

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012957.D
 Acq On : 13 Sep 2019 16:16
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:45 AM

Quant Time: Sep 13 17:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	374235	141.30	ug/l	0.00
Spiked Amount			Recovery	=	282.60%	
35) Dibromofluoromethane	7.88	113	314066	138.63	ug/l	0.00
Spiked Amount			Recovery	=	277.26%	
50) Toluene-d8	10.32	98	1273803	143.69	ug/l	0.00
Spiked Amount			Recovery	=	287.38%	
62) 4-Bromofluorobenzene	12.62	95	439519	137.88	ug/l	0.00
Spiked Amount			Recovery	=	275.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	154811	126.275	ug/l	98
3) Chloromethane	2.21	50	191964	122.437	ug/l	99
4) Vinyl Chloride	2.36	62	263555	128.404	ug/l	98
5) Bromomethane	2.76	94	156708	125.021	ug/l	97
6) Chloroethane	2.91	64	171116	135.929	ug/l	97
7) Trichlorofluoromethane	3.25	101	209320	145.835	ug/l	98
8) Diethyl Ether	3.68	74	153438	136.906	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	287337	131.990	ug/l	100
10) Methyl Iodide	4.26	142	374374	137.414	ug/l	100
11) Tert butyl alcohol	5.18	59	125209	603.188	ug/l	100
12) 1,1-Dichloroethene	4.04	96	269619	136.213	ug/l	98
13) Acrolein	3.89	56	141835	730.088	ug/l	99
14) Allyl chloride	4.66	41	527922	140.489	ug/l	99
15) Acrylonitrile	5.36	53	407820	712.449	ug/l	99
16) Acetone	4.12	43	393209	624.990	ug/l	98
17) Carbon Disulfide	4.38	76	526535	133.483	ug/l	100
18) Methyl Acetate	4.67	43	209526	138.862	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	530723	135.831	ug/l	98
20) Methylene Chloride	4.91	84	293686	117.975	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	282716	133.357	ug/l	95
22) Diisopropyl ether	6.31	45	1081979	138.601	ug/l	97
23) Vinyl Acetate	6.25	43	3406849	728.646	ug/l	98
24) 1,1-Dichloroethane	6.21	63	615951	136.849	ug/l	99
25) 2-Butanone	7.17	43	572975	680.378	ug/l	100
26) 2,2-Dichloropropane	7.16	77	394483	123.602	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	351273	138.400	ug/l	97
28) Bromochloromethane	7.51	49	277945	146.716	ug/l #	100
29) Tetrahydrofuran	7.52	42	347410	724.016	ug/l	99
30) Chloroform	7.67	83	611456	133.701	ug/l	98
31) Cyclohexane	7.95	56	472389	123.183	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	510790	135.624	ug/l	98
36) 1,1-Dichloropropene	8.08	75	447150	134.029	ug/l	99
37) Ethyl Acetate	7.24	43	244543	138.096	ug/l	99
38) Carbon Tetrachloride	8.07	117	469505	137.327	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	495392	135.509	ug/l	98
40) Benzene	8.32	78	1246421	133.828	ug/l	100
41) Methacrylonitrile	7.48	41	161686	138.649	ug/l	97
42) 1,2-Dichloroethane	8.40	62	421570	135.027	ug/l	99
43) Isopropyl Acetate	8.42	43	493555	145.161	ug/l	99
44) Trichloroethene	9.09	130	342117	134.107	ug/l	95
45) 1,2-Dichloropropane	9.37	63	336212	135.872	ug/l	99
46) Dibromomethane	9.46	93	164160	138.471	ug/l	98
47) Bromodichloromethane	9.64	83	471152	141.683	ug/l	98
48) Methyl methacrylate	9.43	41	240356	150.627	ug/l	96
49) 1,4-Dioxane	9.46	88	55216	2779.574	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	1257275	716.247	ug/l	100
52) Toluene	10.38	92	809874	136.844	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	493369	147.521	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	555430	145.148	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	251894	139.475	ug/l	98
56) Ethyl methacrylate	10.65	69	364896	150.105	ug/l	99
57) 1,3-Dichloropropane	10.93	76	443663	138.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	997564	764.984	ug/l	100
59) 2-Hexanone	10.97	43	871184	712.754	ug/l	100
60) Dibromochloromethane	11.13	129	313323	143.499	ug/l	97
61) 1,2-Dibromoethane	11.23	107	231304	140.396	ug/l	100
64) Tetrachloroethene	10.86	164	284217	131.756	ug/l	98
65) Chlorobenzene	11.66	112	876458	135.699	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	341145	137.829	ug/l	100
67) Ethyl Benzene	11.73	91	1639723	137.461	ug/l	100
68) m/p-Xylenes	11.84	106	1200179	275.415	ug/l	99
69) o-Xylene	12.16	106	567261	138.850	ug/l	100
70) Styrene	12.18	104	1015230	139.693	ug/l	100
71) Bromoform	12.35	173	188907	145.301	ug/l #	99
73) Isopropylbenzene	12.46	105	1640996	141.994	ug/l	100
74) N-amyl acetate	12.27	43	451490	151.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	288634	142.197	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	235982m	160.407	ug/l	
77) Bromobenzene	12.74	156	374074	140.502	ug/l	100
78) n-propylbenzene	12.80	91	1920645	141.283	ug/l	99
79) 2-Chlorotoluene	12.89	91	1105039	141.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1353787	138.465	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	104584	155.345	ug/l	99
82) 4-Chlorotoluene	12.99	91	1145322	138.903	ug/l	99
83) tert-Butylbenzene	13.21	119	1223075	139.855	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1344040	139.115	ug/l	99
85) sec-Butylbenzene	13.38	105	1657350	139.099	ug/l	100
86) p-Isopropyltoluene	13.50	119	1533678	140.199	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	721945	136.979	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	710858	137.250	ug/l	99
89) n-Butylbenzene	13.82	91	1462108	141.723	ug/l	100
90) Hexachloroethane	14.09	117	282164	143.934	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	639338	137.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	53907	145.089	ug/l	99

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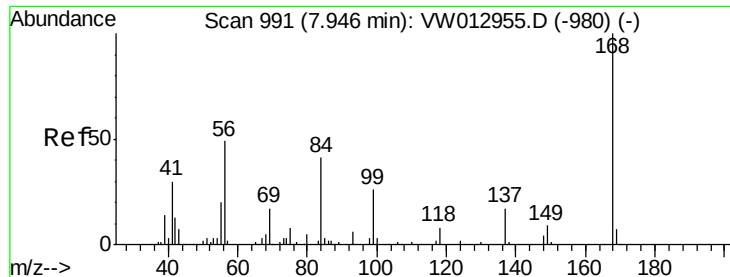
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489096	147.967	ug/l	99
94) Hexachlorobutadiene	15.24	225	314204	134.276	ug/l	99
95) Naphthalene	15.36	128	897228	162.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	430042	147.177	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion:168 Resp: 286761

Ion Ratio Lower Upper

168 100

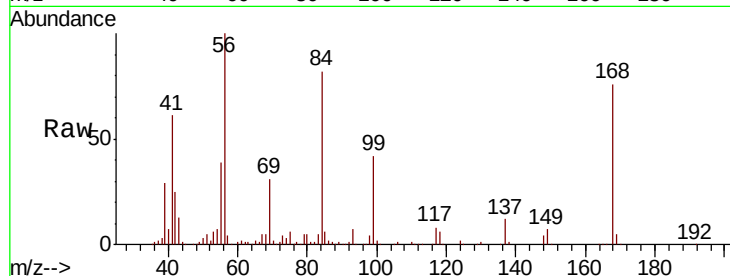
99 55.6 46.2 69.2

Manual Integrations

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9/16/2019 12:43:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

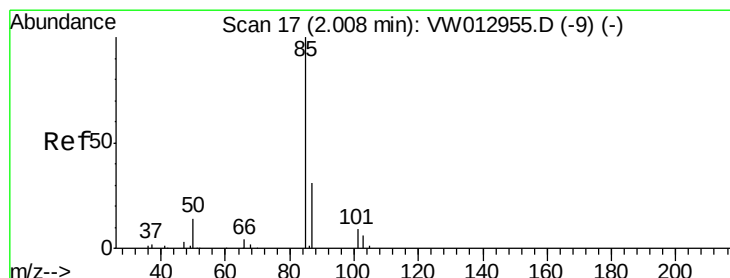
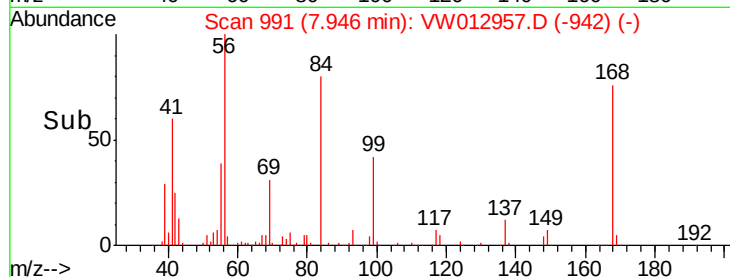
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50000

0

7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 126.275 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012957.D

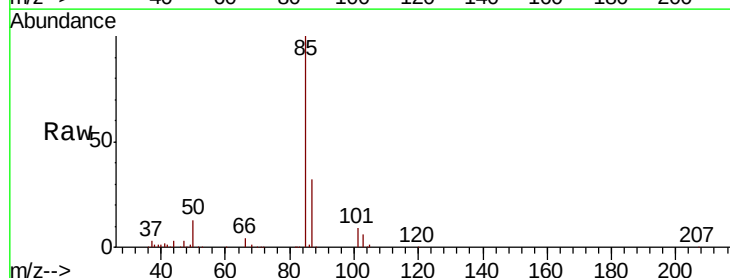
Acq: 13 Sep 2019 16:16

Tgt Ion: 85 Resp: 154811

Ion Ratio Lower Upper

85 100

87 31.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

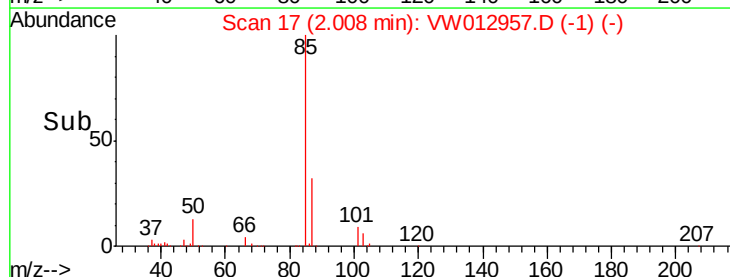
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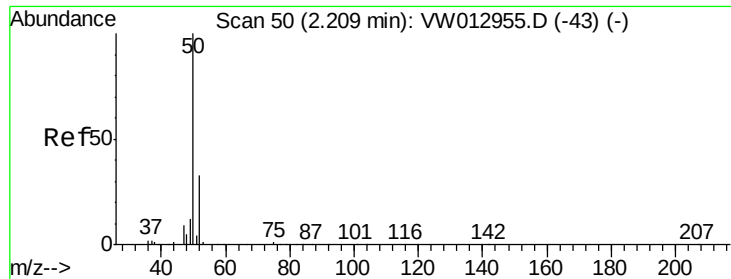
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 122.437 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 50 Resp: 191964

Ion Ratio Lower Upper

50 100

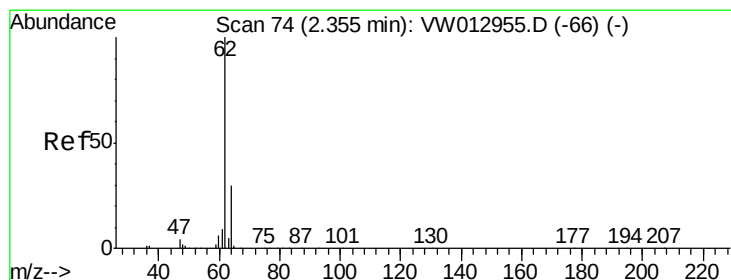
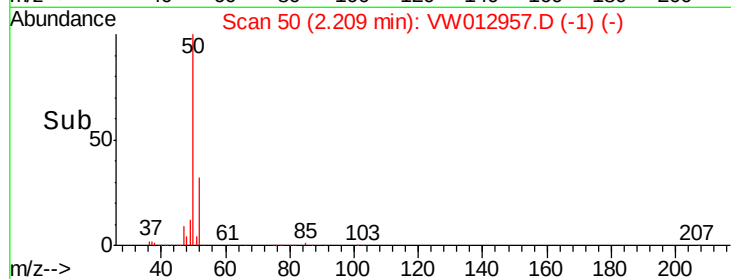
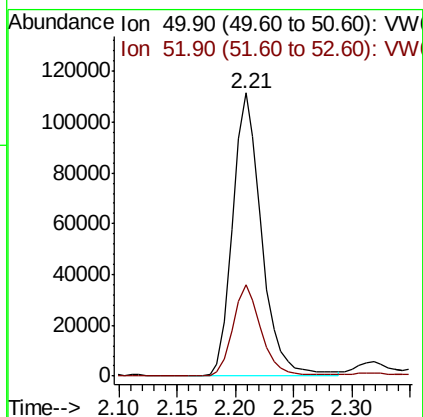
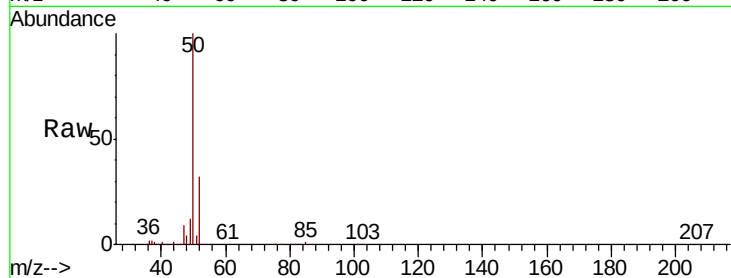
52 32.4 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 128.404 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012957.D

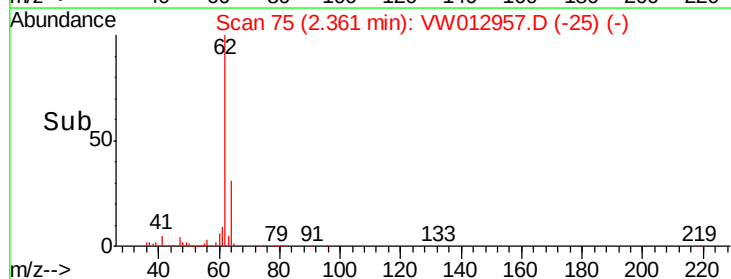
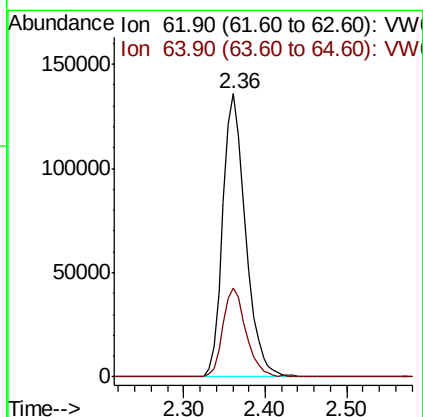
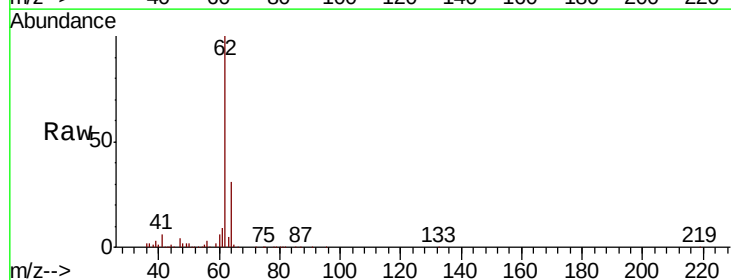
Acq: 13 Sep 2019 16:16

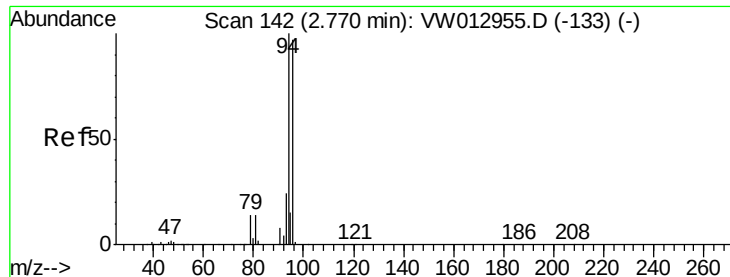
Tgt Ion: 62 Resp: 263555

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 125.021 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 156708

Ion Ratio Lower Upper

94 100

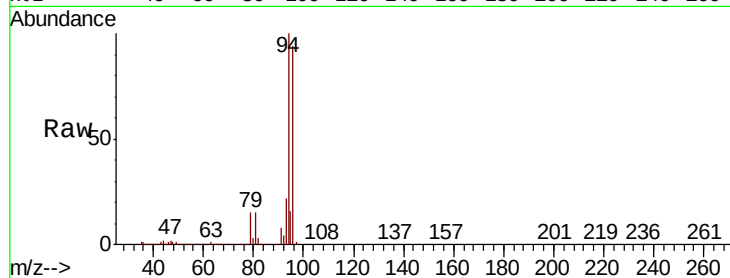
96 94.3 77.8 116.6

Manual Integrations

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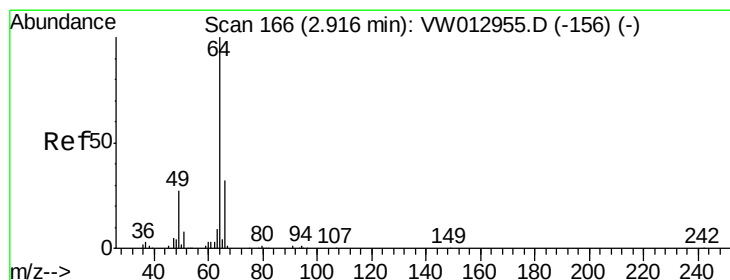
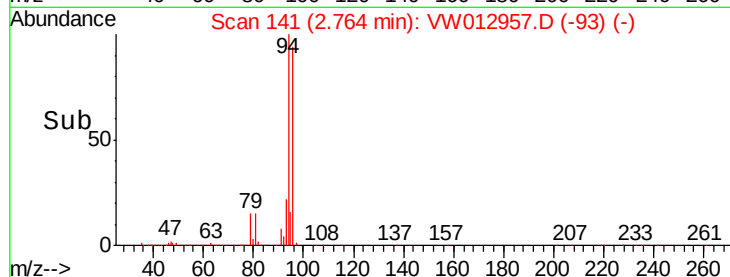
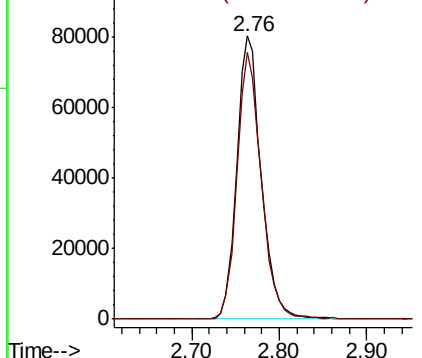
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9/16/2019 12:43:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 135.929 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012957.D

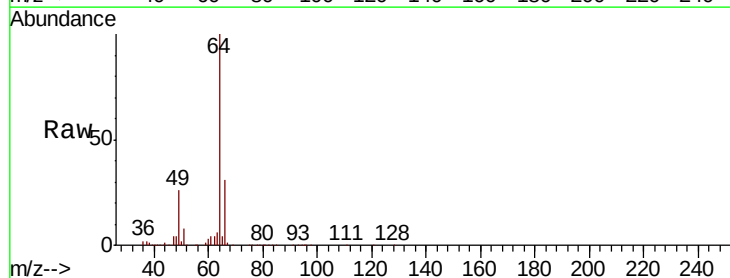
Acq: 13 Sep 2019 16:16

Tgt Ion: 64 Resp: 171116

Ion Ratio Lower Upper

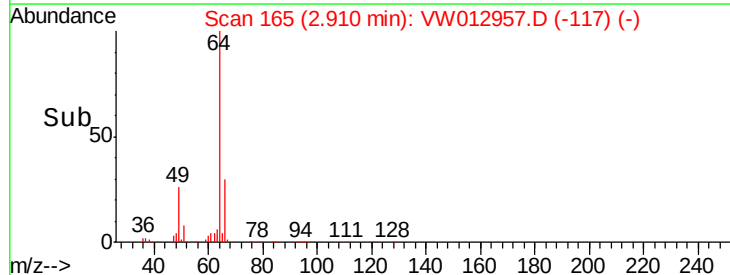
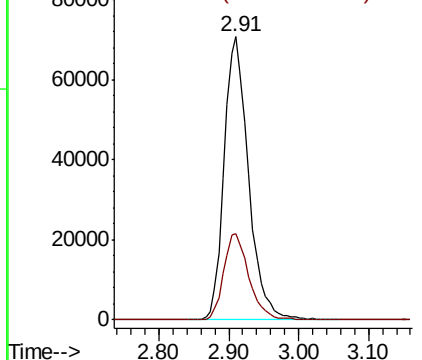
64 100

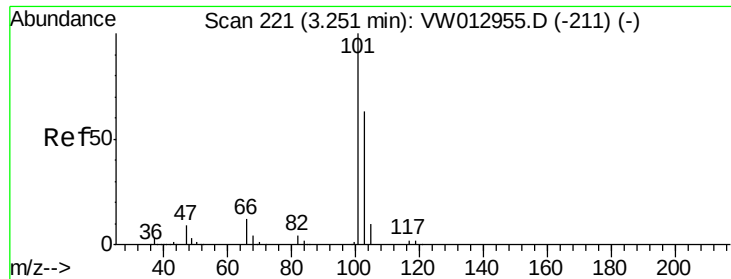
66 30.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

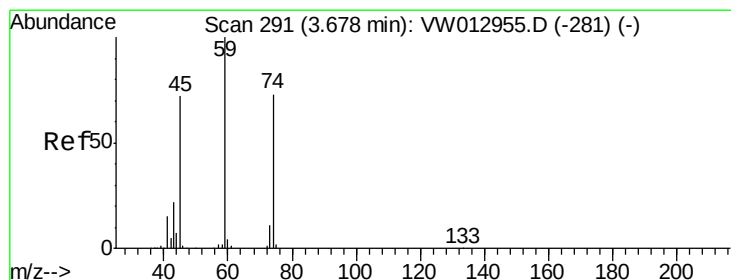
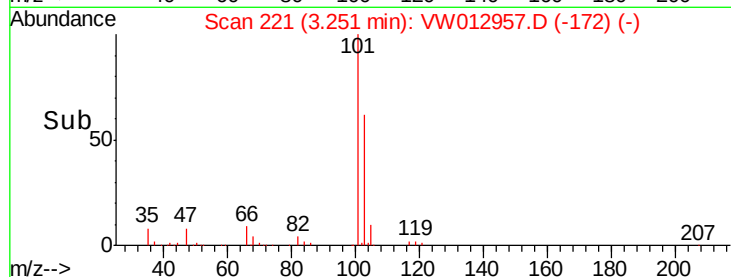
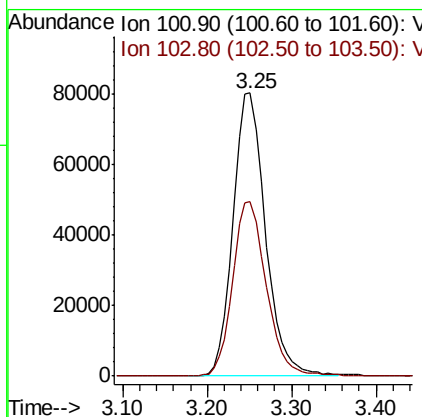
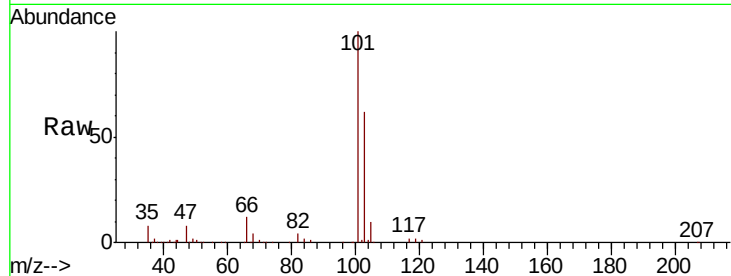
Trichlorofluoromethane
 Concen: 145.835 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	209320		
103	61.8	50.7	76.1	

Manual Integrations
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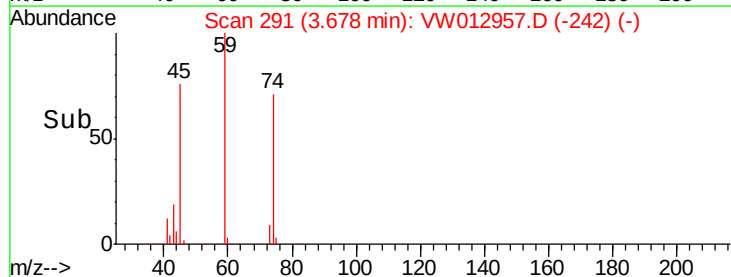
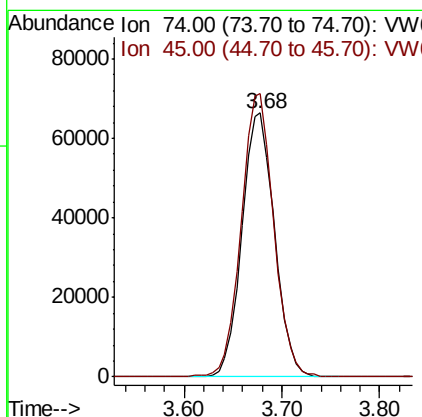
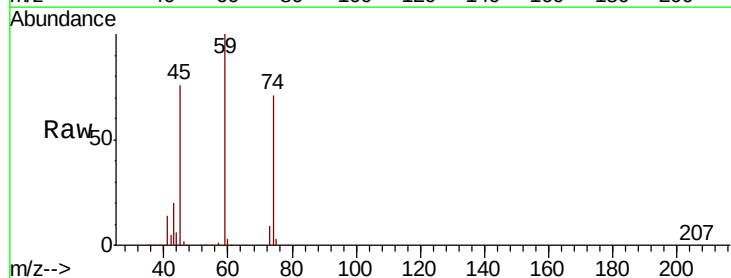
MMDadoda
 9/16/2019 12:43:45 AM

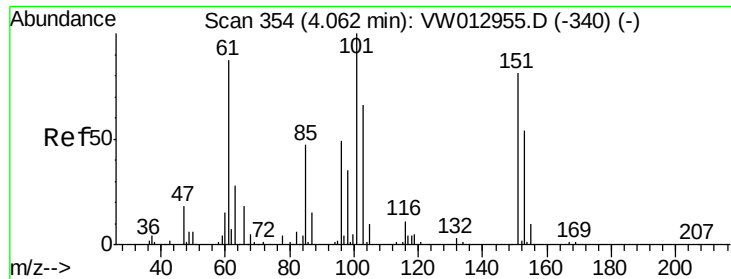


#8

Diethyl Ether
 Concen: 136.906 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	153438		
45	106.3	53.8	161.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.990 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

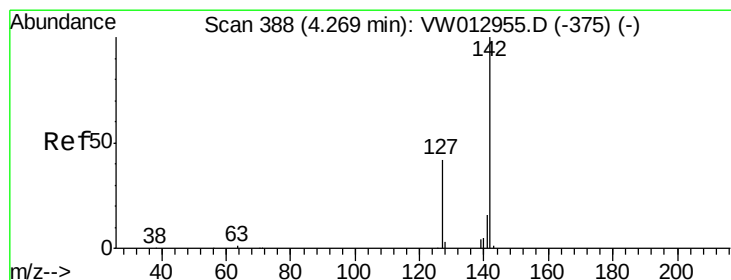
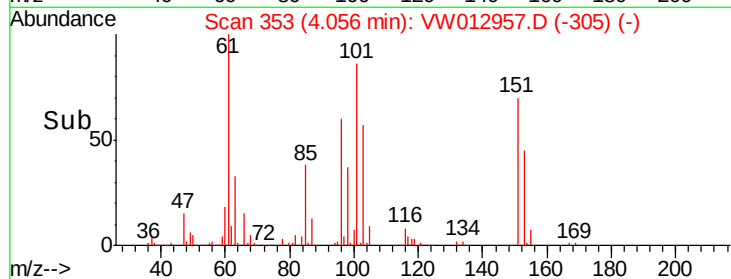
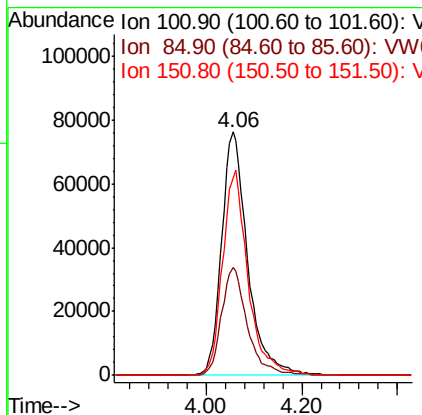
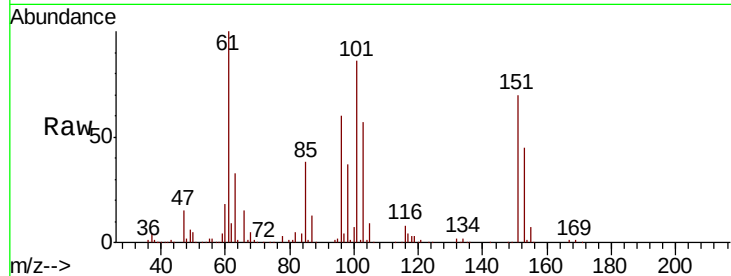
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	287337
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.9	52.3
151	82.2	66.0	99.0

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#10

Methyl Iodide

Concen: 137.414 ug/l

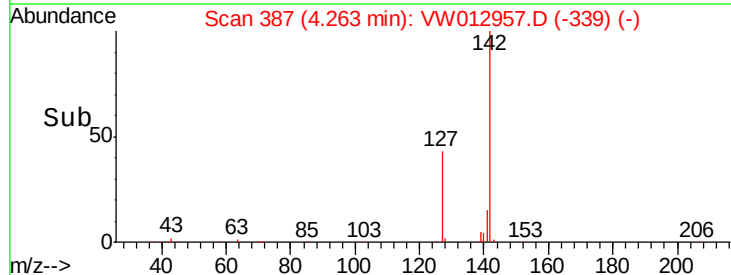
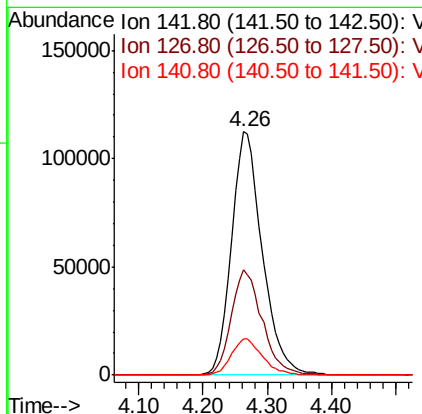
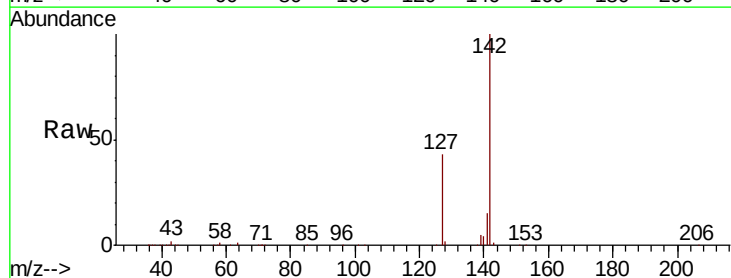
RT: 4.26 min Scan# 387

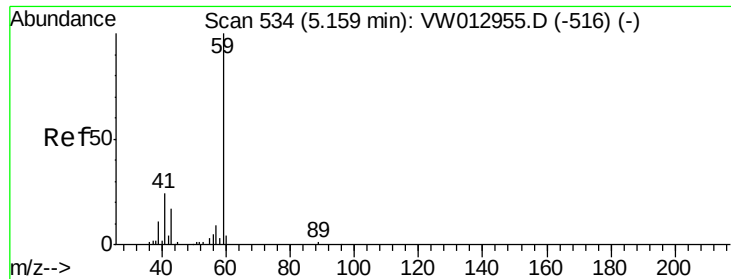
Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion:	142	Resp:	374374
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.7	52.1
141	15.1	12.2	18.2





#11

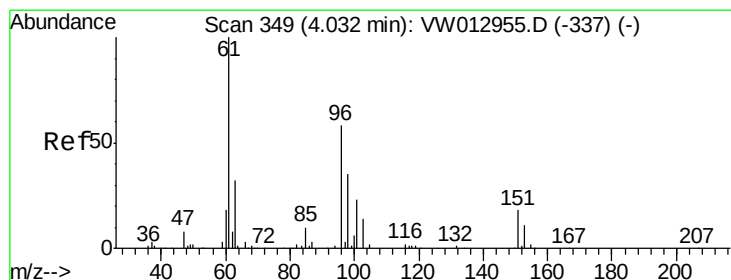
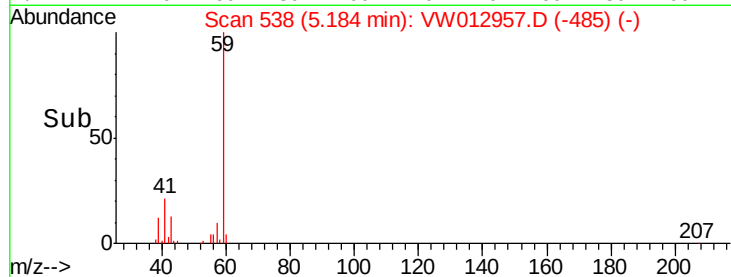
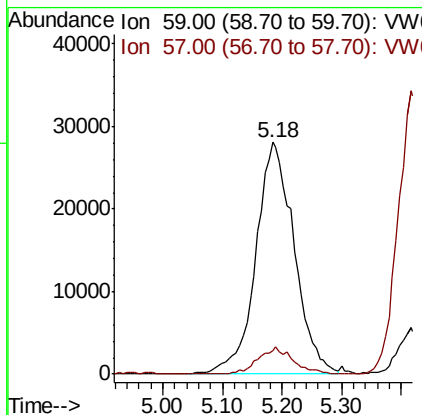
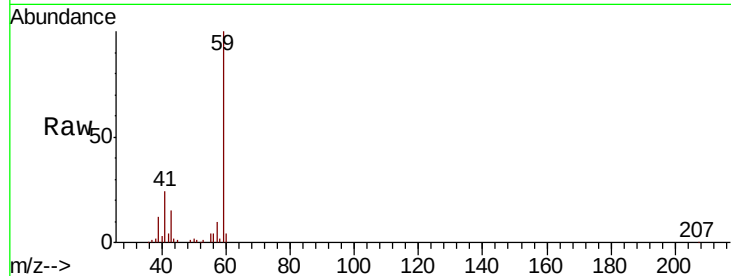
Tert butyl alcohol
 Concen: 603.188 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

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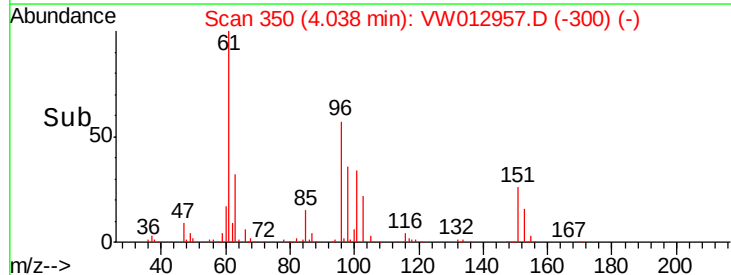
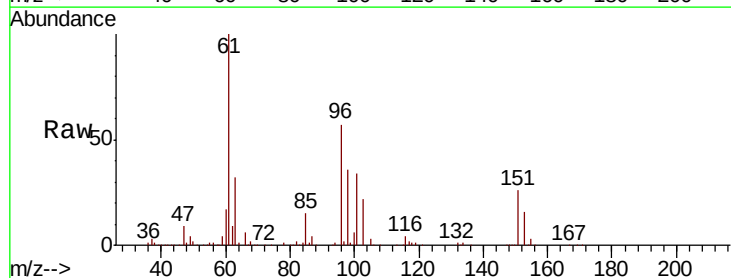
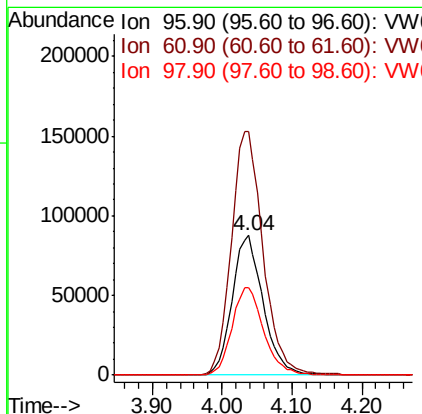
MMDadoda
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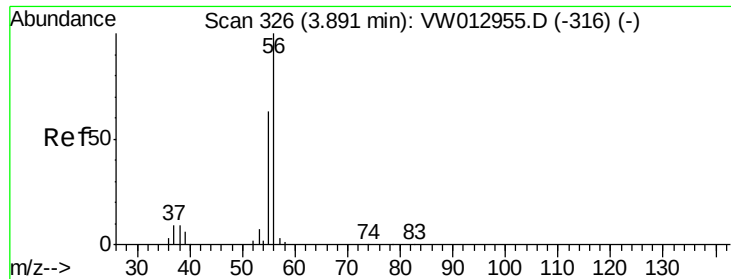


#12

1,1-Dichloroethene
 Concen: 136.213 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	137.9	206.9
98	62.9	48.9	73.3





#13

Acrolein

Concen: 730.088 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 141835

Ion Ratio Lower Upper

56 100

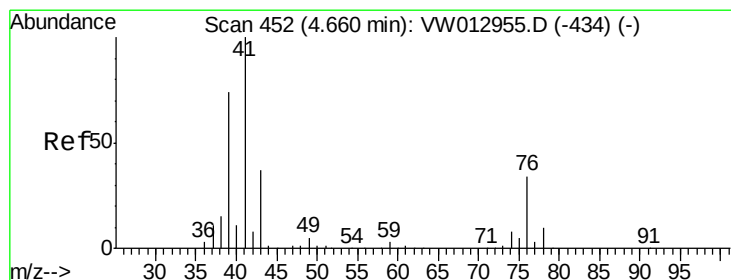
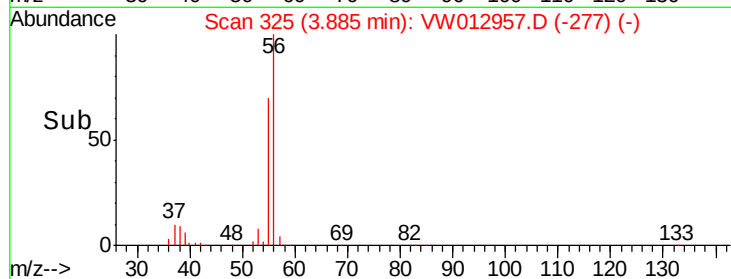
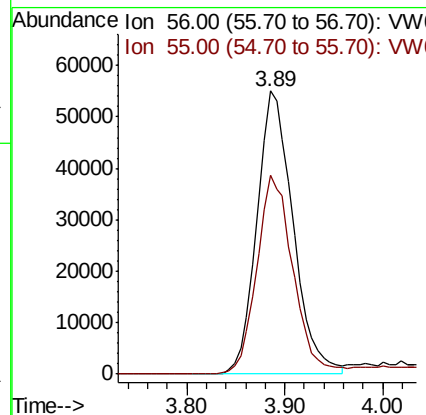
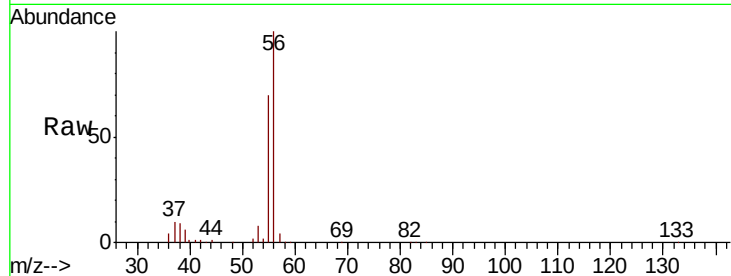
55 70.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 140.489 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

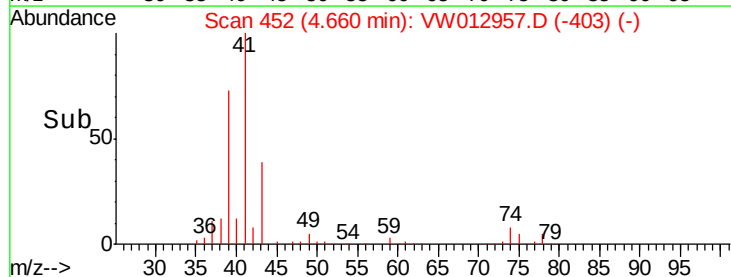
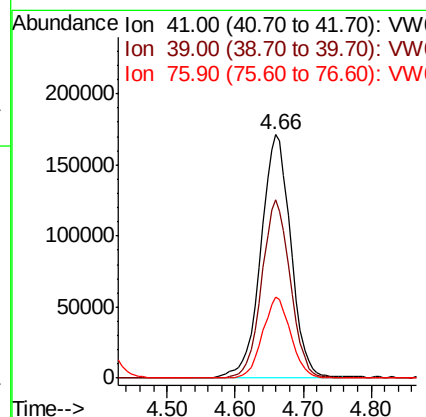
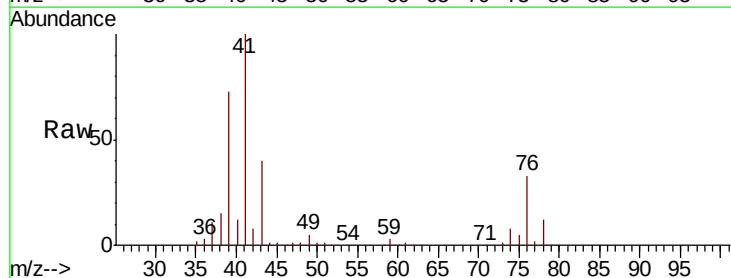
Tgt Ion: 41 Resp: 527922

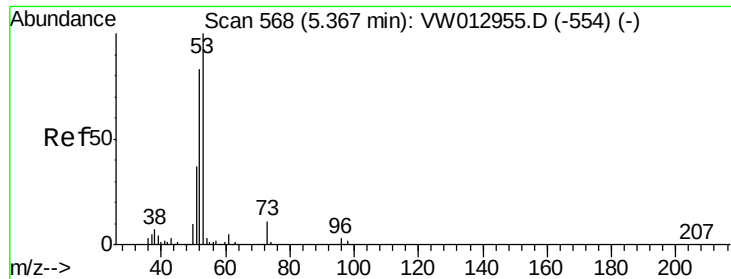
Ion Ratio Lower Upper

41 100

39 69.5 56.7 85.1

76 31.2 25.1 37.7





#15

Acrylonitrile

Concen: 712.449 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

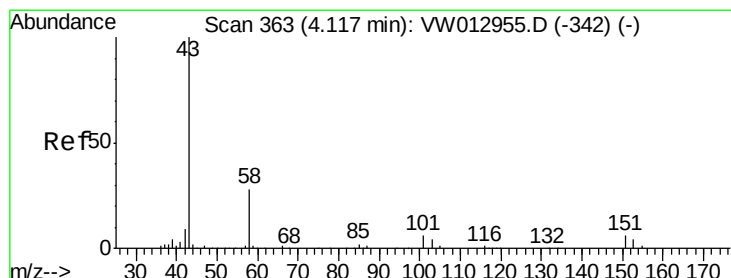
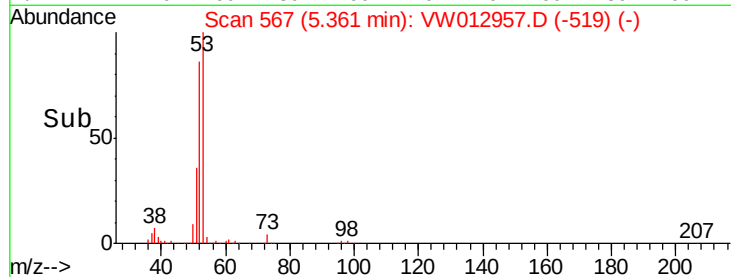
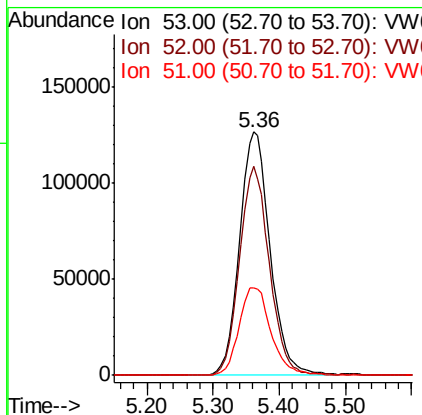
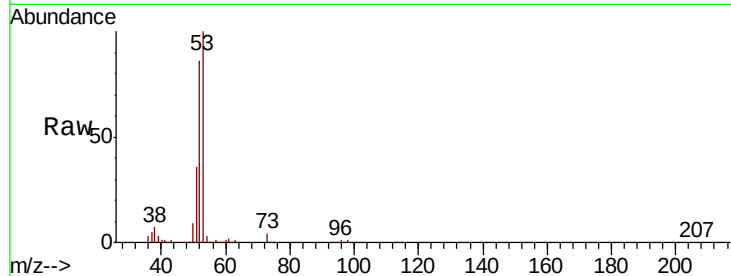
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	407820
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.7	29.8	44.8

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#16

Acetone

Concen: 624.990 ug/l

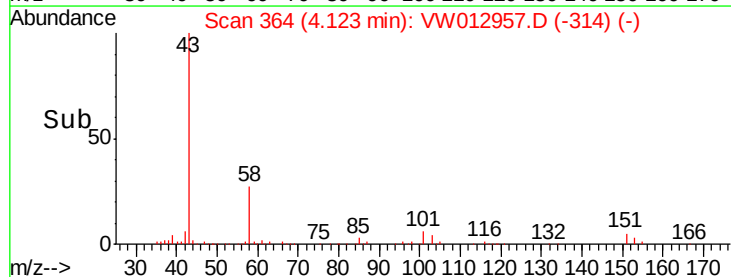
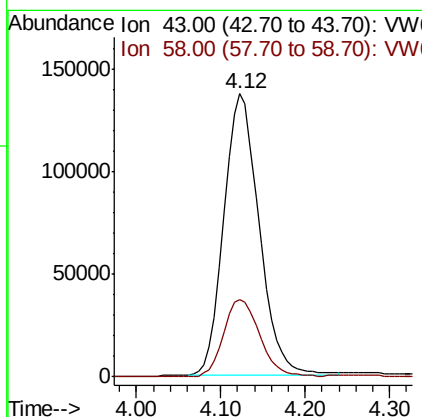
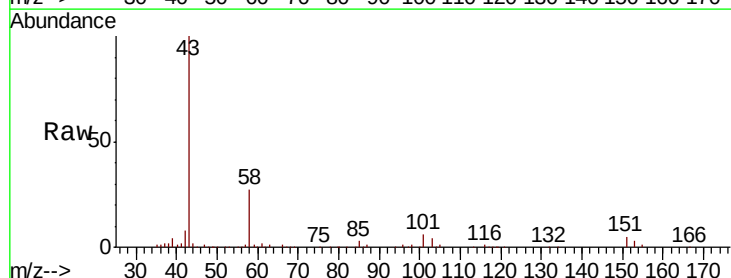
RT: 4.12 min Scan# 364

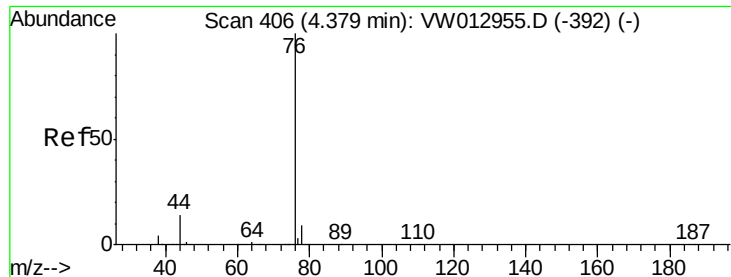
Delta R.T. 0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion:	43	Resp:	393209
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.3	33.5





#17

Carbon Disulfide

Concen: 133.483 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 526535

Ion Ratio Lower Upper

76 100

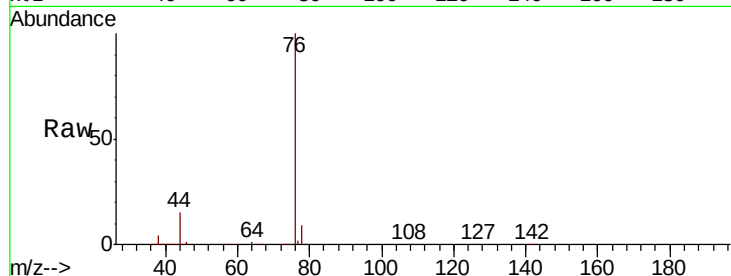
78 8.8 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

200000

150000

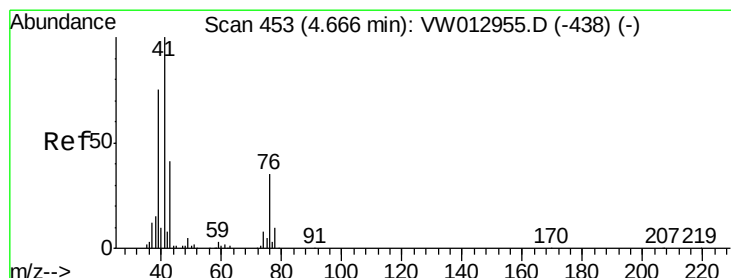
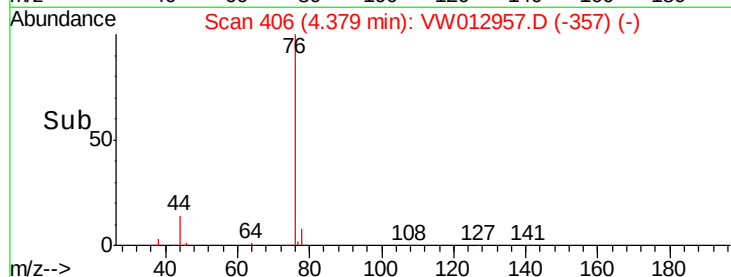
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 138.862 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012957.D

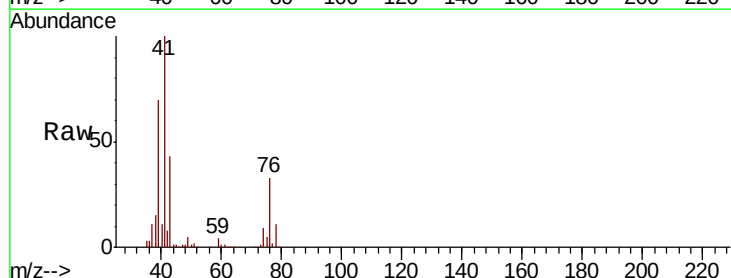
Acq: 13 Sep 2019 16:16

Tgt Ion: 43 Resp: 209526

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

80000

60000

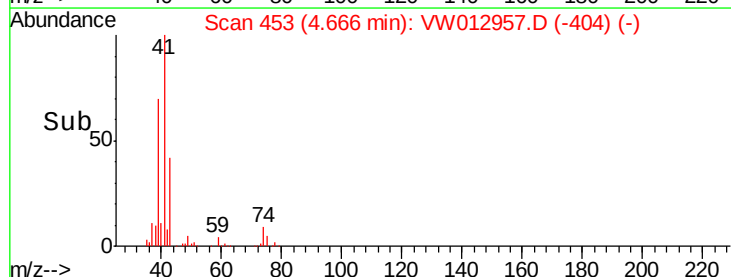
40000

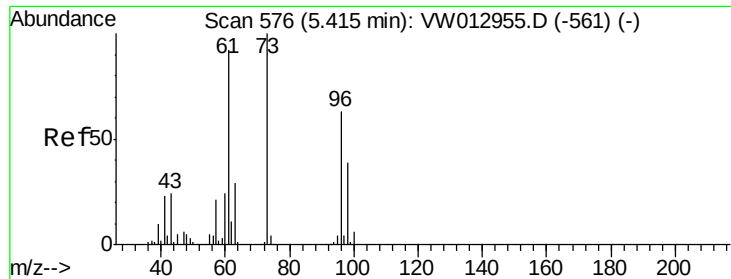
20000

0

4.60 4.70 4.80

Time-->





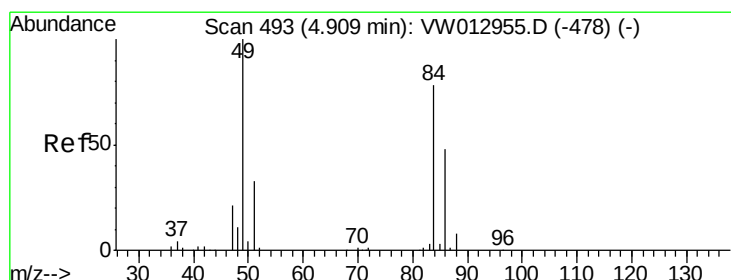
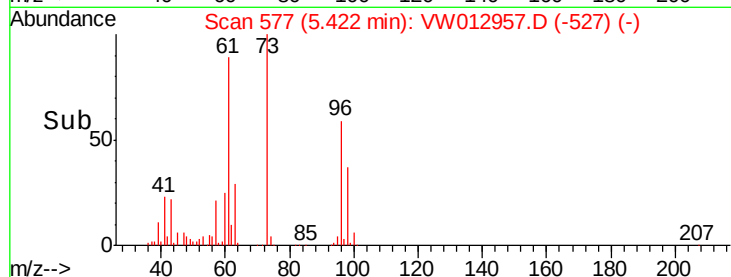
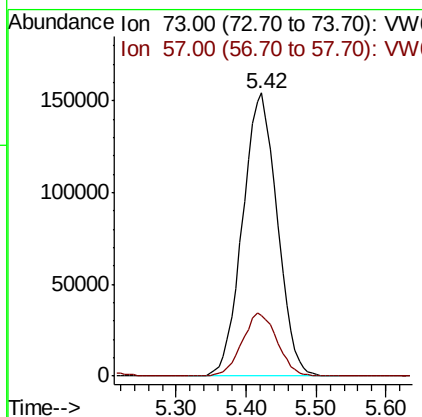
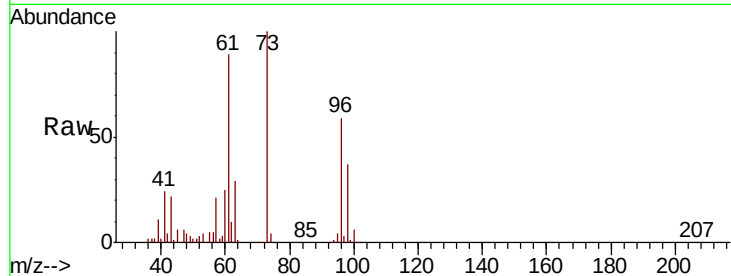
#19
Methyl tert-butyl Ether
Concen: 135.831 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 530723
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6

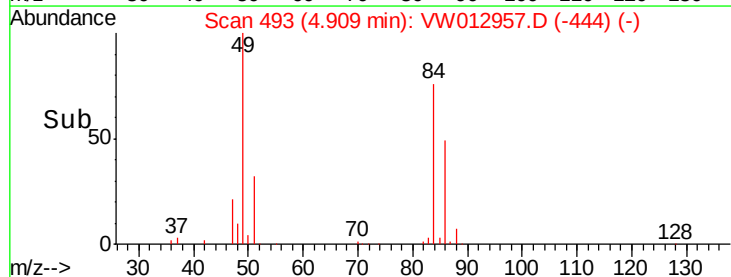
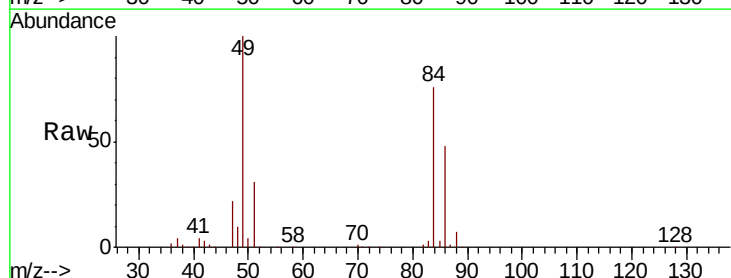
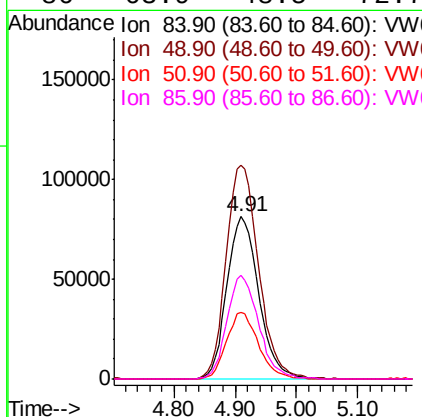
Manual Integrations
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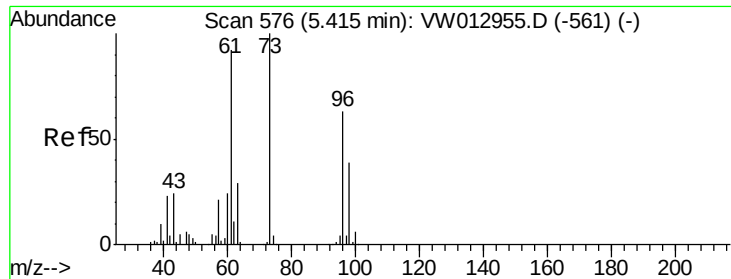
MMDadoda
9/16/2019 12:43:45 AM



#20
Methylene Chloride
Concen: 117.975 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 84 Resp: 293686
Ion Ratio Lower Upper
84 100
49 131.8 102.0 153.0
51 41.4 34.0 51.0
86 63.9 48.5 72.7





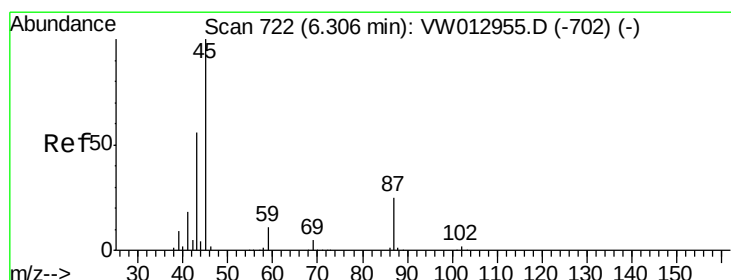
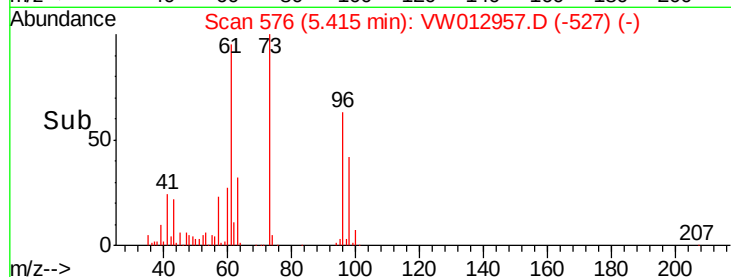
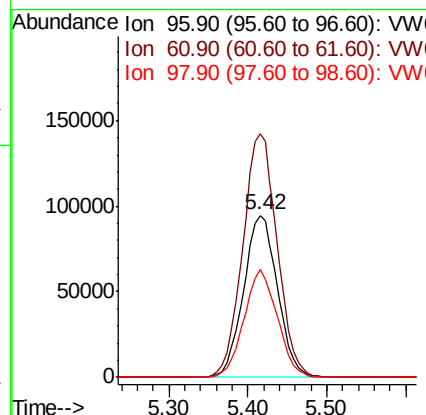
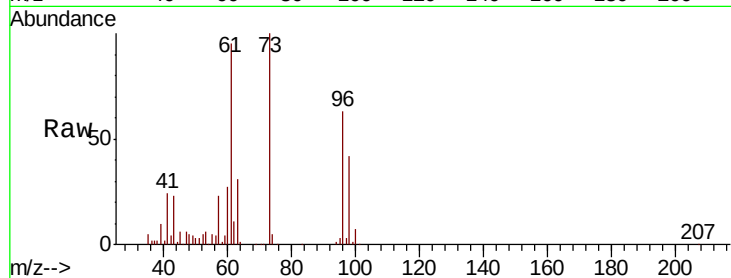
#21
trans-1,2-Dichloroethene
Concen: 133.357 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	116.2	174.2
98	66.6	49.8	74.6

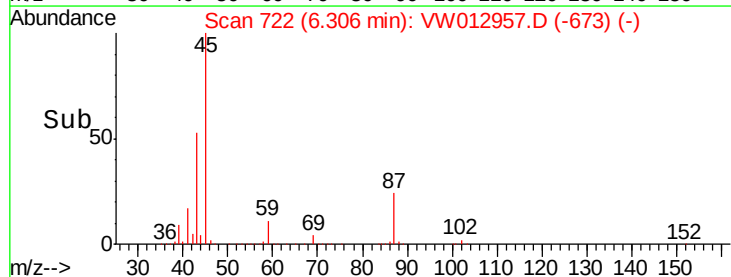
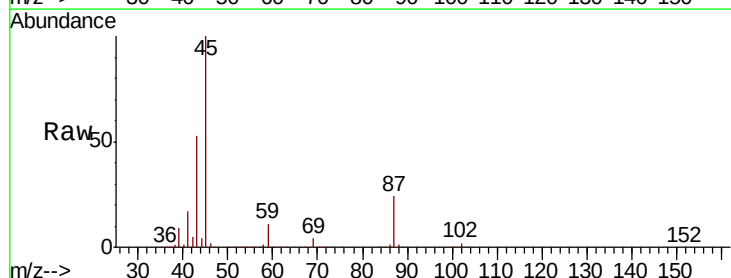
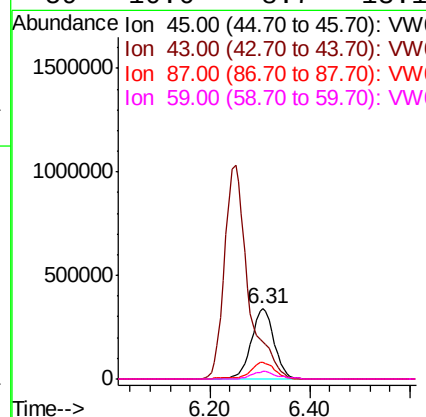
Manual Integrations
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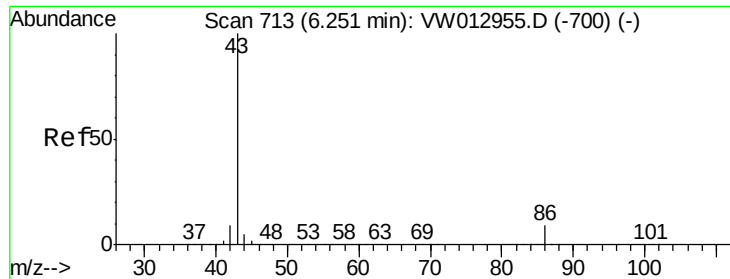
MMDadoda
9/16/2019 12:43:45 AM



#22
Diisopropyl ether
Concen: 138.601 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.4	44.6	67.0
87	23.9	20.0	30.0
59	10.6	8.7	13.1





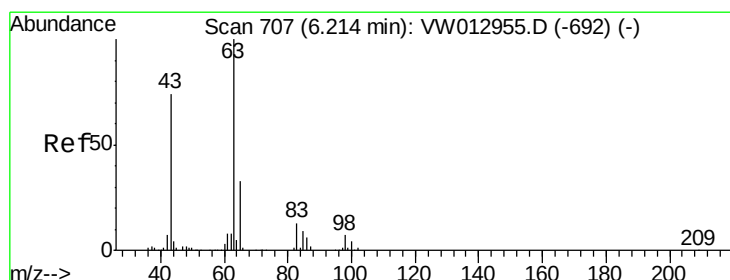
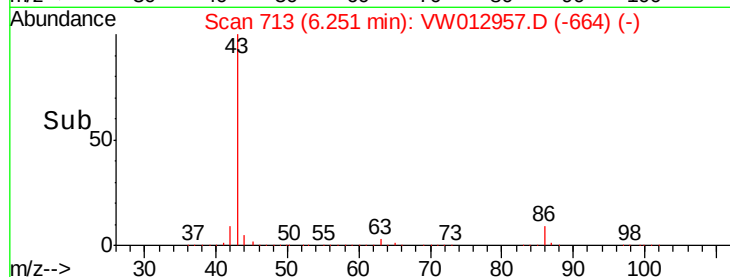
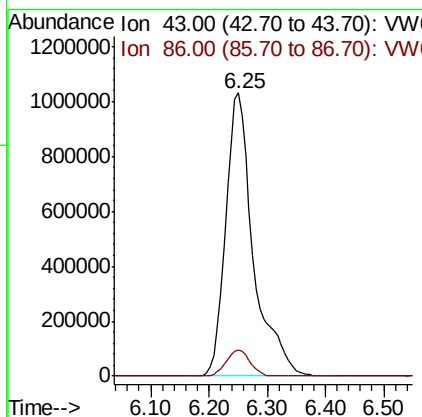
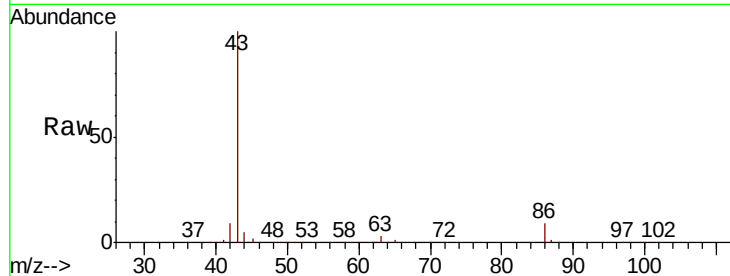
#23
 Vinyl Acetate
 Concen: 728.646 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 3406849
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.0 10.6

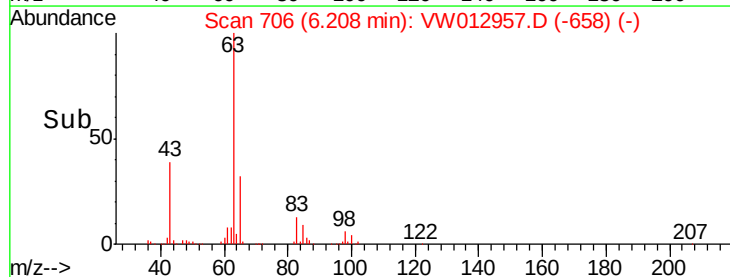
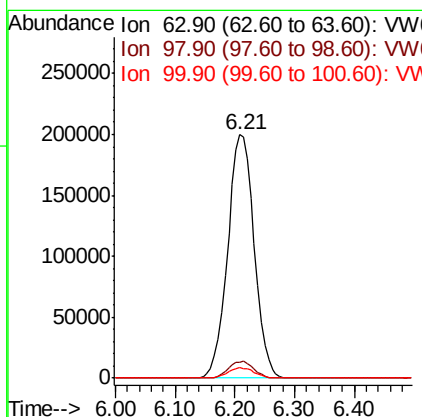
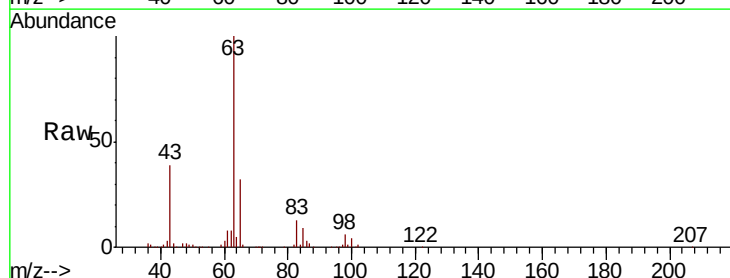
Manual Integrations
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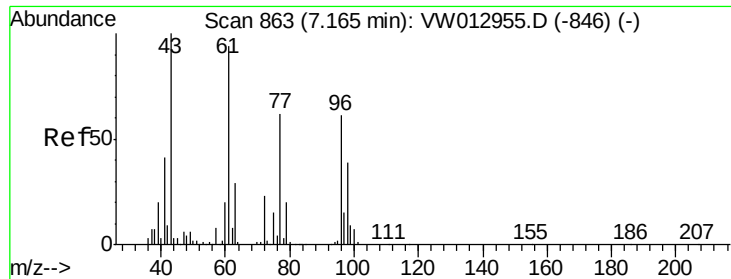
MMDadoda
 9/16/2019 12:43:45 AM



#24
 1,1-Dichloroethane
 Concen: 136.849 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 63 Resp: 615951
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.2 1.8 5.5





#25

2-Butanone

Concen: 680.378 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 43 Resp: 572975

Ion Ratio Lower Upper

43 100

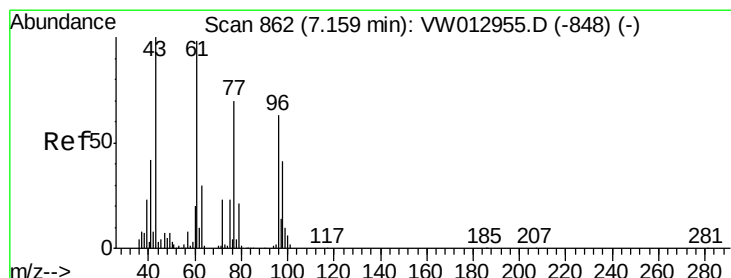
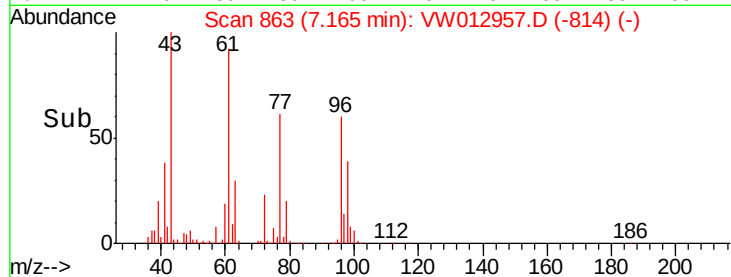
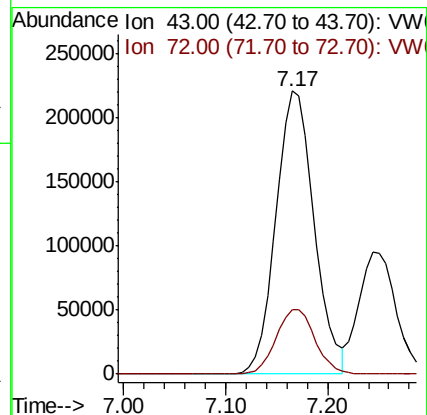
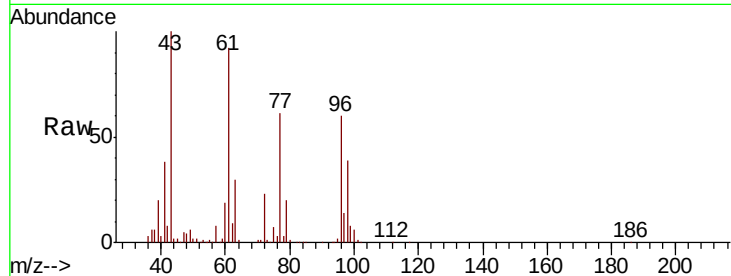
72 23.0 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 123.602 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW012957.D

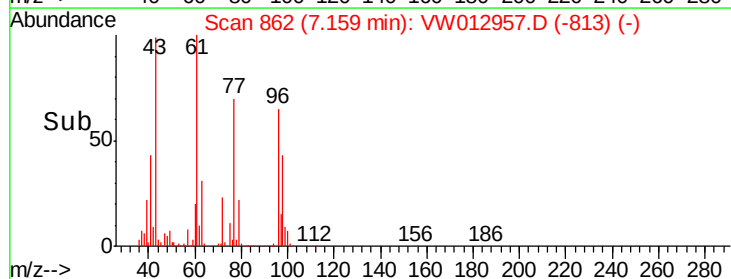
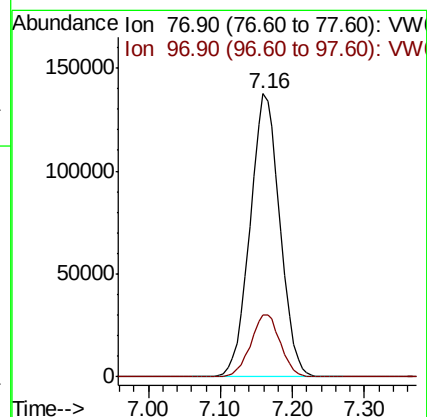
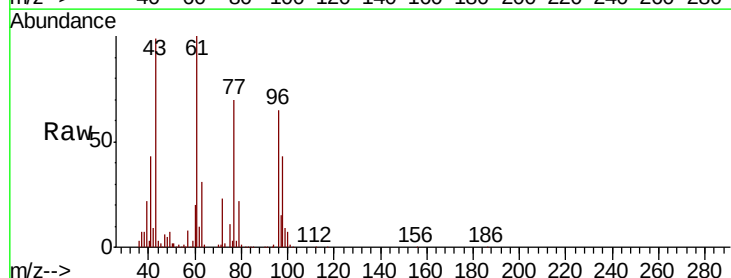
Acq: 13 Sep 2019 16:16

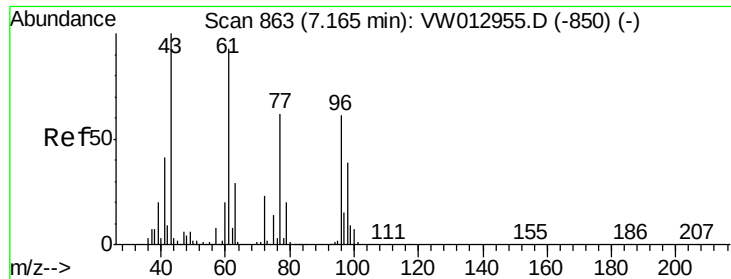
Tgt Ion: 77 Resp: 394483

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1





#27

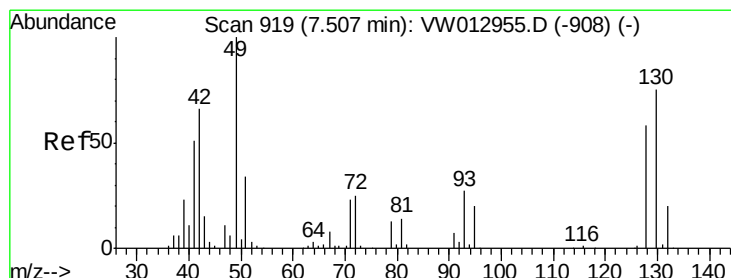
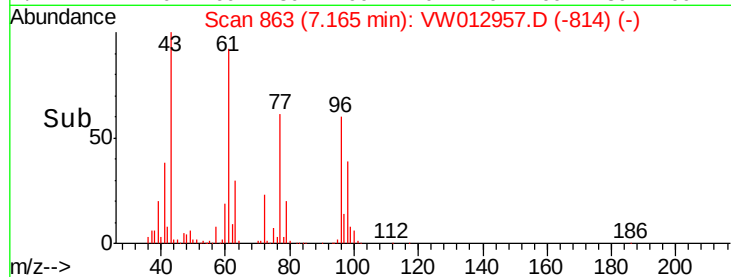
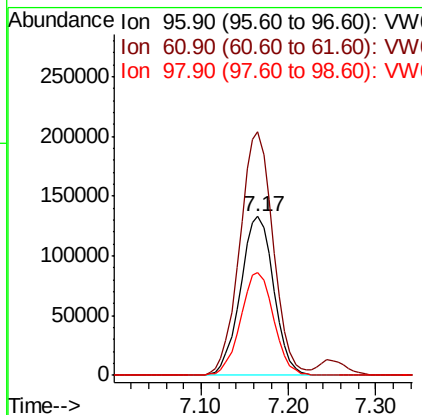
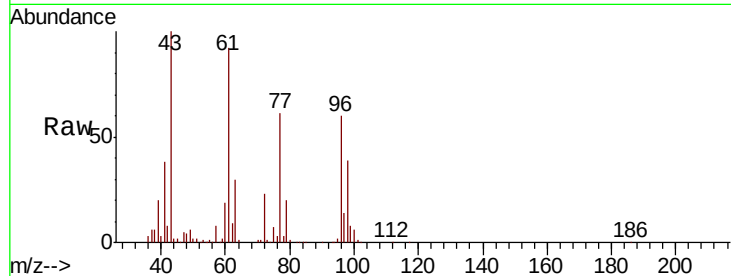
cis-1,2-Dichloroethene
Concen: 138.400 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	351273		
61	153.4	0.0	315.4	
98	64.3	0.0	131.0	

Manual Integrations
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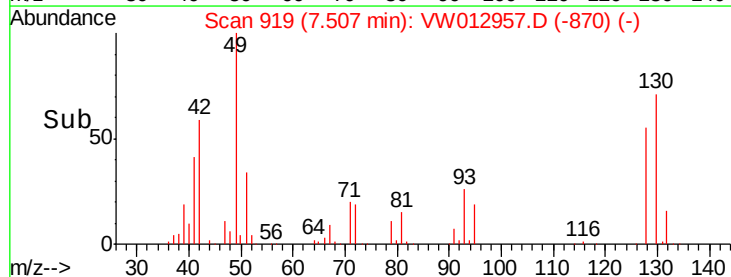
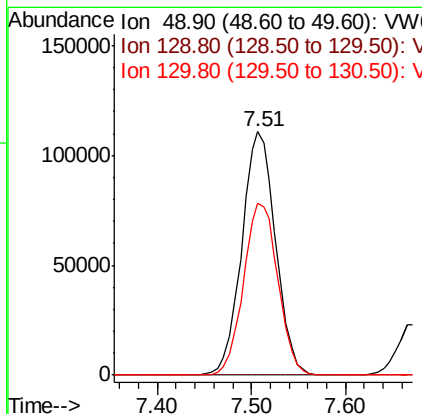
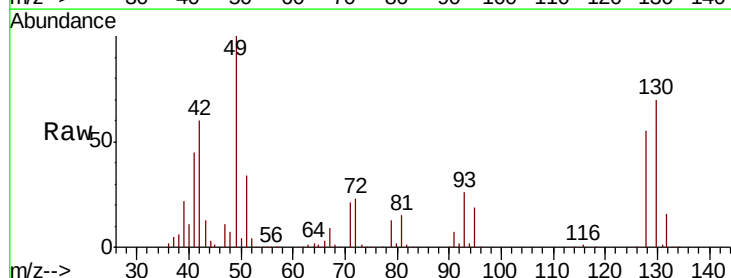
MMDadoda
9/16/2019 12:43:45 AM

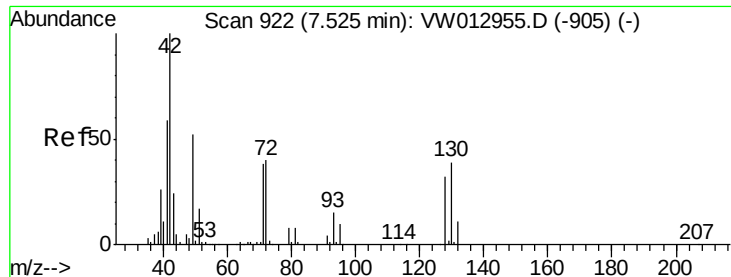


#28

Bromochloromethane
Concen: 146.716 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	277945		
129	0.0	0.0	1.4	
130	71.9	57.8	86.6	





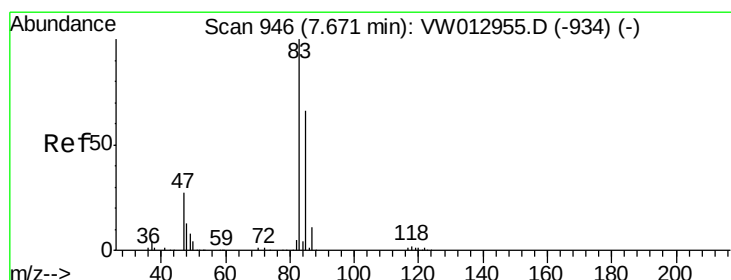
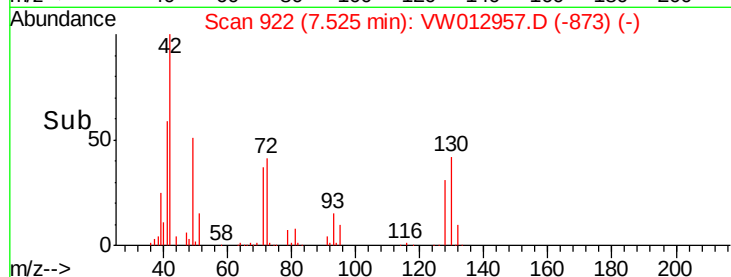
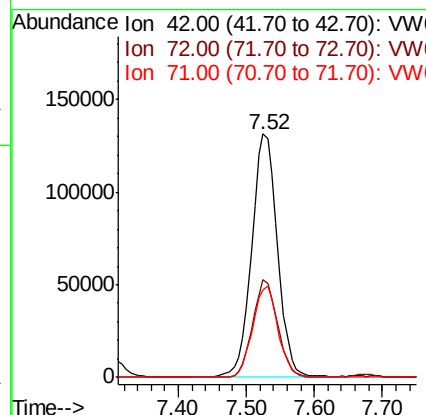
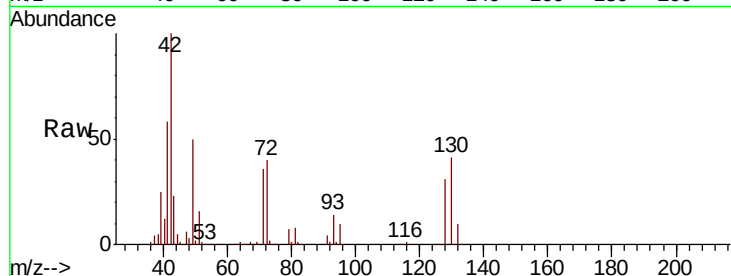
#29
Tetrahydrofuran
Concen: 724.016 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.0
71	36.7	29.8	44.8

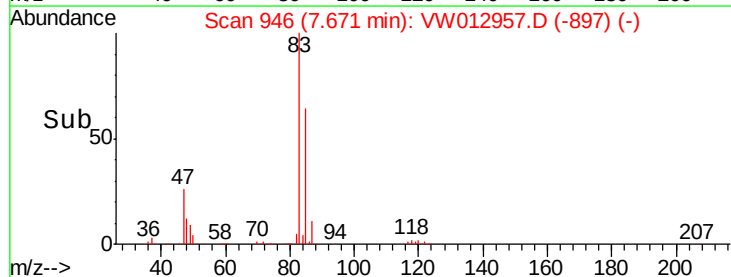
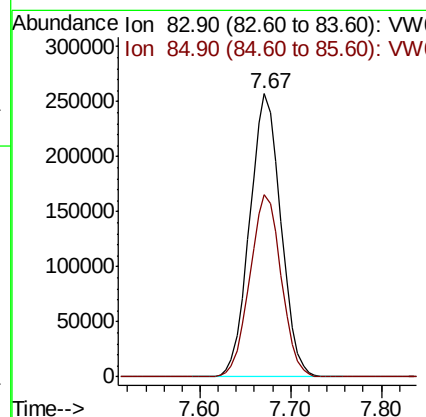
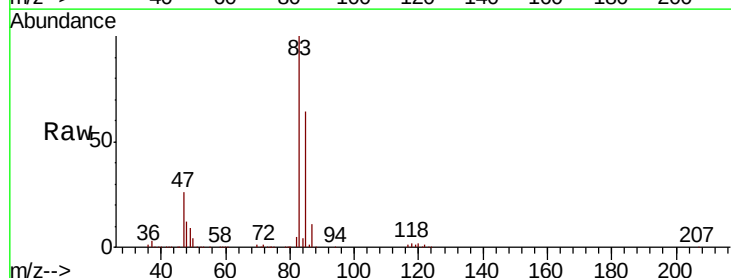
Manual Integrations
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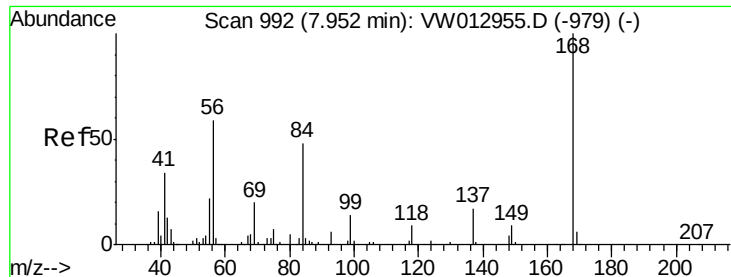
MMDadoda
9/16/2019 12:43:45 AM



#30
Chloroform
Concen: 133.701 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.8	79.2





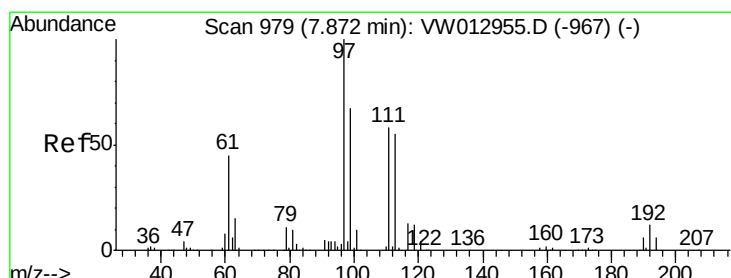
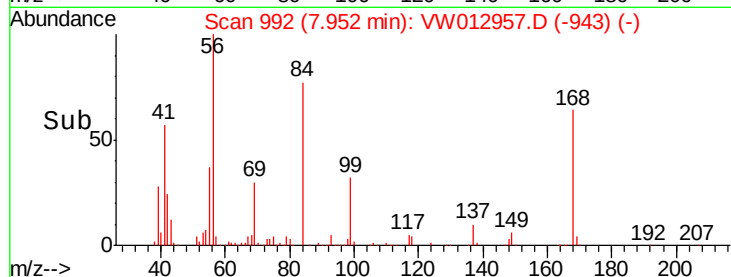
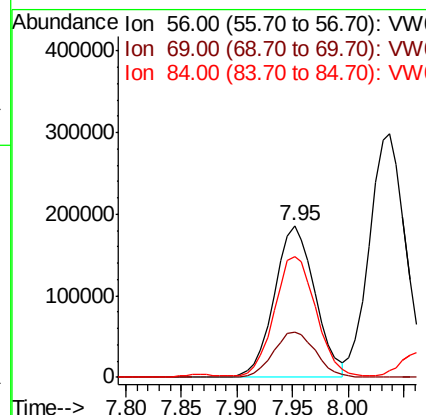
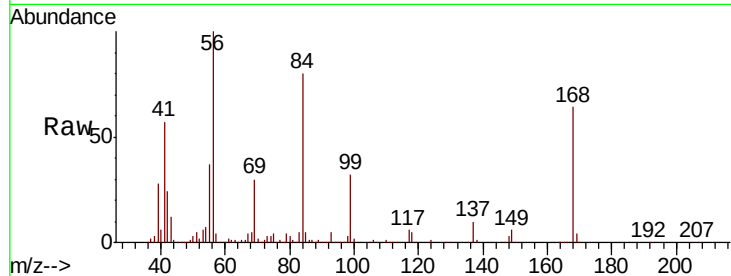
#31
Cyclohexane
Concen: 123.183 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	27.0	40.6
84	78.5	66.2	99.2

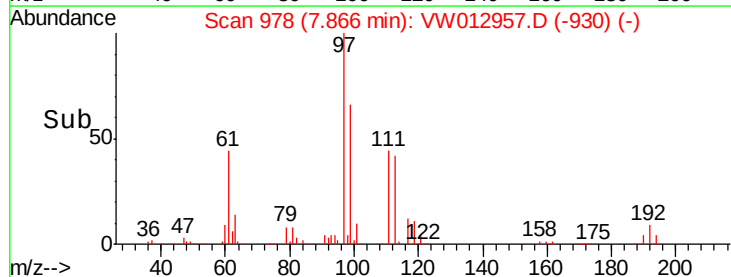
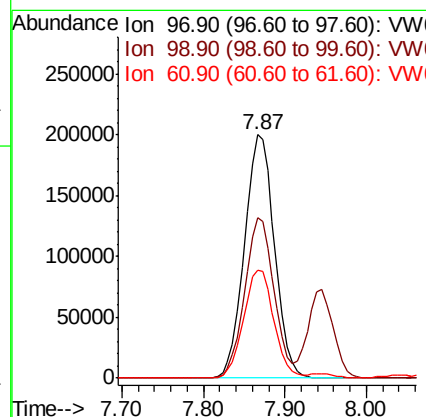
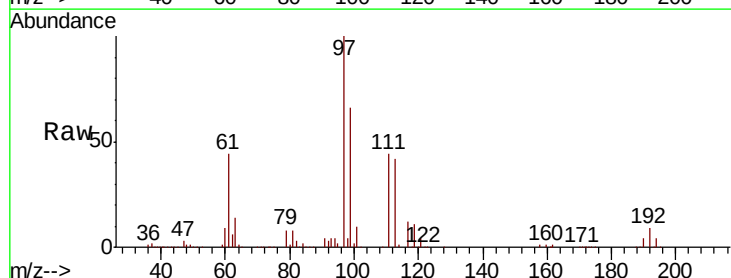
Manual Integrations
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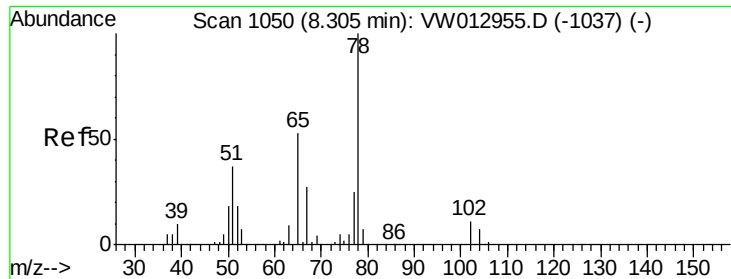
MMDadoda
9/16/2019 12:43:45 AM



#32
1,1,1-Trichloroethane
Concen: 135.624 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.0	79.4
61	44.8	36.5	54.7





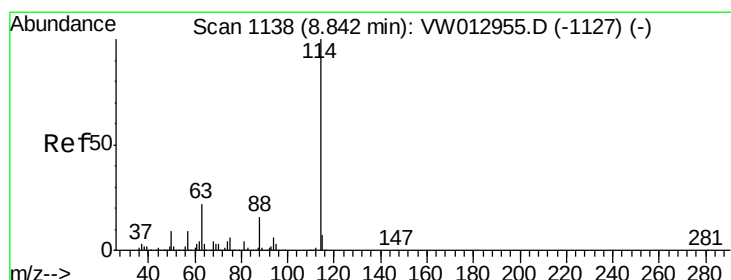
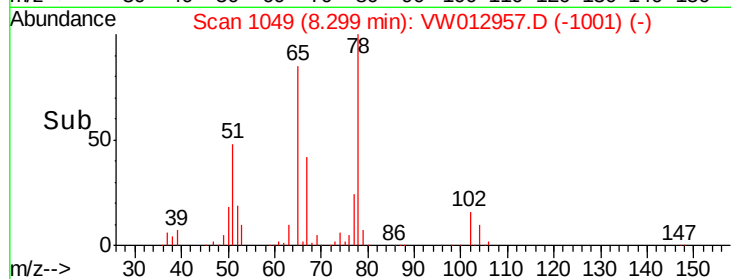
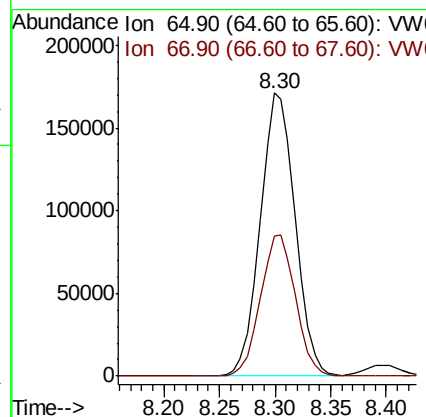
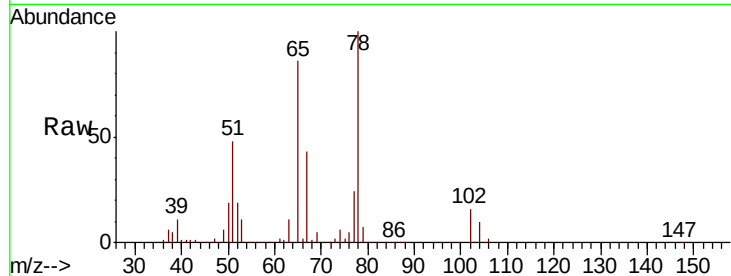
#33
 1,2-Dichloroethane-d4
 Concen: 141.304 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	374235		
67	50.1	0.0	101.2	

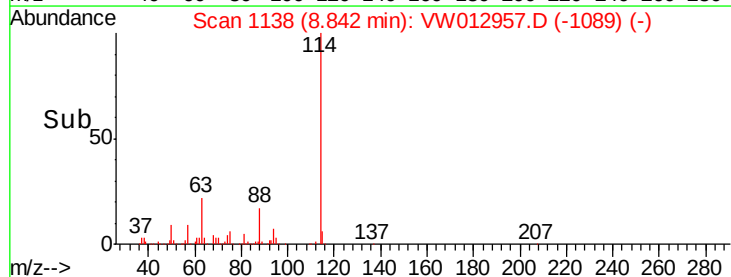
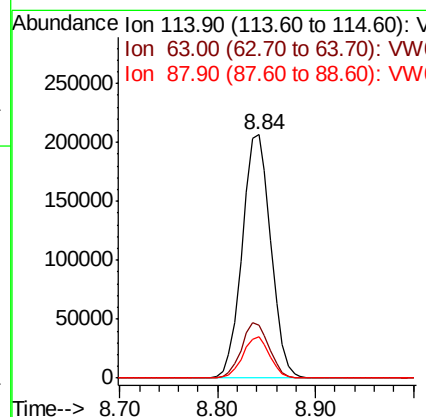
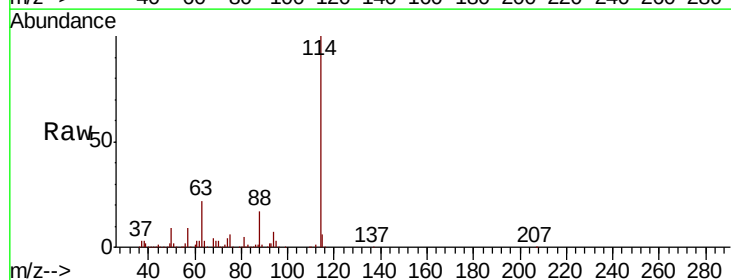
Manual Integrations
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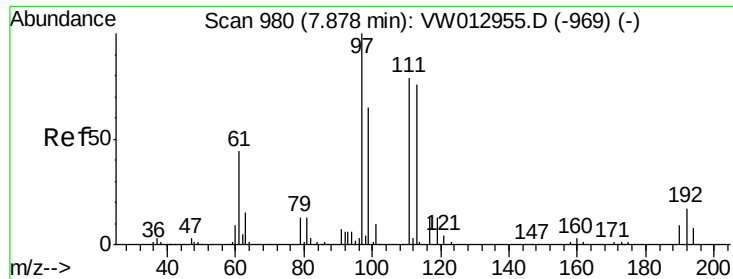
MMDadoda
 9/16/2019 12:43:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417504		
63	21.6	0.0	43.4	
88	17.0	0.0	31.6	





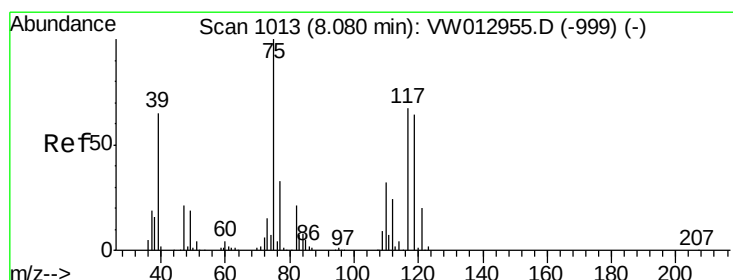
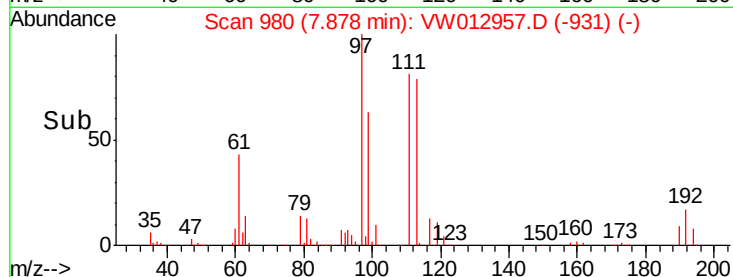
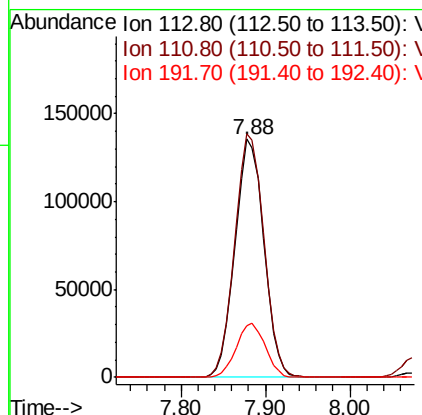
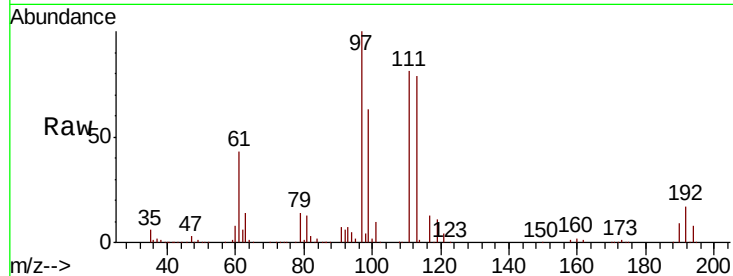
#35
 Dibromofluoromethane
 Concen: 138.634 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	314066		
111	103.2	82.8	124.2	
192	22.7	17.8	26.8	

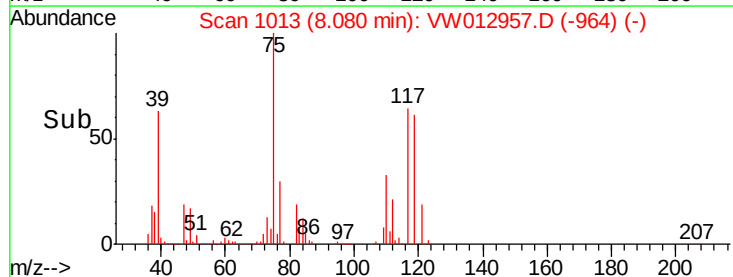
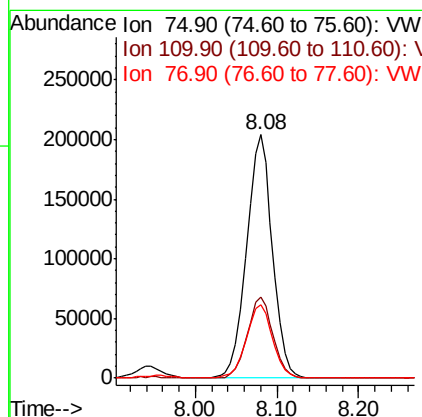
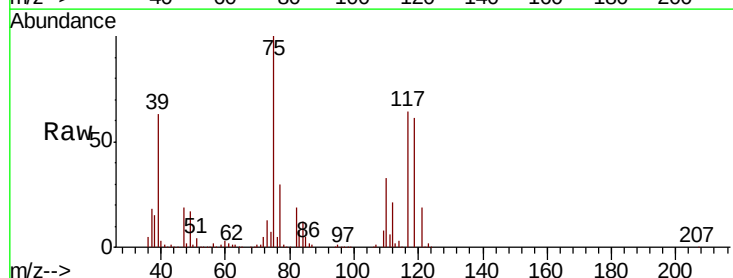
Manual Integrations
 APPROVED

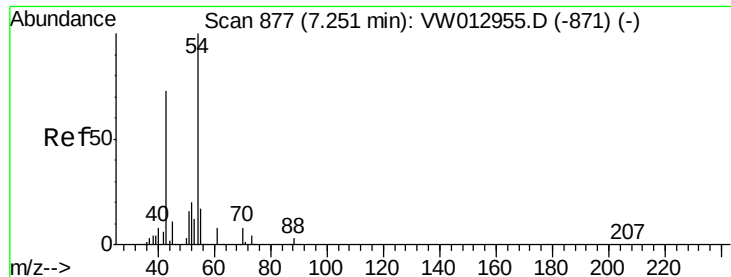
MMDadoda
 9/16/2019 12:43:45 AM



#36
 1,1-Dichloropropene
 Concen: 134.029 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	447150		
110	33.1	16.4	49.1	
77	30.9	25.1	37.7	





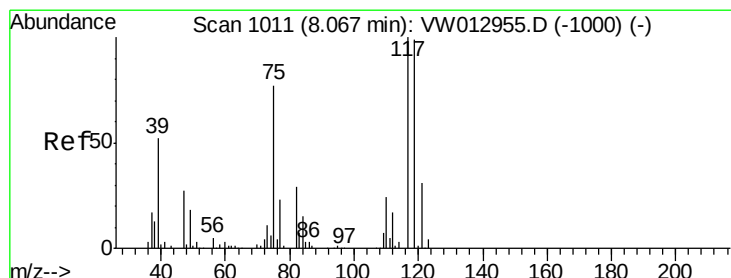
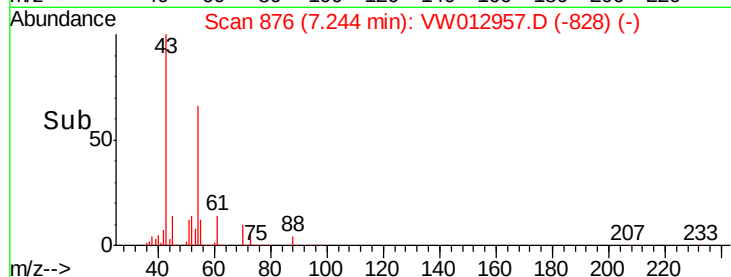
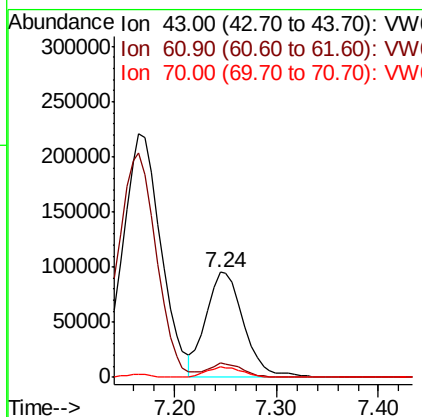
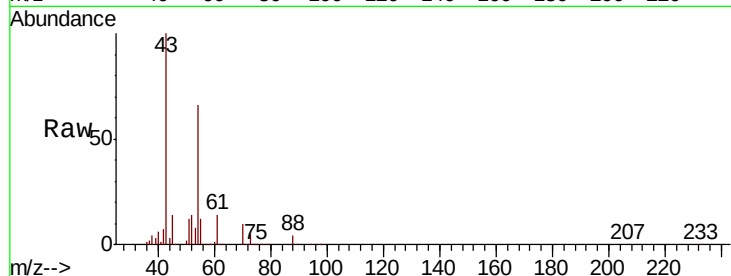
#37
Ethyl Acetate
Concen: 138.096 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	244543		
61	12.4		9.6	14.4
70	9.4		7.6	11.4

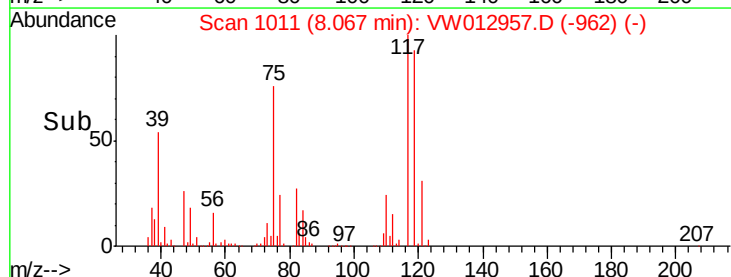
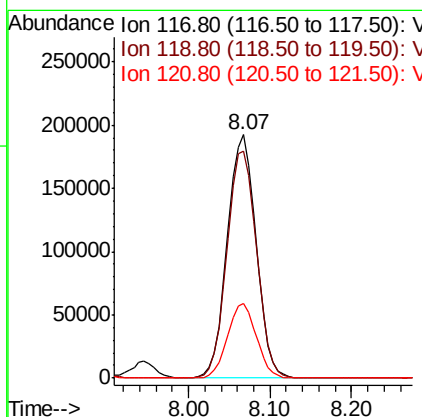
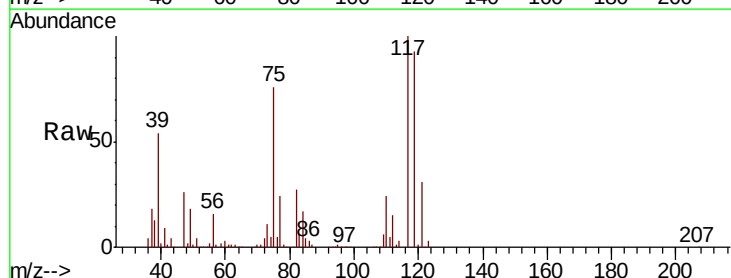
Manual Integrations
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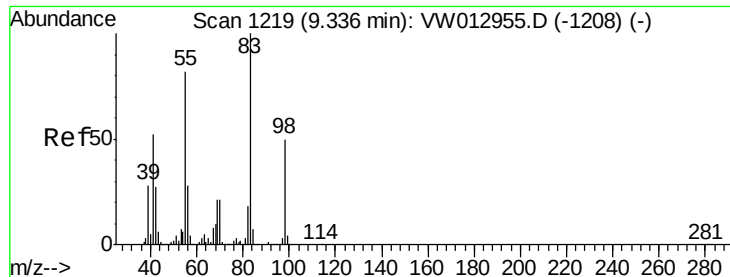
MMDadoda
9/16/2019 12:43:45 AM



#38
Carbon Tetrachloride
Concen: 137.327 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	469505		
119	93.3		79.4	119.0
121	30.6		24.6	36.8





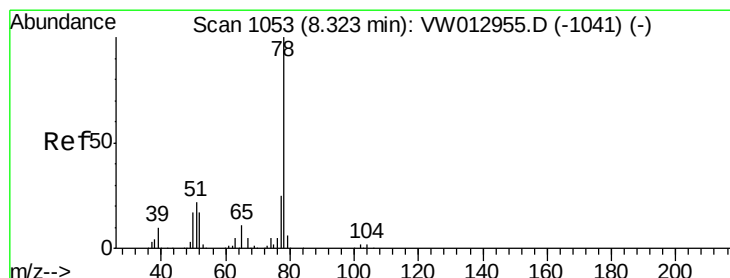
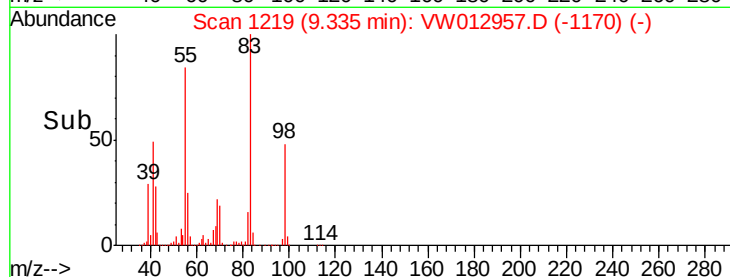
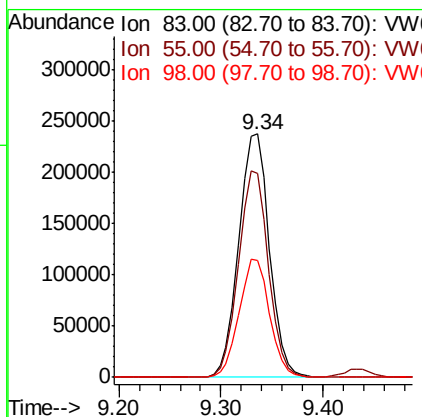
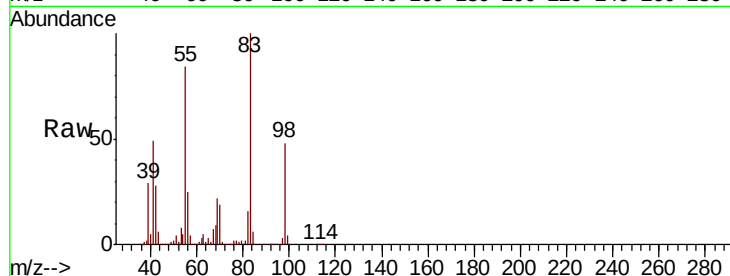
#39
Methylcyclohexane
Concen: 135.509 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	495392		
55	83.8	65.9	98.9	
98	48.0	39.6	59.4	

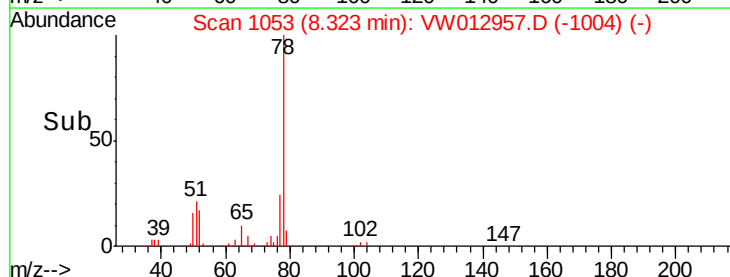
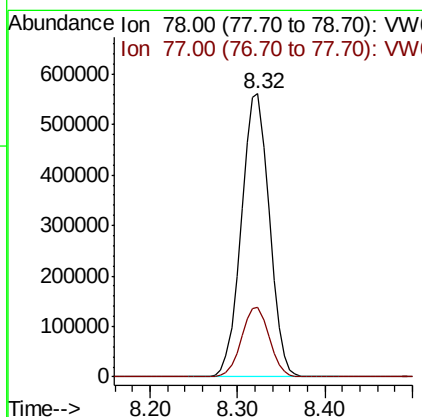
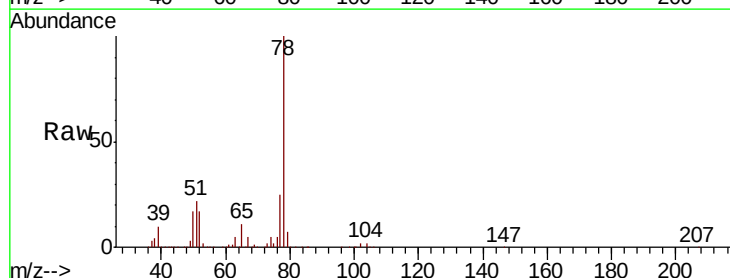
Manual Integrations
APPROVED

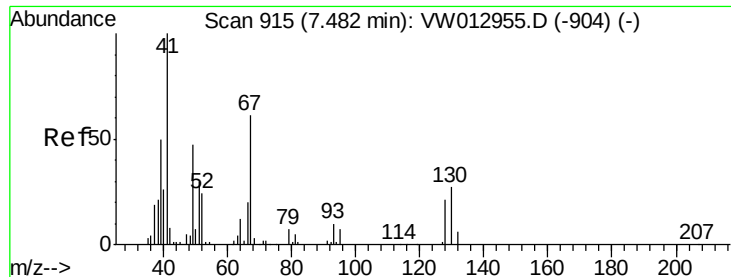
MMDadoda
9/16/2019 12:43:45 AM



#40
Benzene
Concen: 133.828 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1246421		
77	24.6	19.6	29.4	





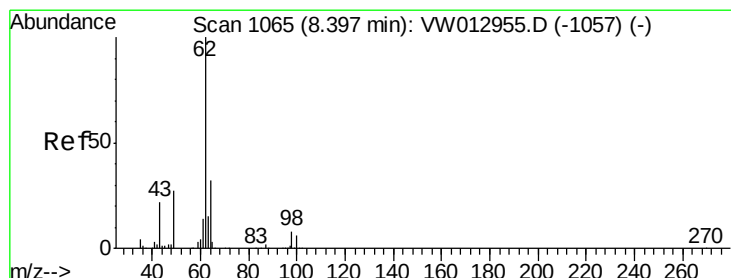
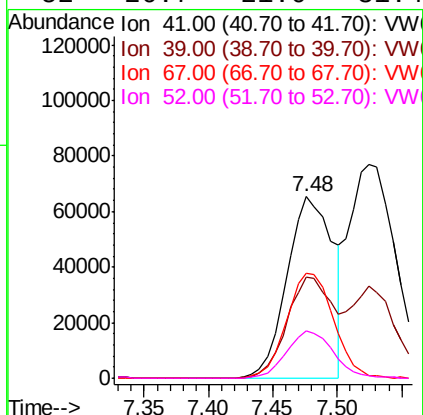
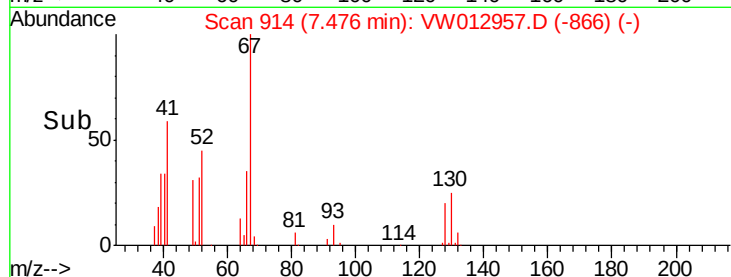
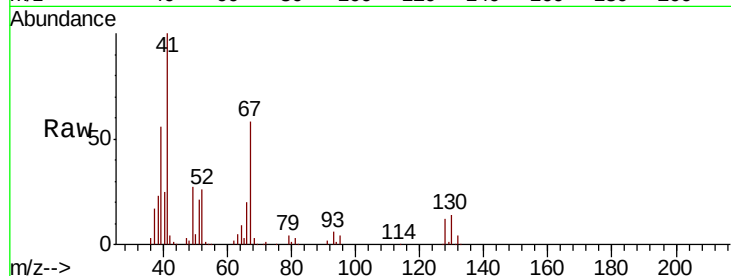
#41
Methacrylonitrile
Concen: 138.649 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.1	48.2	72.4
67	59.0	47.5	71.3
52	26.7	21.0	31.4

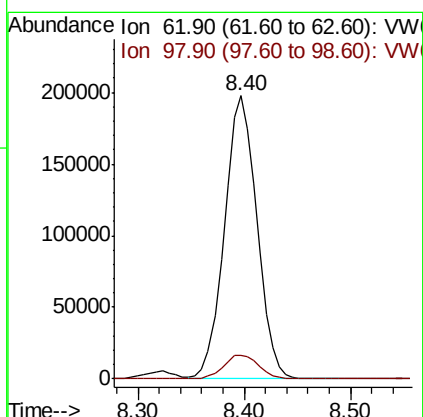
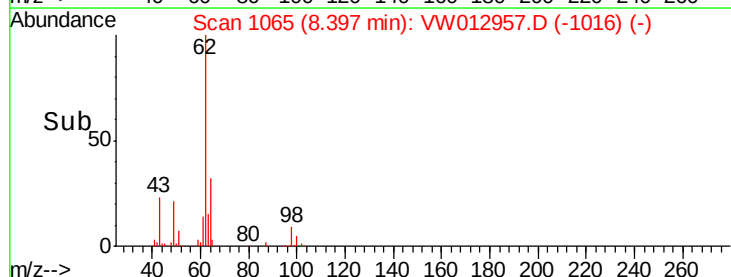
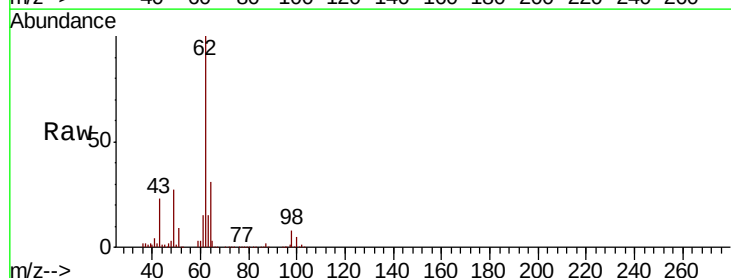
Manual Integrations
APPROVED

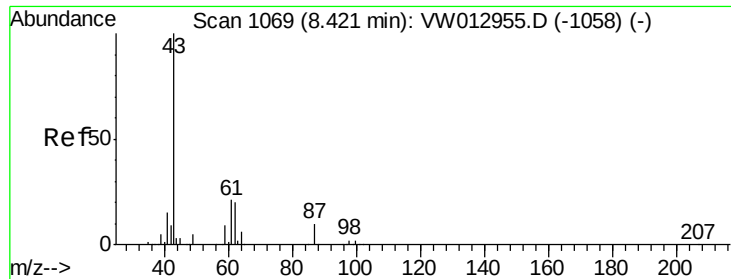
MMDadoda
9/16/2019 12:43:45 AM



#42
1,2-Dichloroethane
Concen: 135.027 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.8





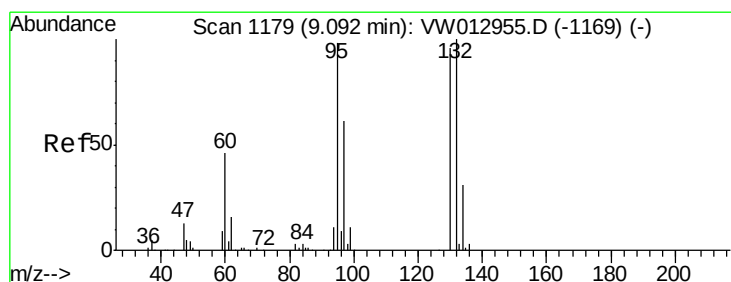
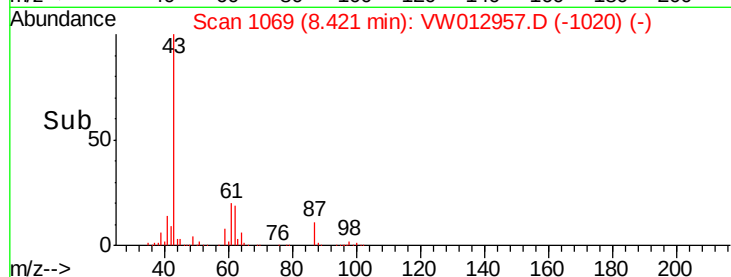
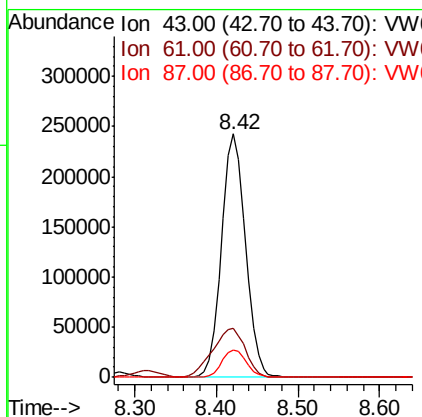
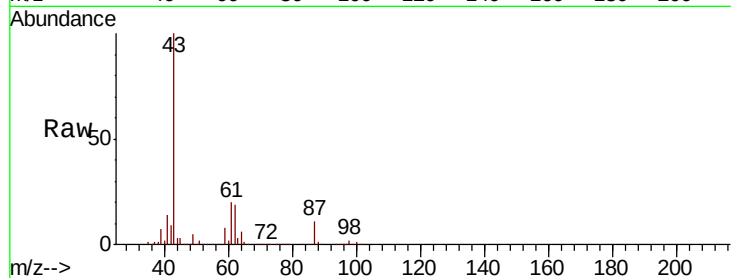
#43
Isopropyl Acetate
Concen: 145.161 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.7	34.1
87	11.7	9.4	14.2

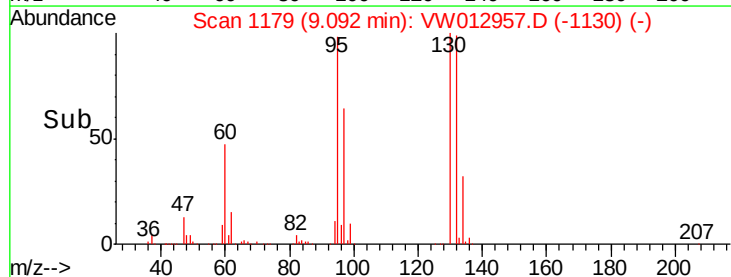
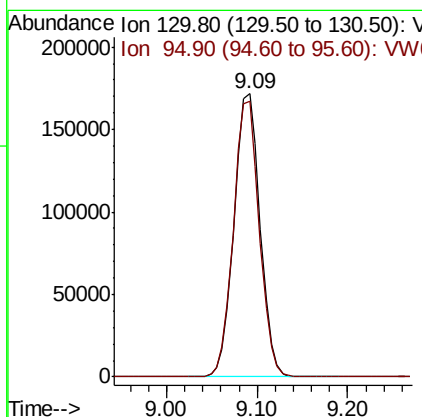
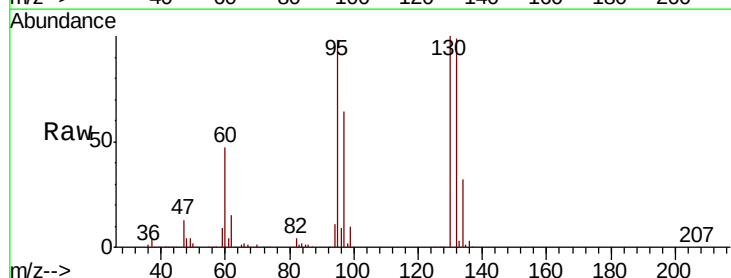
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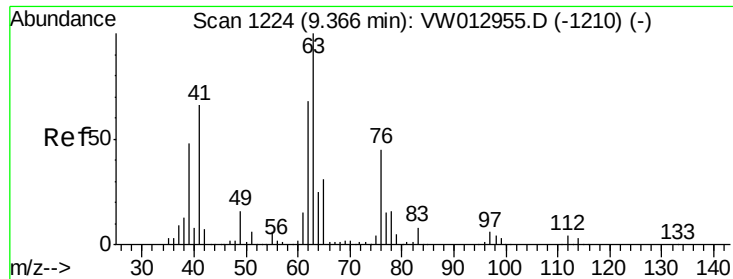
MMDadoda
9/16/2019 12:43:45 AM



#44
Trichloroethene
Concen: 134.107 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	204.4





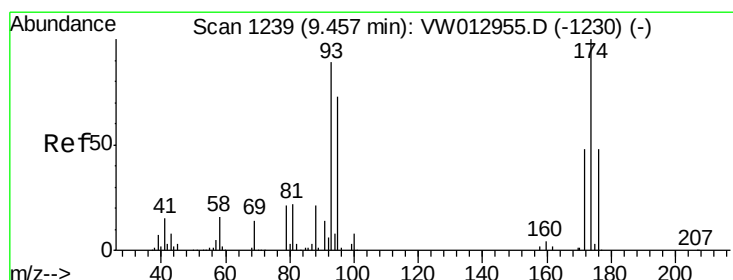
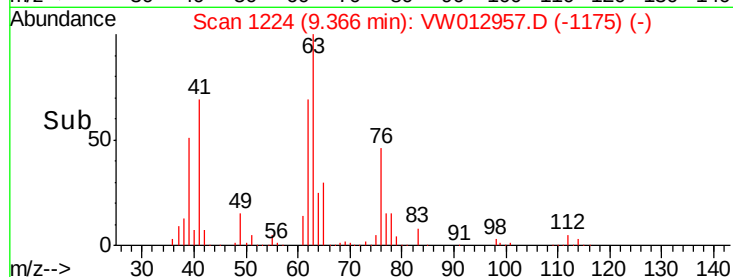
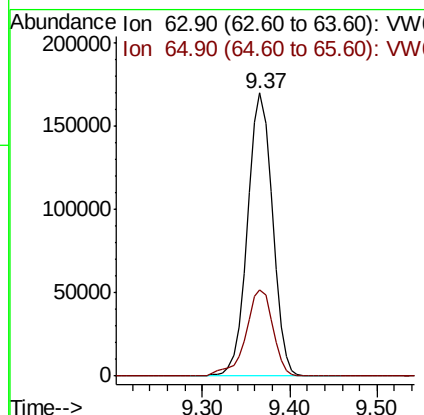
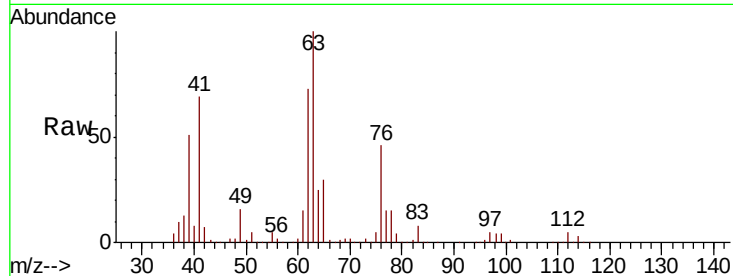
#45
 1,2-Dichloropropane
 Concen: 135.872 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 336212
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0

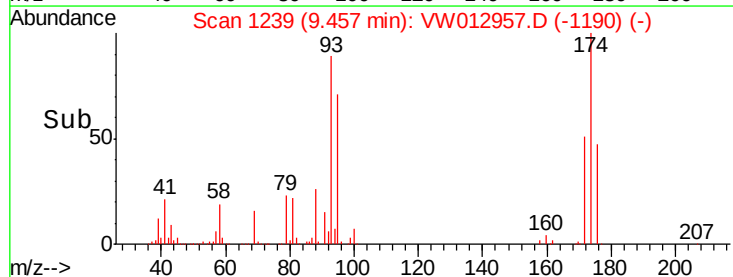
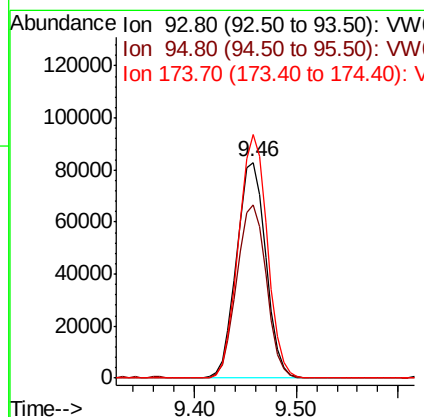
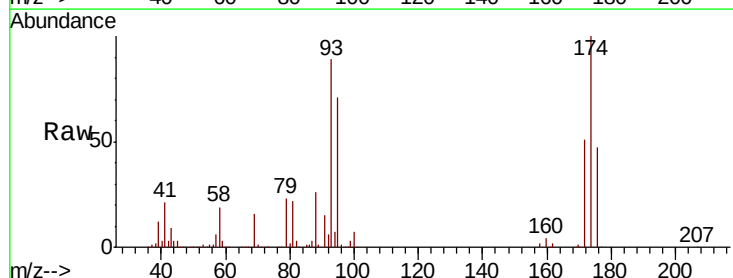
Manual Integrations
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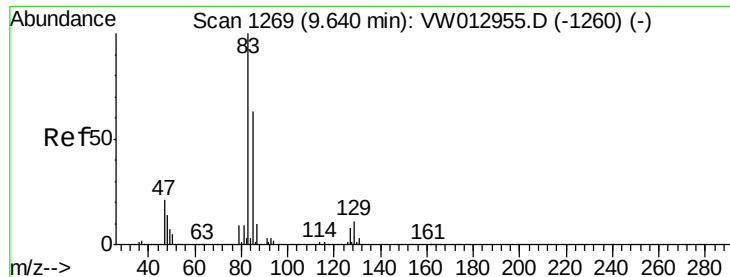
MMDadoda
 9/16/2019 12:43:45 AM



#46
 Dibromomethane
 Concen: 138.471 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 93 Resp: 164160
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.4
 174 111.6 90.5 135.7





#47

Bromodichloromethane

Concen: 141.683 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

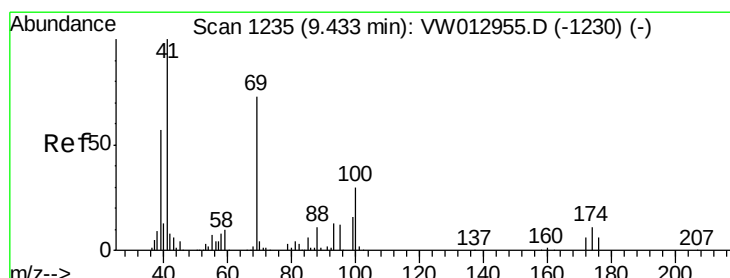
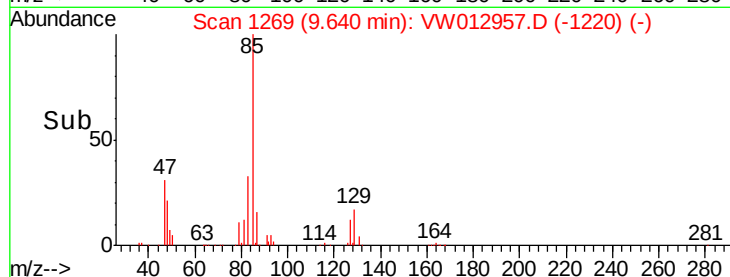
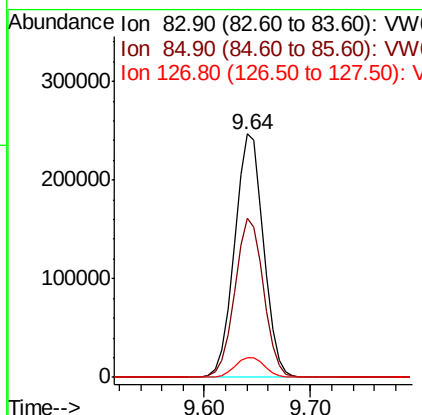
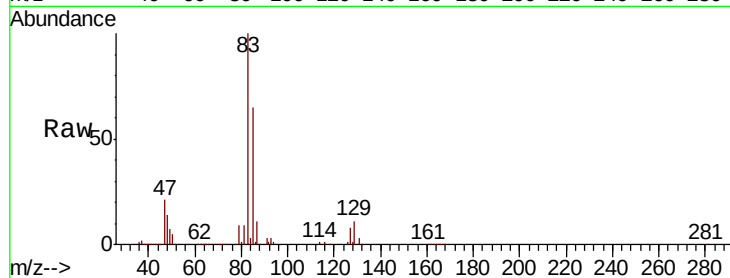
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	471152
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	75.8
127	8.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 150.627 ug/l

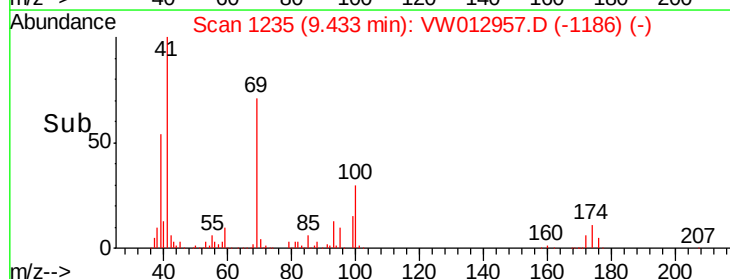
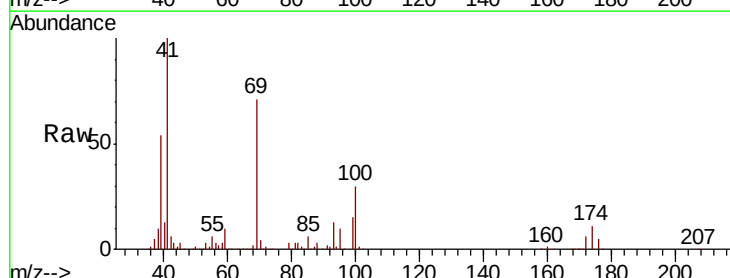
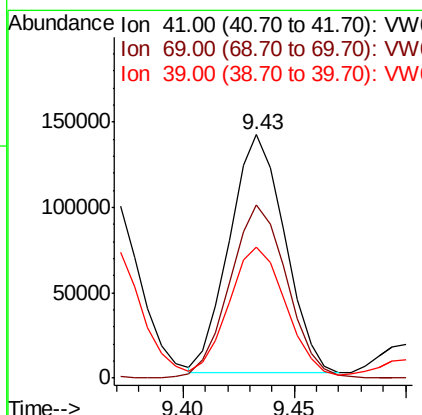
RT: 9.43 min Scan# 1235

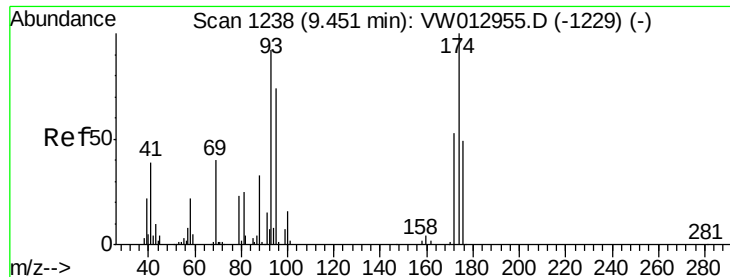
Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion:	41	Resp:	240356
Ion Ratio	Lower	Upper	
41	100		
69	75.8	62.8	94.2
39	57.6	48.5	72.7





#49

1,4-Dioxane

Concen: 2779.574 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

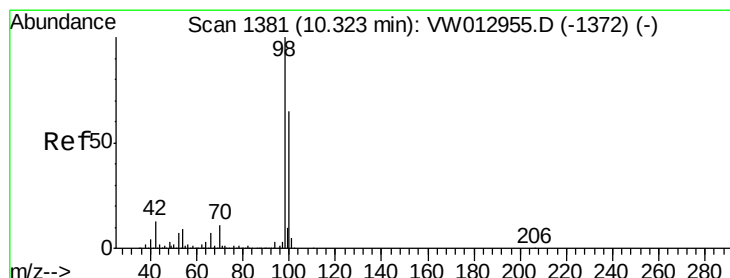
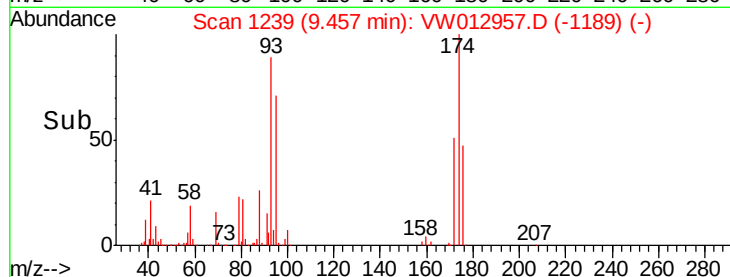
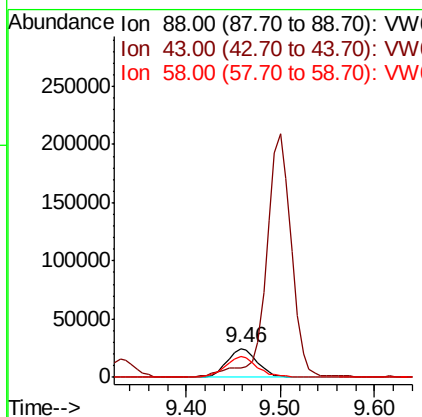
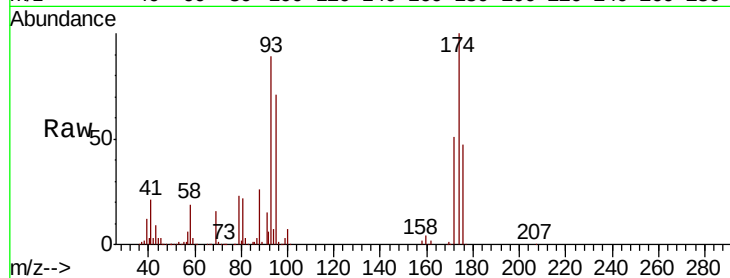
ClientSampleId :

VSTDICC150

Tgt Ion:	88	Resp:	55216
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	76.6	60.2	90.2

Manual Integrations
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#50

Toluene-d8

Concen: 143.691 ug/l

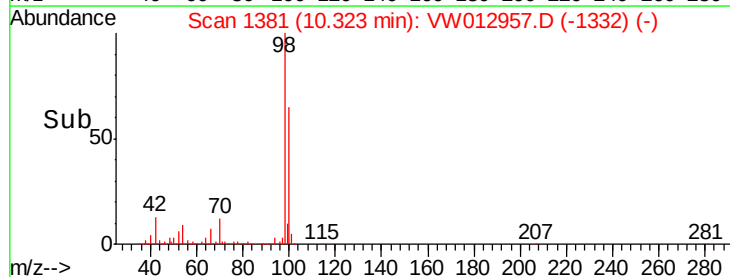
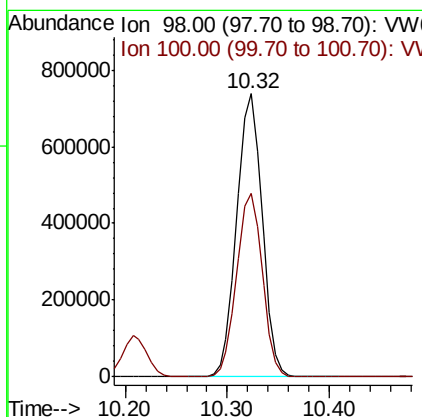
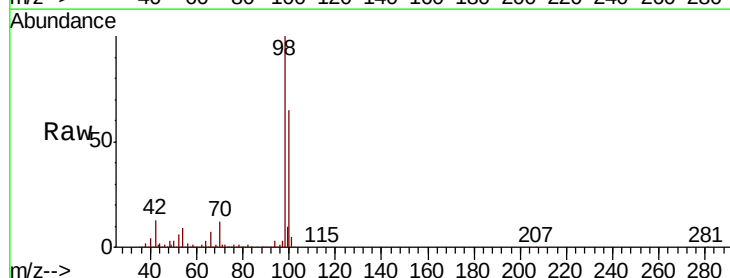
RT: 10.32 min Scan# 1381

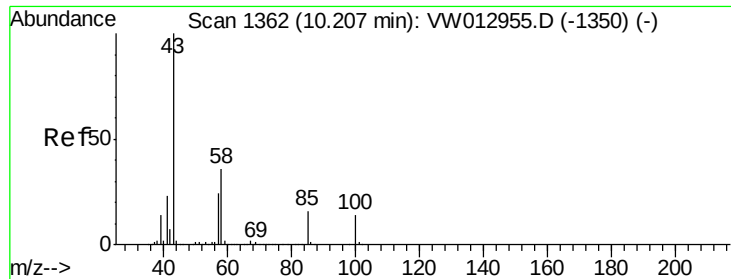
Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion:	98	Resp:	1273803
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 716.247 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 1257275

Ion Ratio Lower Upper

43 100

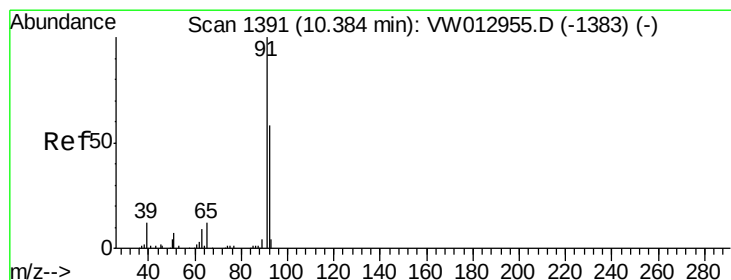
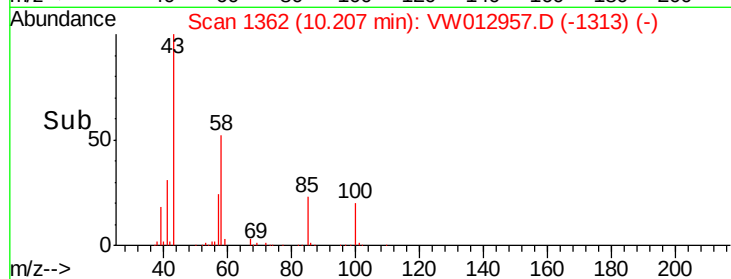
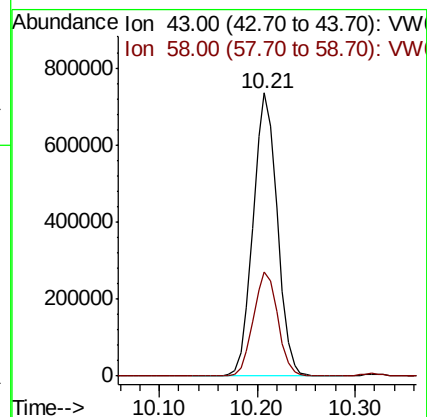
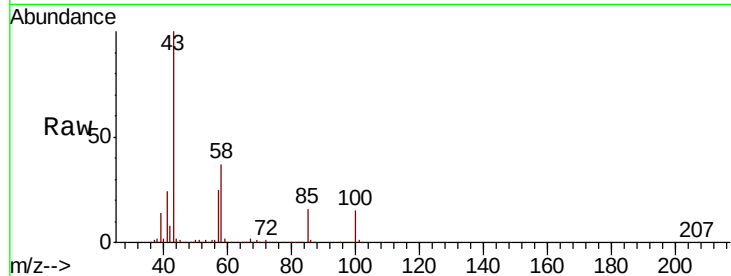
58 37.2 29.5 44.3

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#52

Toluene

Concen: 136.844 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012957.D

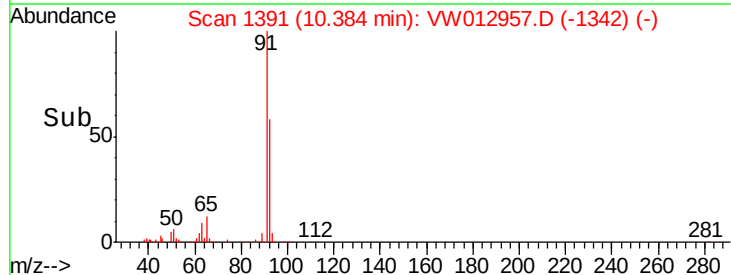
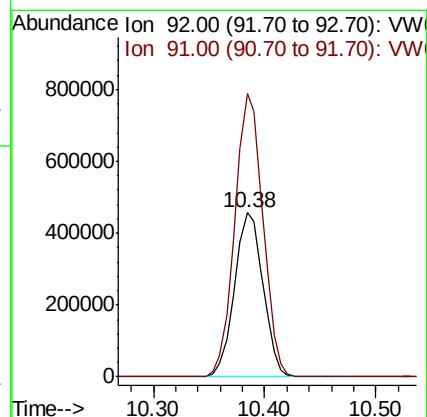
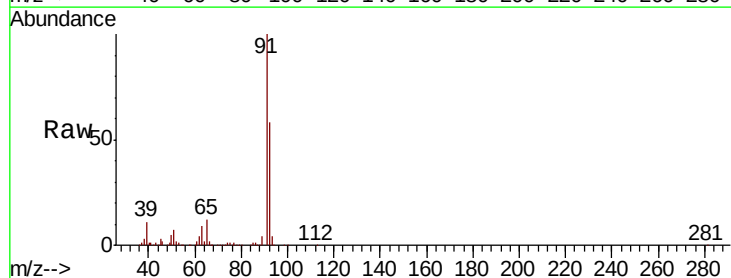
Acq: 13 Sep 2019 16:16

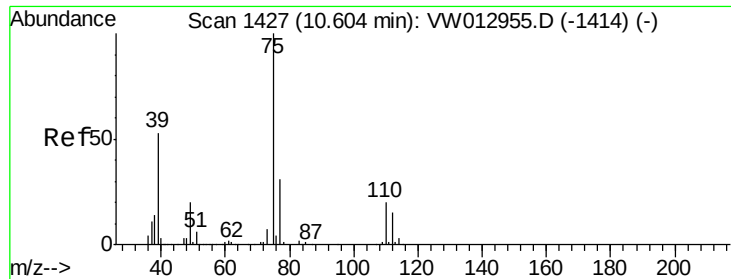
Tgt Ion: 92 Resp: 809874

Ion Ratio Lower Upper

92 100

91 170.2 137.5 206.3





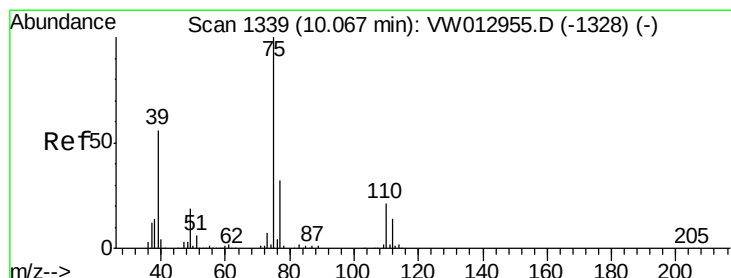
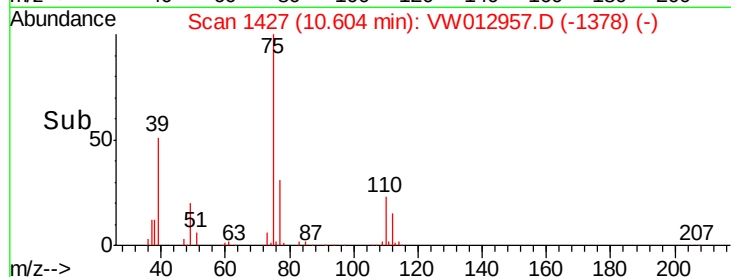
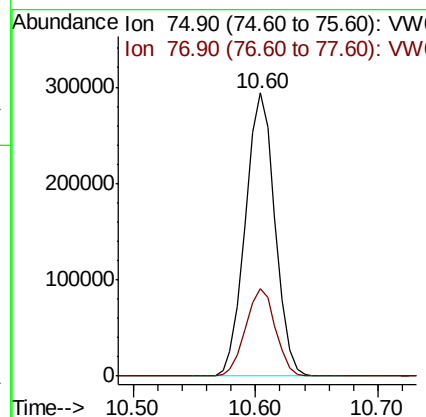
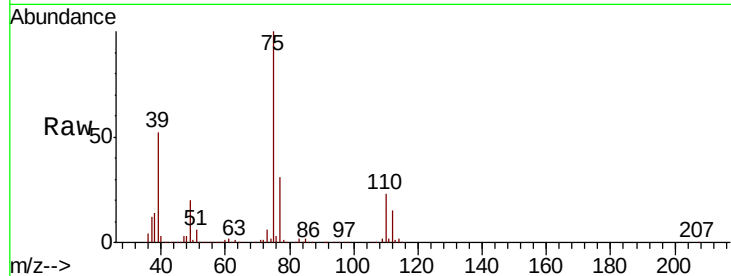
#53
t-1,3-Dichloropropene
Concen: 147.521 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 493369
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0

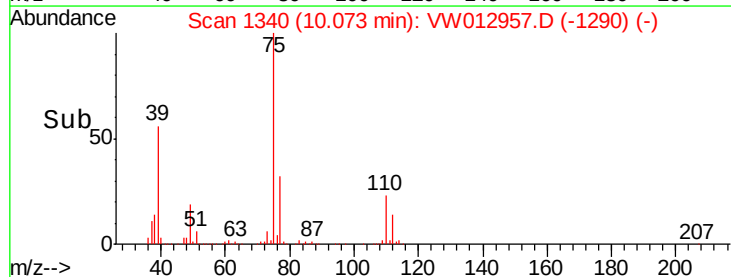
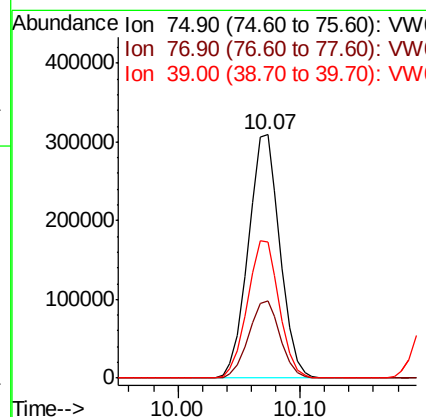
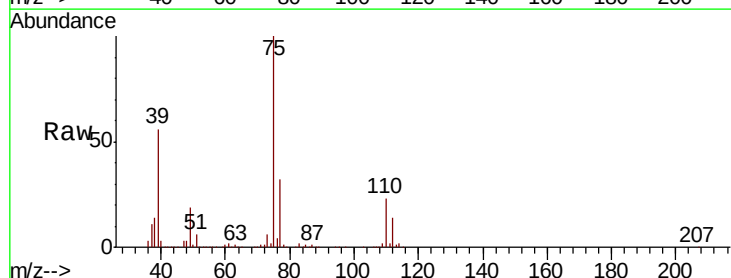
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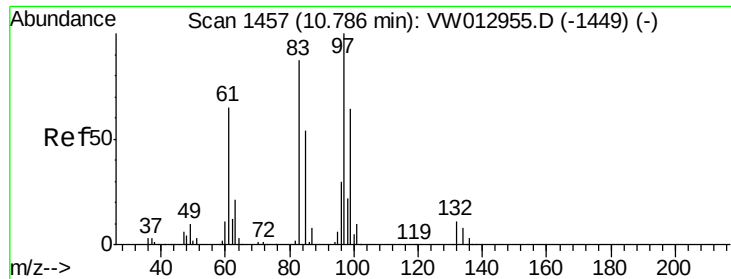
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 145.148 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 75 Resp: 555430
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 55.7 45.0 67.6





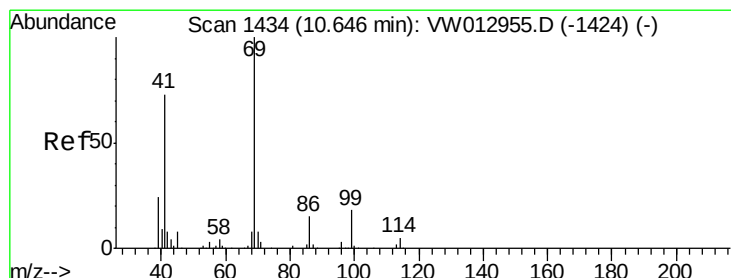
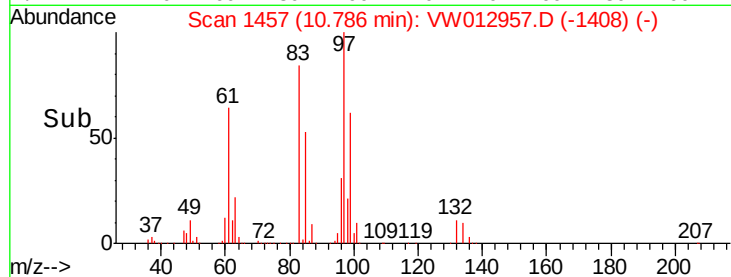
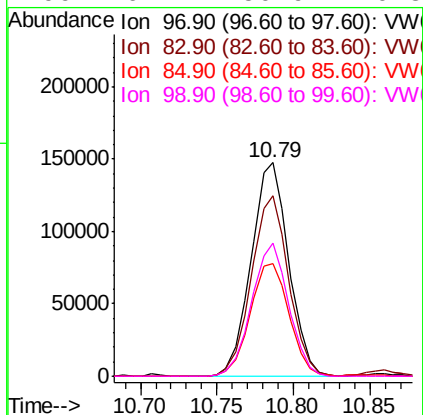
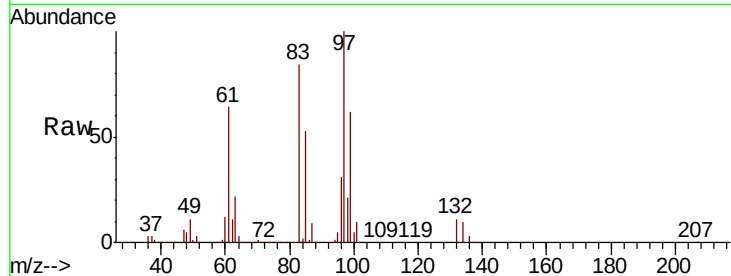
#55
 1,1,2-Trichloroethane
 Concen: 139.475 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	251894		
83	84.4	69.4	104.0	
85	53.0	43.3	64.9	
99	62.1	50.9	76.3	

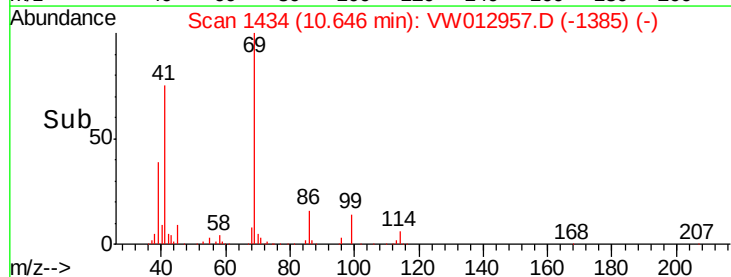
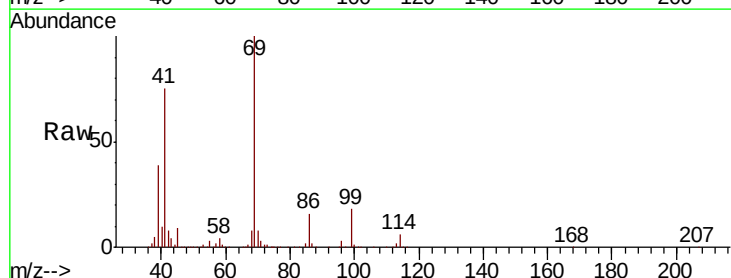
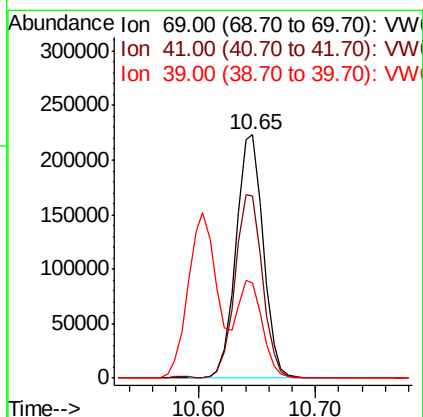
Manual Integrations
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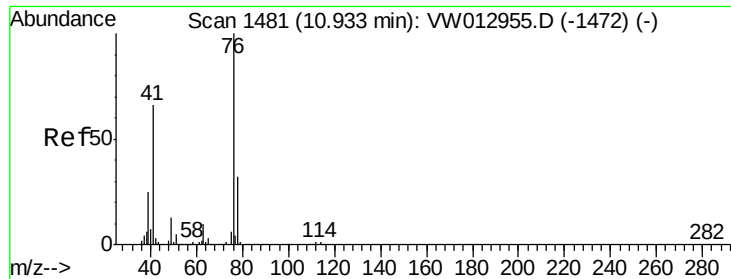
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#56
 Ethyl methacrylate
 Concen: 150.105 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	364896		
41	75.7	60.8	91.2	
39	35.0	29.4	44.0	





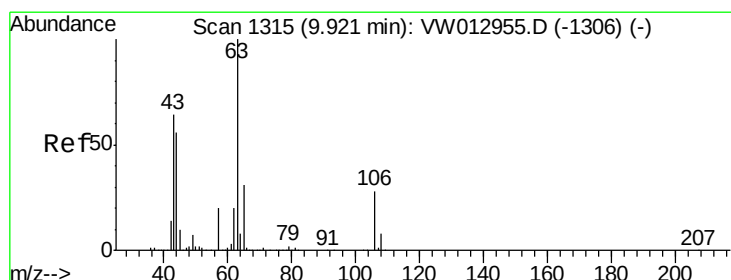
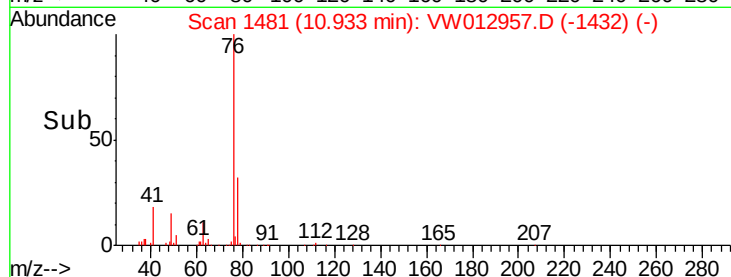
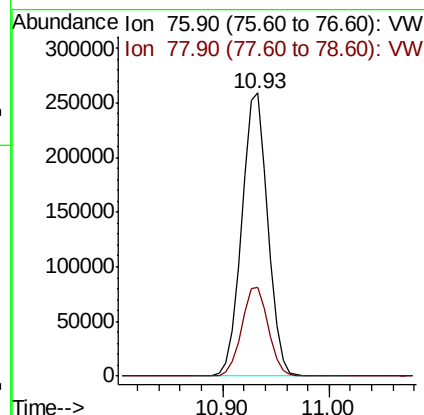
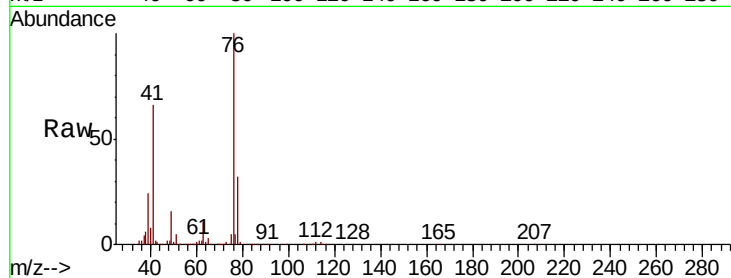
#57
 1,3-Dichloropropane
 Concen: 138.484 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 443663
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

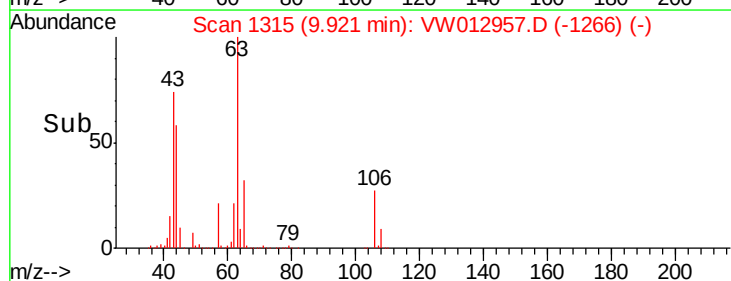
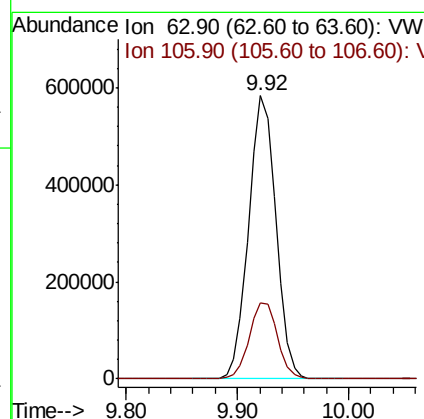
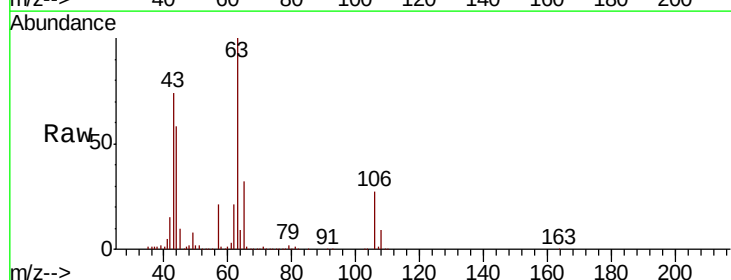
Manual Integrations
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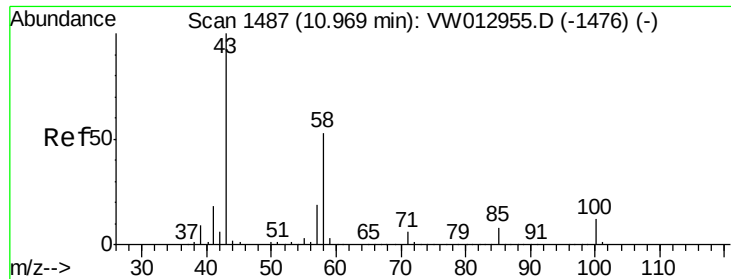
MMDadoda
 9/16/2019 12:43:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 764.984 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion: 63 Resp: 997564
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.2 33.2





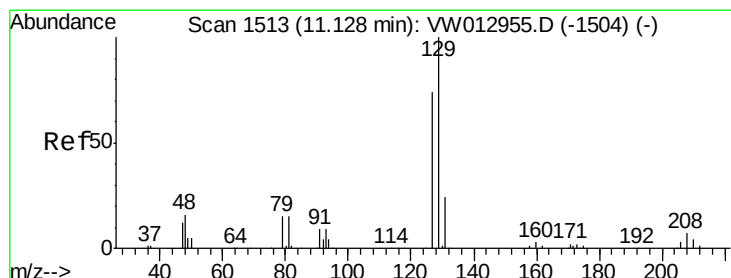
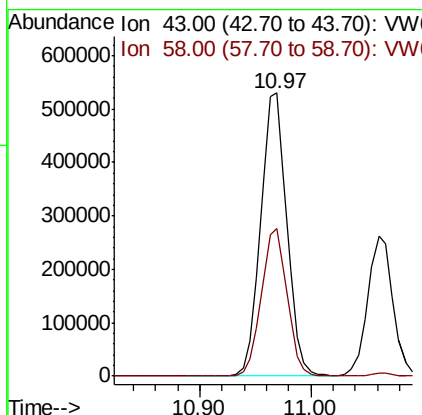
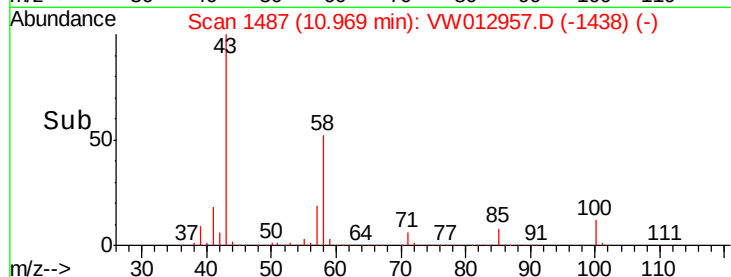
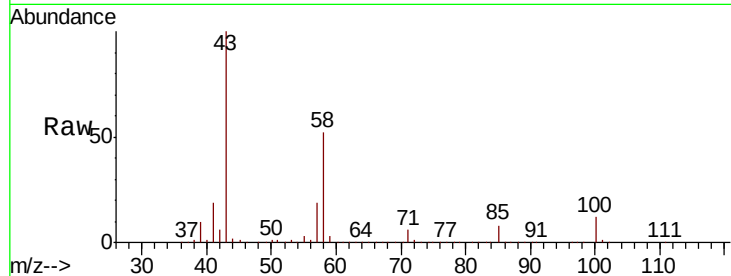
#59
2-Hexanone
Concen: 712.754 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 871184
Ion Ratio Lower Upper
43 100
58 51.6 25.8 77.3

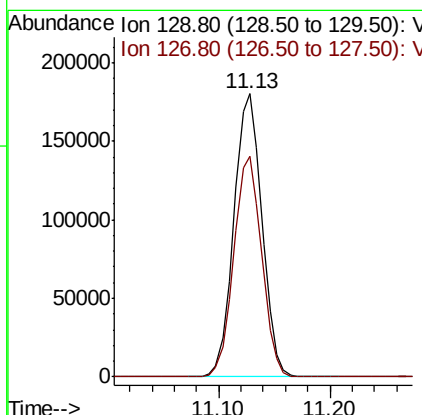
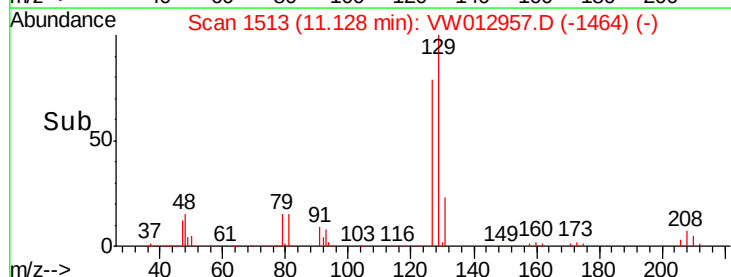
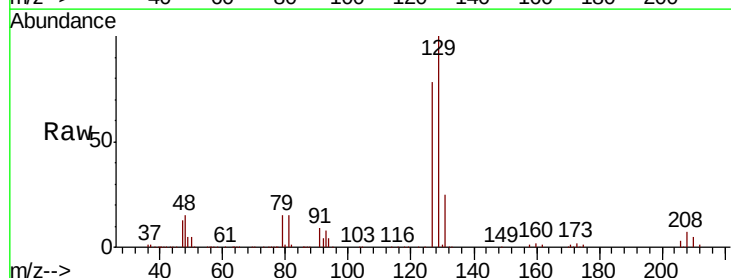
Manual Integrations
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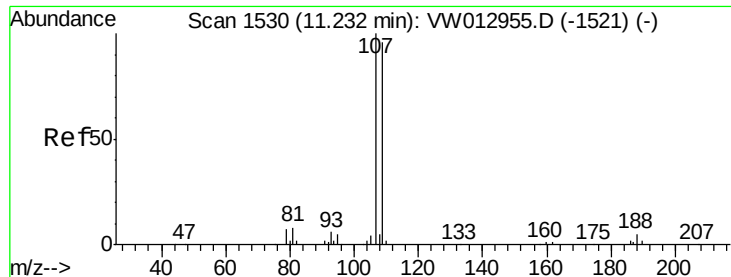
MMDadoda
9/16/2019 12:43:45 AM



#60
Dibromochloromethane
Concen: 143.499 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 129 Resp: 313323
Ion Ratio Lower Upper
129 100
127 77.5 37.4 112.2





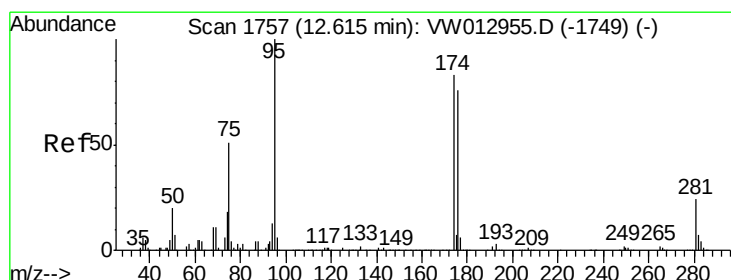
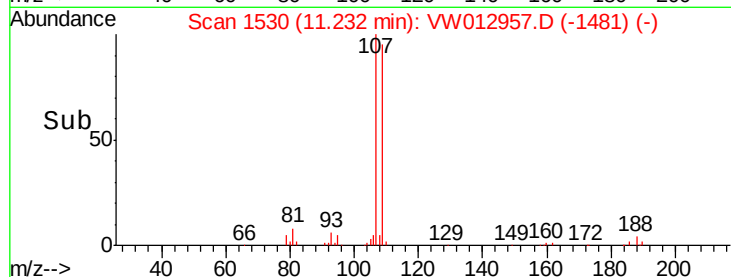
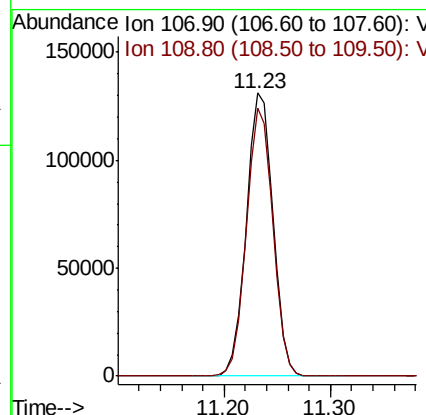
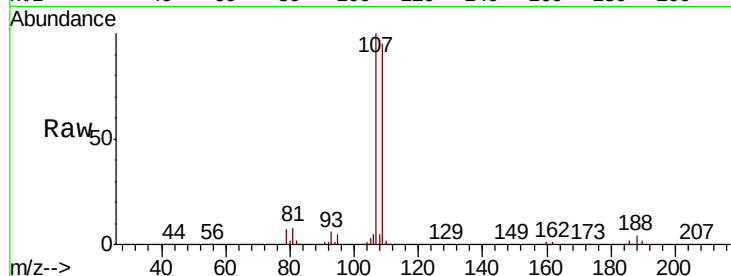
#61
 1,2-Dibromoethane
 Concen: 140.396 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	231304		
109	94.1	75.0	112.6	

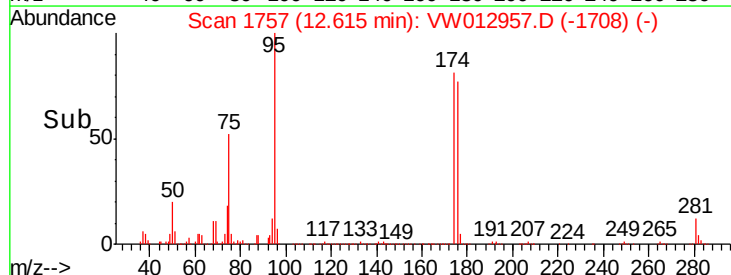
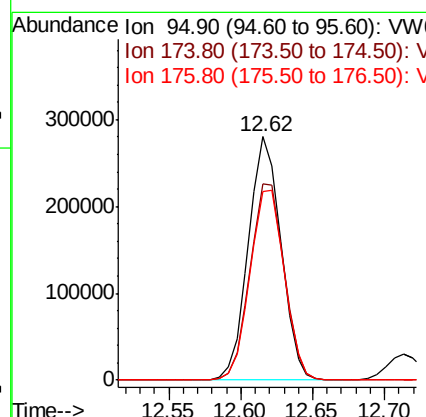
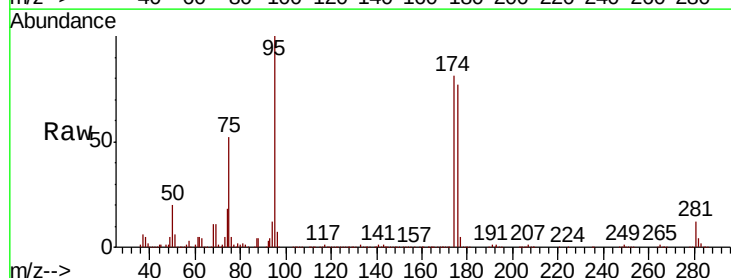
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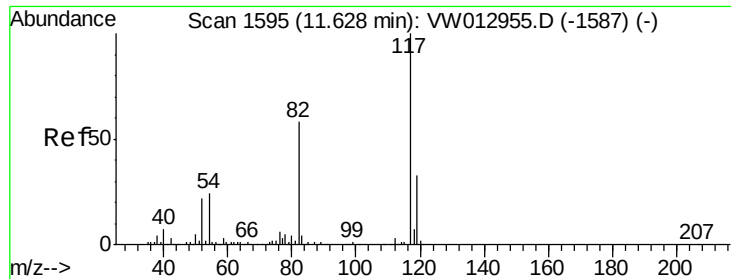
MMDadoda
 9/16/2019 12:43:45 AM



#62
 4-Bromofluorobenzene
 Concen: 137.883 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	439519		
174	84.5	0.0	170.4	
176	81.9	0.0	164.6	





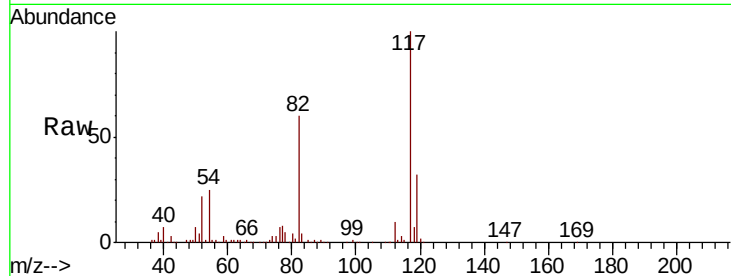
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	362605		
82	59.8	46.3	69.5	
119	31.9	26.2	39.4	

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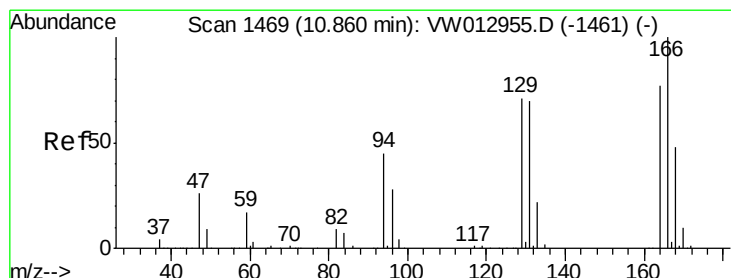
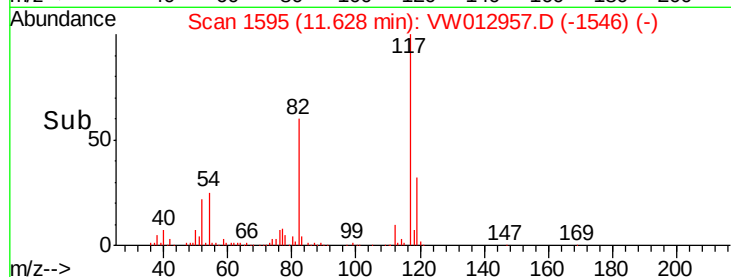
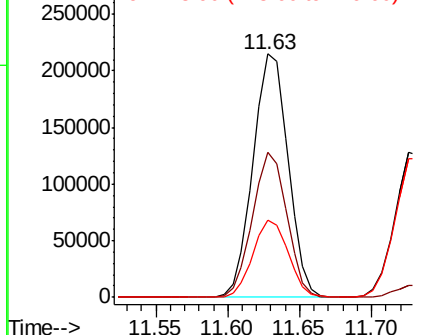


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 131.756 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	284217		
166	127.4	103.3	154.9	
129	90.8	73.8	110.8	
131	85.8	72.0	108.0	

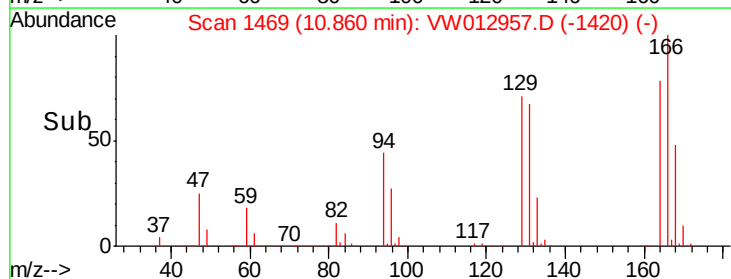
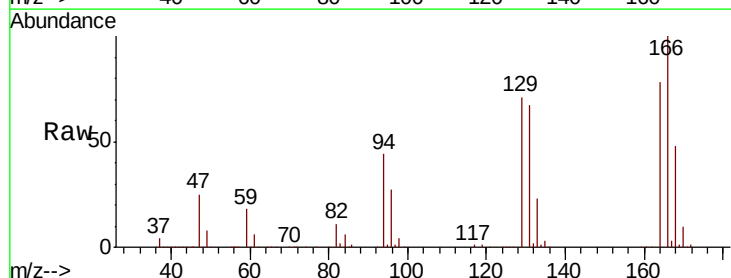
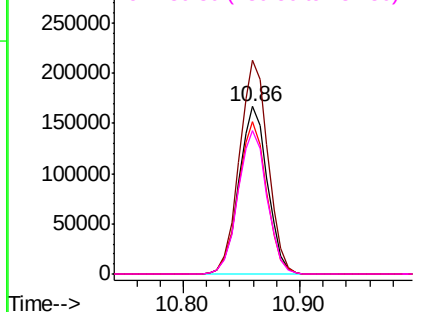
Abundance

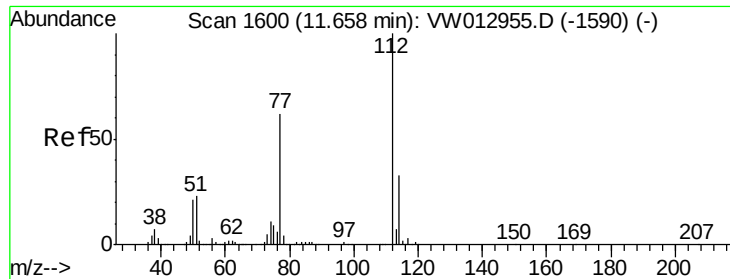
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





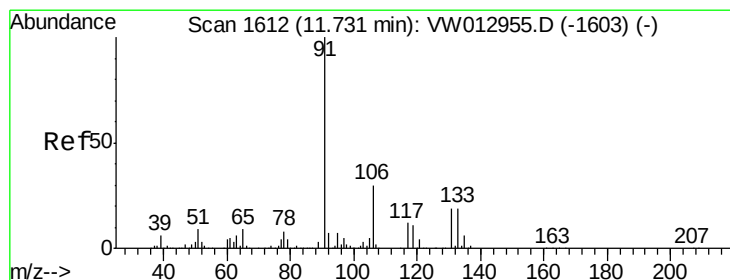
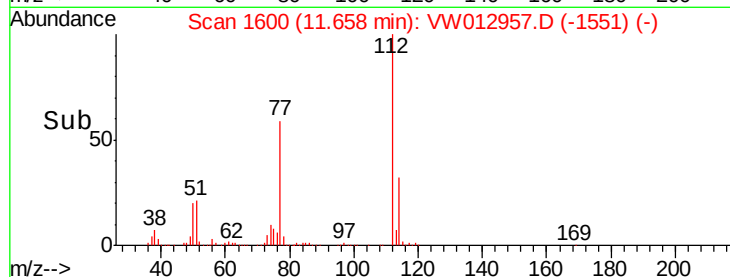
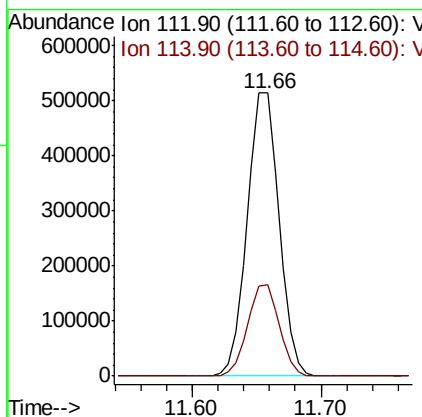
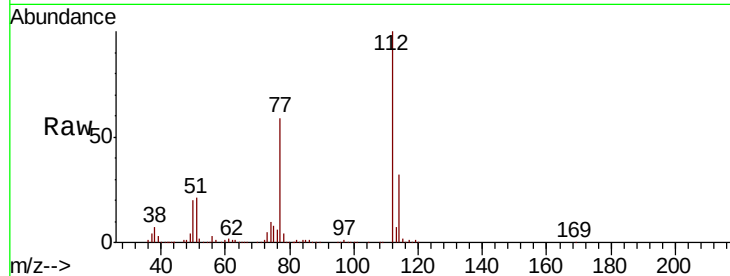
#65
Chlorobenzene
Concen: 135.699 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 876458
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6

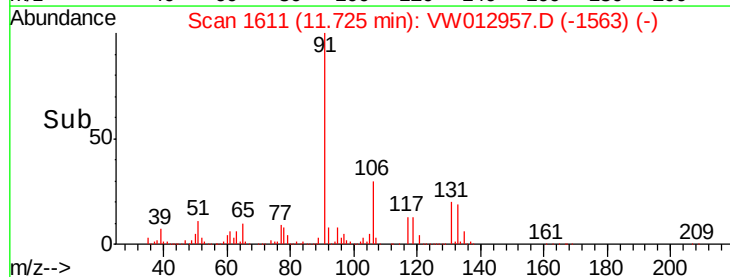
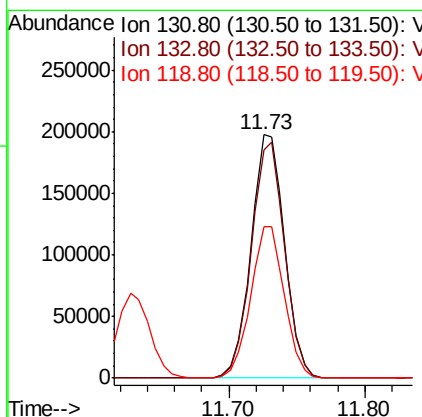
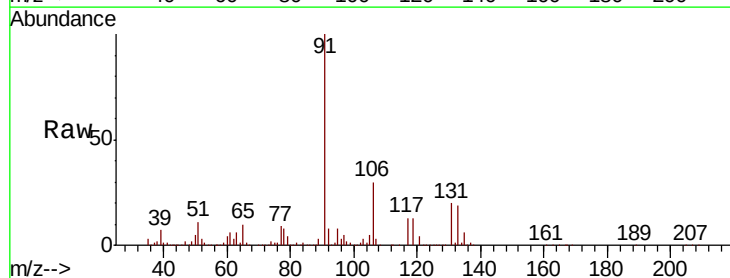
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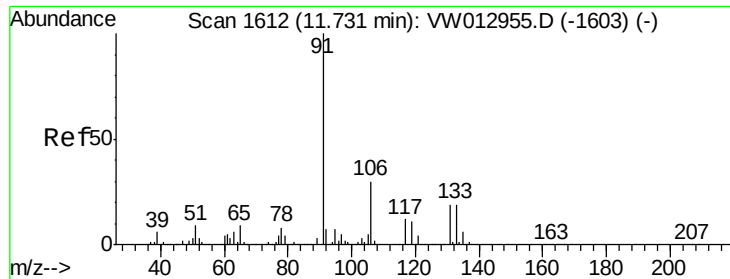
MMDadoda
9/16/2019 12:43:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 137.829 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:131 Resp: 341145
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.8
119 62.4 30.9 92.7





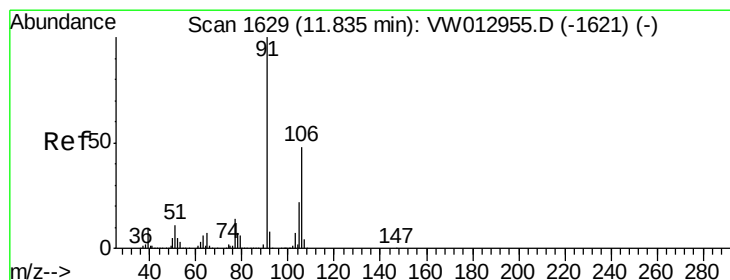
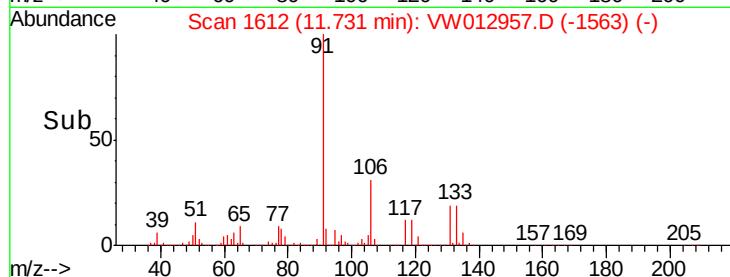
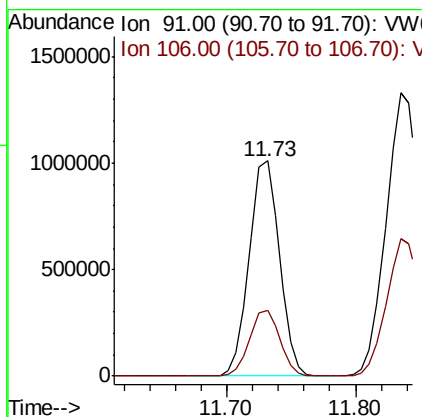
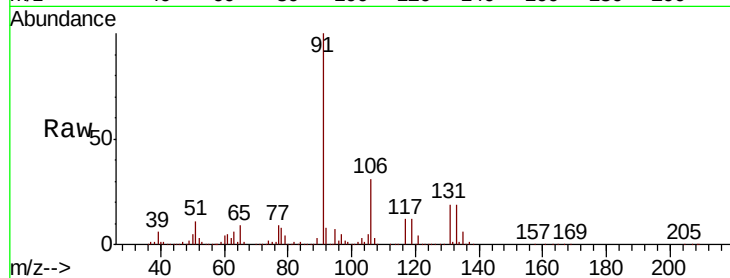
#67
Ethyl Benzene
Concen: 137.461 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1639723
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5

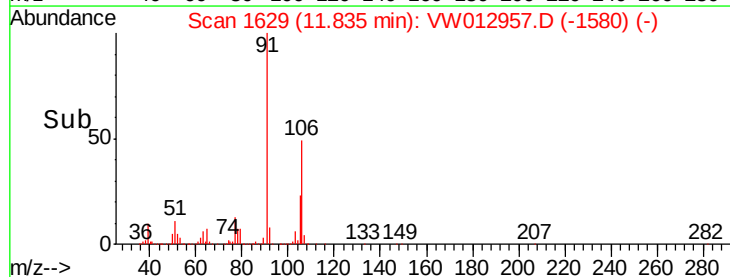
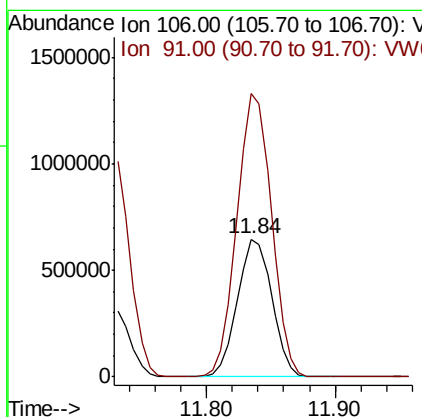
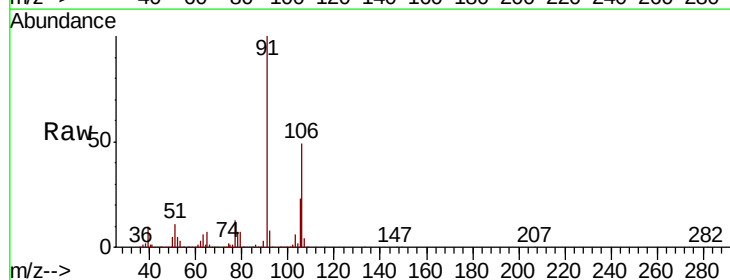
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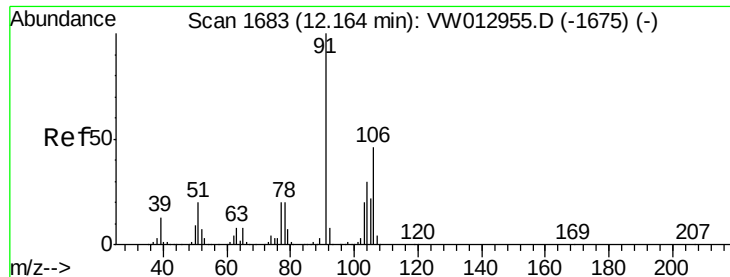
MMDadoda
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#68
m/p-Xylenes
Concen: 275.415 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion: 106 Resp: 1200179
Ion Ratio Lower Upper
106 100
91 206.3 165.8 248.8





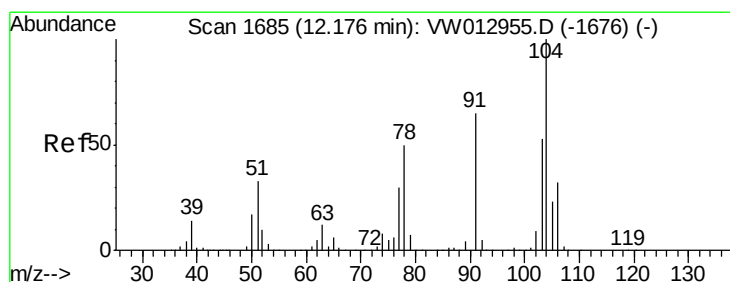
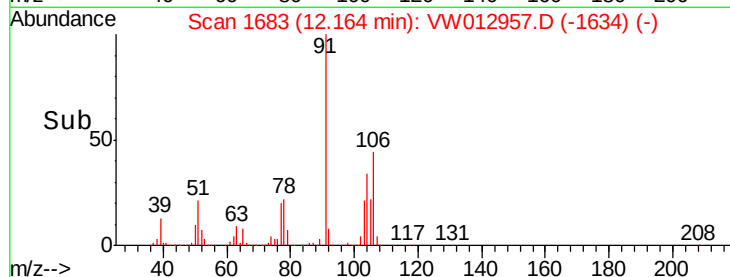
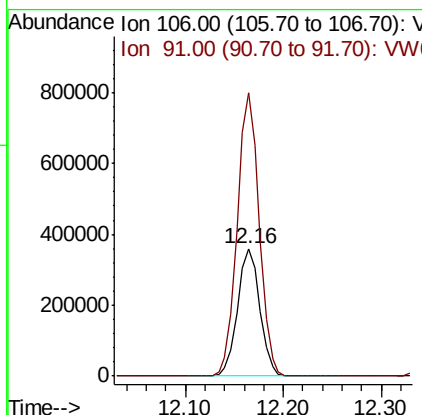
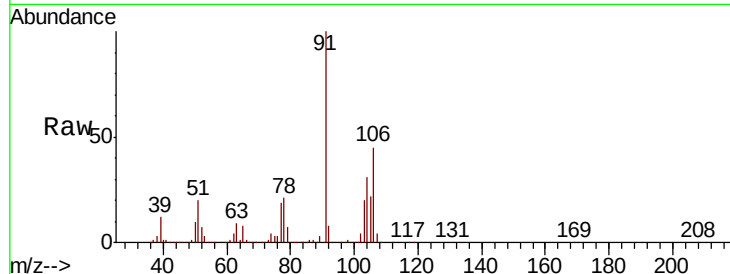
#69
o-Xylene
Concen: 138.850 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 567261
Ion Ratio Lower Upper
106 100
91 219.8 109.7 329.0

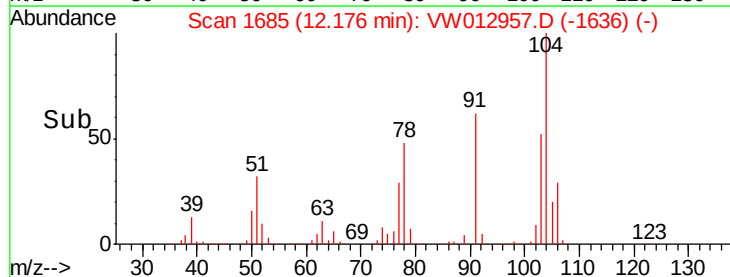
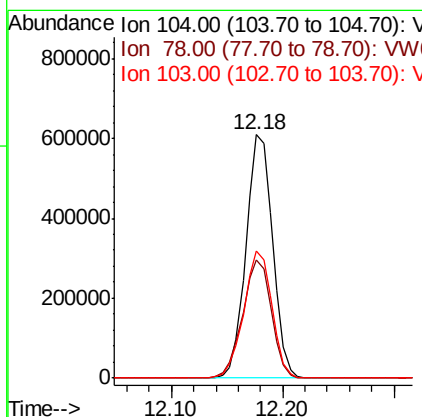
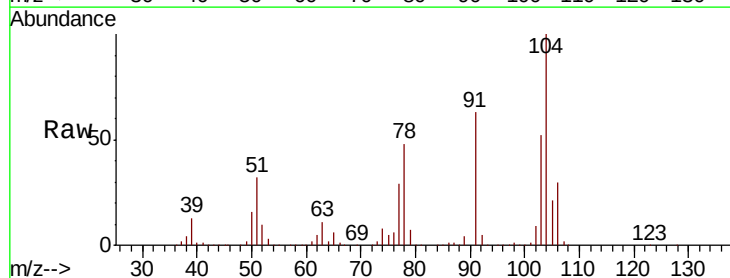
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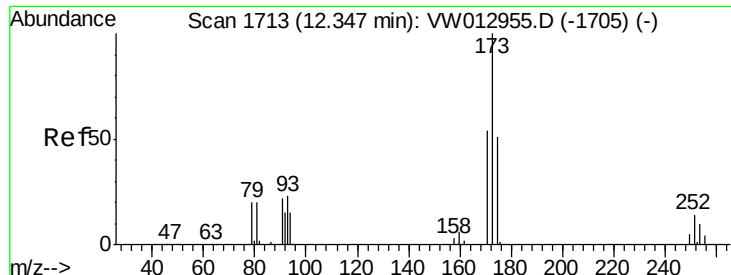
MMDadoda
9/16/2019 12:43:45 AM



#70
Styrene
Concen: 139.693 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion:104 Resp: 1015230
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 55.0 44.2 66.4





#71

Bromoform

Concen: 145.301 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

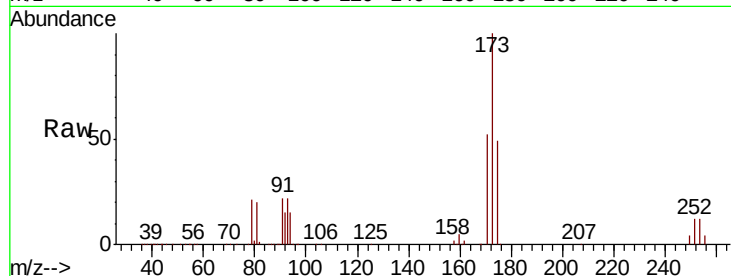
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	188907		
175	49.2	24.2	72.6	
254	0.1	0.1	0.1#	

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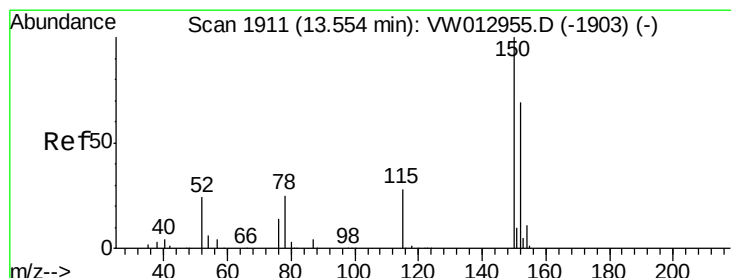
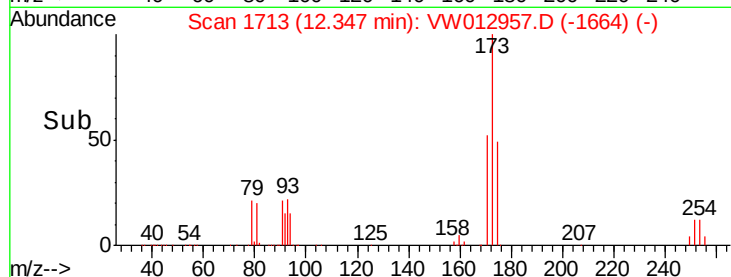
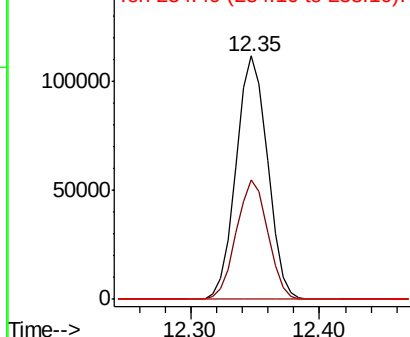


Abundance

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

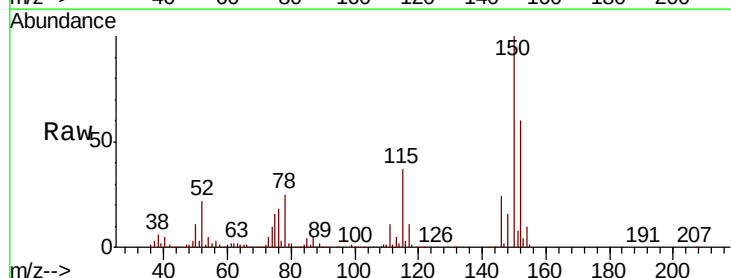
RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	174357		
115	58.3	28.8	86.4	
150	202.6	0.0	340.2	

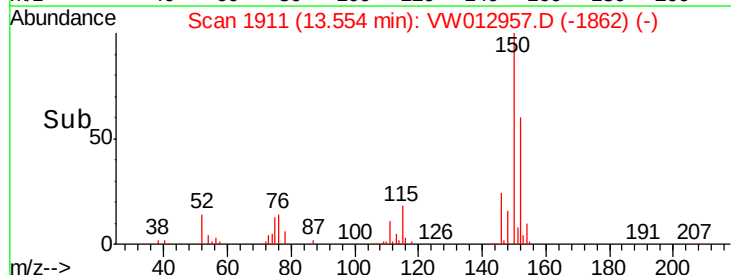
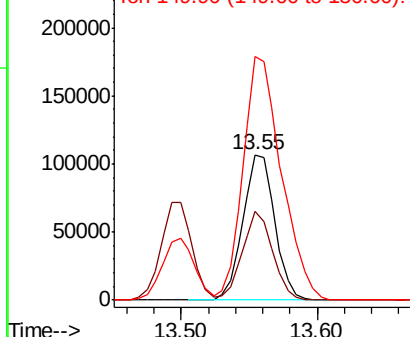


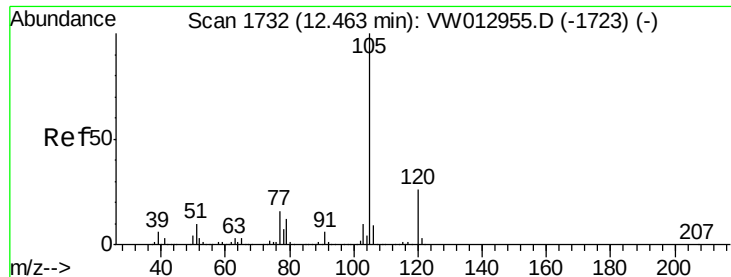
Abundance

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: 141.994 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 1640996

Ion Ratio Lower Upper

105 100

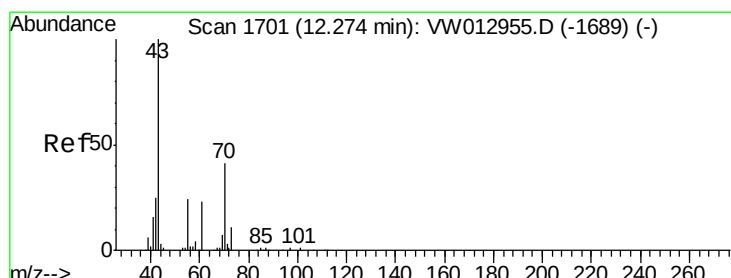
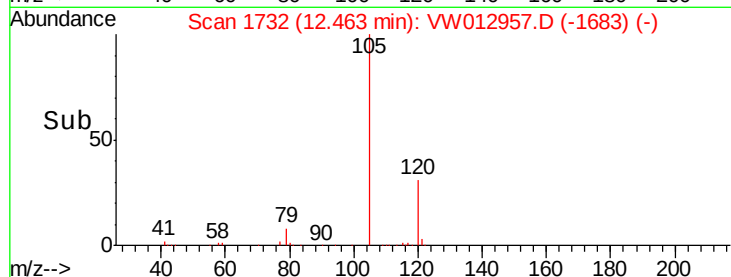
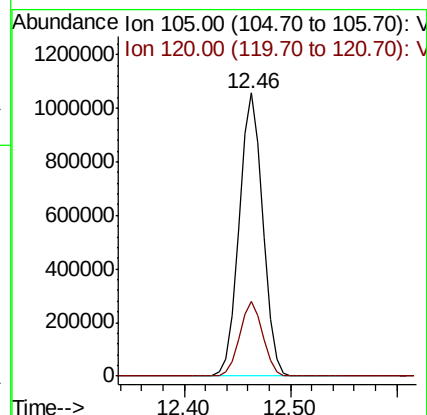
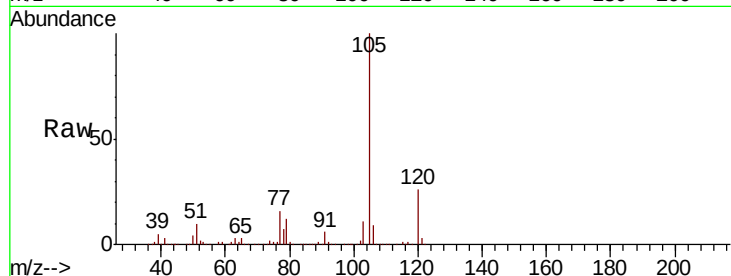
120 25.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 151.869 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Tgt Ion: 43 Resp: 451490

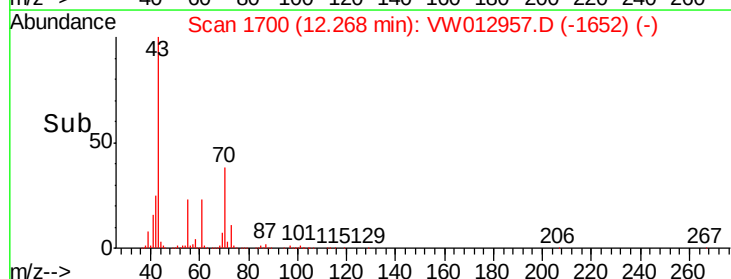
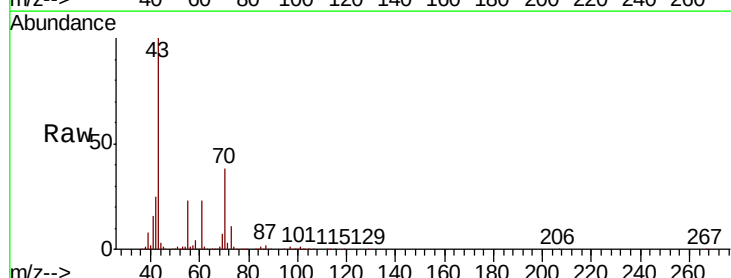
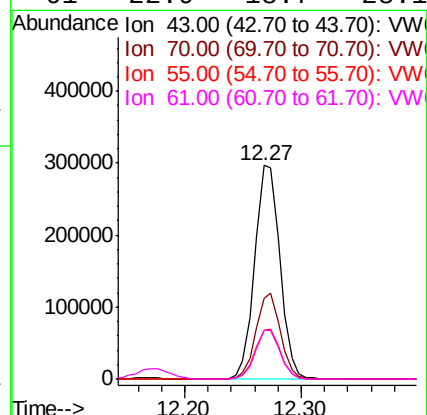
Ion Ratio Lower Upper

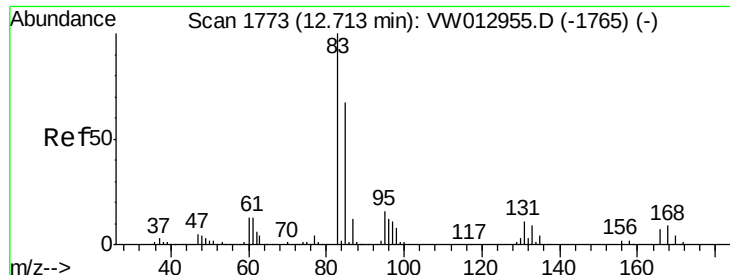
43 100

70 38.9 31.7 47.5

55 23.2 19.4 29.2

61 22.9 18.7 28.1





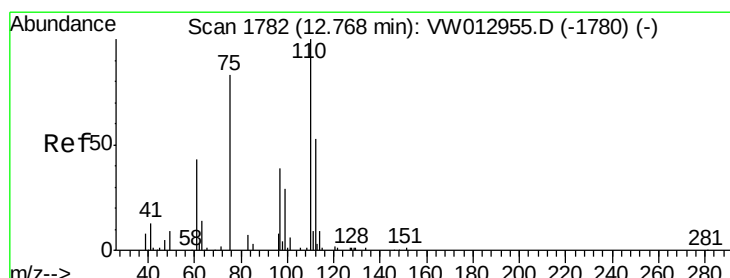
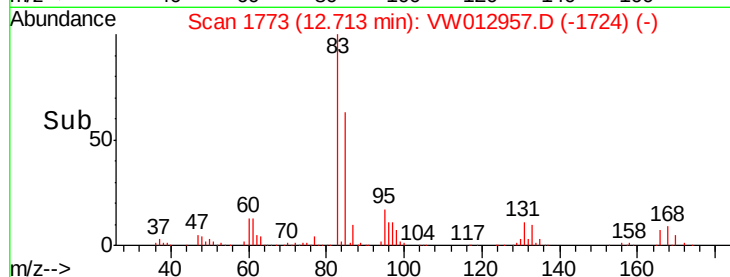
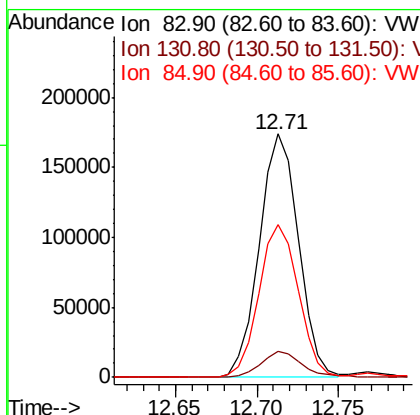
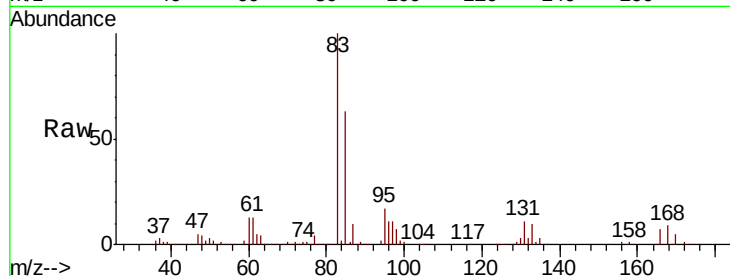
#75
 1,1,2,2-Tetrachloroethane
 Concen: 142.197 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	288634		
131	11.1	5.7	17.1	
85	63.6	31.4	94.3	

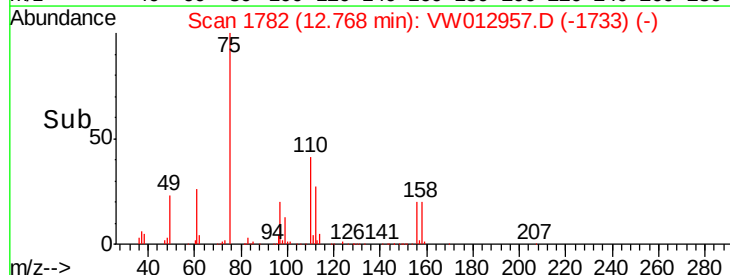
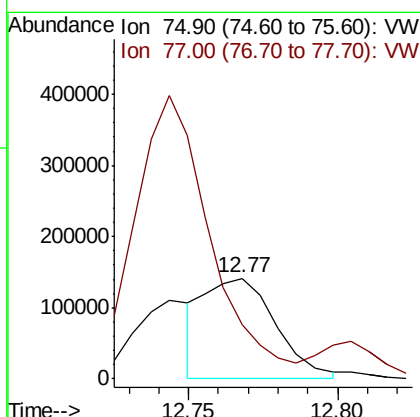
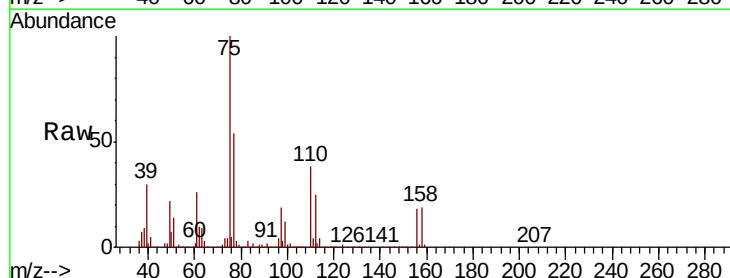
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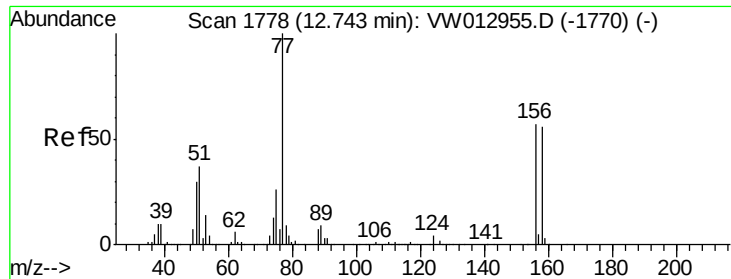
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 160.407 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	235982		
77	0.0	0.0	0.0	





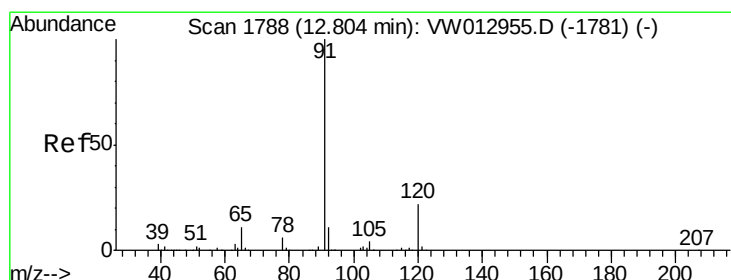
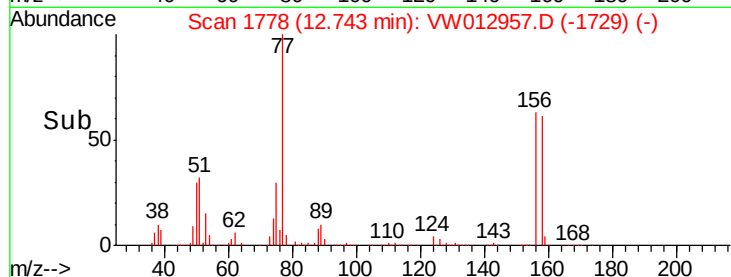
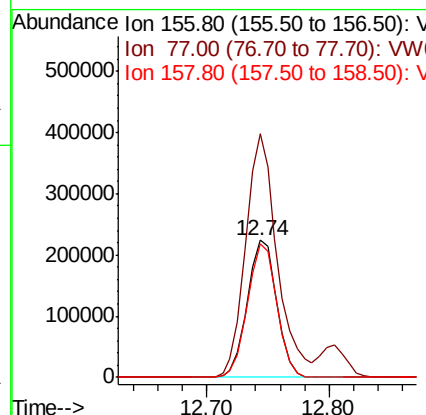
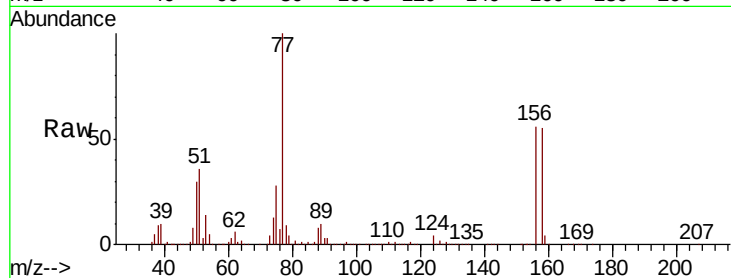
#77
Bromobenzene
Concen: 140.502 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	190.5	95.2	285.6
158	97.1	49.0	147.2

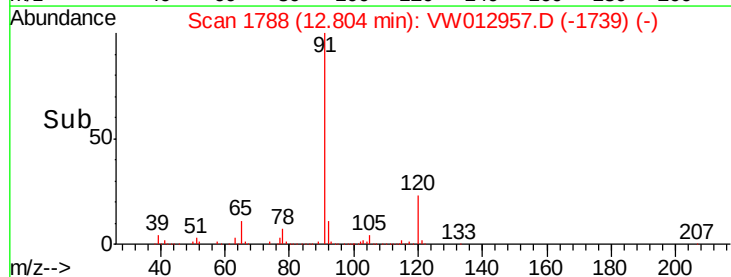
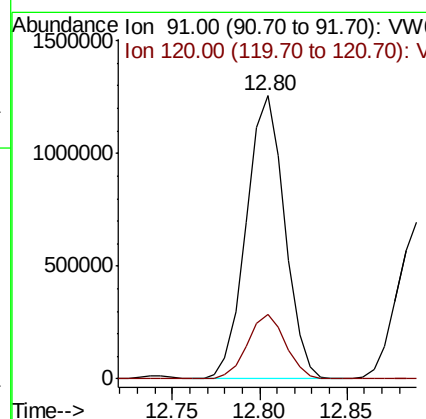
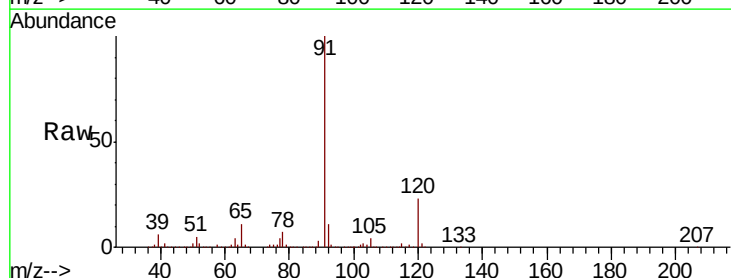
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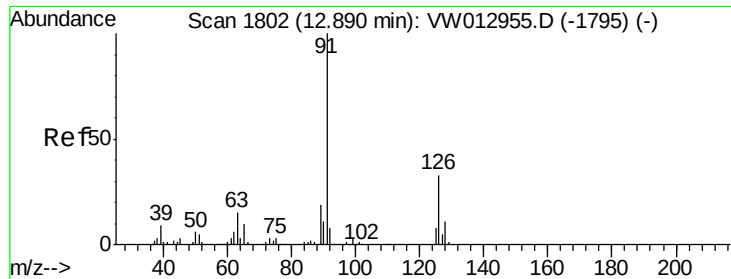
MMDadoda
9/16/2019 12:43:45 AM



#78
n-propylbenzene
Concen: 141.283 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 141.403 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1105039

Ion Ratio Lower Upper

91 100

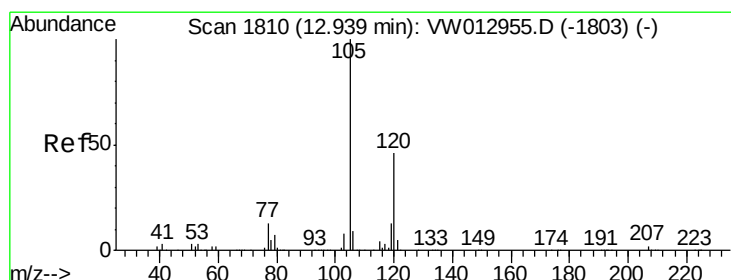
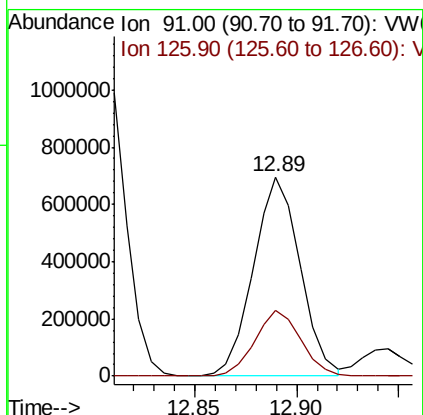
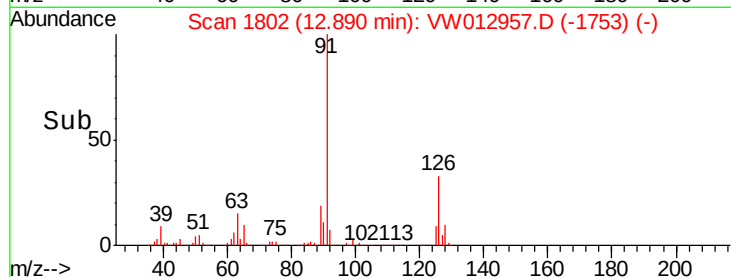
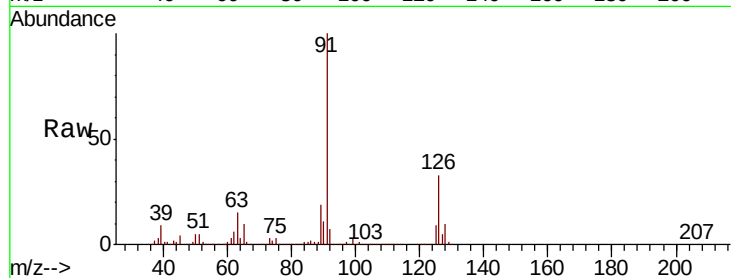
126 32.5 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 138.465 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012957.D

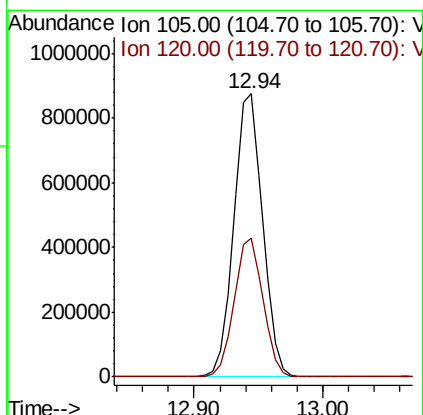
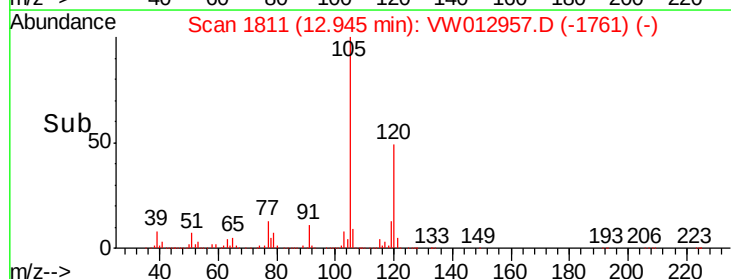
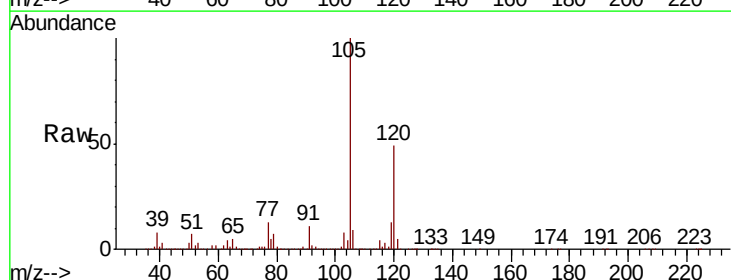
Acq: 13 Sep 2019 16:16

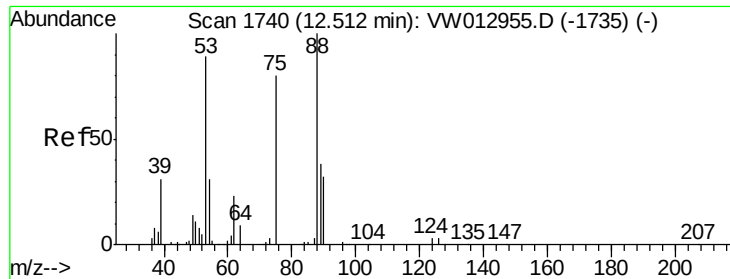
Tgt Ion: 105 Resp: 1353787

Ion Ratio Lower Upper

105 100

120 49.0 24.2 72.6





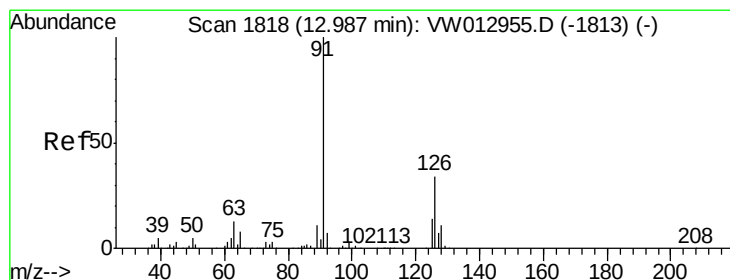
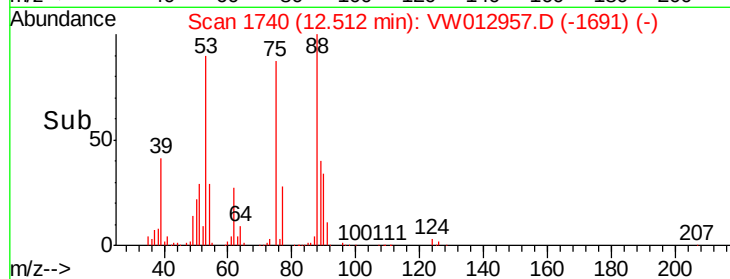
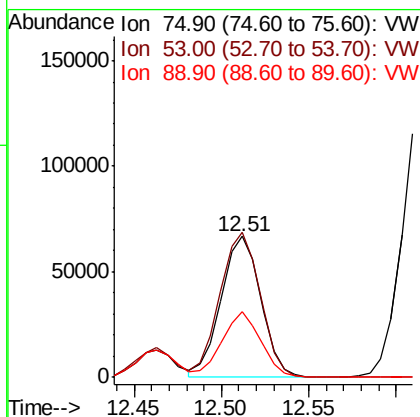
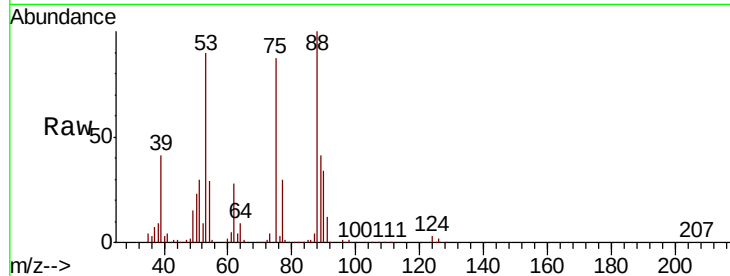
#81
trans-1,4-Dichloro-2-butene
Concen: 155.345 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.1	85.6	128.4
89	46.1	37.2	55.8

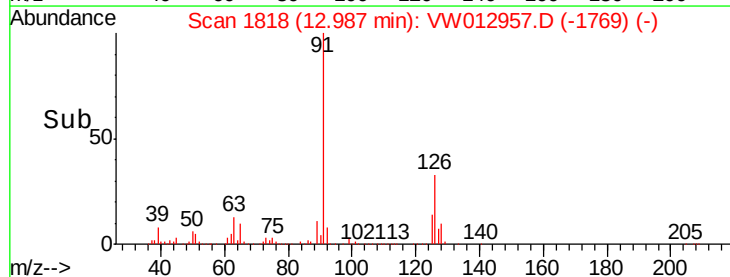
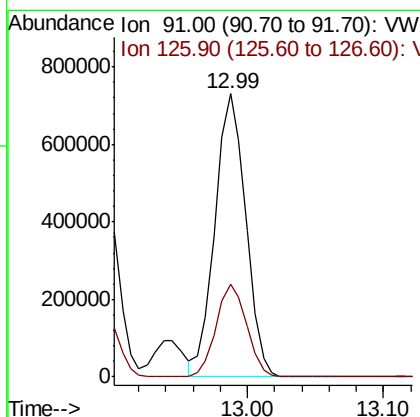
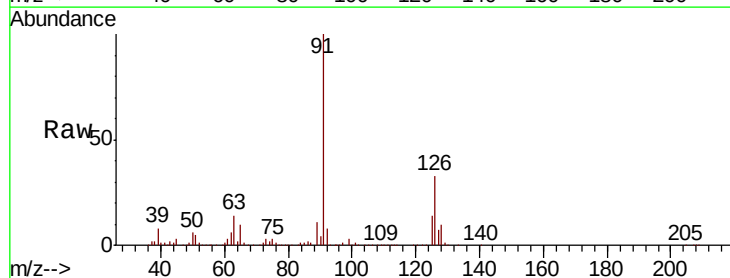
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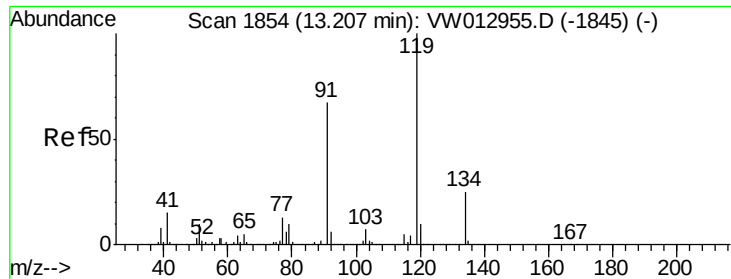
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#82
4-Chlorotoluene
Concen: 138.903 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3





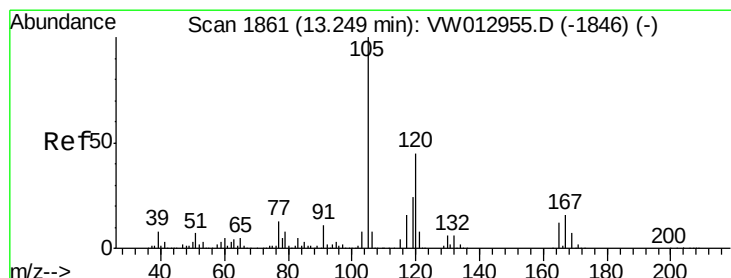
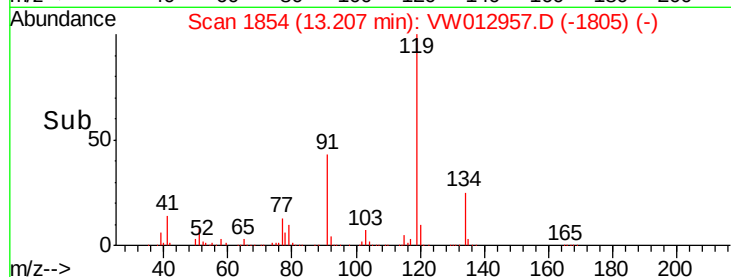
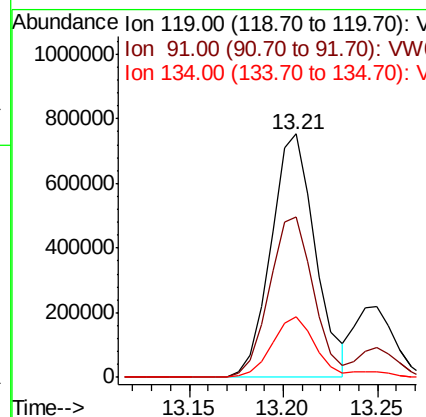
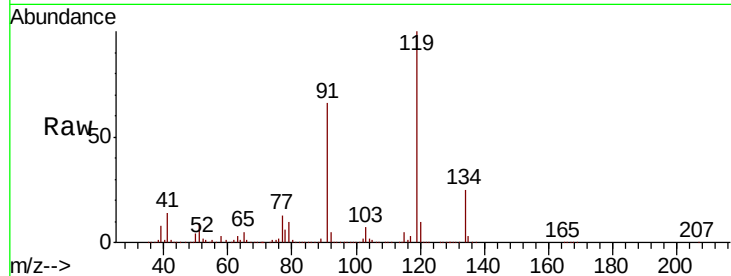
#83
 tert-Butylbenzene
 Concen: 139.855 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1223075
 Ion Ratio Lower Upper
 119 100
 91 65.6 32.6 98.0
 134 26.2 12.4 37.4

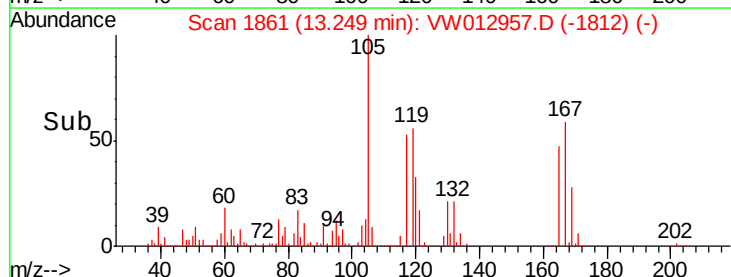
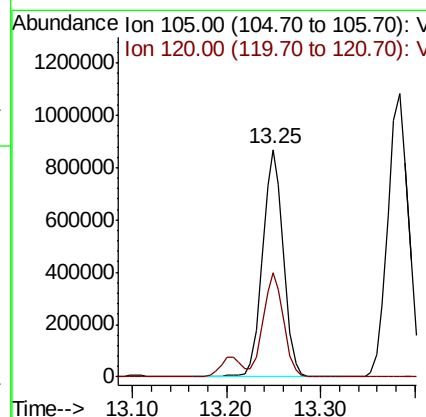
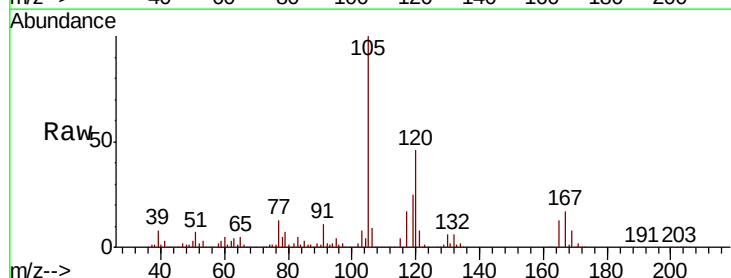
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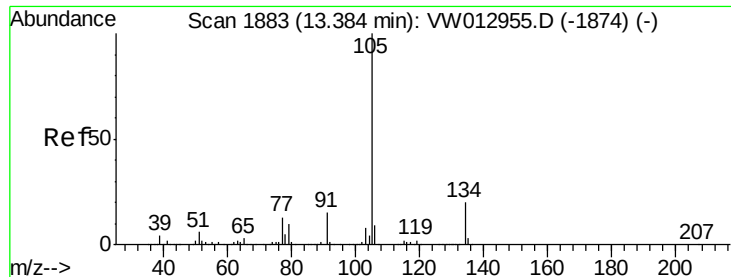
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#84
 1,2,4-Trimethylbenzene
 Concen: 139.115 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion:105 Resp: 1344040
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 139.099 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 1657350

Ion Ratio Lower Upper

105 100

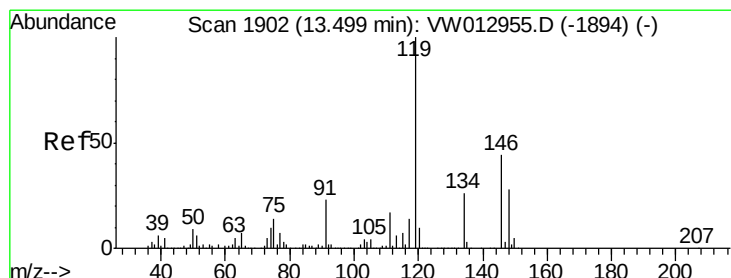
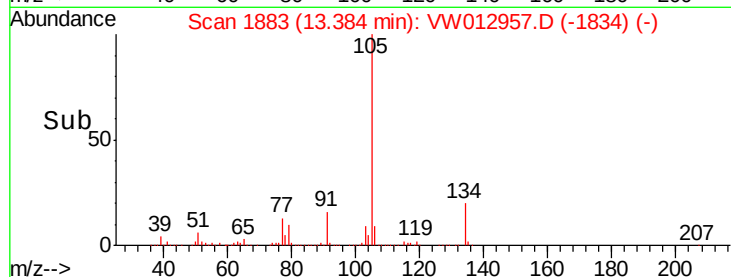
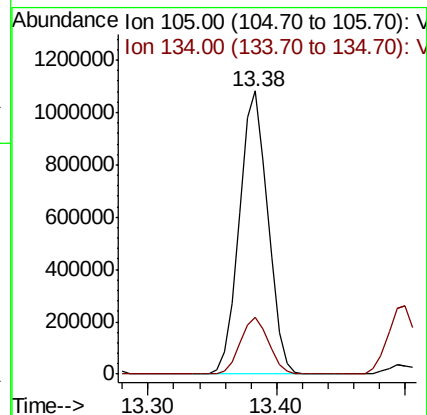
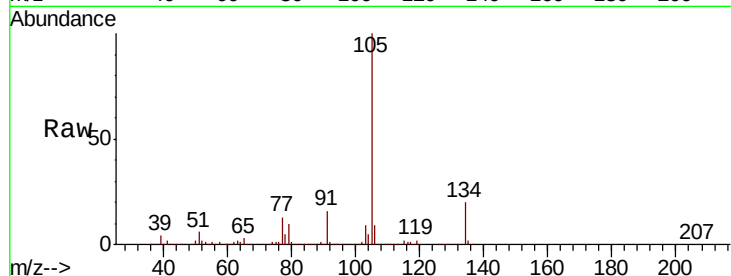
134 20.1 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 140.199 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

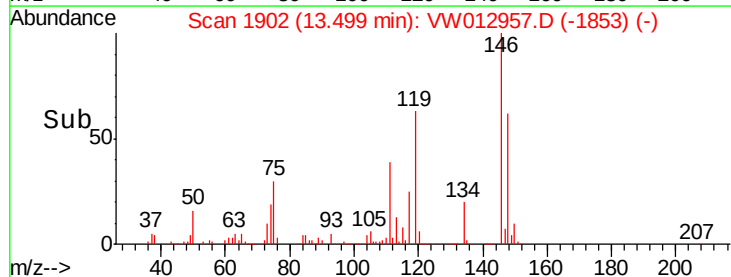
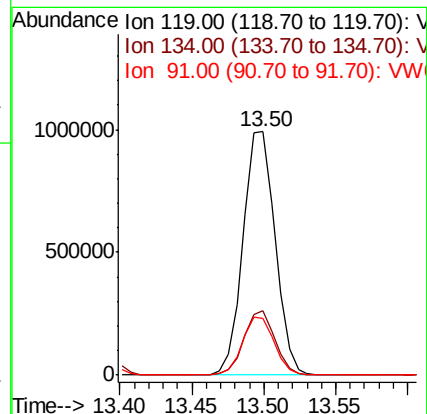
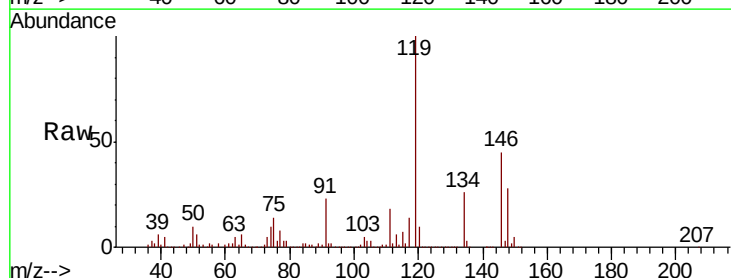
Tgt Ion:119 Resp: 1533678

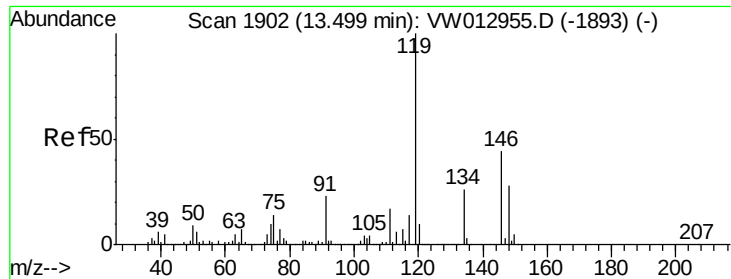
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 23.6 11.8 35.4





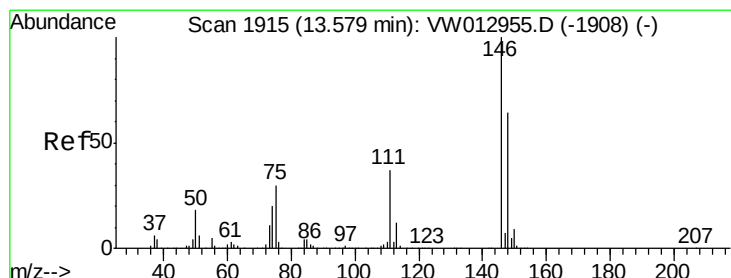
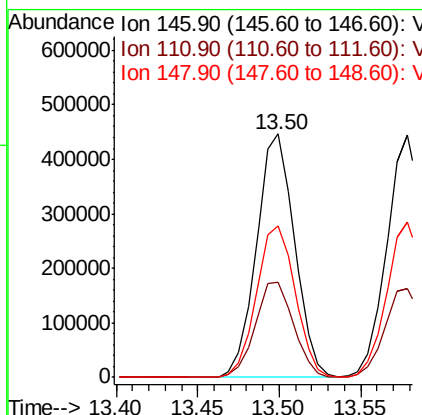
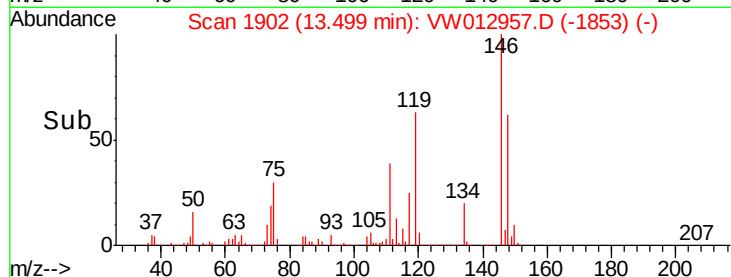
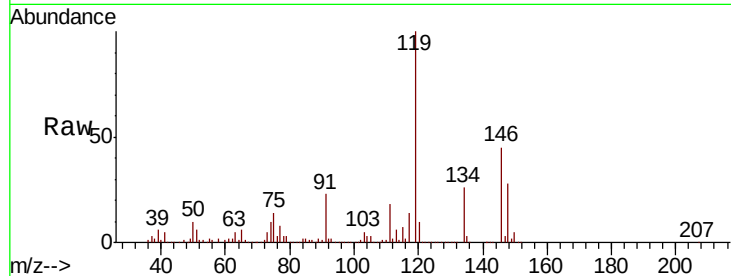
#87
 1,3-Dichlorobenzene
 Concen: 136.979 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	721945		
111	39.5	19.8	59.4	
148	63.5	31.9	95.7	

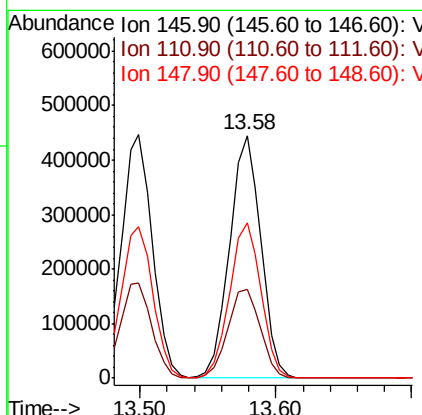
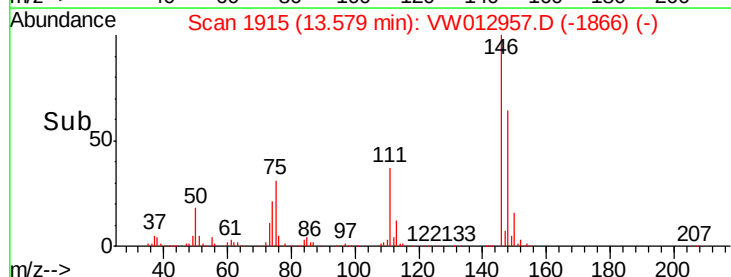
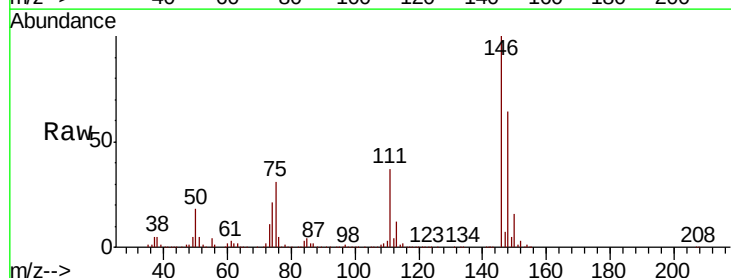
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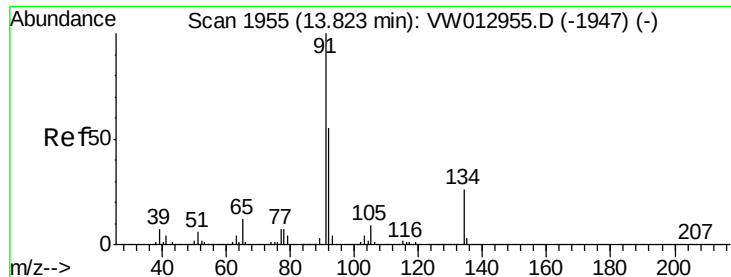
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#88
 1,4-Dichlorobenzene
 Concen: 137.250 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	710858		
111	38.2	19.4	58.2	
148	64.2	31.9	95.5	





#89

n-Butylbenzene

Concen: 141.723 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012957.D

Acq: 13 Sep 2019 16:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1462108

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

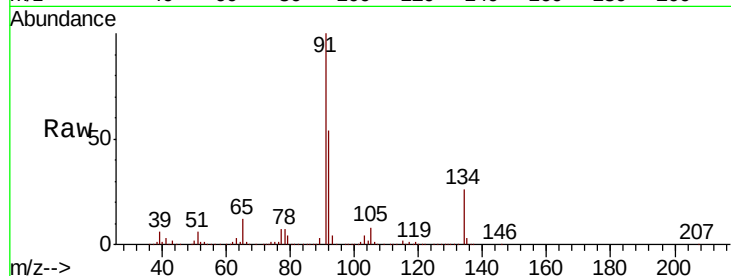
134 26.2 13.1 39.1

Manual Integrations

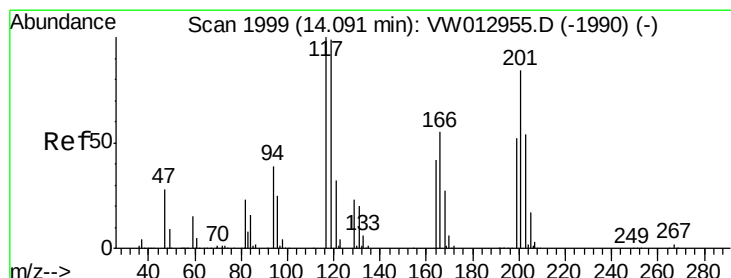
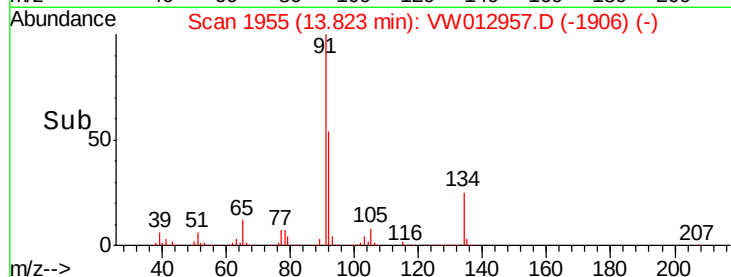
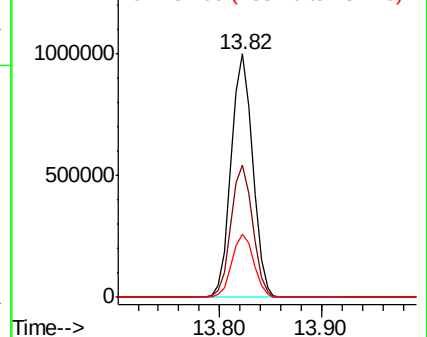
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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 143.934 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012957.D

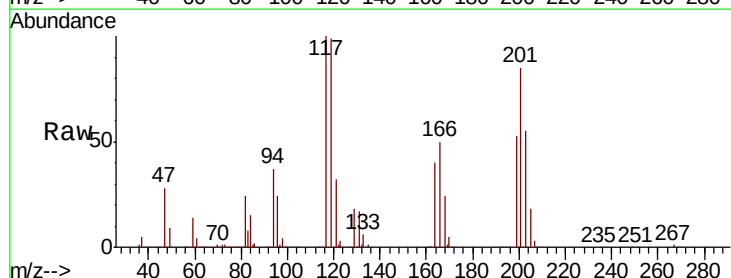
Acq: 13 Sep 2019 16:16

Tgt Ion: 117 Resp: 282164

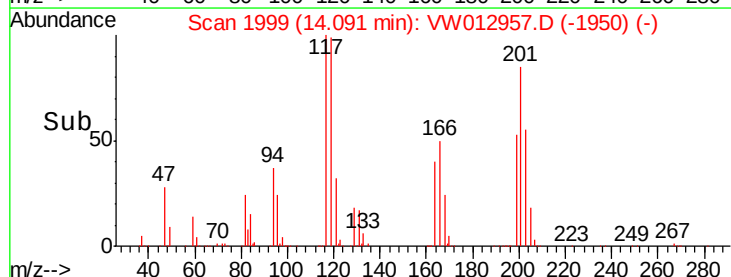
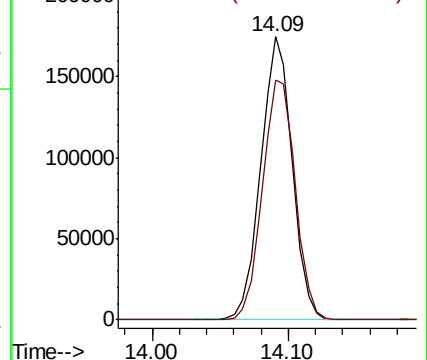
Ion Ratio Lower Upper

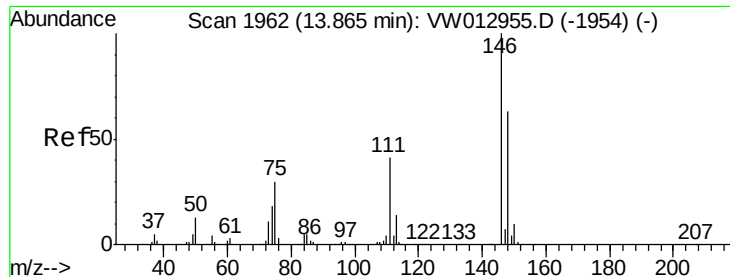
117 100

201 88.6 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





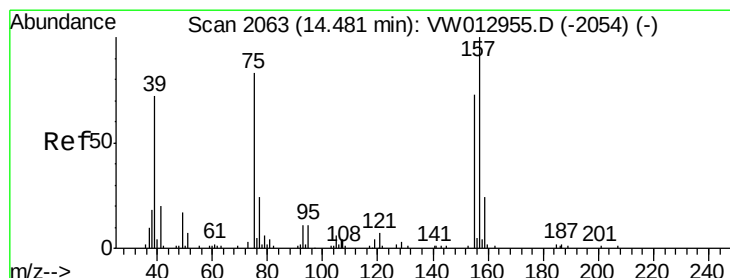
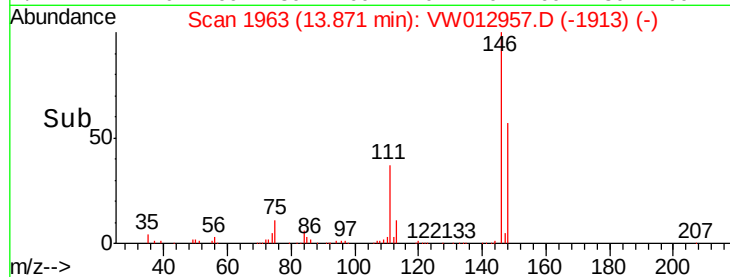
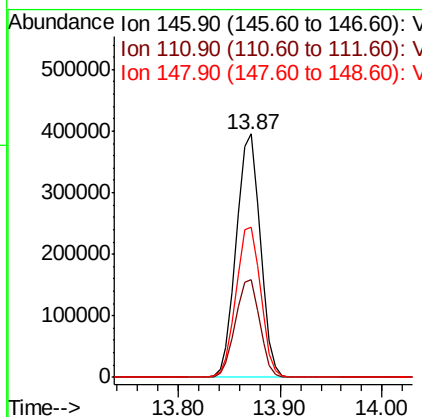
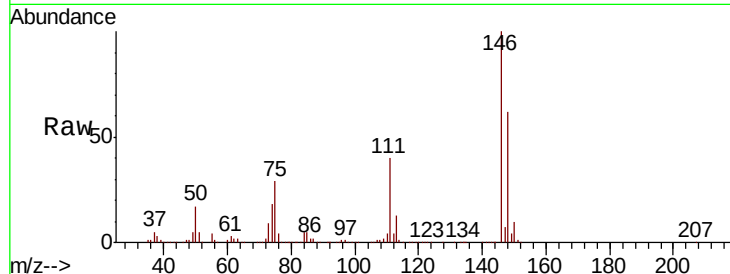
#91
 1,2-Dichlorobenzene
 Concen: 137.941 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	639338		
111	40.9	20.8	62.5	
148	63.6	32.7	98.1	

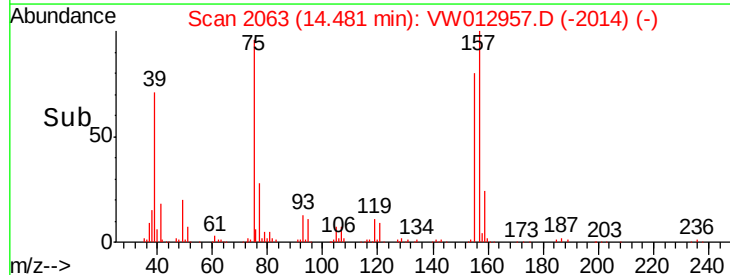
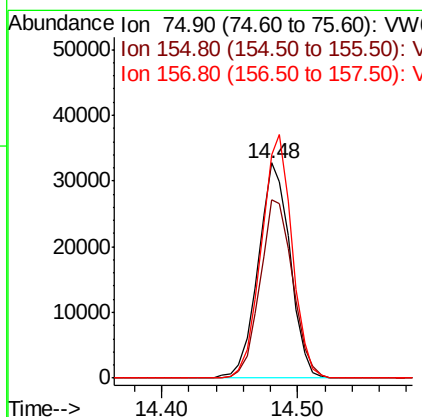
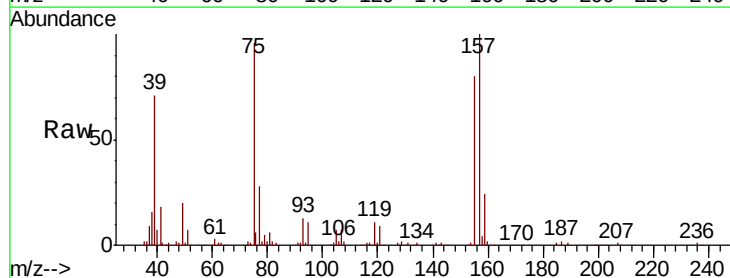
Manual Integrations
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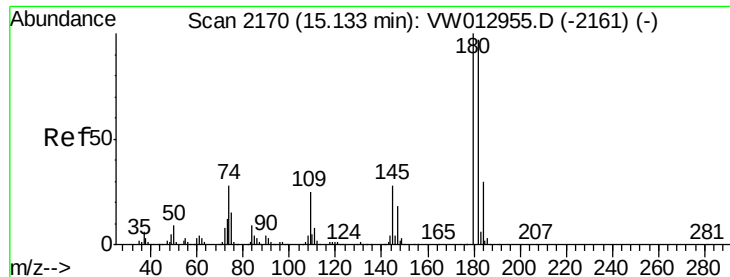
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.089 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53907		
155	84.7	43.3	129.9	
157	108.8	54.7	164.1	





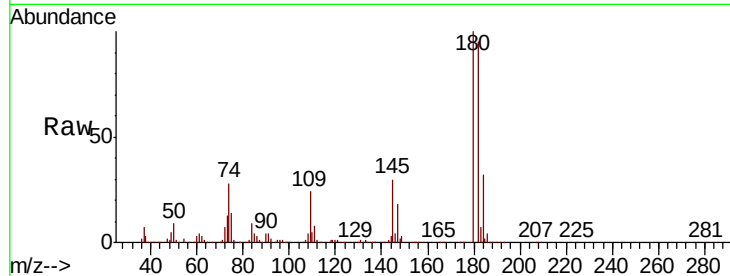
#93
 1,2,4-Trichlorobenzene
 Concen: 147.967 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	489096		
182	94.1	47.4	142.2	
145	29.1	14.9	44.7	

Manual Integrations
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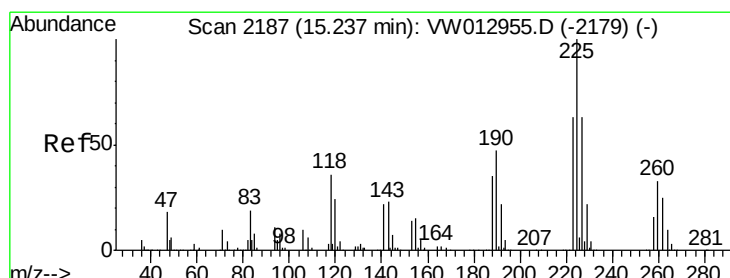
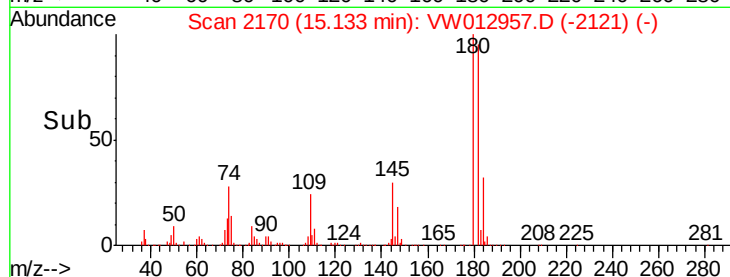
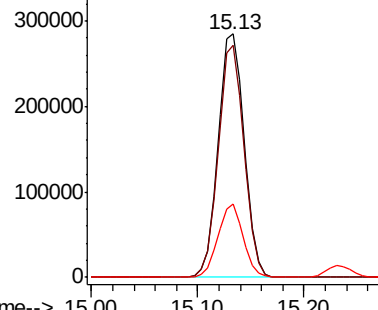


Abundance

Ion 179.80 (179.50 to 180.50): V

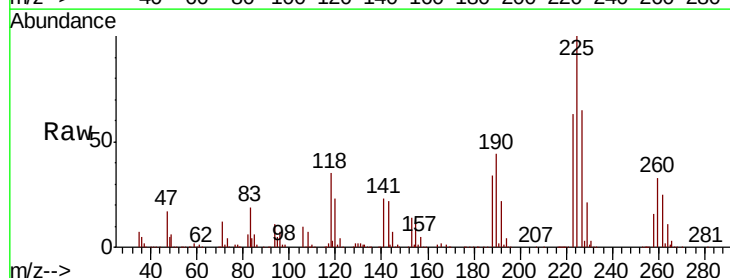
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 134.276 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012957.D
 Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314204		
223	63.8	31.8	95.3	
227	64.4	31.3	93.8	

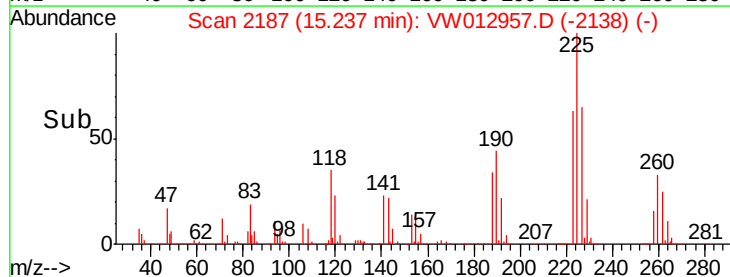
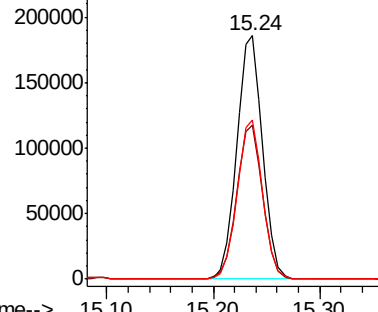


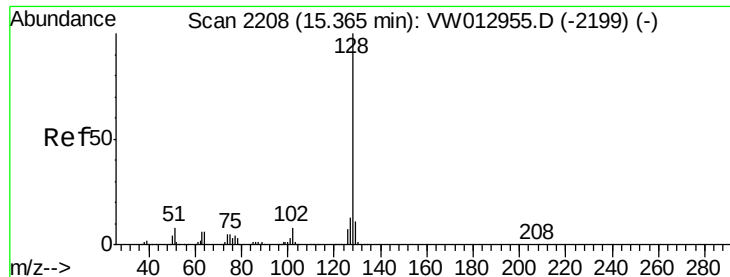
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





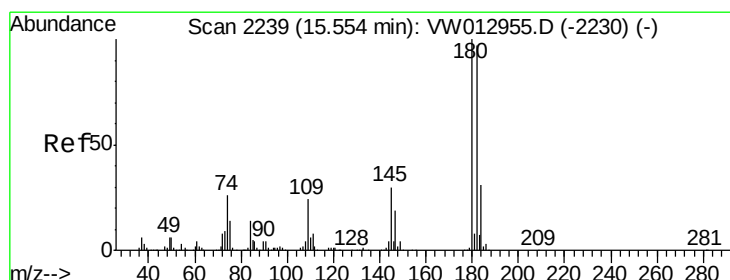
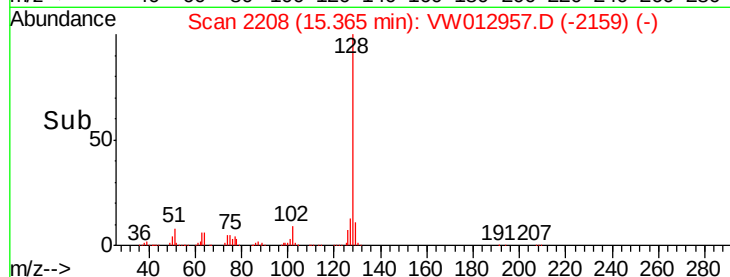
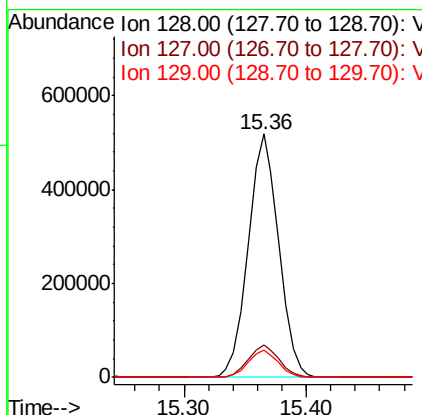
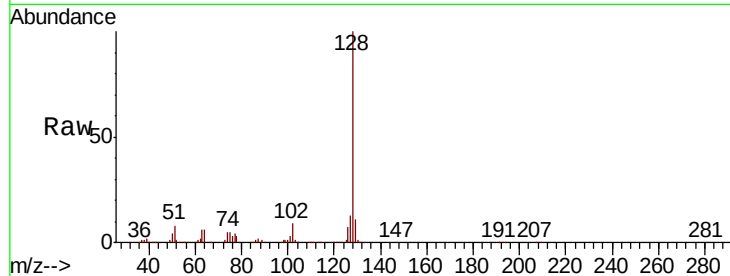
#95
Naphthalene
Concen: 162.454 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	897228		
127	13.5	11.0	16.6	
129	11.0	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:43:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 147.177 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012957.D
Acq: 13 Sep 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	430042		
182	97.1	47.6	142.8	
145	30.9	15.4	46.2	

