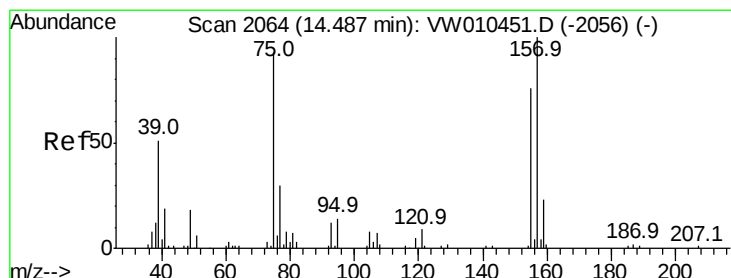
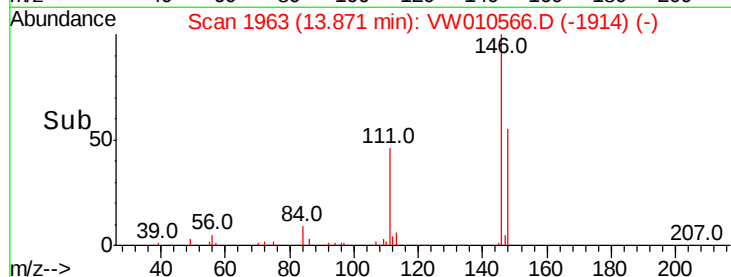
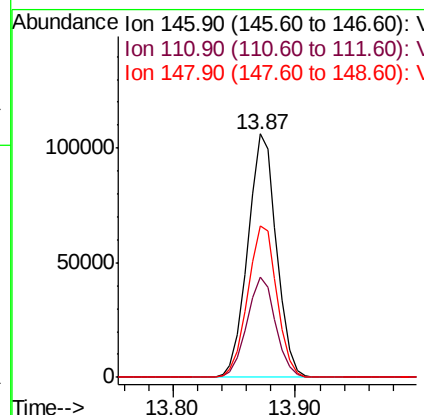
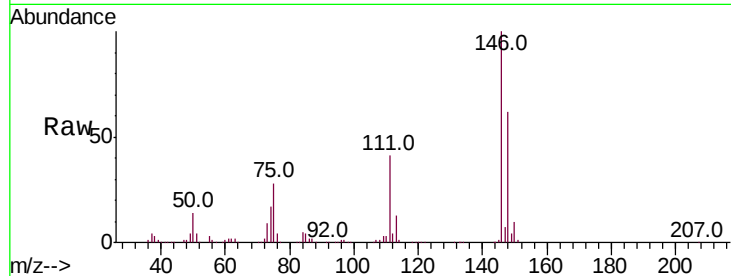
#91
1,2-Dichlorobenzene
Concen: 55.221 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	64.0
148	63.3	32.0	96.0

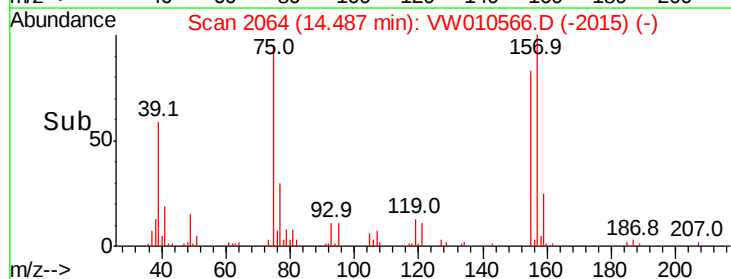
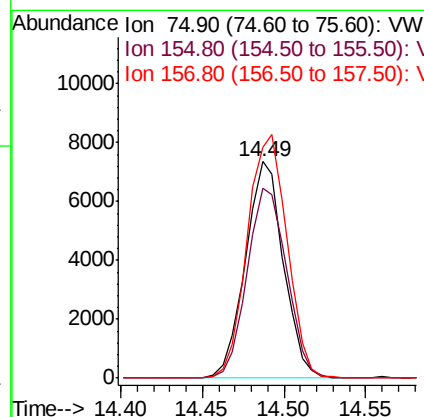
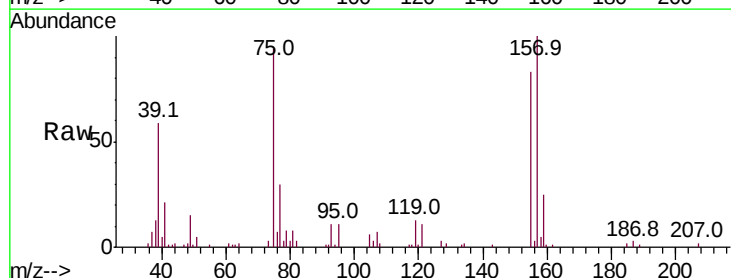
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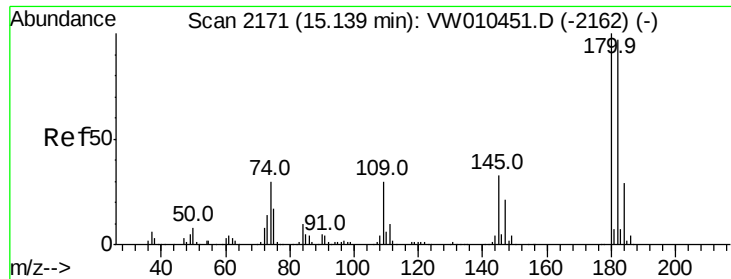
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#92
1,2-Dibromo-3-Chloropropane
Concen: 45.319 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	43.0	129.0
157	117.6	55.7	167.1





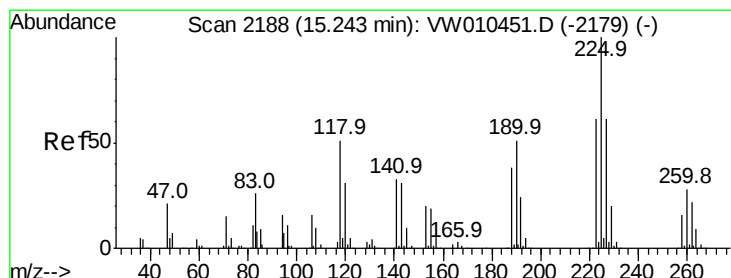
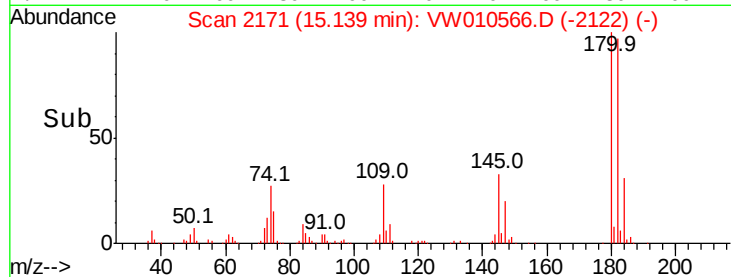
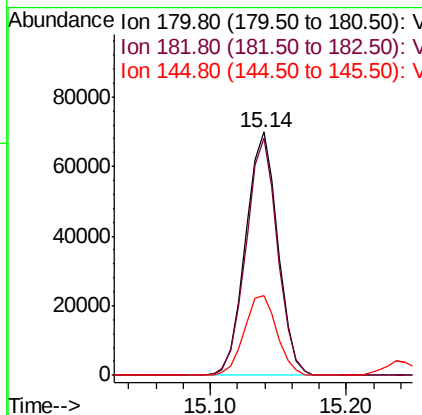
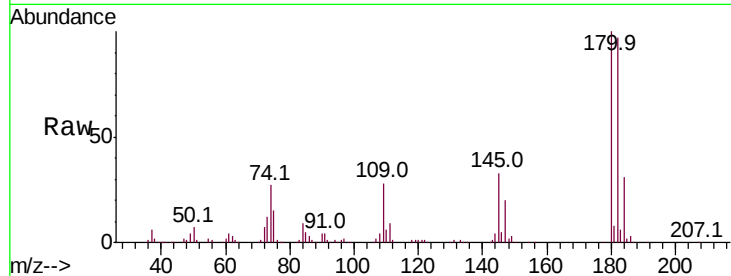
#93
 1,2,4-Trichlorobenzene
 Concen: 54.477 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.0	141.2	
145	33.5	16.7	50.0	

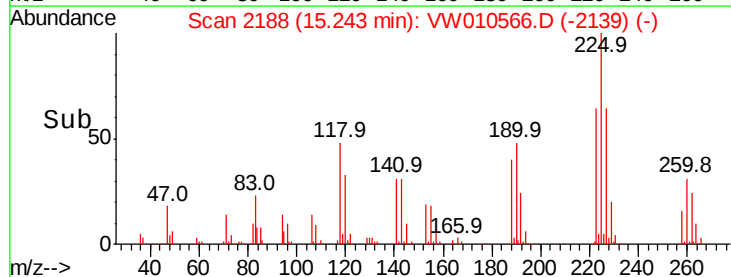
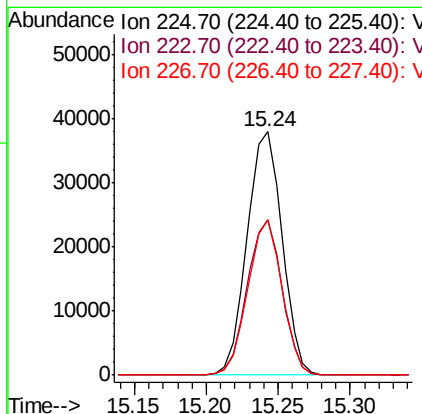
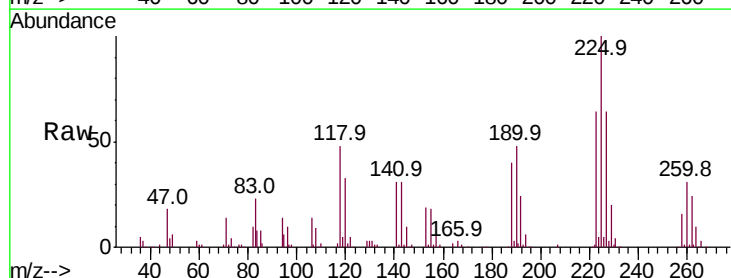
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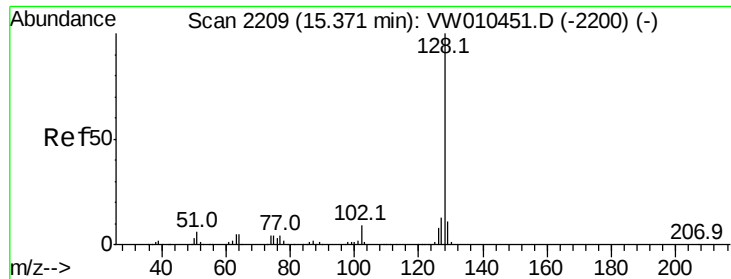
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#94
 Hexachlorobutadiene
 Concen: 56.317 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010566.D
 Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.1	93.2	
227	62.0	31.1	93.5	





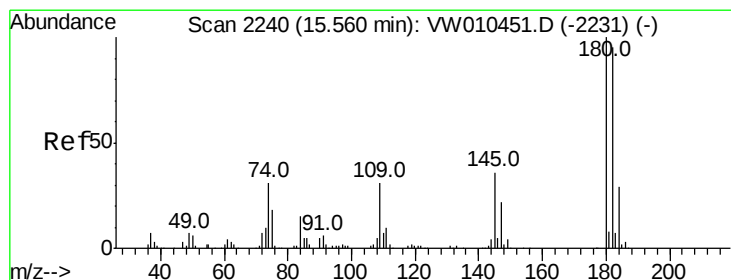
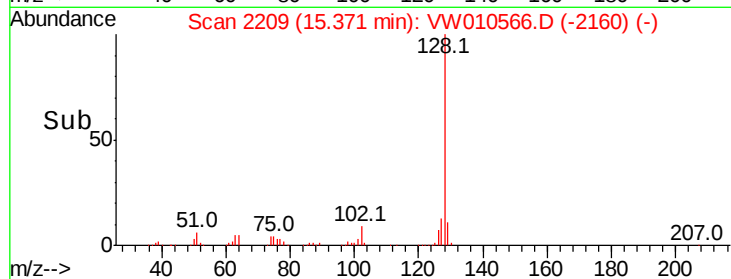
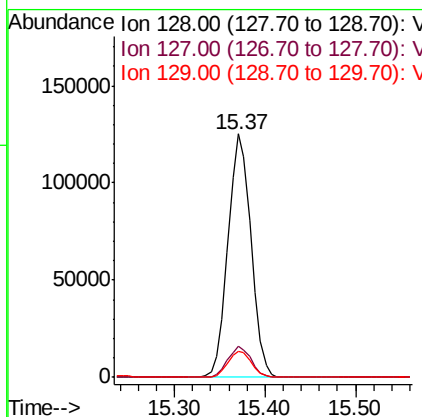
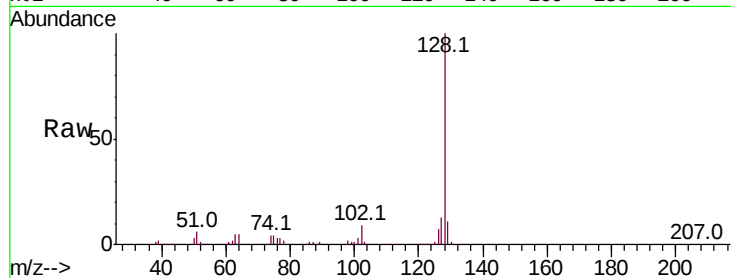
#95
Naphthalene
Concen: 49.528 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	220591		
127	12.8	10.6	15.8	
129	10.8	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.026 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010566.D
Acq: 28 May 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100462		
182	93.8	47.1	141.3	
145	34.6	17.4	52.3	

