

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011076.D
 Acq On : 01 Jul 2019 11:20
 Operator : SY/VA
 Sample : VW0701SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 3:52:35 PM

Quant Time: Jul 02 08:46:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148409	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.88	113	116450	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.32	98	485373	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	171787	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	40866	23.311	ug/l	98
3) Chloromethane	2.21	50	51685	21.992	ug/l	97
4) Vinyl Chloride	2.36	62	66782	21.825	ug/l	96
5) Bromomethane	2.72	94	28712	18.851	ug/l	97
6) Chloroethane	2.89	64	32906	20.397	ug/l	95
7) Trichlorofluoromethane	3.23	101	21551	23.966	ug/l	95
8) Diethyl Ether	3.67	74	28328	19.892	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	52913	20.923	ug/l	99
10) Methyl Iodide	4.26	142	72989	20.628	ug/l	99
11) Tert butyl alcohol	5.17	59	19741	89.409	ug/l	100
12) 1,1-Dichloroethene	4.03	96	54664	20.766	ug/l	96
13) Acrolein	3.88	56	15235	88.485	ug/l	100
14) Allyl chloride	4.65	41	99598	23.508	ug/l	99
15) Acrylonitrile	5.35	53	69566	99.198	ug/l	99
16) Acetone	4.12	43	70446	94.932	ug/l	99
17) Carbon Disulfide	4.37	76	157198	21.049	ug/l	99
18) Methyl Acetate	4.66	43	41284	21.477	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	76321	20.484	ug/l	95
20) Methylene Chloride	4.90	84	60361	20.020	ug/l	95
21) trans-1,2-Dichloroethene	5.40	96	58188	21.451	ug/l	94
22) Diisopropyl ether	6.31	45	213191	20.910	ug/l	97
23) Vinyl Acetate	6.24	43	631509	100.525	ug/l	100
24) 1,1-Dichloroethane	6.21	63	114224	21.224	ug/l	99
25) 2-Butanone	7.17	43	106444	94.368	ug/l	99
26) 2,2-Dichloropropane	7.16	77	57449	20.560	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	61327	20.998	ug/l	98
28) Bromochloromethane	7.51	49	46959	18.743	ug/l	100
29) Tetrahydrofuran	7.52	42	68407	97.422	ug/l	100
30) Chloroform	7.67	83	103966	21.264	ug/l	100
31) Cyclohexane	7.95	56	122905	21.135	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78391	21.456	ug/l	99
36) 1,1-Dichloropropene	8.07	75	88445	22.021	ug/l	99
37) Ethyl Acetate	7.25	43	46755	20.010	ug/l	98
38) Carbon Tetrachloride	8.06	117	74119	22.408	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106927	21.632	ug/l	95
40) Benzene	8.32	78	243856	22.074	ug/l	100
41) Methacrylonitrile	7.48	41	30499	21.455	ug/l	98
42) 1,2-Dichloroethane	8.40	62	77205	21.315	ug/l	100
43) Isopropyl Acetate	8.42	43	88995	20.134	ug/l	100
44) Trichloroethene	9.09	130	57934	21.700	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64525	21.509	ug/l	96
46) Dibromomethane	9.45	93	29374	20.936	ug/l	98
47) Bromodichloromethane	9.64	83	74114	21.336	ug/l	99
48) Methyl methacrylate	9.43	41	42643	19.897	ug/l	96
49) 1,4-Dioxane	9.45	88	8856	375.416	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	228375	98.153	ug/l	100
52) Toluene	10.38	92	147696	21.838	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76638	21.182	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92811	21.504	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	40974	20.671	ug/l	99
56) Ethyl methacrylate	10.65	69	59618	20.085	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78204	20.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	153441	102.169	ug/l	99
59) 2-Hexanone	10.96	43	159700	98.423	ug/l	99
60) Dibromochloromethane	11.13	129	43722	21.034	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37891	20.419	ug/l	98
64) Tetrachloroethene	10.86	164	48059	21.259	ug/l	98
65) Chlorobenzene	11.66	112	146629	21.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49941	21.875	ug/l	99
67) Ethyl Benzene	11.73	91	282446	21.931	ug/l	99
68) m/p-Xylenes	11.84	106	204942	43.853	ug/l	100
69) o-Xylene	12.16	106	94452	21.699	ug/l	100
70) Styrene	12.18	104	164269	21.717	ug/l	100
71) Bromoform	12.35	173	23049	20.709	ug/l #	97
73) Isopropylbenzene	12.46	105	265119	22.159	ug/l	100
74) N-amyl acetate	12.27	43	82679	20.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48575	20.675	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41300m	24.495	ug/l	
77) Bromobenzene	12.74	156	56971	21.664	ug/l	99
78) n-propylbenzene	12.80	91	328564	22.176	ug/l	99
79) 2-Chlorotoluene	12.89	91	184650	21.815	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	222030	21.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14740	21.177	ug/l	95
82) 4-Chlorotoluene	12.99	91	196725	22.302	ug/l	99
83) tert-Butylbenzene	13.21	119	187621	22.187	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	225088	21.960	ug/l	99
85) sec-Butylbenzene	13.38	105	271324	22.087	ug/l	100
86) p-Isopropyltoluene	13.50	119	243440	22.022	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	113609	21.840	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112515	21.668	ug/l	100
89) n-Butylbenzene	13.82	91	246669	21.954	ug/l	100
90) Hexachloroethane	14.09	117	41605	21.996	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	98695	21.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8000	20.036	ug/l	99

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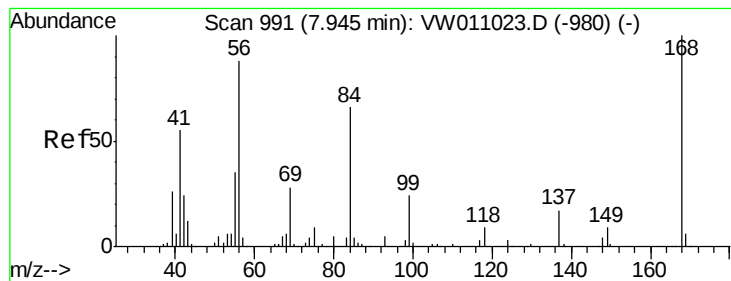
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71438	21.732	ug/l	98
94) Hexachlorobutadiene	15.24	225	42779	21.456	ug/l	99
95) Naphthalene	15.37	128	124658	20.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61792	21.052	ug/l	100

(#) = 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: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion:168 Resp: 232552

Ion Ratio Lower Upper

168 100

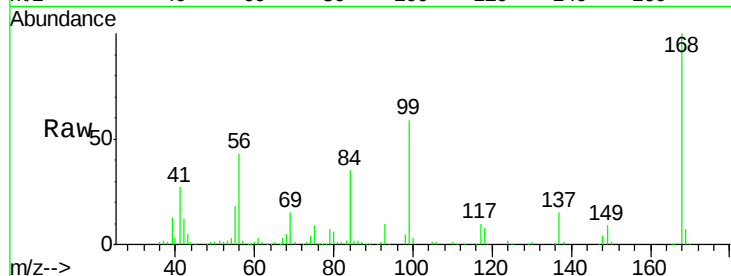
99 59.1 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

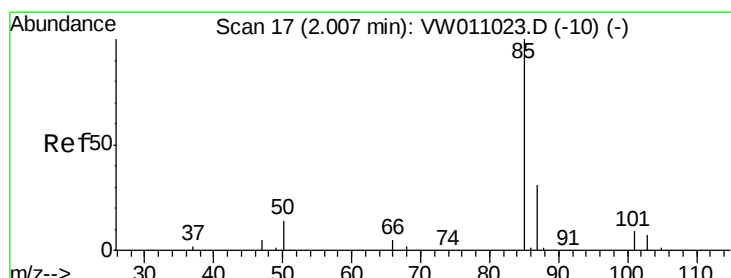
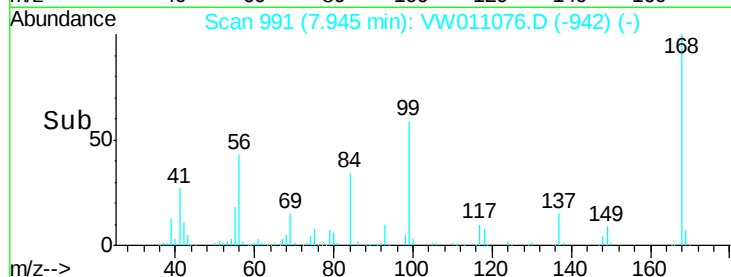
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.311 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011076.D

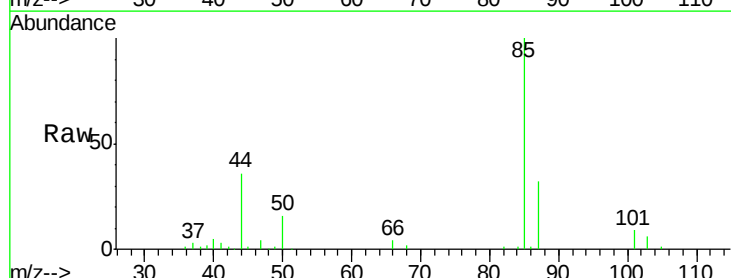
Acq: 01 Jul 2019 11:20

Tgt Ion: 85 Resp: 40866

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

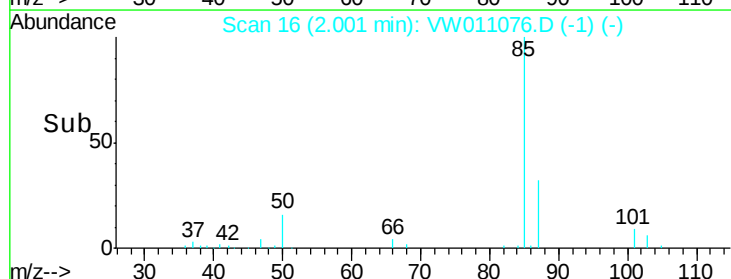
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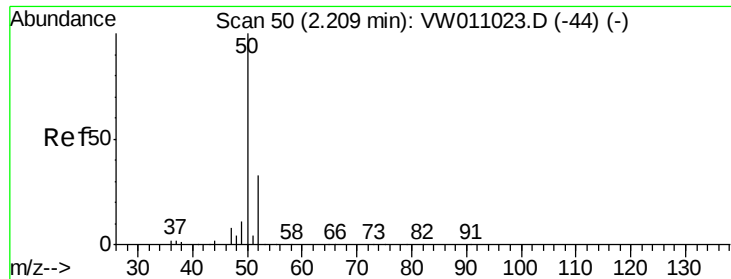
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.992 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 50 Resp: 51685

Ion Ratio Lower Upper

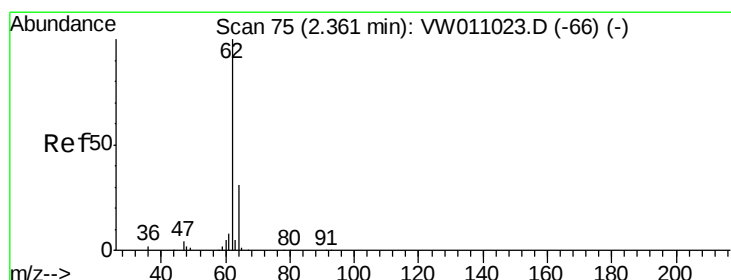
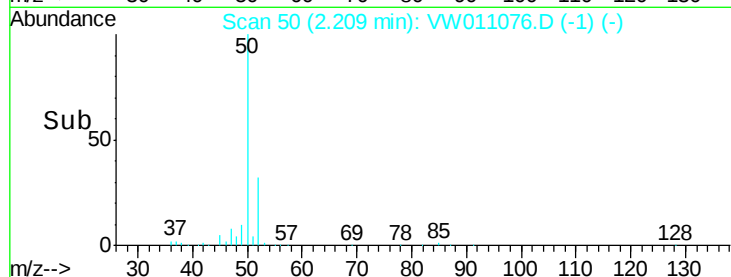
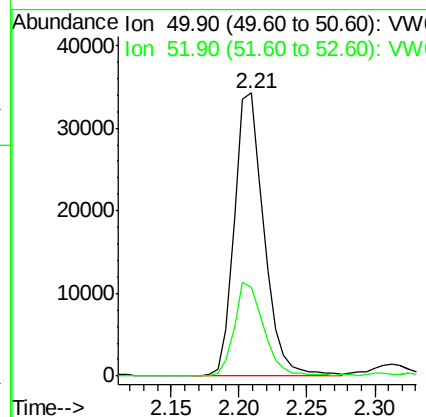
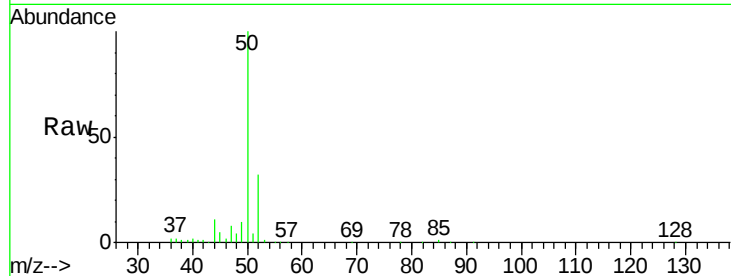
50 100

52 31.6 26.6 40.0

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7/2/2019 3:52:35 PM



#4

Vinyl Chloride

Concen: 21.825 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011076.D

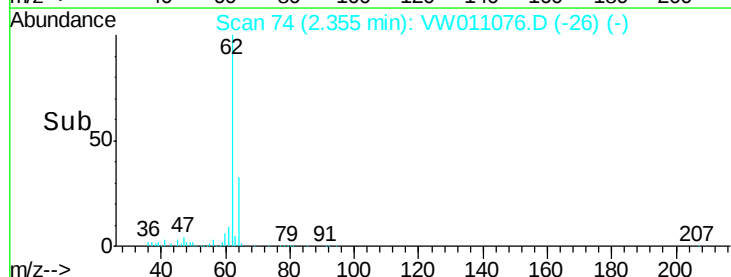
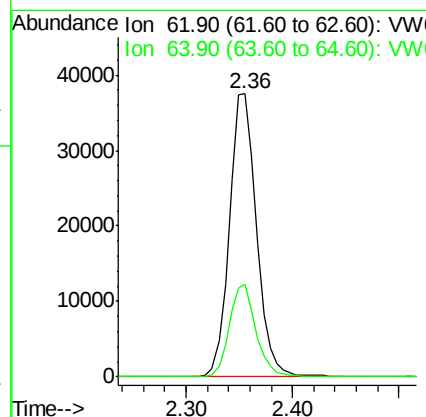
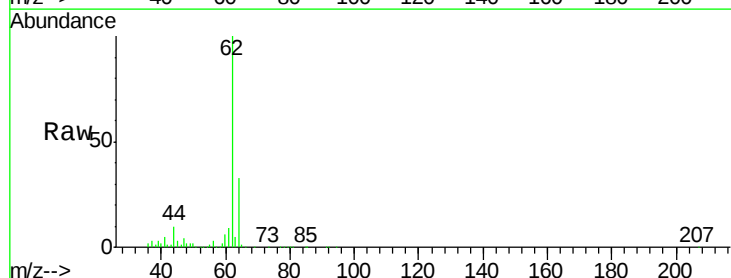
Acq: 01 Jul 2019 11:20

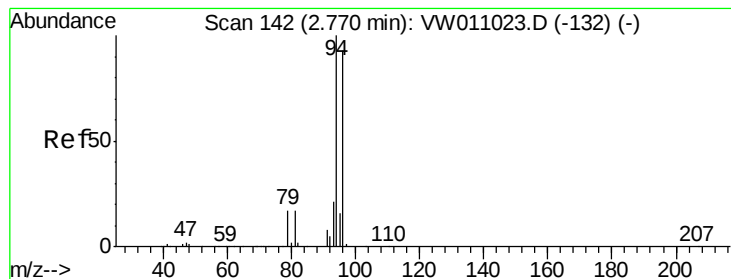
Tgt Ion: 62 Resp: 66782

Ion Ratio Lower Upper

62 100

64 32.9 24.8 37.2





#5

Bromomethane

Concen: 18.851 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

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VW0701SBS01

Tot Ion: 94 Resp: 28712

Ion Ratio Lower Upper

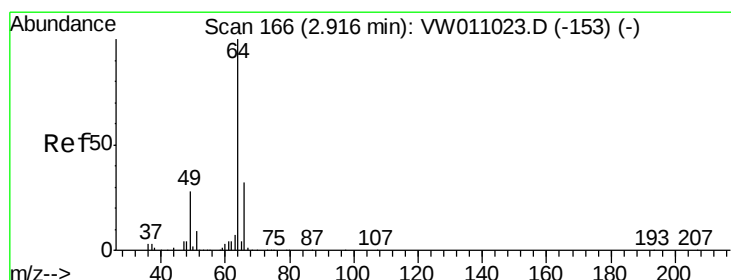
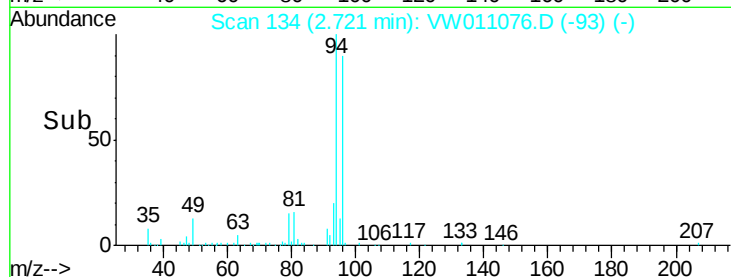
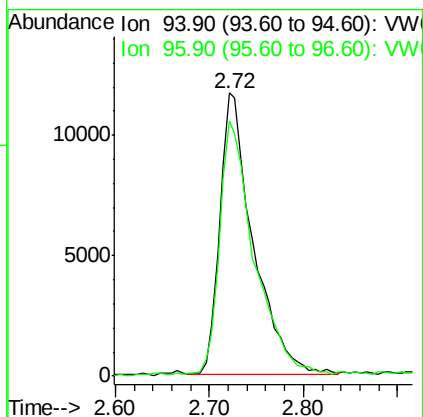
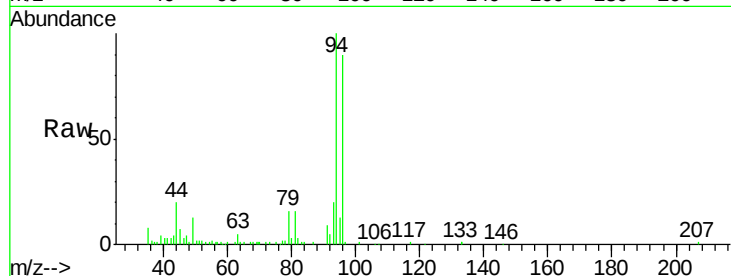
94 100

96 89.8 74.2 111.2

Manual Integrations
APPROVED

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7/2/2019 3:52:35 PM



#6

Chloroethane

Concen: 20.397 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW011076.D

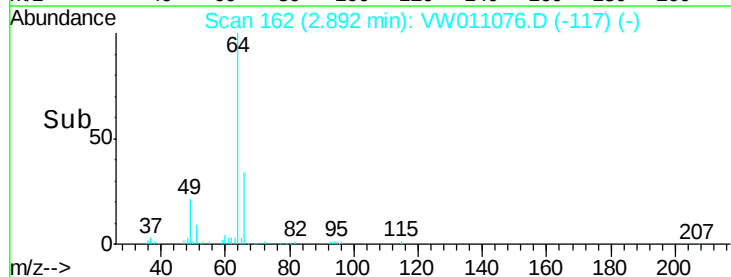
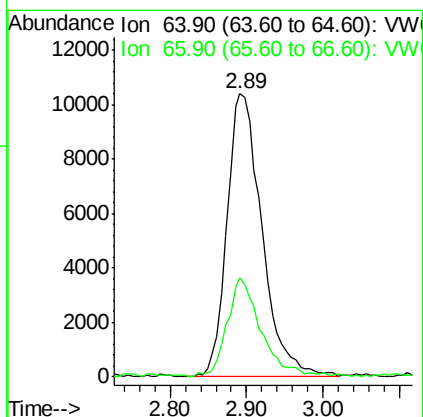
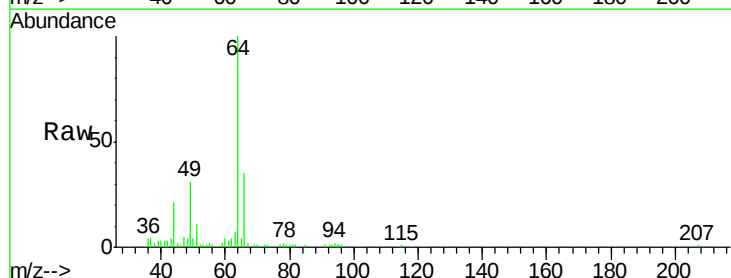
Acq: 01 Jul 2019 11:20

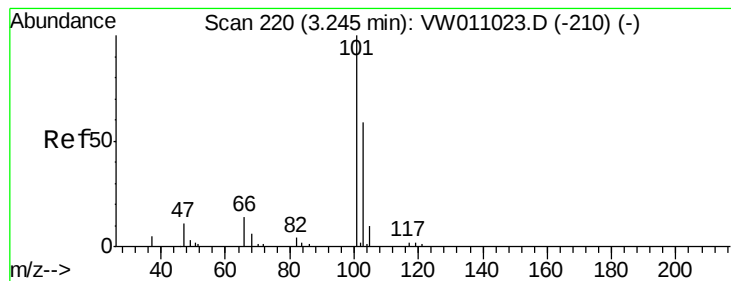
Tgt Ion: 64 Resp: 32906

Ion Ratio Lower Upper

64 100

66 34.9 25.7 38.5





#7

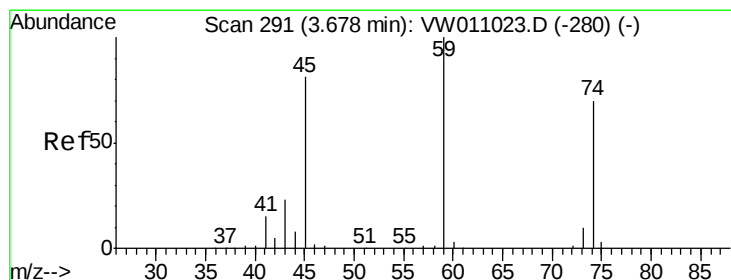
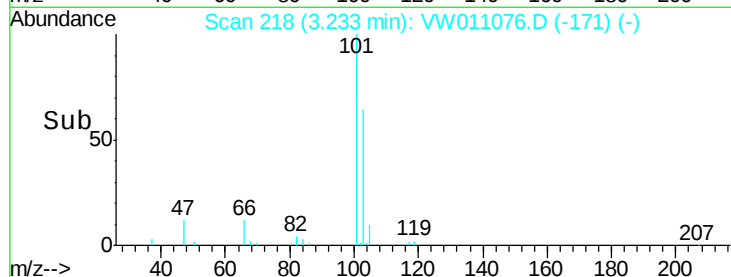
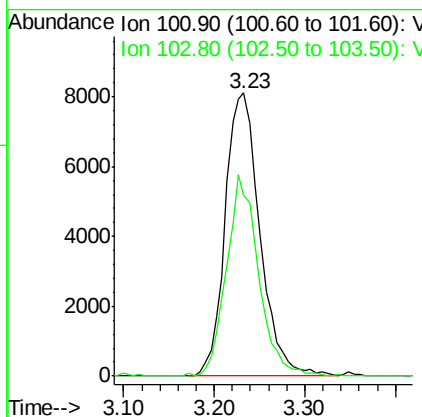
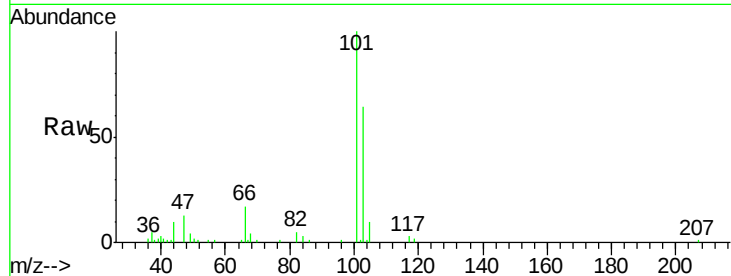
Trichlorofluoromethane
 Concen: 23.966 ug/l
 RT: 3.23 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
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 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	47.5	71.3

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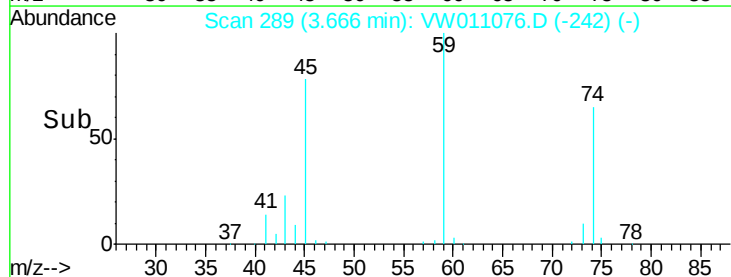
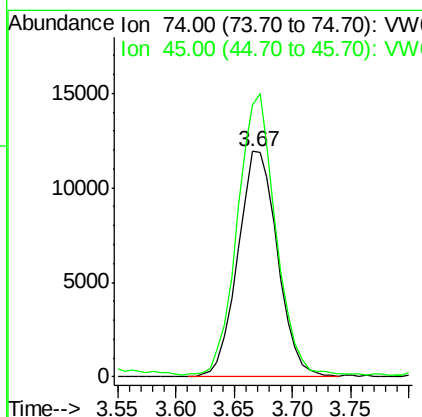
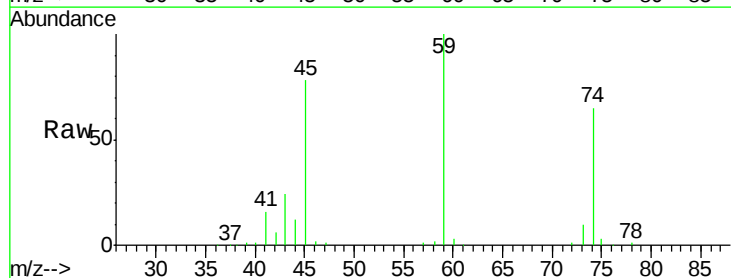
MMDadoda
 7/2/2019 3:52:35 PM

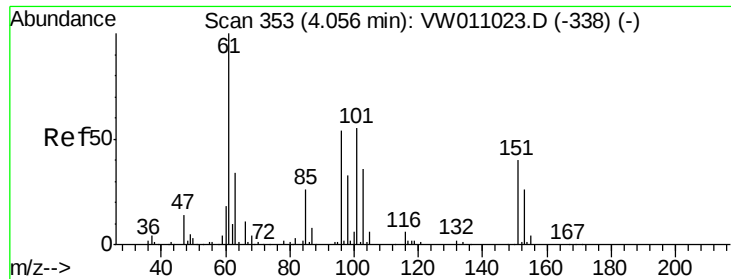


#8

Diethyl Ether
 Concen: 19.892 ug/l
 RT: 3.67 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.1	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.923 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

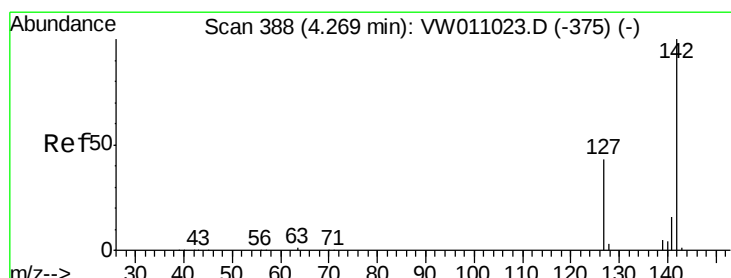
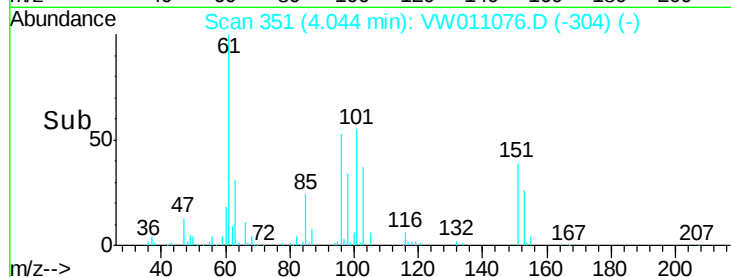
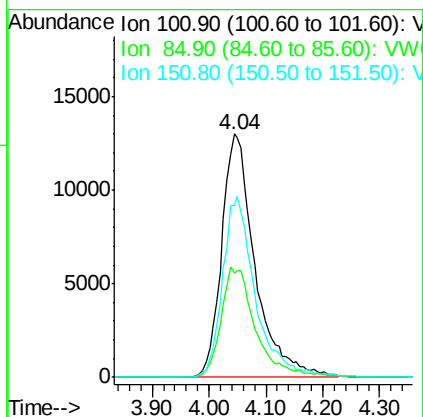
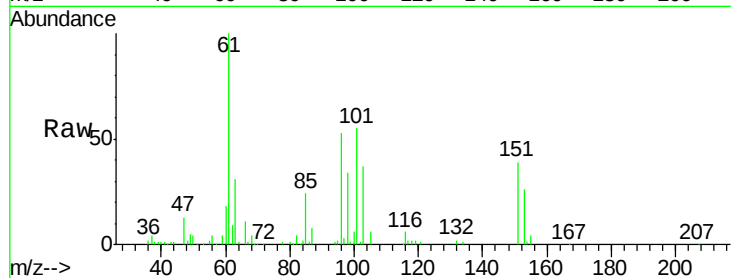
ClientSampleId :

VW0701SBS01

Tot Ion:	101	Resp:	52913
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.6	55.0
151	72.9	58.9	88.3

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#10

Methyl Iodide

Concen: 20.628 ug/l

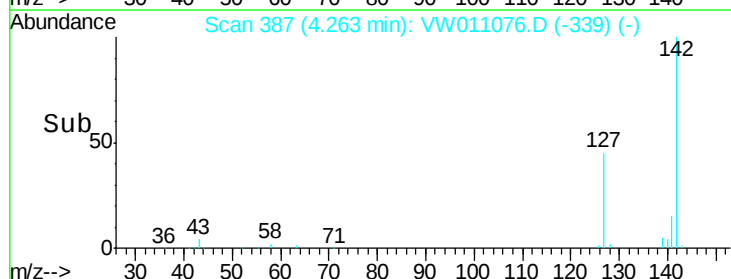
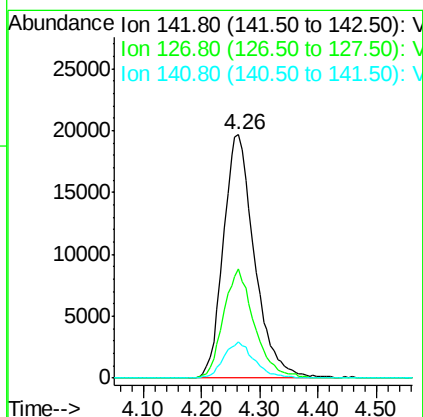
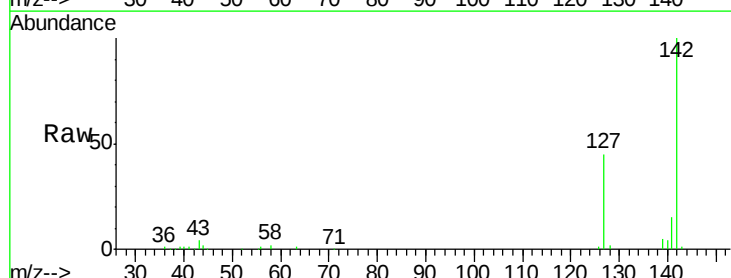
RT: 4.26 min Scan# 387

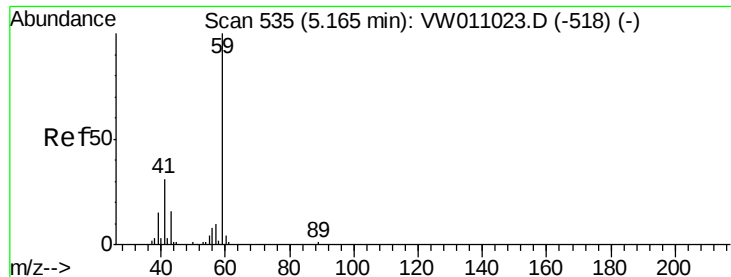
Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	142	Resp:	72989
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.8	53.8
141	14.6	12.2	18.2





#11

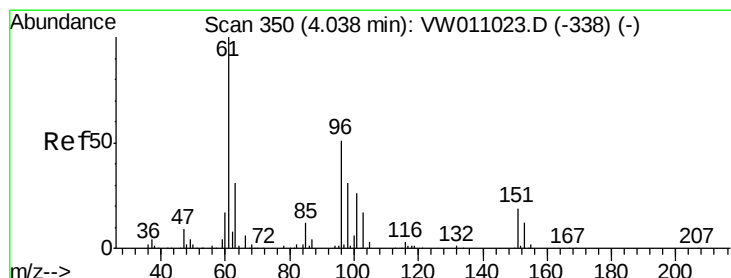
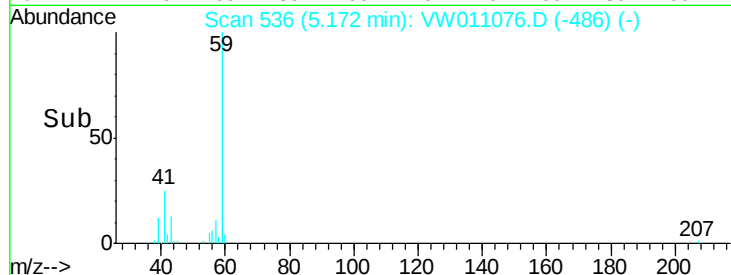
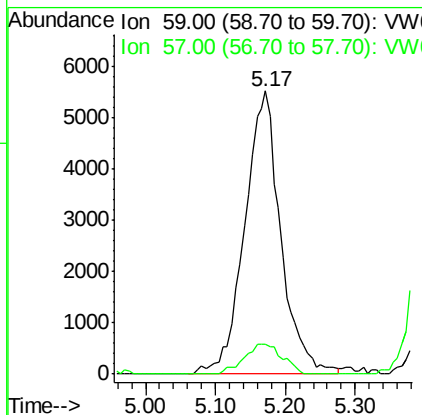
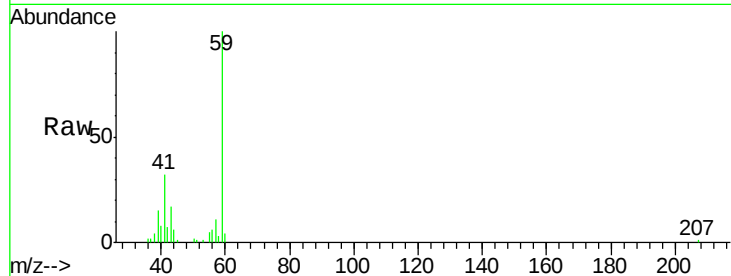
Tert butyl alcohol
 Concen: 89.409 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	59	57	Ratio	100	11.3	Resp:	19741	Lower	9.0	Upper	13.4
Ion											

Manual Integrations
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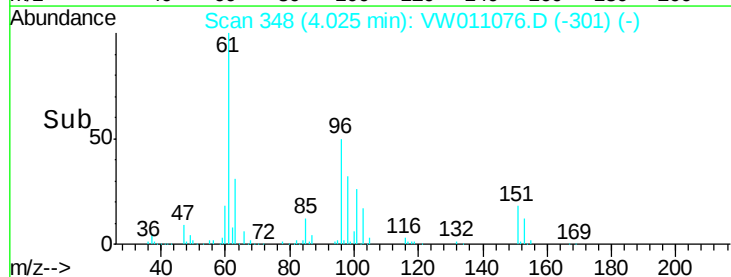
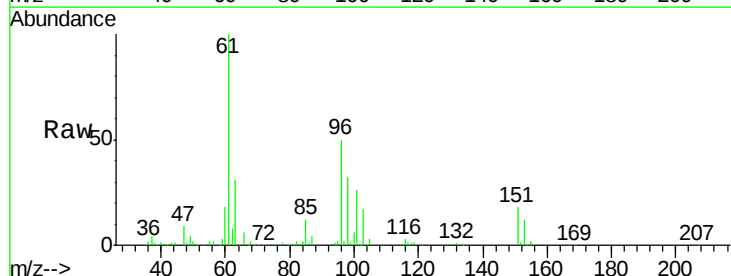
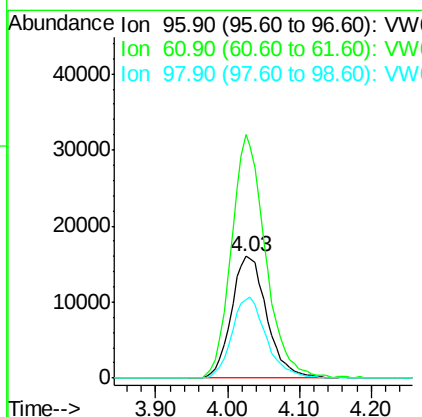
MMDadoda
 7/2/2019 3:52:35 PM

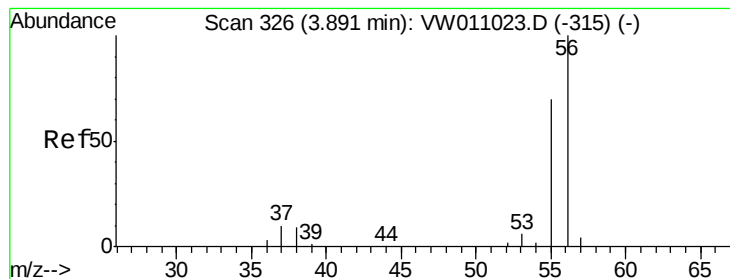


#12

1,1-Dichloroethene
 Concen: 20.766 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	96	61	98	Ratio	100	200.3	64.4	Resp:	54664	Lower	156.0	48.7	Upper	234.0	73.1
Ion															





#13

Acrolein

Concen: 88.485 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 56 Resp: 15235

Ion Ratio Lower Upper

56 100

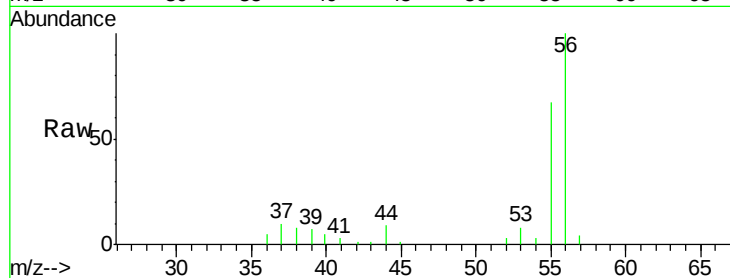
55 69.7 55.7 83.5

Manual Integrations

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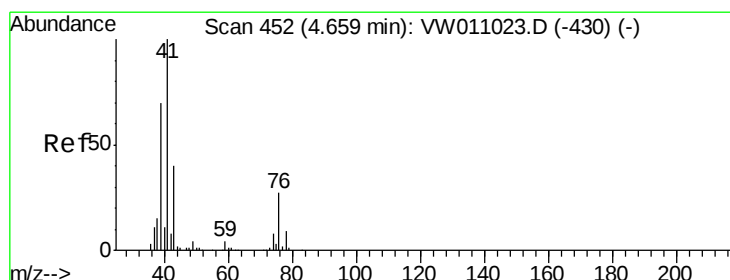
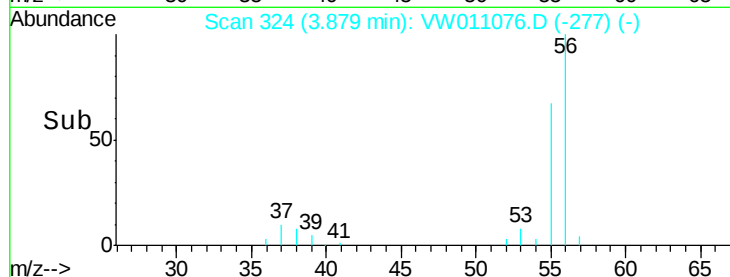
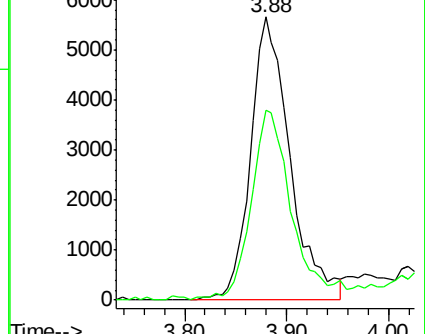
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 23.508 ug/l

RT: 4.65 min Scan# 450

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

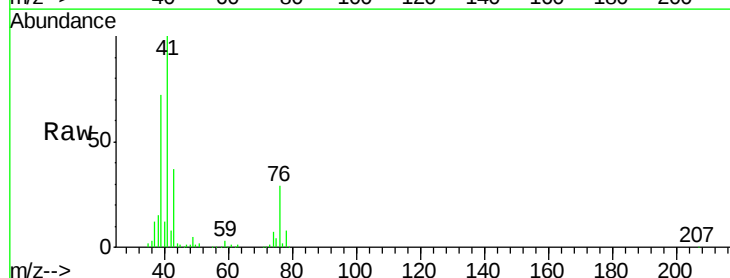
Tgt Ion: 41 Resp: 99598

Ion Ratio Lower Upper

41 100

39 69.8 55.4 83.2

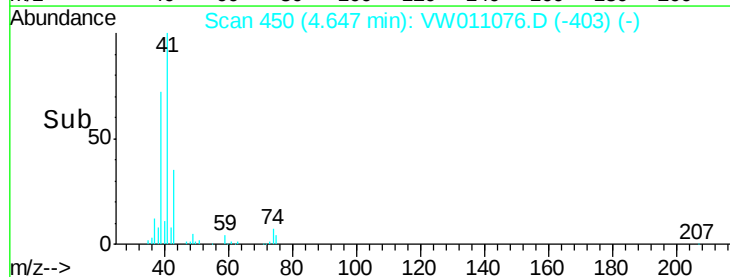
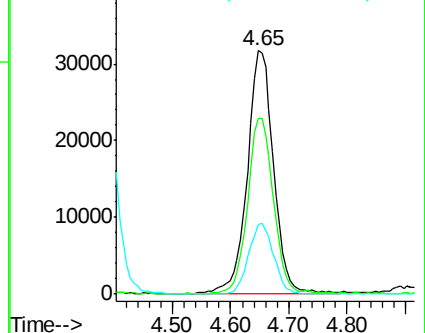
76 27.7 22.0 33.0

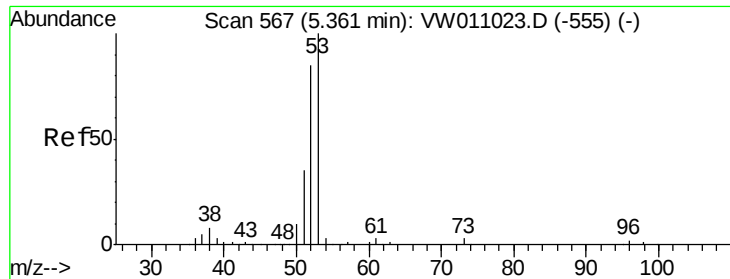


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.198 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

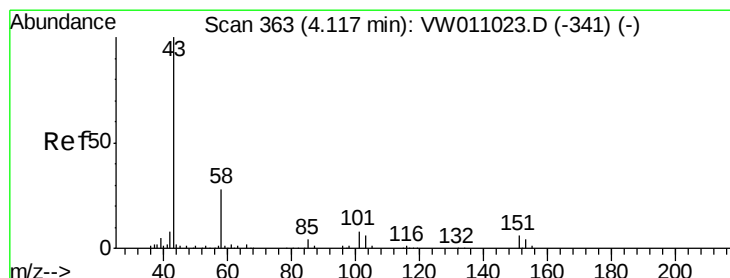
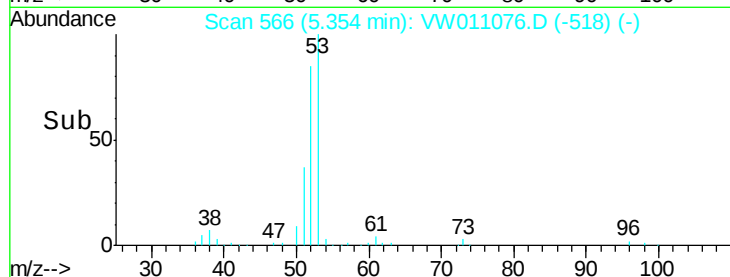
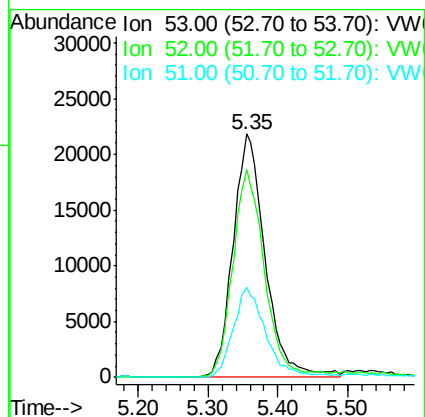
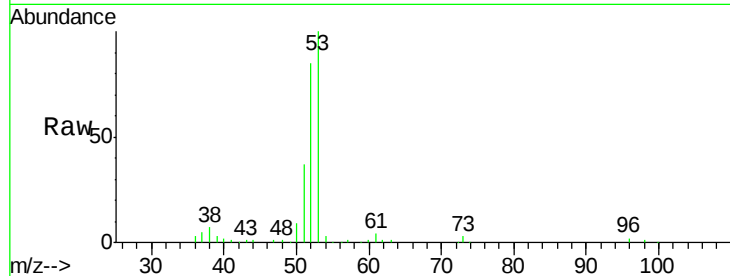
ClientSampleId :

VW0701SBS01

Tot Ion:	53	Resp:	69566
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.3	99.5
51	37.5	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 94.932 ug/l

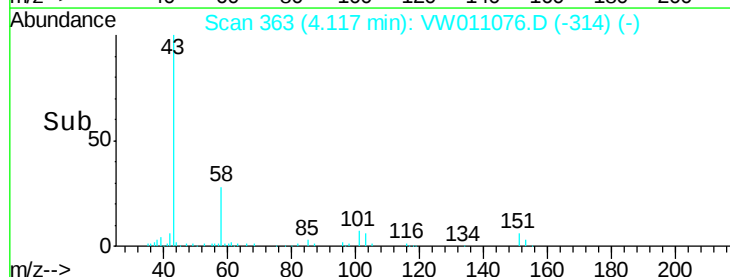
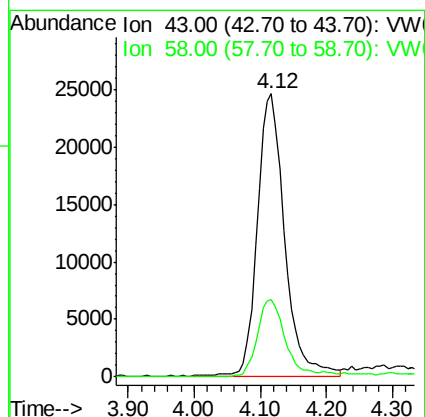
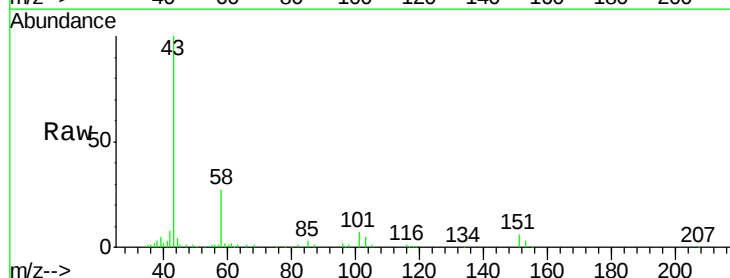
RT: 4.12 min Scan# 363

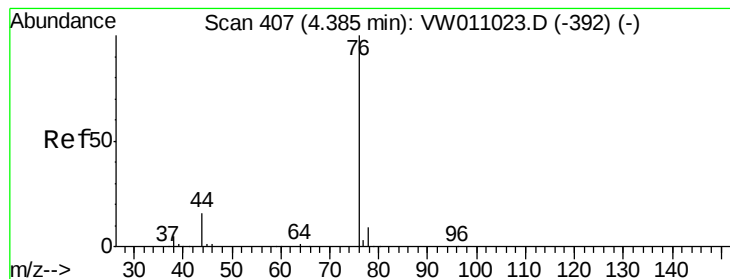
Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	43	Resp:	70446
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.5	33.7





#17

Carbon Disulfide

Concen: 21.049 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 76 Resp: 157198

Ion Ratio Lower Upper

76 100

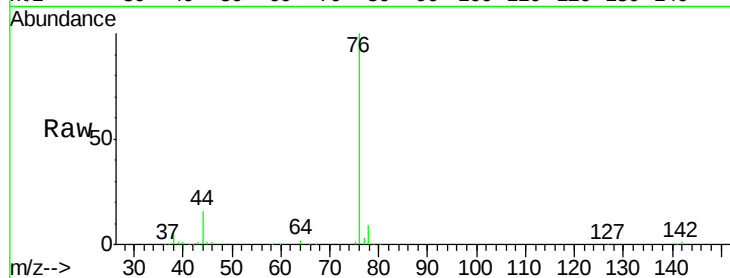
78 8.7 7.2 10.8

Manual Integrations

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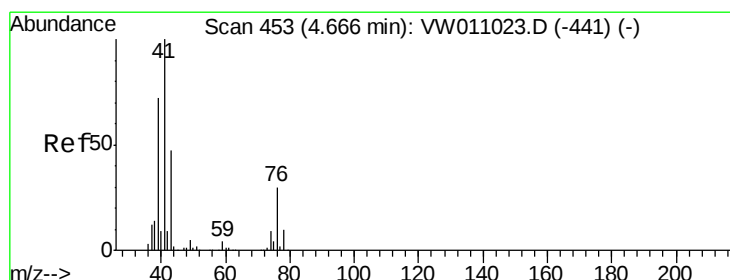
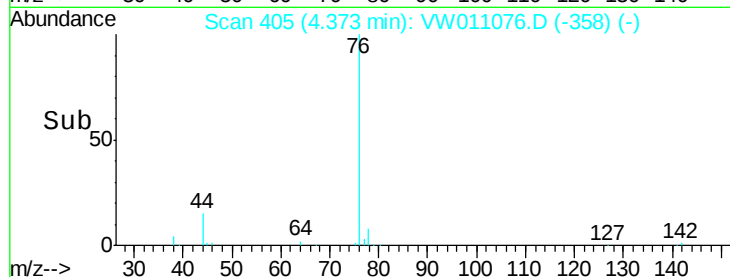
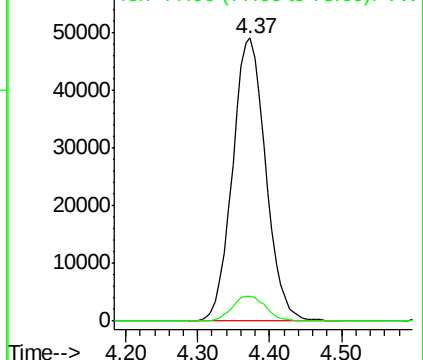
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.477 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011076.D

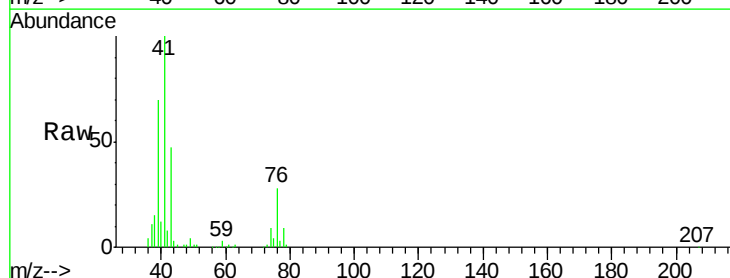
Acq: 01 Jul 2019 11:20

Tgt Ion: 43 Resp: 41284

Ion Ratio Lower Upper

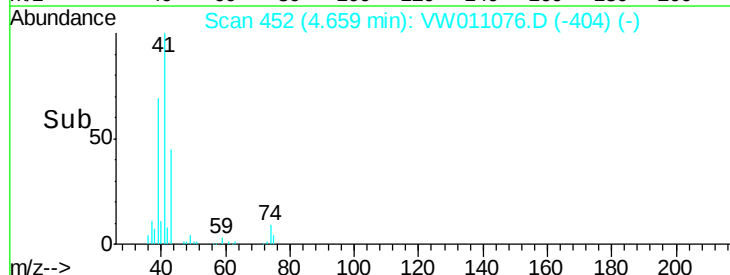
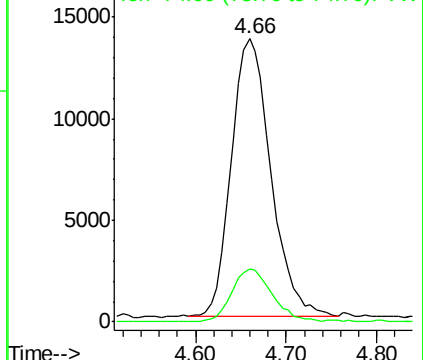
43 100

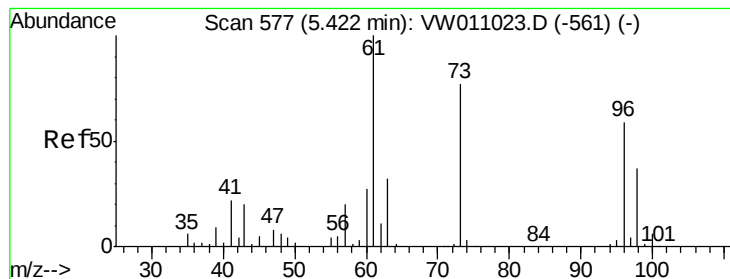
74 19.4 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

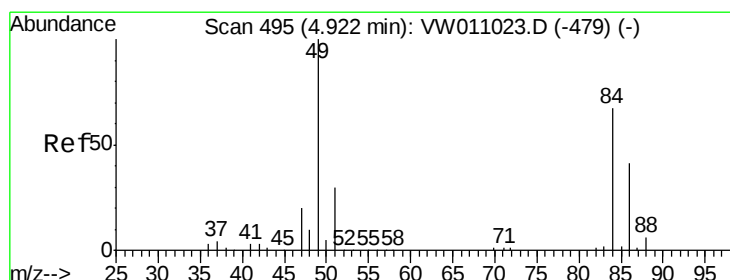
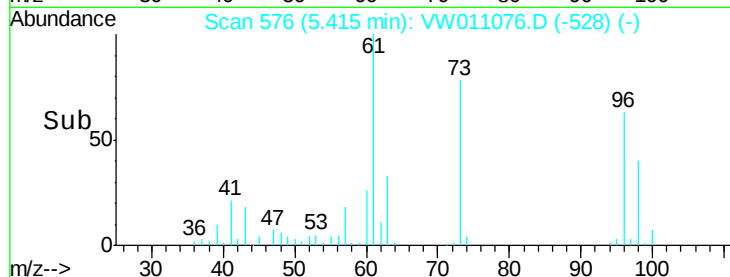
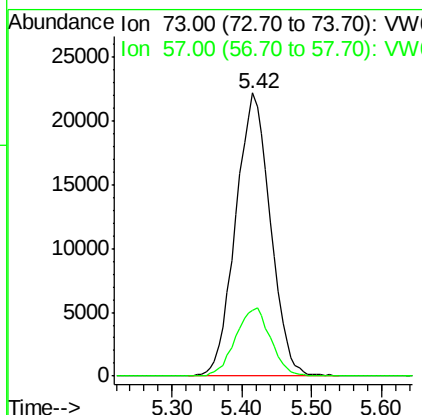
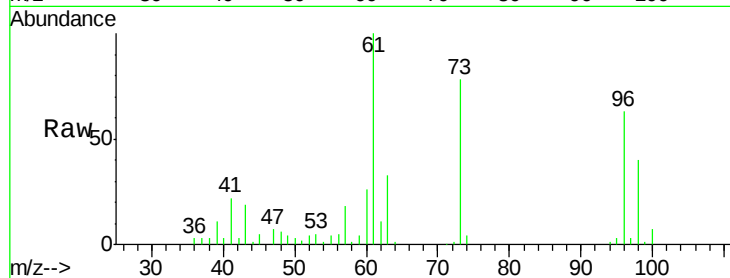
Methyl tert-butyl Ether
 Concen: 20.484 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion: 73 Resp: 76321
 Ion Ratio Lower Upper
 73 100
 57 23.4 20.8 31.2

Manual Integrations
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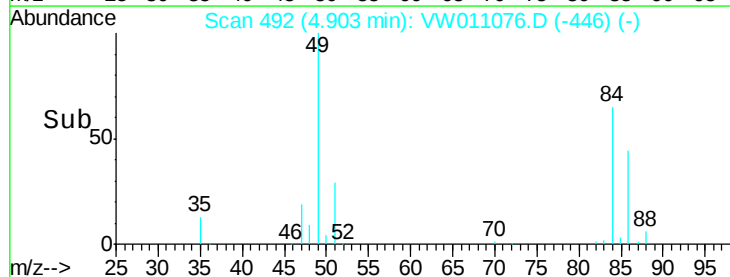
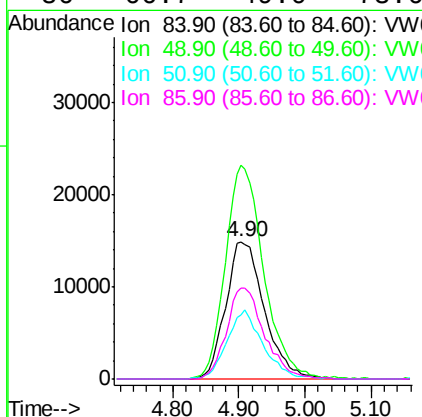
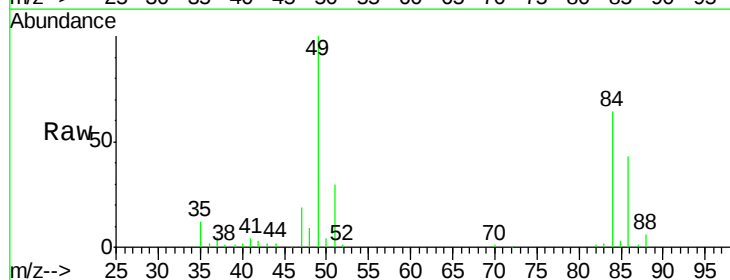
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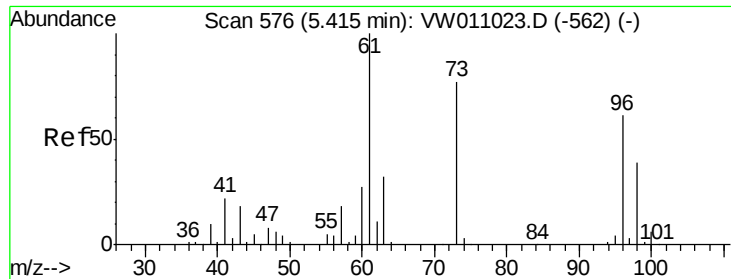


#20

Methylene Chloride
 Concen: 20.020 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 84 Resp: 60361
 Ion Ratio Lower Upper
 84 100
 49 155.9 119.6 179.4
 51 46.4 35.6 53.4
 86 66.7 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.451 ug/l

RT: 5.40 min Scan# 574

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 96 Resp: 58188

Ion Ratio Lower Upper

96 100

61 156.7 131.0 196.4

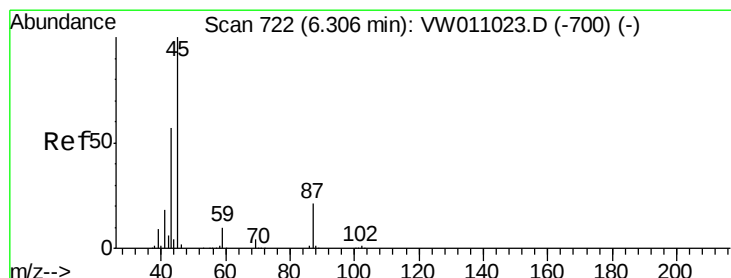
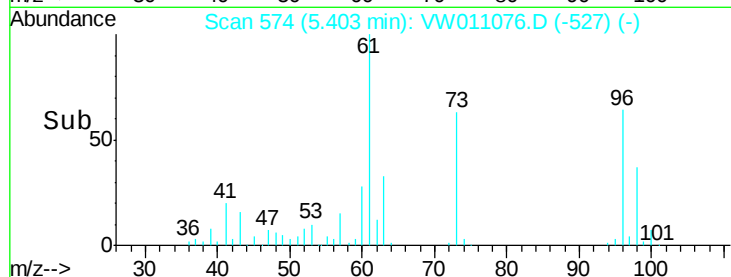
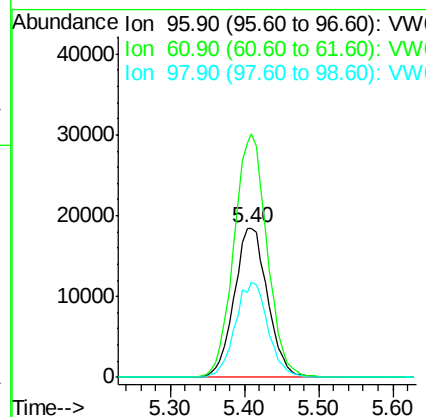
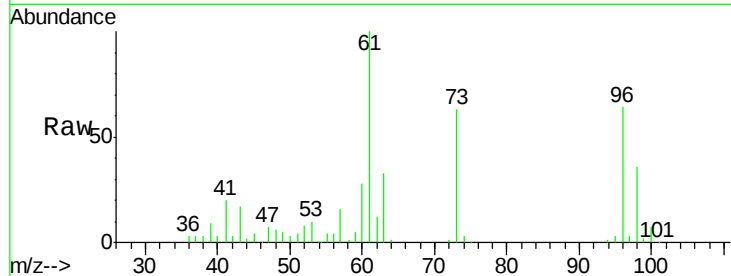
98 57.1 50.8 76.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.910 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion: 45 Resp: 213191

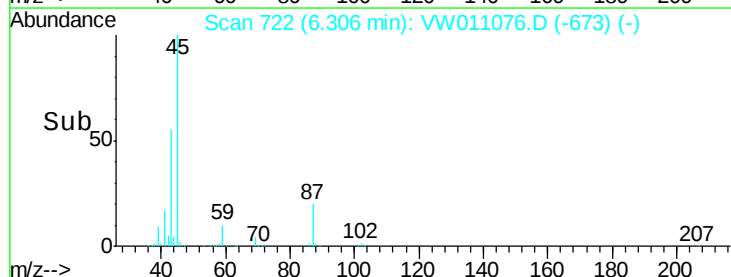
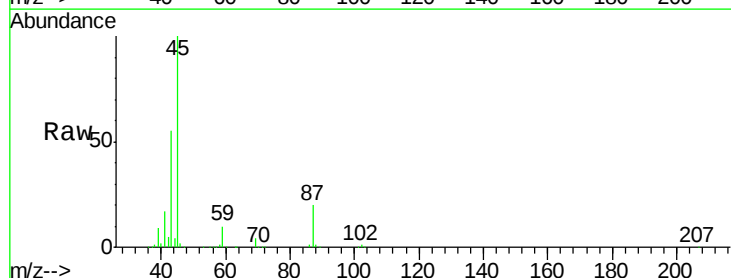
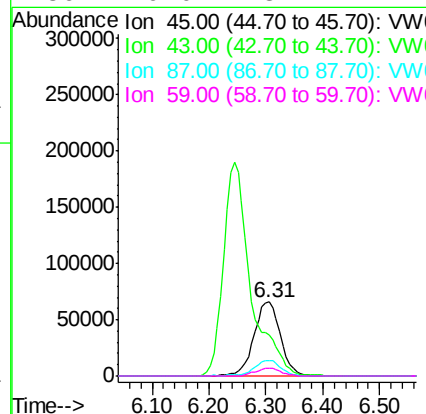
Ion Ratio Lower Upper

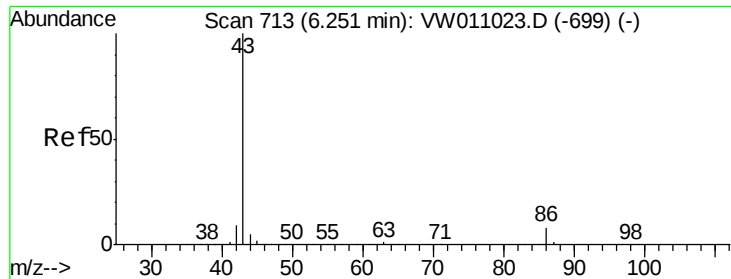
45 100

43 54.5 45.8 68.6

87 20.4 17.1 25.7

59 10.0 8.2 12.4





#23

Vinyl Acetate

Concen: 100.525 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 43 Resp: 631509

Ion Ratio Lower Upper

43 100

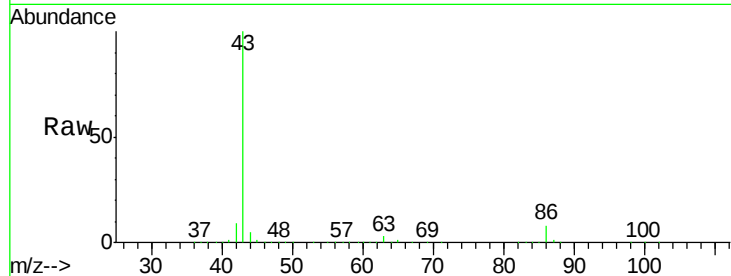
86 8.3 6.6 10.0

Manual Integrations

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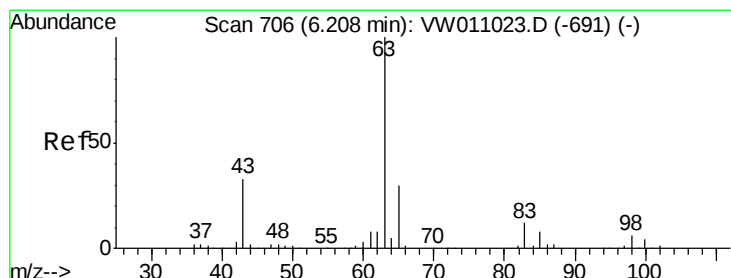
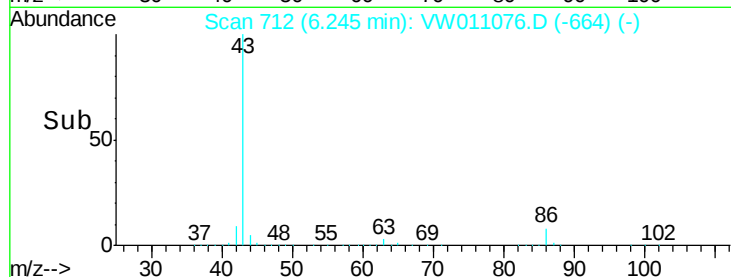
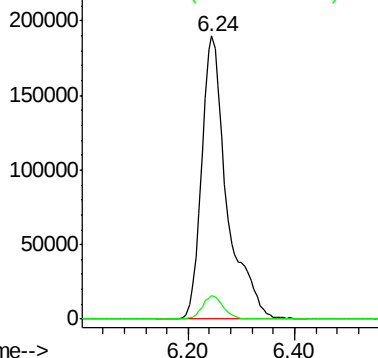
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.224 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

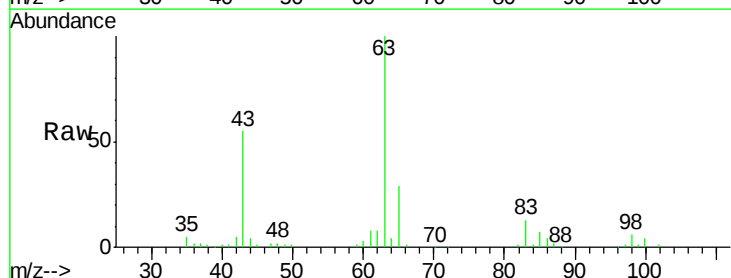
Tgt Ion: 63 Resp: 114224

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.4

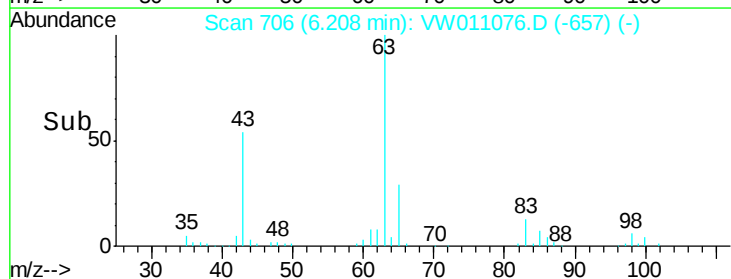
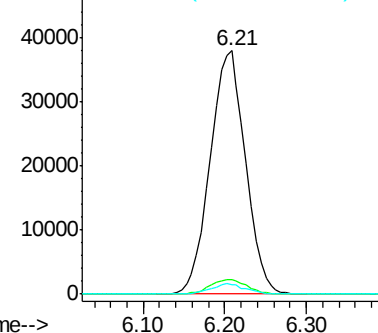
100 4.1 2.1 6.2

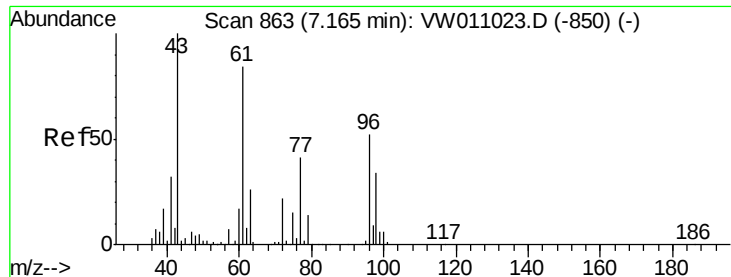


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 94.368 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 43 Resp: 106444

Ion Ratio Lower Upper

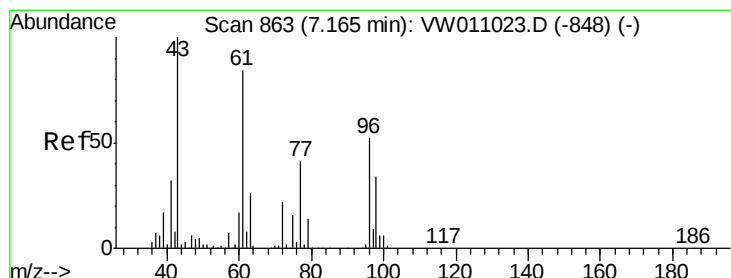
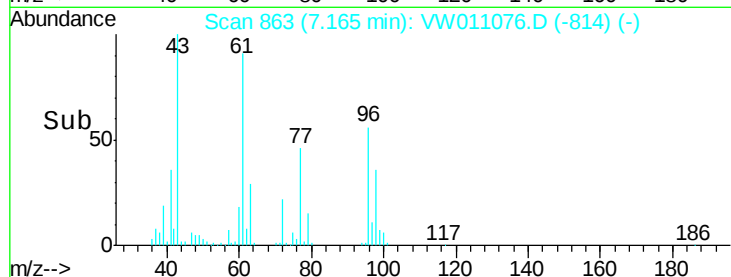
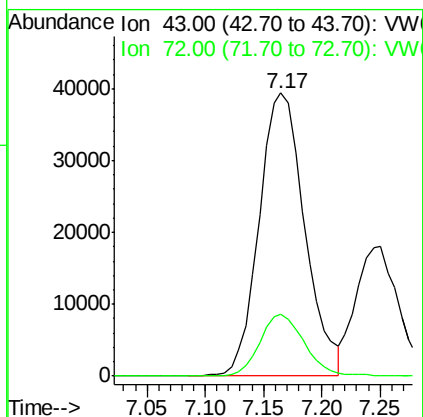
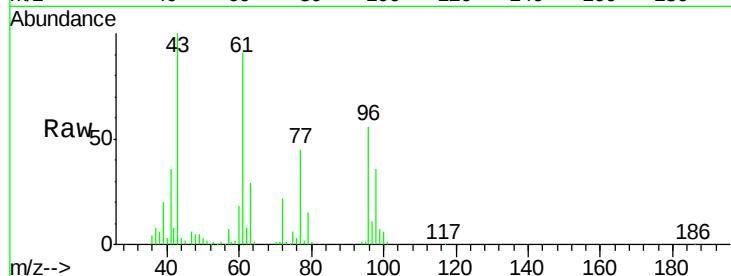
43 100

72 21.8 17.2 25.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.560 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011076.D

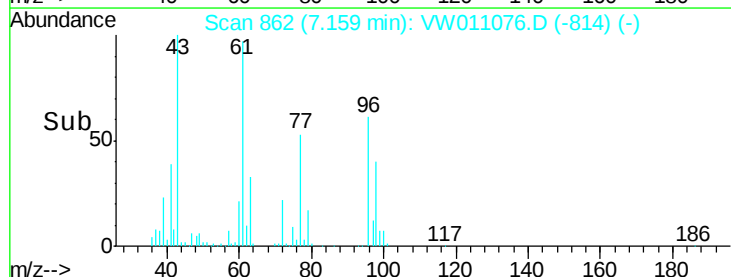
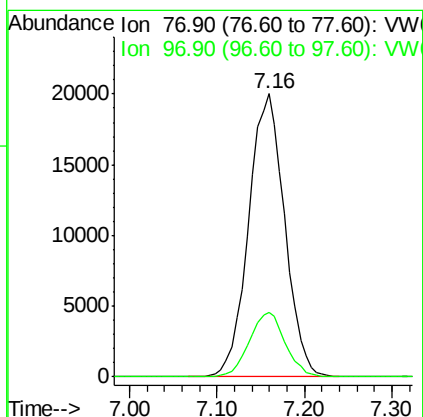
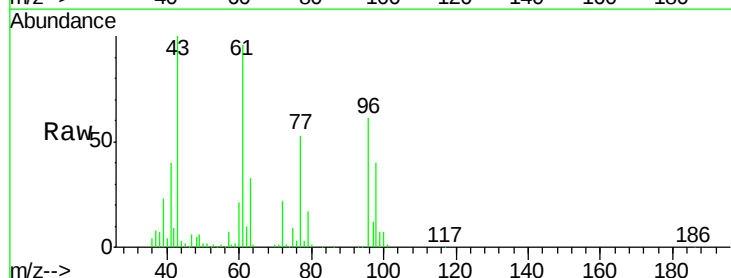
Acq: 01 Jul 2019 11:20

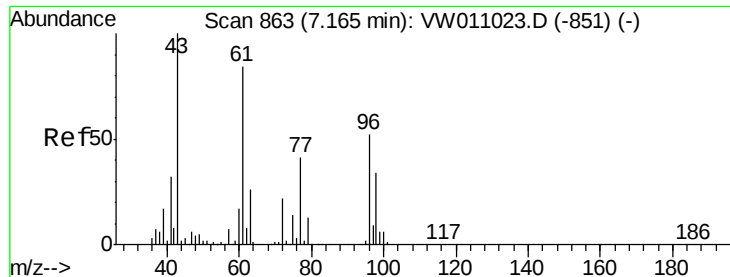
Tgt Ion: 77 Resp: 57449

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.7





#27

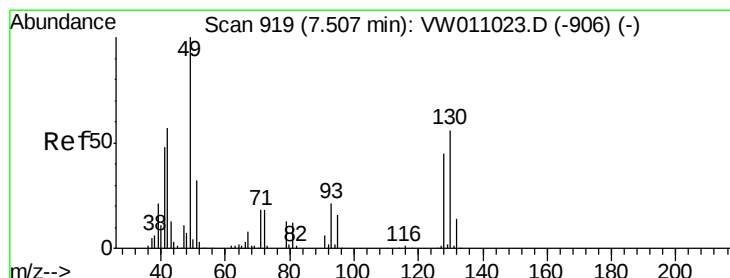
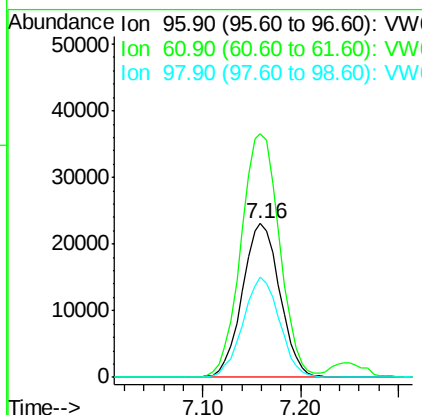
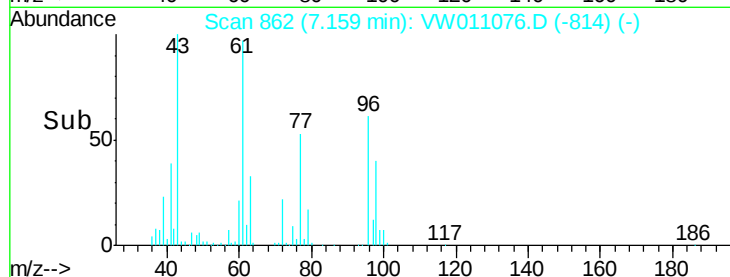
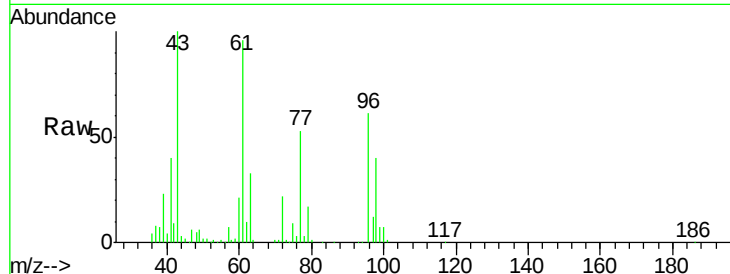
cis-1,2-Dichloroethene
Concen: 20.998 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	330.4
98	63.5	0.0	129.4

Manual Integrations
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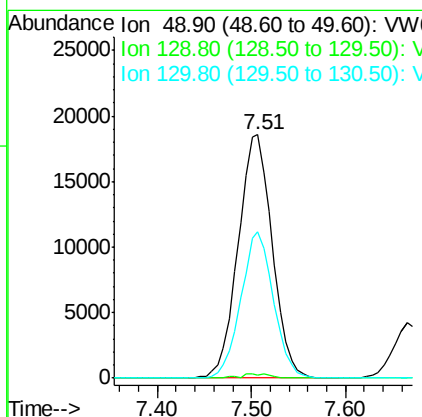
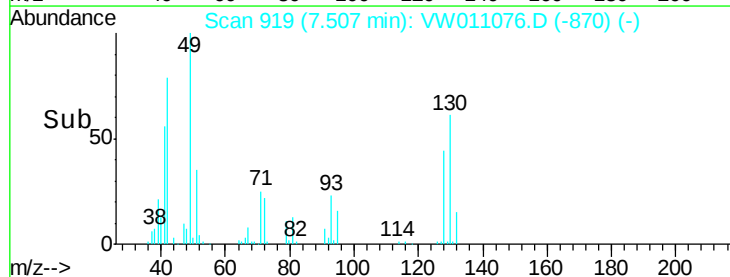
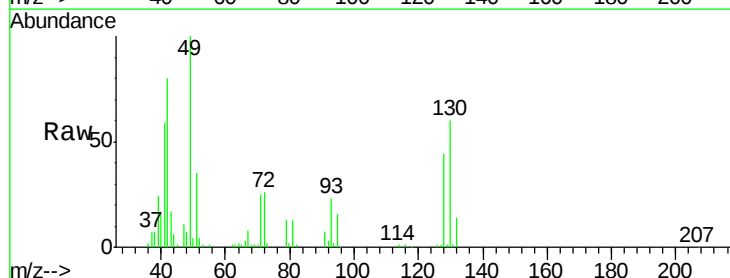
MMDadoda
7/2/2019 3:52:35 PM

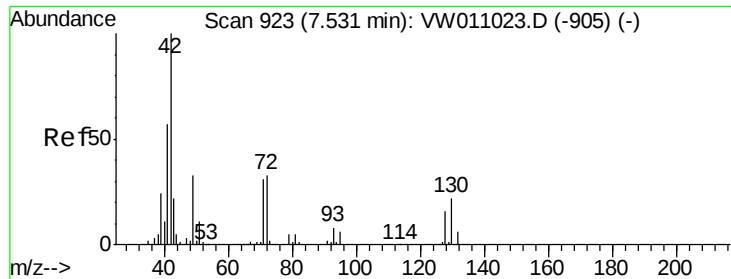


#28

Bromochloromethane
Concen: 18.743 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	57.5	46.1	69.1





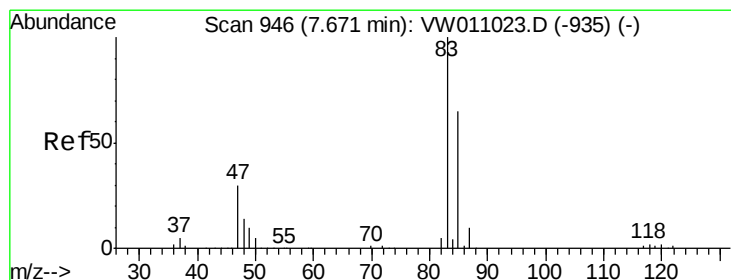
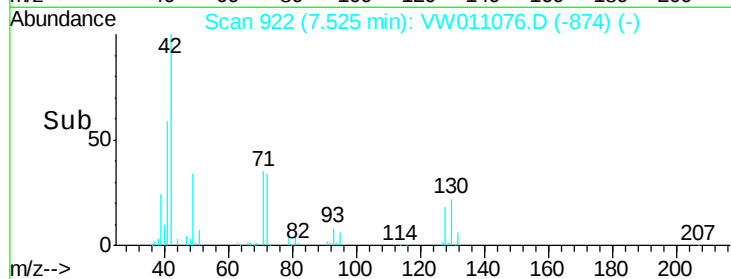
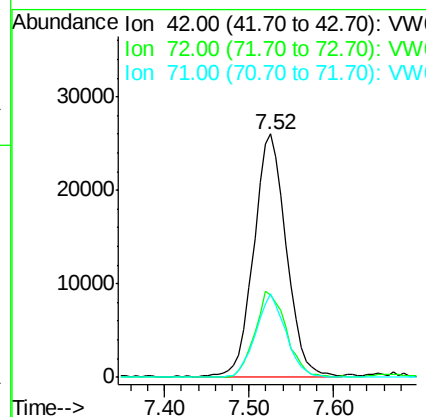
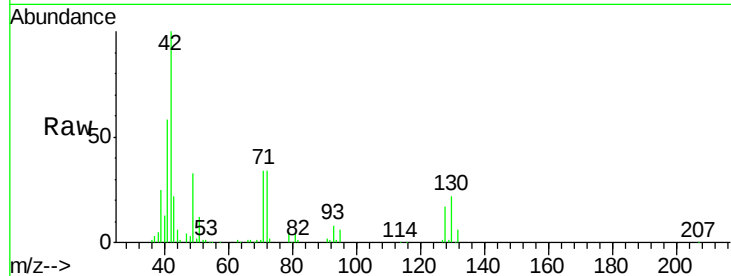
#29
Tetrahydrofuran
Concen: 97.422 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	27.4	41.0
71	32.1	25.6	38.4

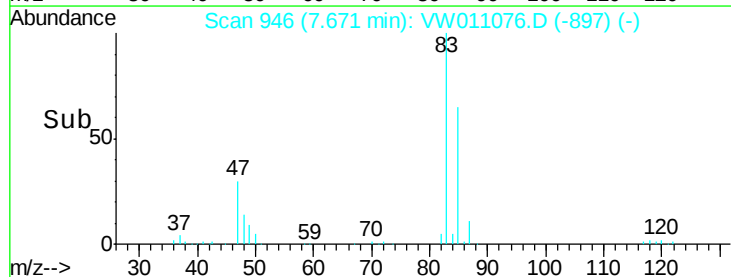
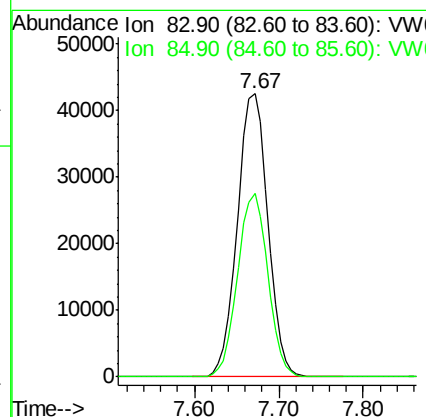
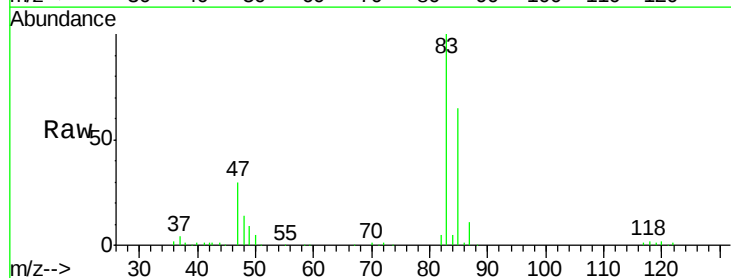
Manual Integrations
APPROVED

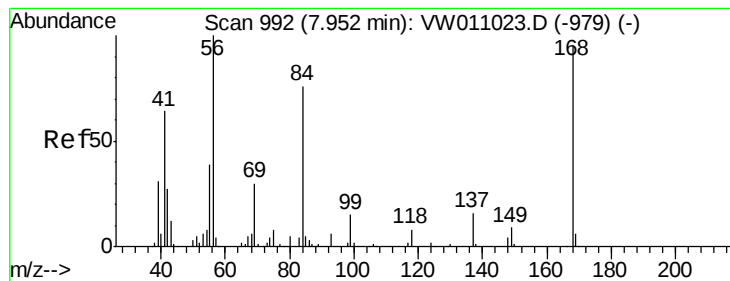
MMDadoda
7/2/2019 3:52:35 PM



#30
Chloroform
Concen: 21.264 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





#31

Cyclohexane

Concen: 21.135 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

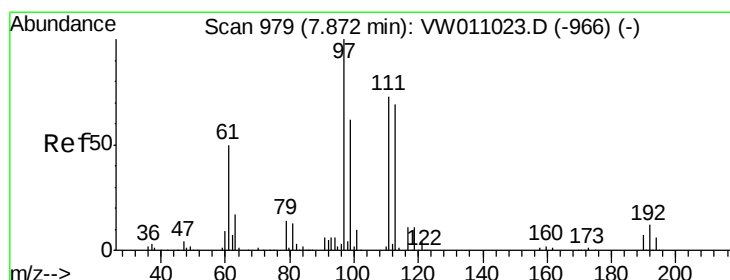
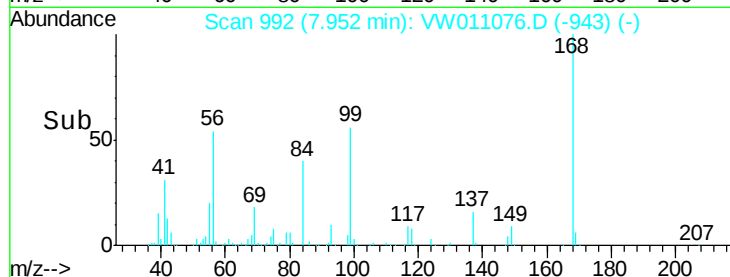
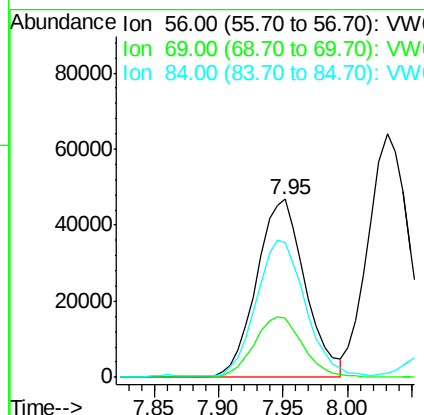
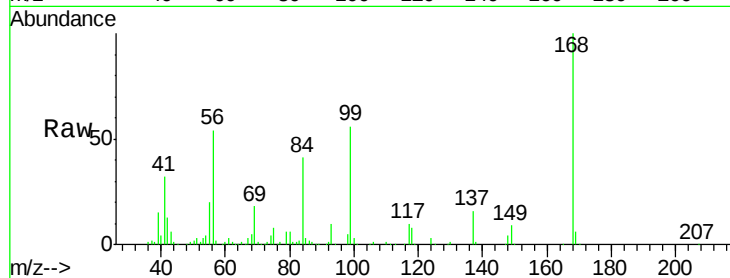
VW0701SBS01

Tot Ion: 56 Resp: 122905

Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.2	36.2
84	75.0	60.6	90.8

Manual Integrations
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7/2/2019 3:52:35 PM



#32

1,1,1-Trichloroethane

Concen: 21.456 ug/l

RT: 7.87 min Scan# 978

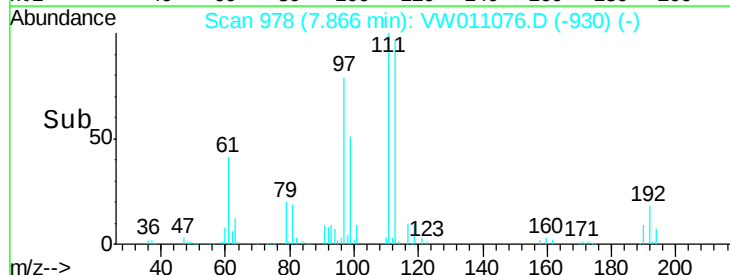
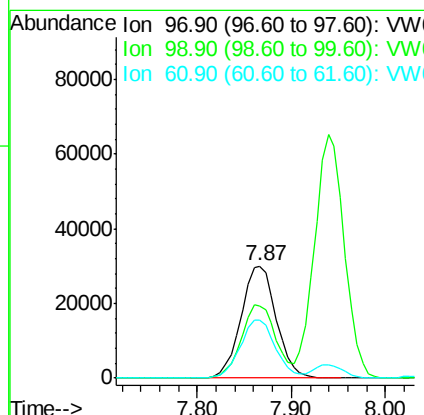
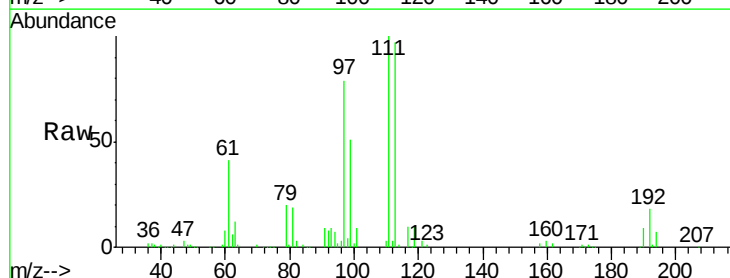
Delta R.T. -0.01 min

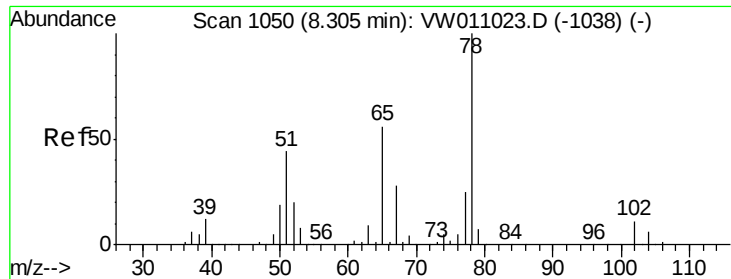
Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion: 97 Resp: 78391

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.1	76.7
61	52.2	41.4	62.2





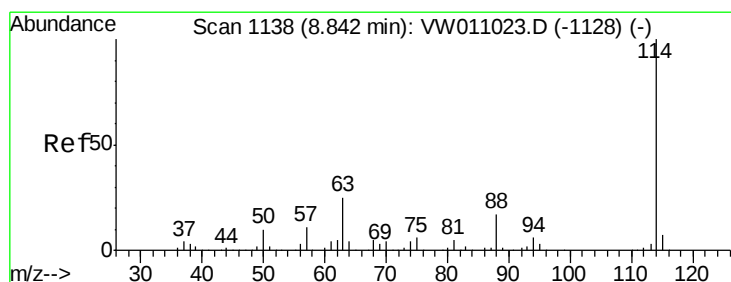
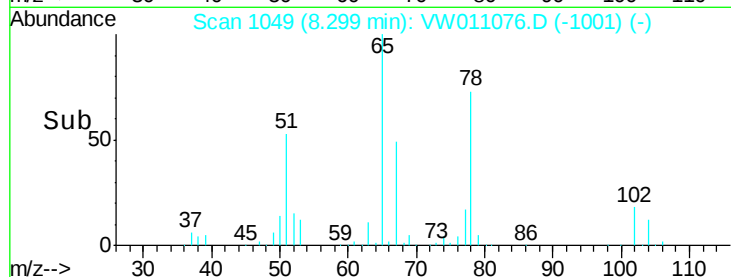
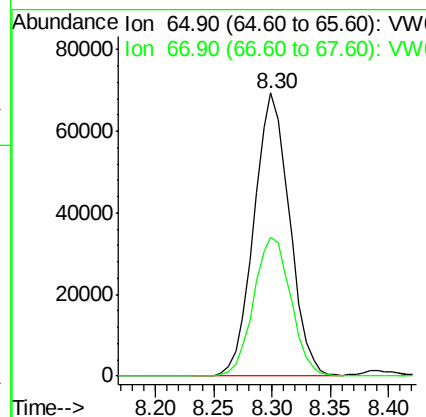
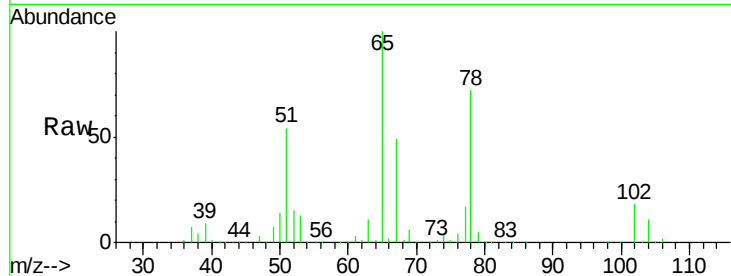
#33
 1,2-Dichloroethane-d4
 Concen: 48.818 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion: 65 Resp: 148409
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4

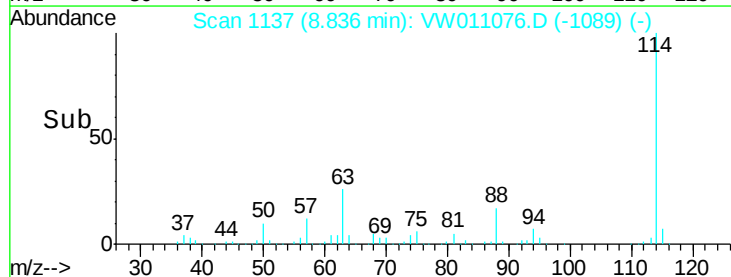
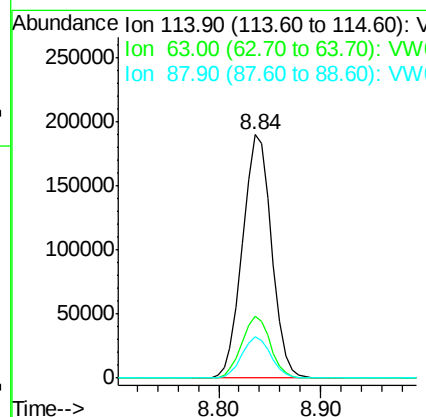
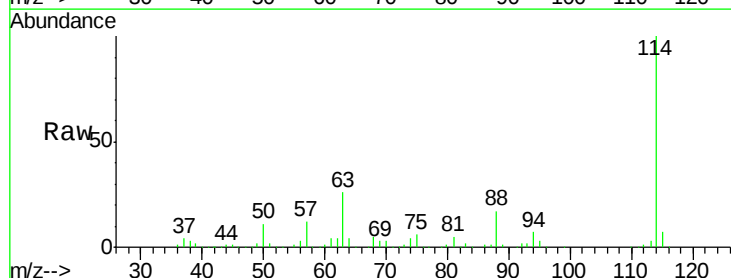
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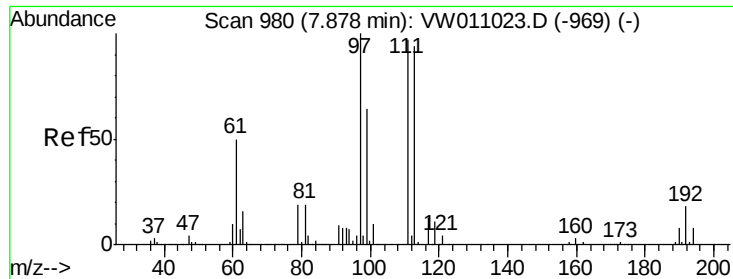
MMDadoda
 7/2/2019 3:52:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 114 Resp: 373686
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.6
 88 17.0 0.0 34.0





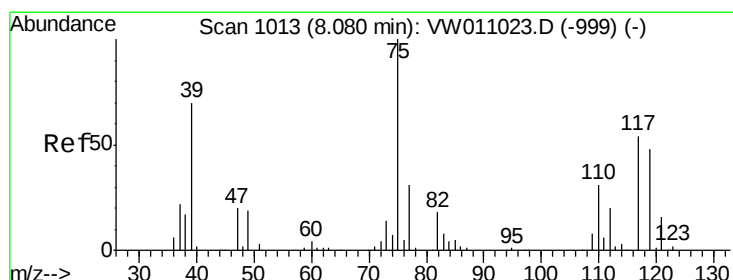
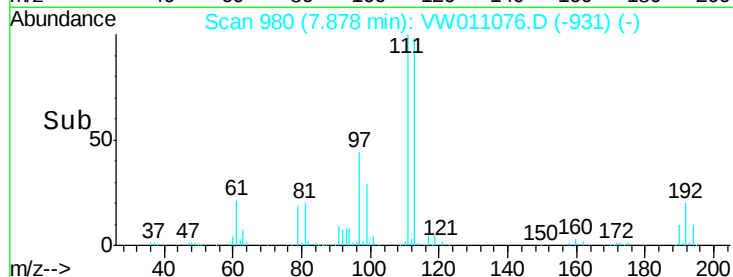
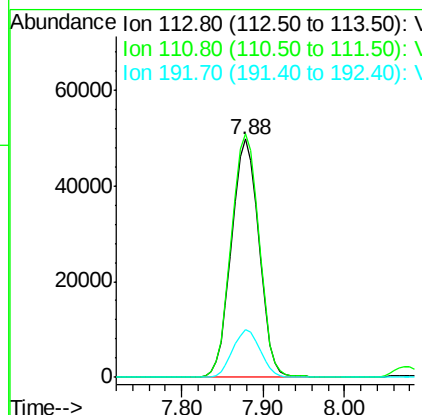
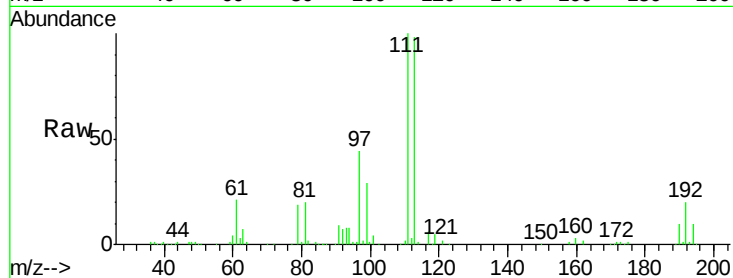
#35
 Dibromofluoromethane
 Concen: 51.033 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	83.8	125.6	
192	19.9	16.0	24.0	

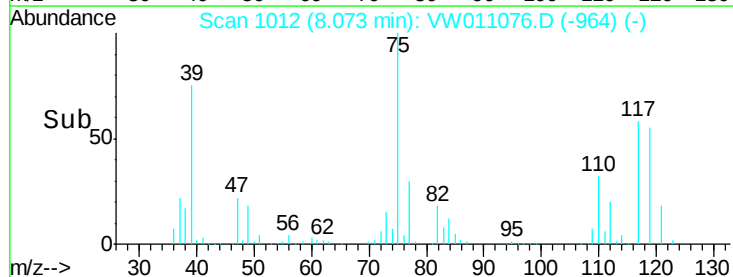
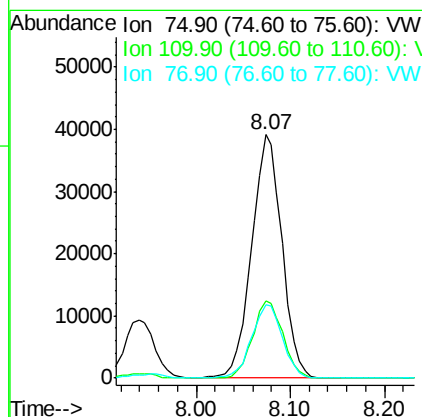
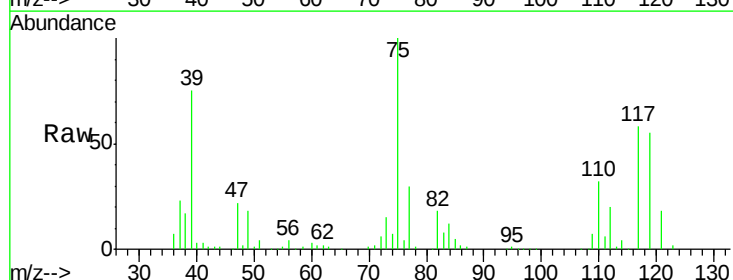
Manual Integrations
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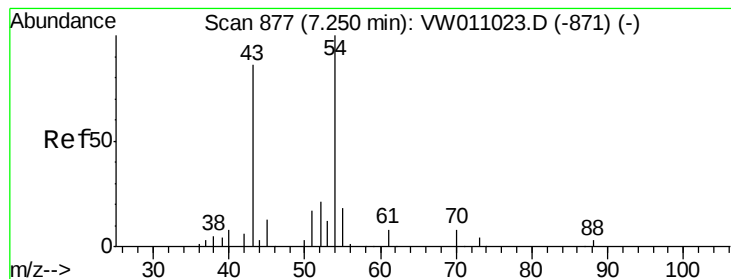
MMDadoda
 7/2/2019 3:52:35 PM



#36
 1,1-Dichloropropene
 Concen: 22.021 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.9	15.5	46.5	
77	31.0	24.9	37.3	





#37

Ethyl Acetate

Concen: 20.010 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

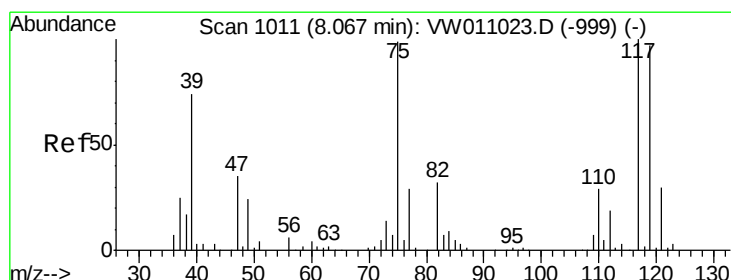
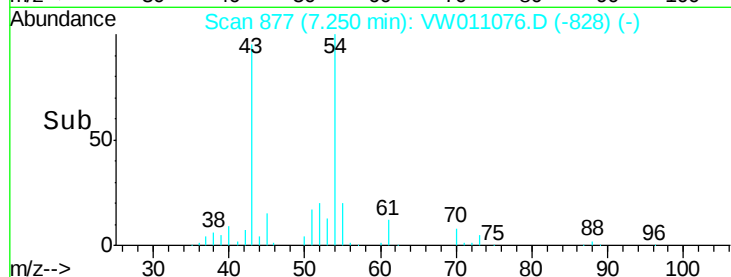
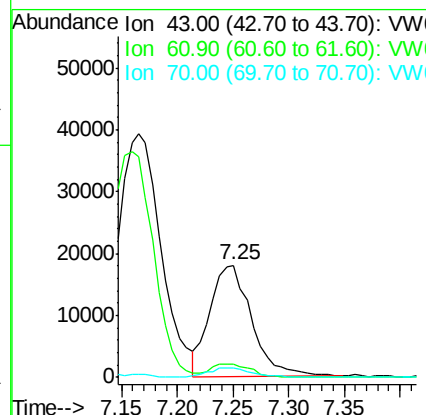
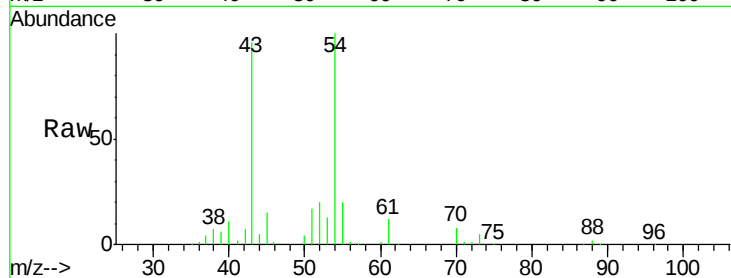
ClientSampled :

VW0701SBS01

Tot Ion:	43	Resp:	46755
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.0	13.4
70	8.8	7.2	10.8

Manual Integrations
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MMDadoda
7/2/2019 3:52:35 PM



#38

Carbon Tetrachloride

Concen: 22.408 ug/l

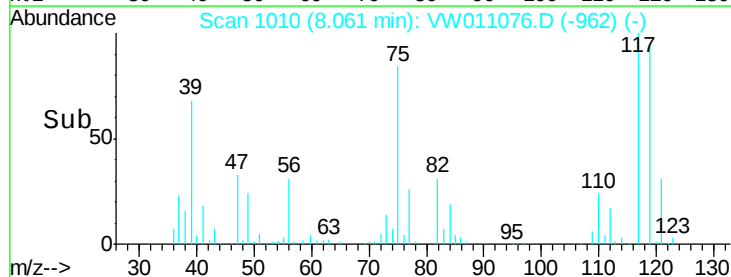
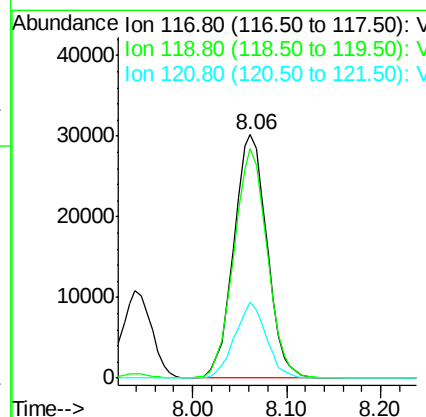
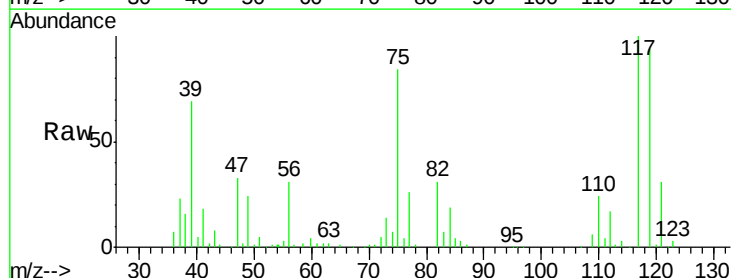
RT: 8.06 min Scan# 1010

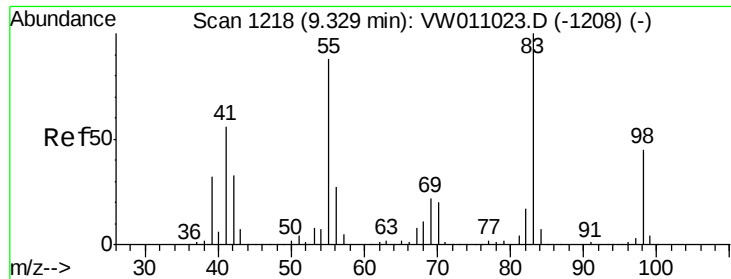
Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	117	Resp:	74119
Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.7	116.5
121	31.3	23.9	35.9





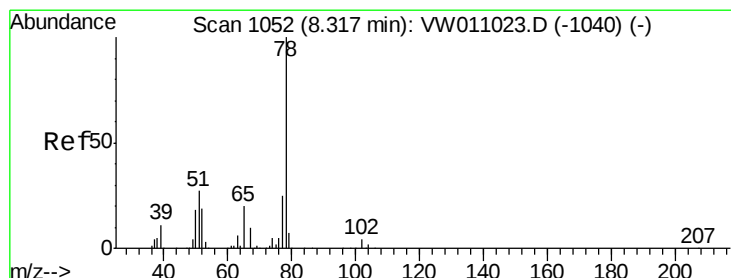
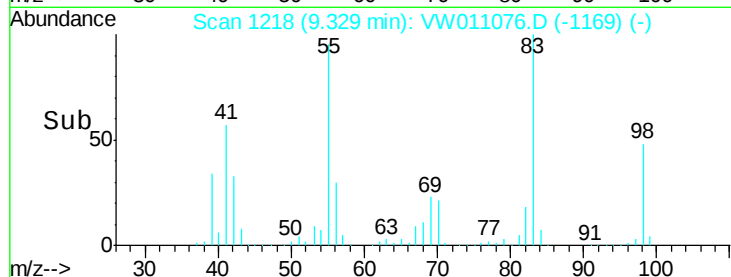
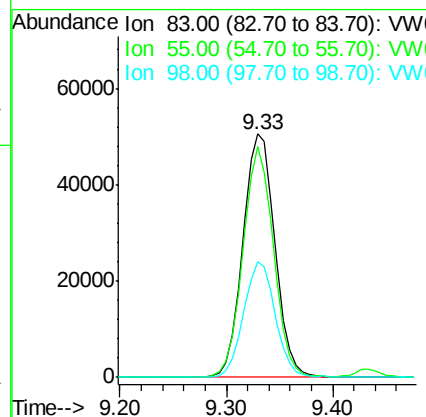
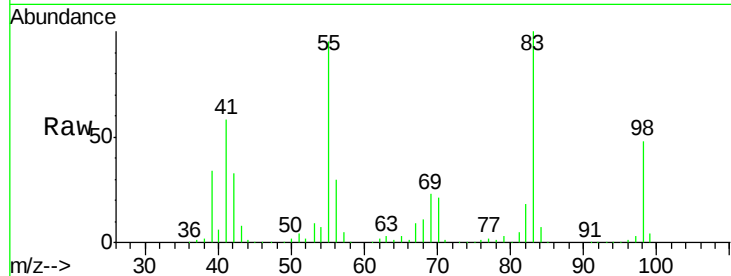
#39
Methvlcvclohexane
Concen: 21.632 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	83	Resp	106927
Ion Ratio	Lower	Upper	
83	100		
55	94.5	70.7	106.1
98	47.7	36.4	54.6

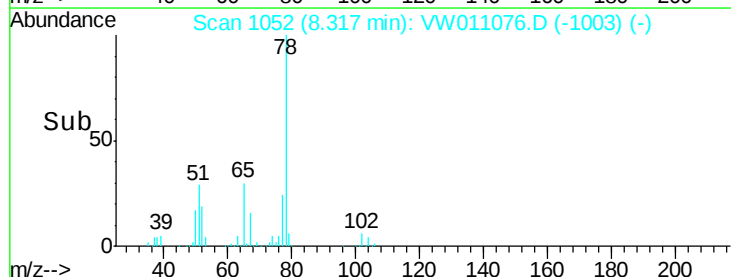
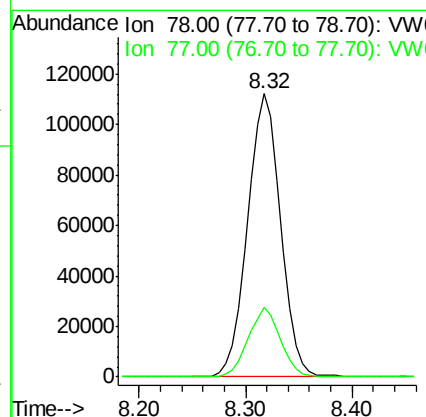
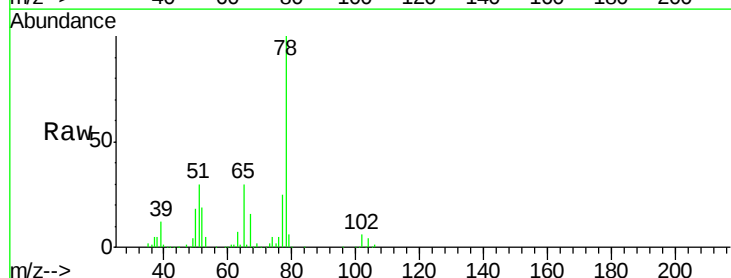
Manual Integrations
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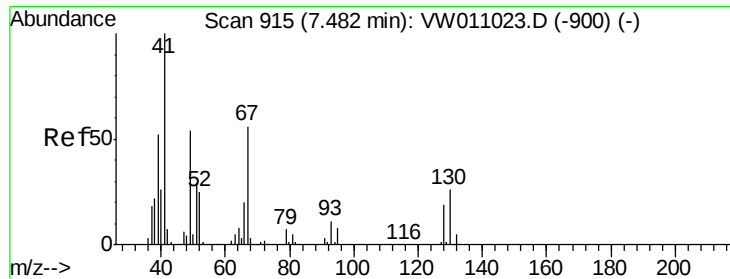
MMDadoda
7/2/2019 3:52:35 PM



#40
Benzene
Concen: 22.074 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	78	Resp	243856
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.7	29.5





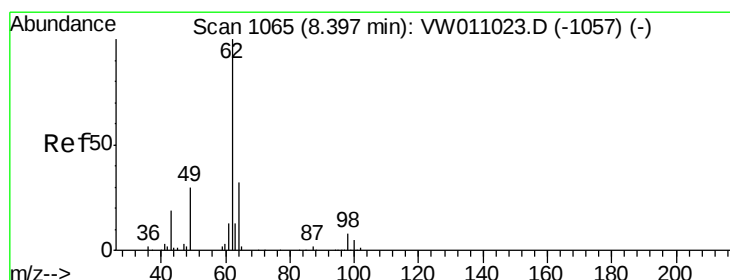
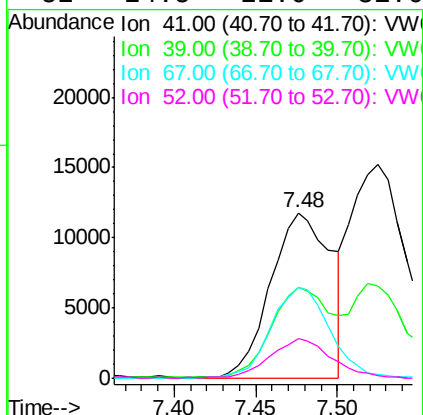
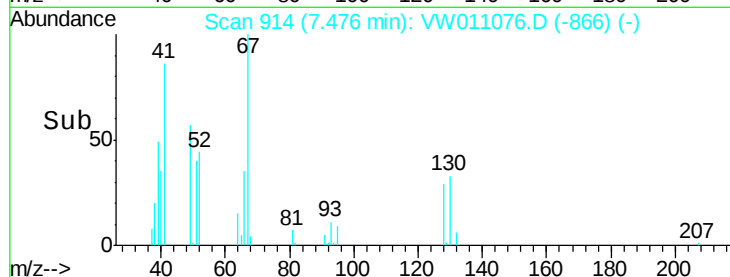
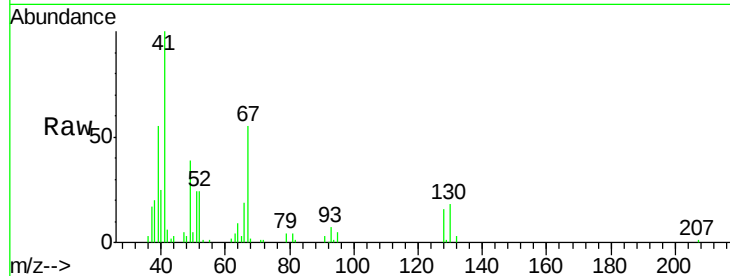
#41
Methacrylonitrile
Concen: 21.455 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		30499		
39	52.1	42.1	63.1		
67	53.8	44.2	66.2		
52	24.5	21.0	31.6		

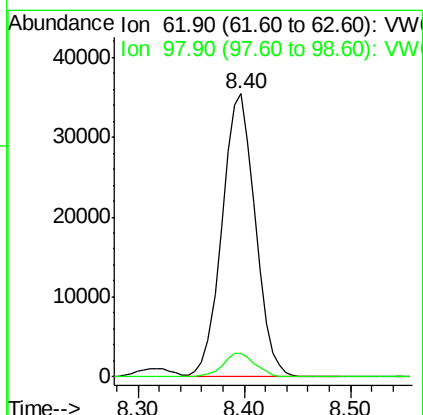
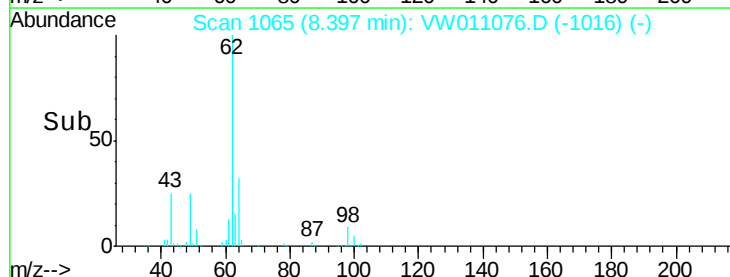
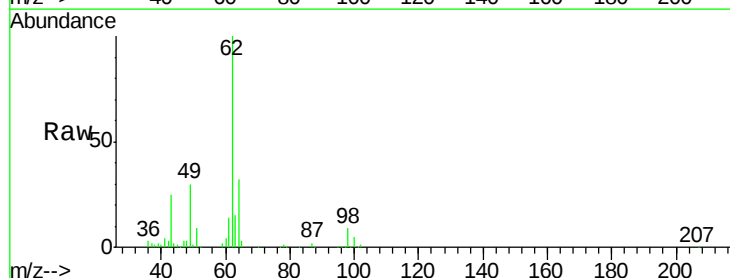
Manual Integrations
APPROVED

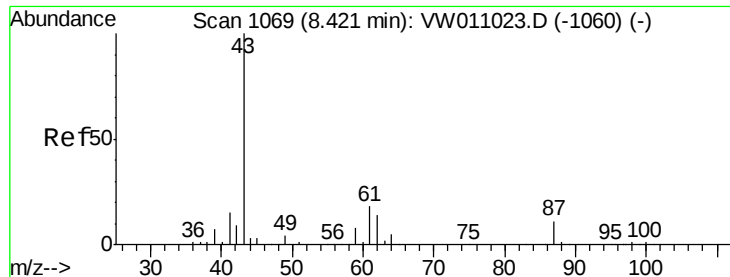
MMDadoda
7/2/2019 3:52:35 PM



#42
1,2-Dichloroethane
Concen: 21.315 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		77205		
98	8.4	0.0	16.8		





#43

Isopropyl Acetate

Concen: 20.134 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

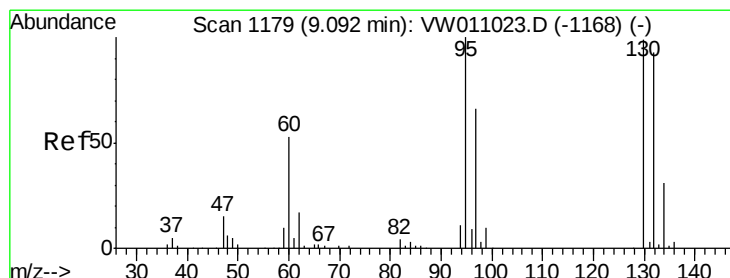
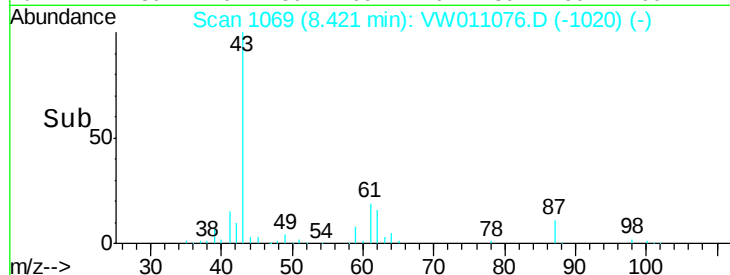
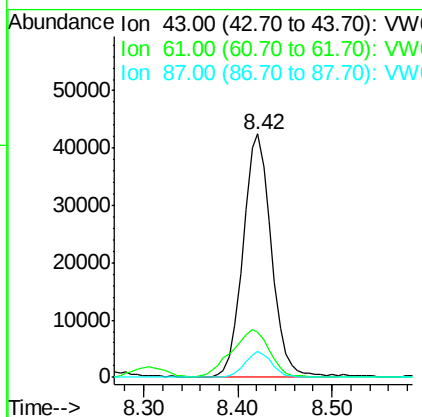
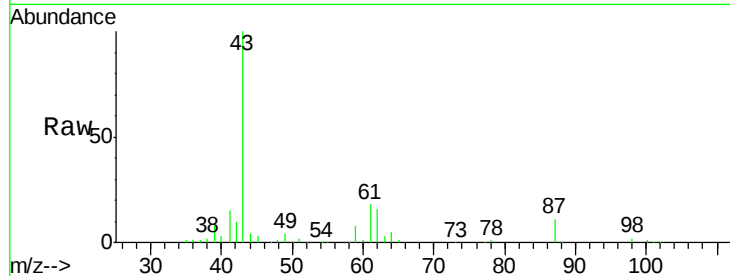
ClientSampleId :

VW0701SBS01

Tot Ion:	43	Resp:	88995
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.0	31.6
87	10.4	8.2	12.4

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#44

Trichloroethene

Concen: 21.700 ug/l

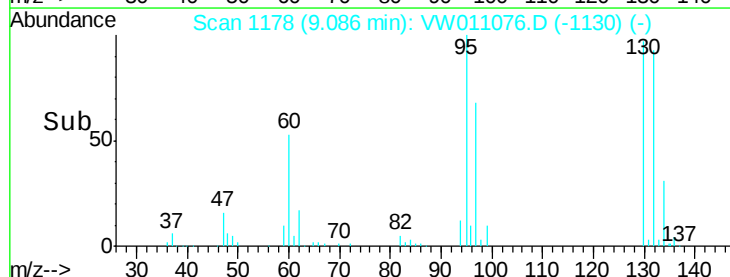
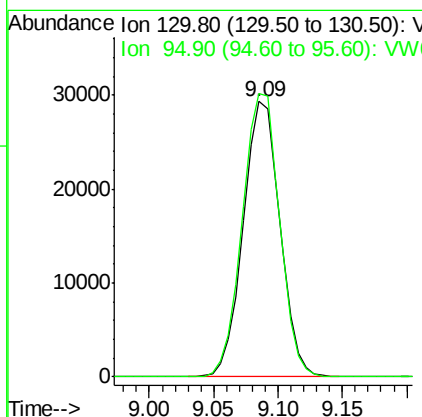
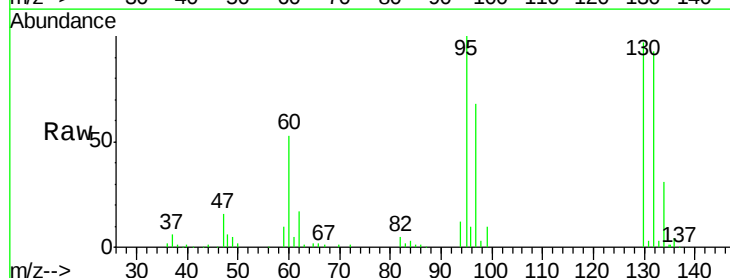
RT: 9.09 min Scan# 1178

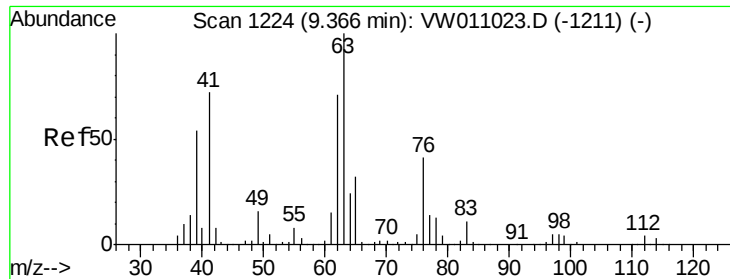
Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	130	Resp:	57934
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	202.0





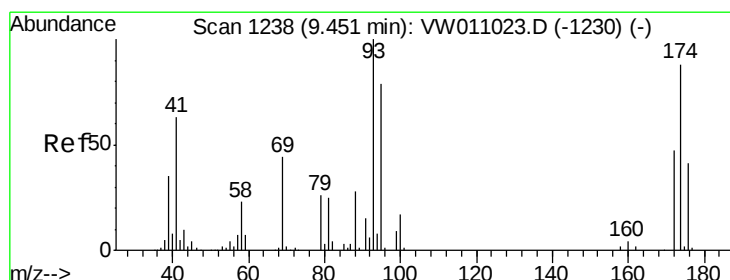
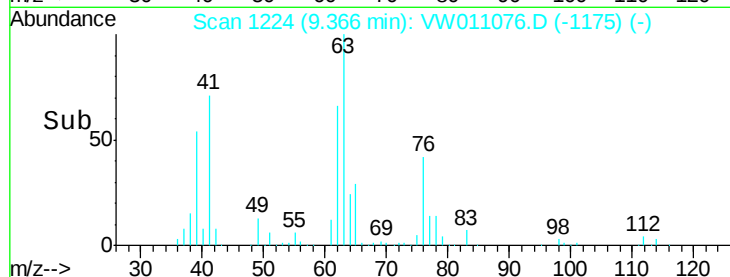
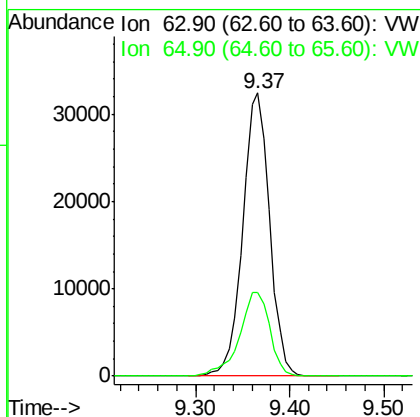
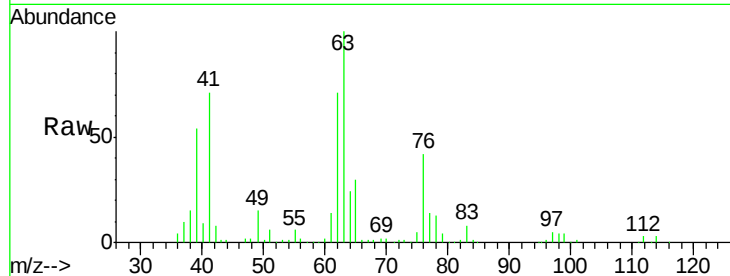
#45
 1,2-Dichloropropane
 Concen: 21.509 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion: 63 Resp: 64525
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.6 38.4

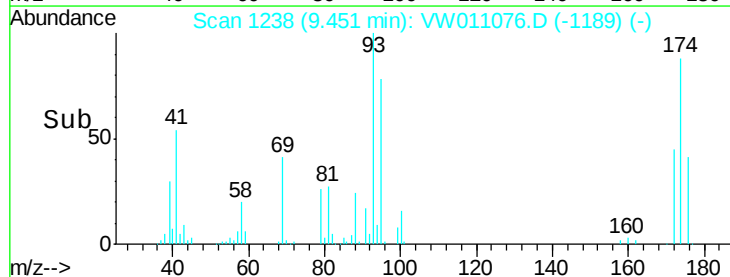
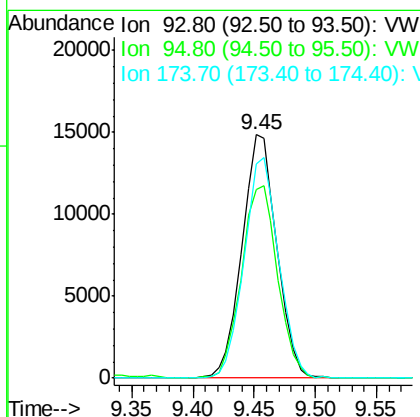
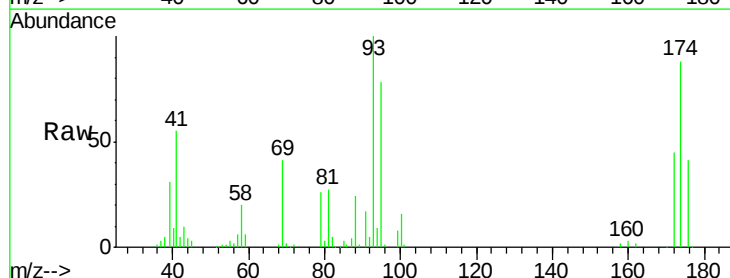
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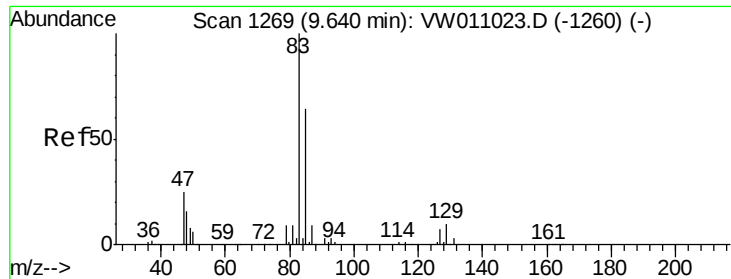
MMDadoda
 7/2/2019 3:52:35 PM



#46
 Dibromomethane
 Concen: 20.936 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 93 Resp: 29374
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.8 98.6
 174 90.0 75.4 113.0





#47

Bromodichloromethane

Concen: 21.336 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

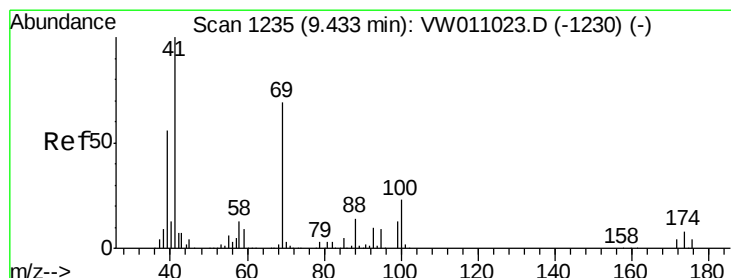
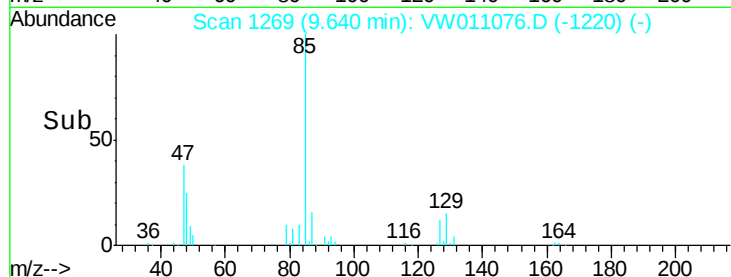
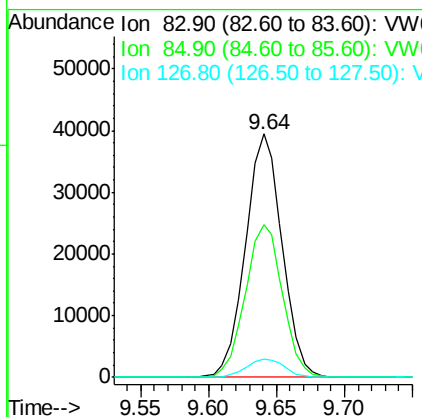
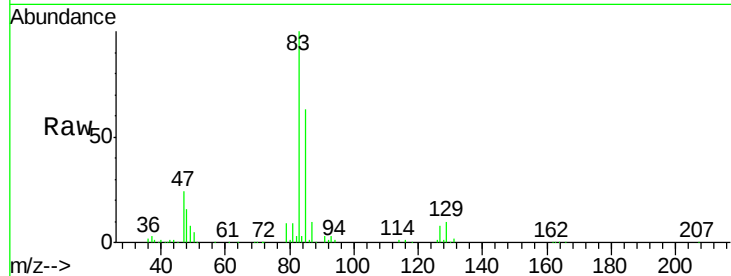
ClientSampleId :

VW0701SBS01

Tot Ion:	83	Resp:	74114
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.0	76.4
127	7.7	5.8	8.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.897 ug/l

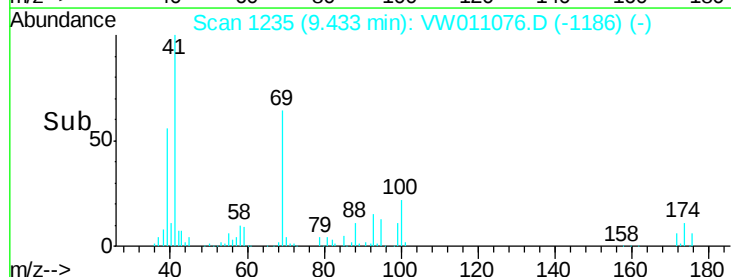
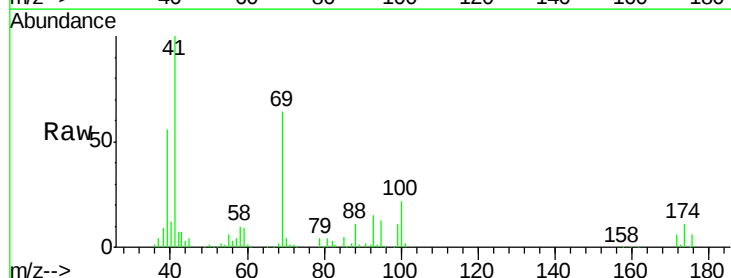
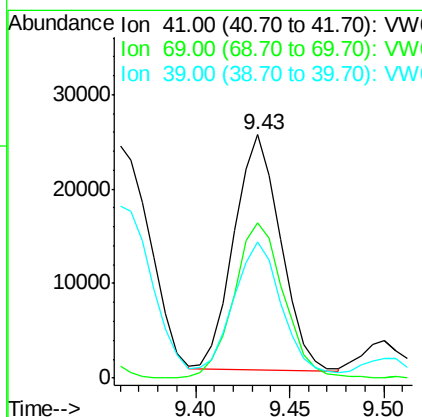
RT: 9.43 min Scan# 1235

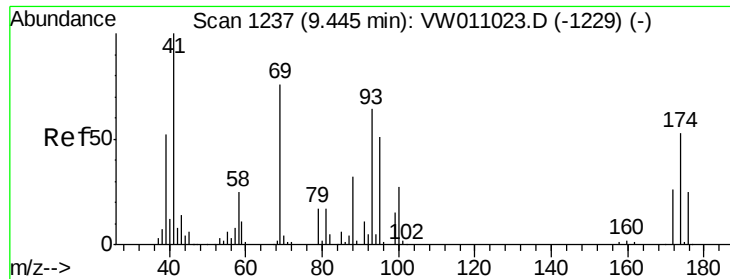
Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	41	Resp:	42643
Ion	Ratio	Lower	Upper
41	100		
69	69.8	56.7	85.1
39	61.1	45.0	67.6





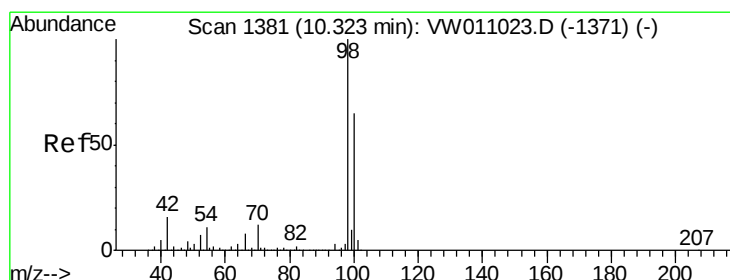
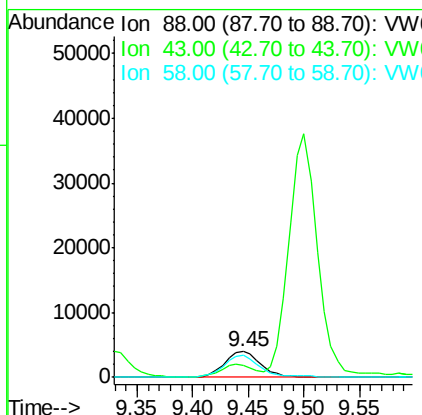
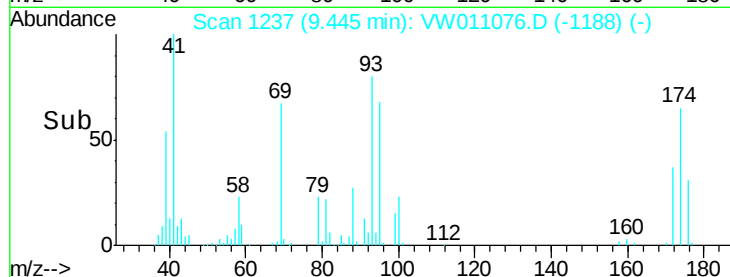
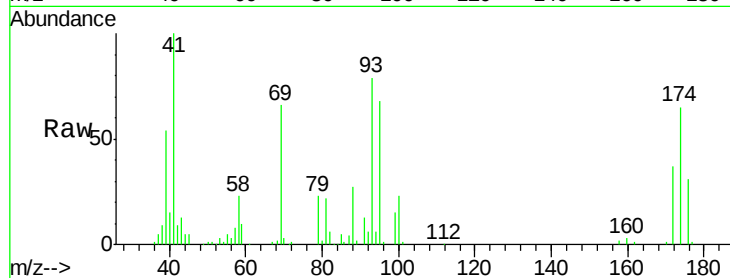
#49
1,4-Dioxane
Concen: 375.416 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.8	34.4	51.6
58	86.9	65.2	97.8

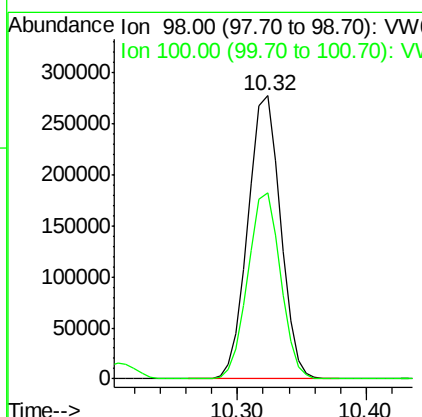
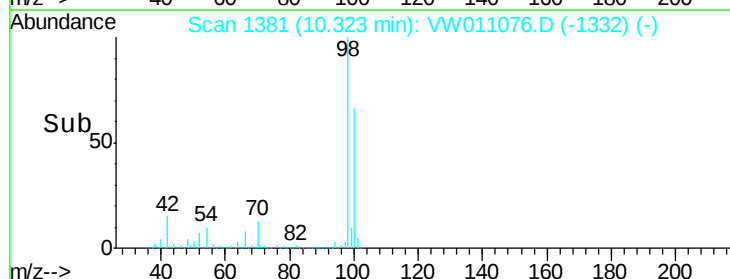
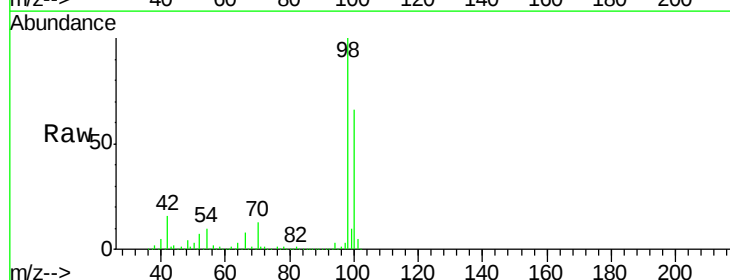
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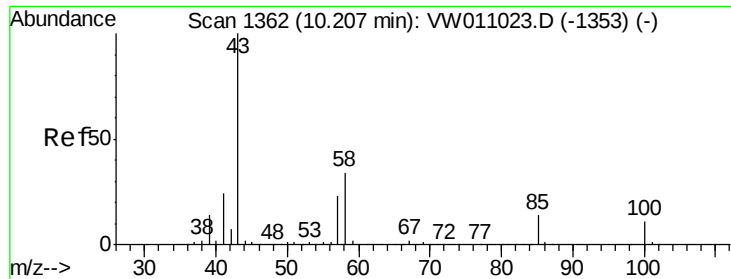
MMDadoda
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#50
Toluene-d8
Concen: 51.675 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 98.153 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampled :

VW0701SBS01

Tot Ion: 43 Resp: 228375

Ion Ratio Lower Upper

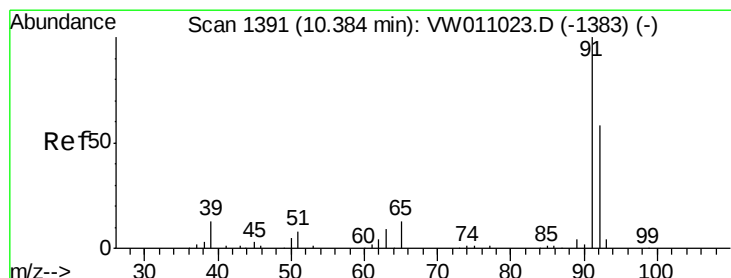
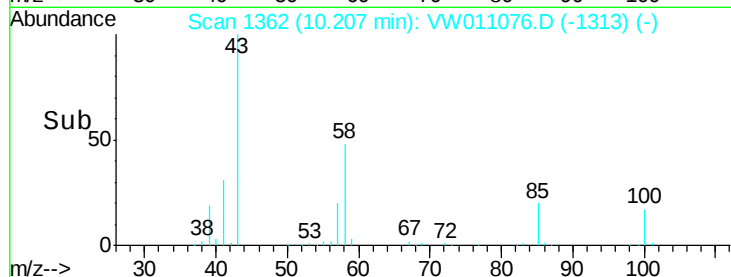
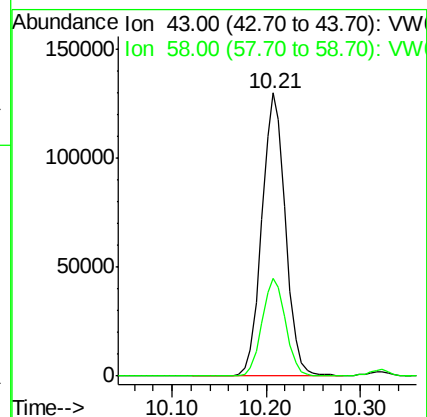
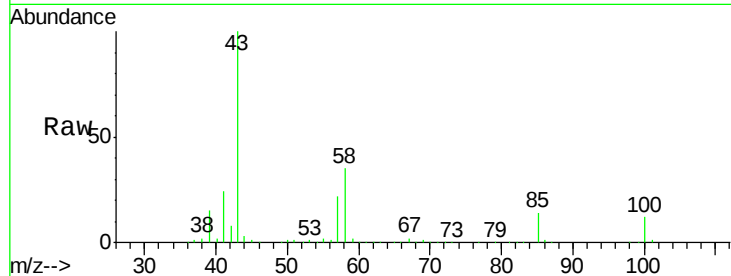
43 100

58 34.8 27.8 41.6

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#52

Toluene

Concen: 21.838 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011076.D

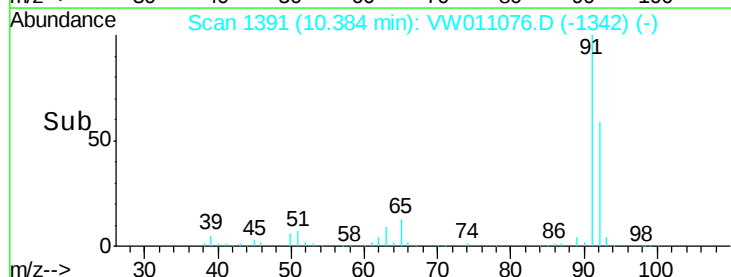
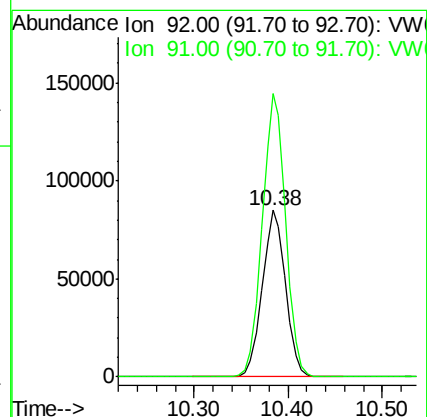
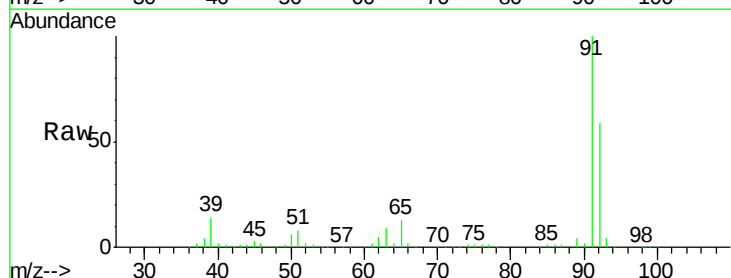
Acq: 01 Jul 2019 11:20

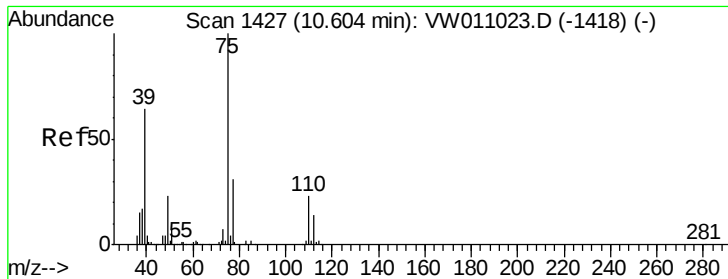
Tgt Ion: 92 Resp: 147696

Ion Ratio Lower Upper

92 100

91 170.3 136.9 205.3





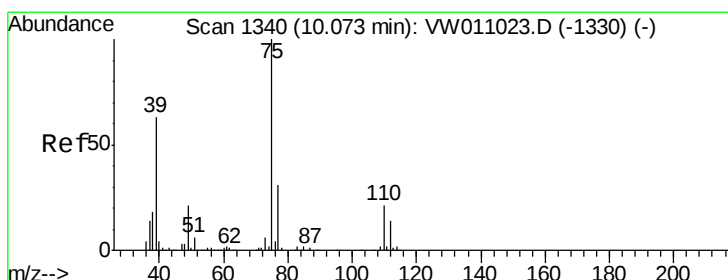
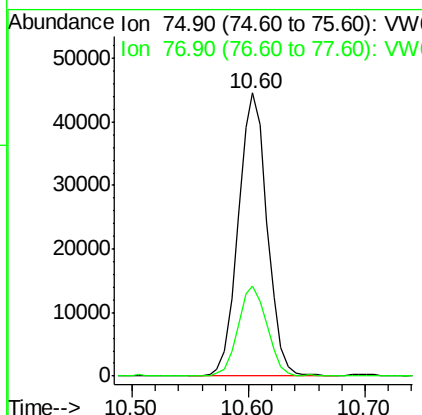
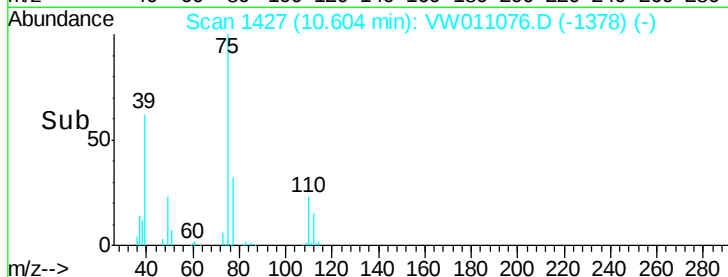
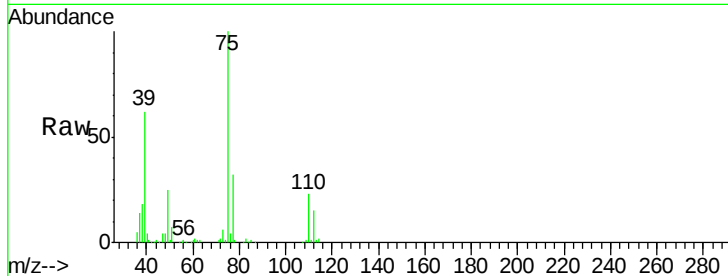
#53
t-1,3-Dichloropropene
Concen: 21.182 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 75 Resp: 76638
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

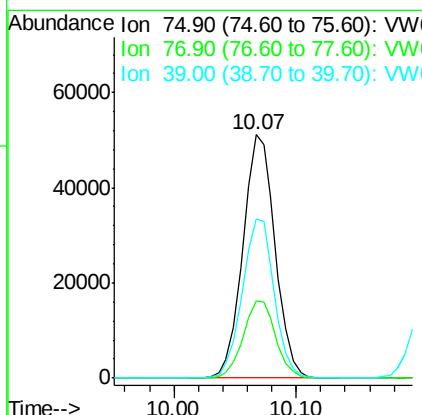
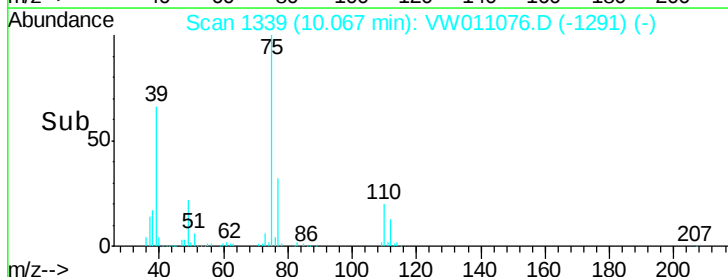
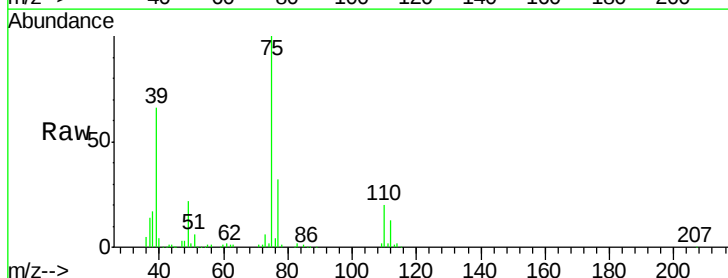
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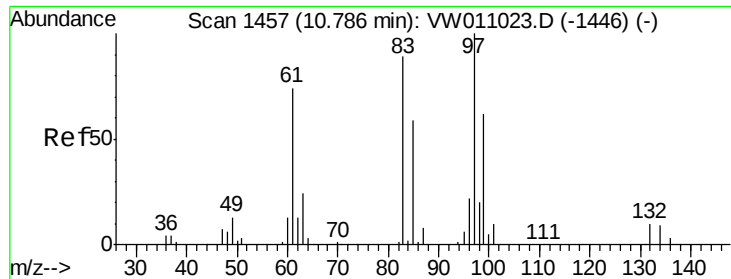
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#54
cis-1,3-Dichloropropene
Concen: 21.504 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 75 Resp: 92811
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2
39 65.5 50.0 75.0





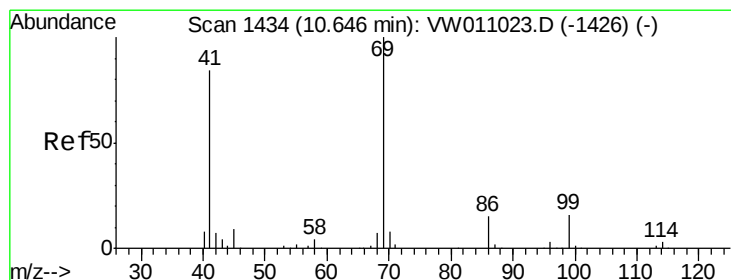
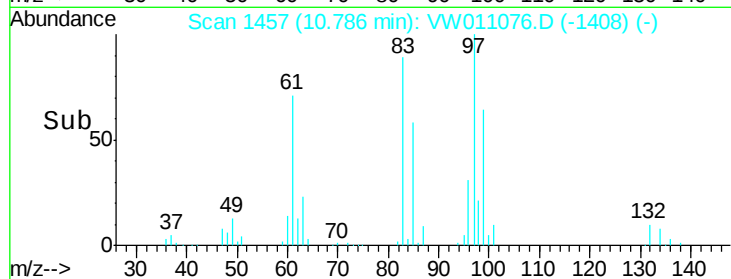
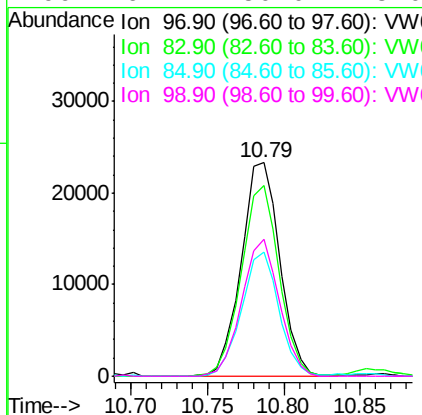
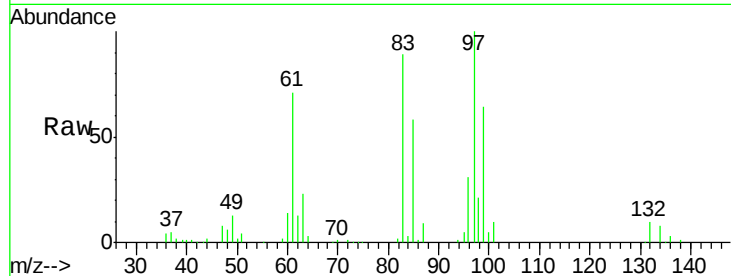
#55
 1,1,2-Trichloroethane
 Concen: 20.671 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion:	97	Resp:	40974
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.9	106.3
85	58.3	47.2	70.8
99	64.1	50.0	75.0

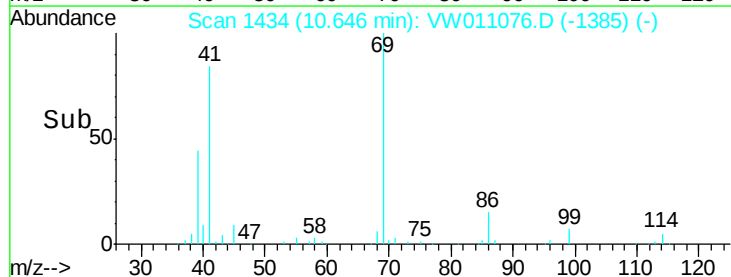
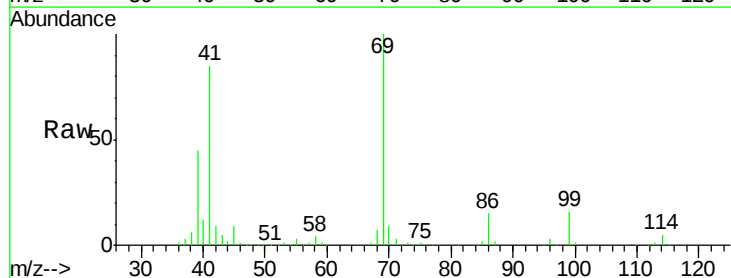
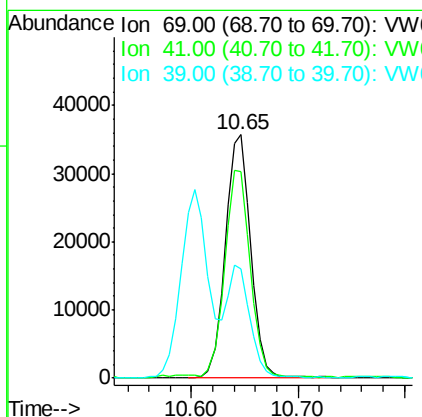
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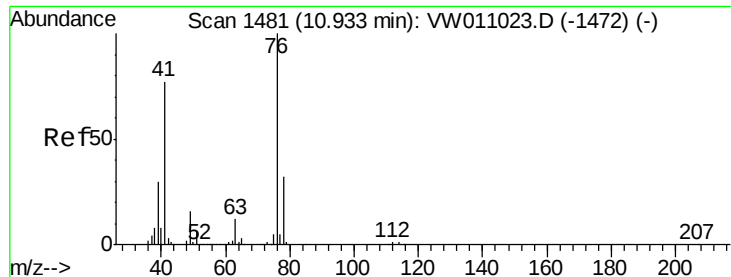
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 7/2/2019 3:52:35 PM



#56
 Ethyl methacrylate
 Concen: 20.085 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion:	69	Resp:	59618
Ion	Ratio	Lower	Upper
69	100		
41	86.9	67.9	101.9
39	40.3	33.2	49.8





#57

1,3-Dichloropropane

Concen: 20.741 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 76 Resp: 78204

Ion Ratio Lower Upper

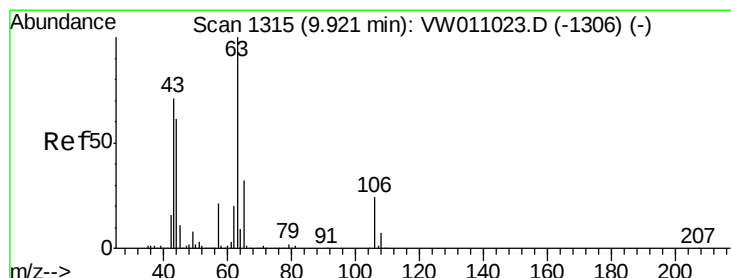
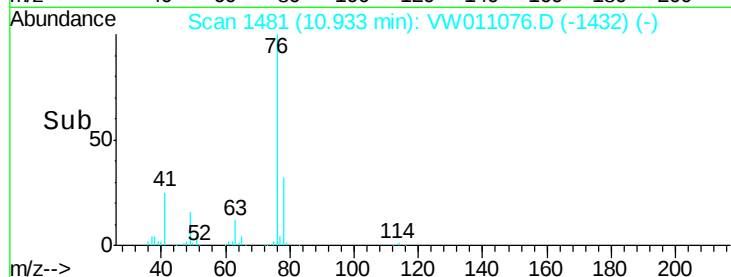
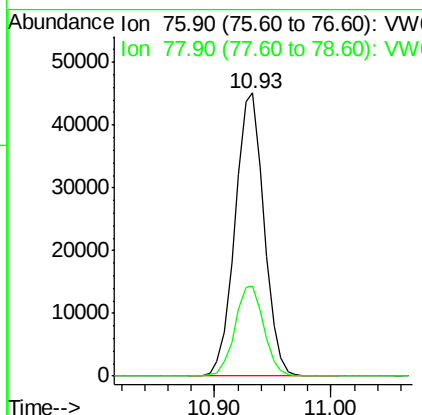
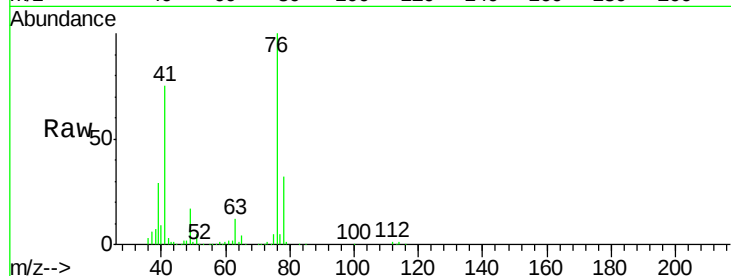
76 100

78 32.0 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 102.169 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011076.D

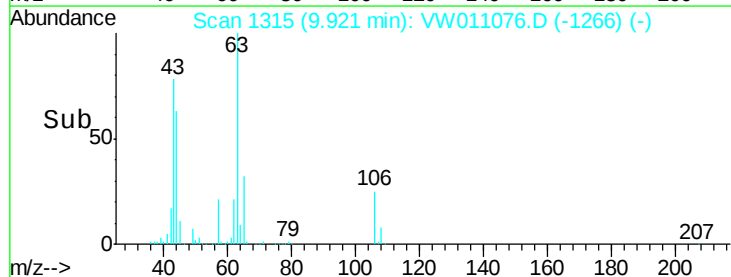
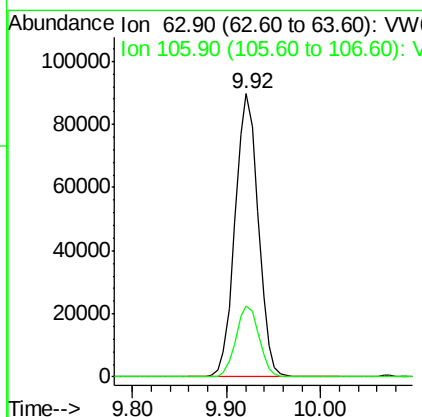
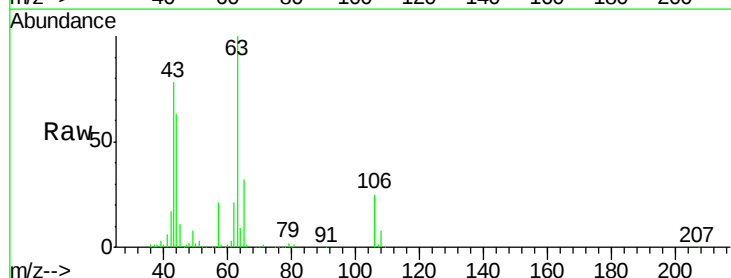
Acq: 01 Jul 2019 11:20

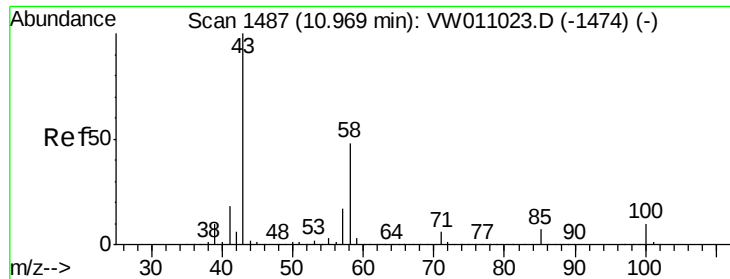
Tgt Ion: 63 Resp: 153441

Ion Ratio Lower Upper

63 100

106 24.9 19.4 29.0





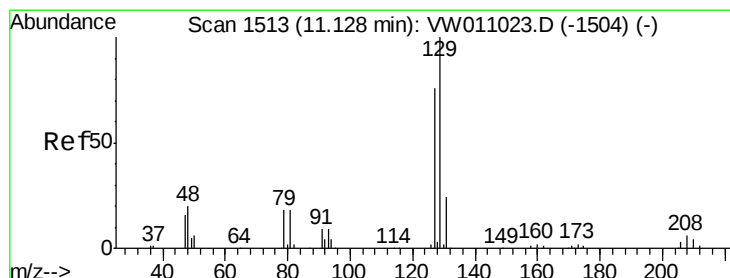
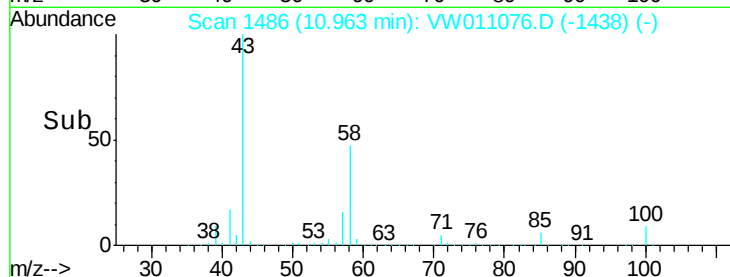
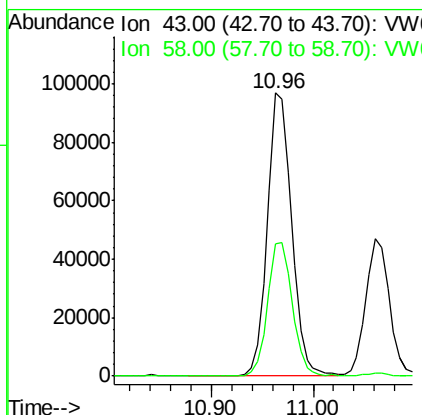
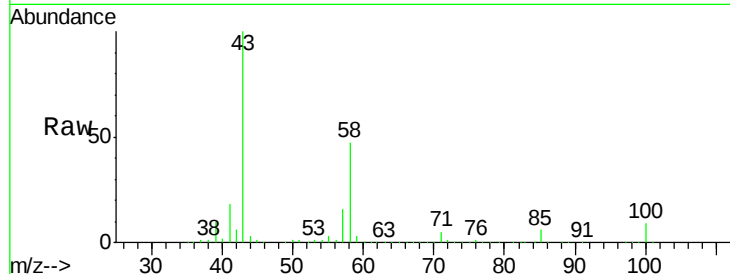
#59
2-Hexanone
Concen: 98.423 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 43 Resp: 159700
Ion Ratio Lower Upper
43 100
58 48.2 23.8 71.5

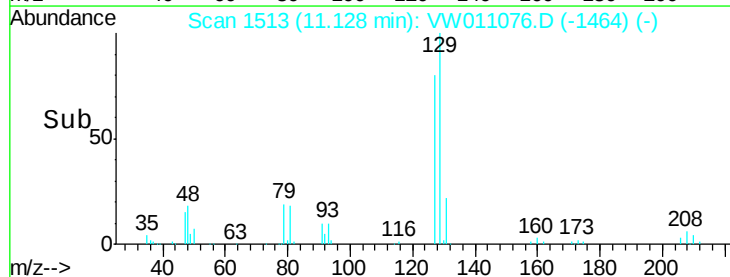
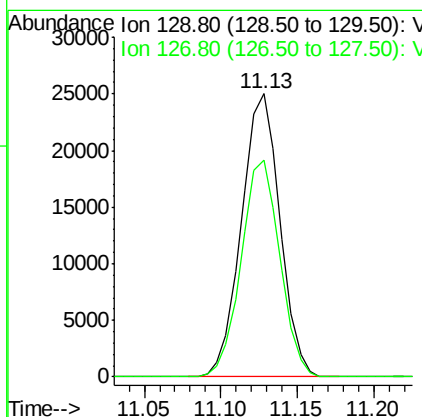
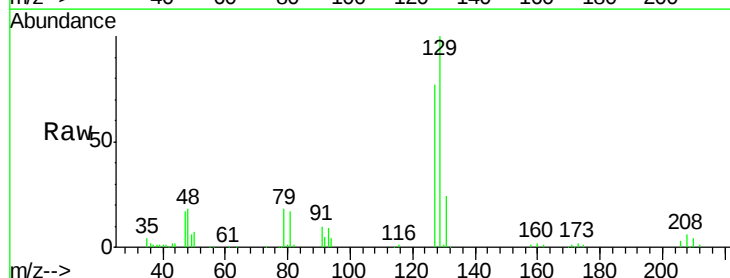
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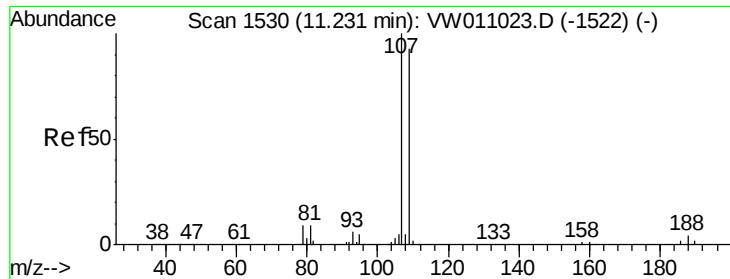
MMDadoda
7/2/2019 3:52:35 PM



#60
Dibromochloromethane
Concen: 21.034 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 129 Resp: 43722
Ion Ratio Lower Upper
129 100
127 77.1 39.4 118.1





#61

1,2-Dibromoethane

Concen: 20.419 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 107 Resp: 37891

Ion Ratio Lower Upper

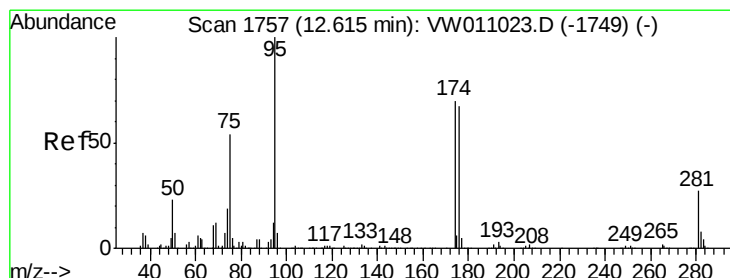
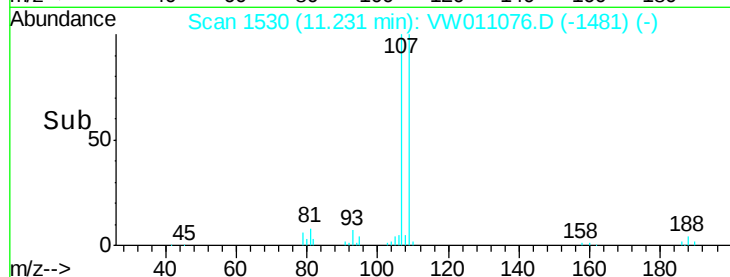
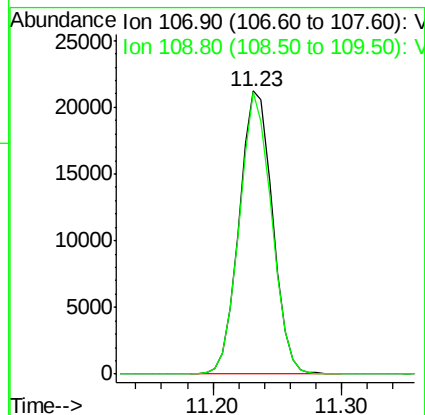
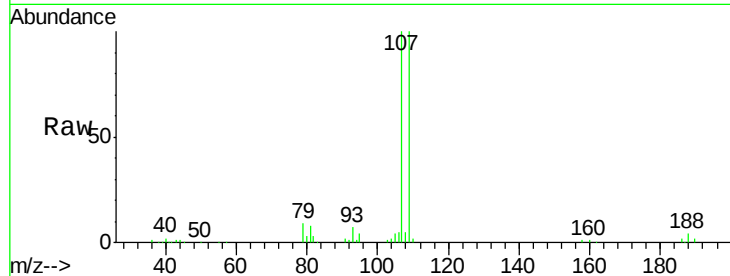
107 100

109 96.1 75.1 112.7

Manual Integrations
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7/2/2019 3:52:35 PM



#62

4-Bromofluorobenzene

Concen: 50.005 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

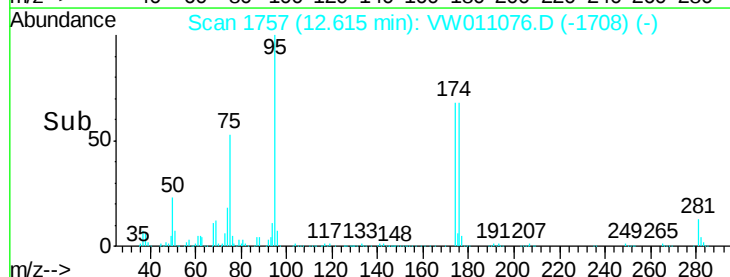
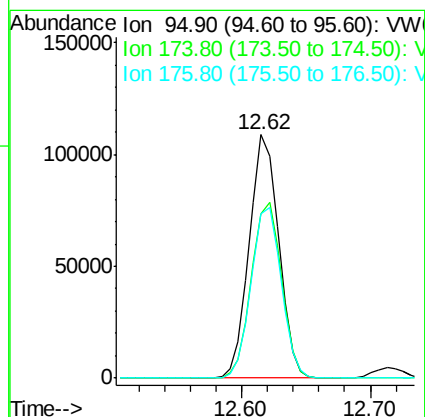
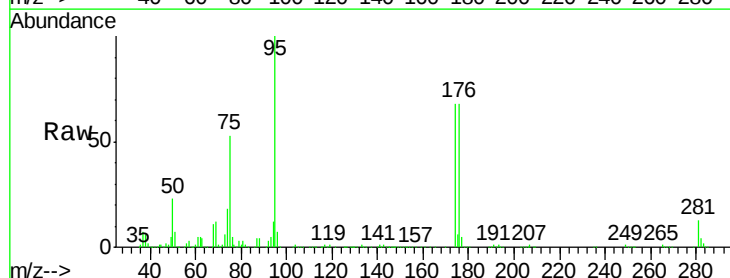
Tgt Ion: 95 Resp: 171787

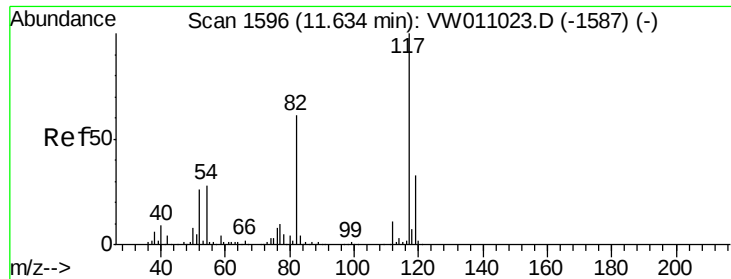
Ion Ratio Lower Upper

95 100

174 74.1 0.0 149.2

176 71.9 0.0 143.6





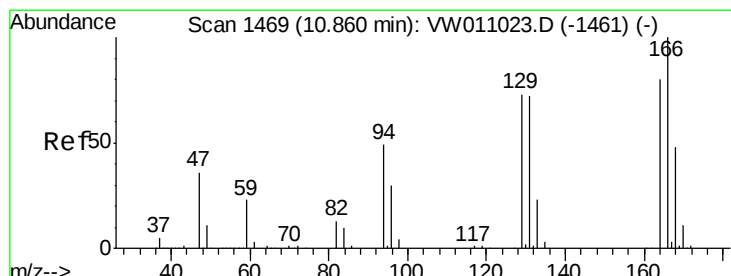
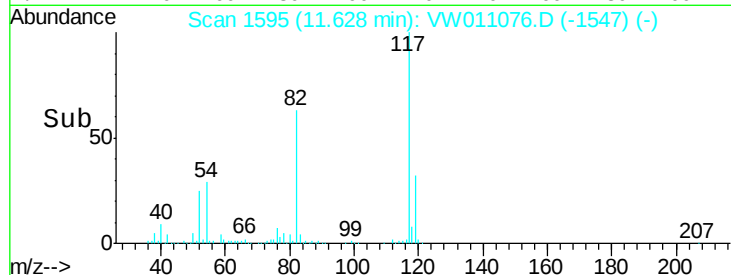
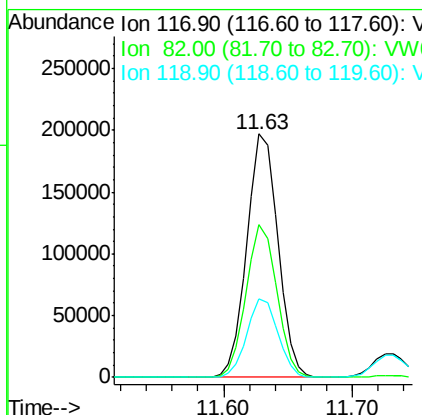
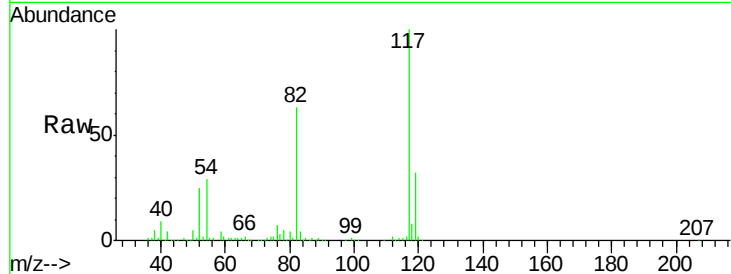
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.6	73.0
119	32.2	26.1	39.1

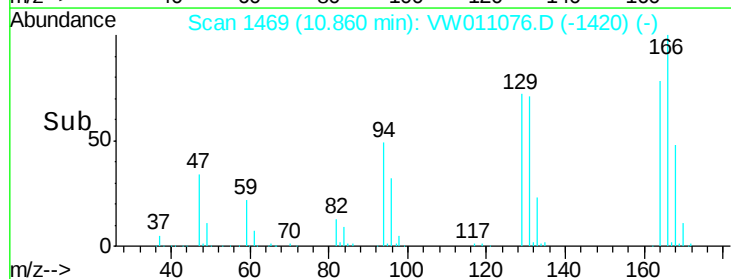
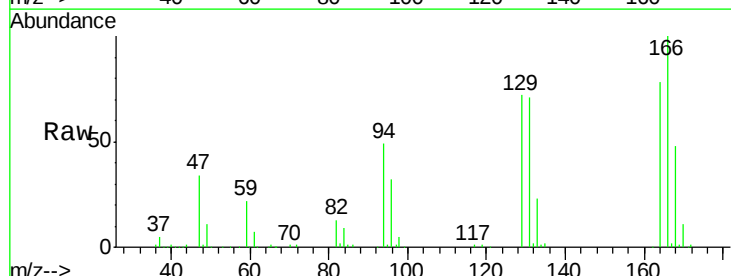
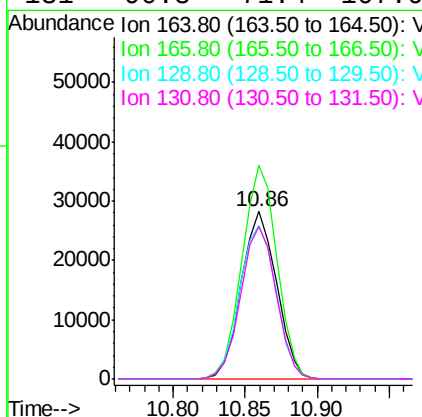
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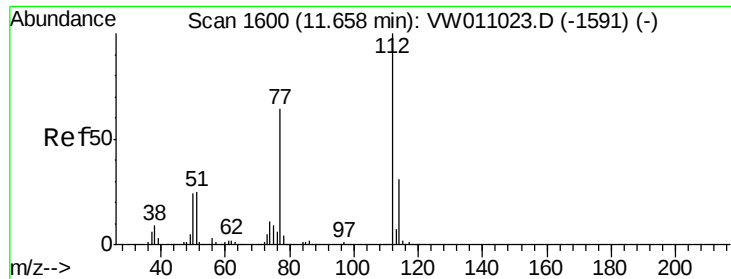
MMDadoda
7/2/2019 3:52:35 PM



#64
Tetrachloroethene
Concen: 21.259 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.8	149.6
129	91.5	73.0	109.4
131	90.8	71.4	107.0





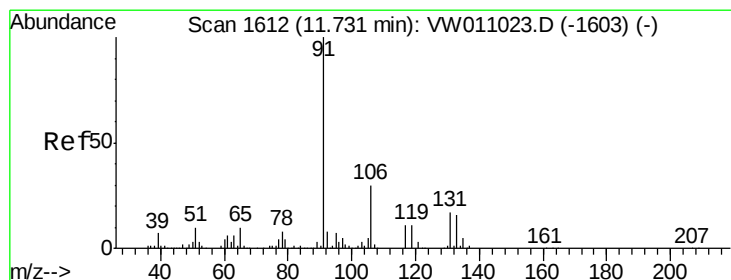
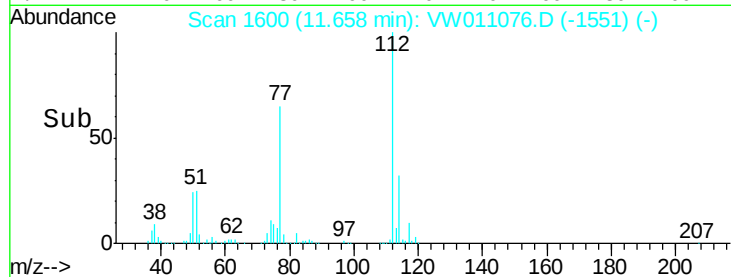
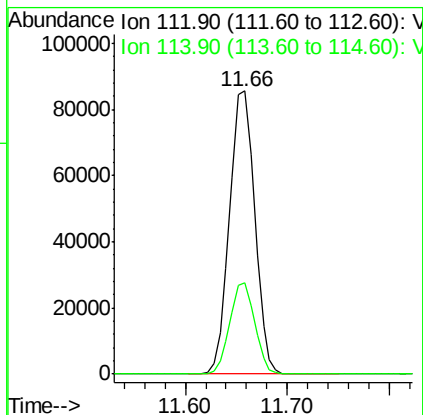
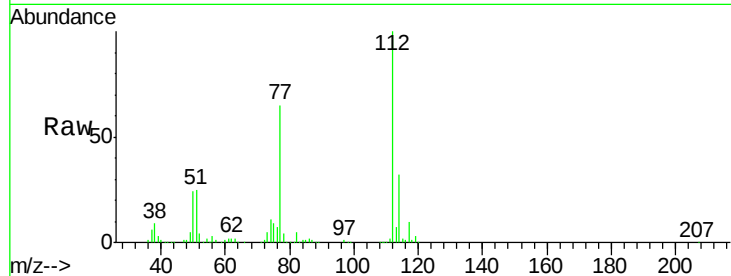
#65
Chlorobenzene
Concen: 21.806 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion:112 Resp: 146629
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8

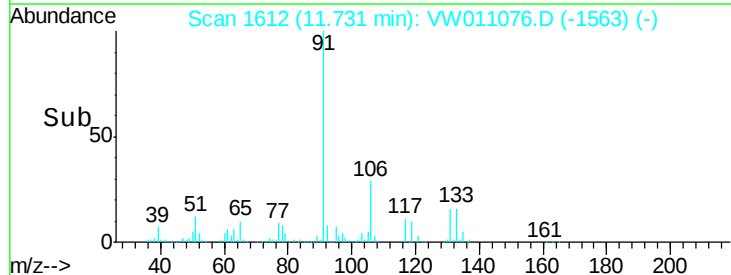
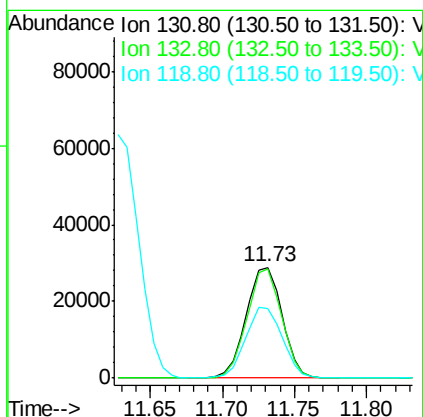
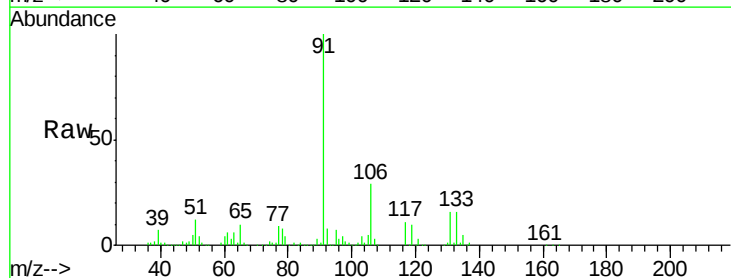
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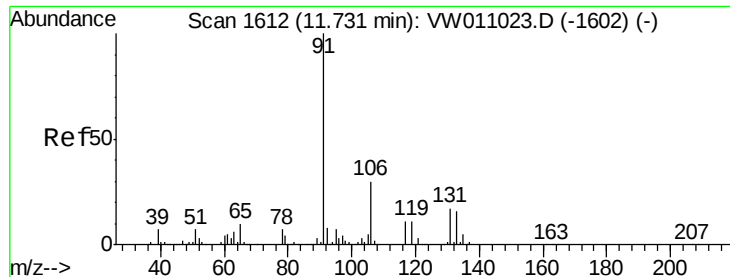
MMDadoda
7/2/2019 3:52:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.875 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:131 Resp: 49941
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 64.9 33.1 99.2





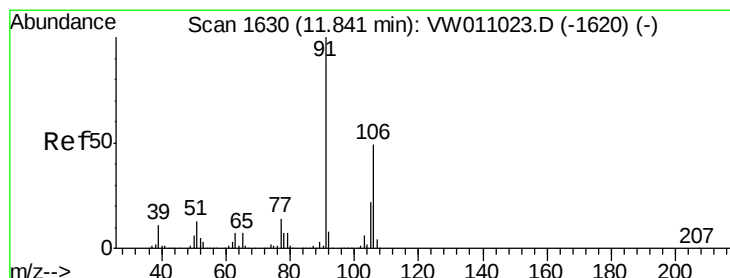
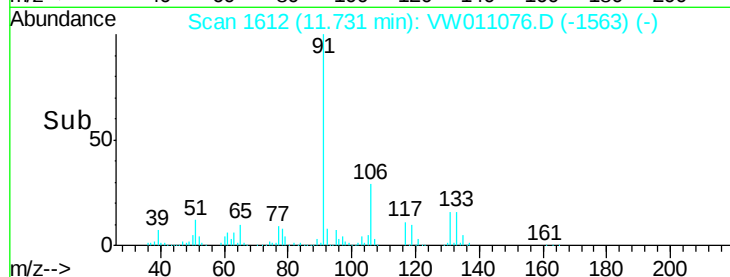
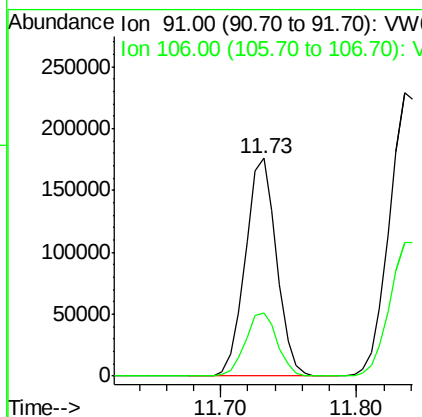
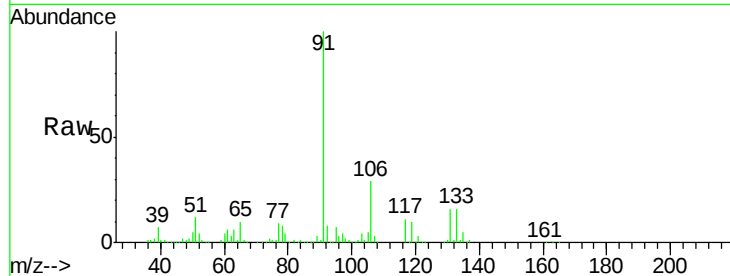
#67
Ethyl Benzene
Concen: 21.931 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 91 Resp: 282446
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6

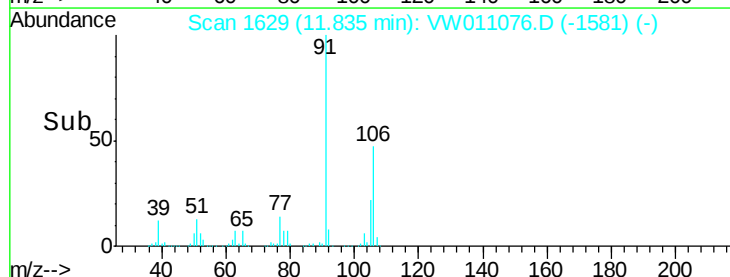
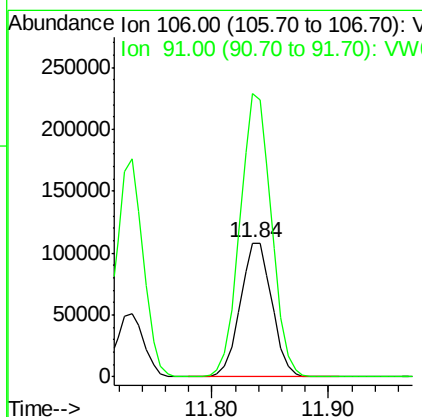
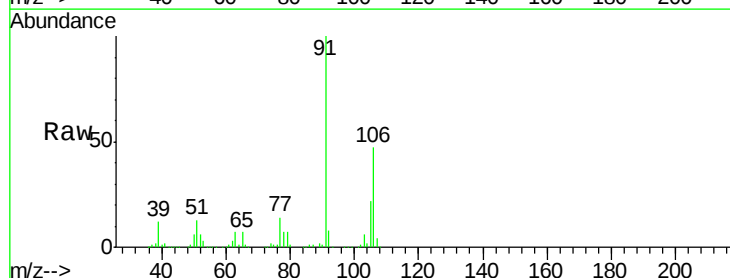
Manual Integrations
APPROVED

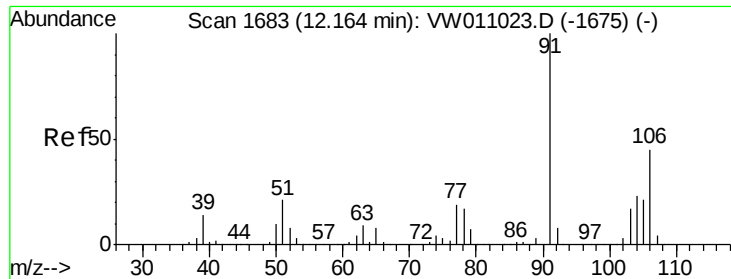
MMDadoda
7/2/2019 3:52:35 PM



#68
m/p-Xylenes
Concen: 43.853 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 106 Resp: 204942
Ion Ratio Lower Upper
106 100
91 209.7 167.5 251.3





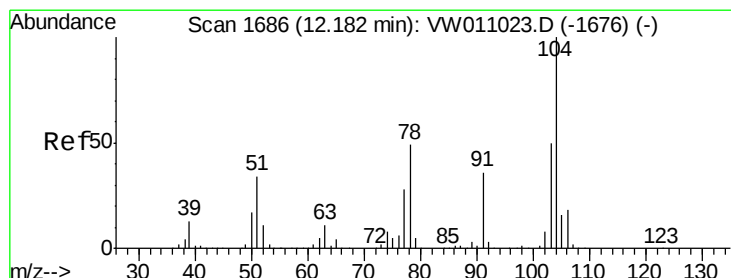
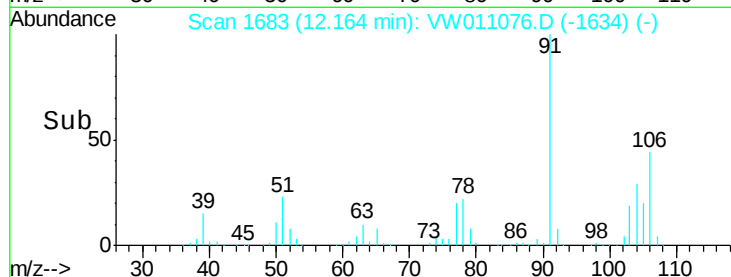
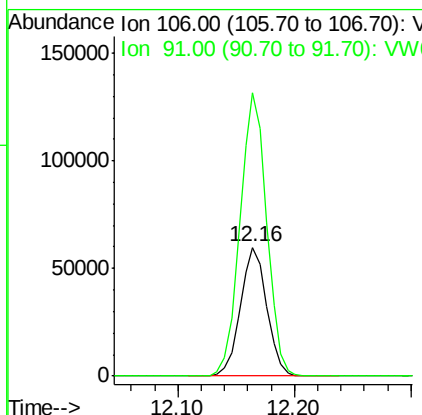
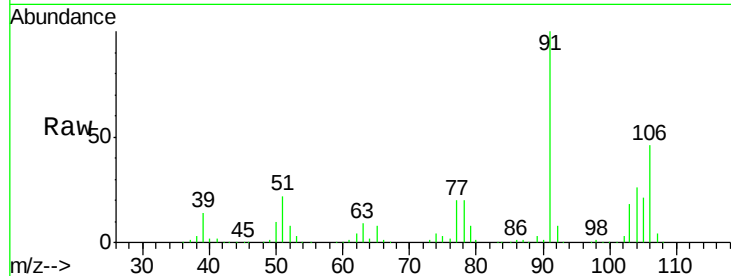
#69
o-Xylene
Concen: 21.699 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion:106 Resp: 94452
Ion Ratio Lower Upper
106 100
91 222.3 110.8 332.3

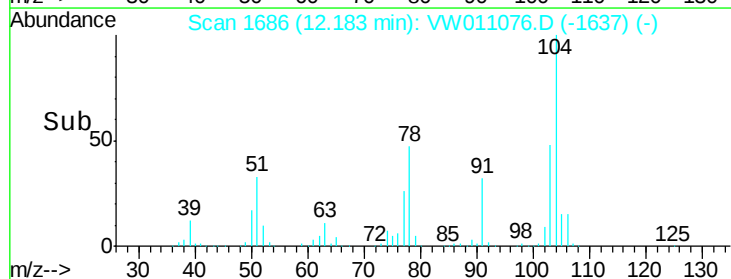
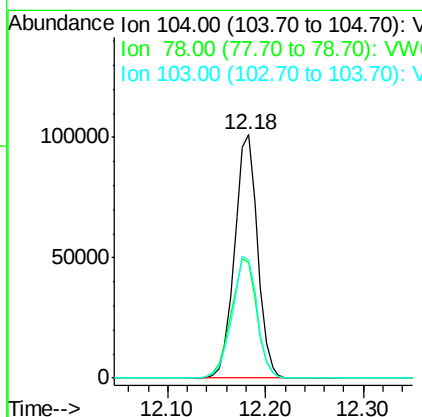
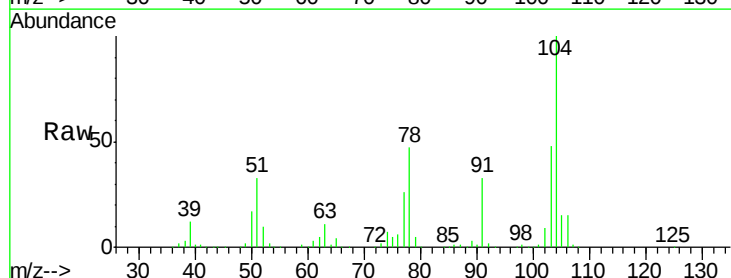
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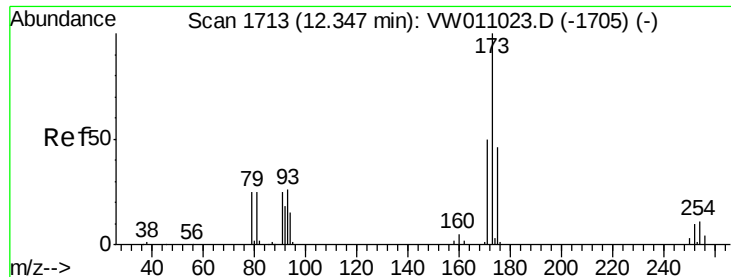
MMDadoda
7/2/2019 3:52:35 PM



#70
Styrene
Concen: 21.717 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:104 Resp: 164269
Ion Ratio Lower Upper
104 100
78 54.5 43.7 65.5
103 54.6 43.9 65.9





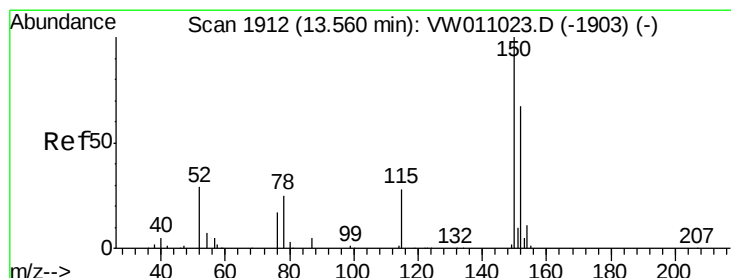
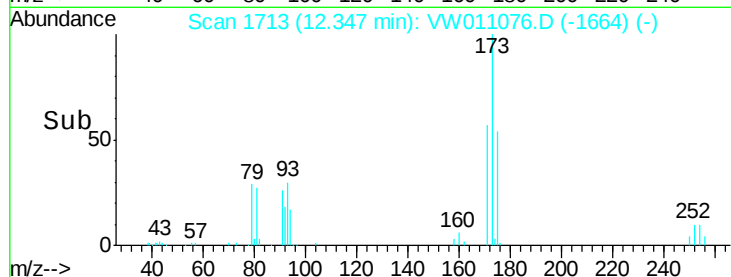
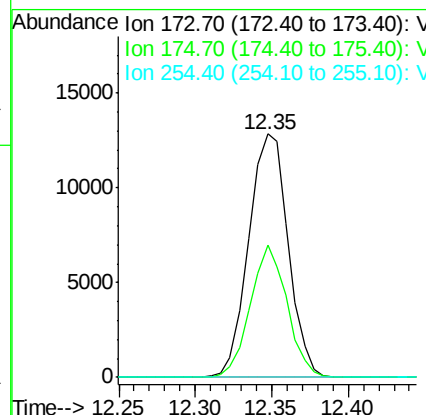
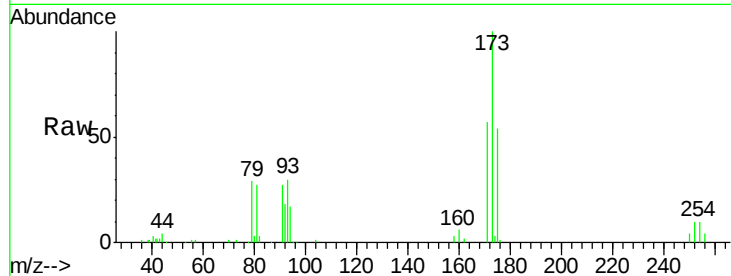
#71
Bromoform
Concen: 20.709 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		23049		
175	50.3	24.1	72.2		
254	0.0	0.0	0.0		

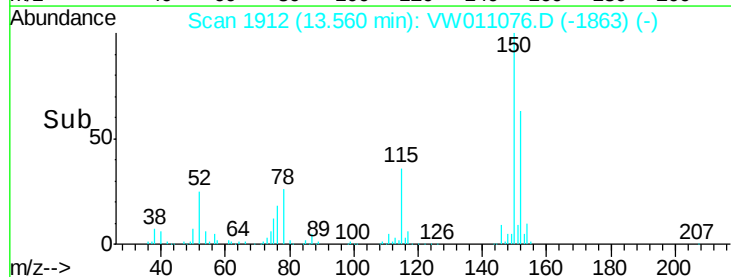
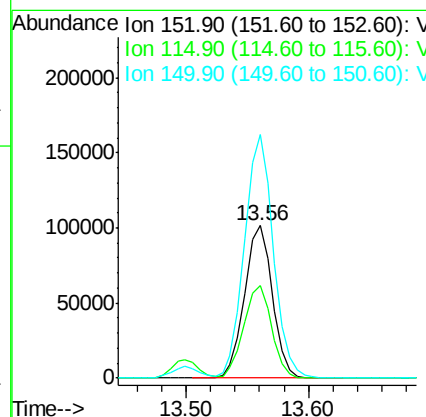
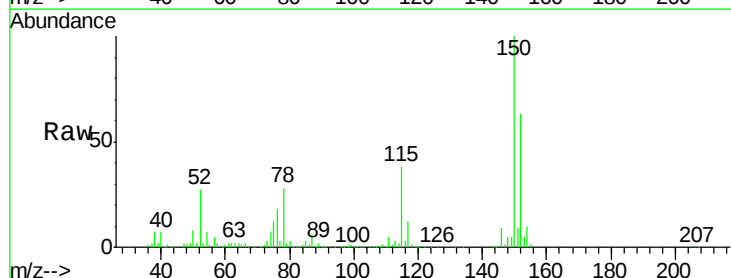
Manual Integrations
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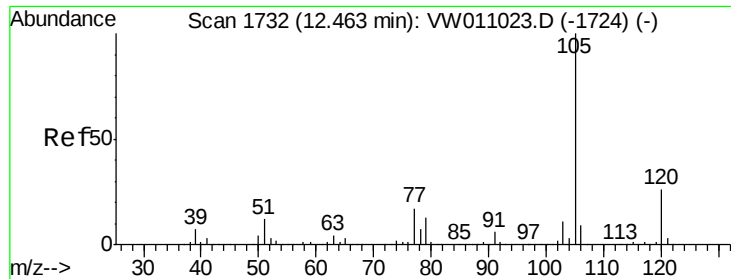
MMDadoda
7/2/2019 3:52:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		159706		
115	61.3	30.7	92.1		
150	165.9	0.0	341.8		





#73

Isopropylbenzene

Concen: 22.159 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion:105 Resp: 265119

Ion Ratio Lower Upper

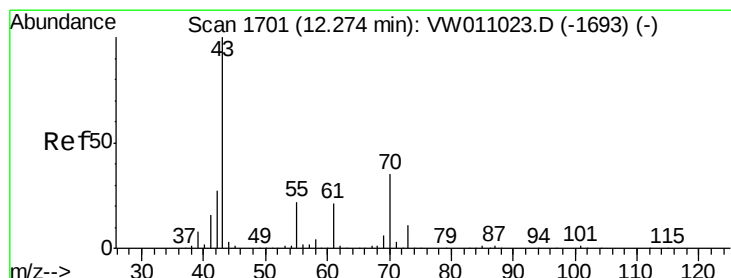
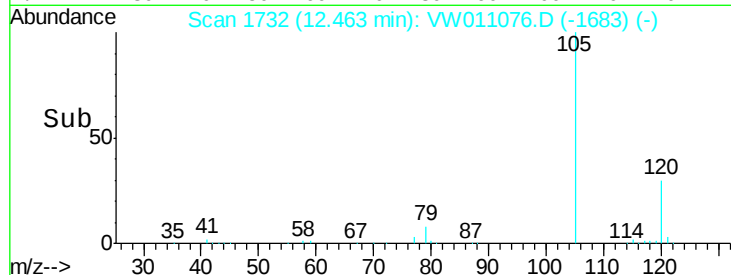
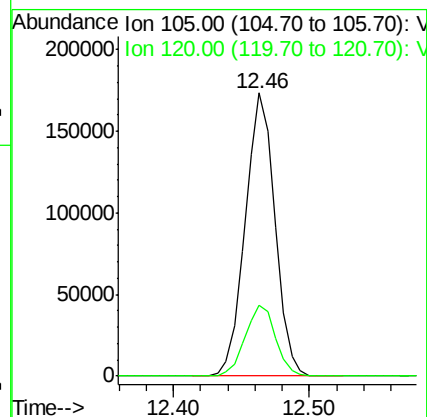
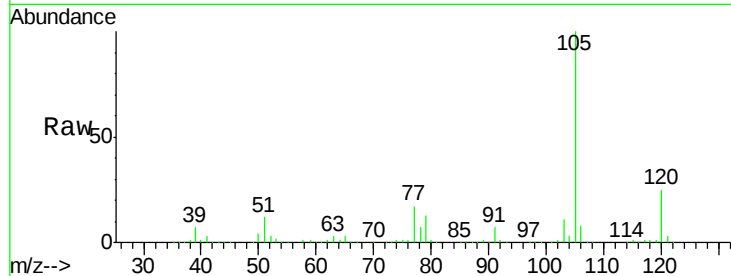
105 100

120 25.5 12.9 38.6

Manual Integrations
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MMDadoda

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#74

N-ethyl acetate

Concen: 20.577 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion: 43 Resp: 82679

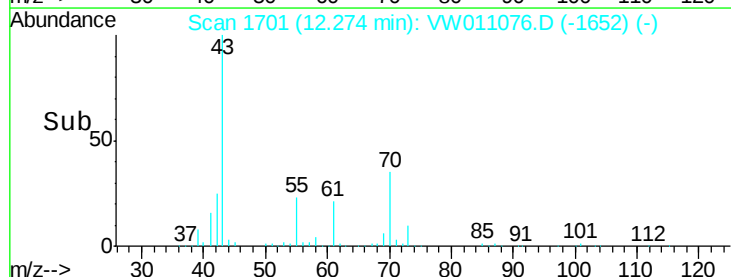
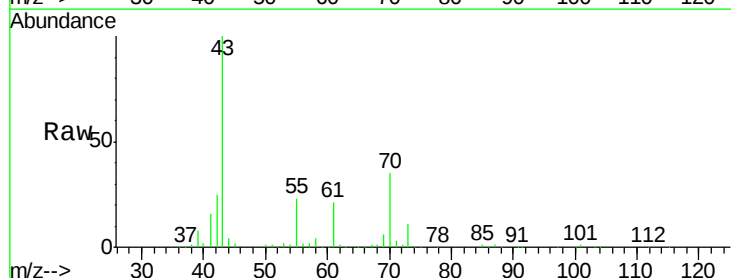
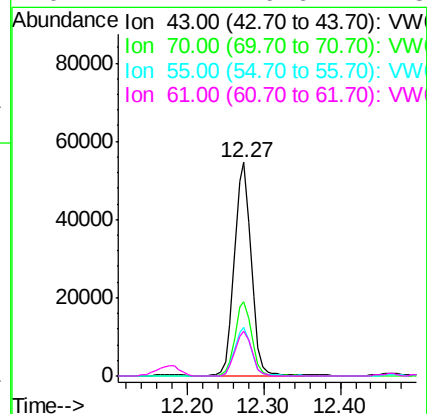
Ion Ratio Lower Upper

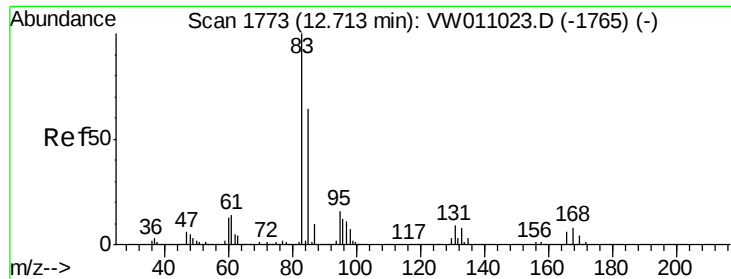
43 100

70 34.7 28.2 42.4

55 22.8 17.8 26.8

61 21.4 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.675 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

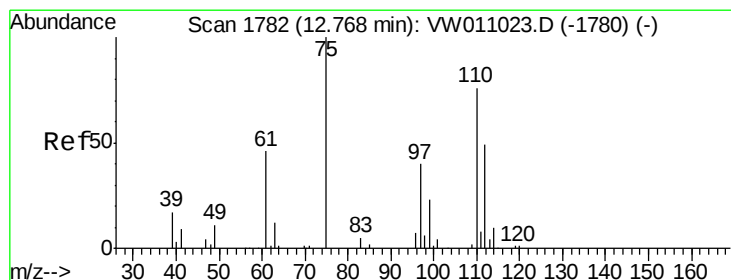
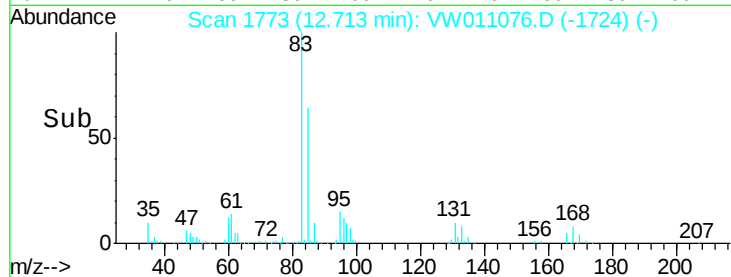
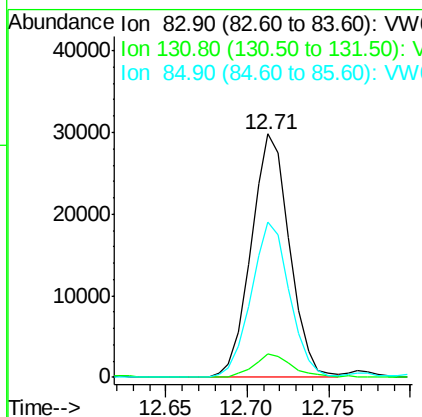
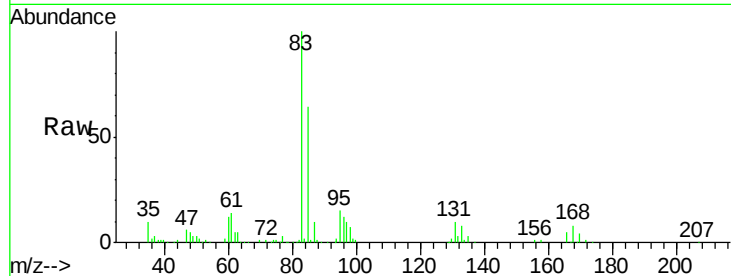
ClientSampleId :

VW0701SBS01

Tot Ion:	83	Resp:	48575
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	64.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.495 ug/l m

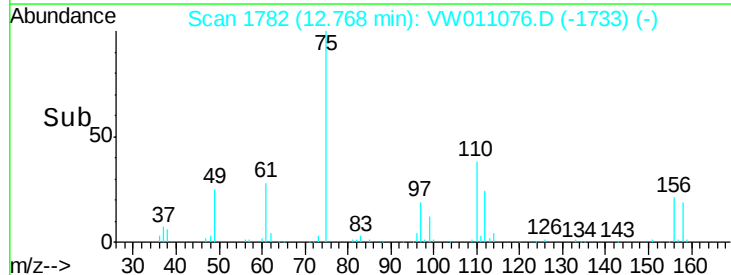
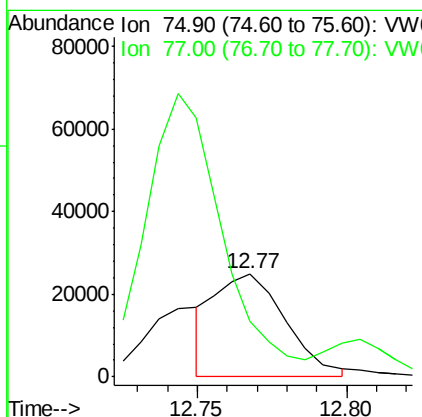
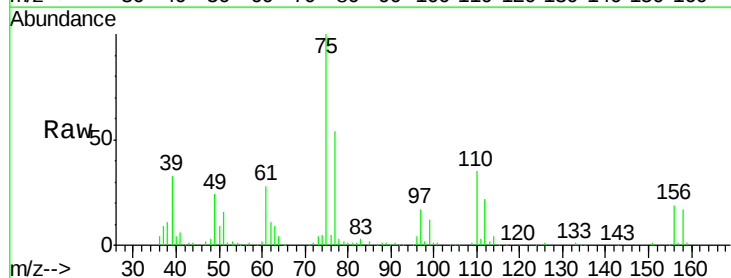
RT: 12.77 min Scan# 1782

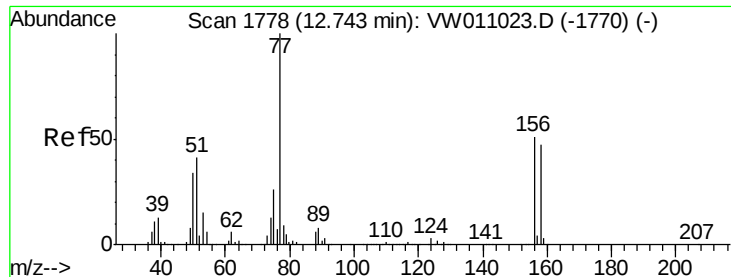
Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	75	Resp:	41300
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





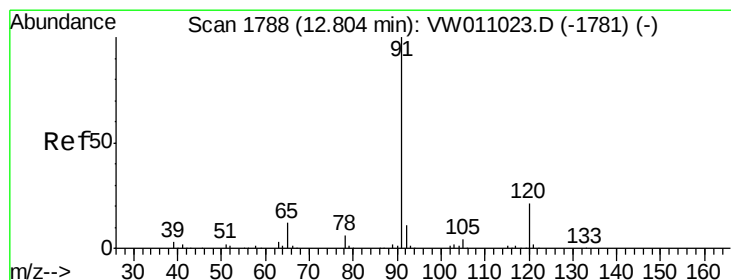
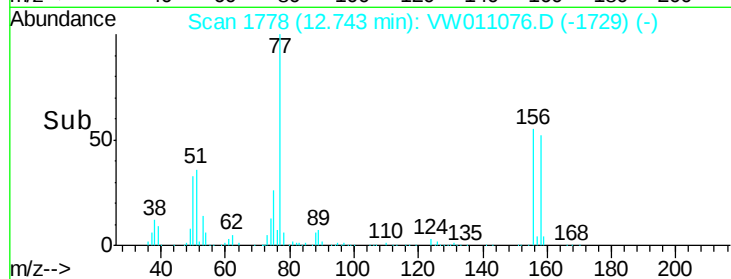
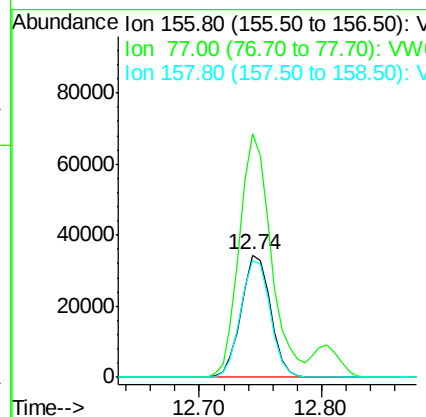
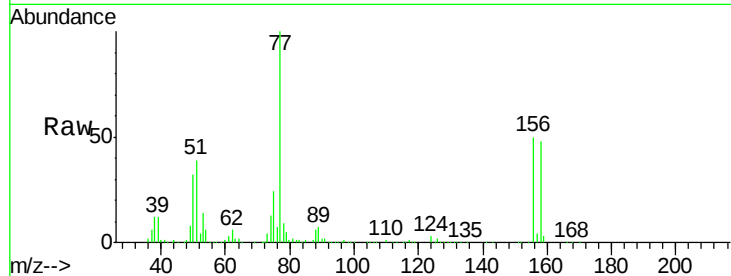
#77
Bromobenzene
Concen: 21.664 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.0	109.5	328.5
158	96.4	48.6	145.9

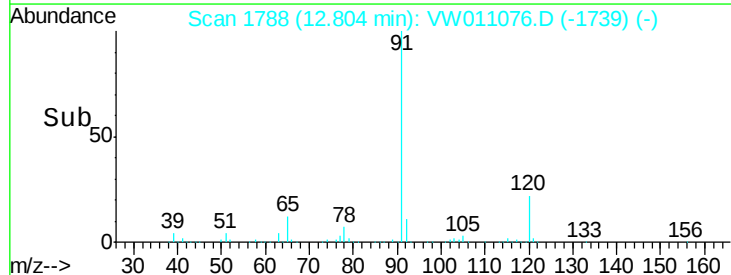
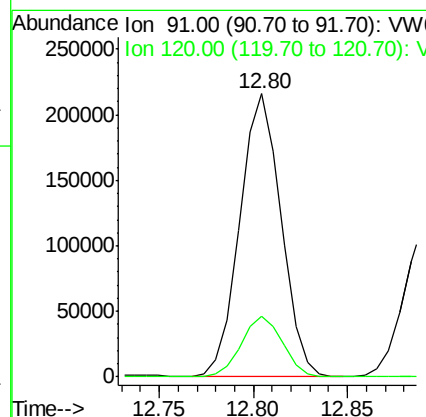
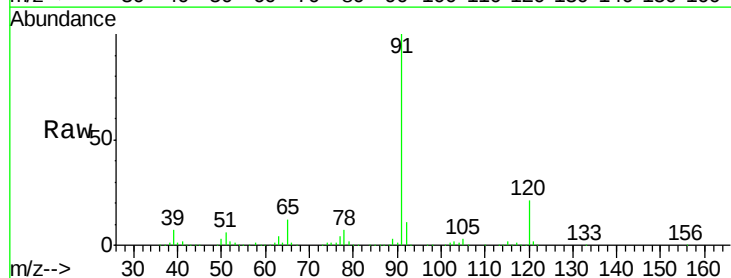
Manual Integrations
APPROVED

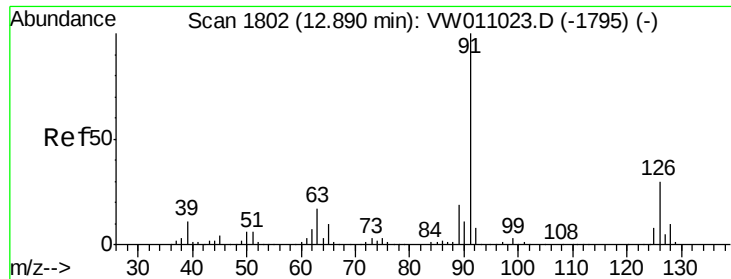
MMDadoda
7/2/2019 3:52:35 PM



#78
n-propylbenzene
Concen: 22.176 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.5	31.6





#79

2-Chlorotoluene

Concen: 21.815 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 91 Resp: 184650

Ion Ratio Lower Upper

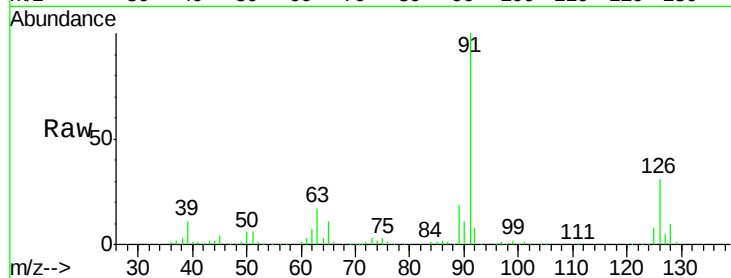
91 100

126 31.6 15.4 46.4

Manual Integrations
APPROVED

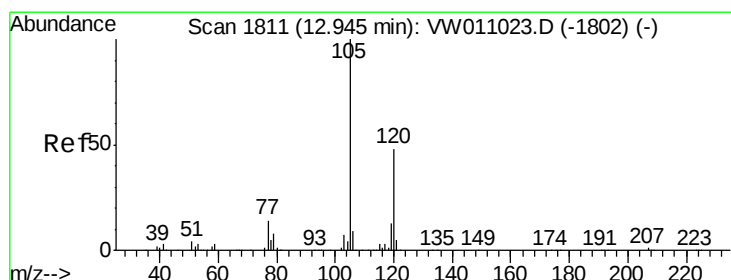
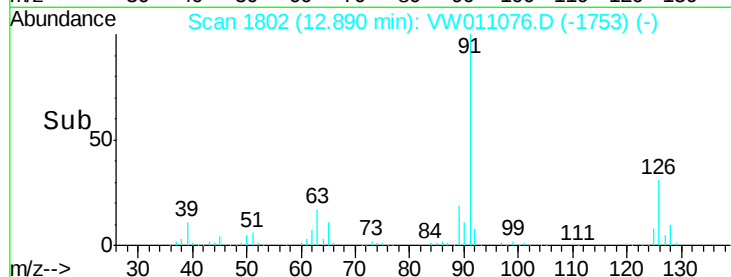
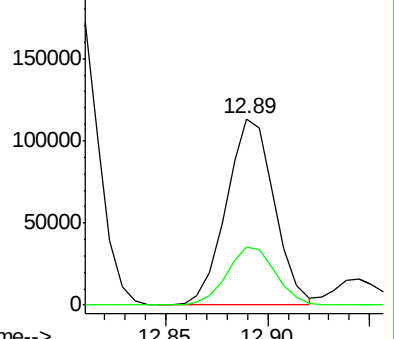
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.895 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011076.D

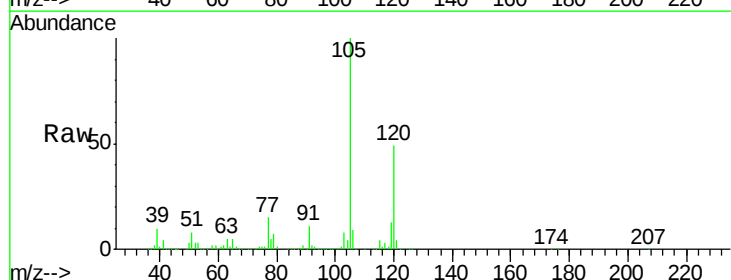
Acq: 01 Jul 2019 11:20

Tgt Ion:105 Resp: 222030

Ion Ratio Lower Upper

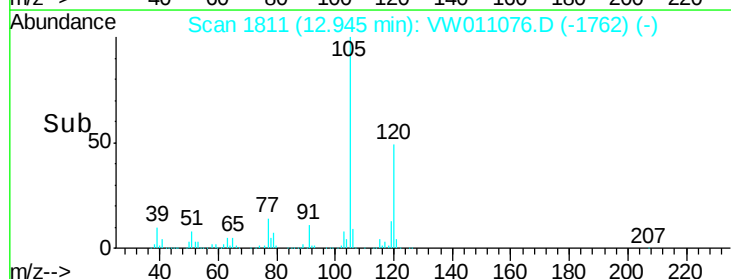
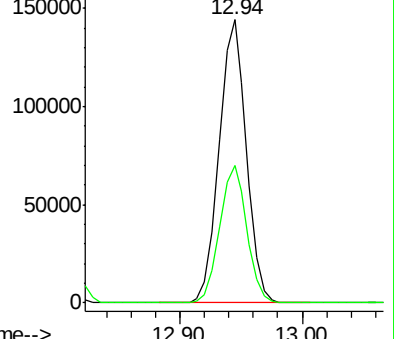
105 100

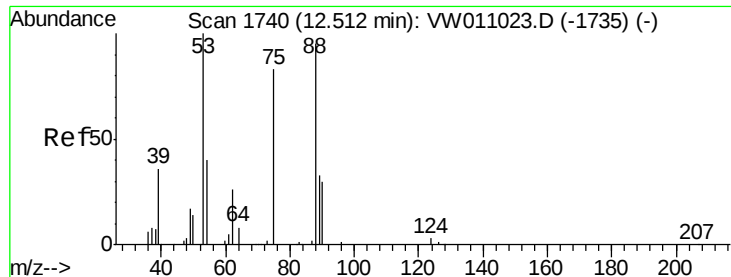
120 48.7 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





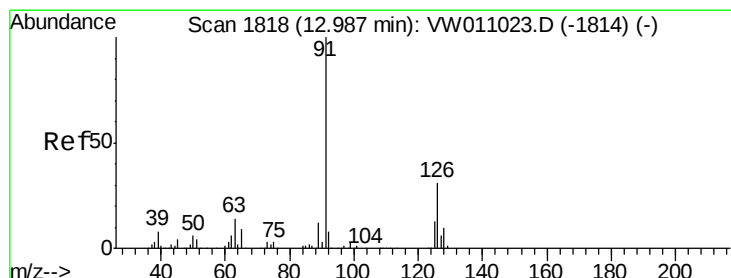
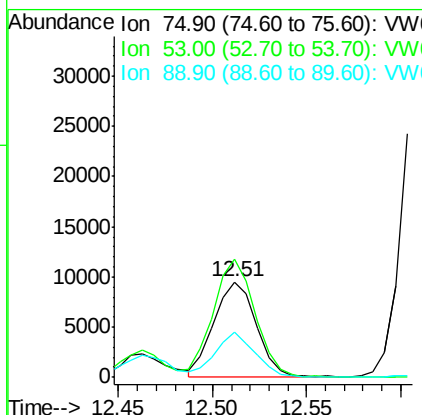
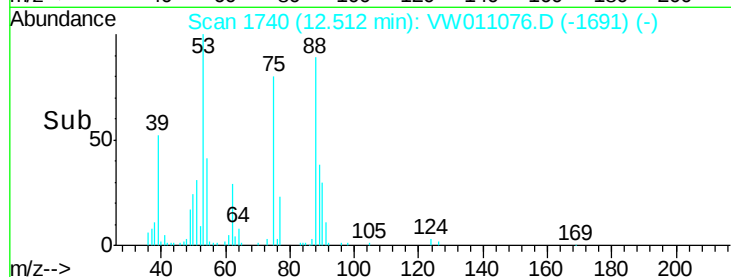
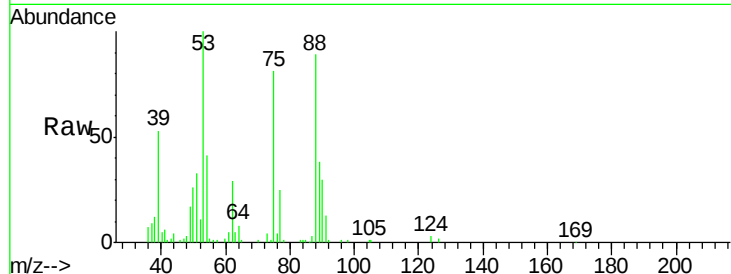
#81
trans-1,4-Dichloro-2-butene
Concen: 21.177 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.6	95.6	143.4
89	45.2	34.4	51.6

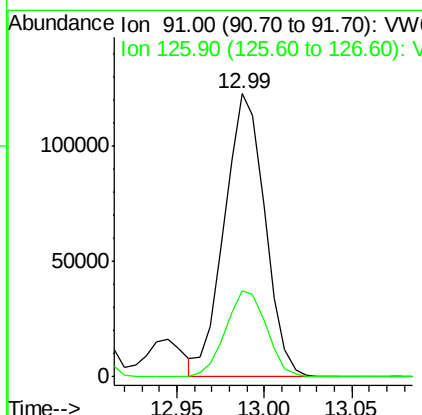
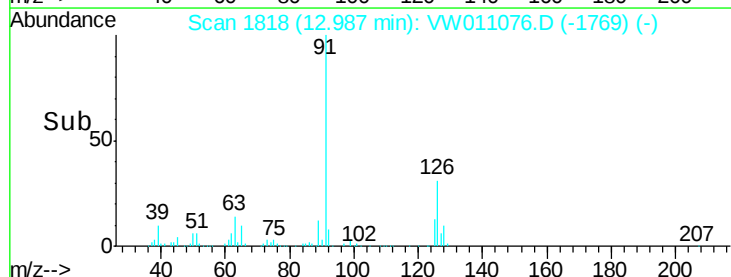
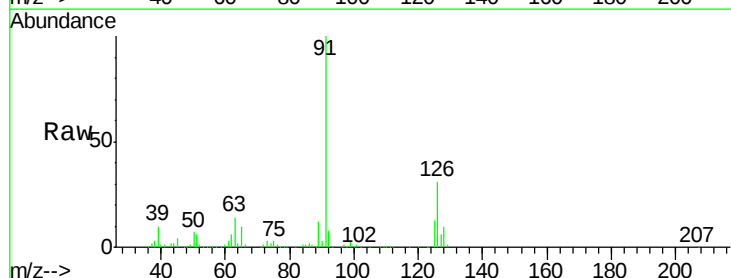
Manual Integrations
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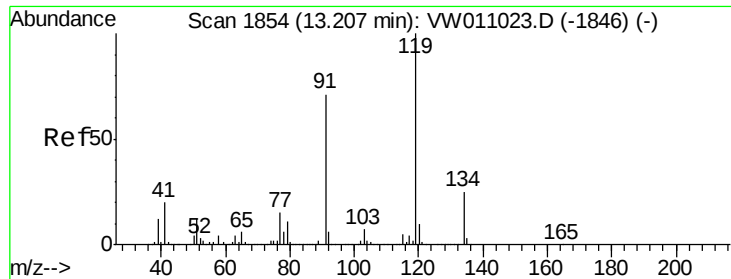
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#82
4-Chlorotoluene
Concen: 22.302 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1





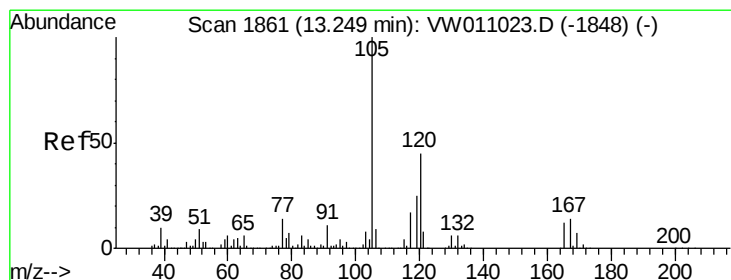
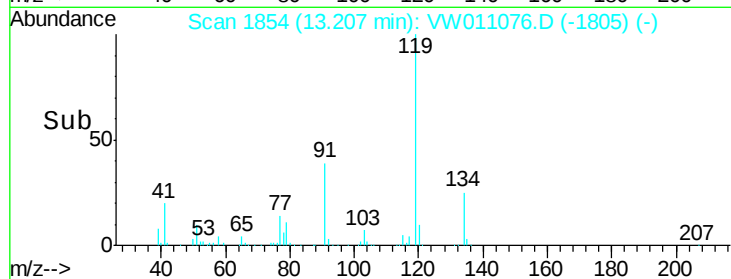
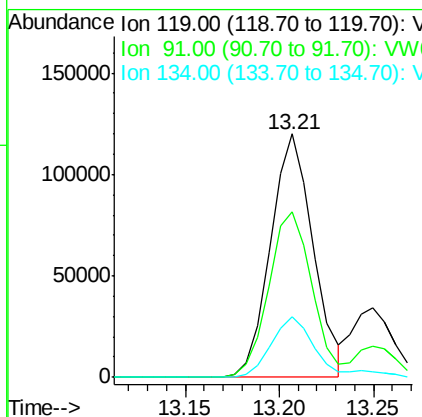
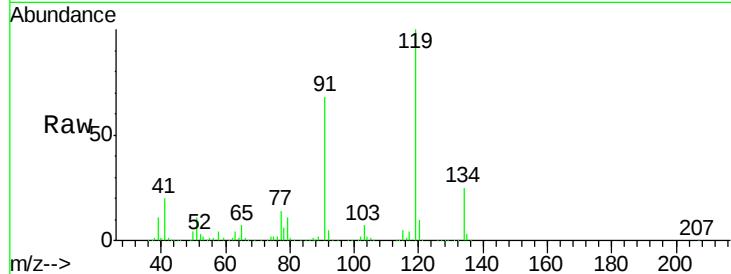
#83
tert-Butylbenzene
Concen: 22.187 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187621		
91	68.9	35.5	106.5	
134	24.8	12.4	37.2	

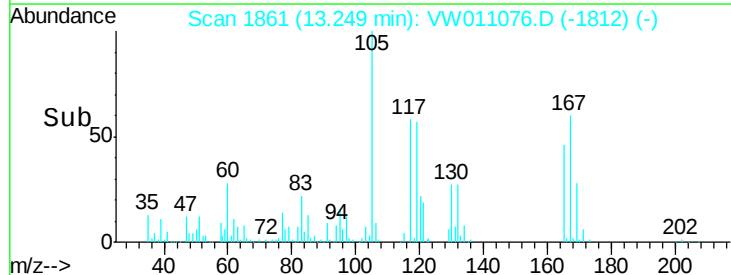
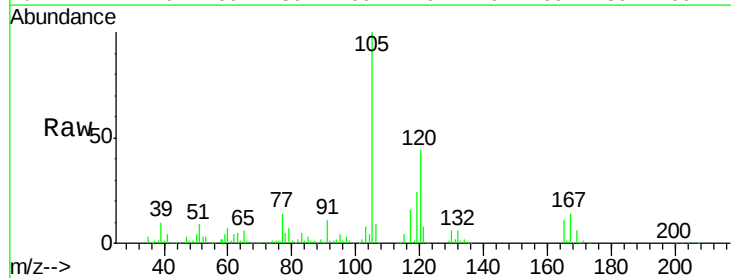
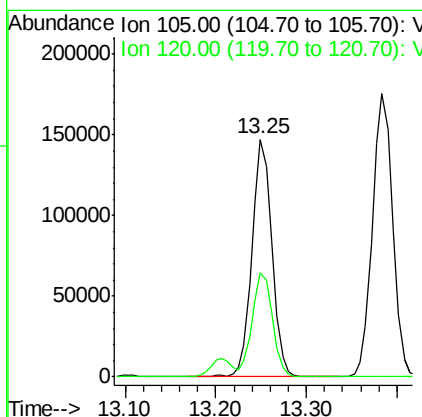
Manual Integrations
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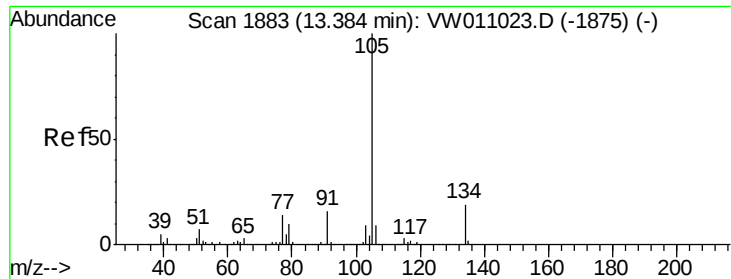
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#84
1,2,4-Trimethylbenzene
Concen: 21.960 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225088		
120	44.2	22.4	67.2	





#85

sec-Butylbenzene

Concen: 22.087 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion:105 Resp: 271324

Ion Ratio Lower Upper

105 100

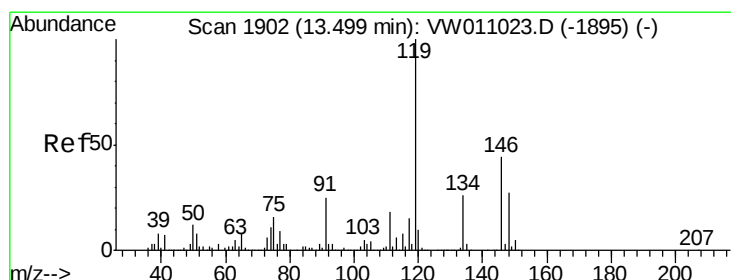
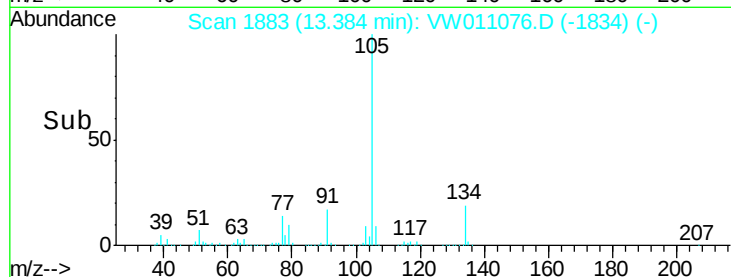
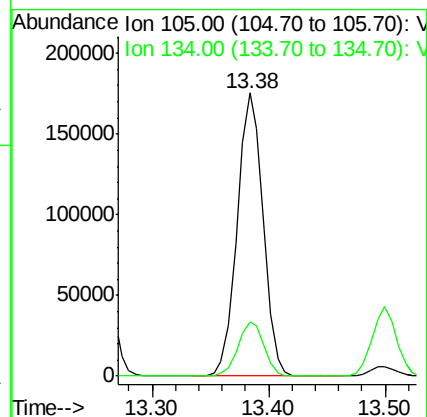
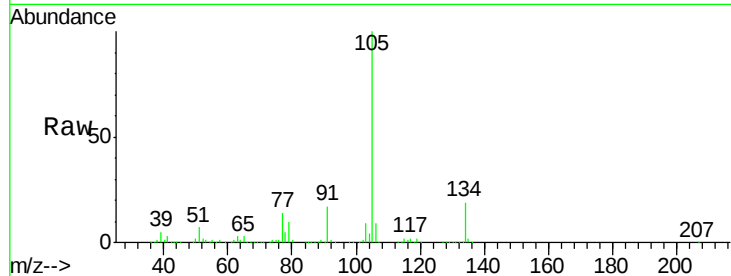
134 19.3 9.6 28.8

Manual Integrations

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7/2/2019 3:52:35 PM



#86

p-Isopropyltoluene

Concen: 22.022 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

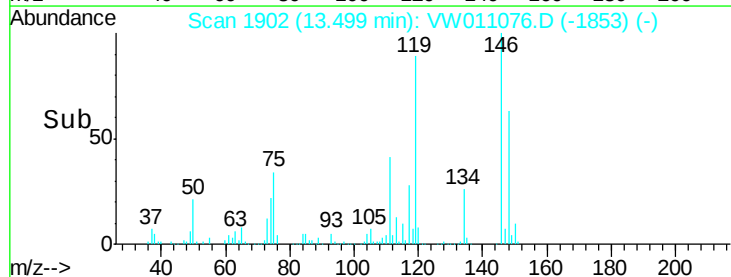
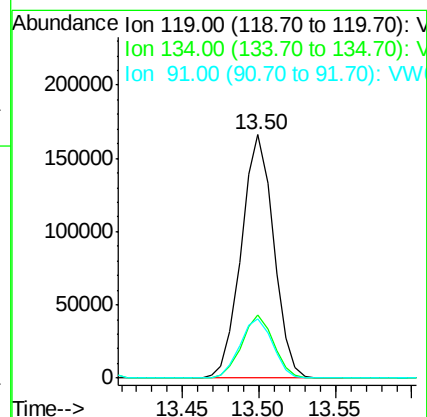
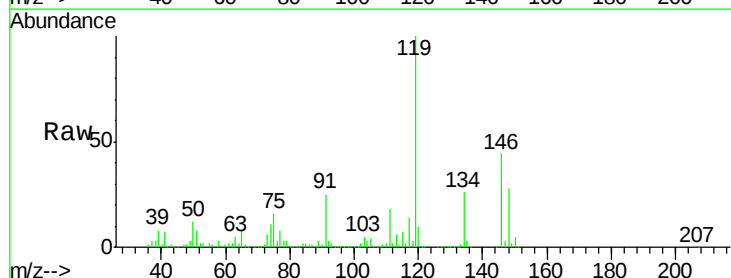
Tgt Ion:119 Resp: 243440

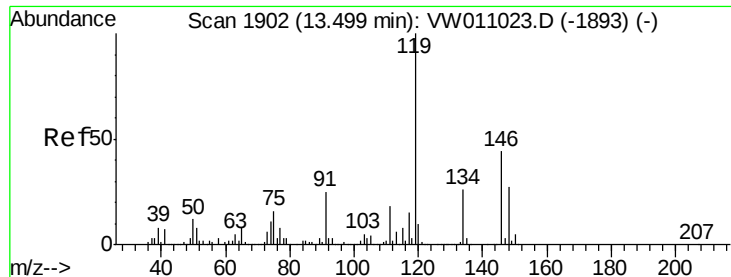
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.7 12.3 36.9





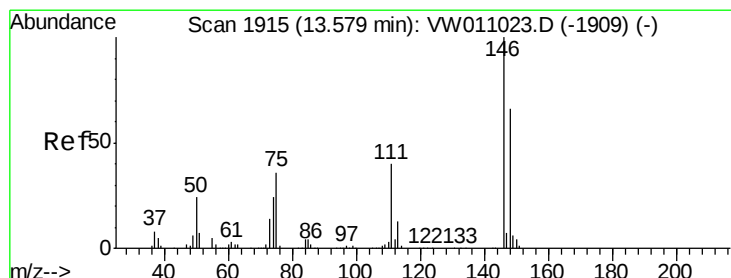
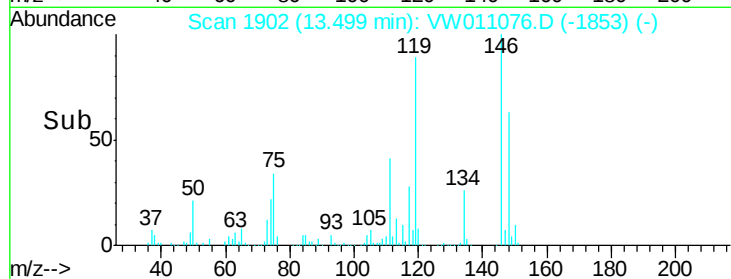
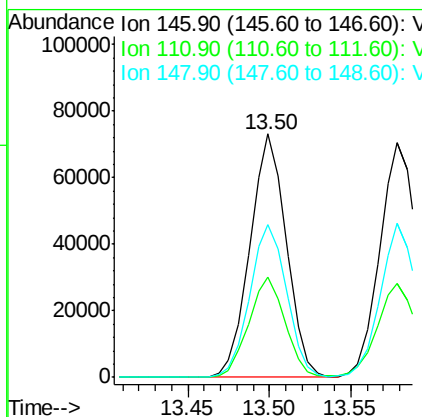
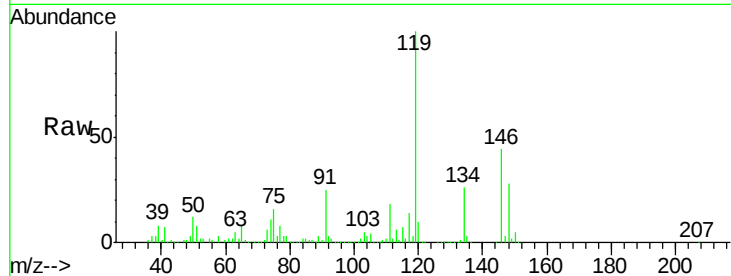
#87
 1,3-Dichlorobenzene
 Concen: 21.840 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	113609		
111	41.1	20.9	62.8	
148	63.6	31.8	95.4	

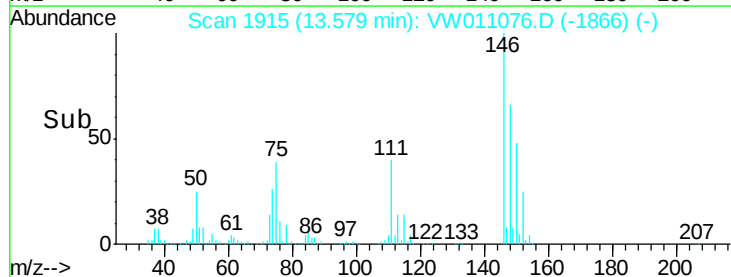
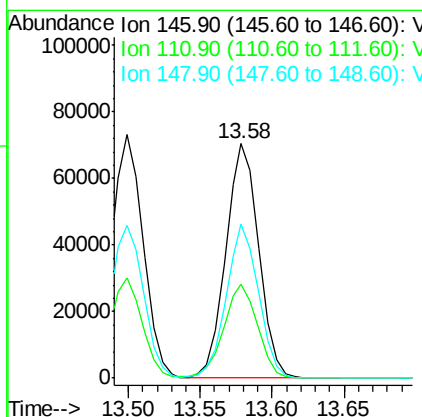
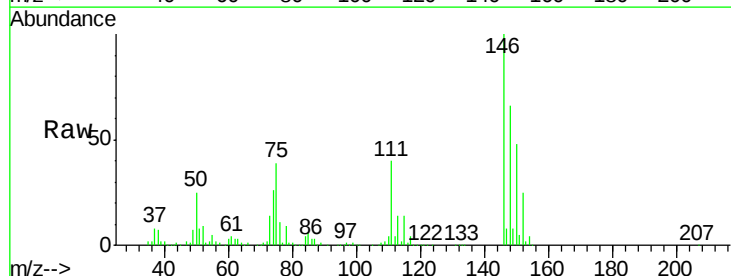
Manual Integrations
 APPROVED

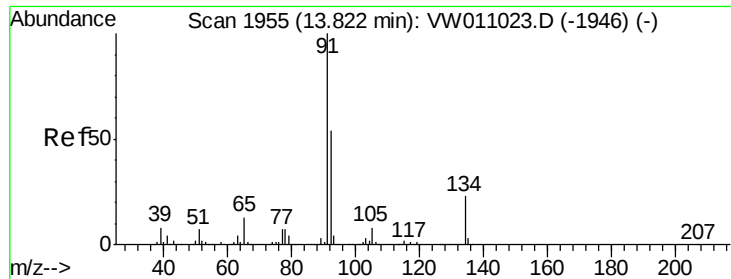
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#88
 1,4-Dichlorobenzene
 Concen: 21.668 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112515		
111	41.6	20.6	61.9	
148	64.4	32.4	97.2	





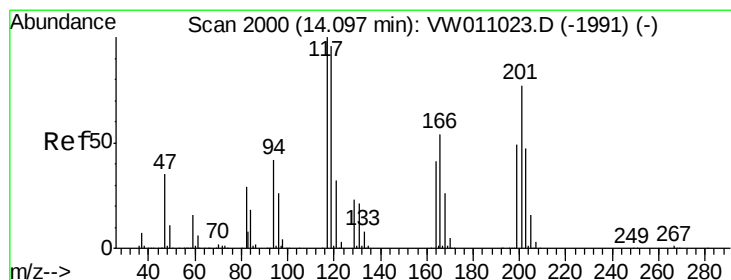
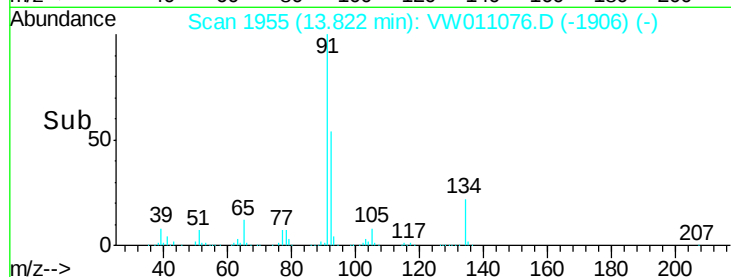
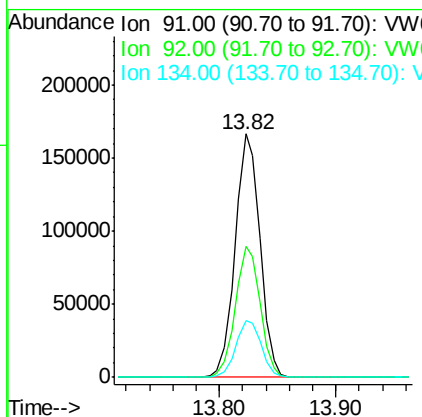
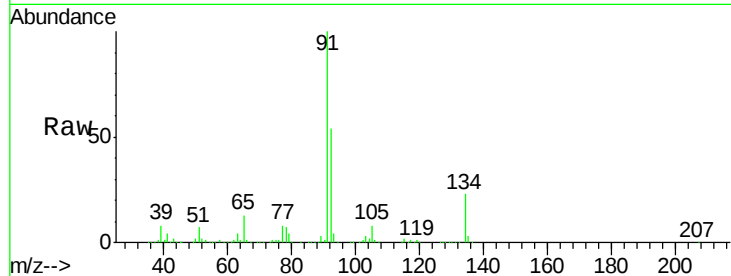
#89
n-Butylbenzene
Concen: 21.954 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	23.7	12.0	36.1

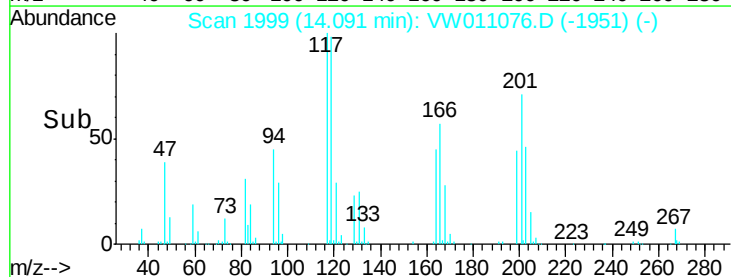
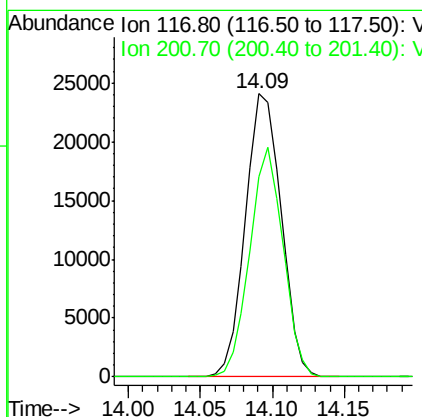
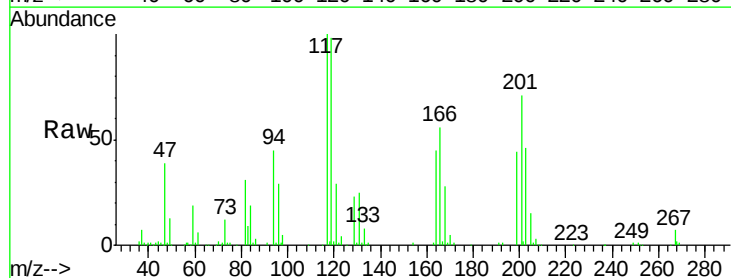
Manual Integrations
APPROVED

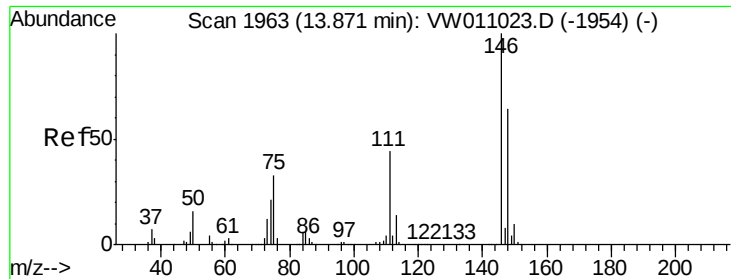
MMDadoda
7/2/2019 3:52:35 PM



#90
Hexachloroethane
Concen: 21.996 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.0	114.0





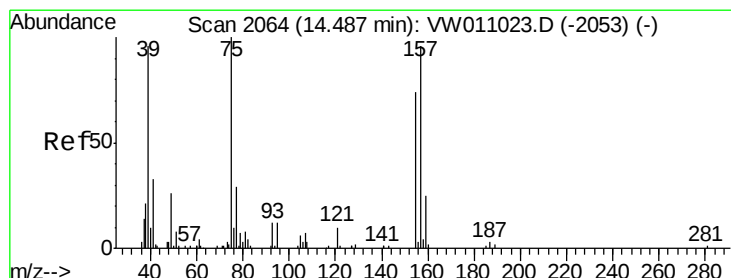
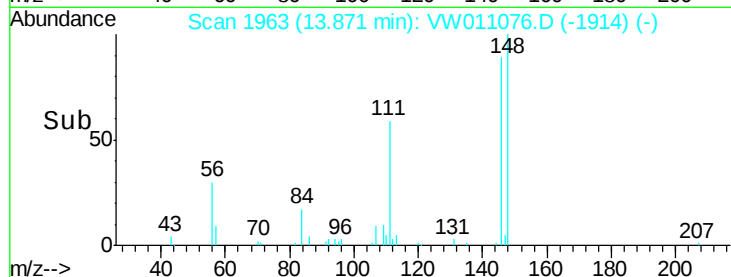
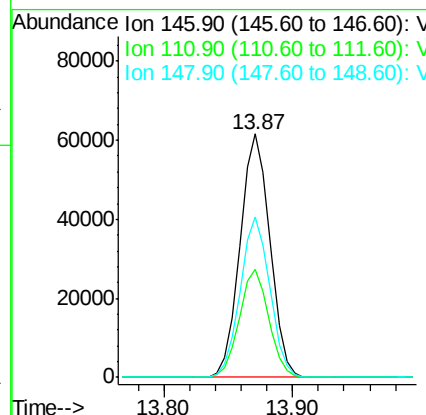
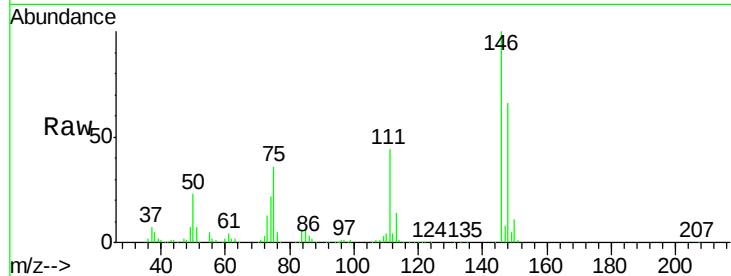
#91
 1,2-Dichlorobenzene
 Concen: 21.124 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	65.4	31.8	95.3

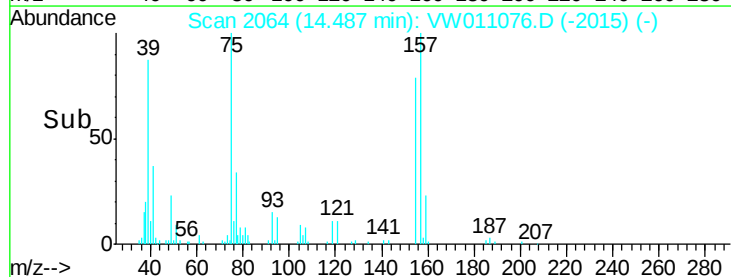
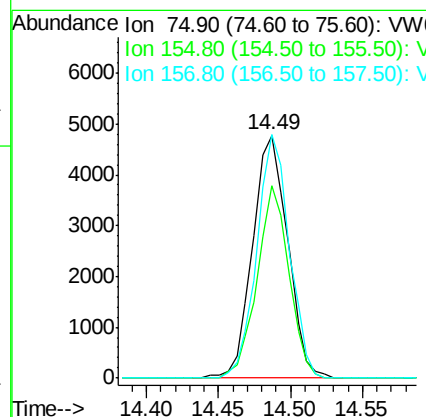
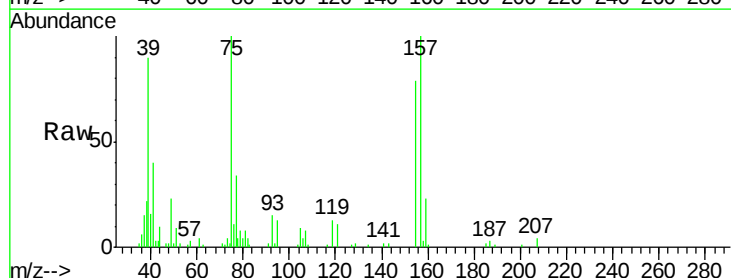
Manual Integrations
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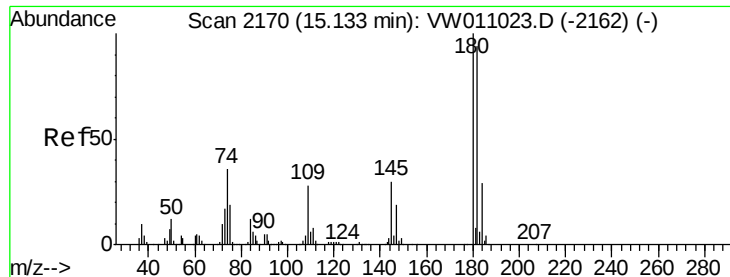
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.036 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	37.0	110.9
157	93.0	45.9	137.7





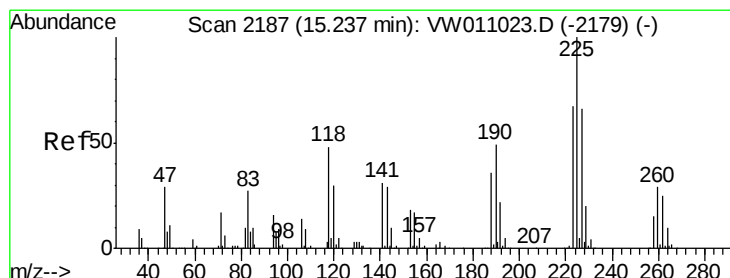
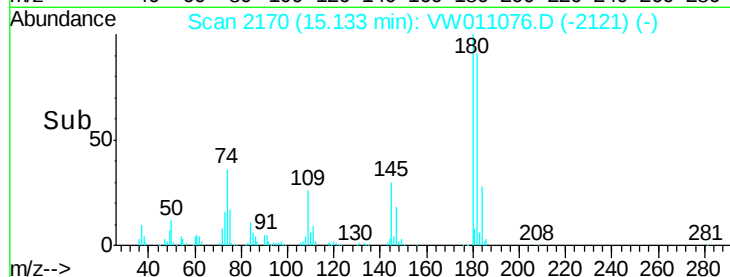
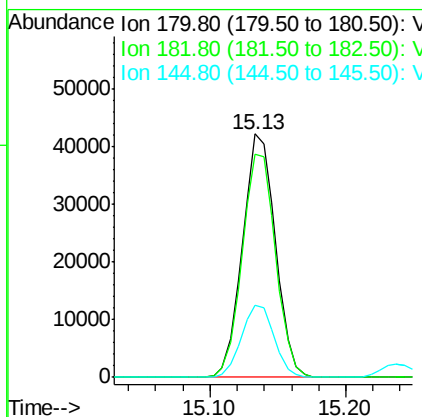
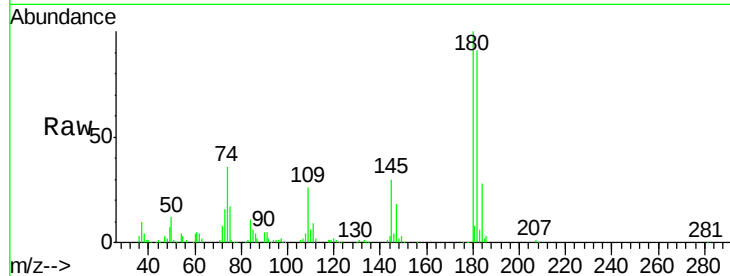
#93
 1,2,4-Trichlorobenzene
 Concen: 21.732 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.2
145	29.7	15.3	45.8

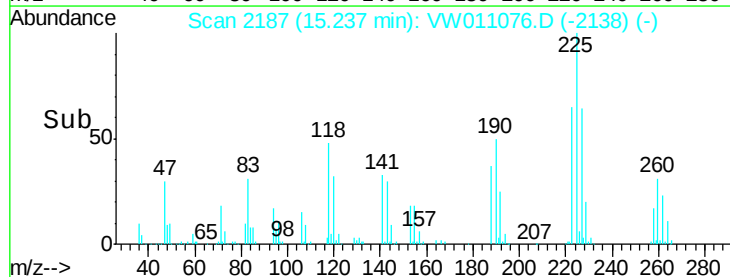
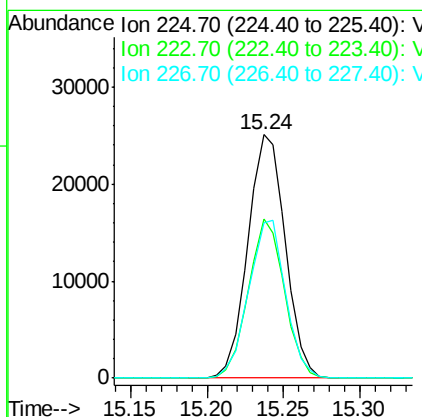
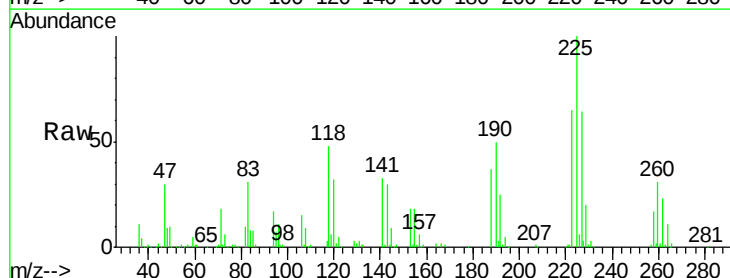
Manual Integrations
 APPROVED

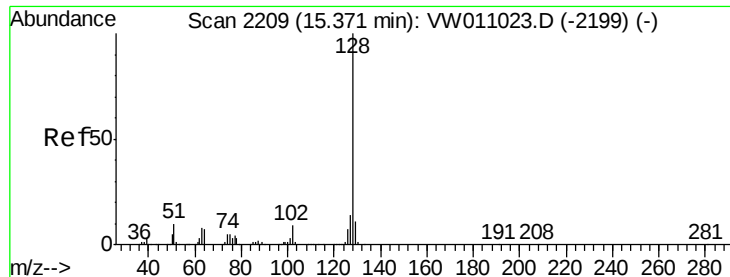
MMDadoda
 7/2/2019 3:52:35 PM



#94
 Hexachlorobutadiene
 Concen: 21.456 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.9
227	63.7	31.9	95.9





#95

Naphthalene

Concen: 20.188 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

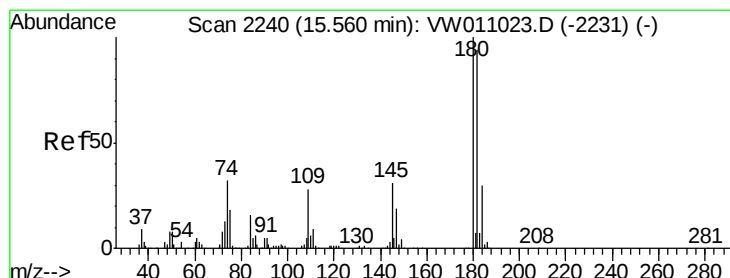
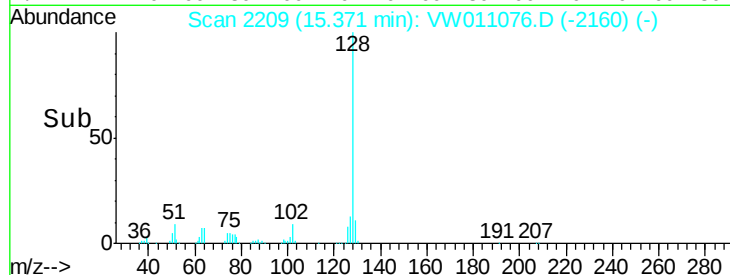
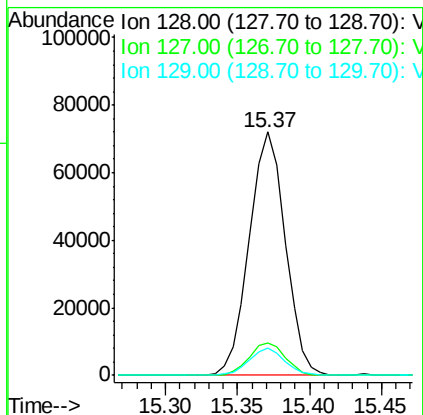
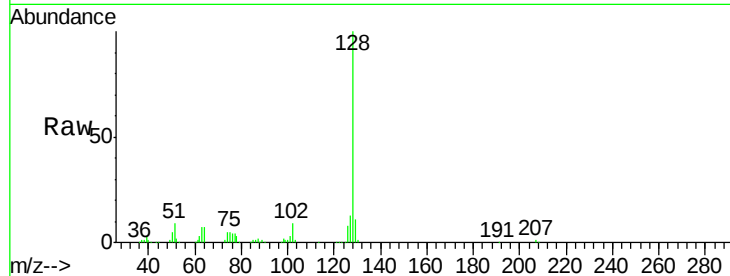
ClientSampleId :

VW0701SBS01

Tot Ion:	128	Resp:	124658
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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7/2/2019 3:52:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.052 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:	180	Resp:	61792
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	32.7	16.1	48.2

