

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011837.D
 Acq On : 10 Aug 2019 02:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:44:27 PM

Quant Time: Aug 11 02:14:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	326000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143396	65.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.20%	
35) Dibromofluoromethane	7.88	113	109938	60.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.22%	
50) Toluene-d8	10.32	98	431760	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
62) 4-Bromofluorobenzene	12.62	95	157338	58.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	48215	45.444	ug/l	98
3) Chloromethane	2.21	50	86061	46.779	ug/l	99
4) Vinyl Chloride	2.36	62	101615	45.877	ug/l	95
5) Bromomethane	2.76	94	51829	42.275	ug/l	96
6) Chloroethane	2.91	64	60114	47.513	ug/l	95
7) Trichlorofluoromethane	3.25	101	46623	47.099	ug/l	100
8) Diethyl Ether	3.68	74	62100	55.331	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	92367	49.189	ug/l	99
10) Methyl Iodide	4.27	142	138516	52.198	ug/l	98
11) Tert butyl alcohol	5.18	59	42719	265.933	ug/l	100
12) 1,1-Dichloroethene	4.04	96	96482	48.663	ug/l	97
13) Acrolein	3.89	56	33416	213.040	ug/l	99
14) Allyl chloride	4.67	41	213964	50.740	ug/l	99
15) Acrylonitrile	5.37	53	168418	300.606	ug/l	98
16) Acetone	4.13	43	140446	201.974	ug/l	99
17) Carbon Disulfide	4.39	76	288007	46.412	ug/l	100
18) Methyl Acetate	4.67	43	99415	63.641	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	179617	57.090	ug/l	99
20) Methylene Chloride	4.91	84	123625	51.550	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	112054	52.422	ug/l	95
22) Diisopropyl ether	6.31	45	452647	56.934	ug/l	98
23) Vinyl Acetate	6.25	43	1418822	284.009	ug/l	99
24) 1,1-Dichloroethane	6.21	63	231620	54.397	ug/l	99
25) 2-Butanone	7.17	43	238162	261.743	ug/l	98
26) 2,2-Dichloropropane	7.17	77	108966	41.612	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	125375	53.294	ug/l	99
28) Bromochloromethane	7.51	49	117047	61.931	ug/l #	99
29) Tetrahydrofuran	7.53	42	157476	302.774	ug/l	99
30) Chloroform	7.67	83	215633	54.892	ug/l	97
31) Cyclohexane	7.96	56	187412	45.852	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	158649	53.030	ug/l	99
36) 1,1-Dichloropropene	8.08	75	164056	48.397	ug/l	99
37) Ethyl Acetate	7.25	43	106235	54.473	ug/l	97
38) Carbon Tetrachloride	8.07	117	142163	48.990	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	174400	46.724	ug/l	98
40) Benzene	8.32	78	484397	51.016	ug/l	100
41) Methacrylonitrile	7.48	41	73808	63.311	ug/l	94
42) 1,2-Dichloroethane	8.40	62	164229	55.245	ug/l	100
43) Isopropyl Acetate	8.43	43	203560	56.755	ug/l	99
44) Trichloroethene	9.09	130	114238	50.058	ug/l	96
45) 1,2-Dichloropropane	9.37	63	134958	53.121	ug/l	98
46) Dibromomethane	9.46	93	63731	54.961	ug/l	98
47) Bromodichloromethane	9.64	83	164050	53.934	ug/l	99
48) Methyl methacrylate	9.43	41	100623	58.404	ug/l	99
49) 1,4-Dioxane	9.46	88	19827	1180.906	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	541591	290.305	ug/l	100
52) Toluene	10.38	92	295584	51.549	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167741	52.793	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	195303	51.697	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	90160	54.801	ug/l	98
56) Ethyl methacrylate	10.65	69	137761	57.221	ug/l	99
57) 1,3-Dichloropropane	10.93	76	170543	54.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	367495	336.194	ug/l	100
59) 2-Hexanone	10.97	43	368045	279.408	ug/l	100
60) Dibromochloromethane	11.13	129	100451	55.004	ug/l	99
61) 1,2-Dibromoethane	11.23	107	84935	54.552	ug/l	100
64) Tetrachloroethene	10.86	164	98928	51.120	ug/l	98
65) Chlorobenzene	11.66	112	299239	50.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	108252	52.009	ug/l	100
67) Ethyl Benzene	11.73	91	571355	50.205	ug/l	100
68) m/p-Xylenes	11.84	106	411072	99.323	ug/l	100
69) o-Xylene	12.16	106	196151	51.002	ug/l	99
70) Styrene	12.18	104	346113	52.049	ug/l	100
71) Bromoform	12.35	173	57525	54.206	ug/l #	97
73) Isopropylbenzene	12.46	105	530717	49.399	ug/l	99
74) N-amyl acetate	12.27	43	186553	55.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111416	55.133	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	78174m	51.302	ug/l	
77) Bromobenzene	12.74	156	121639	51.224	ug/l	98
78) n-propylbenzene	12.80	91	648791	49.621	ug/l	99
79) 2-Chlorotoluene	12.89	91	381962	50.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	457295	50.778	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34024	51.460	ug/l	96
82) 4-Chlorotoluene	12.99	91	399287	50.523	ug/l	100
83) tert-Butylbenzene	13.21	119	377074	50.070	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	460195	50.727	ug/l	99
85) sec-Butylbenzene	13.38	105	530080	49.329	ug/l	99
86) p-Isopropyltoluene	13.50	119	481617	49.398	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	230957	49.603	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	231803	50.046	ug/l	100
89) n-Butylbenzene	13.82	91	468074	48.108	ug/l	99
90) Hexachloroethane	14.09	117	87799	50.926	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	210915	51.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18954	55.002	ug/l	98

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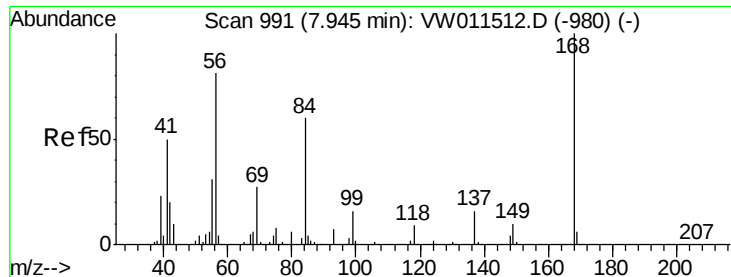
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	145148	50.011	ug/l	100
94) Hexachlorobutadiene	15.24	225	88958	49.149	ug/l	99
95) Naphthalene	15.36	128	290733	51.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	131208	51.574	ug/l	99

(#) = 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: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 190373

Ion Ratio Lower Upper

168 100

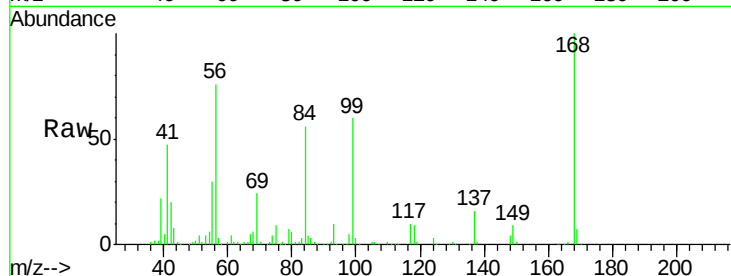
99 60.0 48.2 72.4

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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

80000

60000

40000

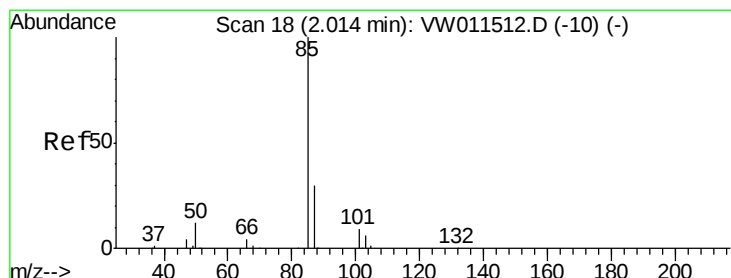
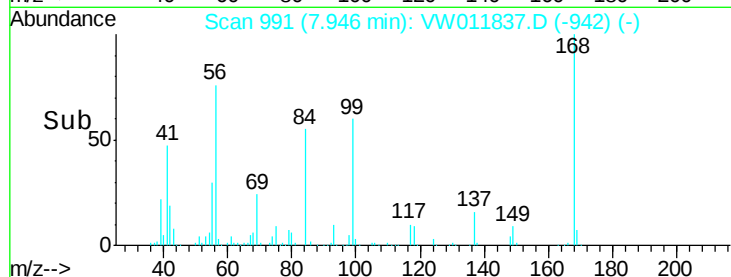
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.444 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011837.D

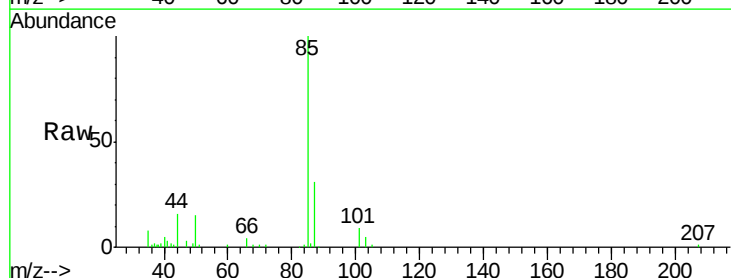
Acq: 10 Aug 2019 02:52

Tgt Ion: 85 Resp: 48215

Ion Ratio Lower Upper

85 100

87 31.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

0

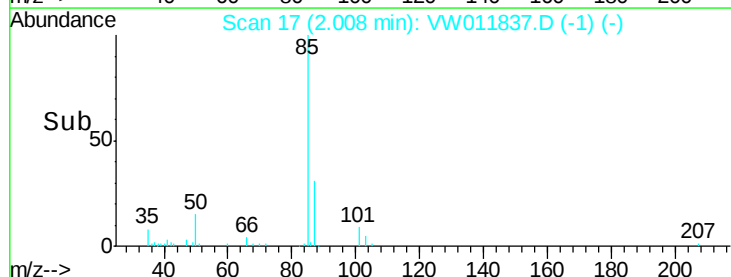
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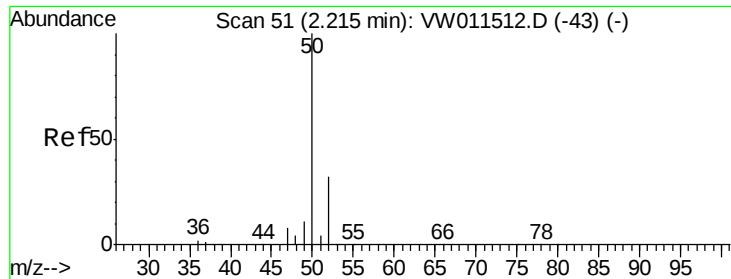
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 46.779 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 86061

Ion Ratio Lower Upper

50 100

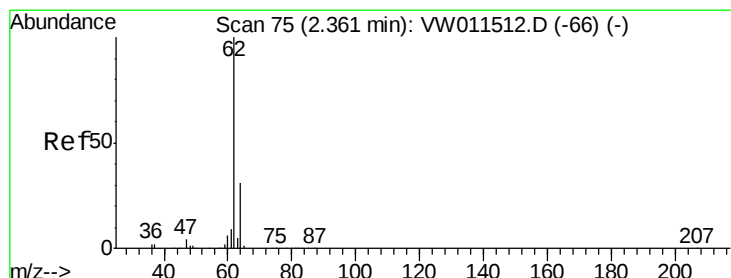
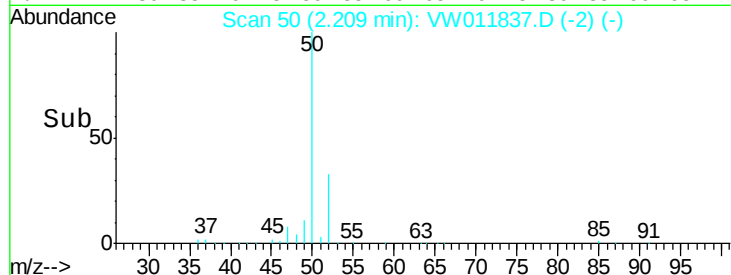
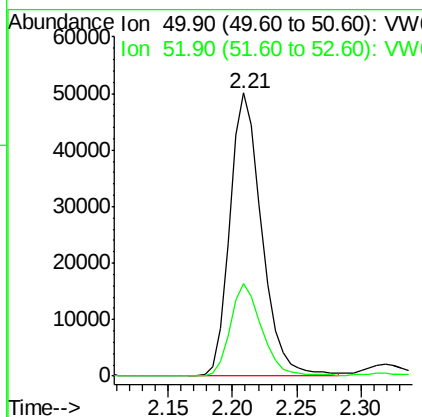
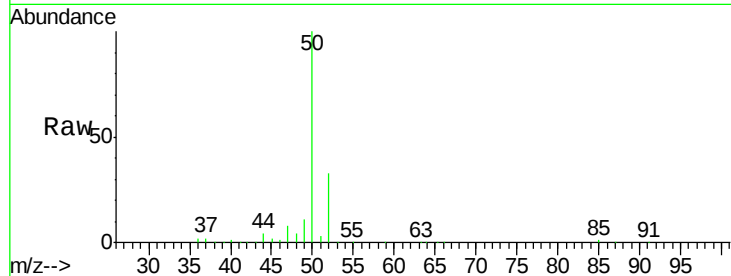
52 32.6 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.877 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011837.D

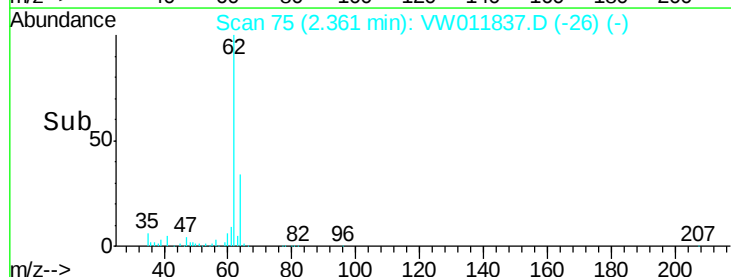
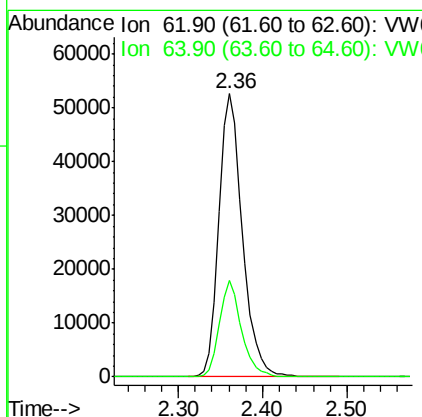
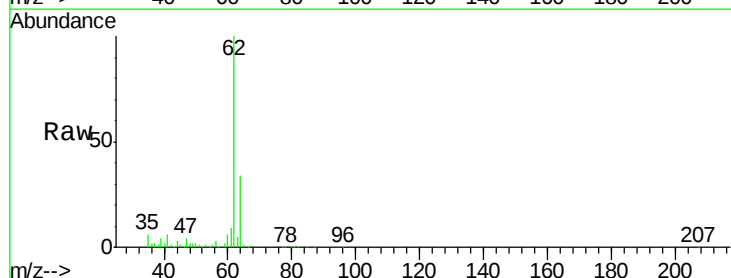
Acq: 10 Aug 2019 02:52

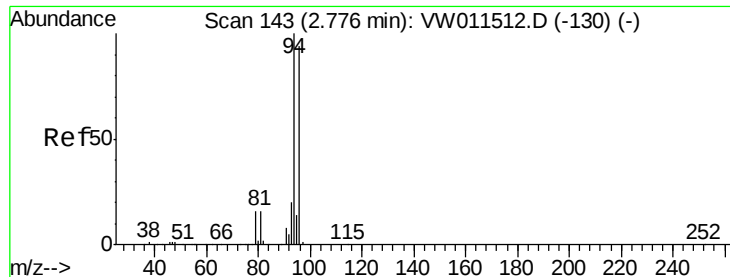
Tgt Ion: 62 Resp: 101615

Ion Ratio Lower Upper

62 100

64 34.1 25.0 37.4





#5

Bromomethane

Concen: 42.275 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

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VSTDCCC050EC

Tot Ion: 94 Resp: 51829

Ion Ratio Lower Upper

94 100

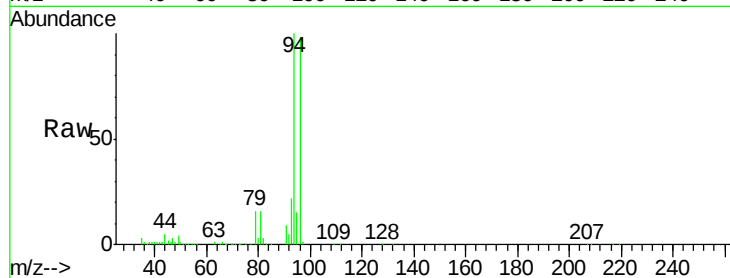
96 97.7 75.0 112.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

30000

25000

20000

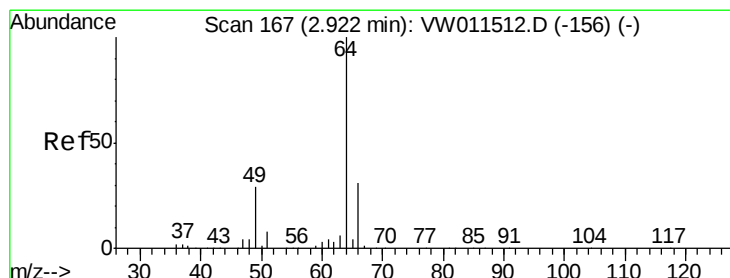
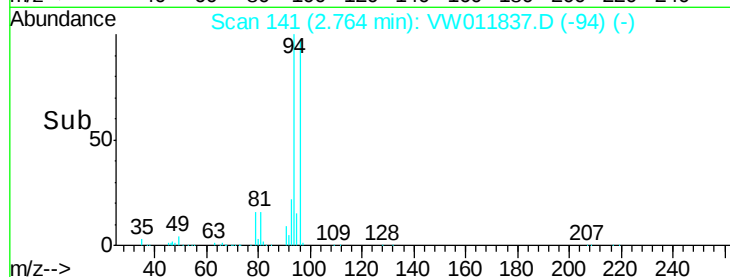
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 47.513 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011837.D

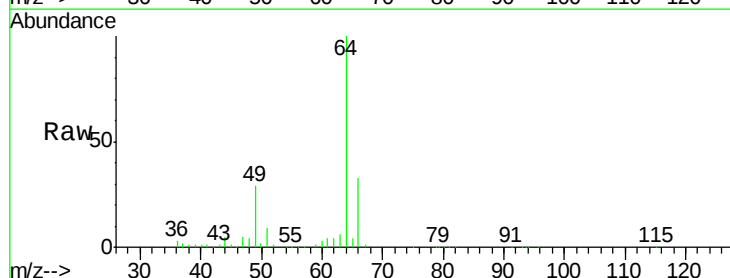
Acq: 10 Aug 2019 02:52

Tgt Ion: 64 Resp: 60114

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

25000

20000

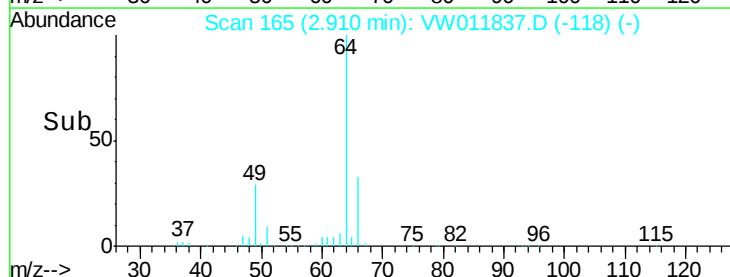
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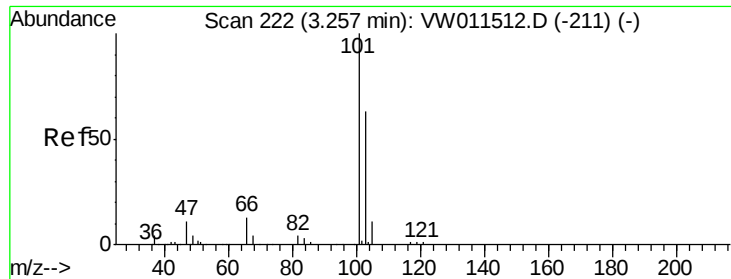
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5000

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Time-->





#7

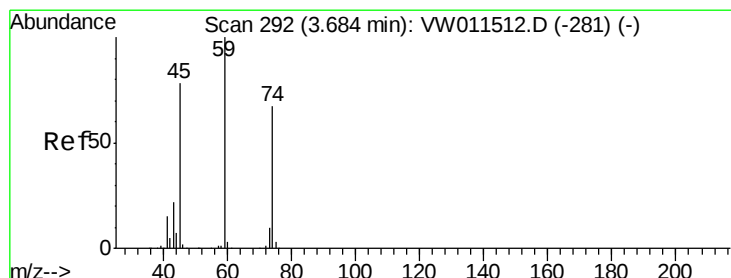
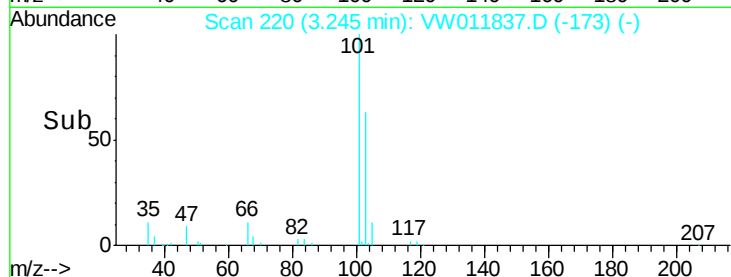
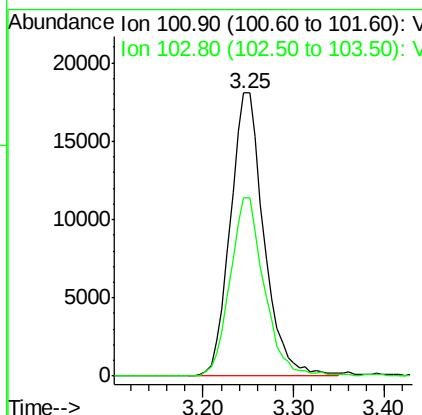
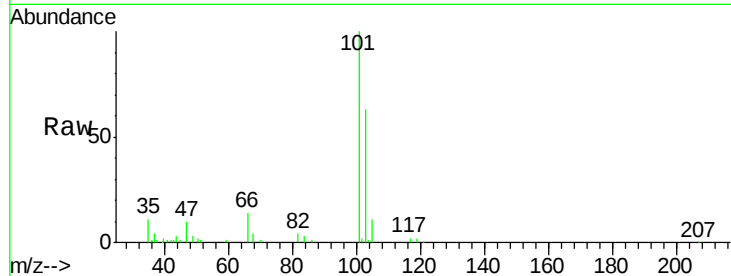
Trichlorofluoromethane
Concen: 47.099 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	46623		
103	62.9	50.2	50.2	75.4

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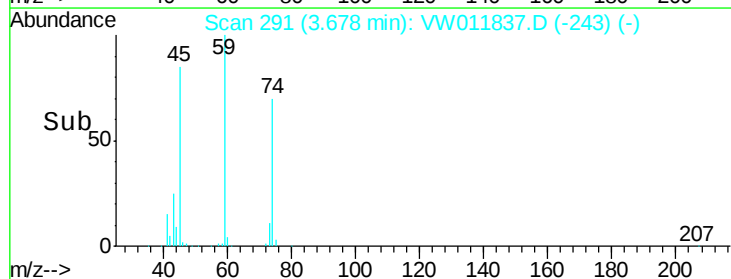
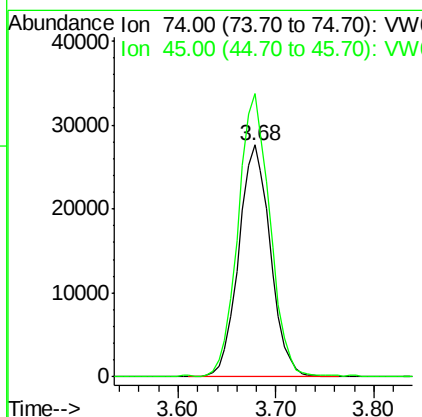
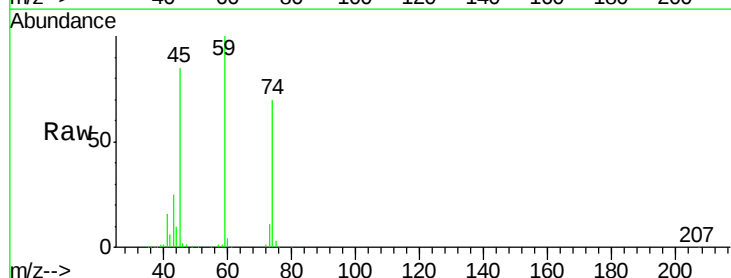
MMDadoda
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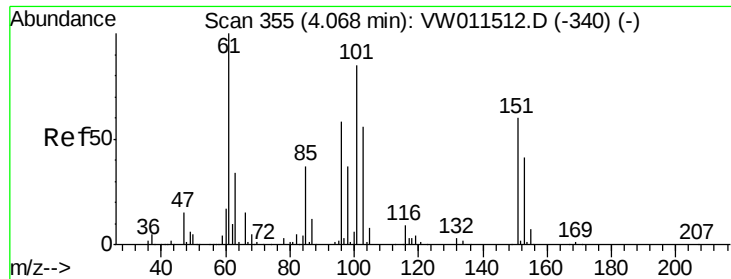


#8

Diethyl Ether
Concen: 55.331 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62100		
45	121.5	59.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.189 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

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MSVOA_W

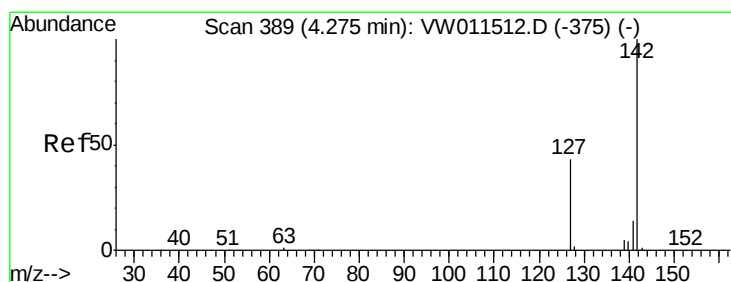
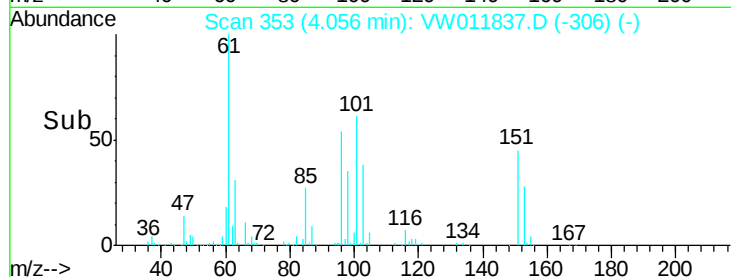
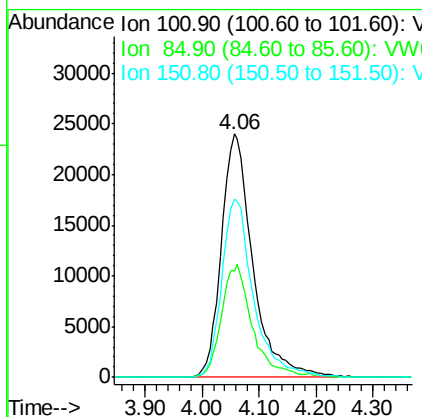
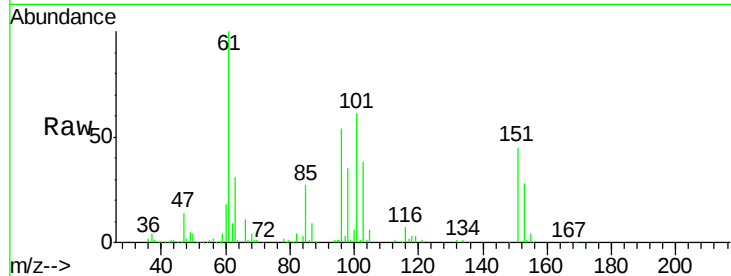
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	92367
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	54.8
151	74.0	60.2	90.2

Manual Integrations
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8/13/2019 2:44:27 PM



#10

Methyl Iodide

Concen: 52.198 ug/l

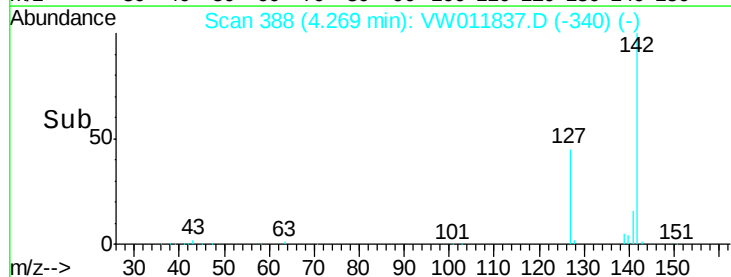
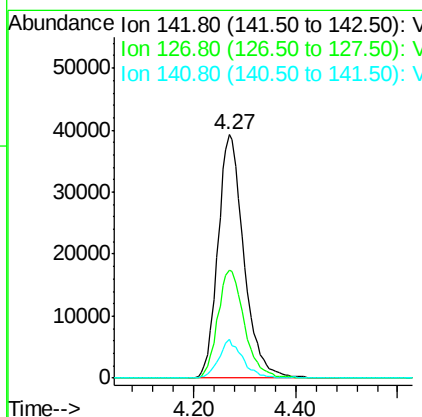
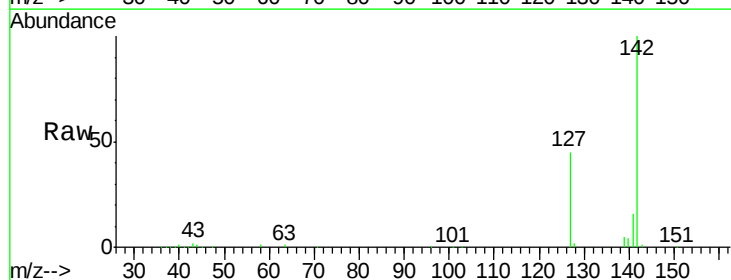
RT: 4.27 min Scan# 388

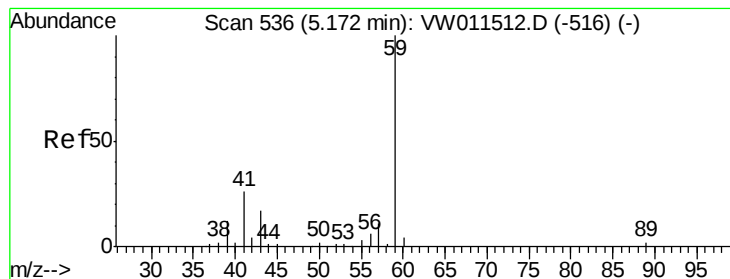
Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	142	Resp:	138516
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.0	52.6
141	14.5	11.9	17.9





#11

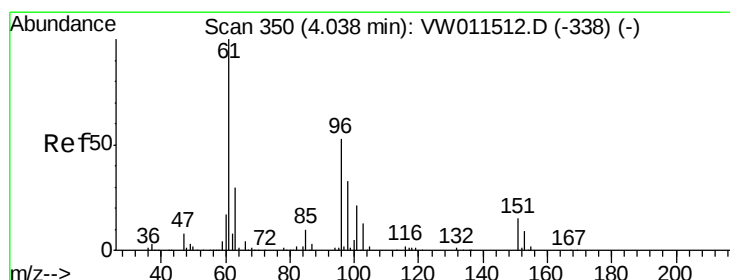
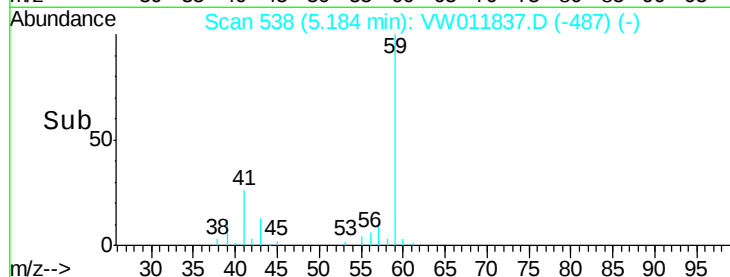
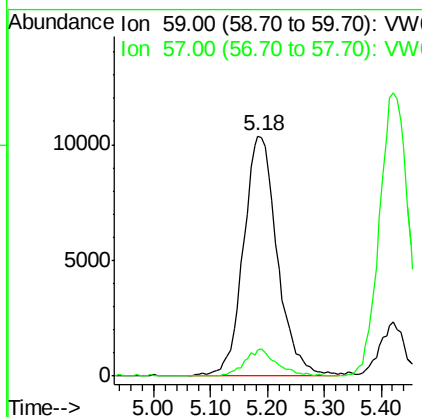
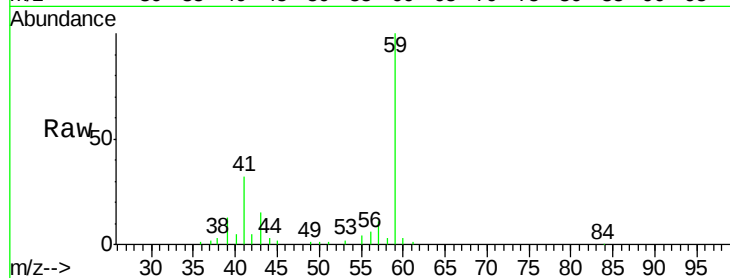
Tert butyl alcohol
Concen: 265.933 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.5	Resp	42719	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.5	Resp	42719	Lower	8.5	Upper	12.7

Manual Integrations
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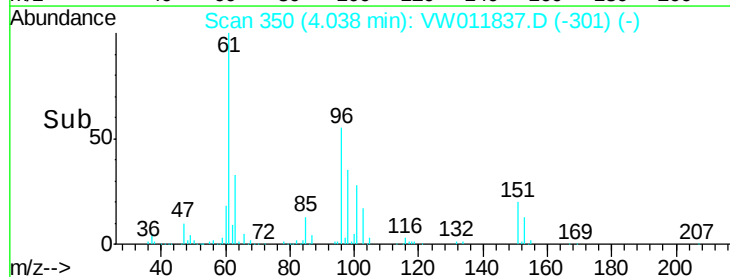
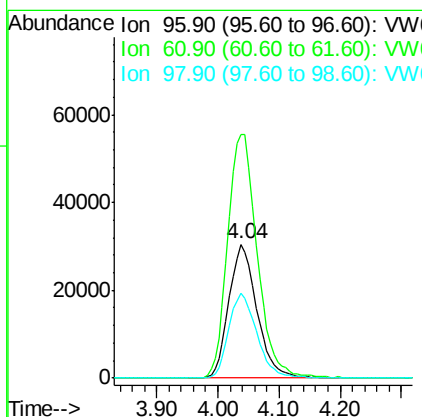
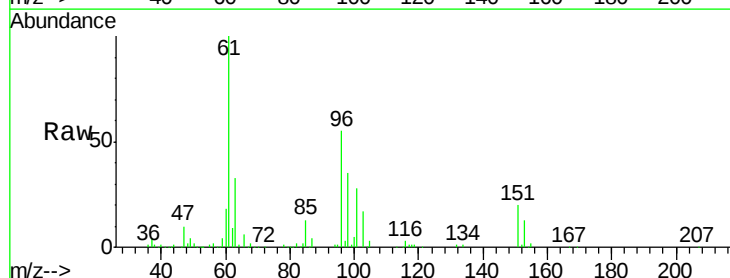
MMDadoda
8/13/2019 2:44:27 PM

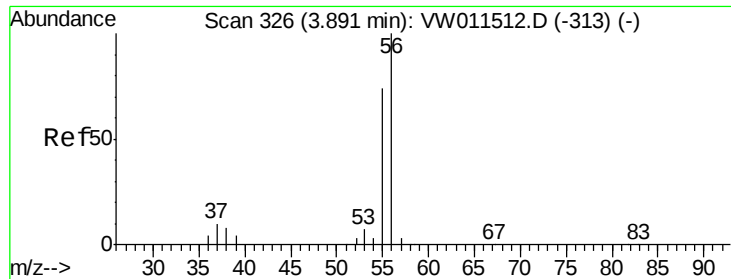


#12

1,1-Dichloroethene
Concen: 48.663 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	96	61	98	Ratio	100	182.4	63.7	Resp	96482	Lower	149.9	49.1	Upper	224.9	73.7
Ion	96	61	98	Ratio	100	182.4	63.7	Resp	96482	Lower	149.9	49.1	Upper	224.9	73.7





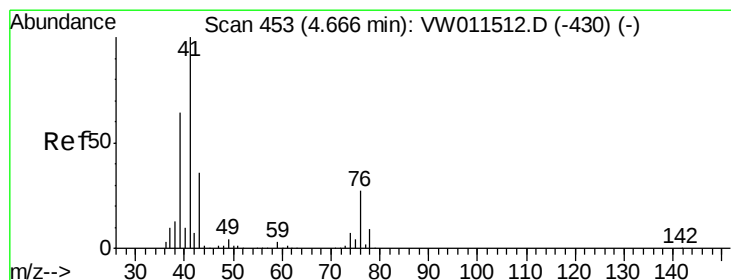
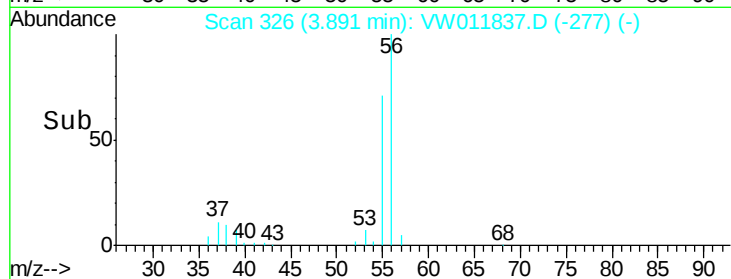
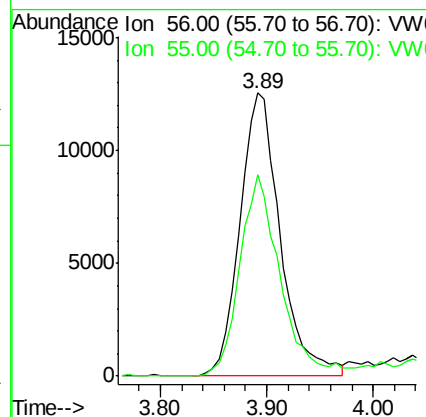
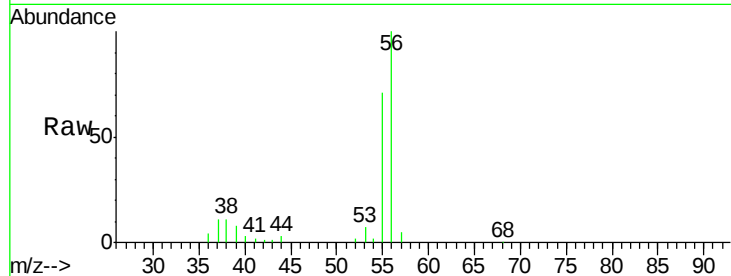
#13
Acrolein
Concen: 213.040 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		33416		
55	71.1	56.0		84.0	

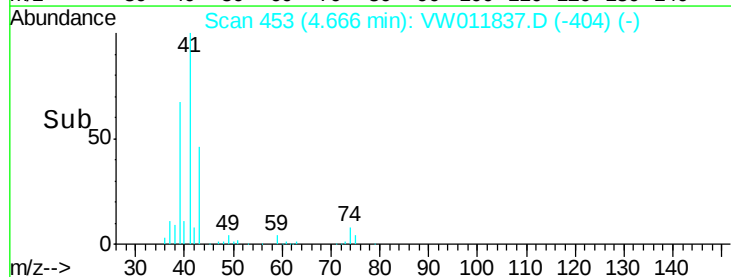
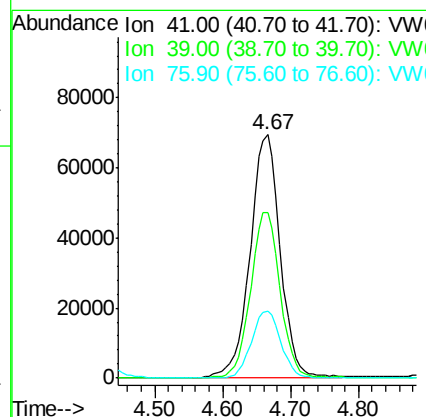
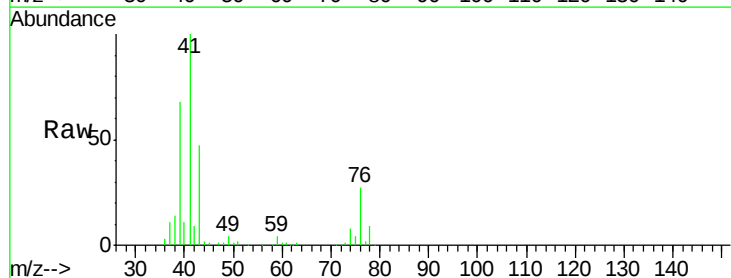
Manual Integrations
APPROVED

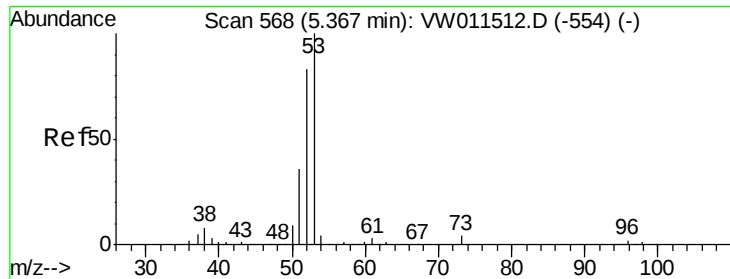
MMDadoda
8/13/2019 2:44:27 PM



#14
Allyl chloride
Concen: 50.740 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		213964		
39	66.6	52.6		78.8	
76	27.1	22.0		33.0	





#15

Acrylonitrile

Concen: 300.606 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

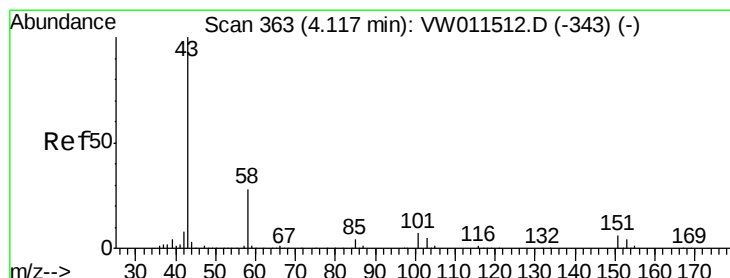
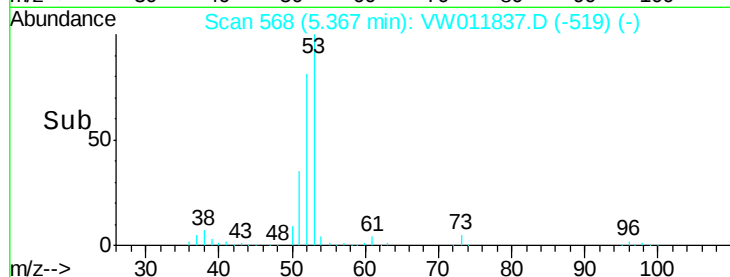
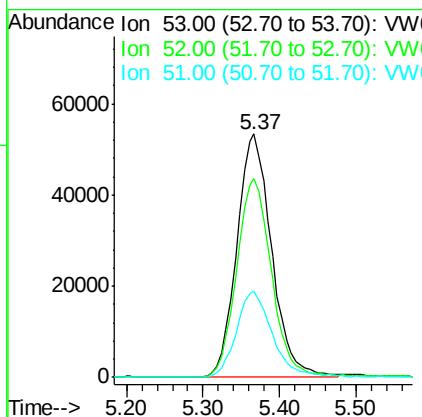
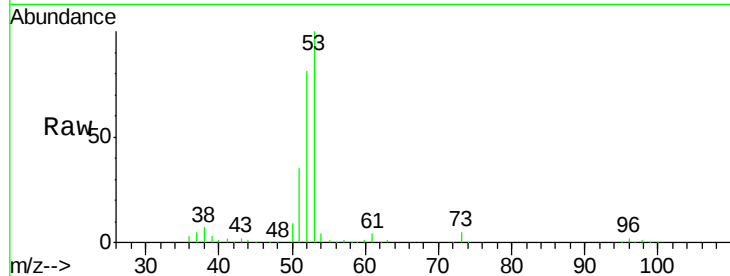
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	168418
Ion	Ratio	Lower	Upper
53	100		
52	81.7	67.2	100.8
51	36.8	30.0	45.0

Manual Integrations
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8/13/2019 2:44:27 PM



#16

Acetone

Concen: 201.974 ug/l

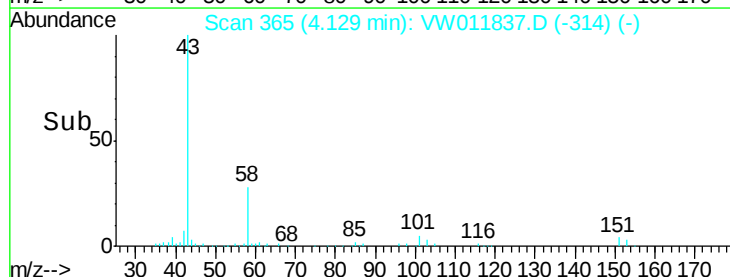
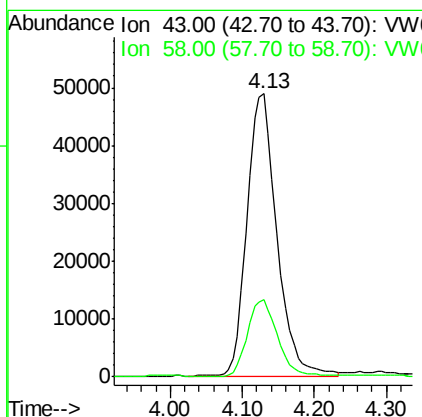
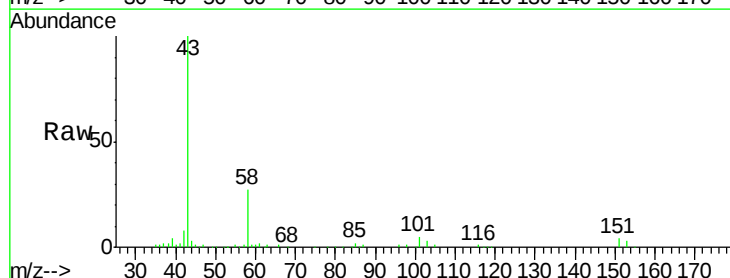
RT: 4.13 min Scan# 365

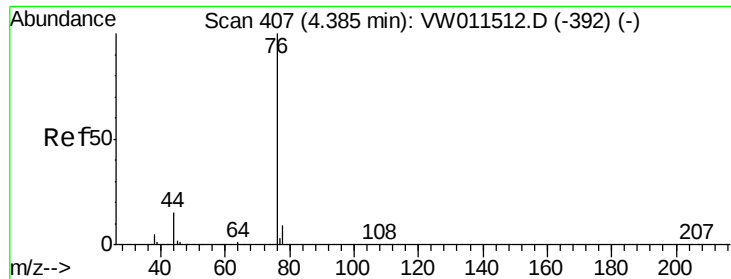
Delta R.T. 0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	43	Resp:	140446
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.3	33.5





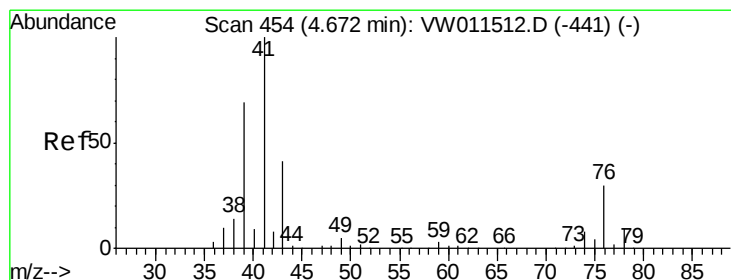
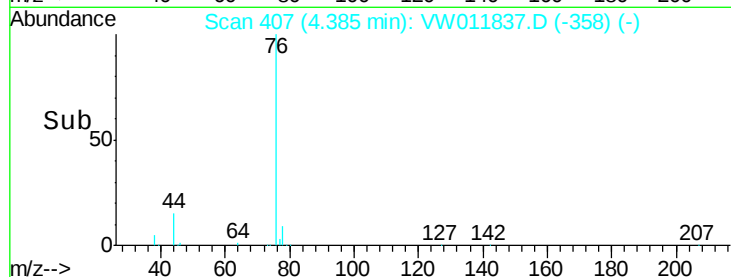
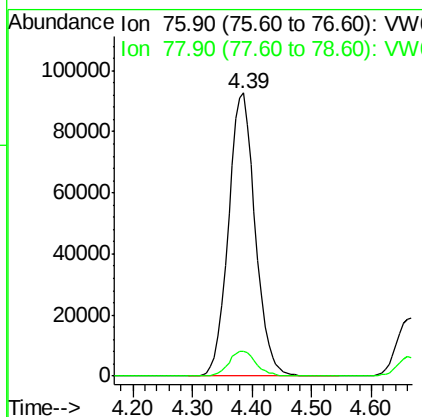
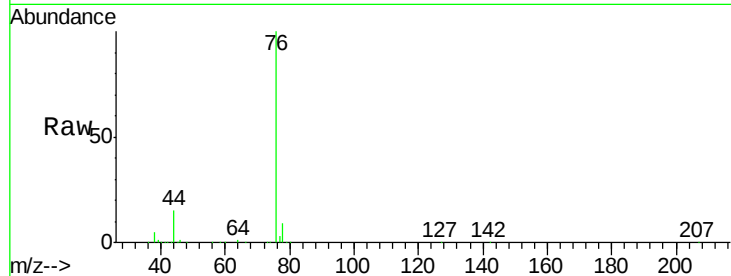
#17
Carbon Disulfide
Concen: 46.412 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

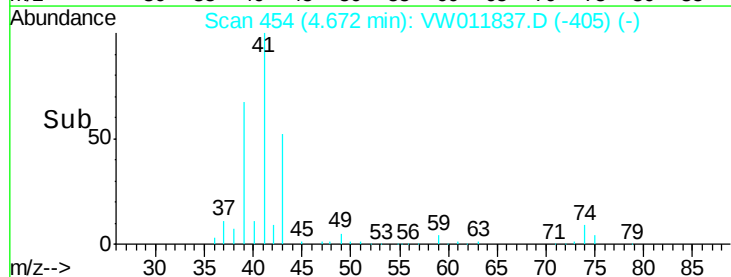
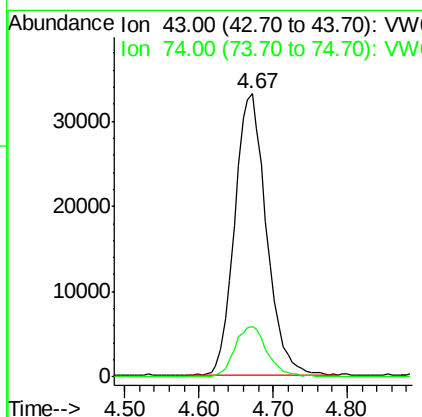
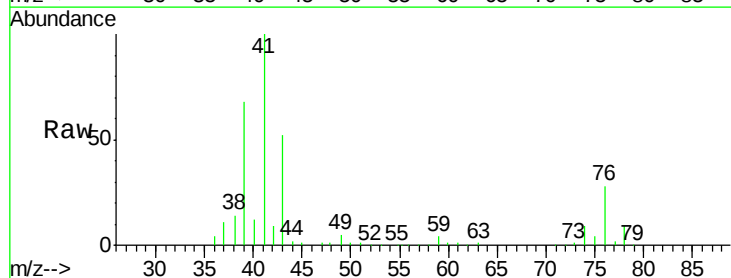
Manual Integrations
APPROVED

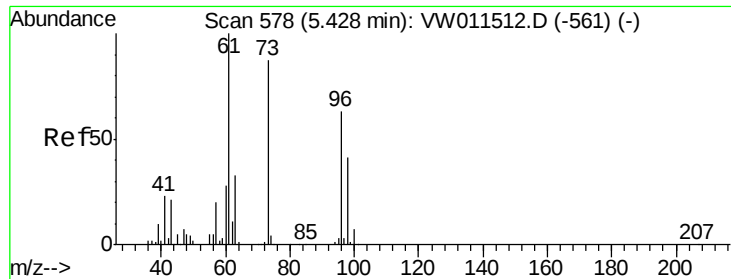
MMDadoda
8/13/2019 2:44:27 PM



#18
Methyl Acetate
Concen: 63.641 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.3	15.9	23.9





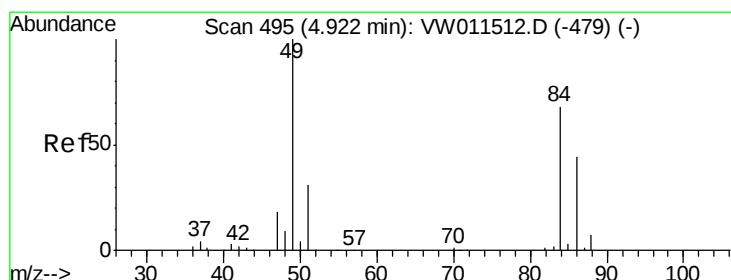
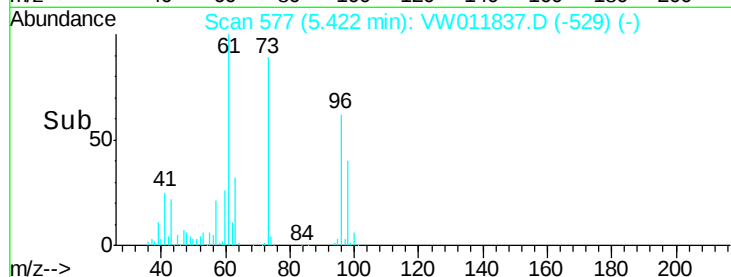
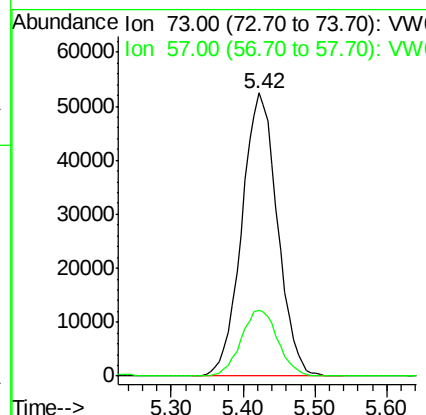
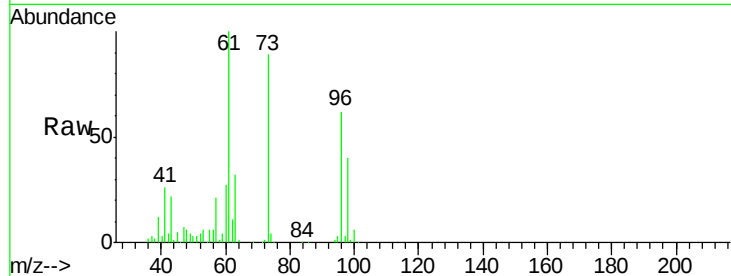
#19
Methvl tert-butvl Ether
Concen: 57.090 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.4	27.6

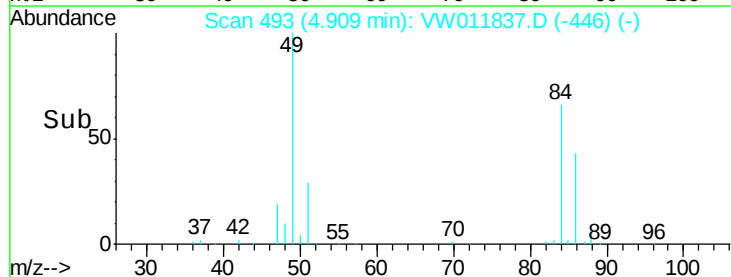
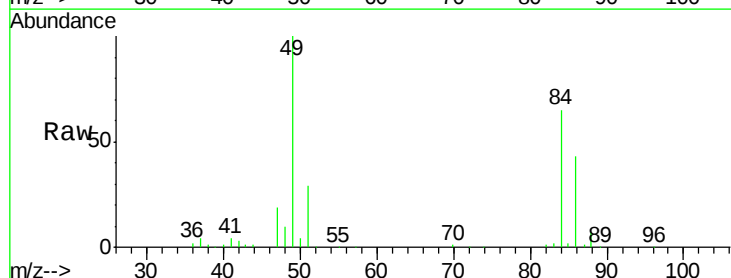
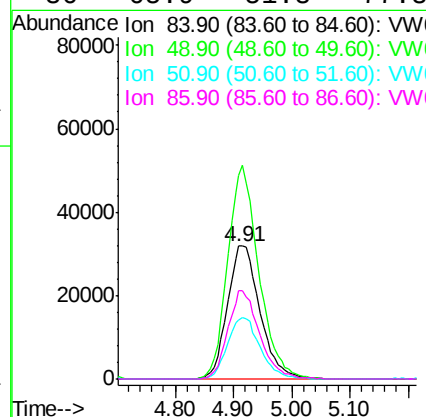
Manual Integrations
APPROVED

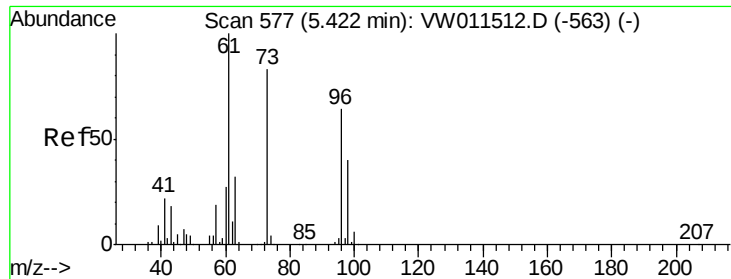
MMDadoda
8/13/2019 2:44:27 PM



#20
Methylene Chloride
Concen: 51.550 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.8	117.8	176.6
51	44.7	37.0	55.4
86	65.9	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.422 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

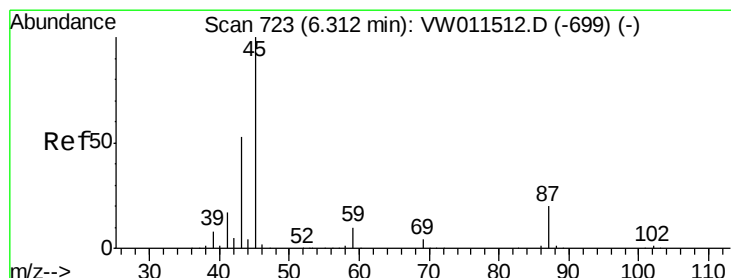
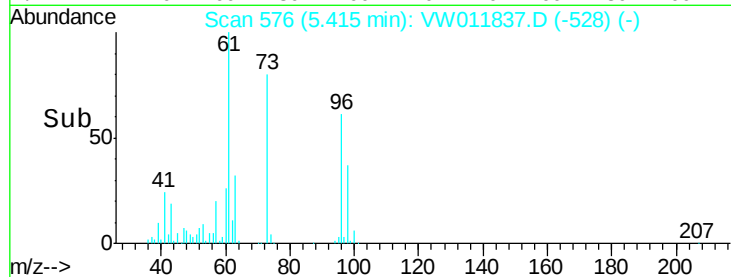
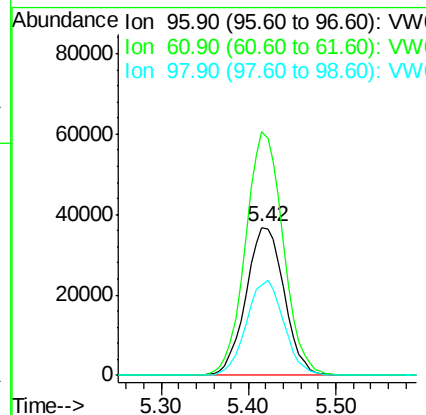
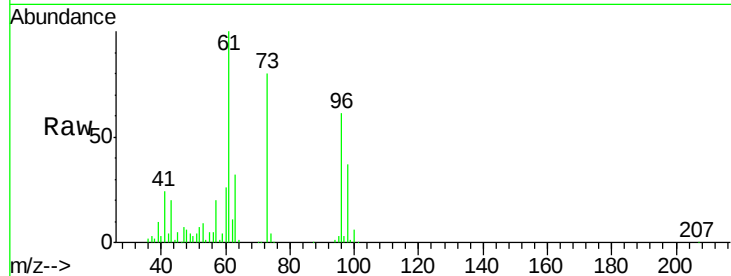
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	112054
Ion	Ratio	Lower	Upper
96	100		
61	164.9	125.7	188.5
98	61.1	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.934 ug/l

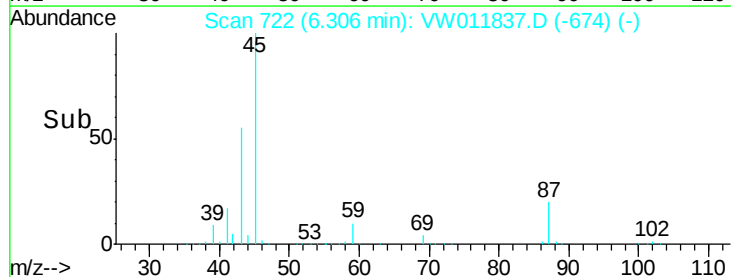
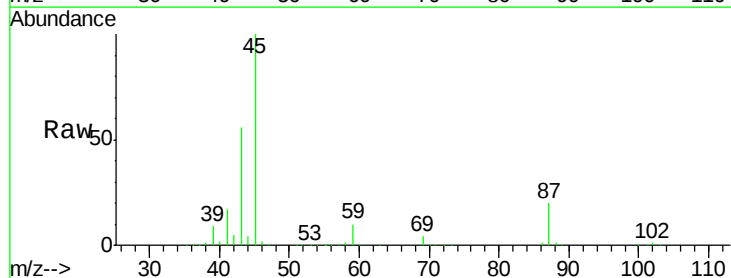
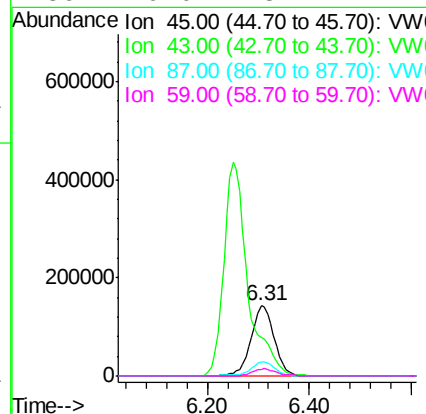
RT: 6.31 min Scan# 722

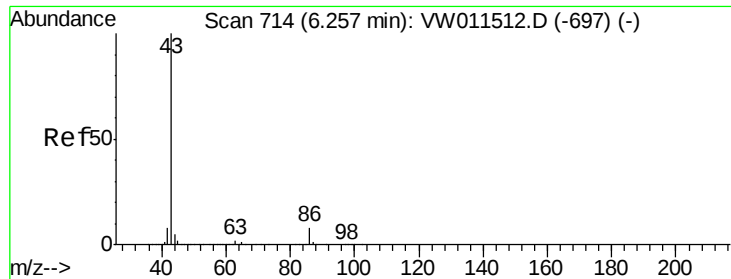
Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	45	Resp:	452647
Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.6	63.8
87	20.1	16.4	24.6
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 284.009 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1418822

Ion Ratio Lower Upper

43 100

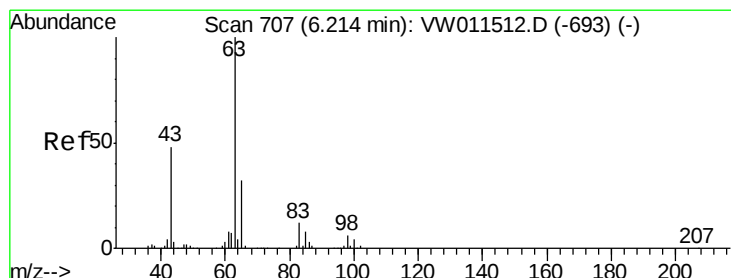
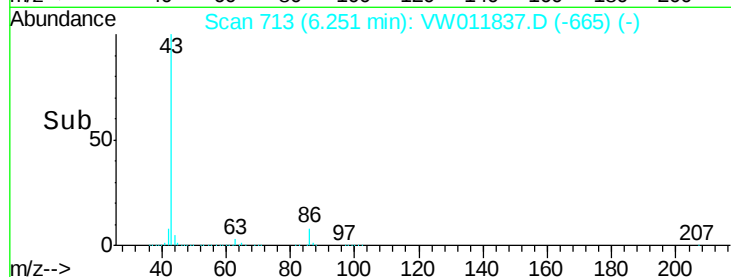
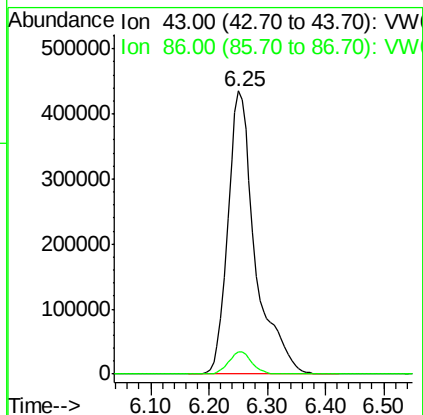
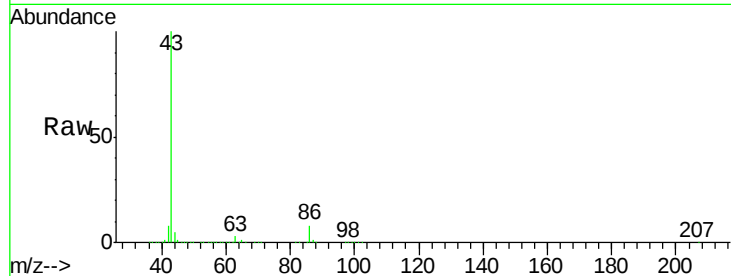
86 7.7 6.5 9.7

Manual Integrations

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8/13/2019 2:44:27 PM



#24

1,1-Dichloroethane

Concen: 54.397 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

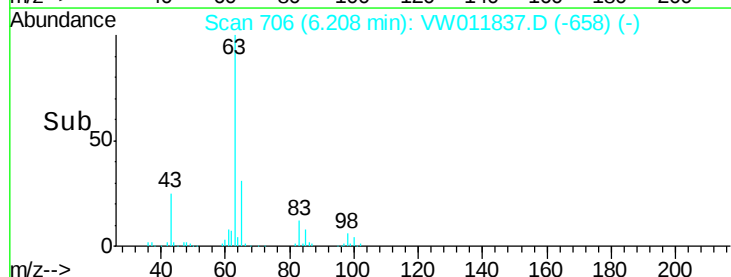
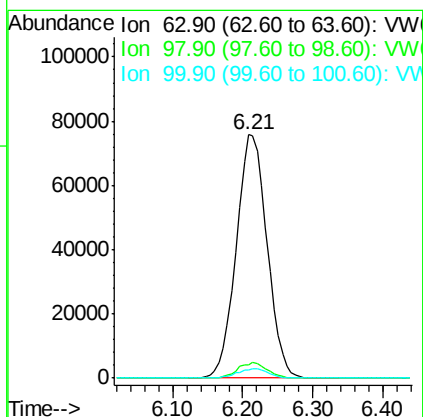
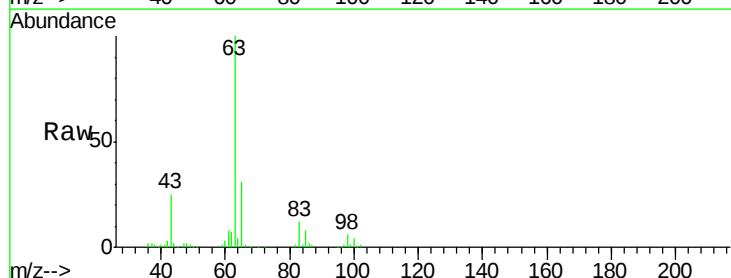
Tgt Ion: 63 Resp: 231620

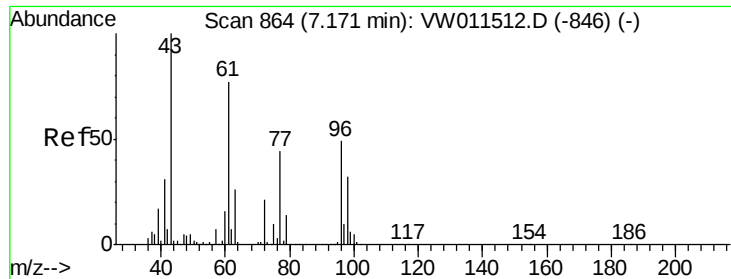
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 261.743 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 238162

Ion Ratio Lower Upper

43 100

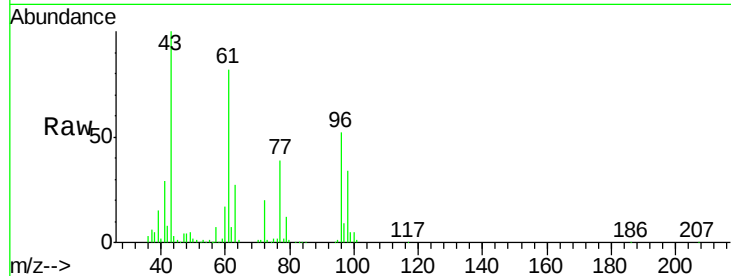
72 19.9 16.6 24.8

Manual Integrations

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MMDadoda

8/13/2019 2:44:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

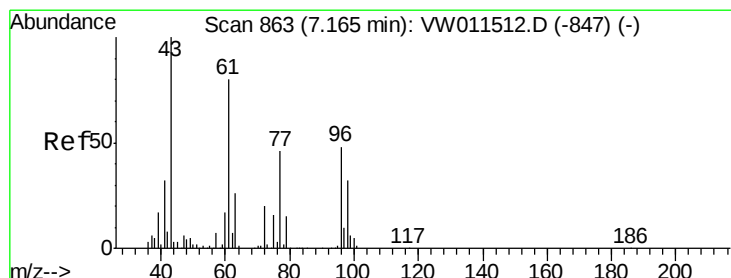
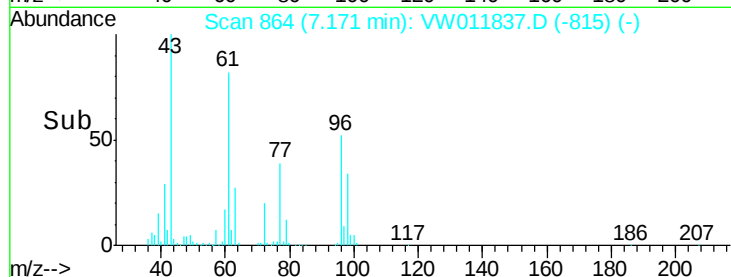
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 41.612 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011837.D

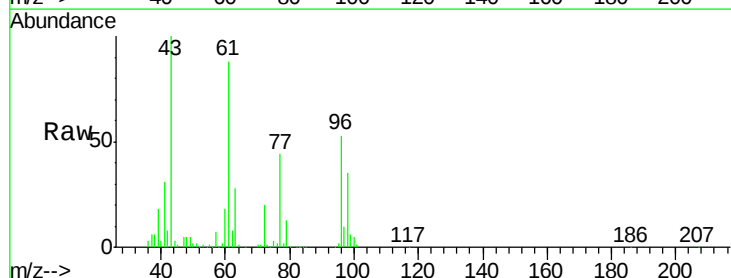
Acq: 10 Aug 2019 02:52

Tgt Ion: 77 Resp: 108966

Ion Ratio Lower Upper

77 100

97 22.9 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

40000

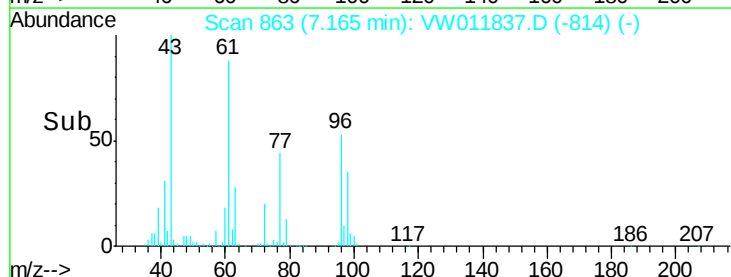
30000

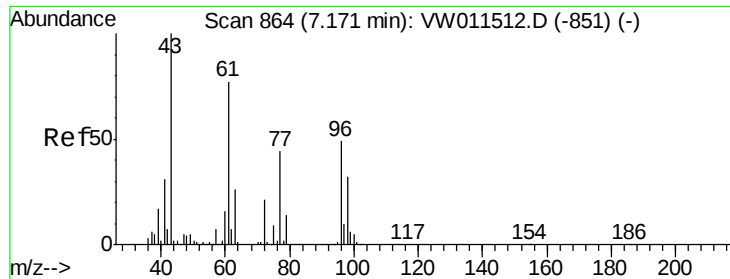
20000

10000

0

Time--> 7.00 7.10 7.20 7.30





#27

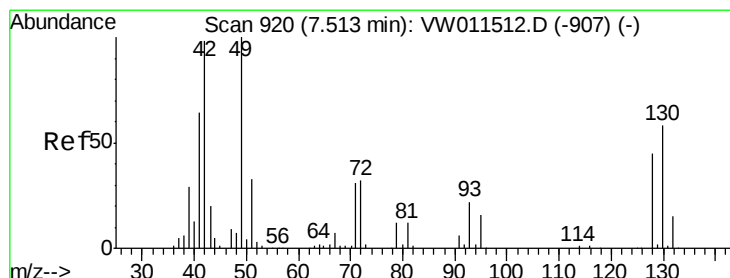
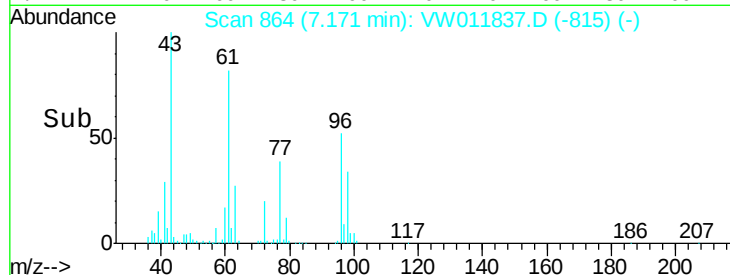
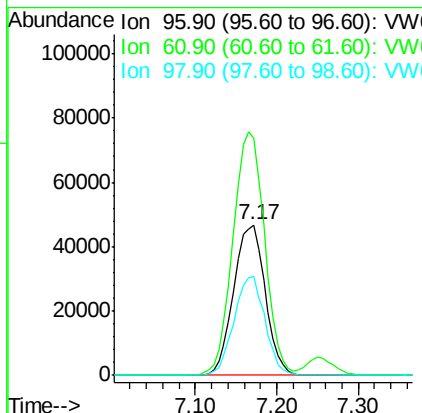
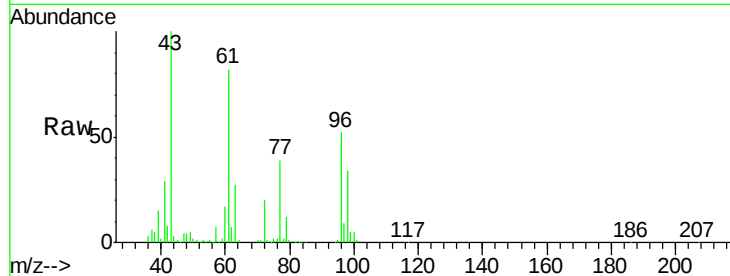
cis-1,2-Dichloroethene
 Concen: 53.294 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	328.4
98	64.2	0.0	128.8

Manual Integrations
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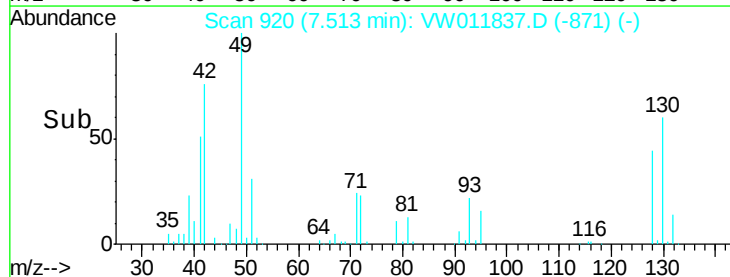
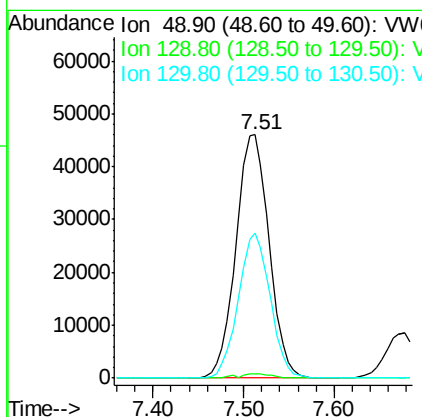
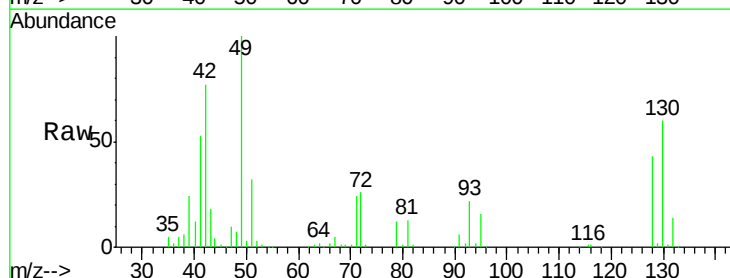
MMDadoda
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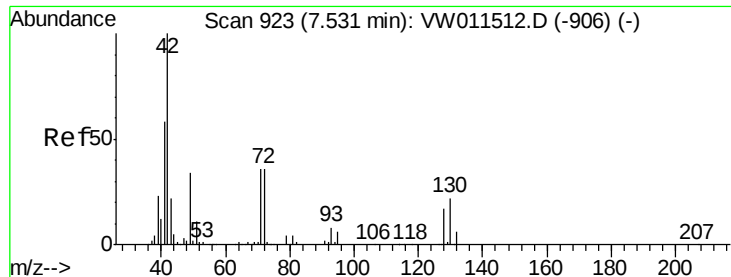


#28

Bromochloromethane
 Concen: 61.931 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.0#
130	57.1	46.3	69.5





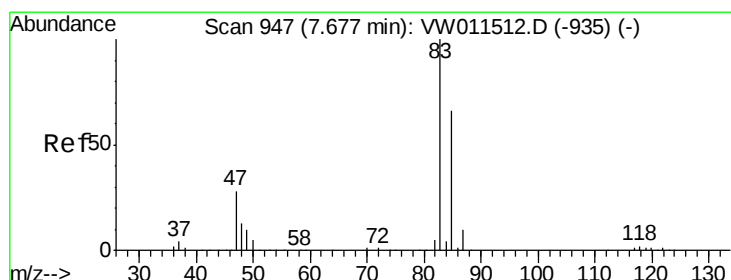
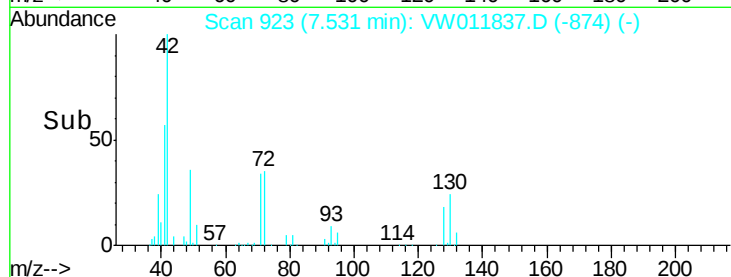
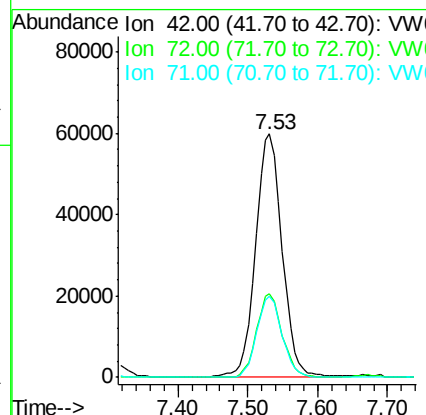
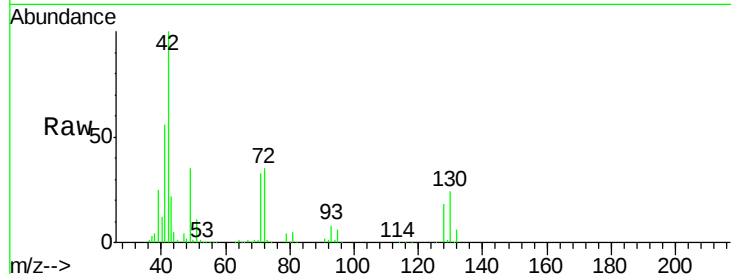
#29
Tetrahydrofuran
Concen: 302.774 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	157476
Ion	Ratio	Lower	Upper
42	100		
72	33.4	27.1	40.7
71	31.7	26.2	39.4

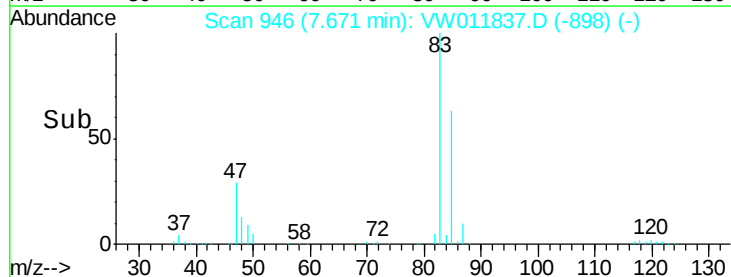
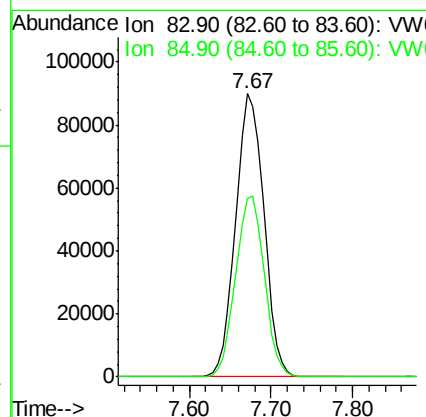
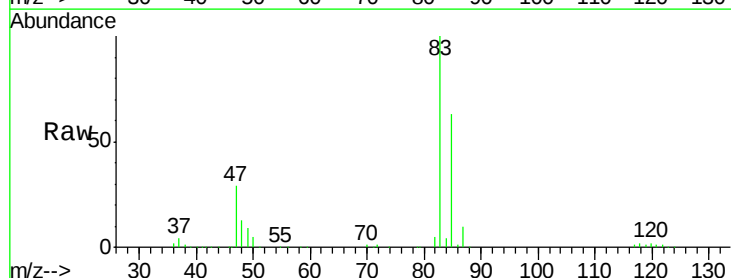
Manual Integrations
APPROVED

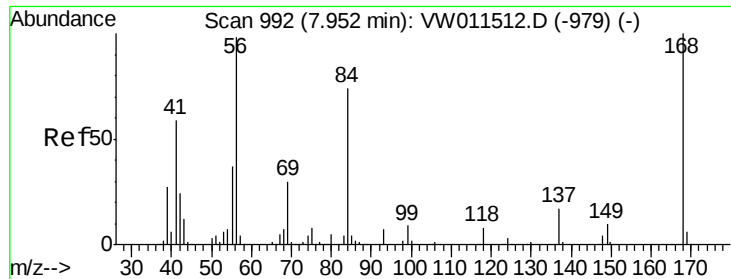
MMDadoda
8/13/2019 2:44:27 PM



#30
Chloroform
Concen: 54.892 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion:	83	Resp:	215633
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7





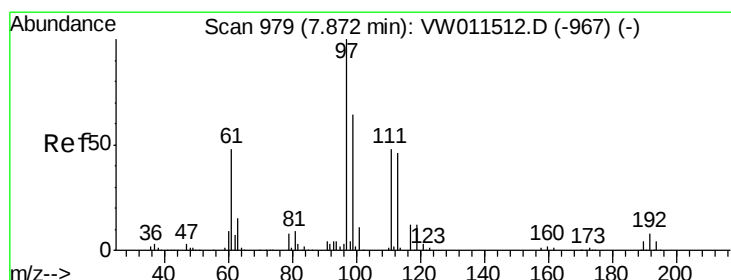
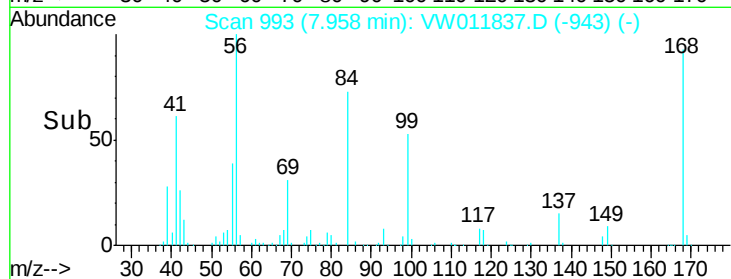
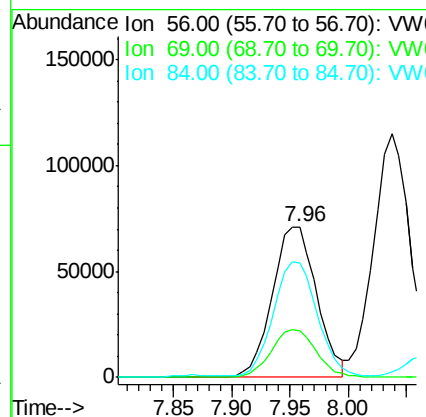
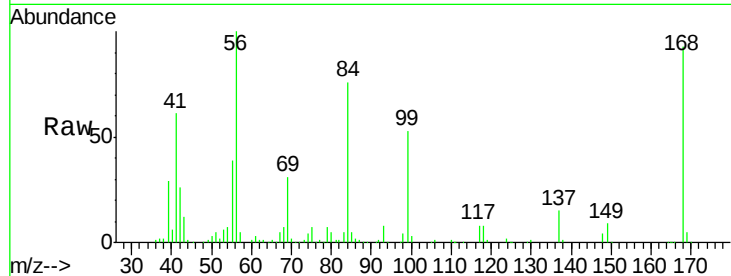
#31
Cyclohexane
Concen: 45.852 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.3	36.5
84	74.1	60.4	90.6

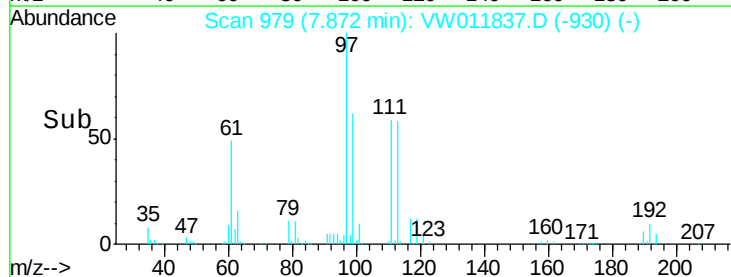
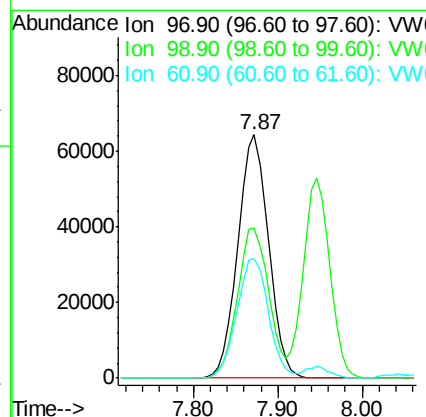
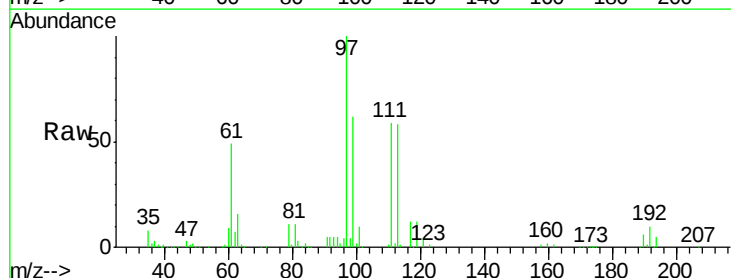
Manual Integrations
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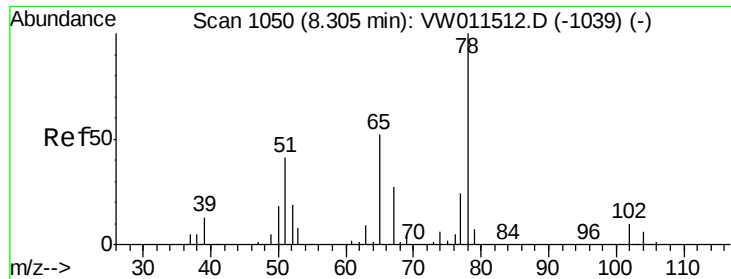
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 53.030 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	50.8	39.8	59.6





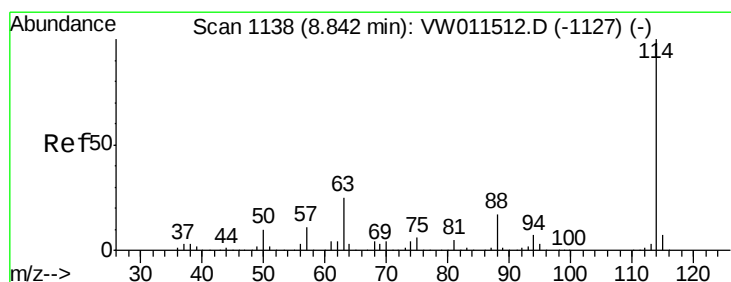
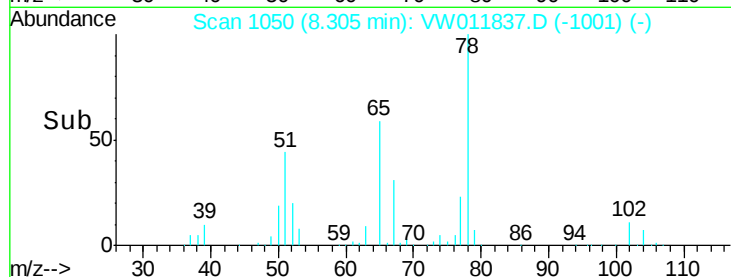
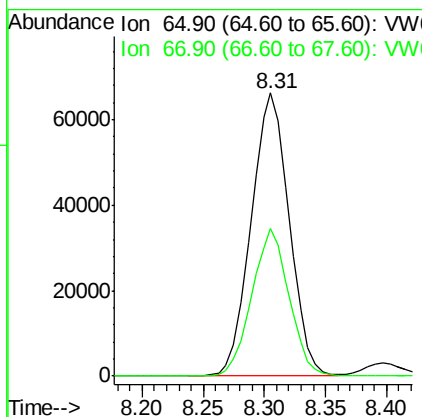
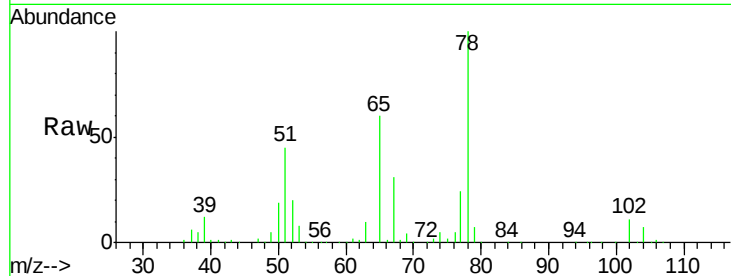
#33
 1,2-Dichloroethane-d4
 Concen: 65.597 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143396		
67	51.2	0.0	105.2	

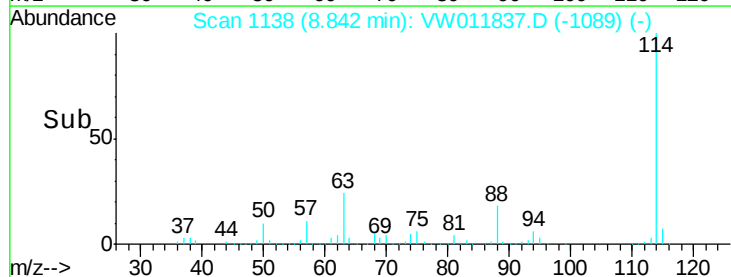
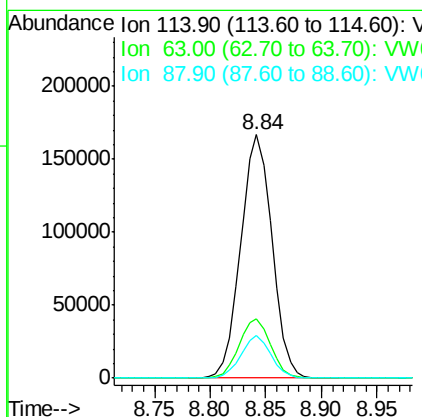
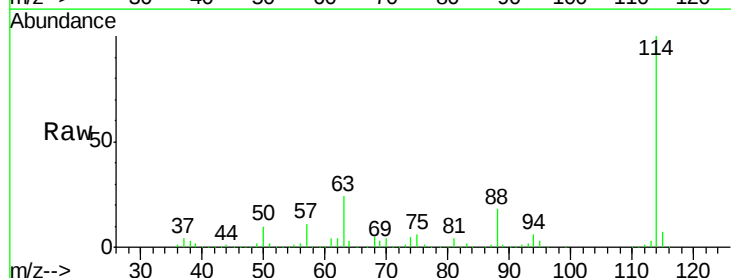
Manual Integrations
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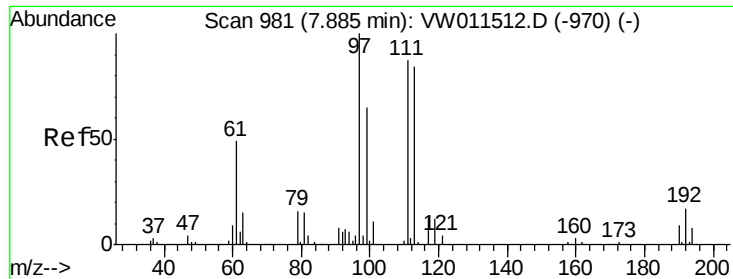
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326000		
63	24.4	0.0	49.2	
88	17.6	0.0	33.8	





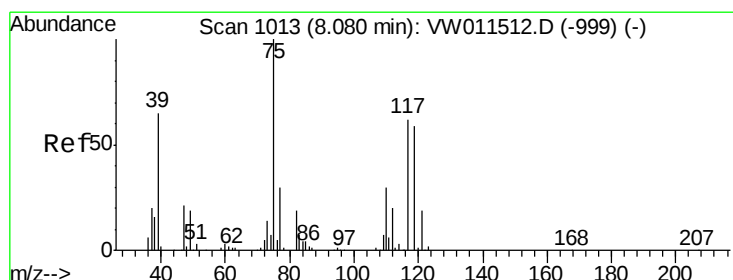
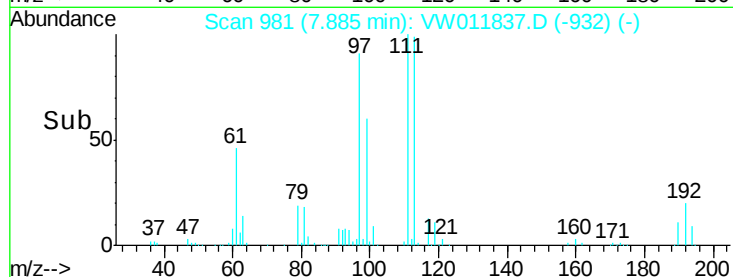
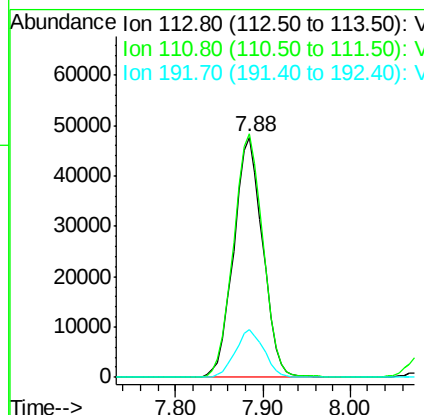
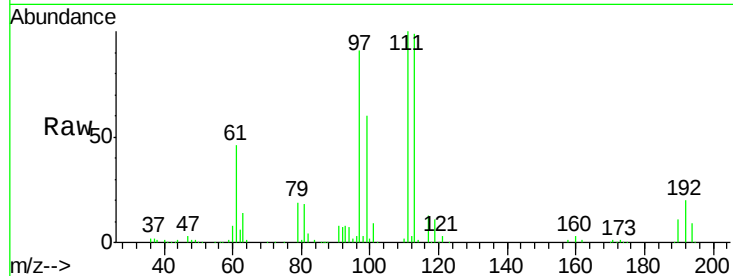
#35
 Dibromofluoromethane
 Concen: 60.111 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109938		
111	103.4	82.7	124.1	
192	19.8	16.1	24.1	

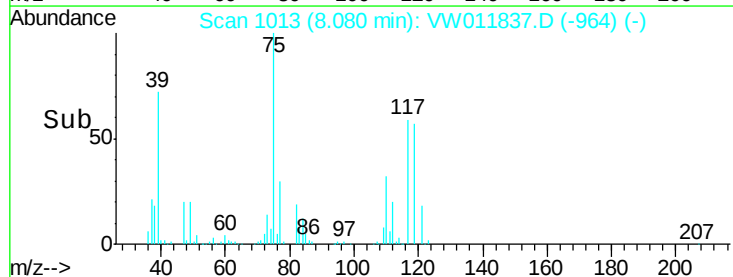
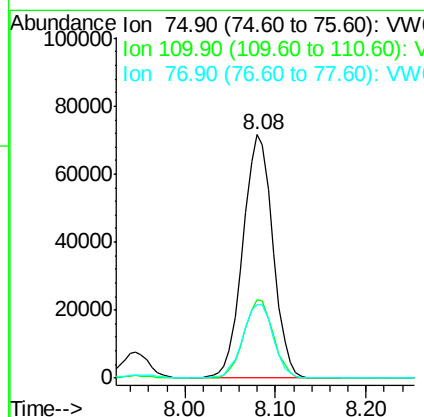
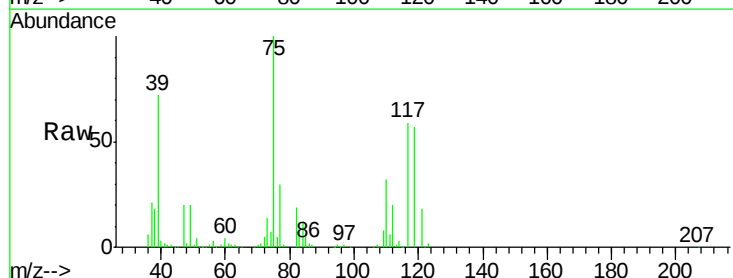
Manual Integrations
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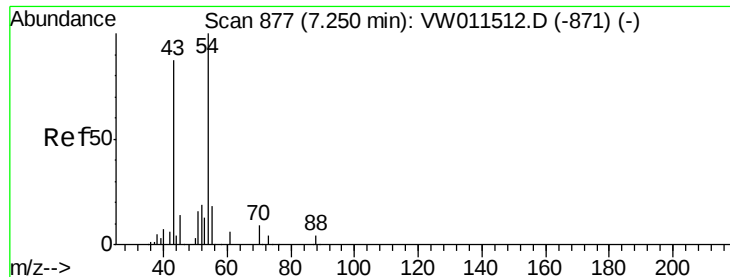
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#36
 1,1-Dichloropropene
 Concen: 48.397 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164056		
110	31.6	15.6	46.8	
77	31.0	24.3	36.5	





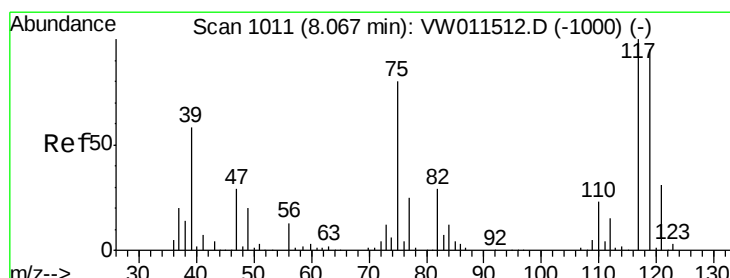
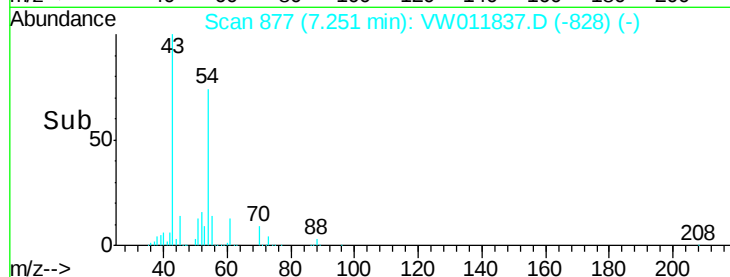
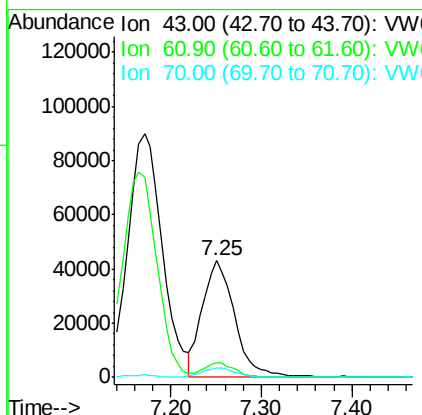
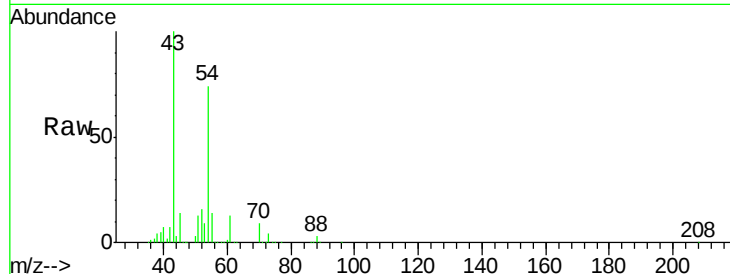
#37
Ethyl Acetate
Concen: 54.473 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	106235		
61	12.6		8.8	13.2
70	8.7		7.1	10.7

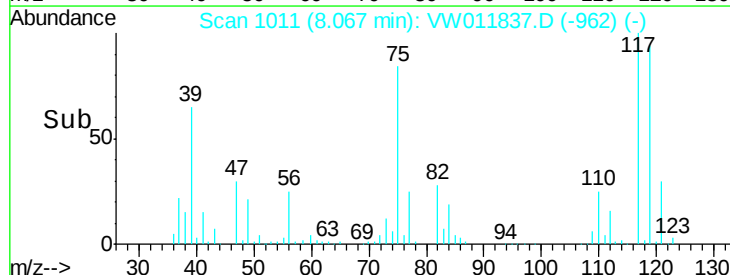
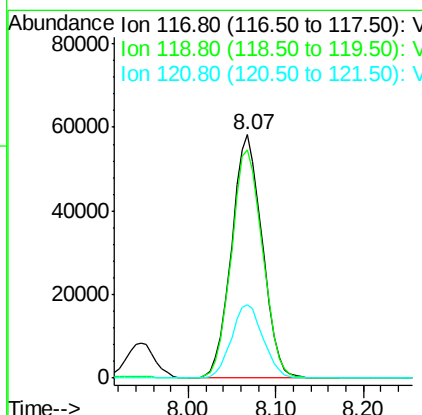
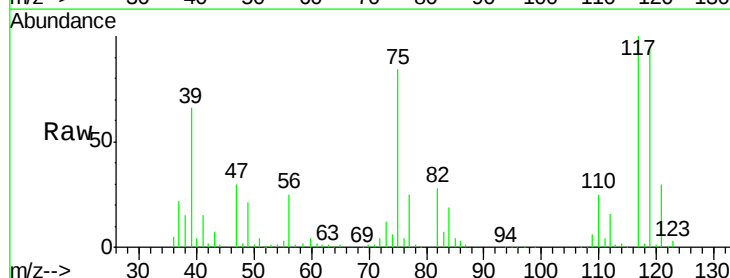
Manual Integrations
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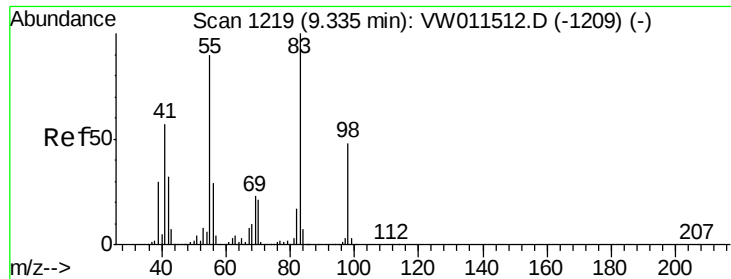
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#38
Carbon Tetrachloride
Concen: 48.990 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	142163		
119	93.6		75.8	113.6
121	30.2		24.7	37.1





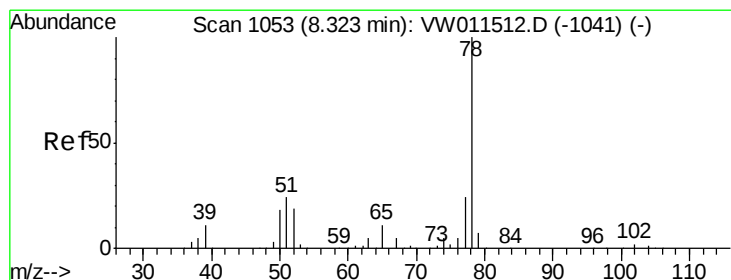
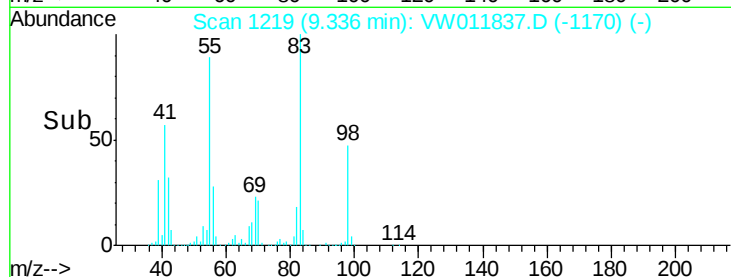
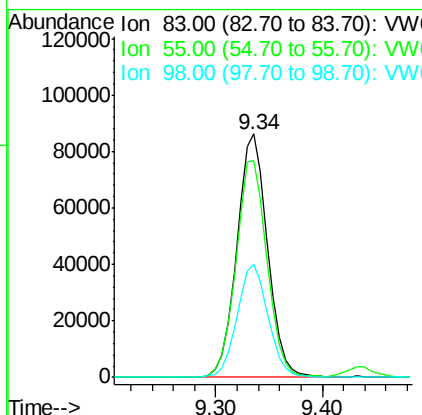
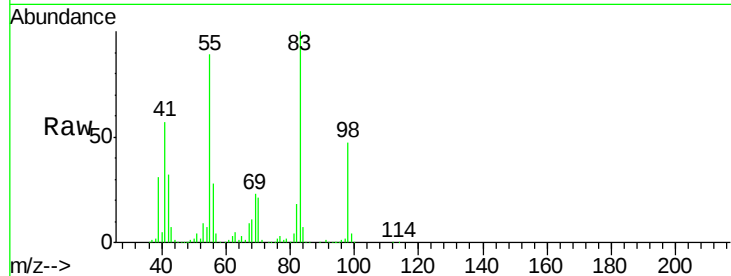
#39
Methvlcvclohexane
Concen: 46.724 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	72.1	108.1
98	46.6	38.6	57.8

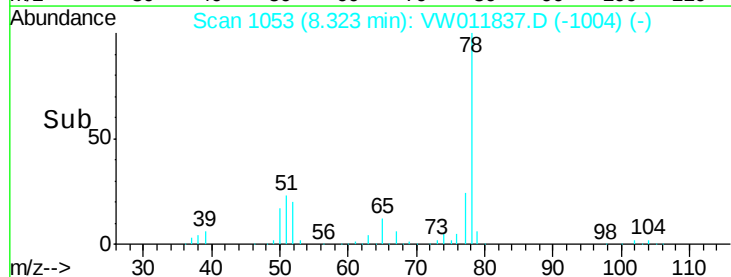
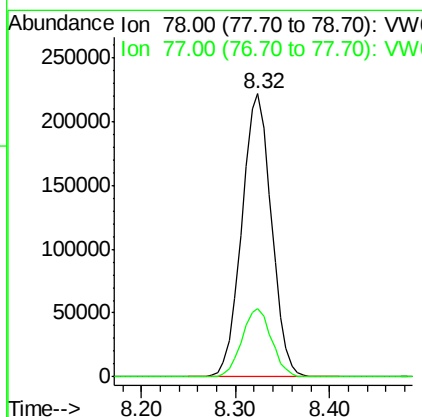
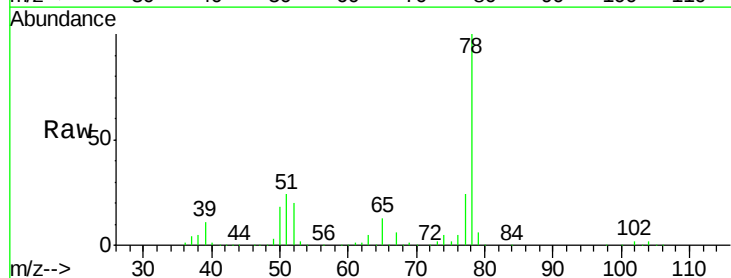
Manual Integrations
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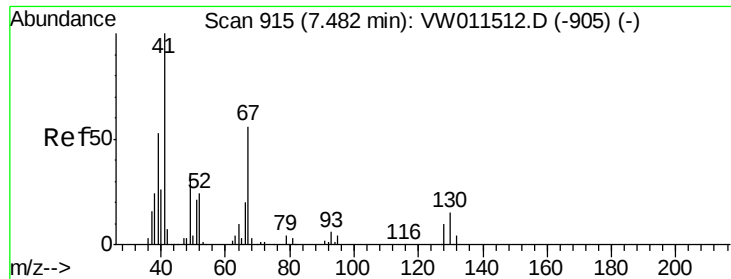
MMDadoda
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#40
Benzene
Concen: 51.016 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





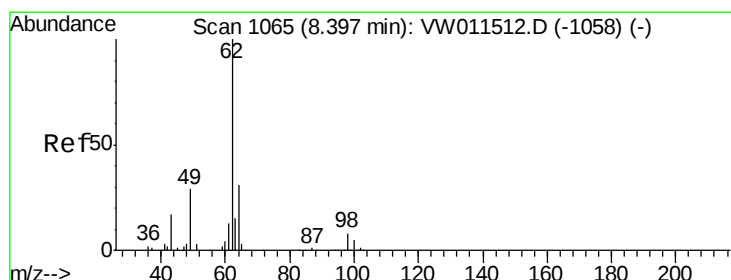
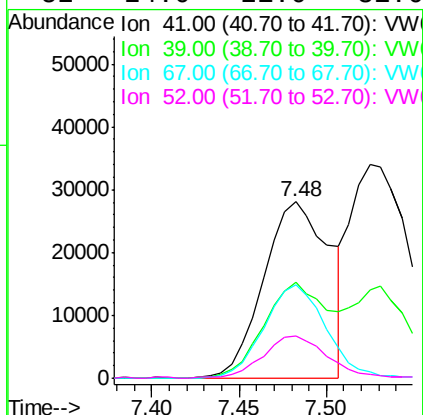
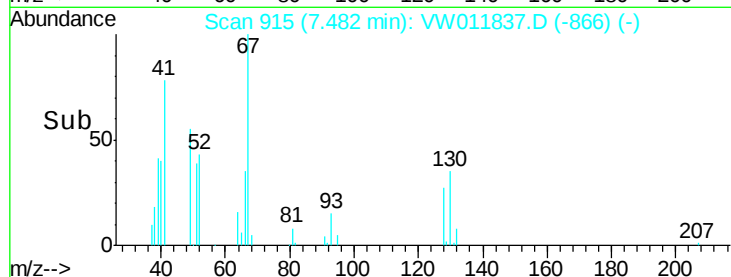
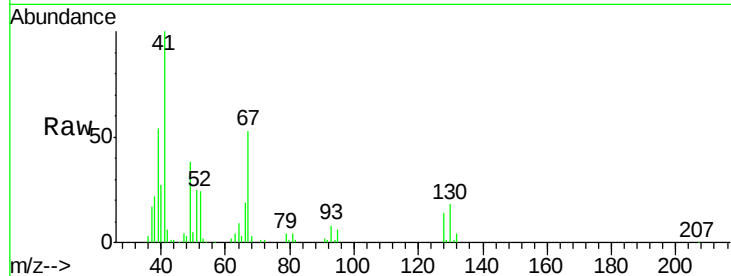
#41
Methacrylonitrile
Concen: 63.311 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	43.0	64.4	
67	50.4	47.5	71.3	
52	24.0	21.0	31.6	

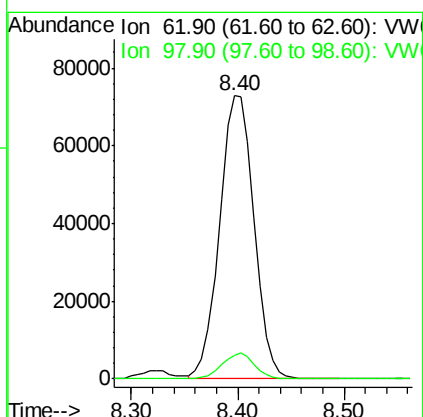
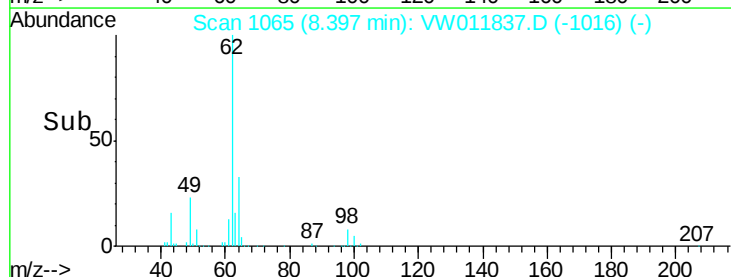
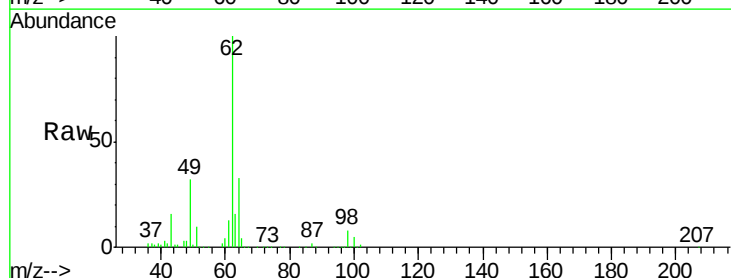
Manual Integrations
APPROVED

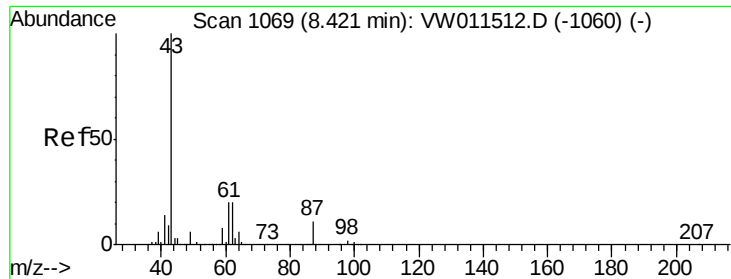
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.245 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.8	





#43

Isopropyl Acetate

Concen: 56.755 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

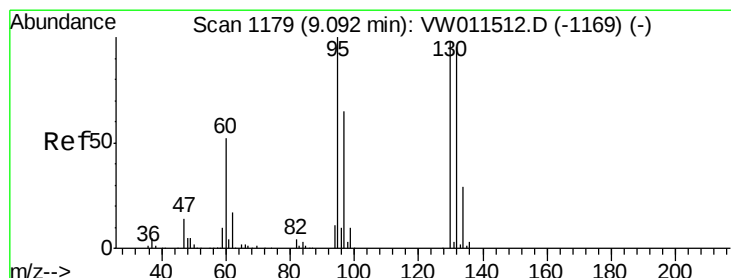
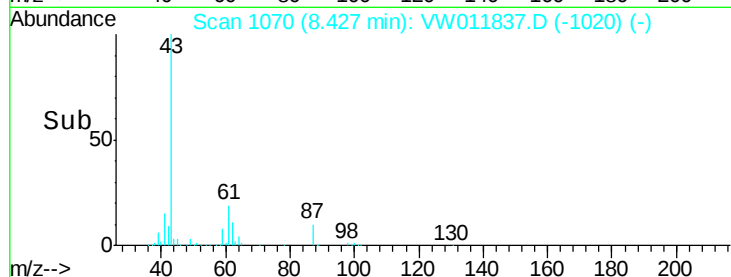
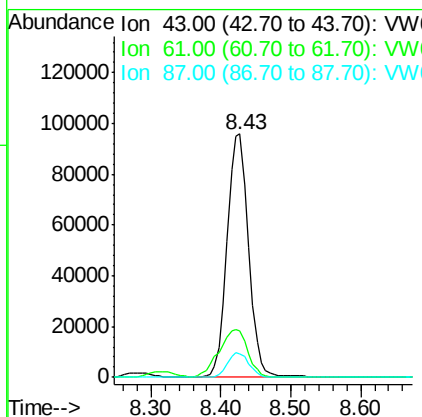
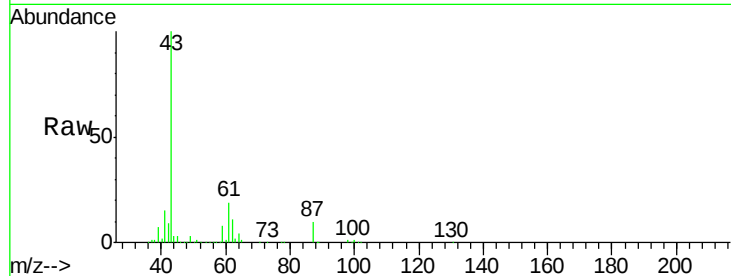
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	203560
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.5	32.3
87	10.3	8.4	12.6

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#44

Trichloroethene

Concen: 50.058 ug/l

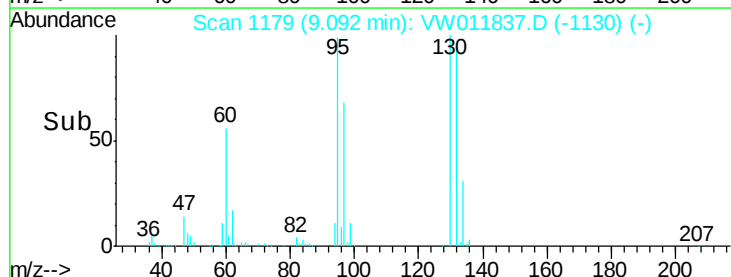
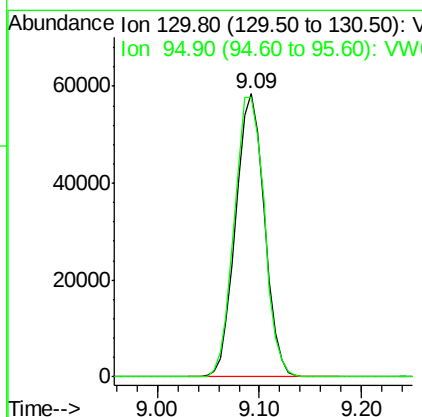
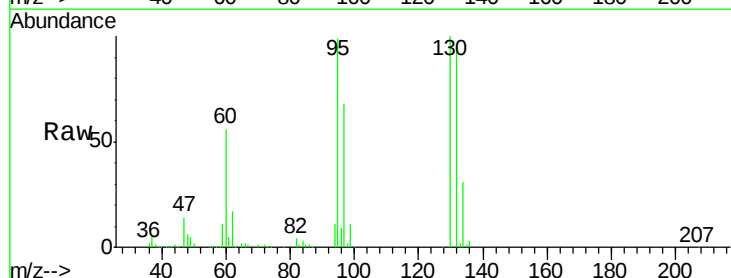
RT: 9.09 min Scan# 1179

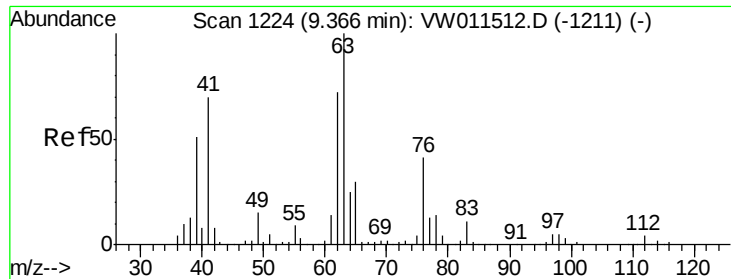
Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	130	Resp:	114238
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	204.8





#45

1,2-Dichloropropane

Concen: 53.121 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 134958

Ion Ratio Lower Upper

63 100

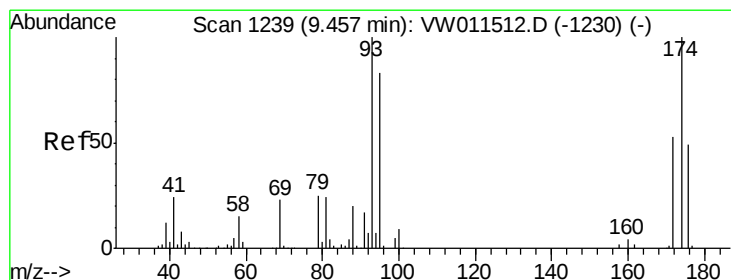
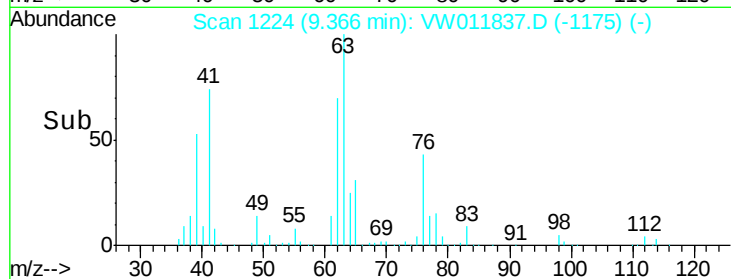
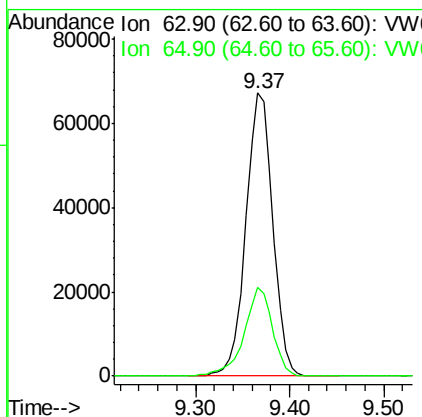
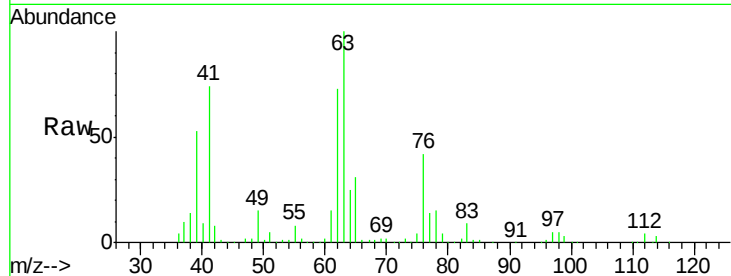
65 31.5 24.2 36.4

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#46

Dibromomethane

Concen: 54.961 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

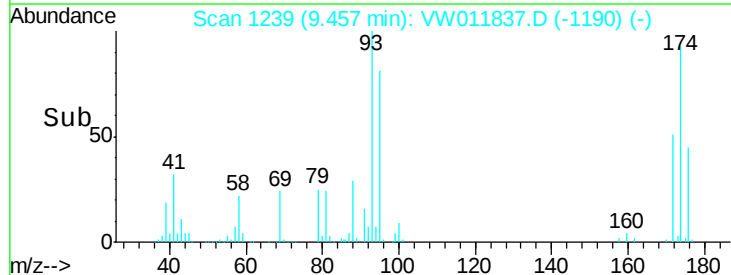
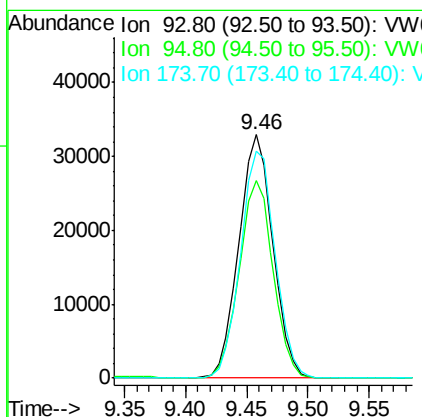
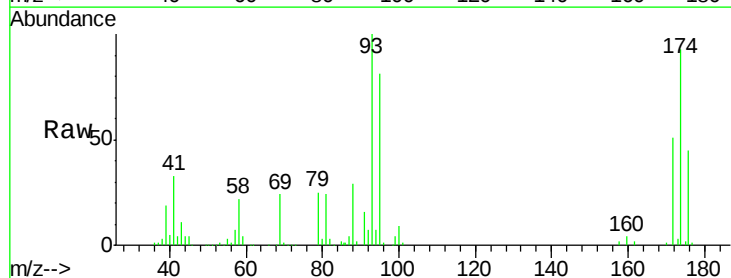
Tgt Ion: 93 Resp: 63731

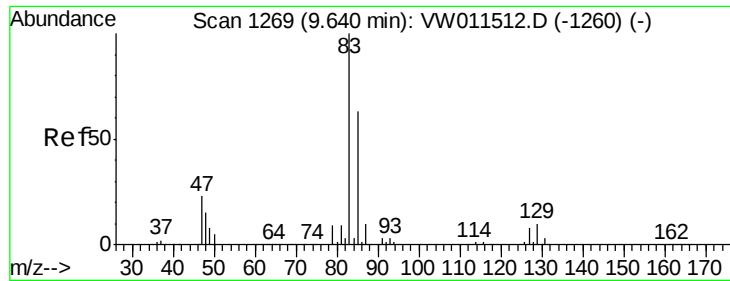
Ion Ratio Lower Upper

93 100

95 81.1 66.2 99.2

174 95.0 78.2 117.4





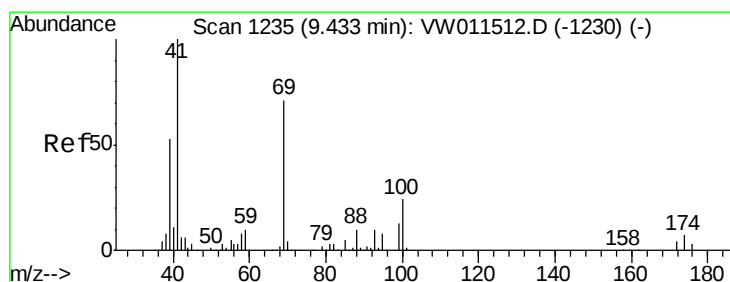
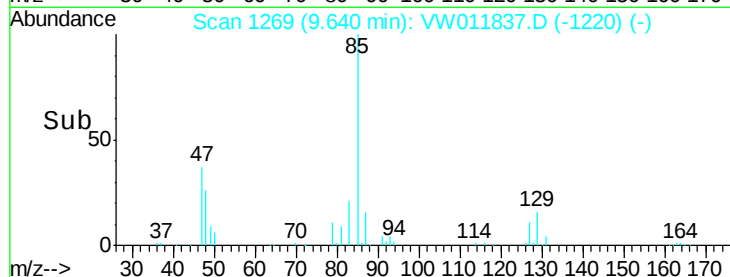
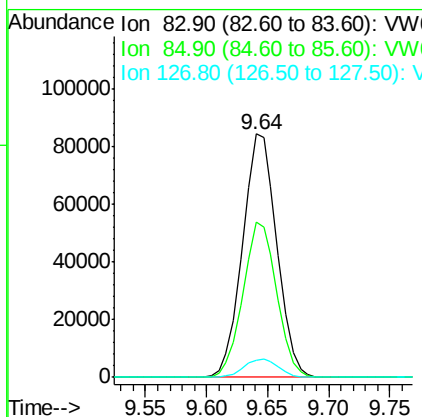
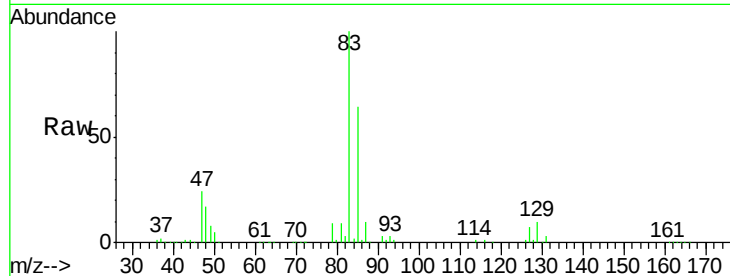
#47
Bromodichloromethane
Concen: 53.934 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	164050
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.5	75.7
127	7.2	6.4	9.6

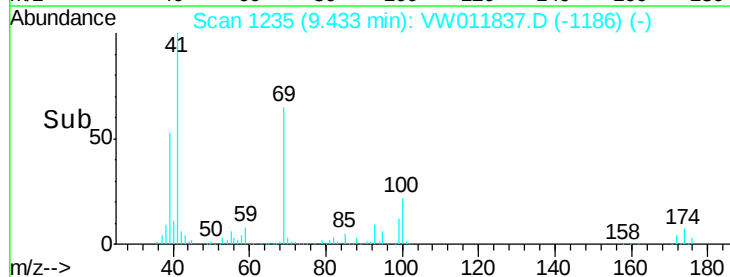
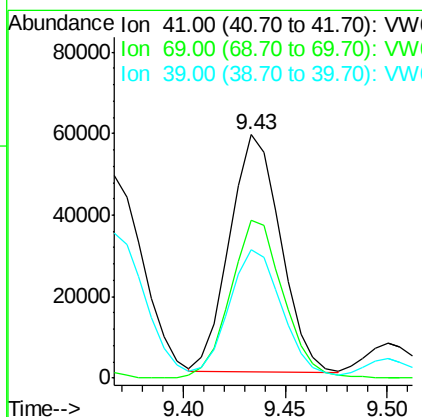
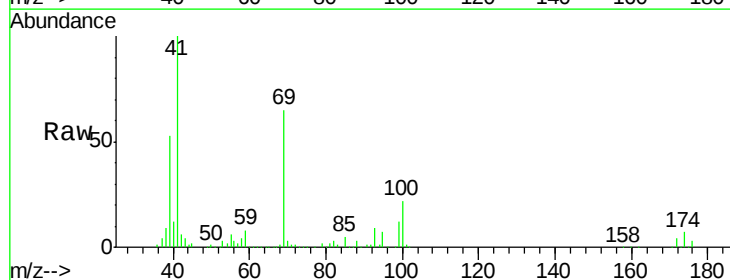
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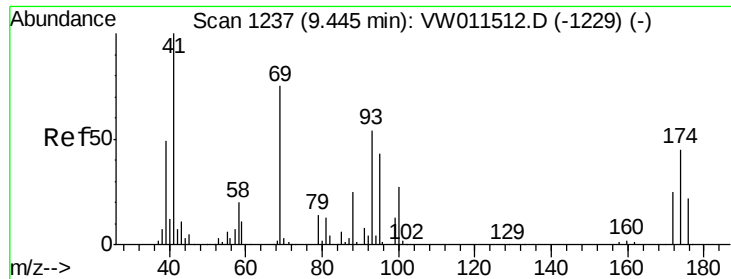
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8/13/2019 2:44:27 PM



#48
Methyl methacrylate
Concen: 58.404 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	41	Resp	100623
Ion Ratio	100	Lower	Upper
41	100		
69	69.2	57.1	85.7
39	56.8	45.4	68.2





#49

1,4-Dioxane

Concen: 1180.906 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 19827

Ion Ratio Lower Upper

88 100

43 39.6 34.0 51.0

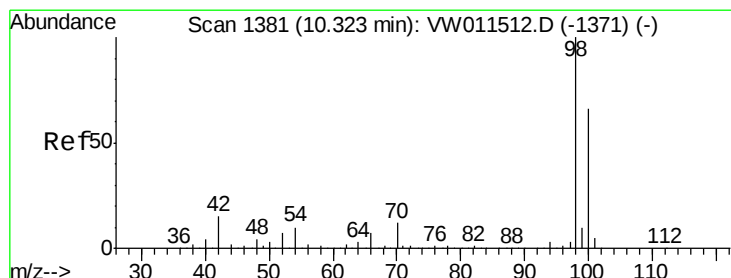
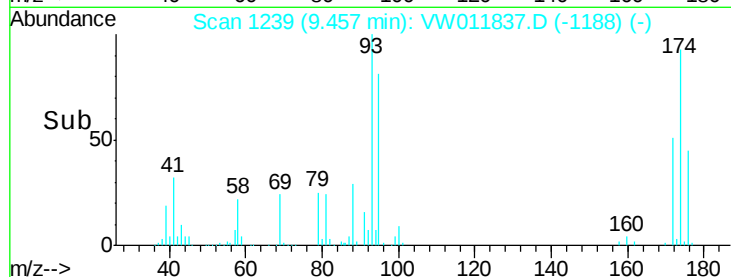
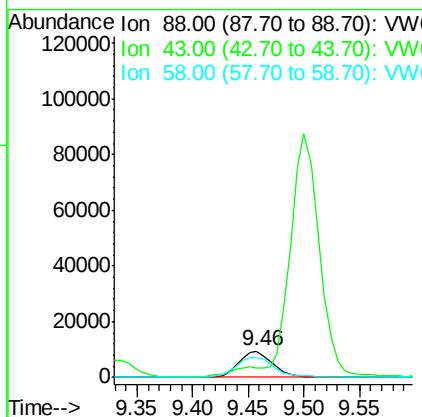
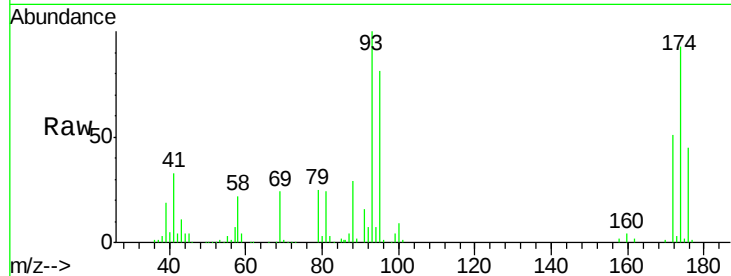
58 88.9 69.7 104.5

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8/13/2019 2:44:27 PM



#50

Toluene-d8

Concen: 57.659 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011837.D

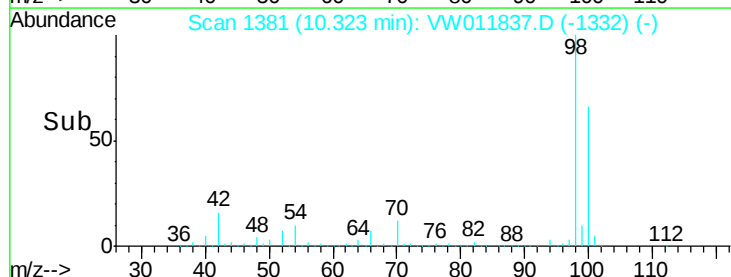
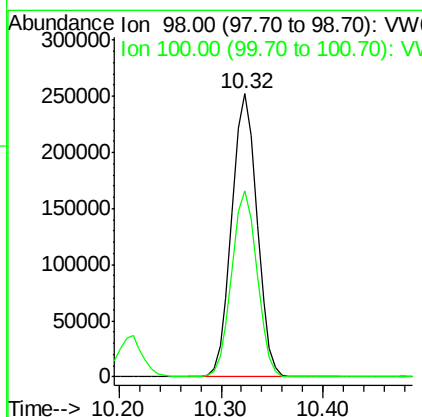
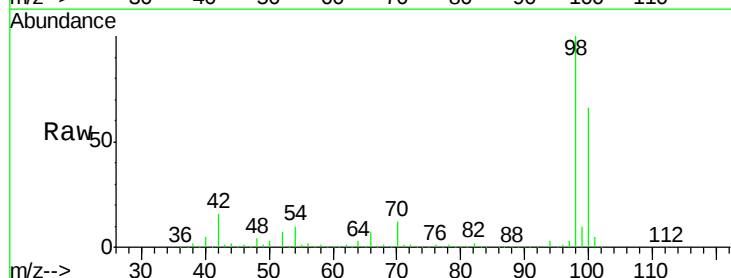
Acq: 10 Aug 2019 02:52

Tgt Ion: 98 Resp: 431760

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 290.305 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 541591

Ion Ratio Lower Upper

43 100

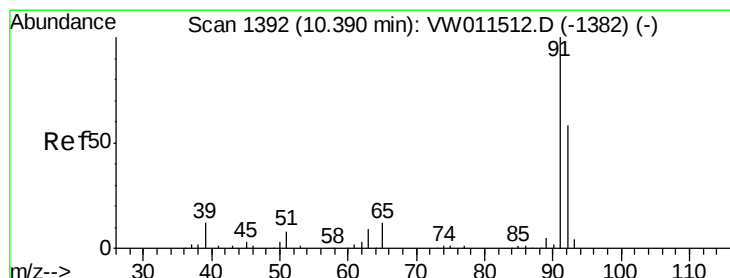
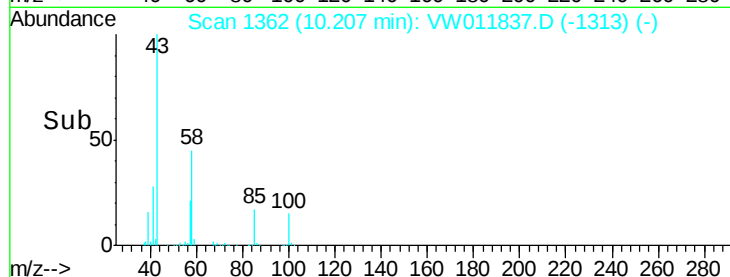
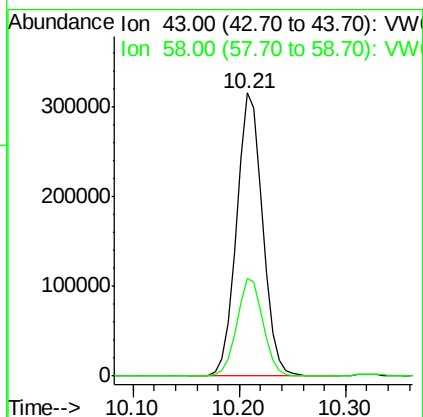
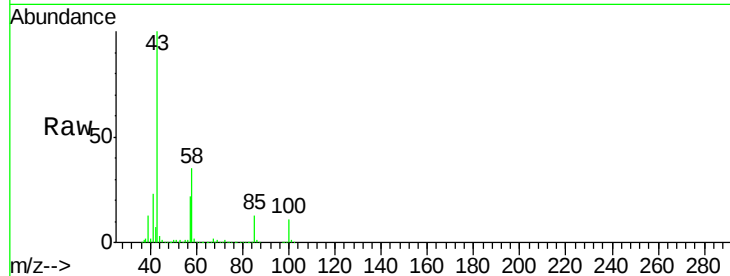
58 34.9 28.2 42.2

Manual Integrations

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8/13/2019 2:44:27 PM



#52

Toluene

Concen: 51.549 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011837.D

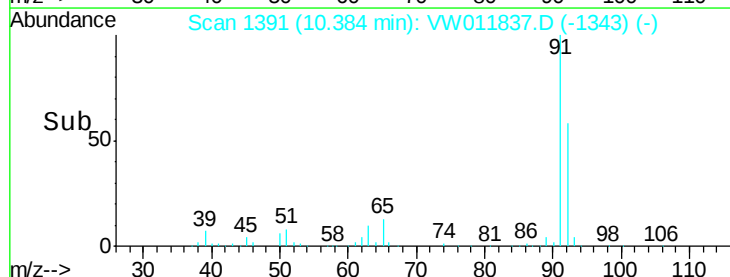
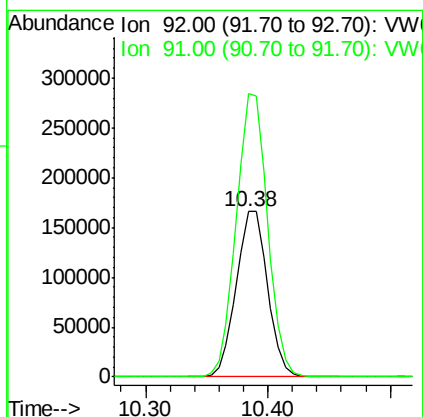
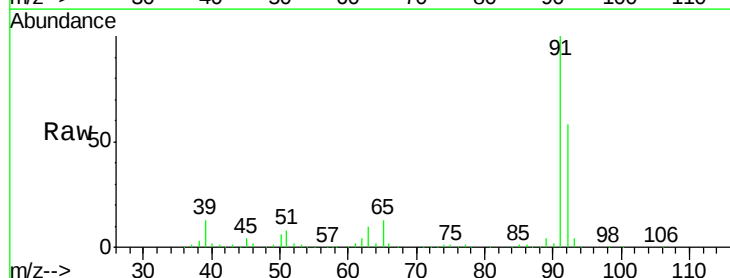
Acq: 10 Aug 2019 02:52

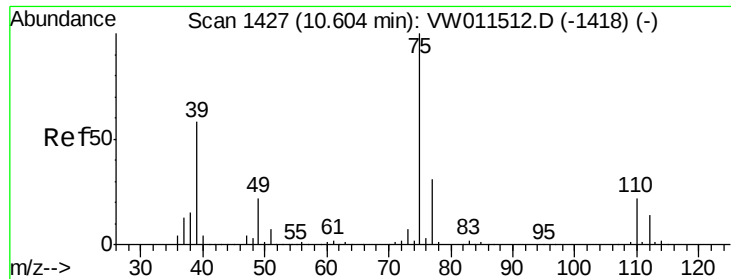
Tgt Ion: 92 Resp: 295584

Ion Ratio Lower Upper

92 100

91 170.6 136.7 205.1





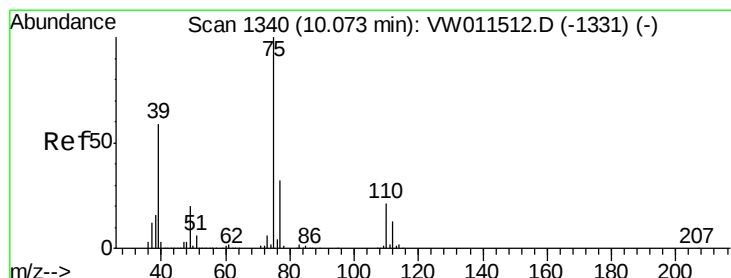
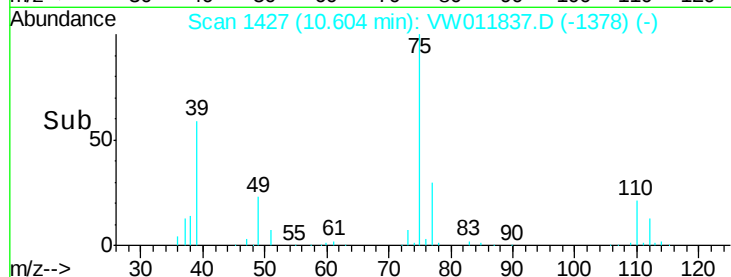
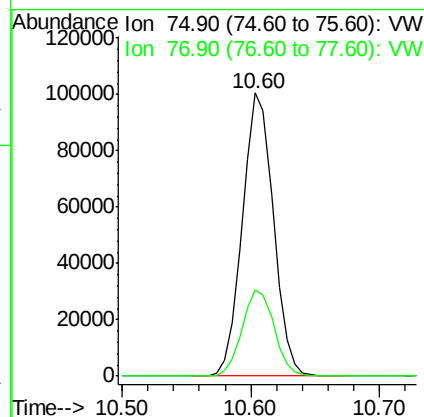
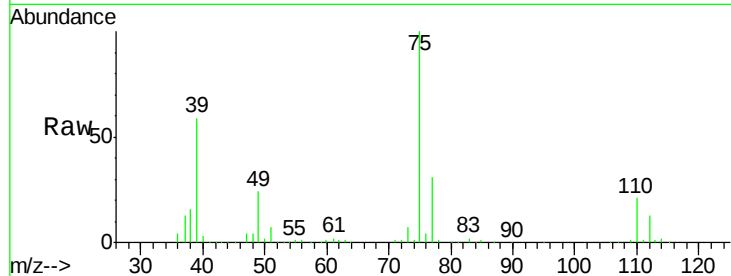
#53
t-1,3-Dichloropropene
Concen: 52.793 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	30.5	25.0	37.4	

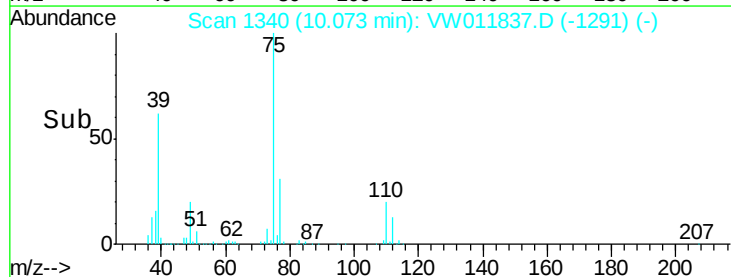
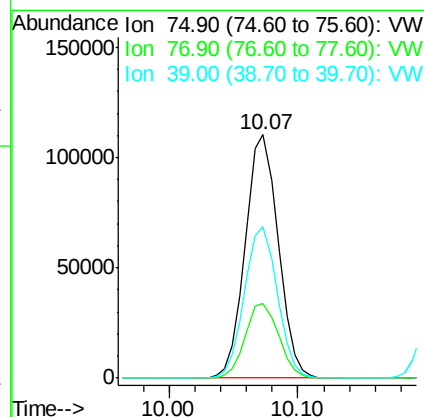
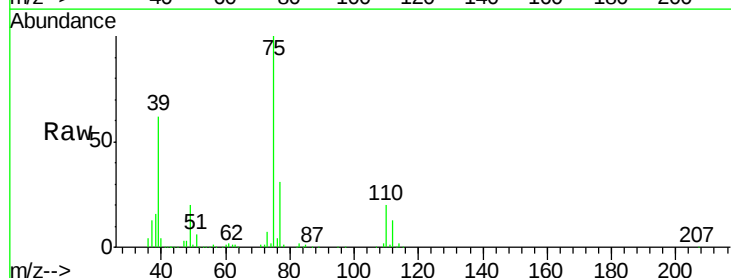
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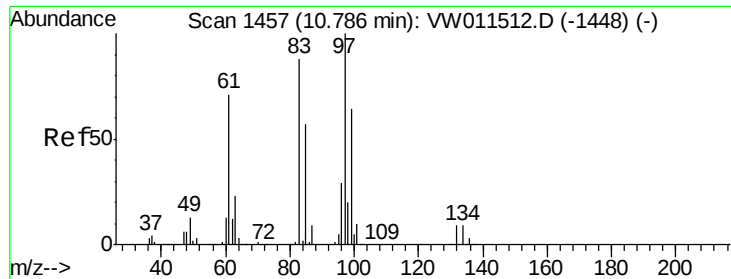
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.697 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
77	30.7	25.6	38.4	
39	62.3	47.0	70.4	





#55

1,1,2-Trichloroethane

Concen: 54.801 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

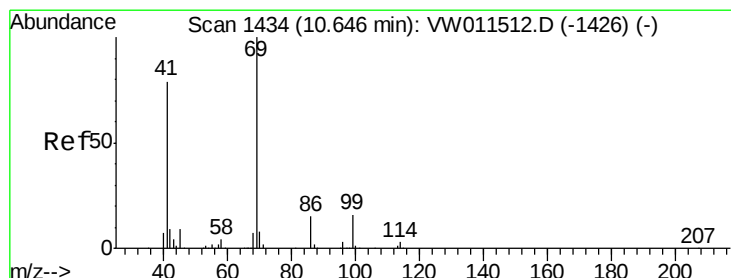
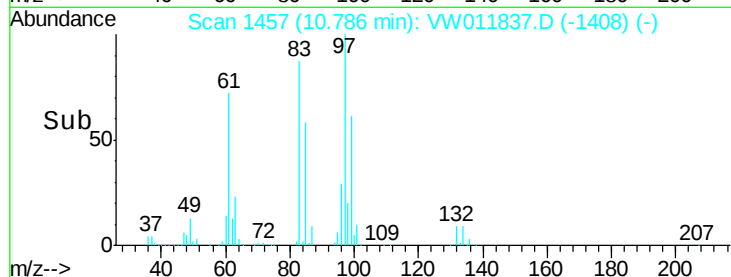
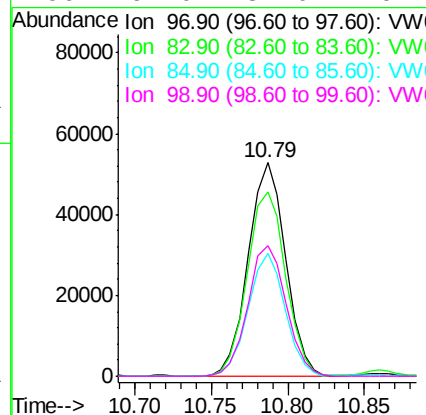
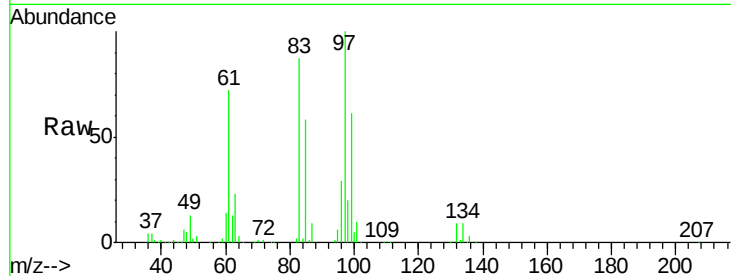
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	90160
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.5	105.7
85	57.7	45.8	68.6
99	61.0	51.0	76.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 57.221 ug/l

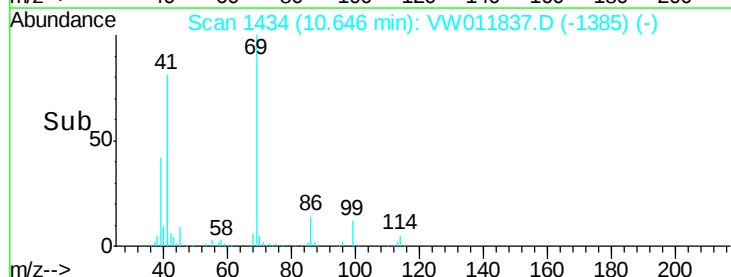
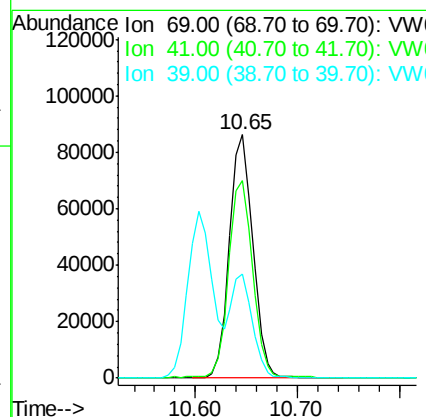
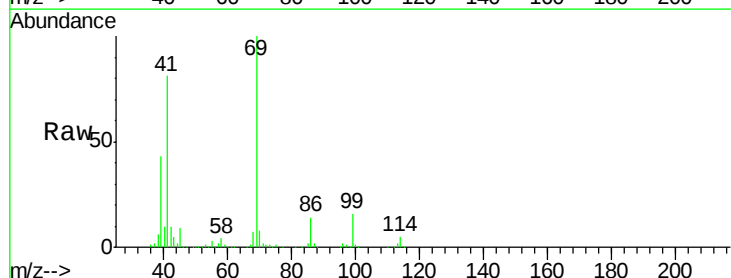
RT: 10.65 min Scan# 1434

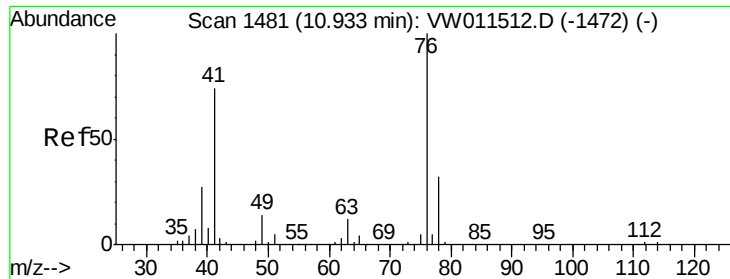
Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	69	Resp:	137761
Ion	Ratio	Lower	Upper
69	100		
41	83.7	66.6	99.8
39	39.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 54.791 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 170543

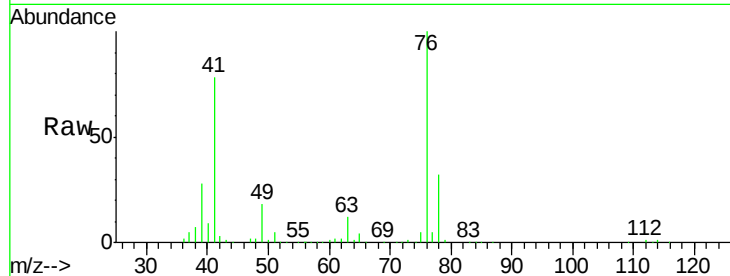
Ion Ratio Lower Upper

76 100

78 32.3 25.2 37.8

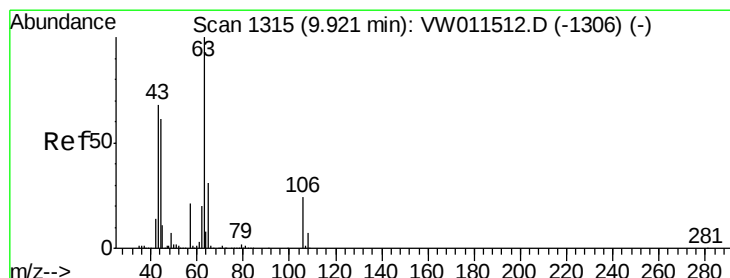
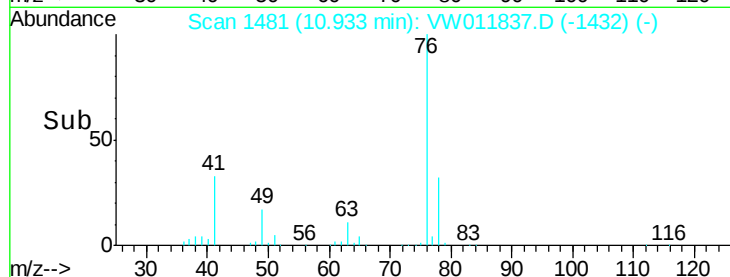
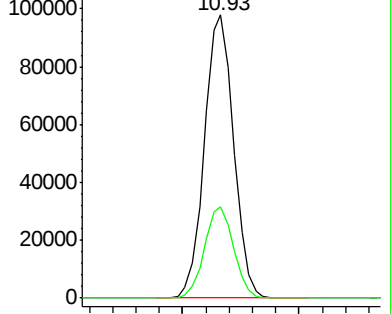
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 336.194 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011837.D

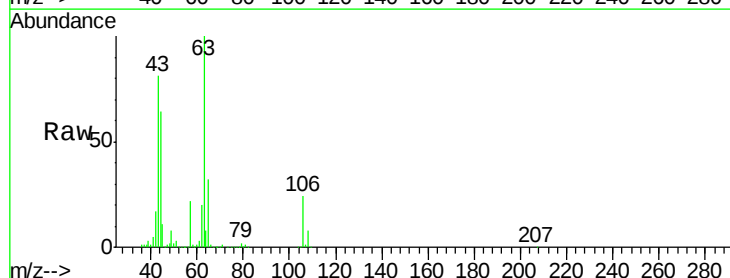
Acq: 10 Aug 2019 02:52

Tgt Ion: 63 Resp: 367495

Ion Ratio Lower Upper

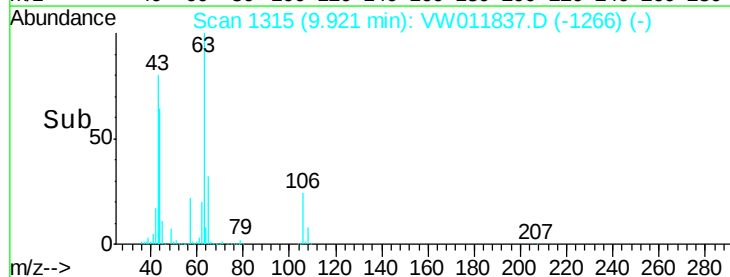
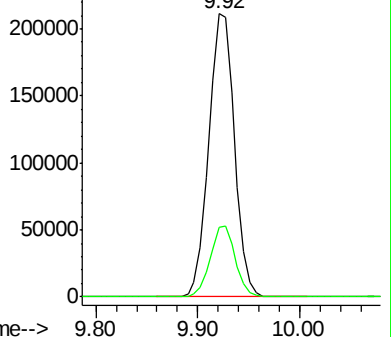
63 100

106 24.5 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





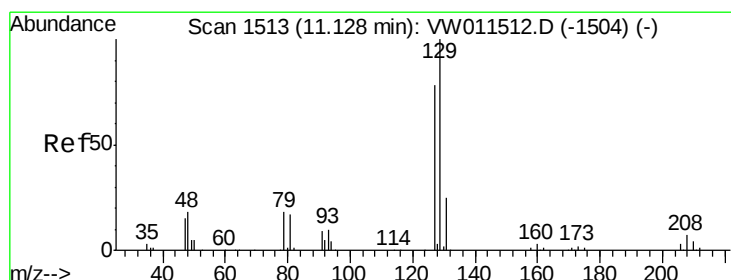
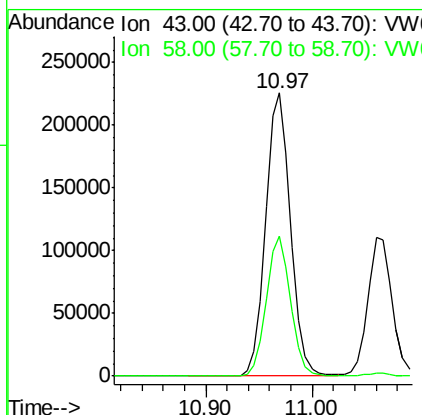
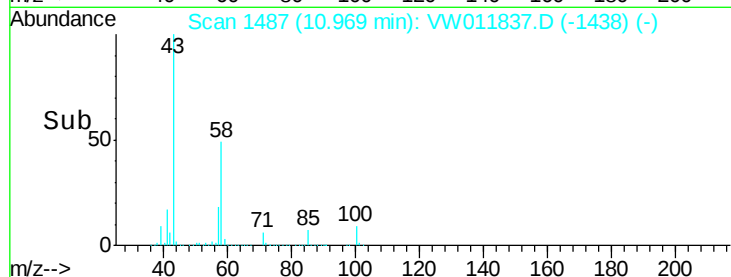
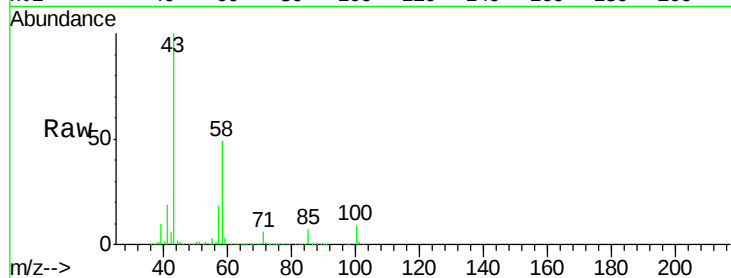
#59
2-Hexanone
Concen: 279.408 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 368045
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9

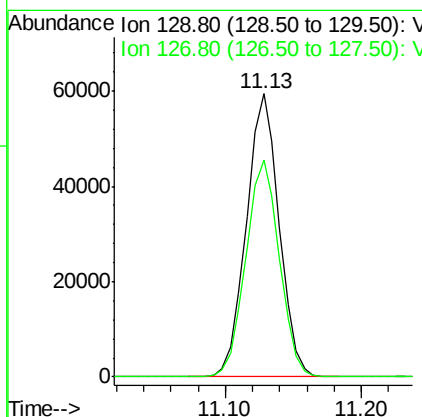
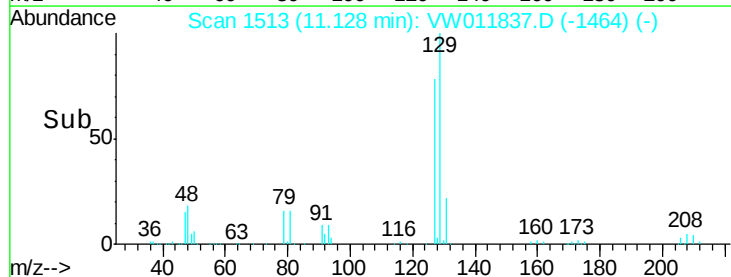
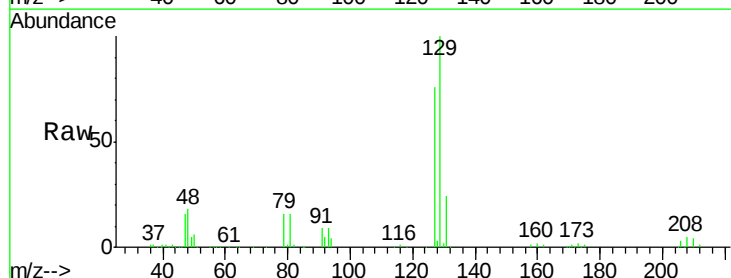
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#60
Dibromochloromethane
Concen: 55.004 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion: 129 Resp: 100451
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





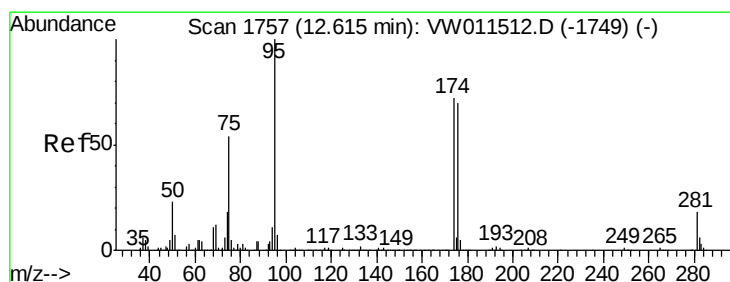
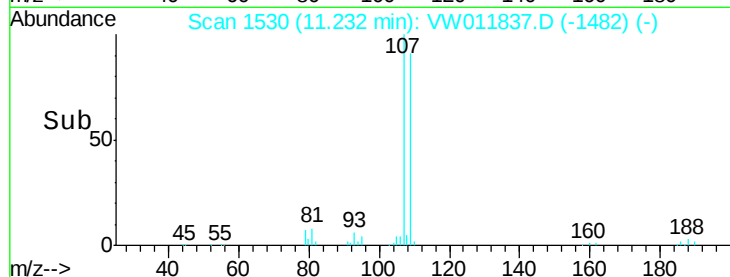
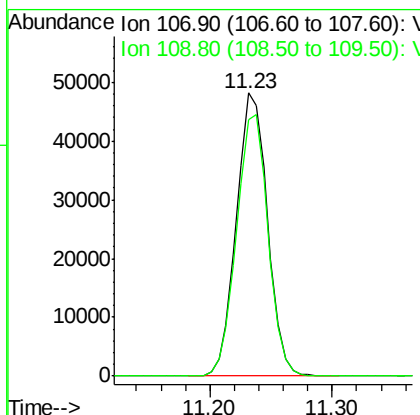
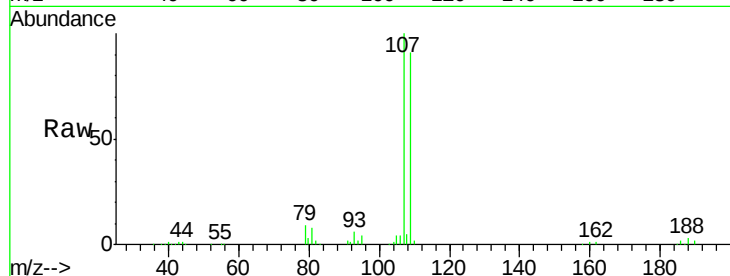
#61
 1,2-Dibromoethane
 Concen: 54.552 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

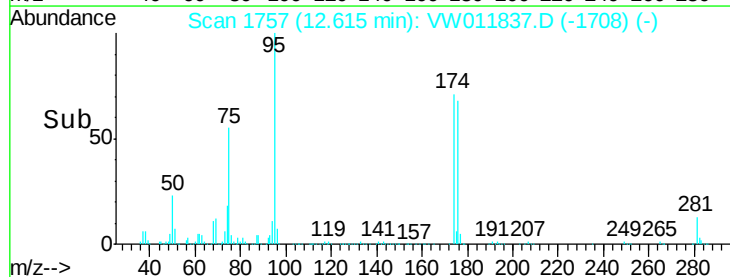
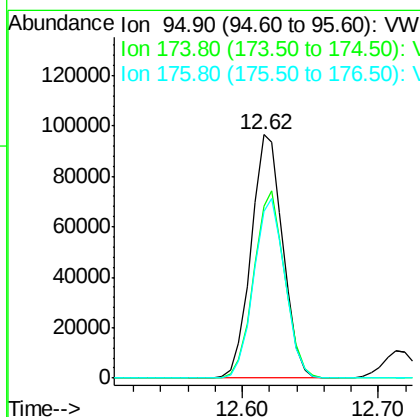
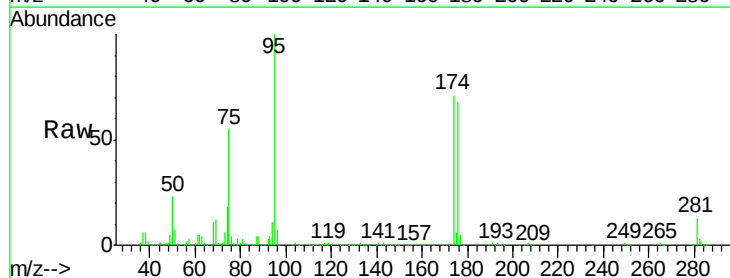
Manual Integrations
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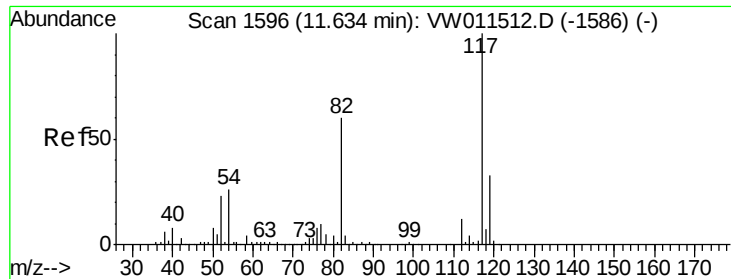
MMDadoda
 8/13/2019 2:44:27 PM



#62
 4-Bromofluorobenzene
 Concen: 58.935 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.2
176	72.9	0.0	144.4





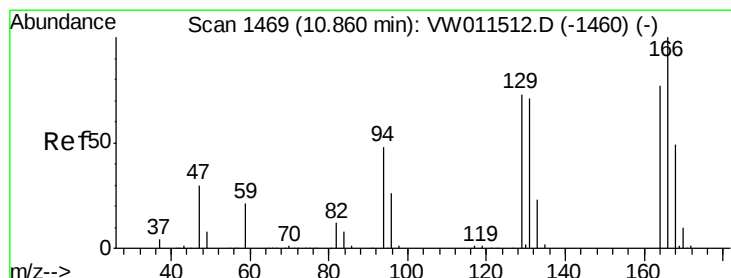
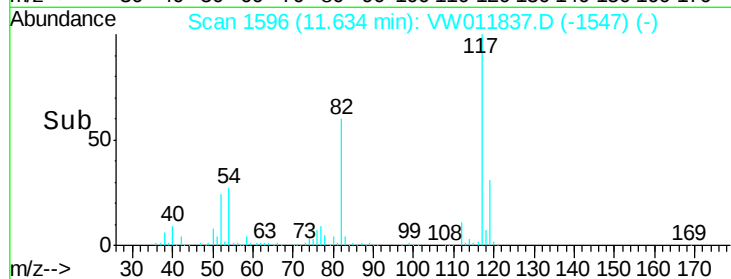
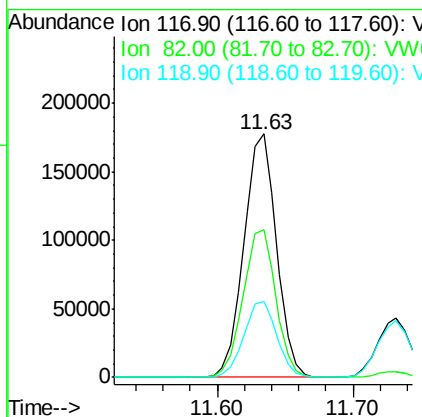
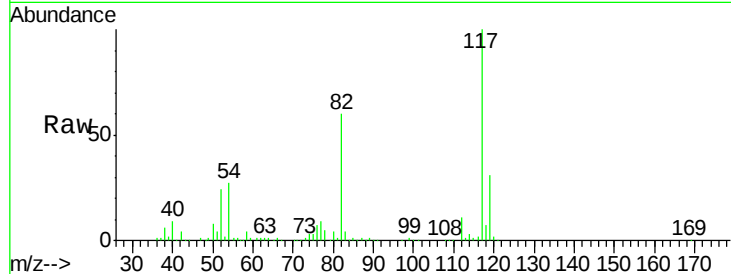
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297217		
82	60.4	47.9	71.9	
119	31.3	26.2	39.2	

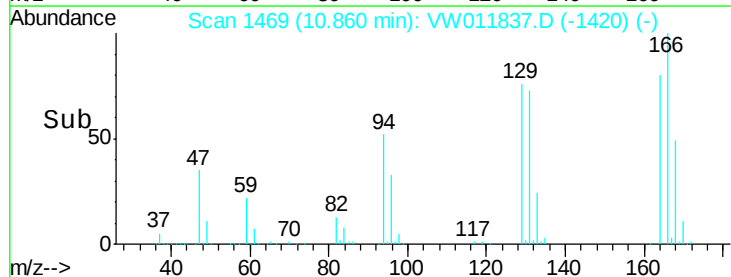
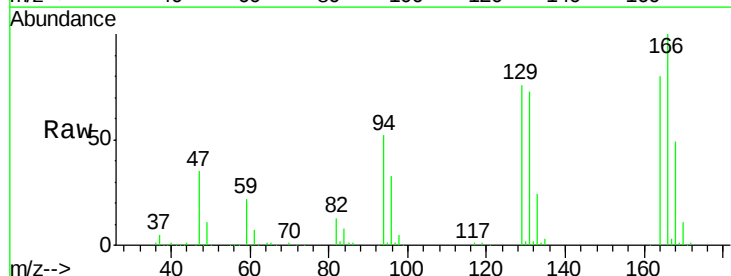
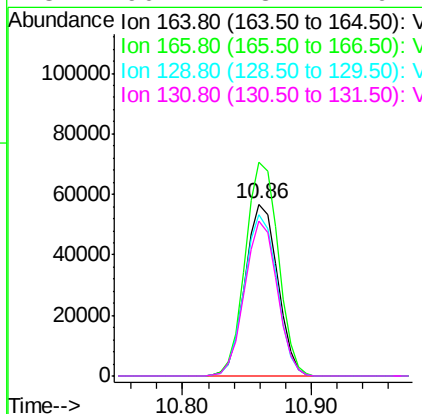
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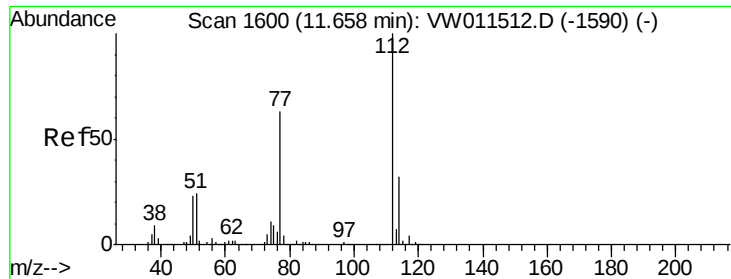
MMDadoda
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#64
Tetrachloroethene
Concen: 51.120 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98928		
166	124.3	103.5	155.3	
129	94.0	75.2	112.8	
131	90.2	73.4	110.2	





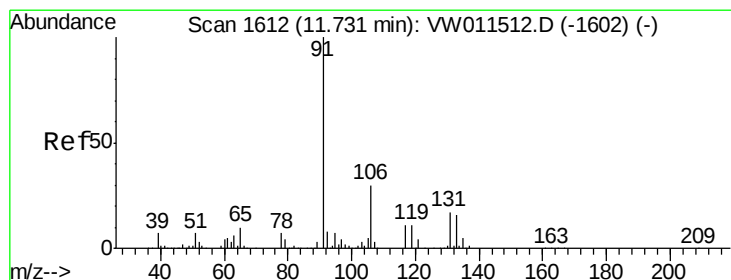
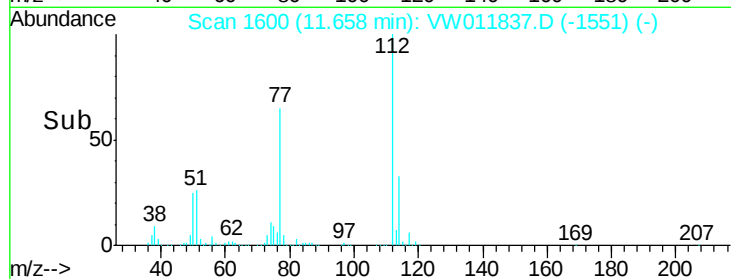
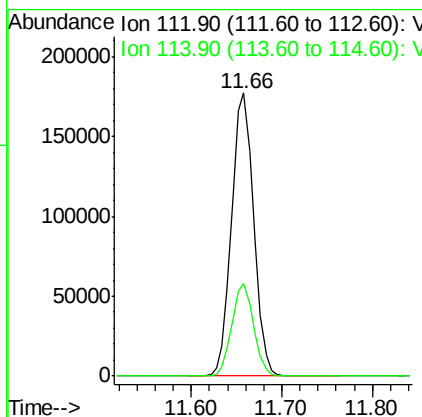
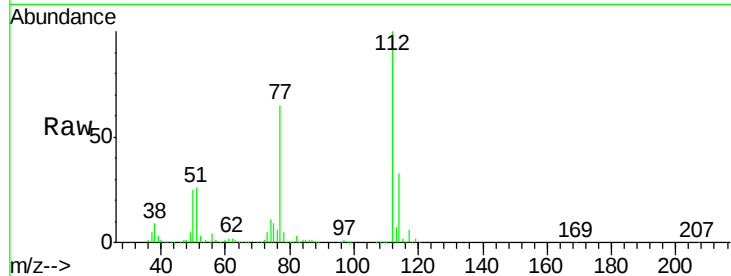
#65
Chlorobenzene
Concen: 50.078 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

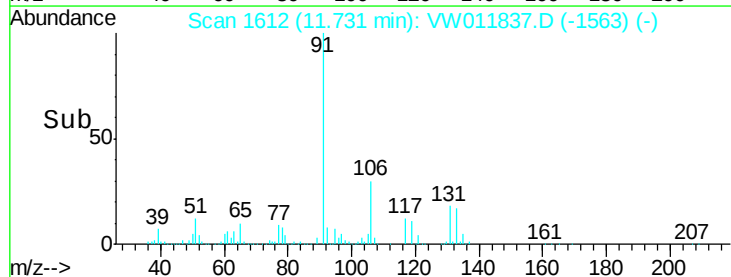
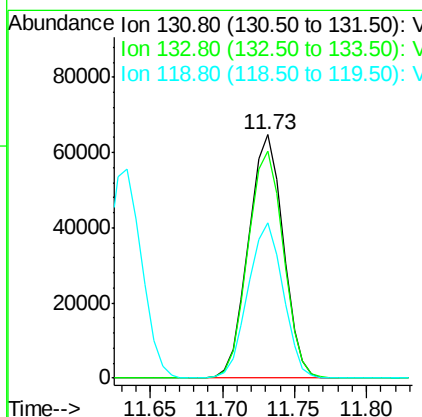
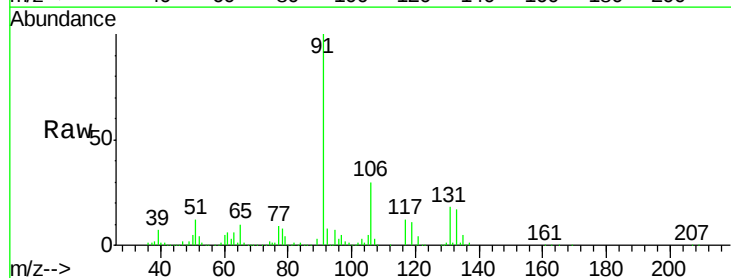
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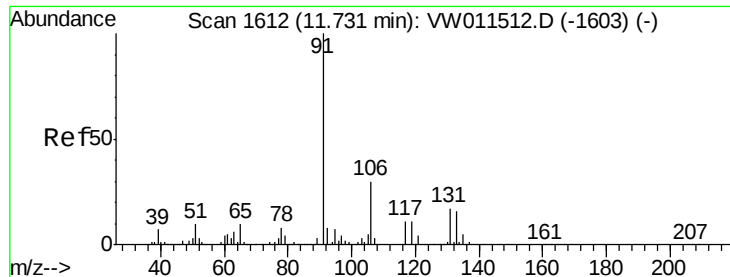
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.009 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.2
119	64.2	32.3	96.9





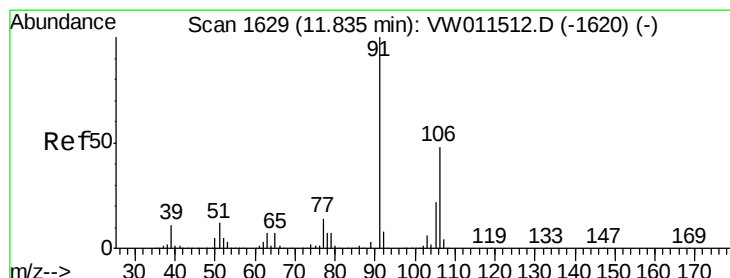
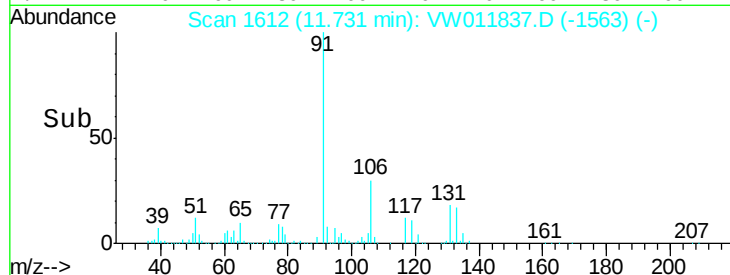
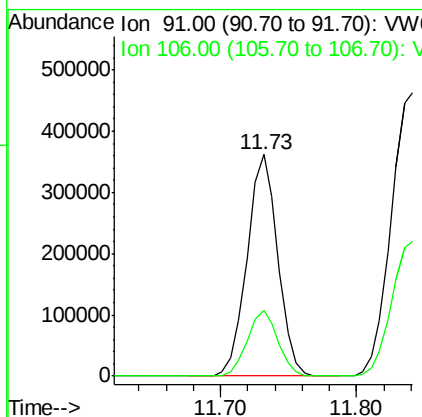
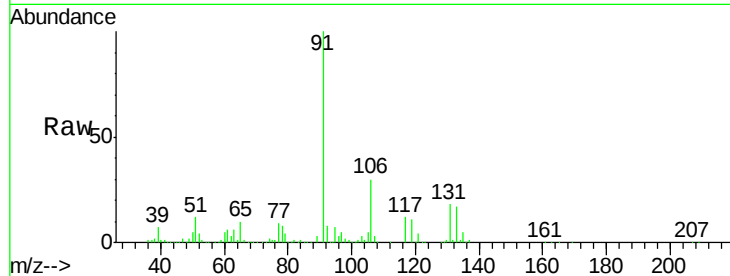
#67
Ethyl Benzene
Concen: 50.205 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 571355
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

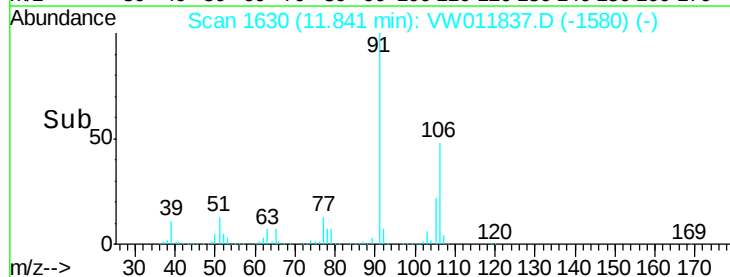
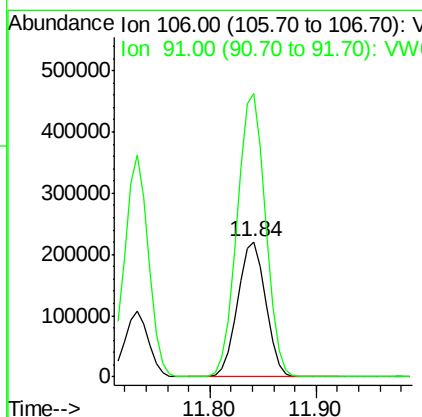
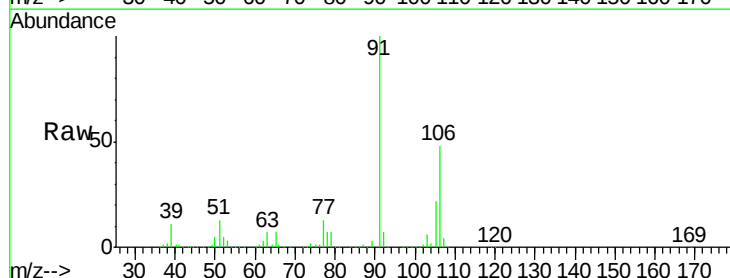
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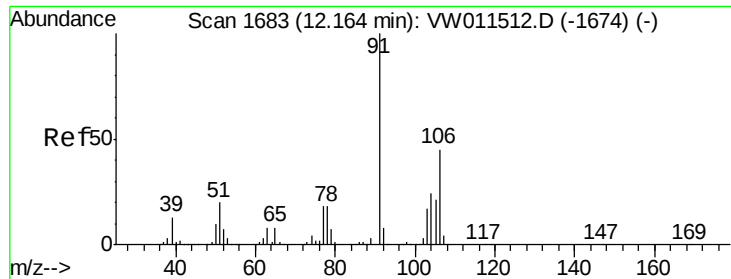
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#68
m/p-Xylenes
Concen: 99.323 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion: 106 Resp: 411072
Ion Ratio Lower Upper
106 100
91 211.0 168.2 252.2





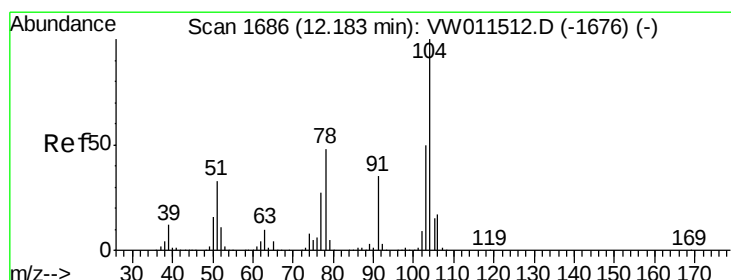
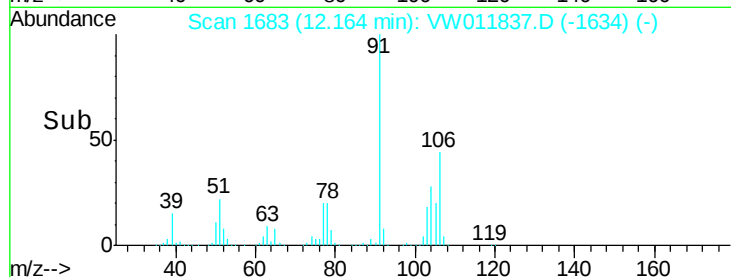
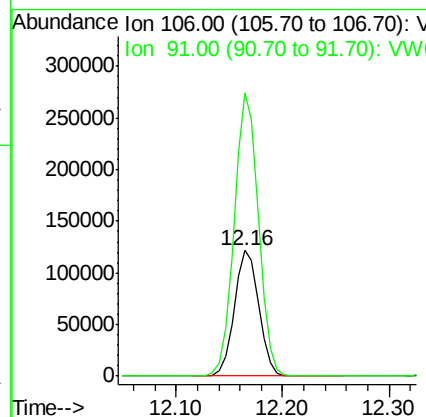
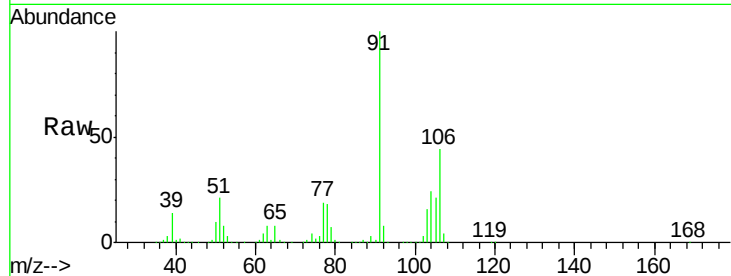
#69
o-Xylene
Concen: 51.002 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.5	331.5

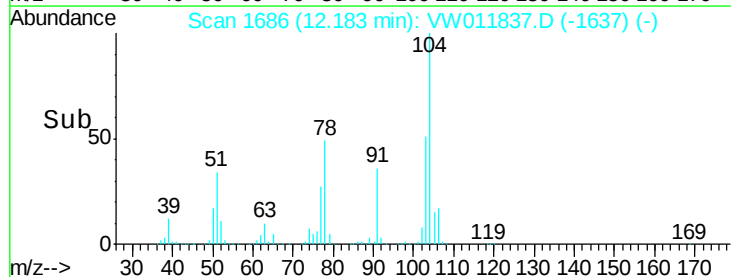
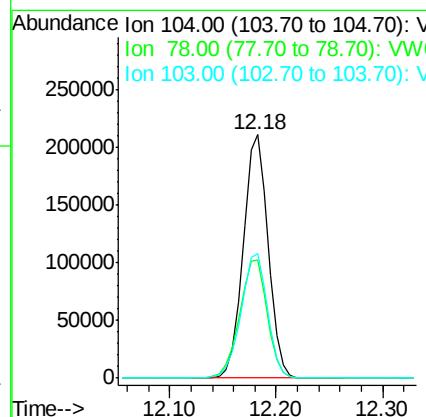
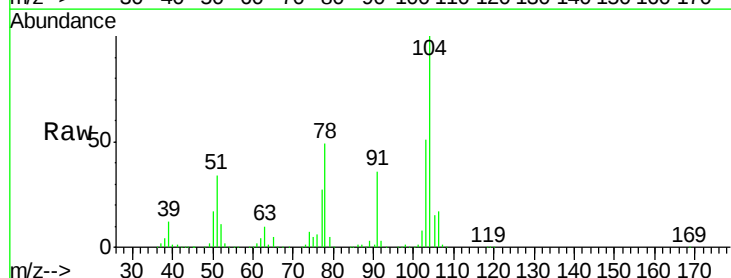
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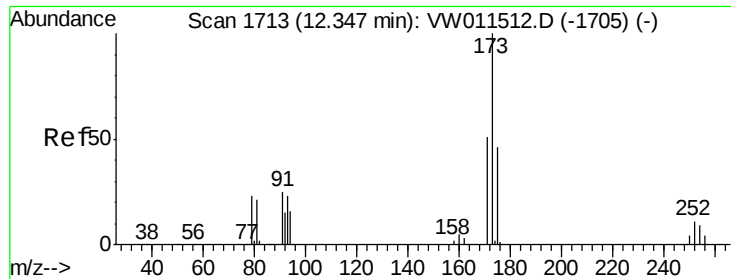
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#70
Styrene
Concen: 52.049 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.4	65.0
103	54.7	43.9	65.9





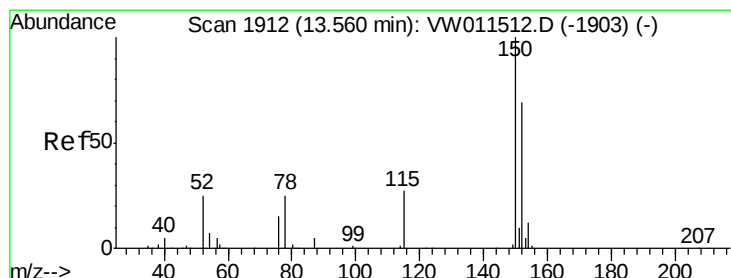
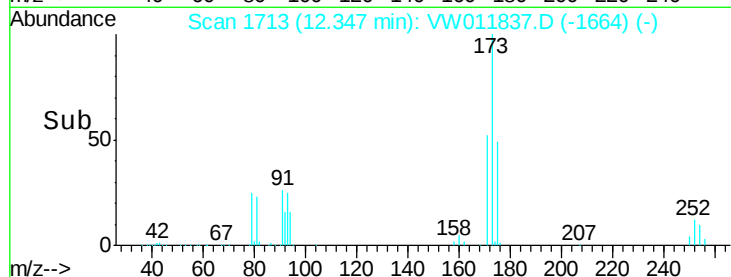
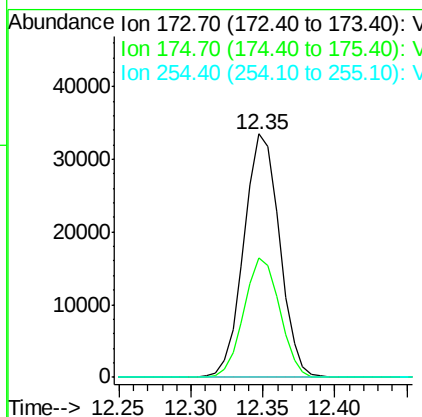
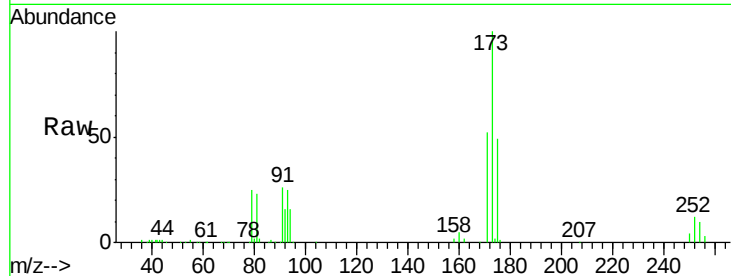
#71
Bromoform
Concen: 54.206 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.6	71.0
254	0.0	0.1	0.1#

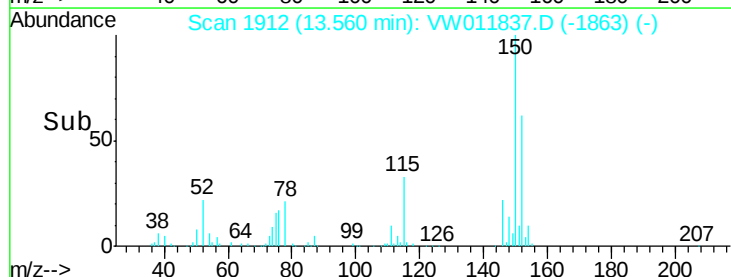
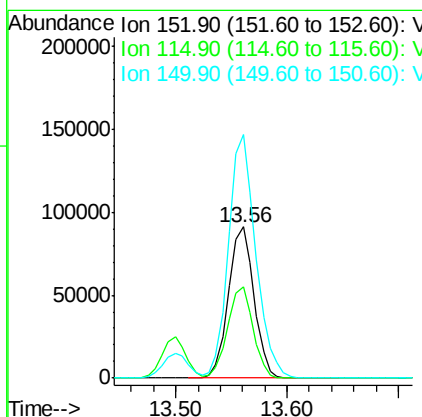
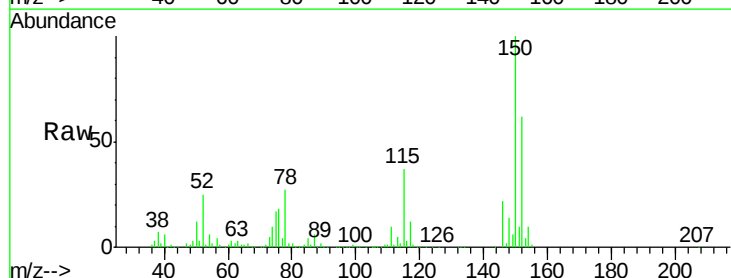
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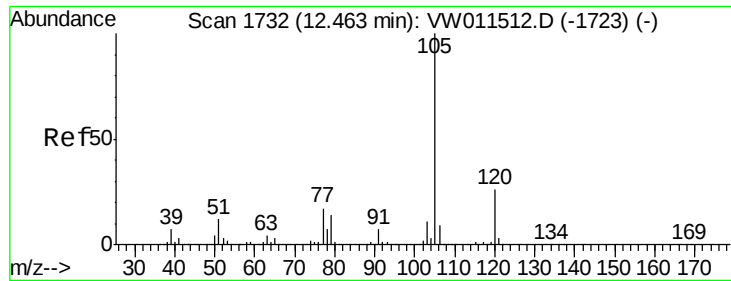
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	172.7	0.0	352.6





#73

Isopropylbenzene

Concen: 49.399 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 530717

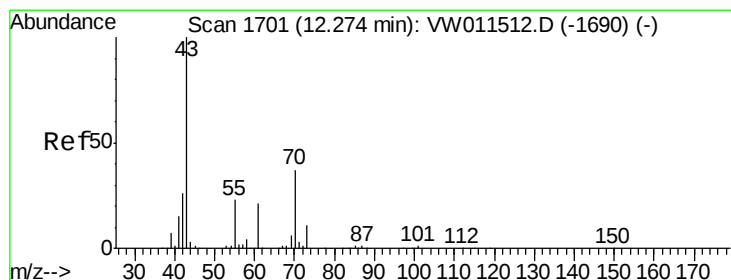
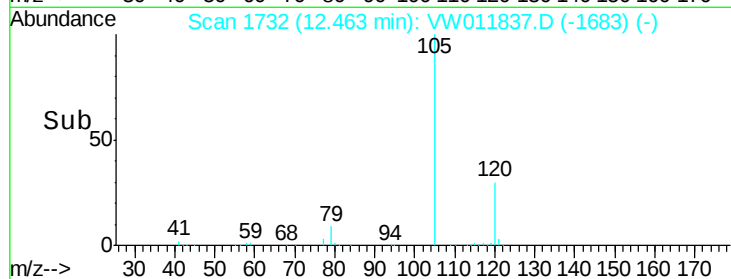
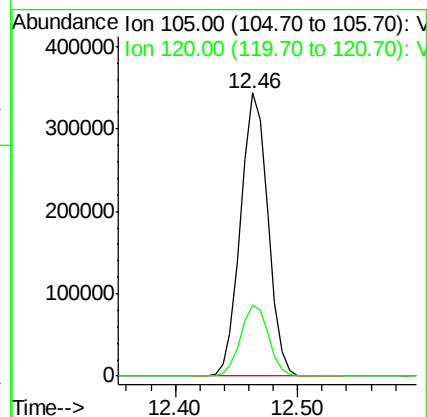
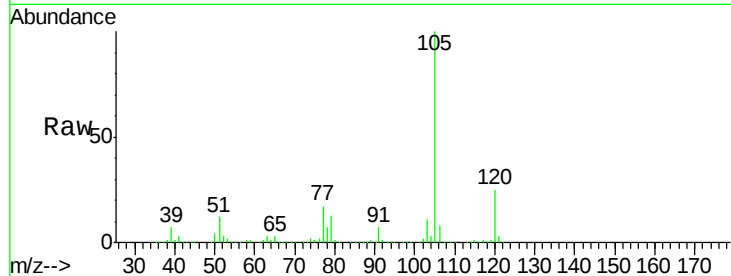
Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7

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#74

N-ethyl acetate

Concen: 55.463 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion: 43 Resp: 186553

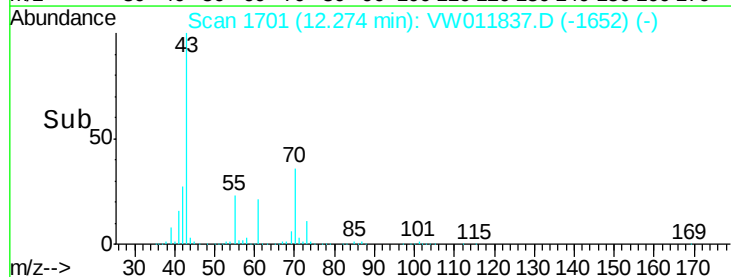
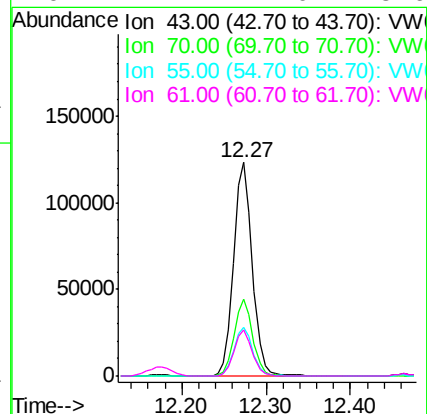
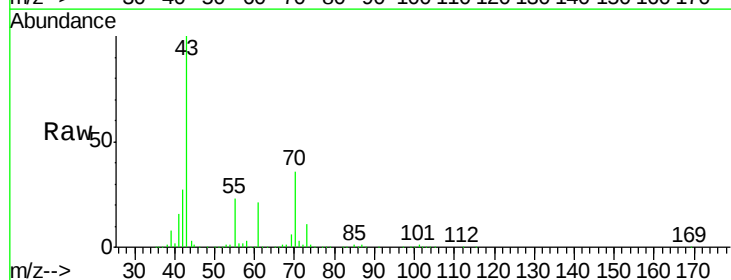
Ion Ratio Lower Upper

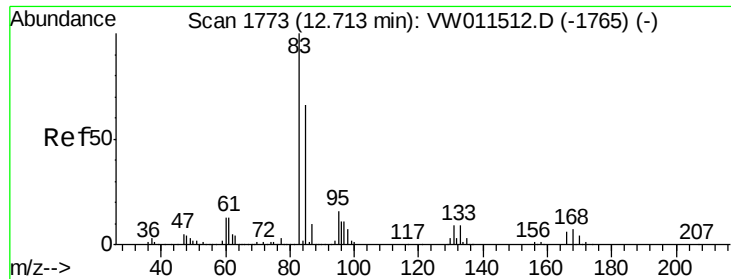
43 100

70 35.6 28.6 43.0

55 22.9 17.8 26.8

61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.133 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

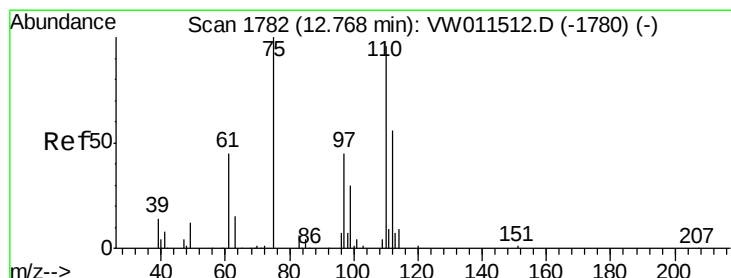
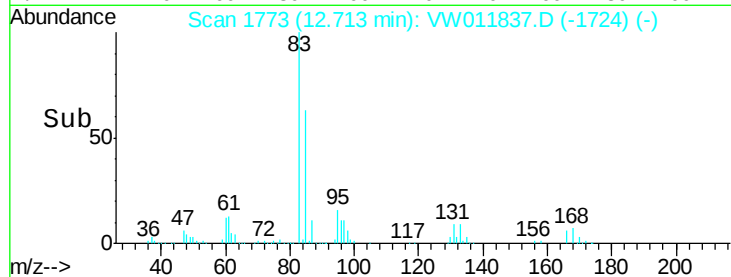
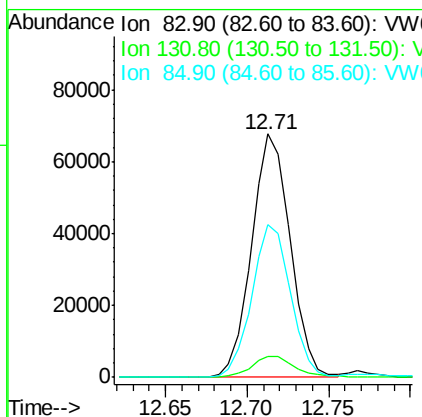
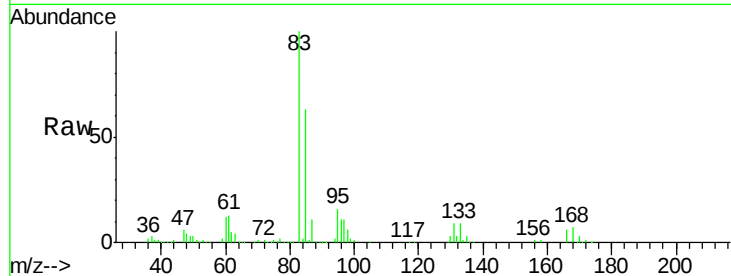
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111416
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	62.9	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.302 ug/l m

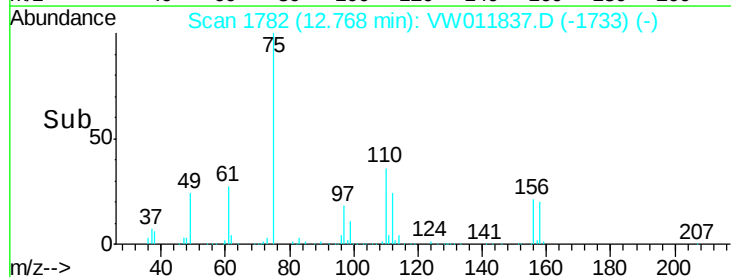
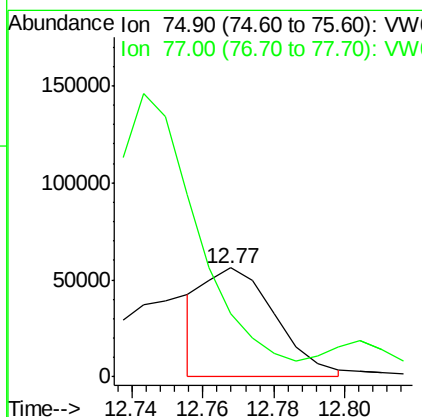
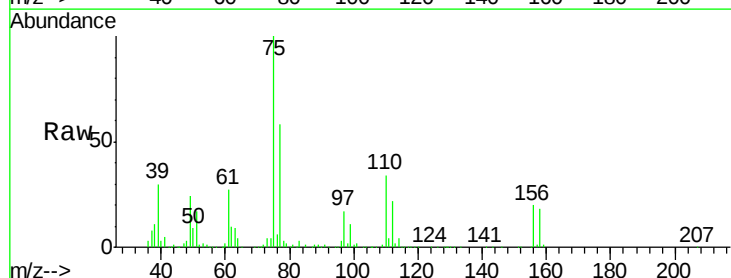
RT: 12.77 min Scan# 1782

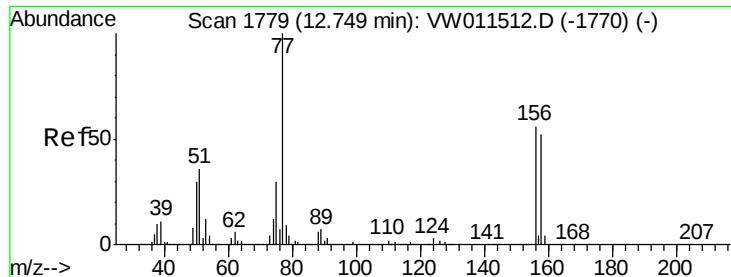
Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	75	Resp:	78174
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





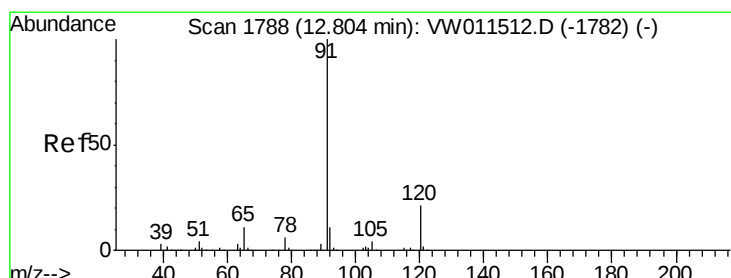
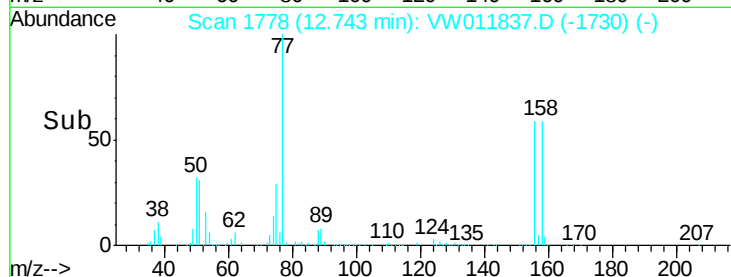
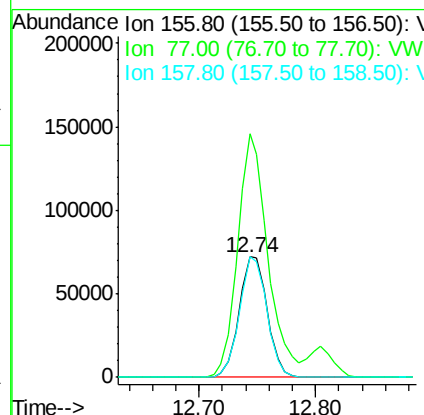
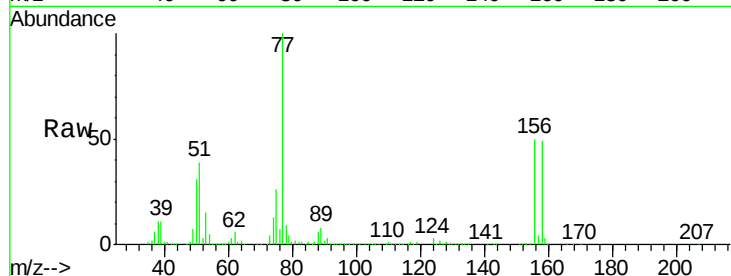
#77
Bromobenzene
Concen: 51.224 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.1	106.5	319.4
158	97.3	48.0	144.2

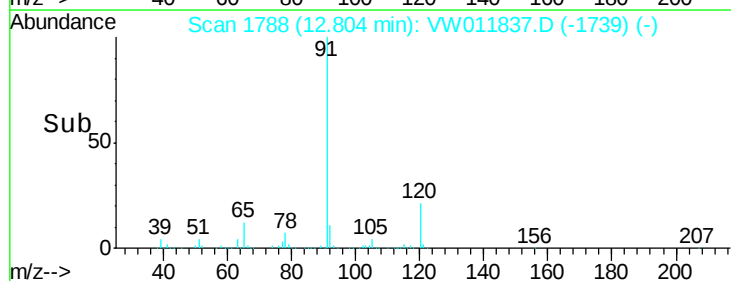
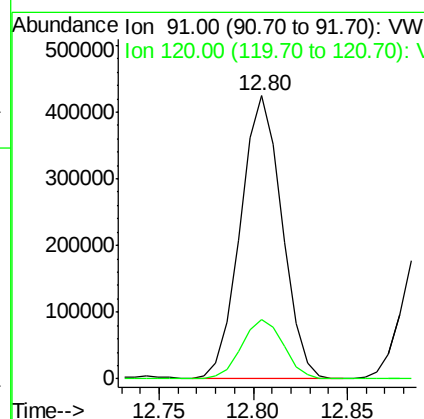
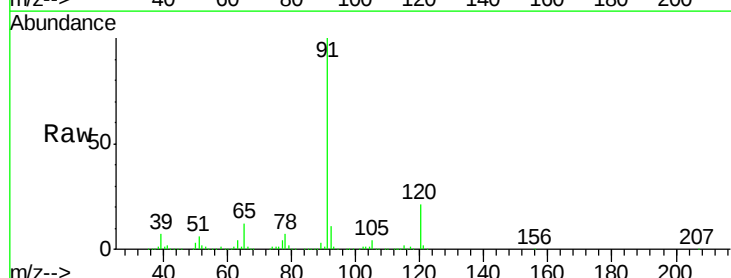
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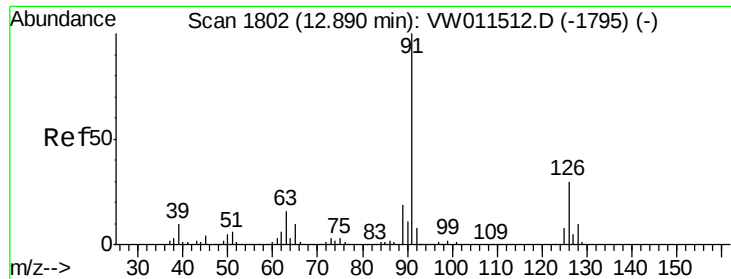
MMDadoda
8/13/2019 2:44:27 PM



#78
n-propylbenzene
Concen: 49.621 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.7





#79

2-Chlorotoluene

Concen: 50.709 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 381962

Ion Ratio Lower Upper

91 100

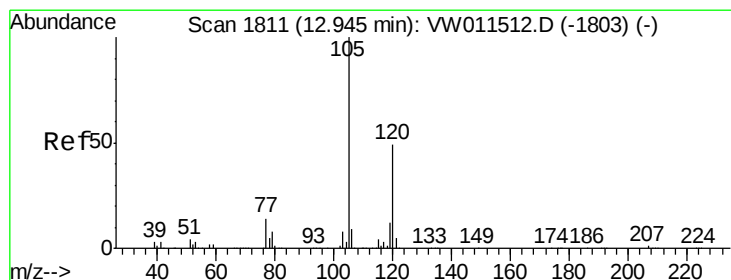
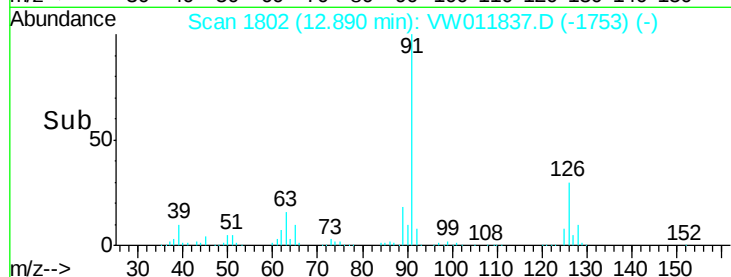
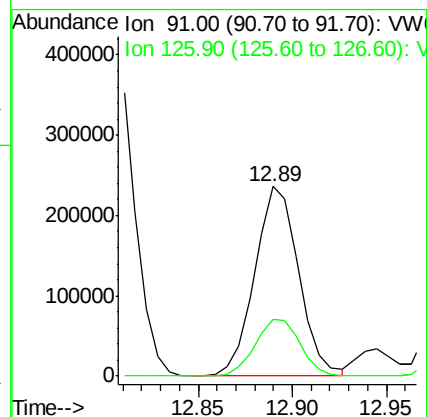
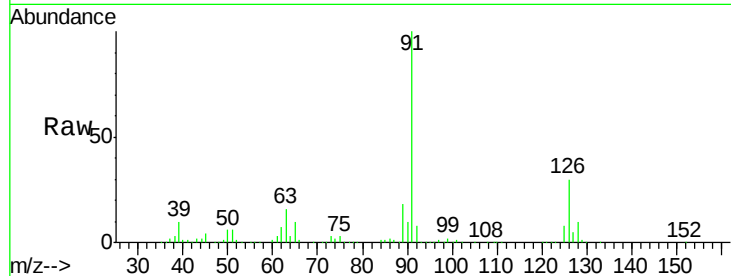
126 30.7 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.778 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011837.D

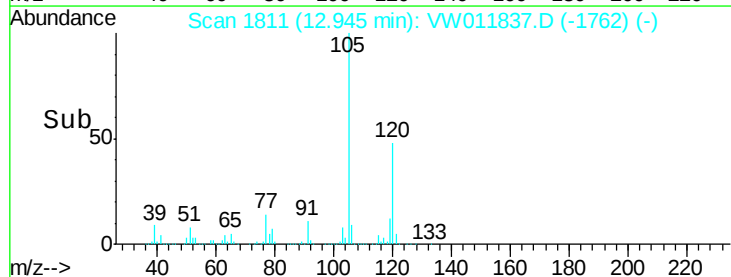
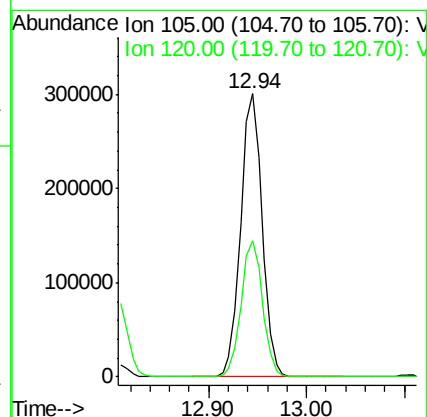
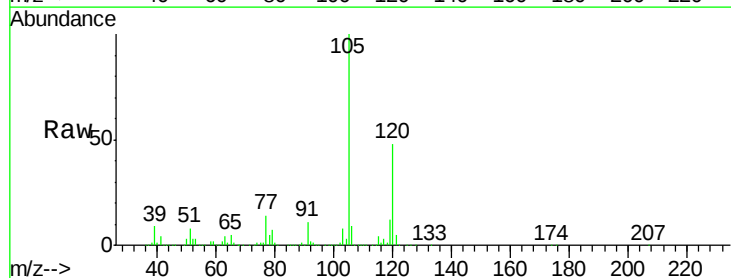
Acq: 10 Aug 2019 02:52

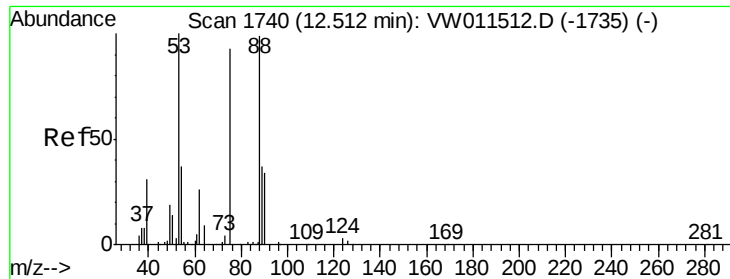
Tgt Ion:105 Resp: 457295

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3





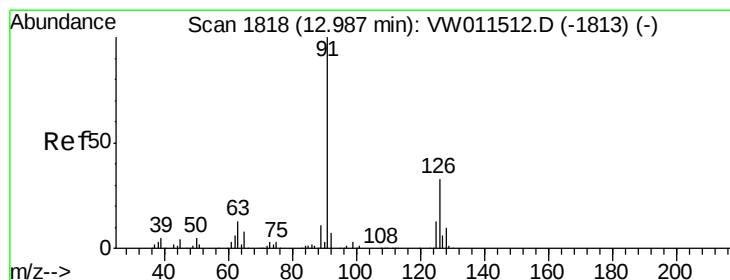
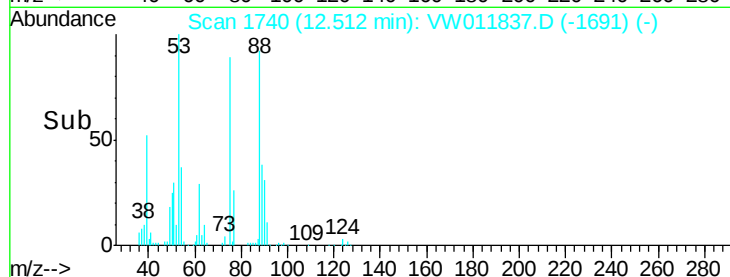
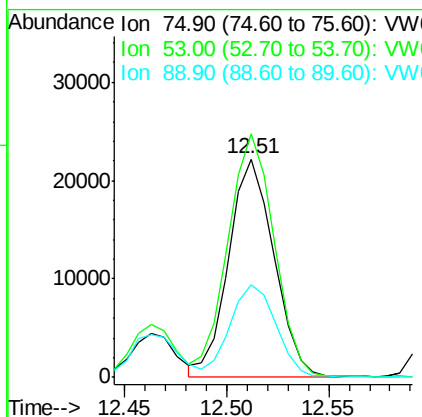
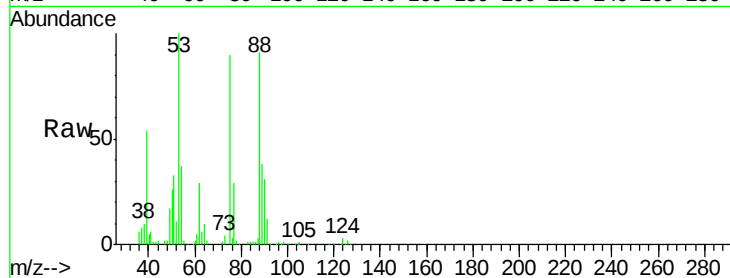
#81
trans-1,4-Dichloro-2-butene
Concen: 51.460 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	88.0	132.0
89	43.2	35.3	52.9

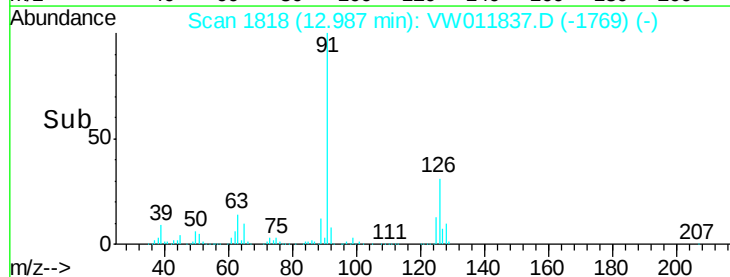
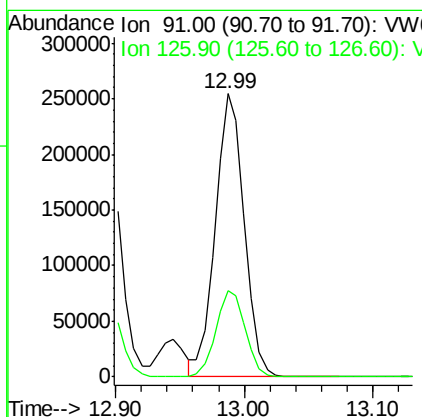
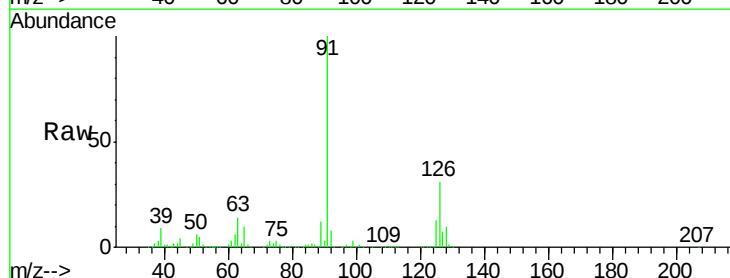
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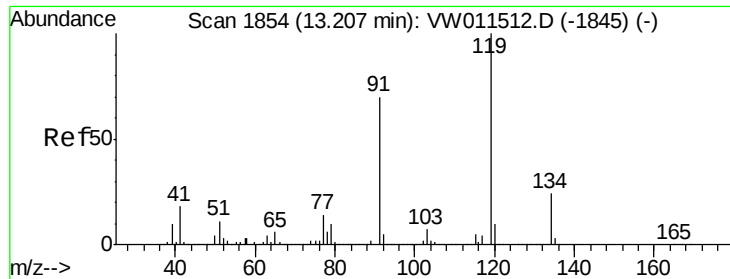
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#82
4-Chlorotoluene
Concen: 50.523 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011837.D
Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





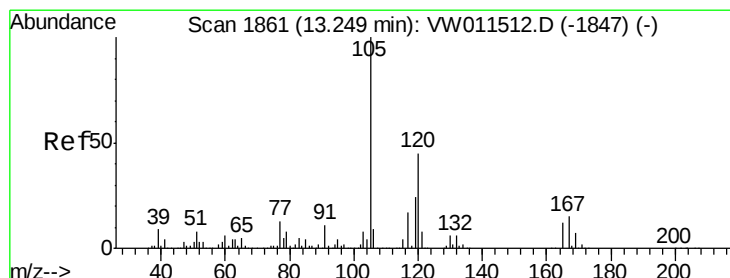
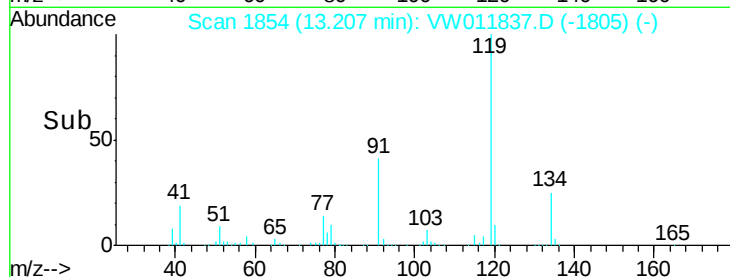
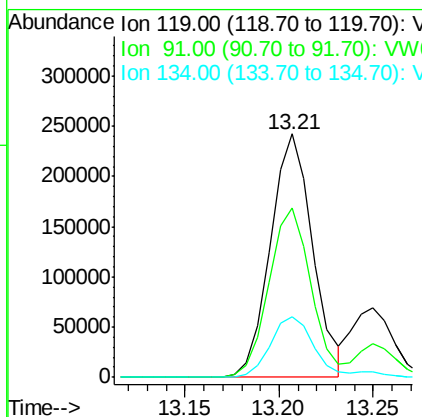
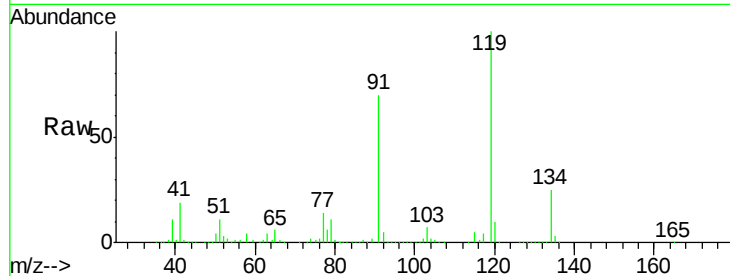
#83
 tert-Butylbenzene
 Concen: 50.070 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.5	103.6
134	25.5	12.4	37.4

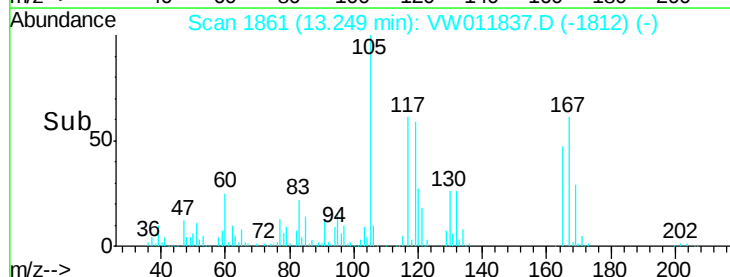
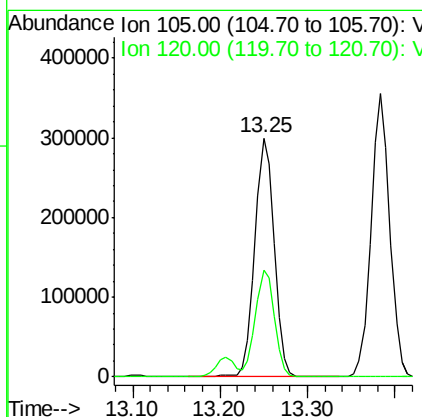
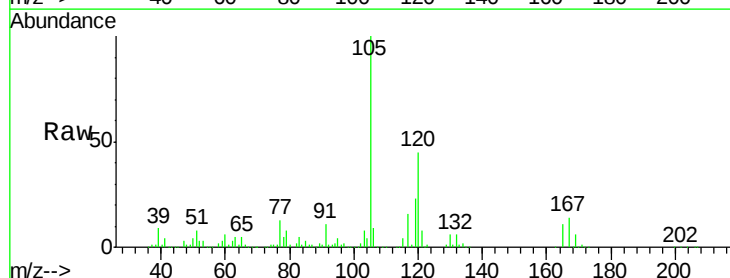
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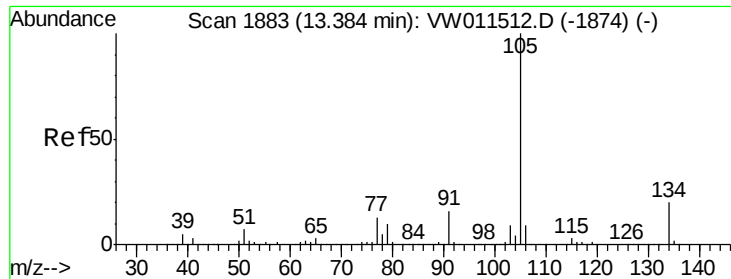
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.727 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





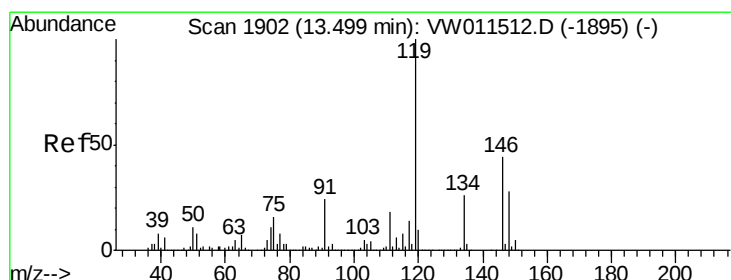
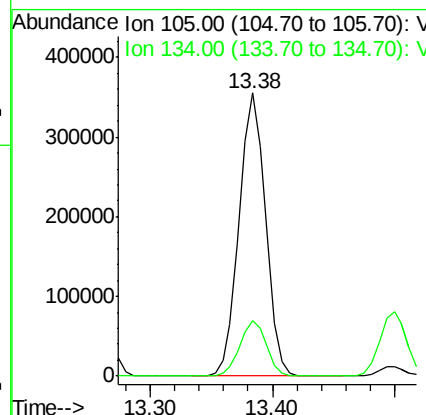
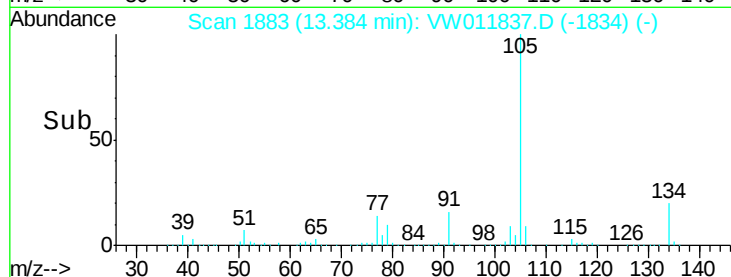
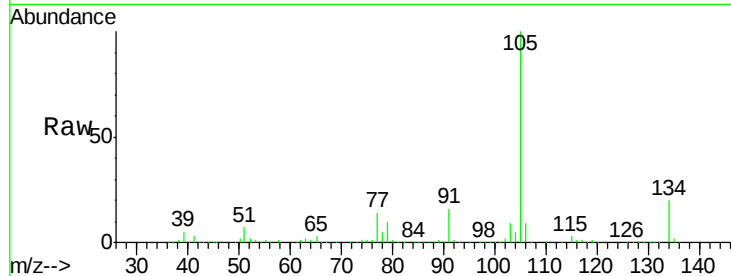
#85
 sec-Butylbenzene
 Concen: 49.329 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

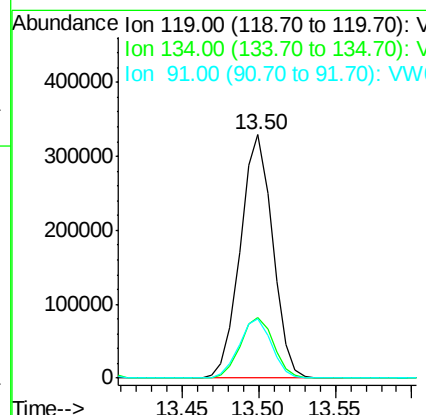
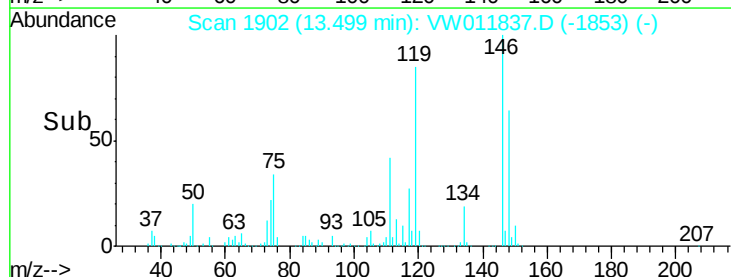
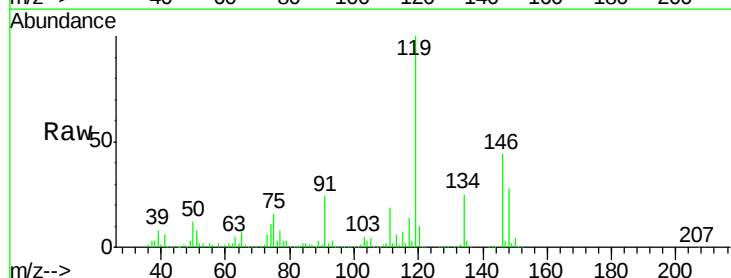
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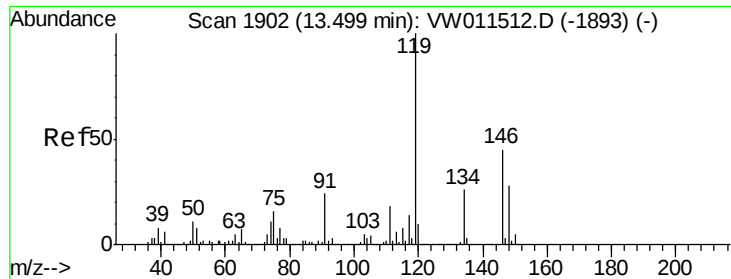
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#86
 p-Isopropyltoluene
 Concen: 49.398 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.4
91	24.5	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 49.603 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

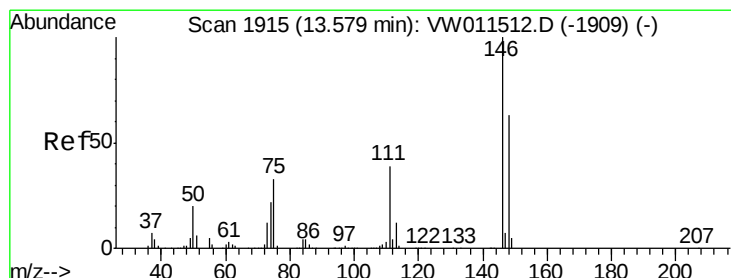
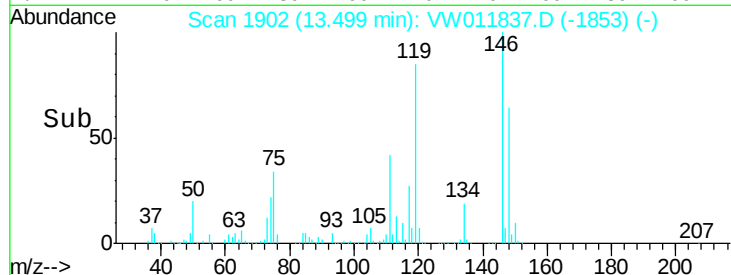
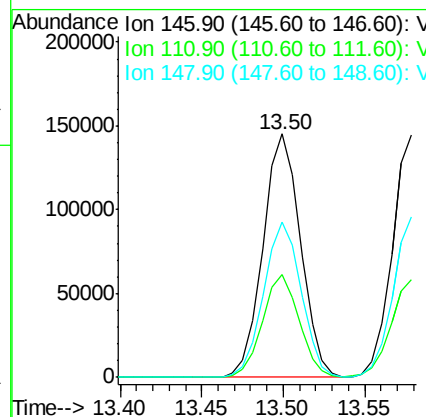
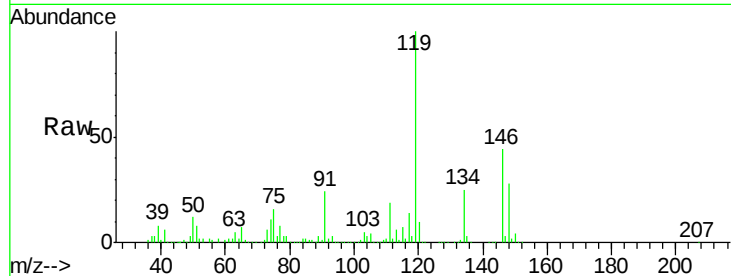
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	230957
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.5	61.6
148	63.8	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 50.046 ug/l

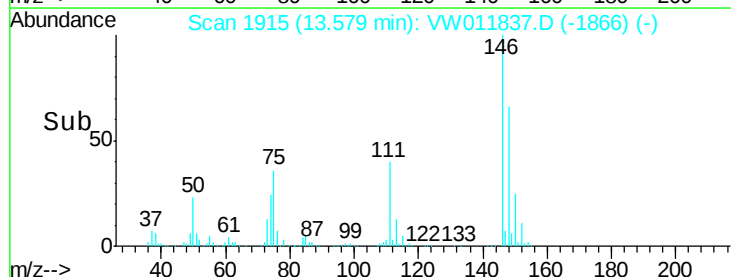
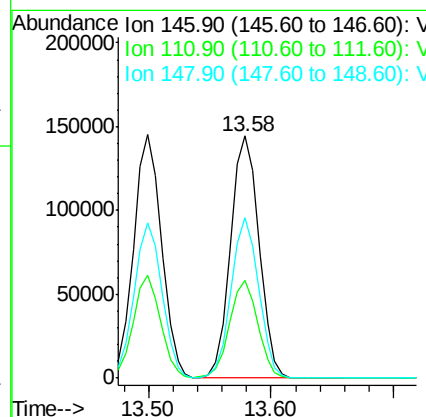
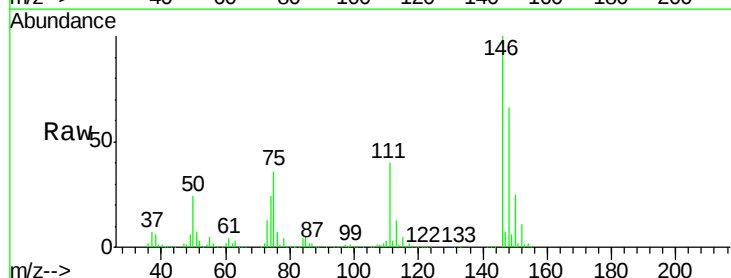
RT: 13.58 min Scan# 1915

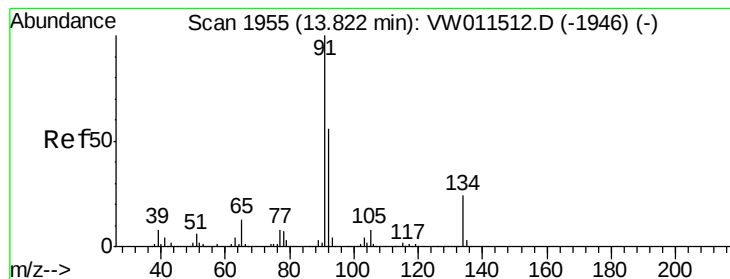
Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	146	Resp:	231803
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.1	60.2
148	64.3	31.9	95.9





#89

n-Butylbenzene

Concen: 48.108 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

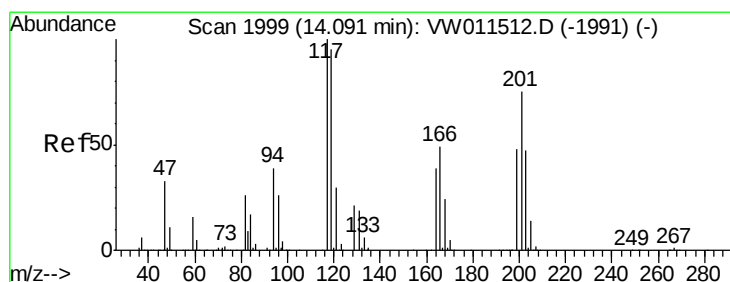
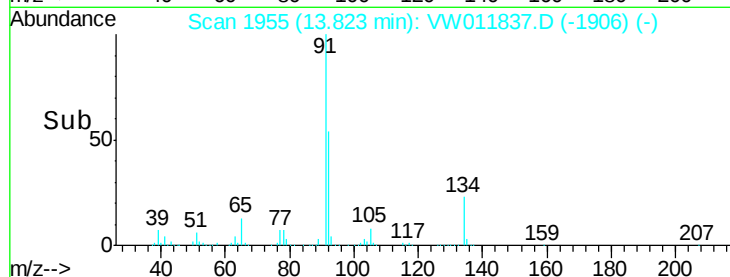
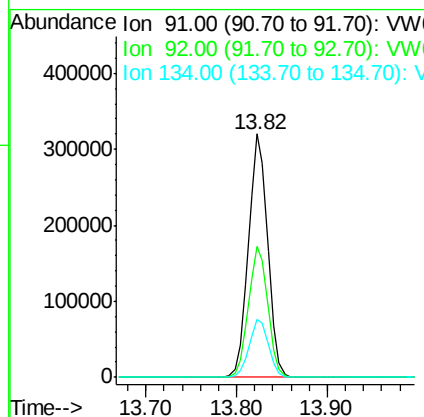
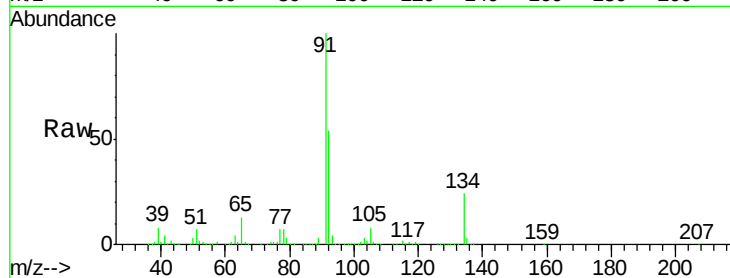
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	468074
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.4
134	23.9	12.2	36.6

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#90

Hexachloroethane

Concen: 50.926 ug/l

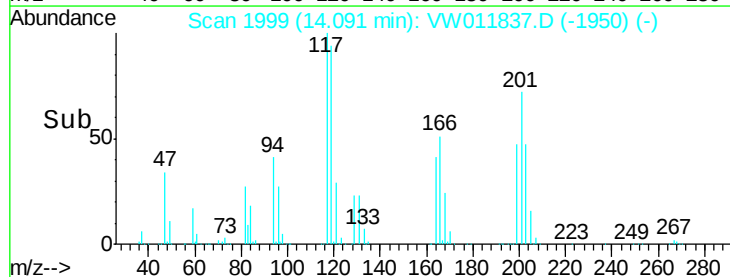
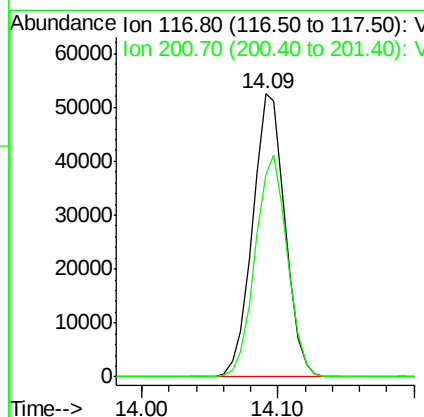
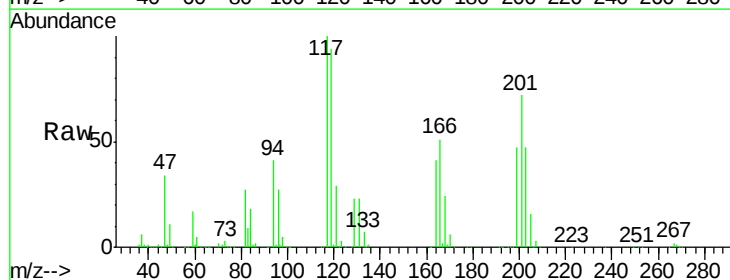
RT: 14.09 min Scan# 1999

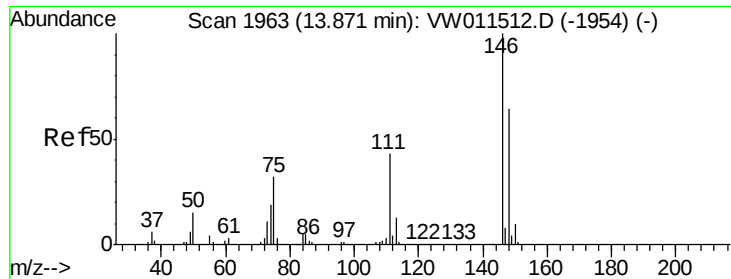
Delta R.T. 0.00 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	117	Resp:	87799
Ion	Ratio	Lower	Upper
117	100		
201	77.4	39.4	118.2





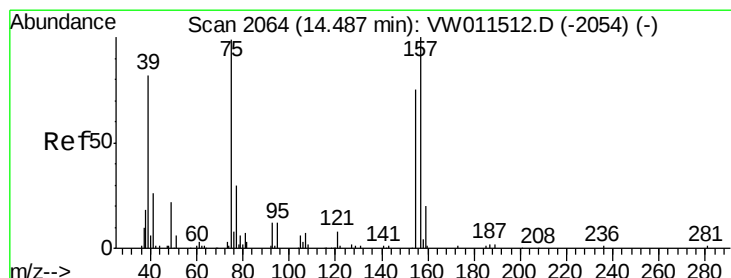
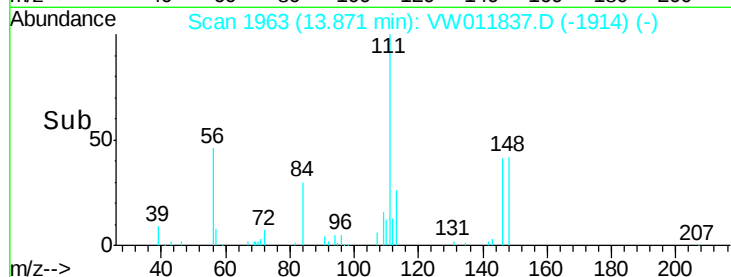
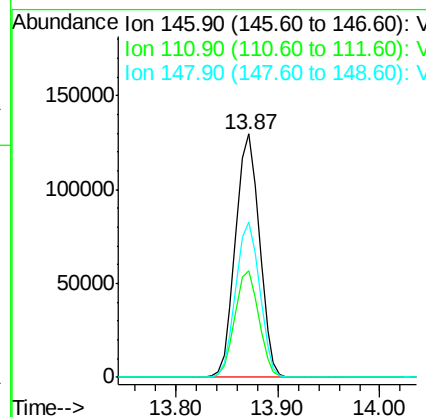
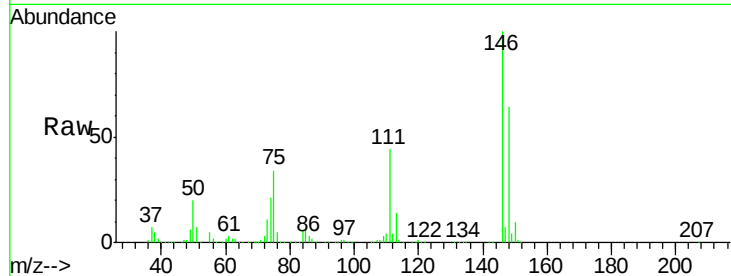
#91
 1,2-Dichlorobenzene
 Concen: 51.216 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210915		
111	43.6	21.6	65.0	
148	63.6	32.0	96.2	

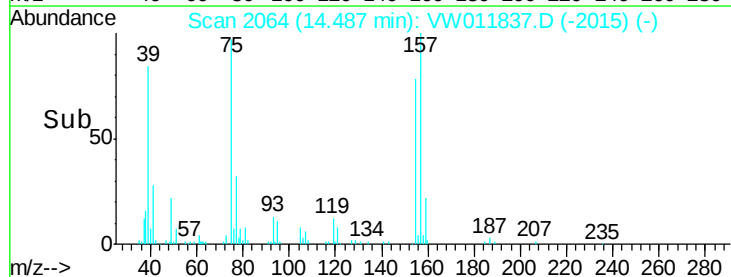
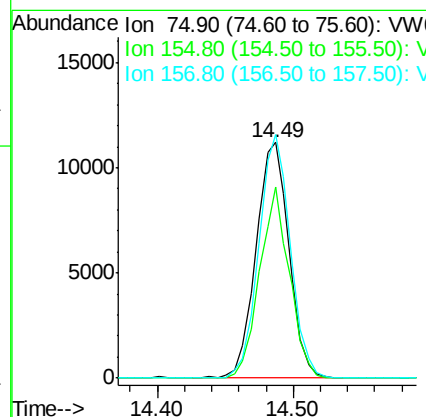
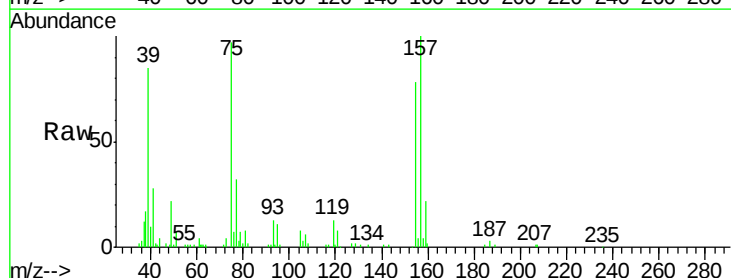
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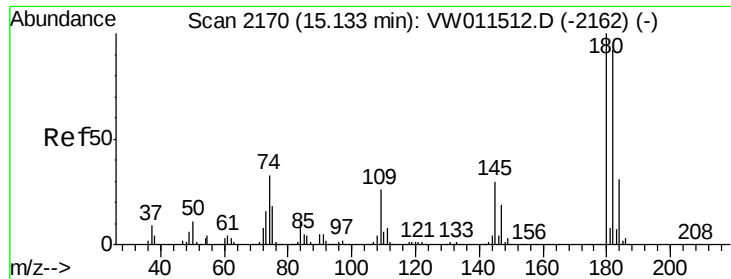
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.002 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18954		
155	73.6	38.2	114.6	
157	98.8	48.9	146.7	





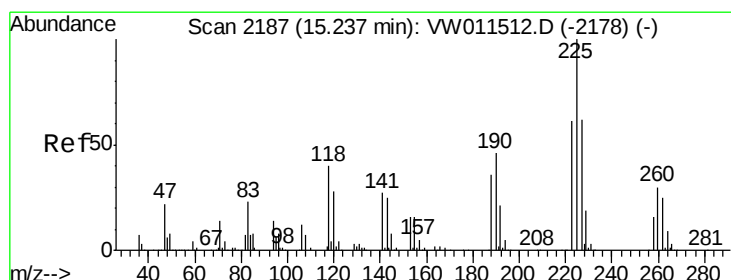
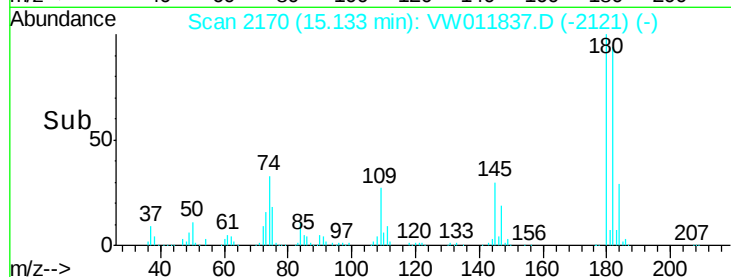
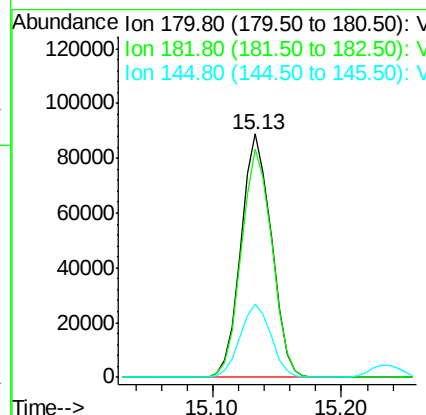
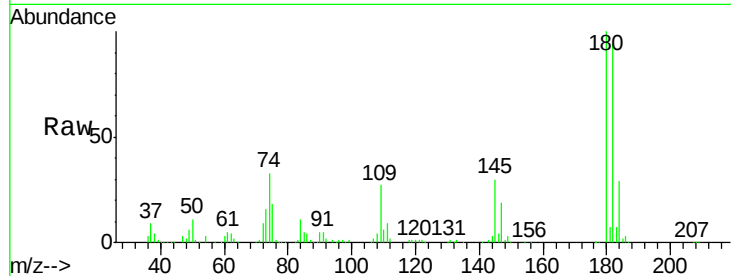
#93
 1,2,4-Trichlorobenzene
 Concen: 50.011 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145148		
182	94.7	47.4	142.2	
145	30.4	15.4	46.1	

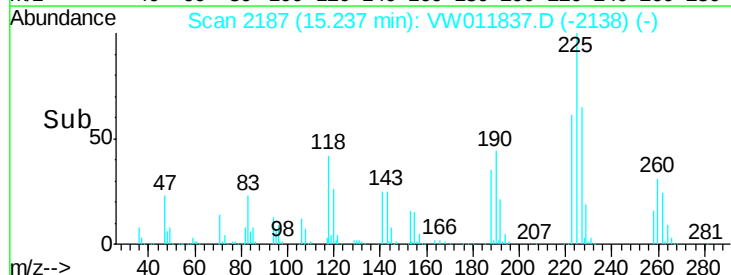
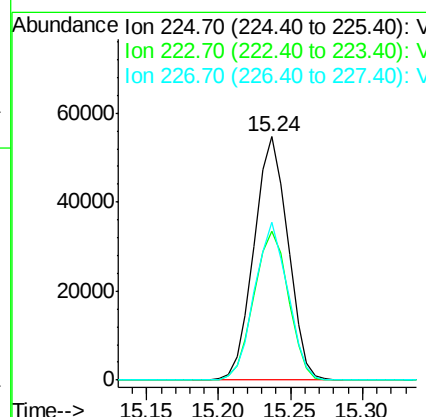
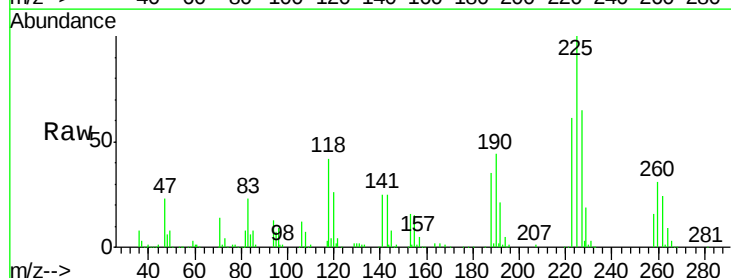
Manual Integrations
 APPROVED

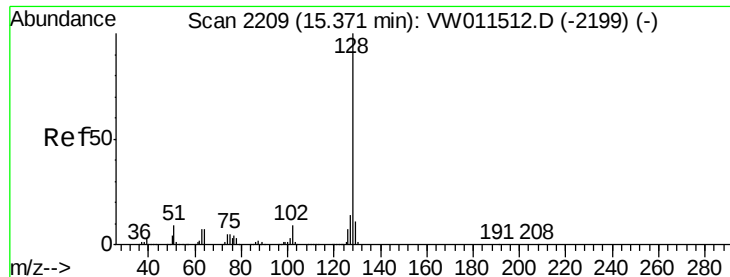
MMDadoda
 8/13/2019 2:44:27 PM



#94
 Hexachlorobutadiene
 Concen: 49.149 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011837.D
 Acq: 10 Aug 2019 02:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88958		
223	62.1	30.8	92.3	
227	63.4	31.6	94.7	





#95

Naphthalene

Concen: 51.091 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Instrument :

MSVOA_W

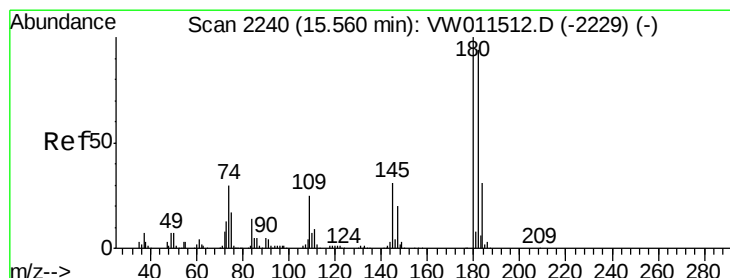
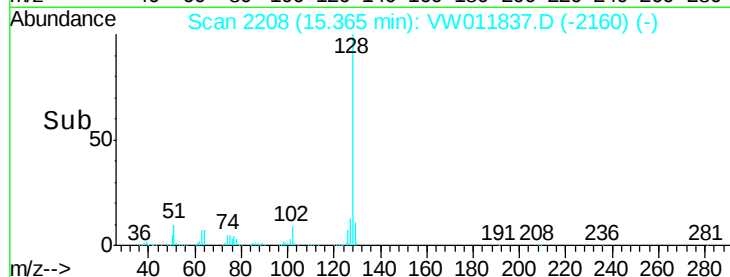
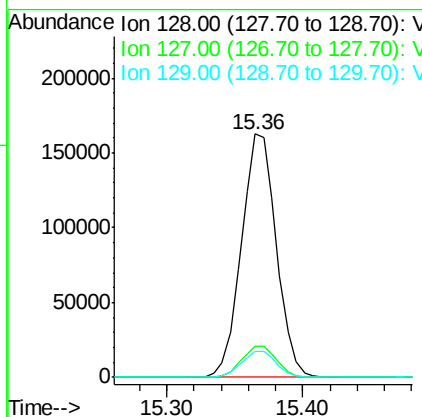
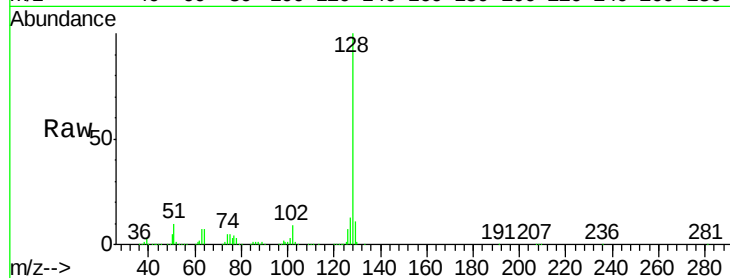
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	290733
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:44:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.574 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011837.D

Acq: 10 Aug 2019 02:52

Tgt Ion:	180	Resp:	131208
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.2
145	32.2	15.9	47.7

