

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042220\
 Data File : VW015319.D
 Acq On : 22 Apr 2020 19:51
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:33:04 PM

Quant Time: Apr 23 07:52:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	307140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	87759	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.88	113	89016	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.32	98	357891	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	140415	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	78769	46.869	ug/l	98
3) Chloromethane	2.22	50	86295	47.151	ug/l	99
4) Vinyl Chloride	2.36	62	101125	46.792	ug/l	98
5) Bromomethane	2.75	94	86930	56.571	ug/l	92
6) Chloroethane	2.92	64	63844	47.625	ug/l	99
7) Trichlorofluoromethane	3.26	101	148959	48.708	ug/l	99
8) Diethyl Ether	3.68	74	43761	50.980	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	93601	49.632	ug/l	91
10) Methyl Iodide	4.28	142	94958	47.939	ug/l	99
11) Tert butyl alcohol	5.17	59	31242	220.222	ug/l	99
12) 1,1-Dichloroethene	4.04	96	89565	49.340	ug/l	92
13) Acrolein	3.90	56	20104	270.753	ug/l	97
14) Allyl chloride	4.67	41	112593	46.755	ug/l #	84
15) Acrylonitrile	5.37	53	79092	242.117	ug/l	99
16) Acetone	4.13	43	58483	192.397	ug/l	100
17) Carbon Disulfide	4.39	76	252528	46.813	ug/l	99
18) Methyl Acetate	4.67	43	38431	47.763	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	215513	51.718	ug/l	96
20) Methylene Chloride	4.92	84	96588	48.484	ug/l	90
21) trans-1,2-Dichloroethene	5.43	96	104203	50.615	ug/l	93
22) Diisopropyl ether	6.32	45	240256	52.006	ug/l	94
23) Vinyl Acetate	6.26	43	686333	253.167	ug/l	95
24) 1,1-Dichloroethane	6.22	63	163846	51.174	ug/l	98
25) 2-Butanone	7.17	43	95175	235.998	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	155928	46.292	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	118573	53.349	ug/l	96
28) Bromochloromethane	7.51	49	60824	52.251	ug/l #	72
29) Tetrahydrofuran	7.53	42	62558	248.982	ug/l	87
30) Chloroform	7.68	83	183385	53.070	ug/l	100
31) Cyclohexane	7.95	56	142363	44.235	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	170120	51.010	ug/l	99
36) 1,1-Dichloropropene	8.09	75	140053	50.522	ug/l	98
37) Ethyl Acetate	7.25	43	45433	50.500	ug/l	97
38) Carbon Tetrachloride	8.07	117	151242	49.925	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	174462	47.284	ug/l	96
40) Benzene	8.32	78	380934	51.442	ug/l	96
41) Methacrylonitrile	7.49	41	29114	53.934	ug/l	97
42) 1,2-Dichloroethane	8.40	62	113423	52.030	ug/l	99
43) Isopropyl Acetate	8.42	43	93955	49.792	ug/l	95
44) Trichloroethene	9.09	130	121585	53.678	ug/l	94
45) 1,2-Dichloropropane	9.37	63	88646	51.477	ug/l	98
46) Dibromomethane	9.46	93	52908	53.113	ug/l #	88
47) Bromodichloromethane	9.65	83	140536	52.775	ug/l	98
48) Methyl methacrylate	9.43	41	42462	47.603	ug/l #	81
49) 1,4-Dioxane	9.45	88	12788	962.972	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	223800	252.661	ug/l	96
52) Toluene	10.39	92	270956	52.283	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	137812	52.485	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	158765	52.020	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	75755	54.310	ug/l	96
56) Ethyl methacrylate	10.65	69	92204	51.312	ug/l	93
57) 1,3-Dichloropropane	10.93	76	123932	53.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	208440	250.202	ug/l	90
59) 2-Hexanone	10.97	43	153447	242.682	ug/l	96
60) Dibromochloromethane	11.13	129	100541	54.591	ug/l	100
61) 1,2-Dibromoethane	11.23	107	73592	54.070	ug/l	97
64) Tetrachloroethene	10.86	164	109304	51.377	ug/l	94
65) Chlorobenzene	11.66	112	302139	51.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	111688	53.125	ug/l	98
67) Ethyl Benzene	11.73	91	550834	50.496	ug/l	99
68) m/p-Xylenes	11.84	106	431098	100.822	ug/l	99
69) o-Xylene	12.16	106	207678	52.036	ug/l	98
70) Styrene	12.18	104	358145	52.645	ug/l	99
71) Bromoform	12.35	173	63498	53.603	ug/l #	97
73) Isopropylbenzene	12.46	105	566969	48.477	ug/l	100
74) N-amyl acetate	12.27	43	96474	47.414	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	79839	48.079	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	50671m	38.830	ug/l	
77) Bromobenzene	12.75	156	137022	50.993	ug/l	82
78) n-propylbenzene	12.80	91	659941	48.463	ug/l	96
79) 2-Chlorotoluene	12.89	91	383473	49.969	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	504609	50.086	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26793	44.882	ug/l	93
82) 4-Chlorotoluene	12.99	91	406155	49.846	ug/l	97
83) tert-Butylbenzene	13.21	119	439892	49.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	506609	50.982	ug/l	100
85) sec-Butylbenzene	13.38	105	593452	48.800	ug/l	97
86) p-Isopropyltoluene	13.50	119	566761	50.156	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	278012	52.072	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	266517	50.924	ug/l	96
89) n-Butylbenzene	13.82	91	506348	49.024	ug/l	98
90) Hexachloroethane	14.09	117	104111	50.238	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	245409	52.896	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14321	47.656	ug/l	83

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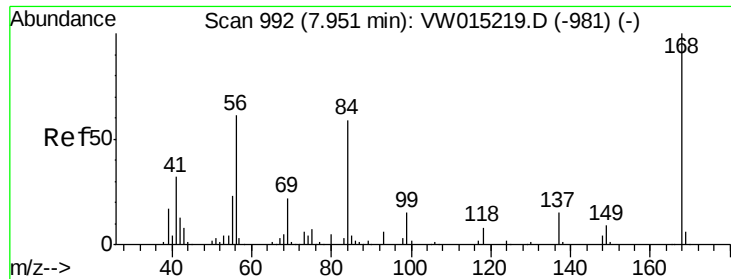
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174171	54.010	ug/l	97
94) Hexachlorobutadiene	15.24	225	111080	51.666	ug/l	97
95) Naphthalene	15.36	128	273092	52.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	146789	55.946	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tot Ion:168 Resp: 212821

Ion Ratio Lower Upper

168 100

99 50.3 48.5 72.7

Instrument :

MSVOA_W

ClientSampleId :

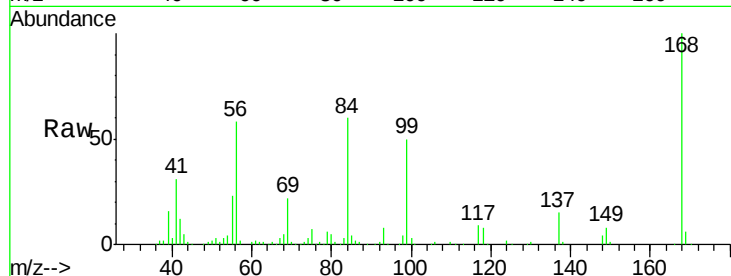
VSTDCCC050EC

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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

100000

80000

60000

40000

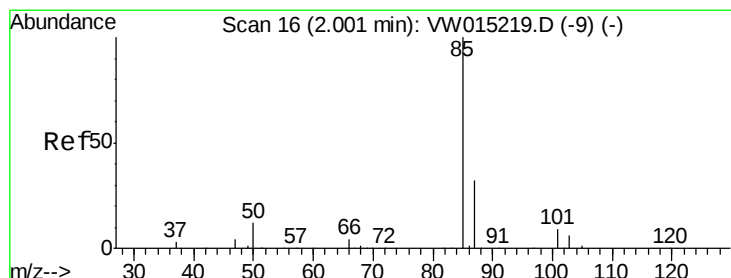
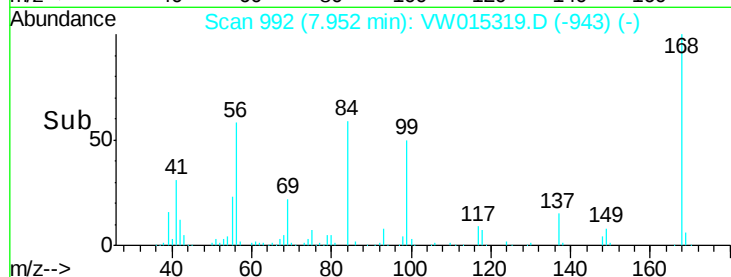
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 46.869 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015319.D

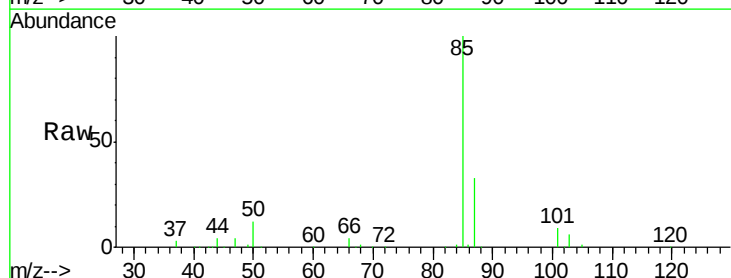
Acq: 22 Apr 2020 19:51

Tgt Ion: 85 Resp: 78769

Ion Ratio Lower Upper

85 100

87 33.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

40000

20000

0

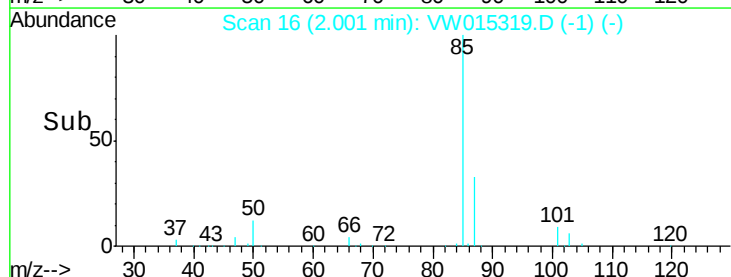
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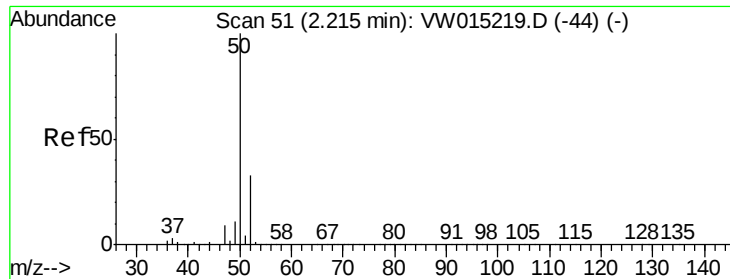
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.151 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 86295

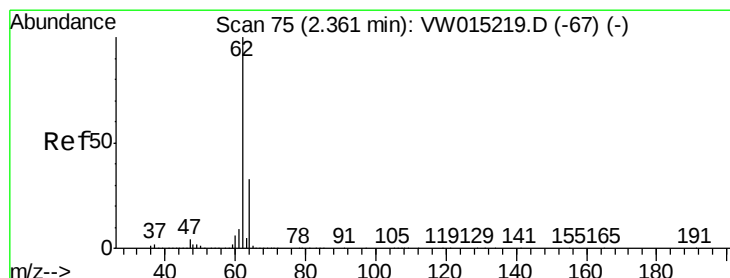
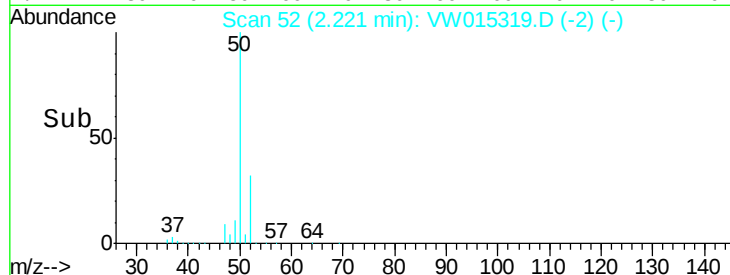
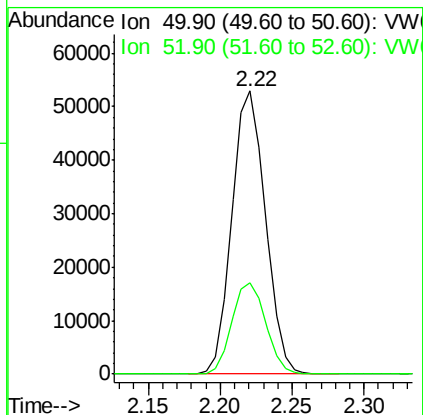
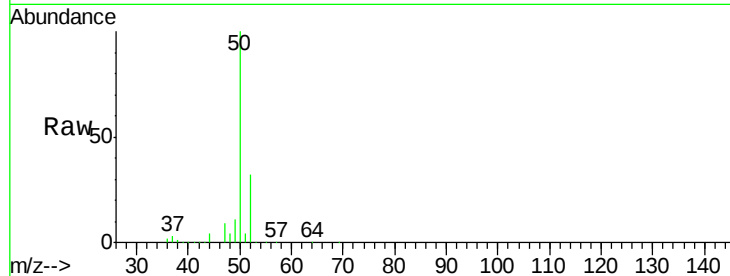
Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.792 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015319.D

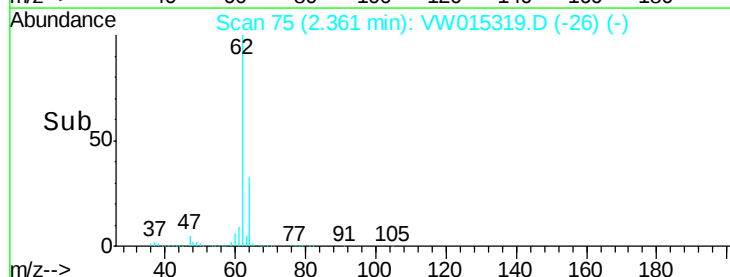
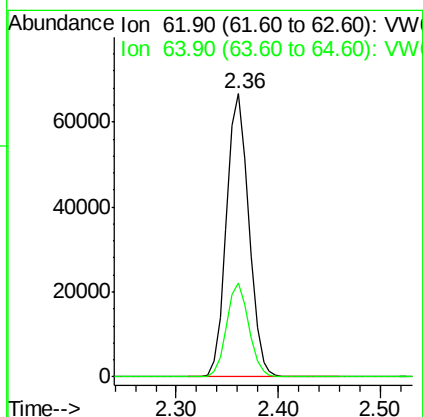
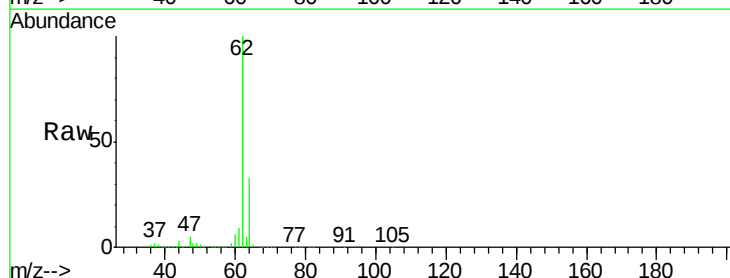
Acq: 22 Apr 2020 19:51

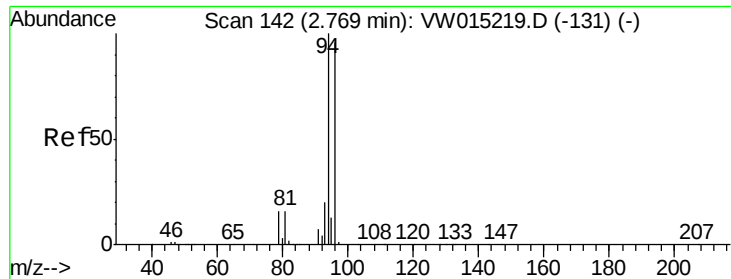
Tgt Ion: 62 Resp: 101125

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2





#5

Bromomethane

Concen: 56.571 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 86930

Ion Ratio Lower Upper

94 100

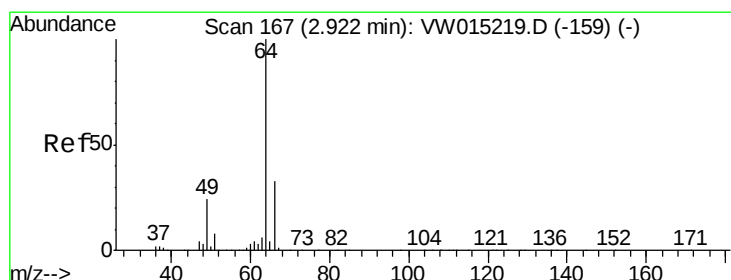
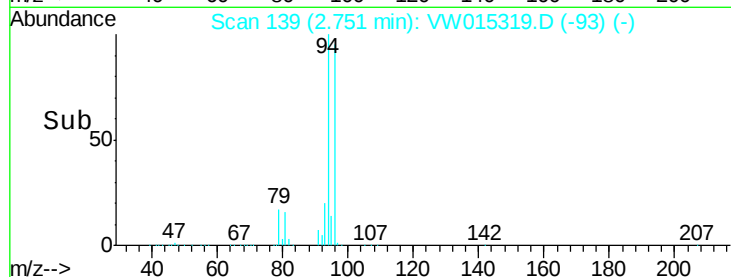
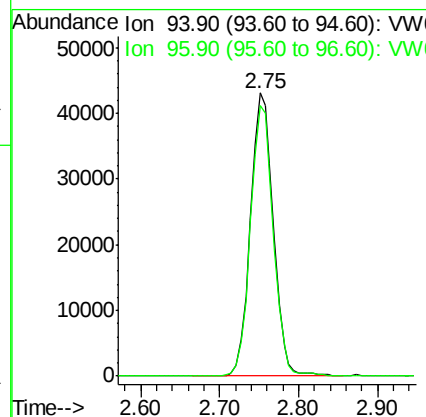
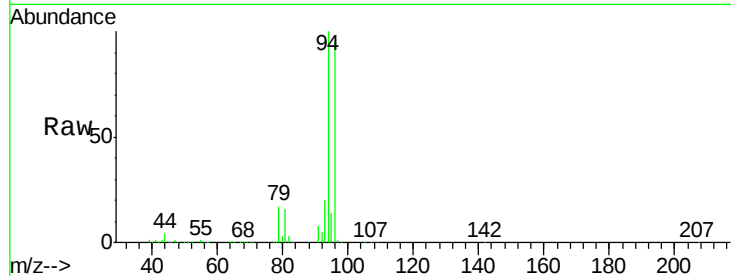
96 95.2 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 47.625 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015319.D

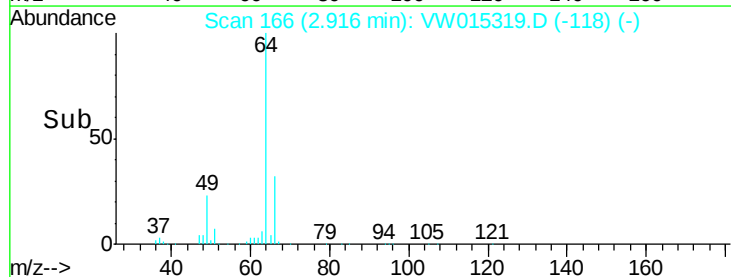
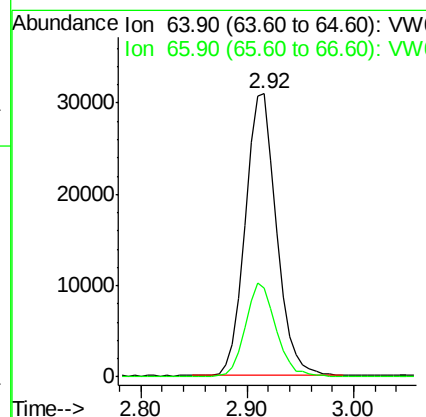
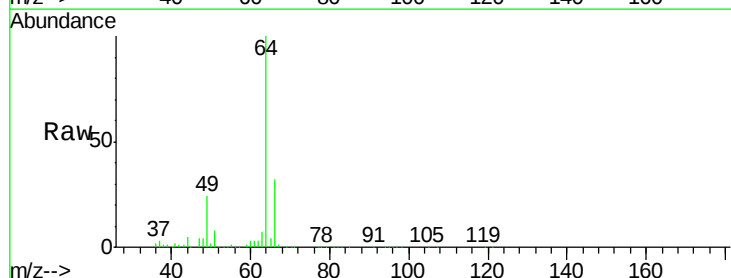
Acq: 22 Apr 2020 19:51

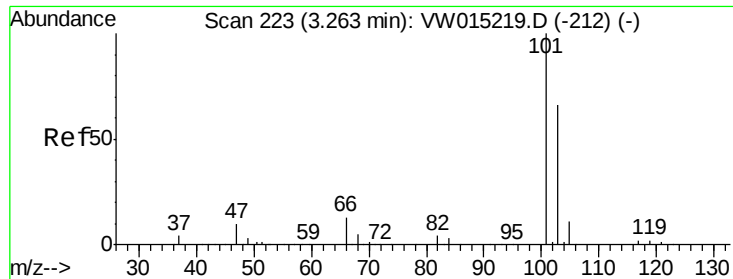
Tgt Ion: 64 Resp: 63844

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.6





#7

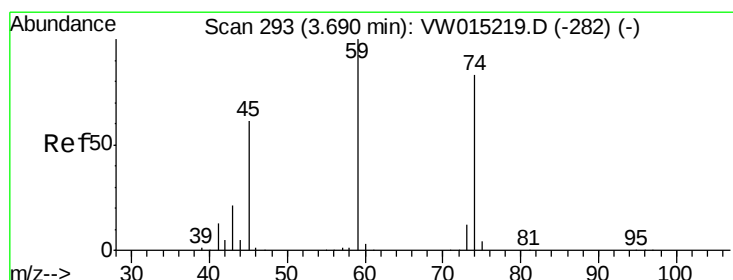
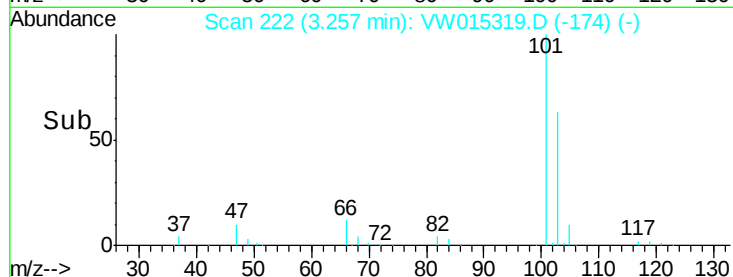
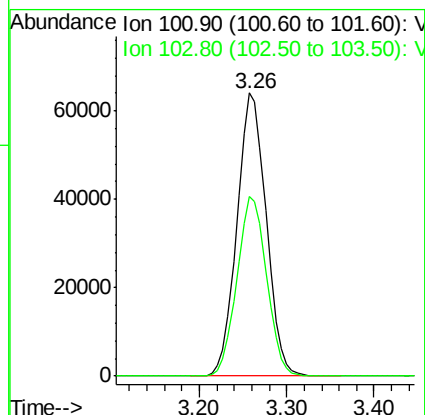
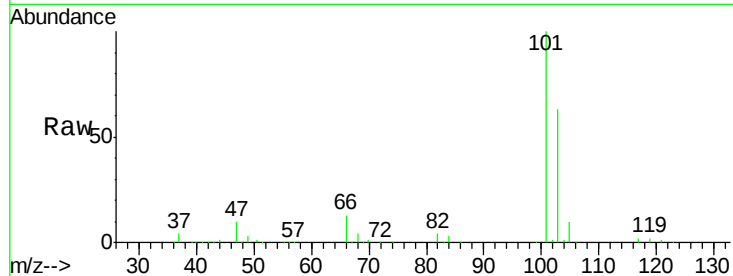
Trichlorofluoromethane
Concen: 48.708 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.3	76.9

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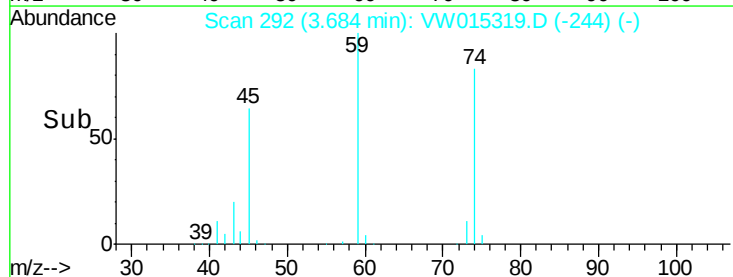
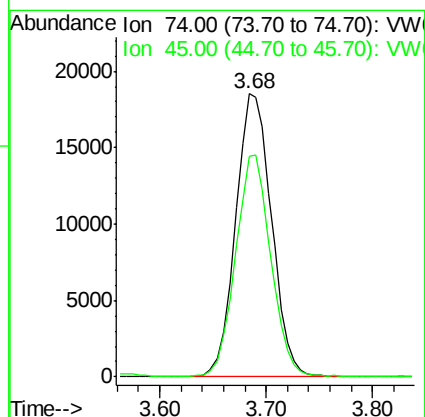
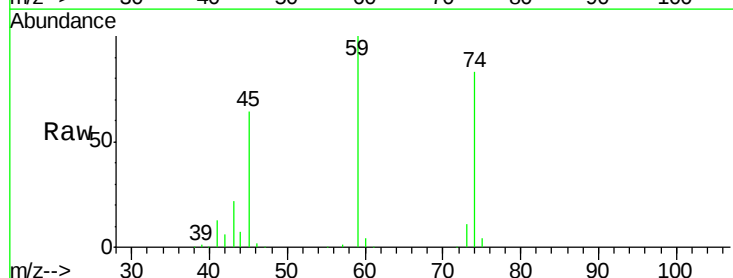
MMDadoda
4/23/2020 1:33:04 PM

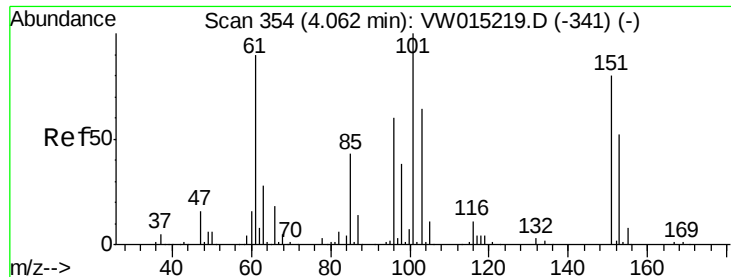


#8

Diethyl Ether
Concen: 50.980 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.632 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

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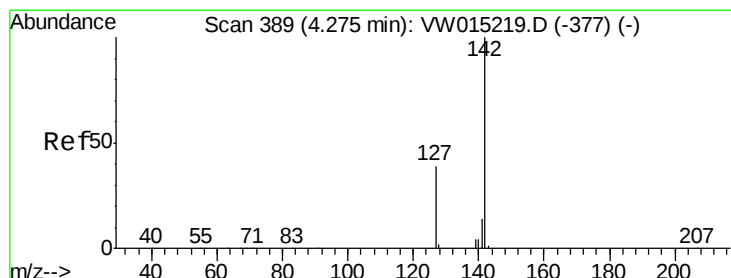
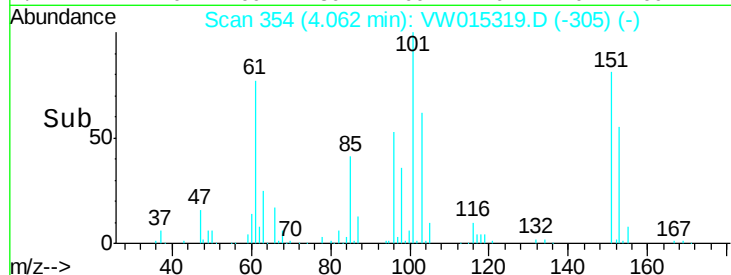
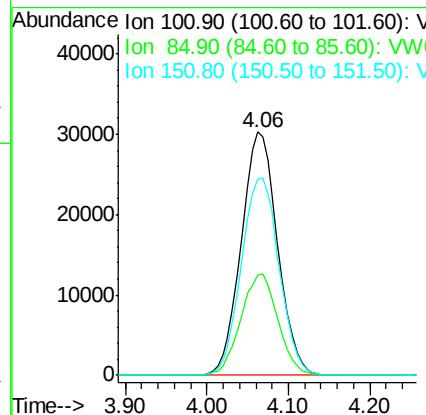
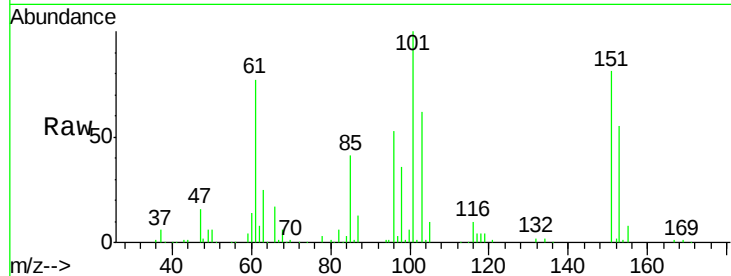
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	93601
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.3	52.9
151	84.3	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 47.939 ug/l

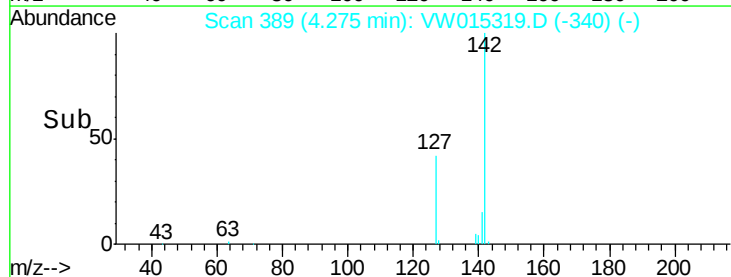
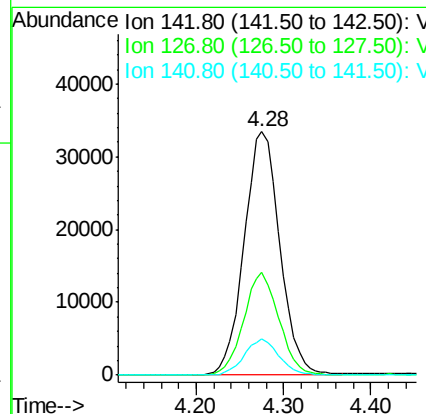
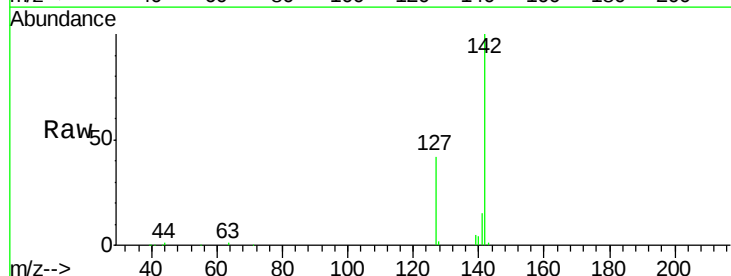
RT: 4.28 min Scan# 389

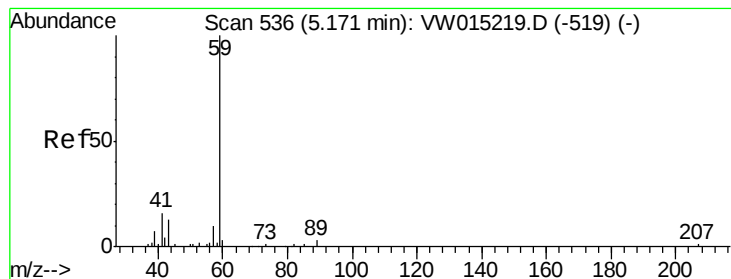
Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tgt Ion:	142	Resp:	94958
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.9	50.9
141	14.4	11.4	17.2





#11

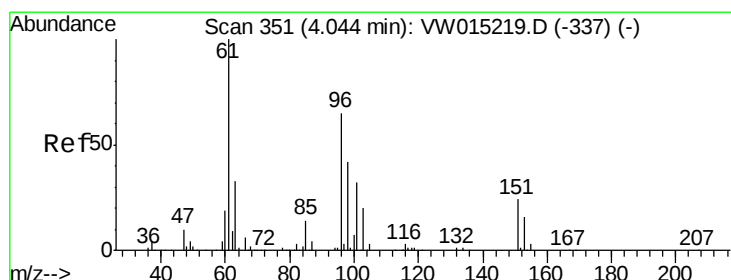
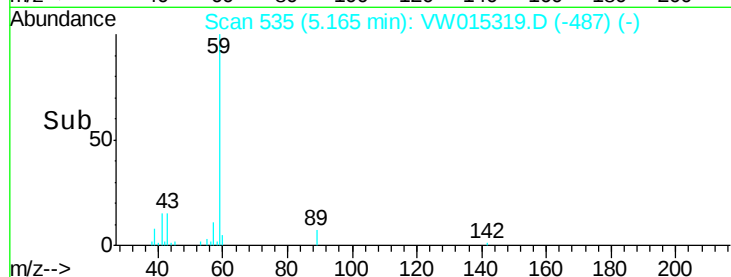
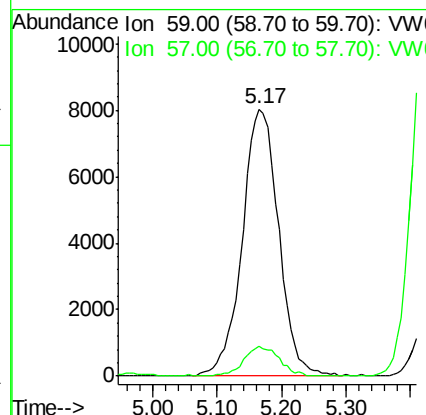
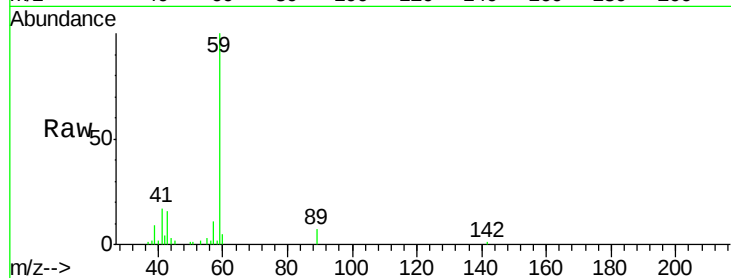
Tert butyl alcohol
Concen: 220.222 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	31242
Ion Ratio	100	Lower	Upper
57	11.0	8.4	12.6

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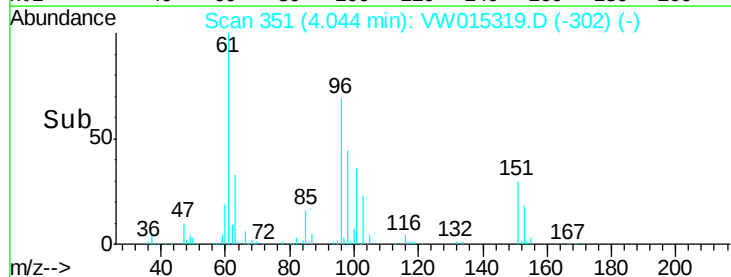
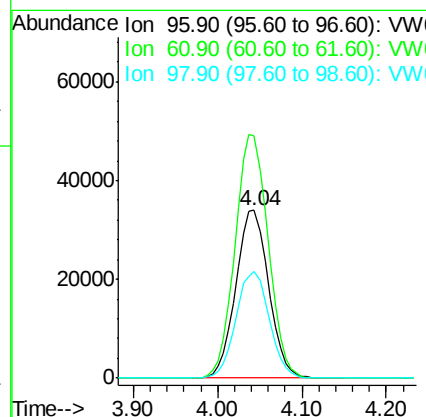
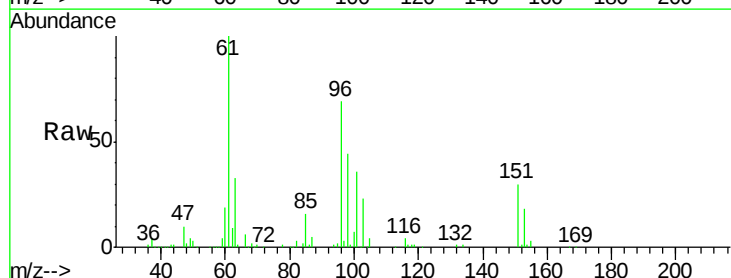
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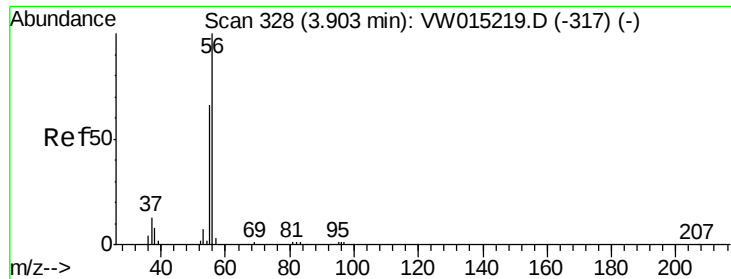


#12

1,1-Dichloroethene
Concen: 49.340 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	96	Resp	89565
Ion Ratio	100	Lower	Upper
61	144.4	127.0	190.4
98	63.6	51.0	76.4





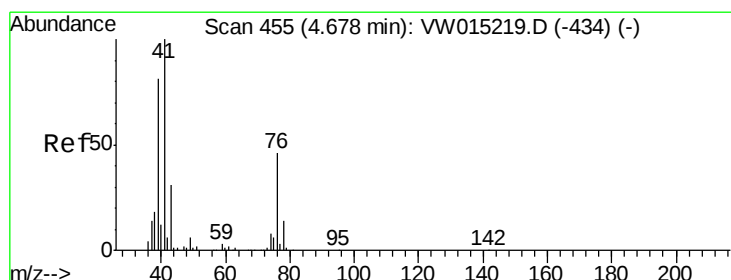
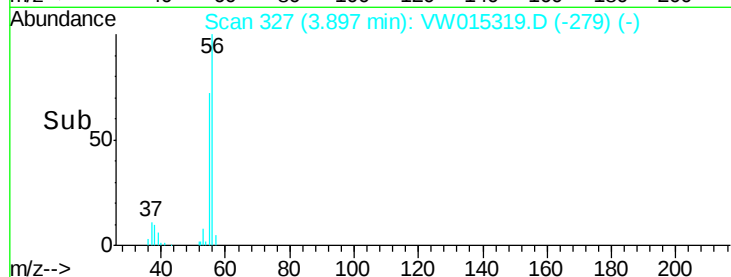
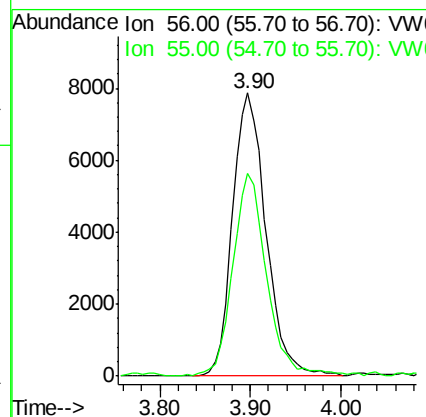
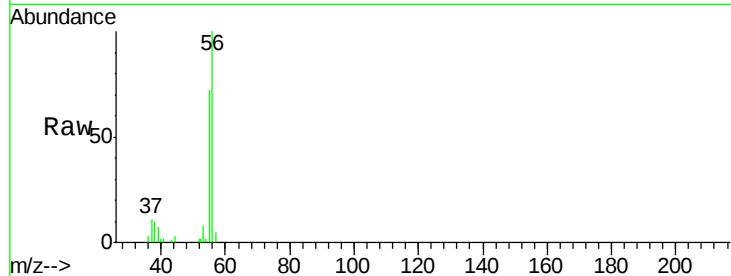
#13
Acrolein
Concen: 270.753 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.9	56.2	84.2

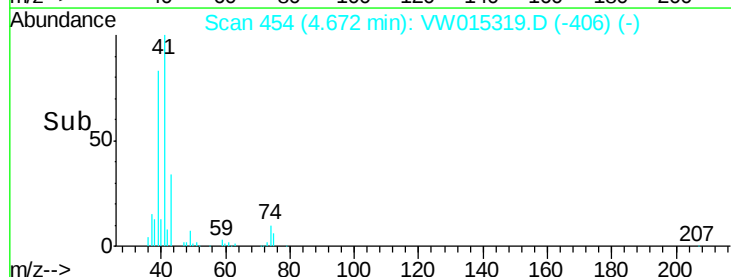
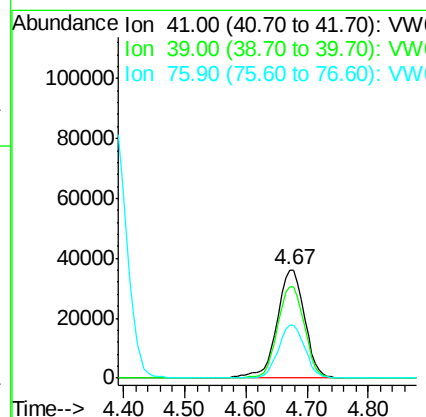
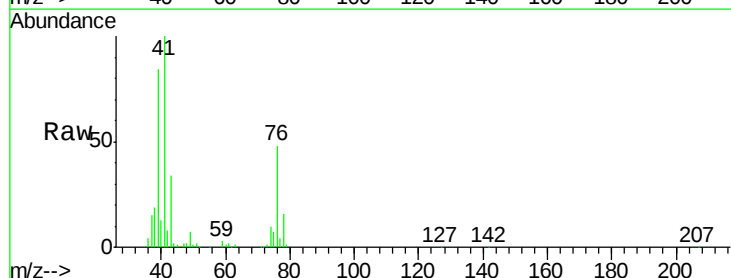
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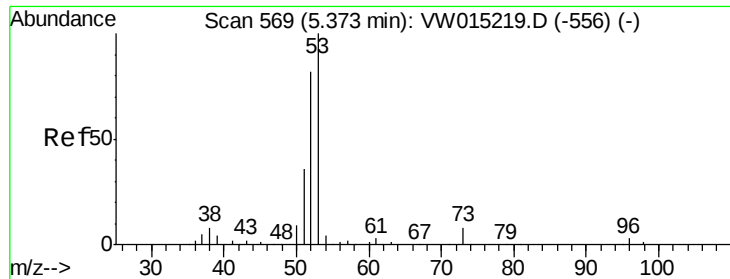
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#14
Allyl chloride
Concen: 46.755 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	82.5	54.0	81.0#
76	46.9	31.8	47.6





#15

Acrylonitrile

Concen: 242.117 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

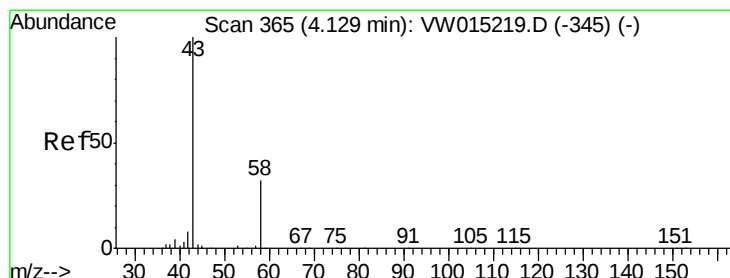
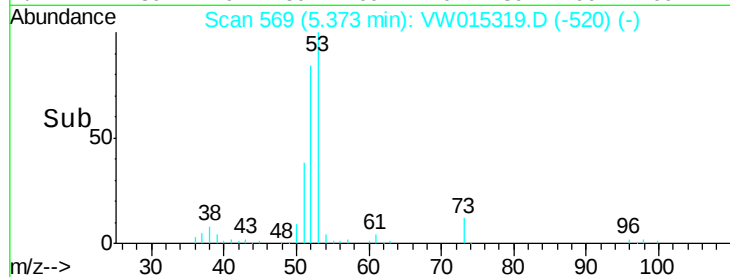
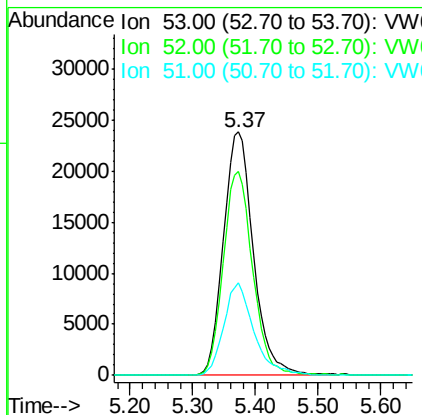
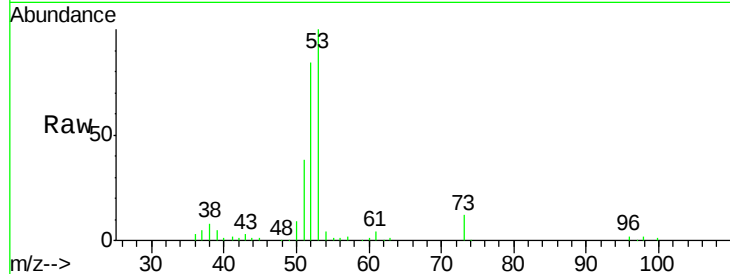
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	79092
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	37.9	28.2	42.4

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#16

Acetone

Concen: 192.397 ug/l

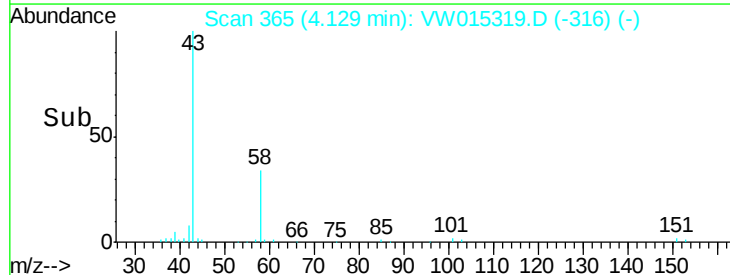
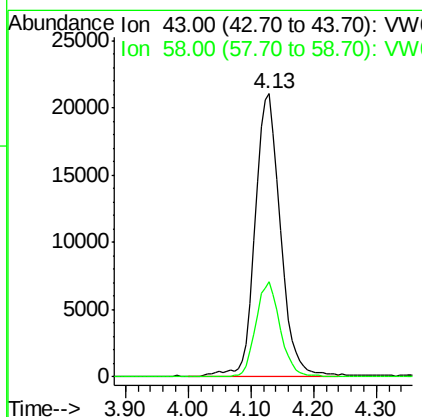
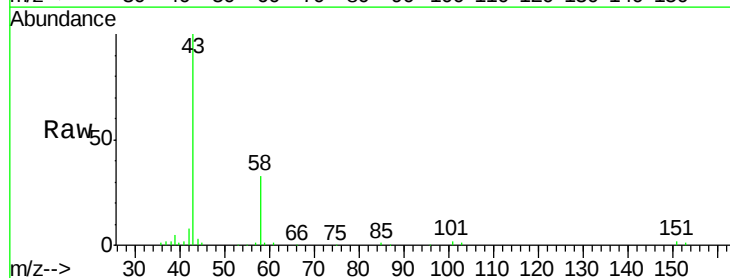
RT: 4.13 min Scan# 365

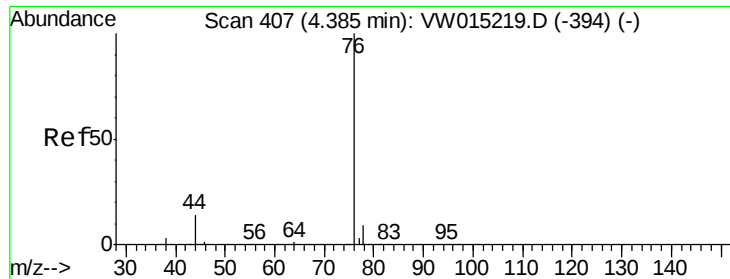
Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tgt Ion:	43	Resp:	58483
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.0	40.4





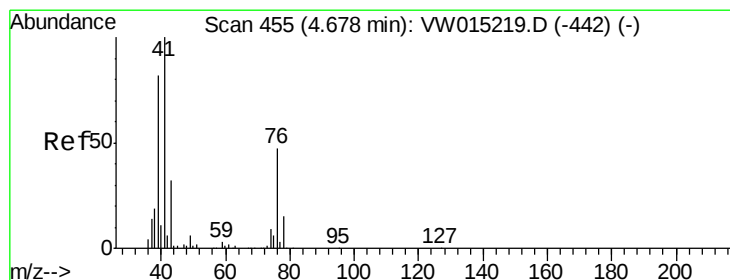
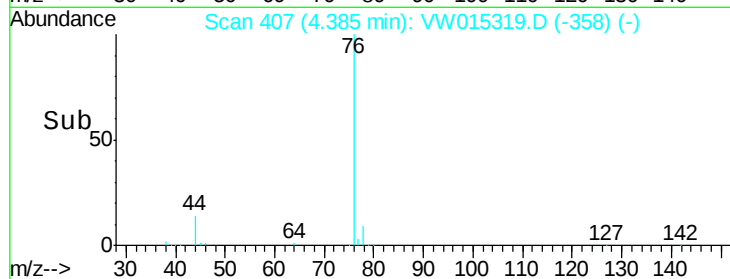
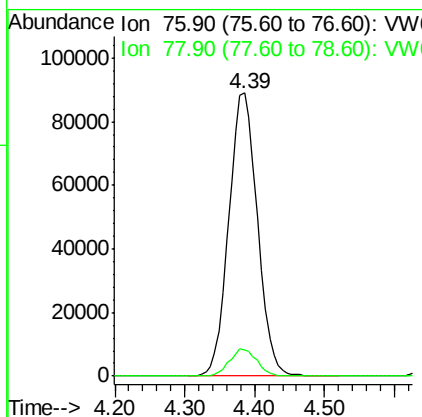
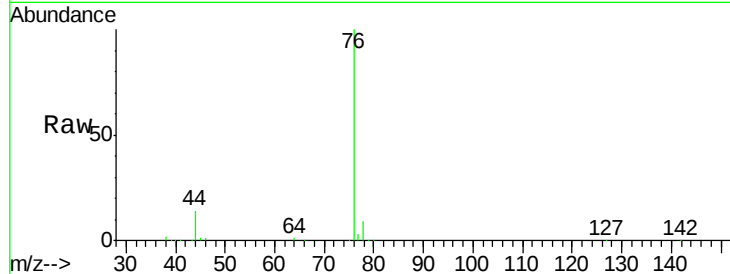
#17
Carbon Disulfide
Concen: 46.813 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

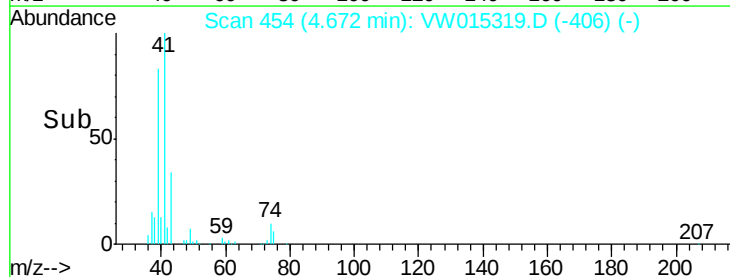
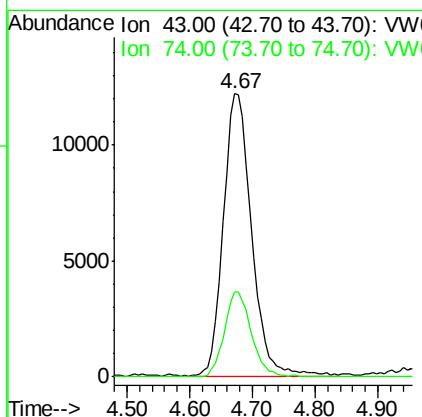
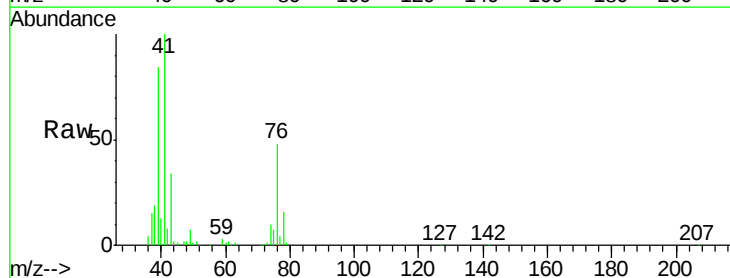
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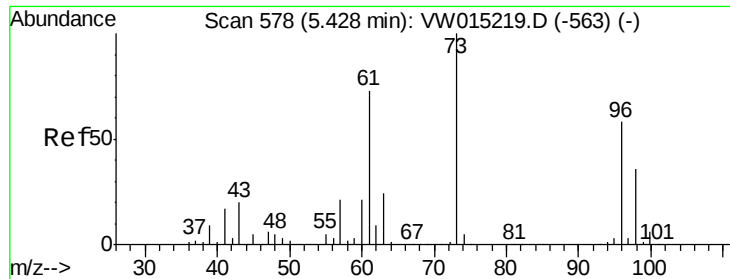
MMDadoda
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#18
Methyl Acetate
Concen: 47.763 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	20.6	31.0





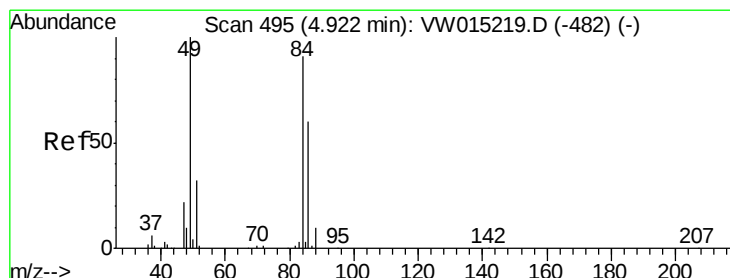
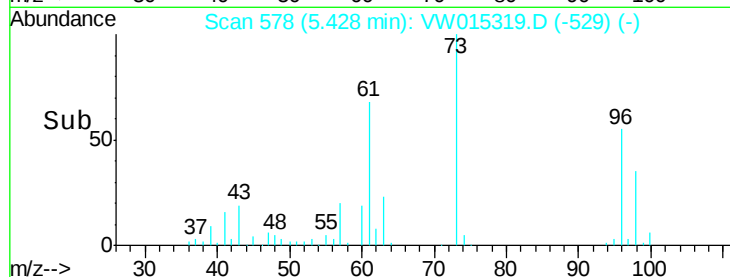
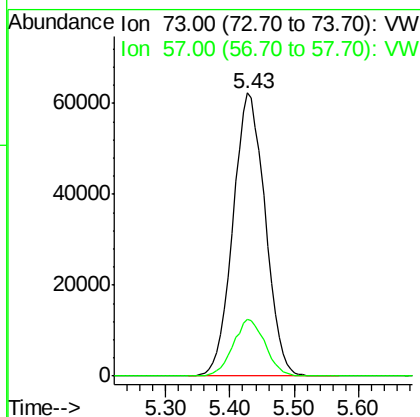
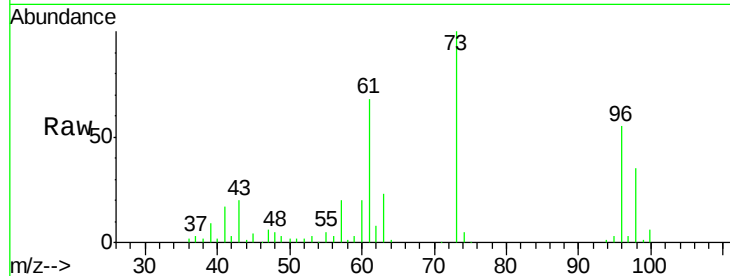
#19
Methvl tert-butvl Ether
Concen: 51.718 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 215513
Ion Ratio Lower Upper
73 100
57 20.2 17.8 26.6

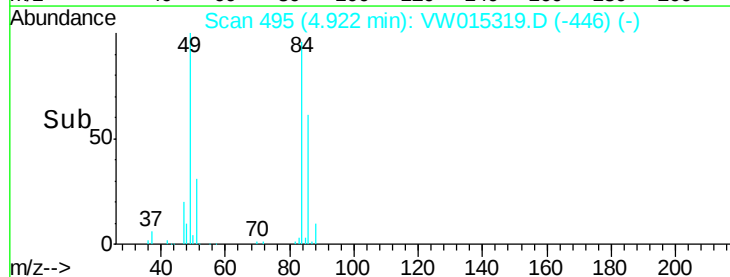
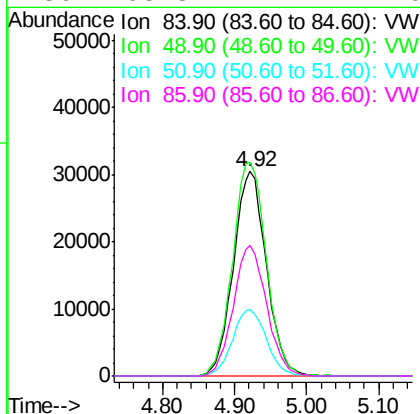
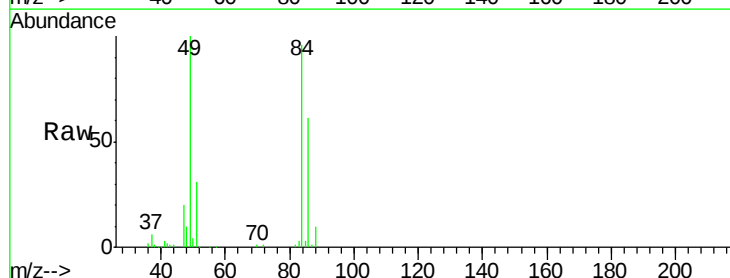
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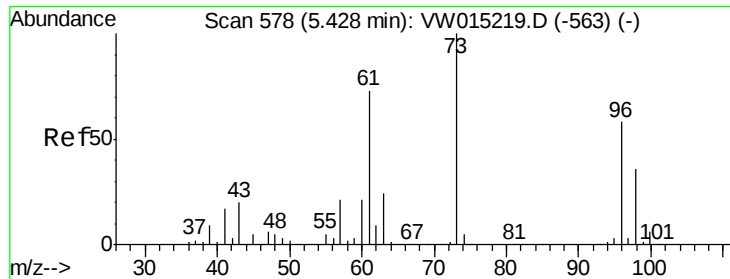
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#20
Methylene Chloride
Concen: 48.484 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion: 84 Resp: 96588
Ion Ratio Lower Upper
84 100
49 104.4 95.4 143.0
51 32.7 29.8 44.8
86 63.8 47.4 71.0





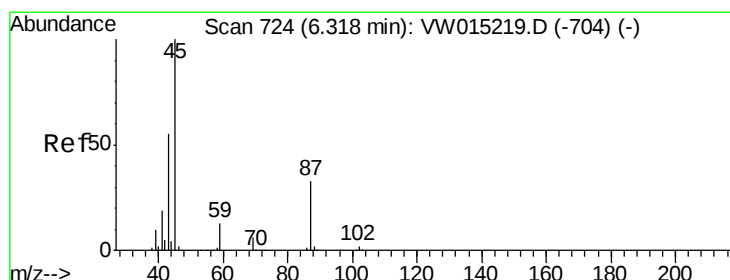
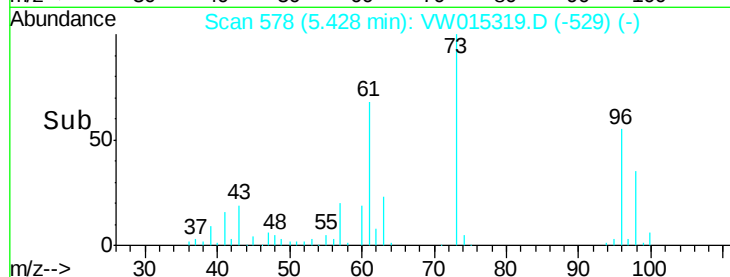
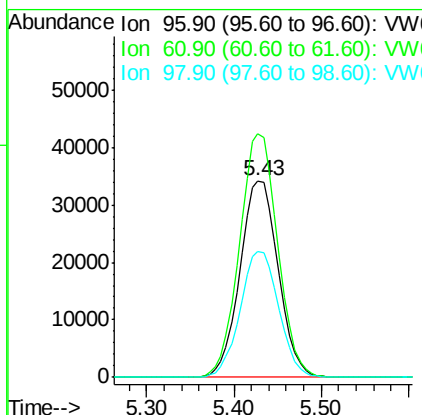
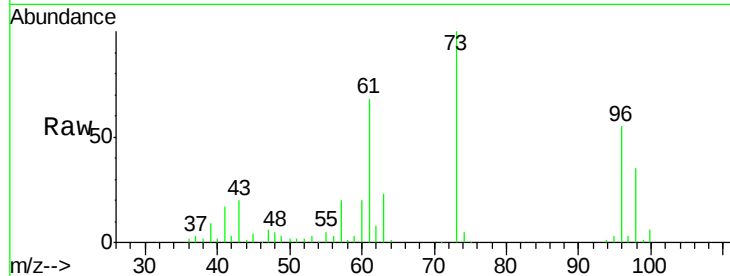
#21
trans-1,2-Dichloroethene
Concen: 50.615 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.9	107.8	161.6
98	63.8	50.2	75.2

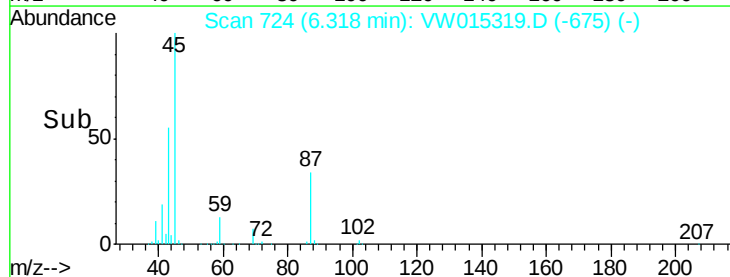
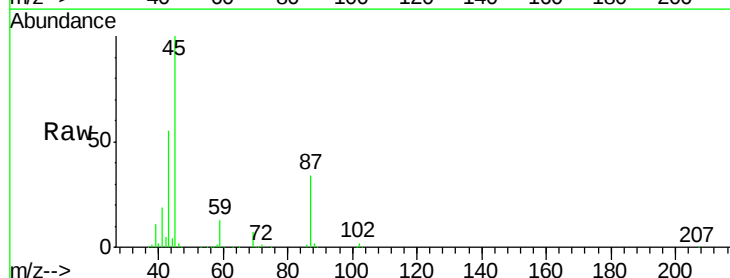
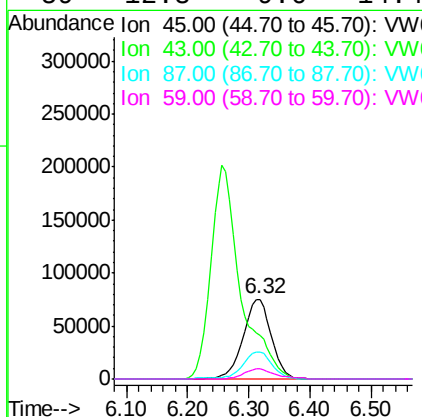
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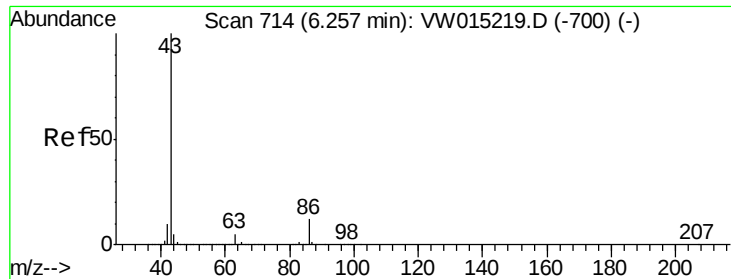
MMDadoda
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#22
Diisopropyl ether
Concen: 52.006 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	41.8	62.6
87	34.5	23.2	34.8
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 253.167 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 686333

Ion Ratio Lower Upper

43 100

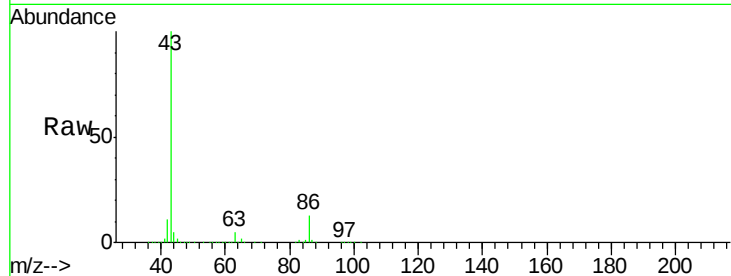
86 13.1 9.1 13.7

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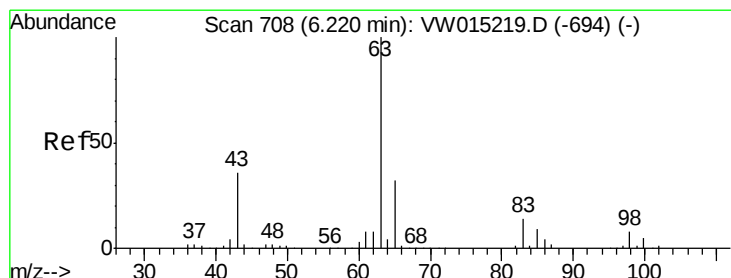
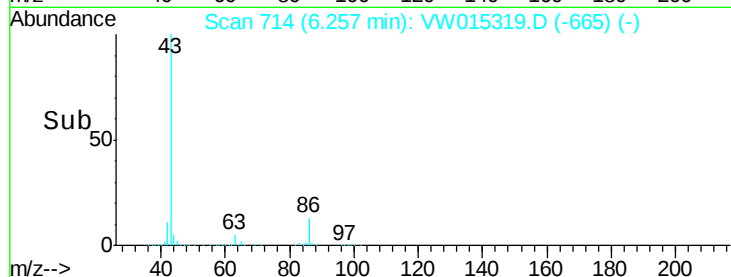
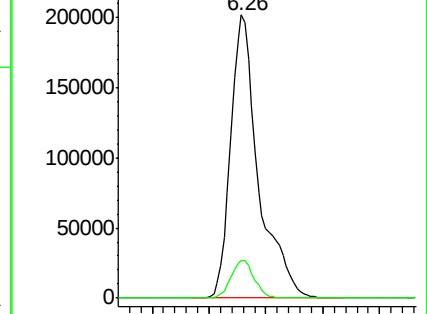
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.174 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

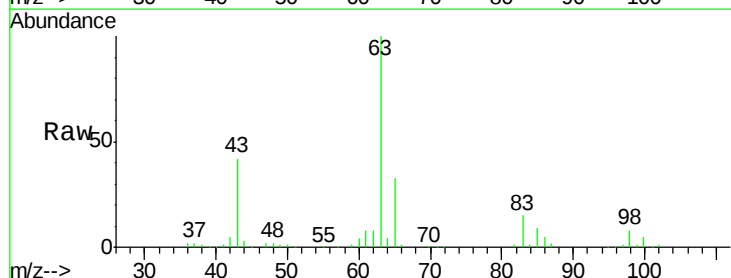
Tgt Ion: 63 Resp: 163846

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

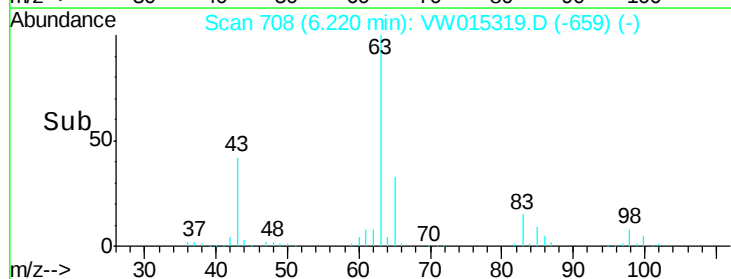
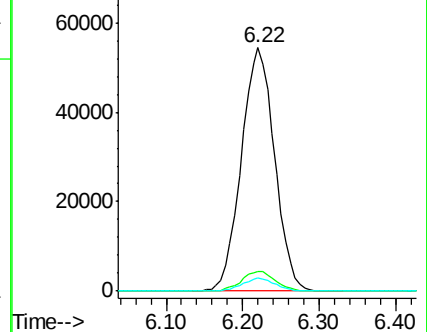
100 5.3 2.4 7.2

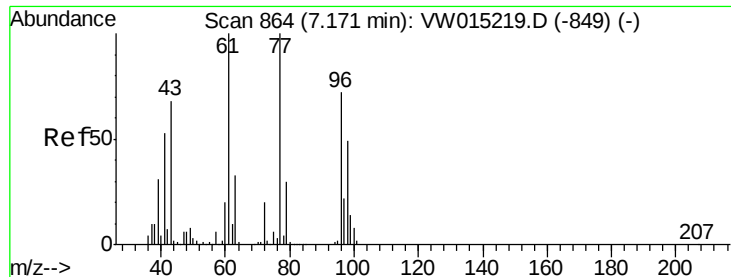


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 235.998 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 95175

Ion Ratio Lower Upper

43 100

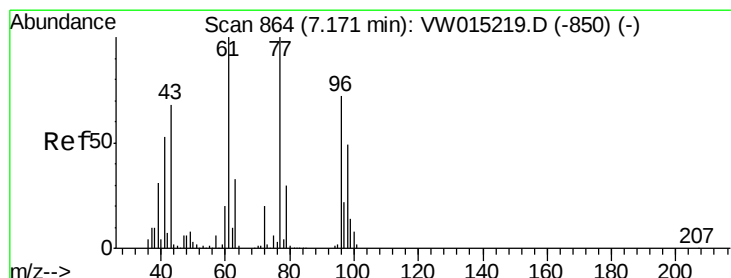
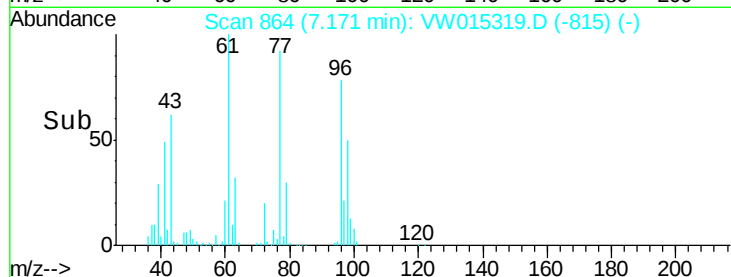
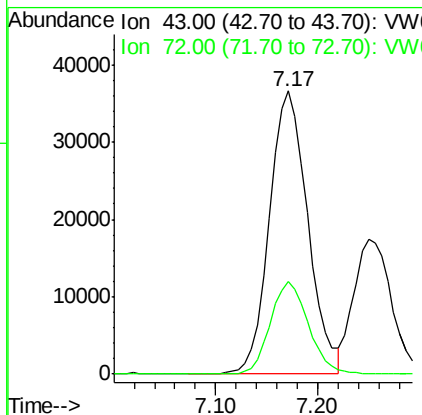
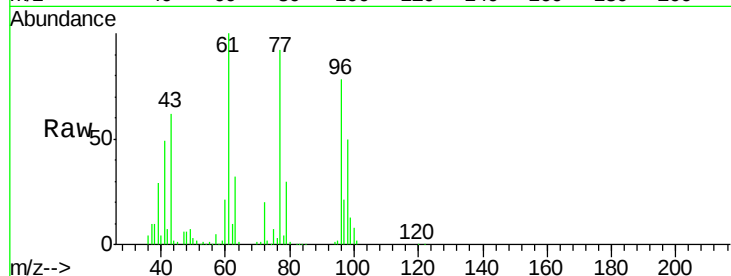
72 33.0 21.6 32.4#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.292 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015319.D

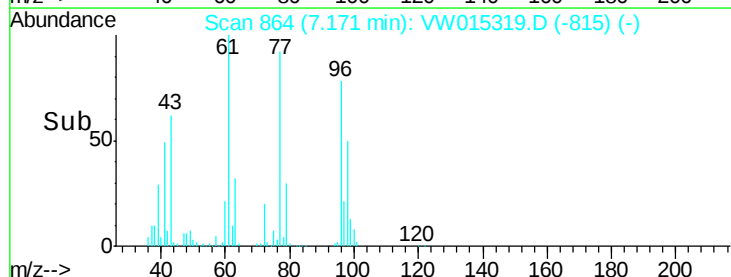
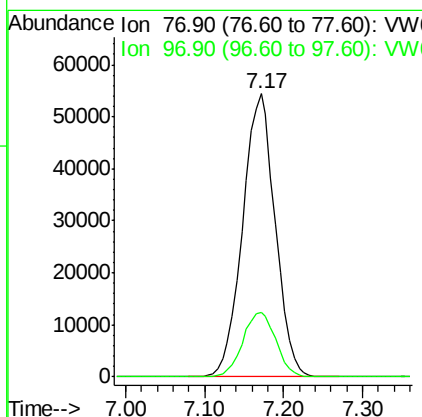
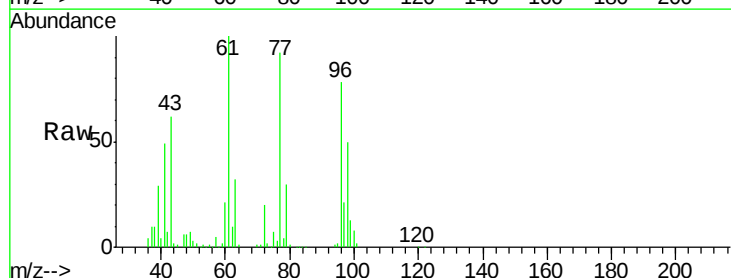
Acq: 22 Apr 2020 19:51

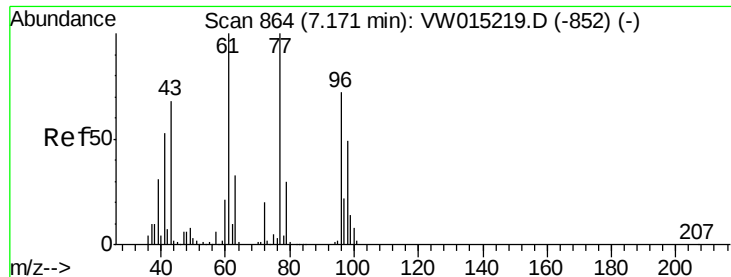
Tgt Ion: 77 Resp: 155928

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5





#27

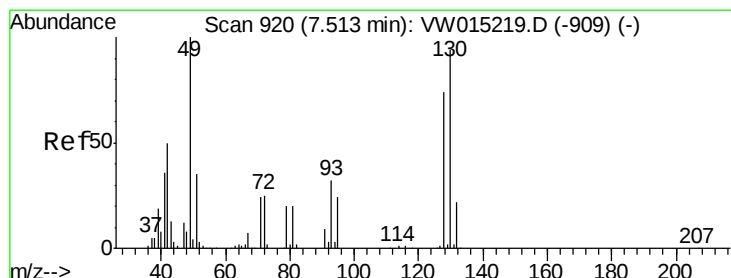
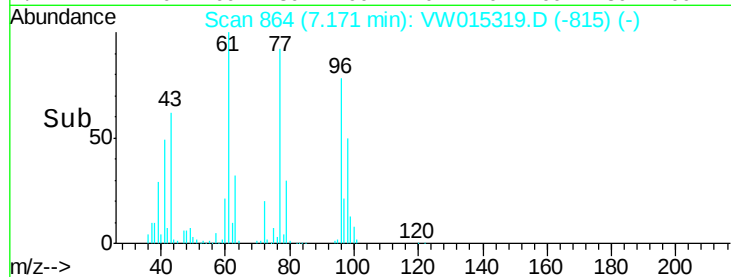
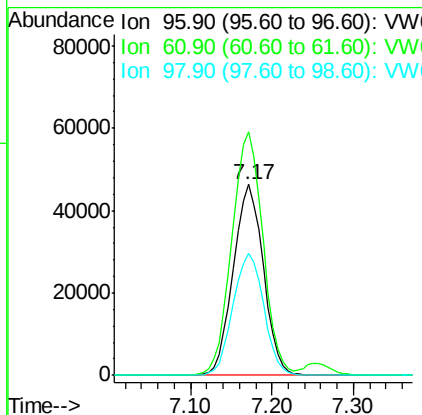
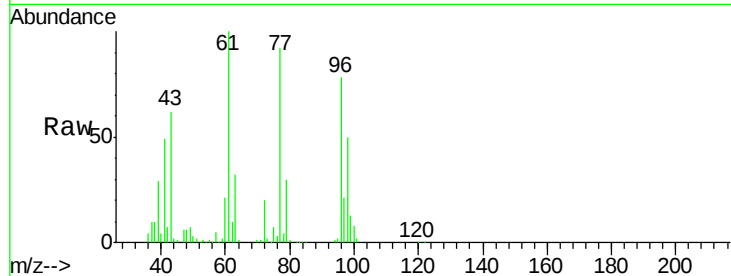
cis-1,2-Dichloroethene
Concen: 53.349 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.2	0.0	275.0	
98	65.2	0.0	130.8	

Manual Integrations
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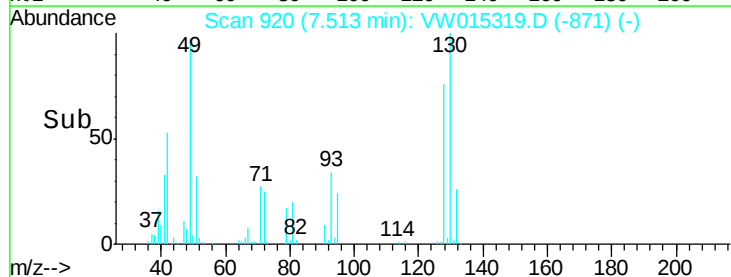
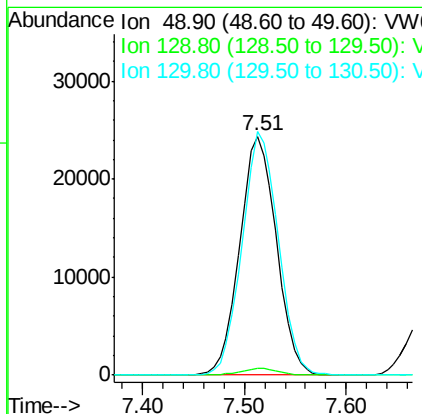
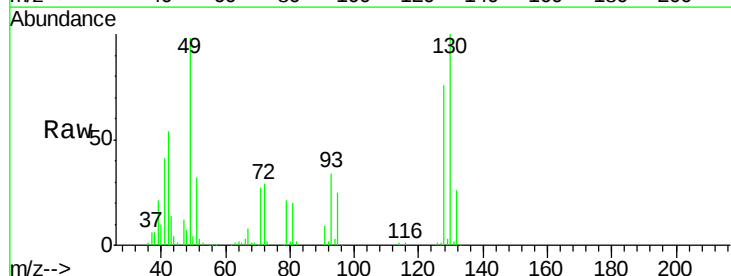
MMDadoda
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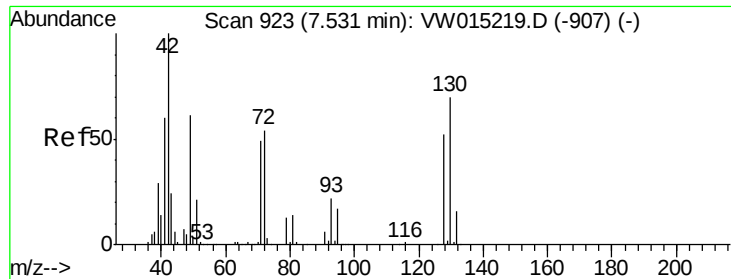


#28

Bromochloromethane
Concen: 52.251 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.6	
130	100.5	60.9	91.3#	





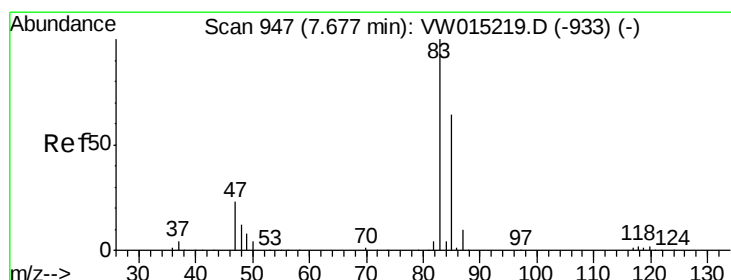
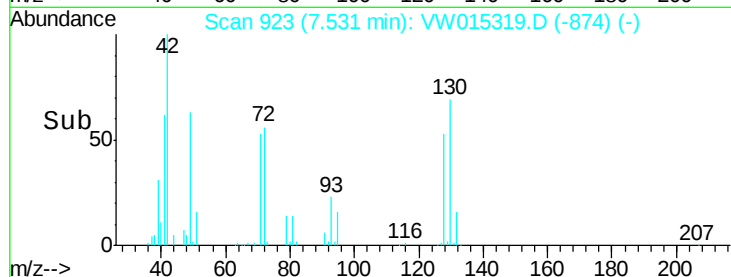
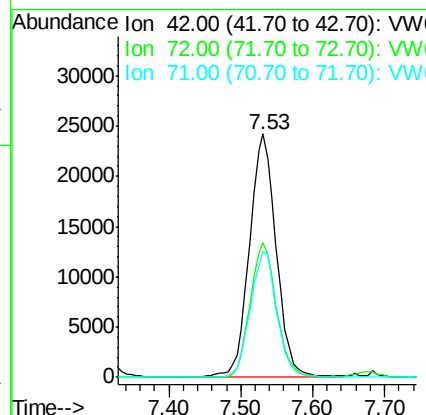
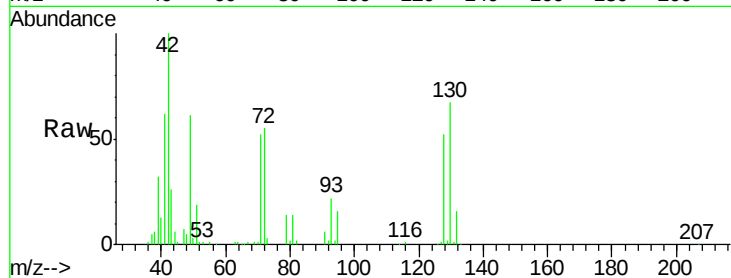
#29
Tetrahydrofuran
Concen: 248.982 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.0	36.2	54.2
71	50.9	34.2	51.4

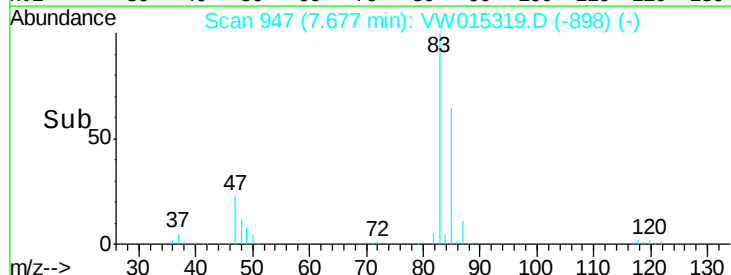
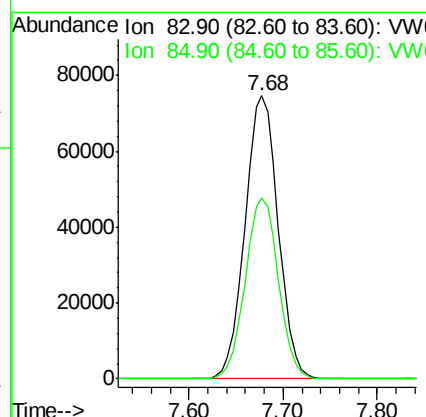
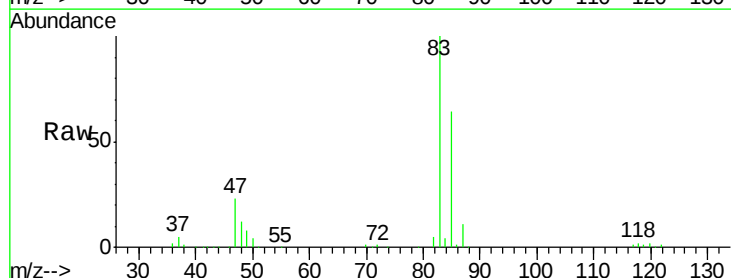
Manual Integrations
APPROVED

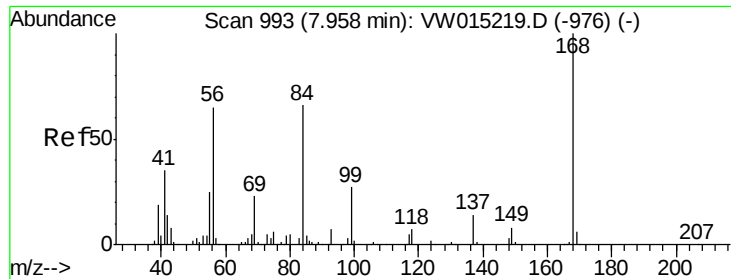
MMDadoda
4/23/2020 1:33:04 PM



#30
Chloroform
Concen: 53.070 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.9	76.3





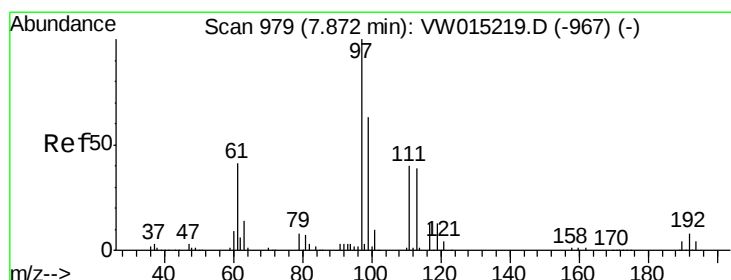
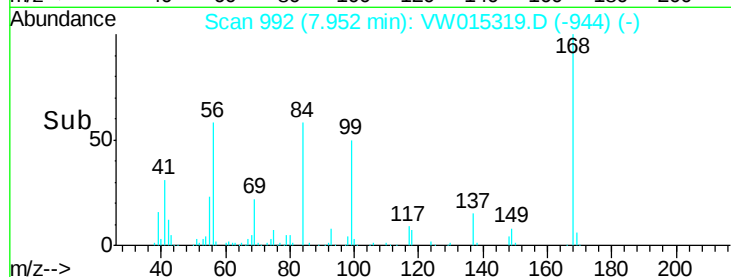
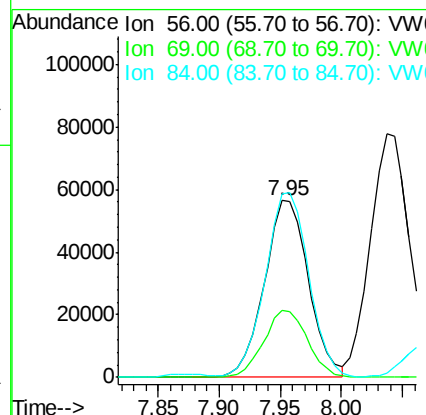
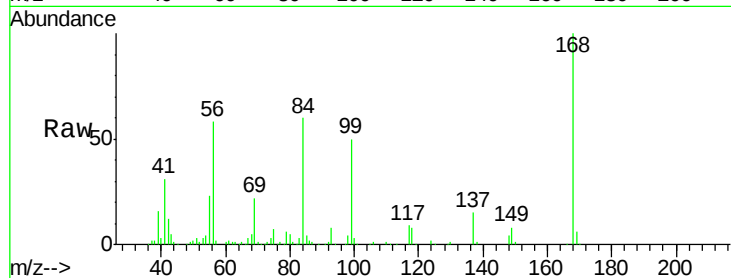
#31
Cyclohexane
Concen: 44.235 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	27.1	40.7
84	101.7	71.9	107.9

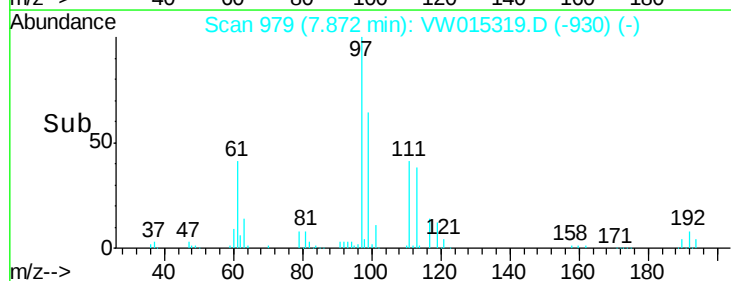
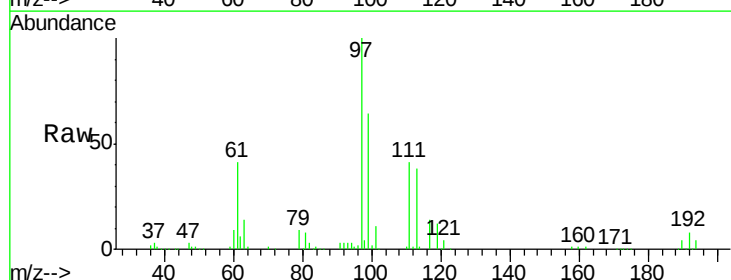
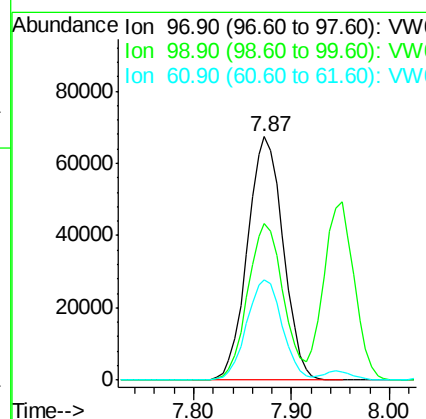
Manual Integrations
APPROVED

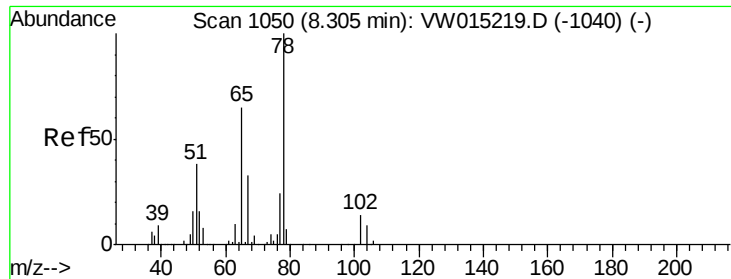
MMDadoda
4/23/2020 1:33:04 PM



#32
1,1,1-Trichloroethane
Concen: 51.010 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	41.2	34.2	51.2





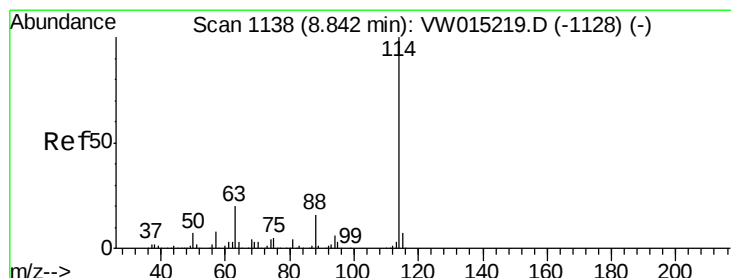
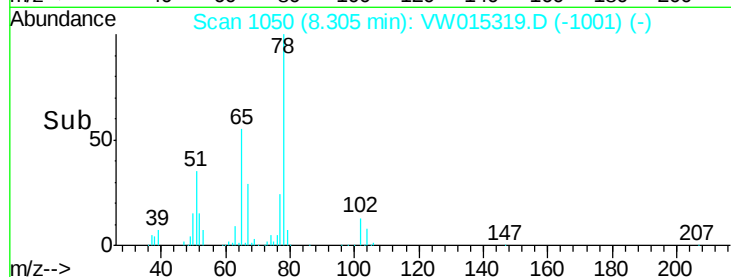
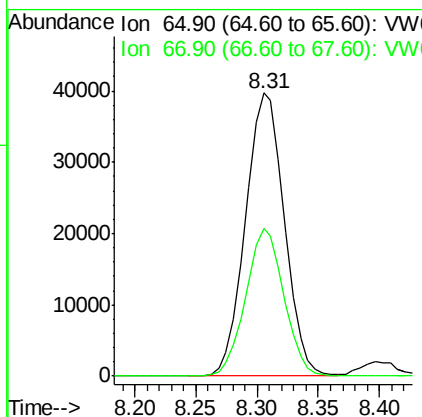
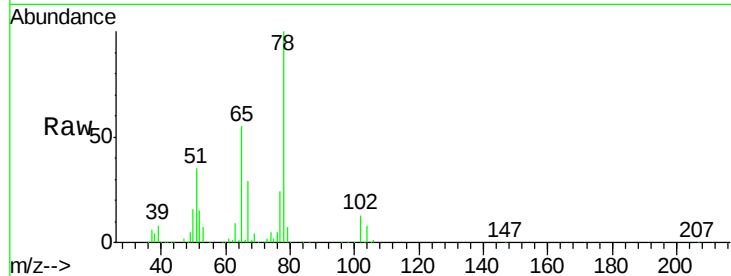
#33
 1,2-Dichloroethane-d4
 Concen: 50.426 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	107.0

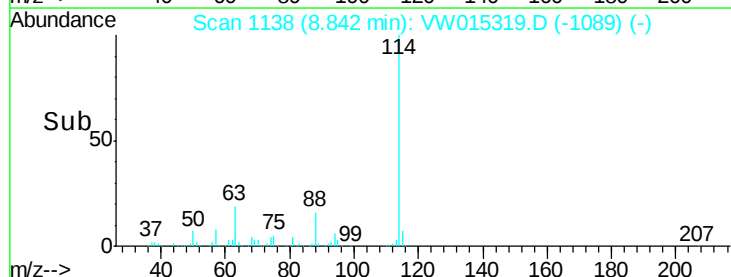
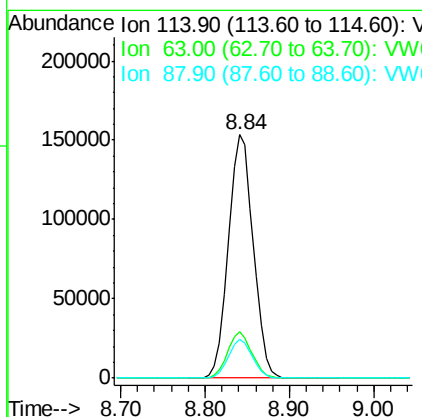
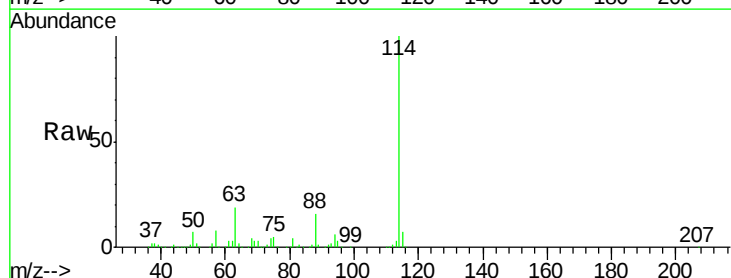
Manual Integrations
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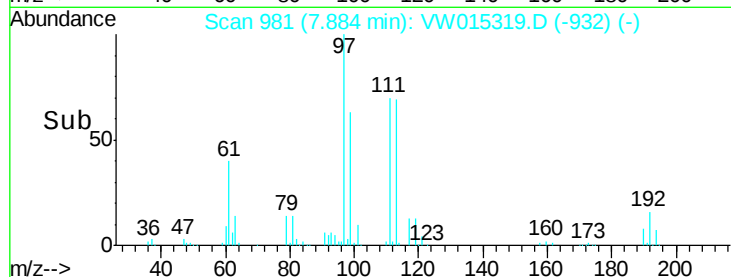
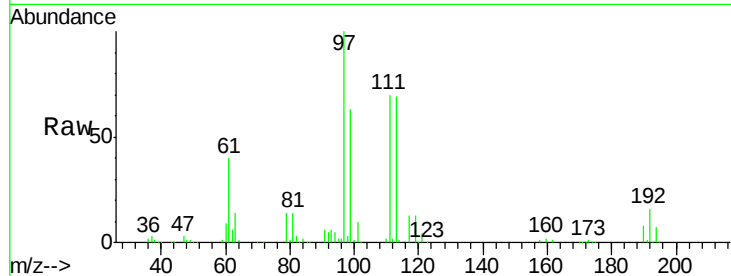
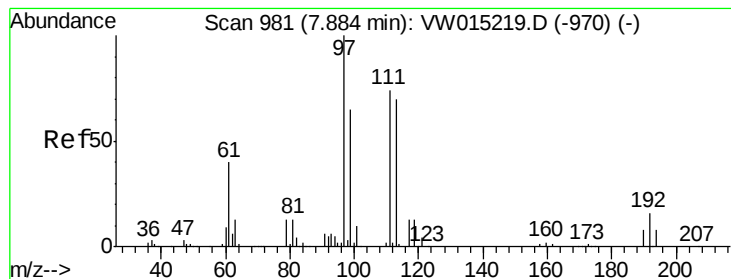
MMDadoda
 4/23/2020 1:33:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.8
88	15.9	0.0	30.2





#35

Dibromofluoromethane

Concen: 52.322 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015319.D

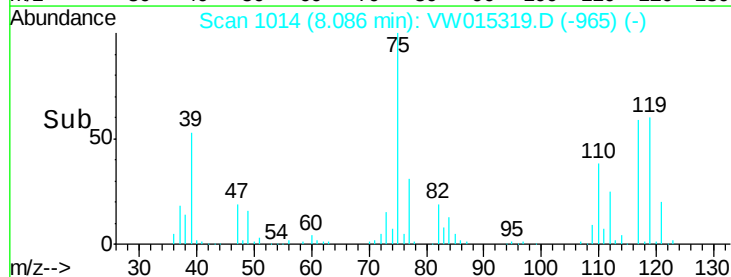
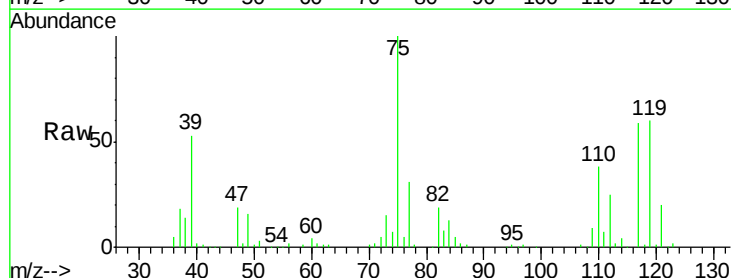
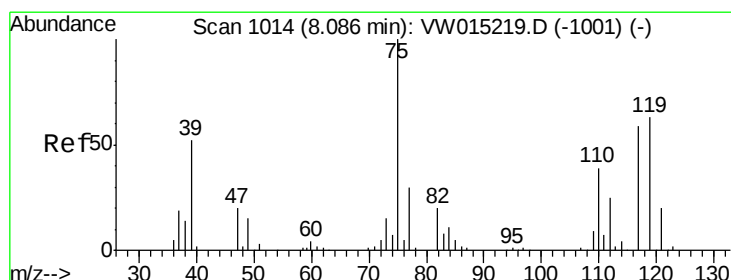
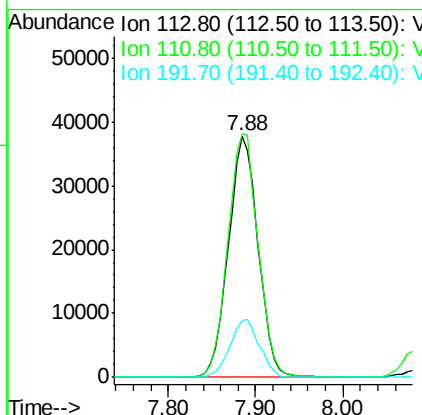
Acq: 22 Apr 2020 19:51

Tot Ion:	113	Resp:	89016
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.0	124.4
192	23.8	15.1	22.7#

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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4/23/2020 1:33:04 PM



#36

1,1-Dichloropropene

Concen: 50.522 ug/l

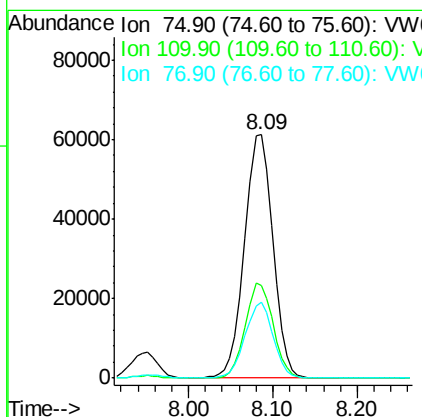
RT: 8.09 min Scan# 1014

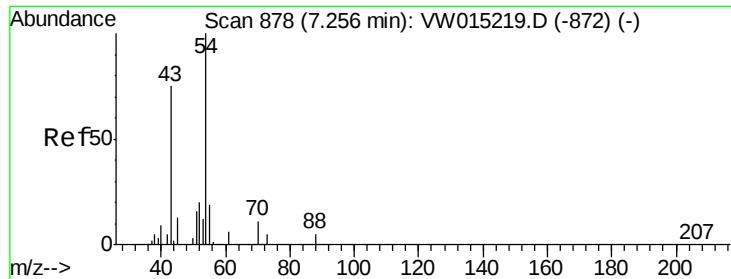
Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tgt Ion:	75	Resp:	140053
Ion Ratio	Lower	Upper	
75	100		
110	38.0	18.2	54.6
77	30.8	24.5	36.7





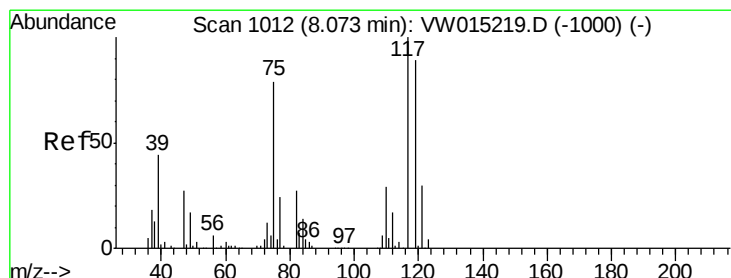
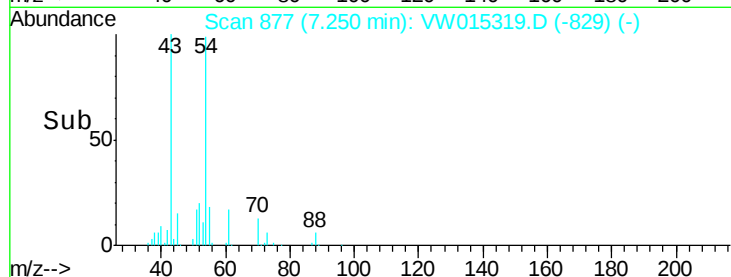
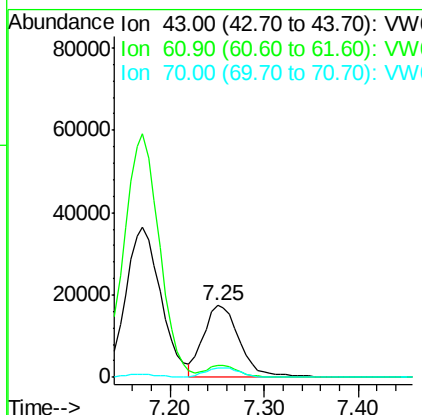
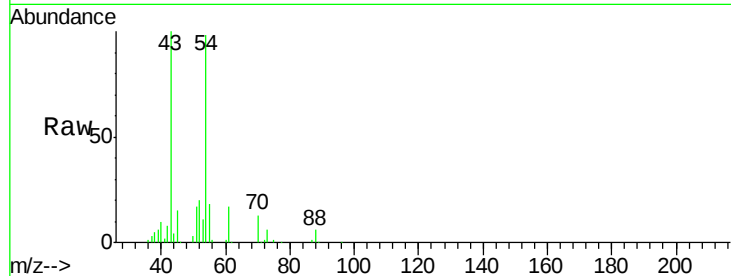
#37
Ethyl Acetate
Concen: 50.500 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.9	17.9
70	13.2	8.8	13.2

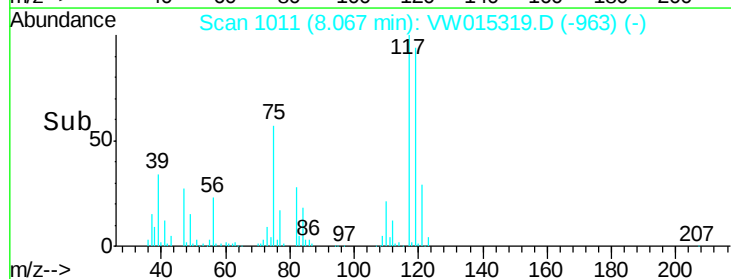
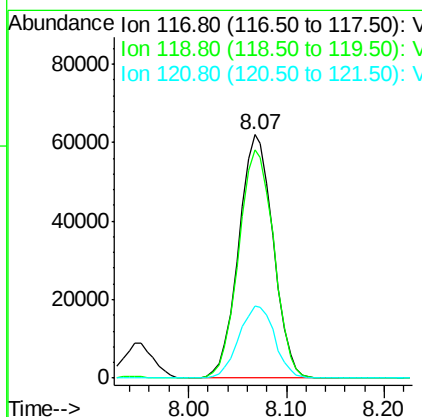
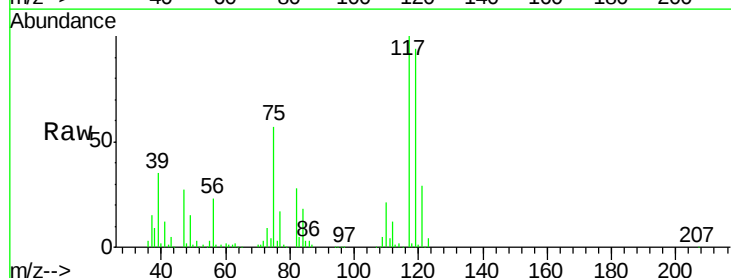
Manual Integrations
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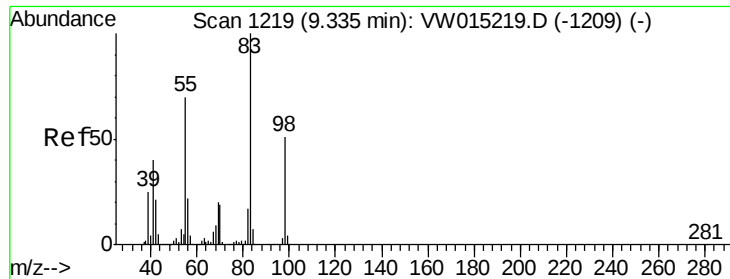
MMDadoda
4/23/2020 1:33:04 PM



#38
Carbon Tetrachloride
Concen: 49.925 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	72.3	108.5
121	29.4	23.7	35.5





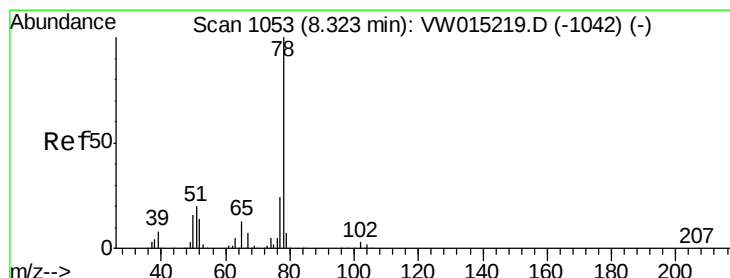
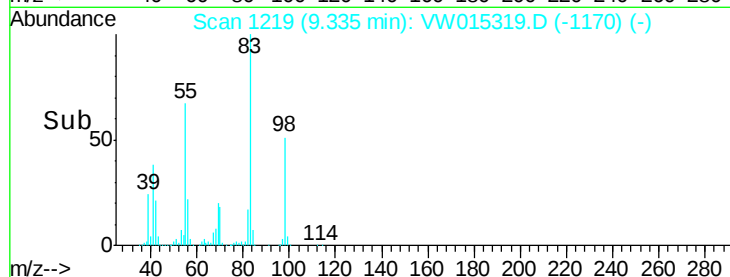
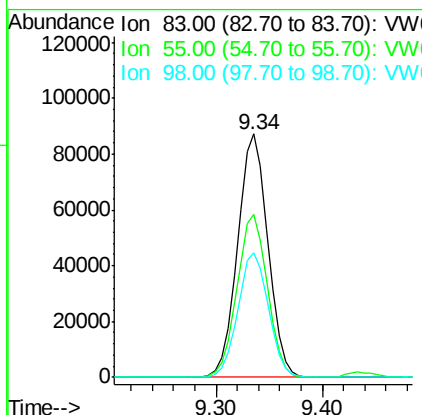
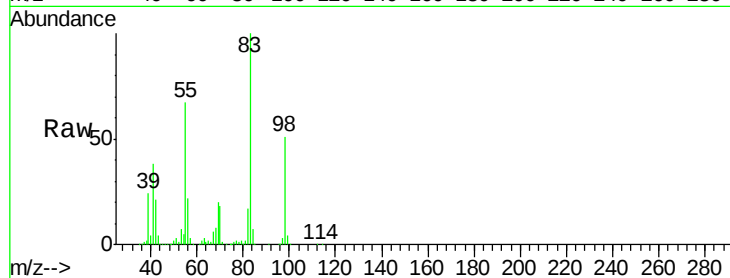
#39
Methvlcvclohexane
Concen: 47.284 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	58.1	87.1
98	51.2	40.2	60.4

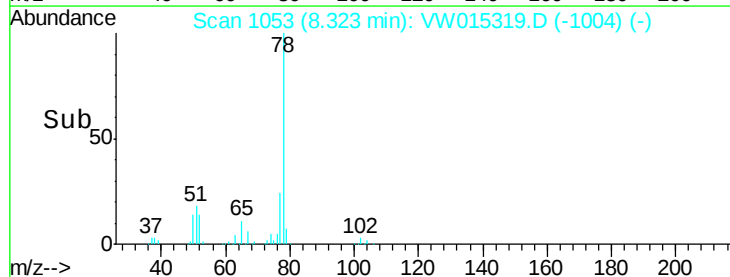
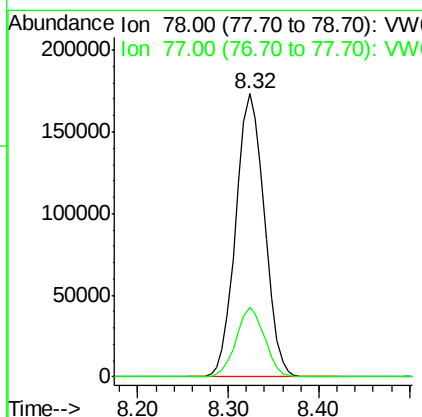
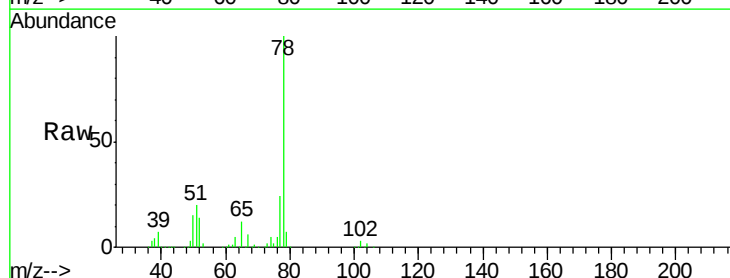
Manual Integrations
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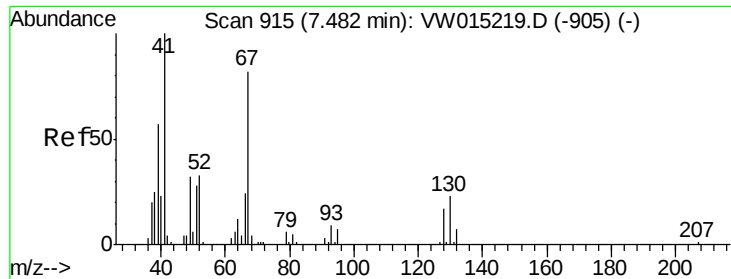
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#40
Benzene
Concen: 51.442 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.2	27.2





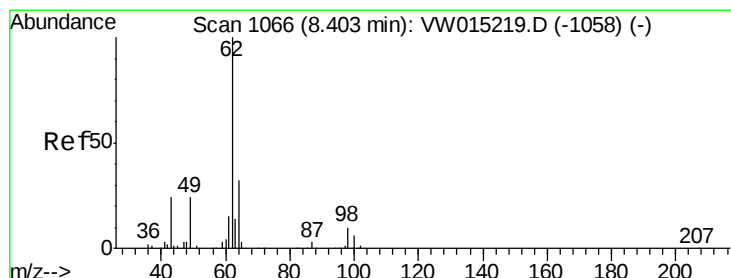
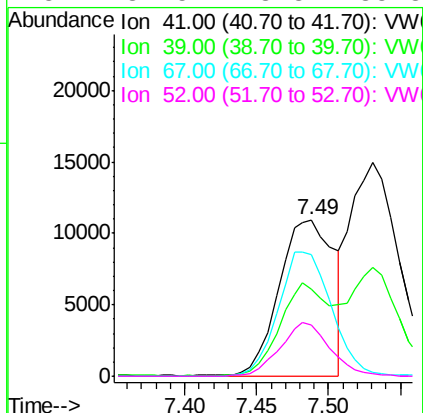
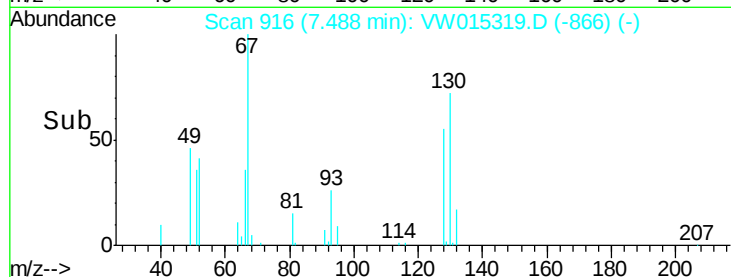
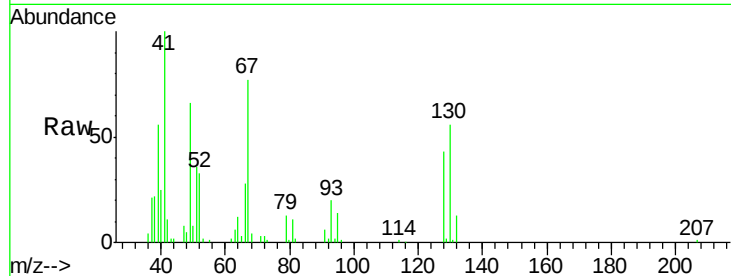
#41
Methacrylonitrile
Concen: 53.934 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29114		
39	49.9	41.9	62.9		
67	77.5	60.6	91.0		
52	31.5	23.8	35.8		

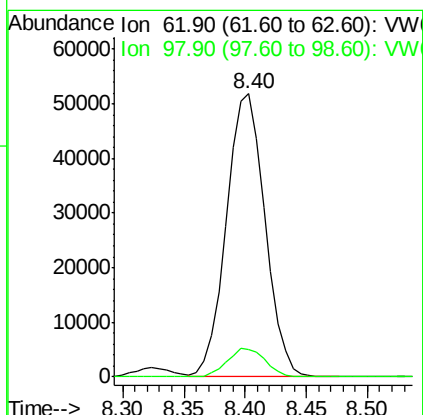
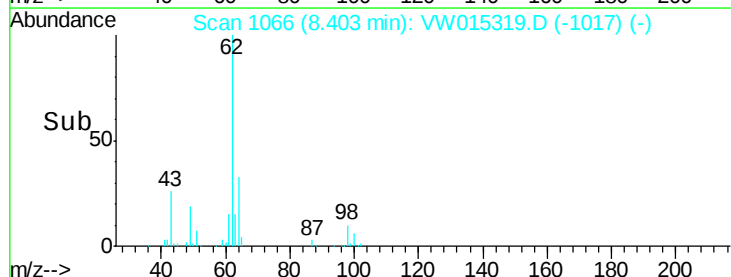
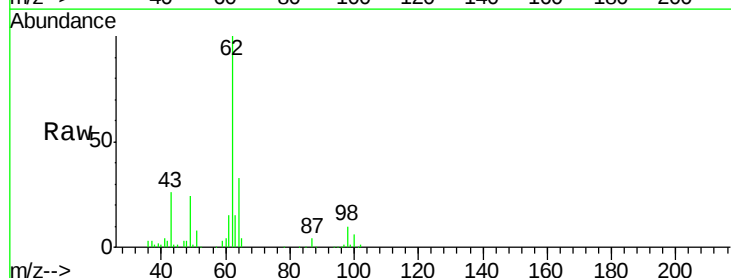
Manual Integrations
APPROVED

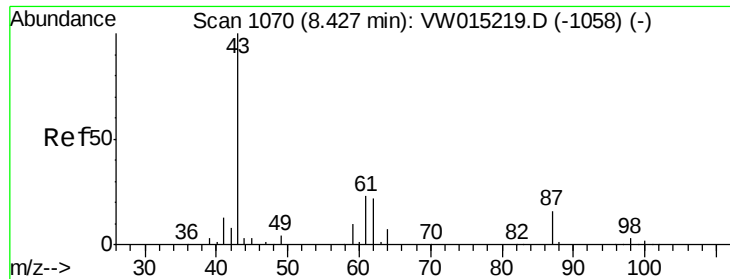
MMDadoda
4/23/2020 1:33:04 PM



#42
1,2-Dichloroethane
Concen: 52.030 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		113423		
98	9.9	0.0	20.4		





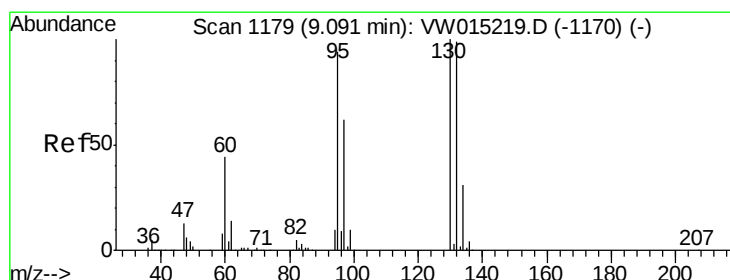
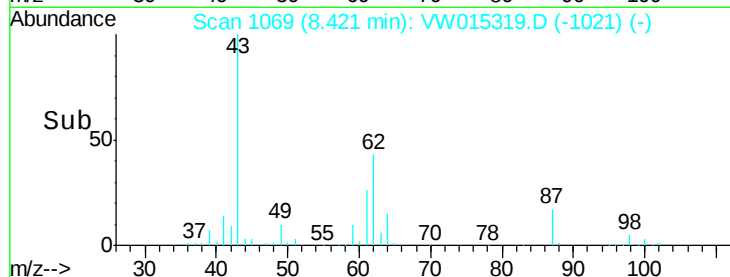
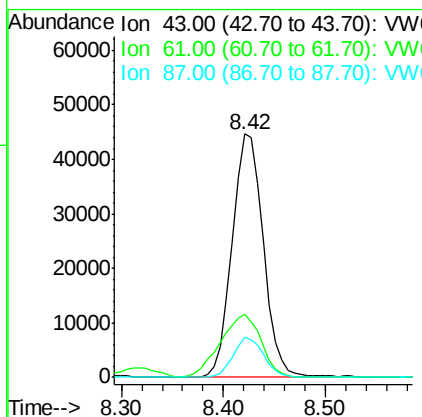
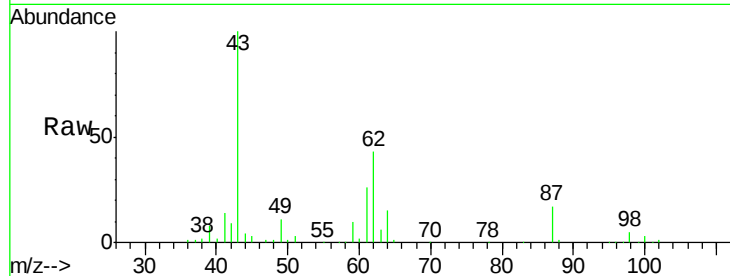
#43
Isopropyl Acetate
Concen: 49.792 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.1	24.8	37.2
87	16.2	11.4	17.2

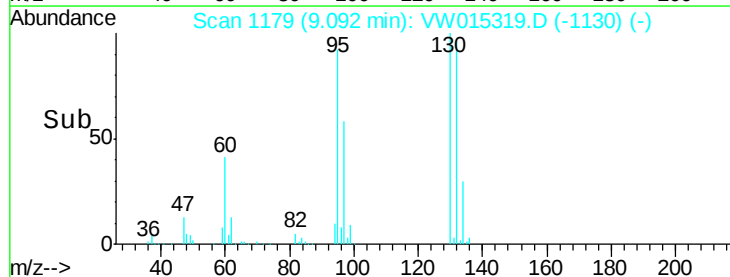
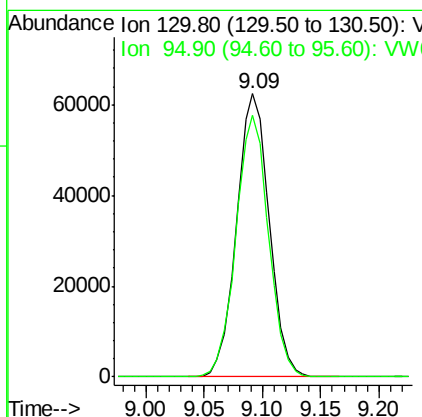
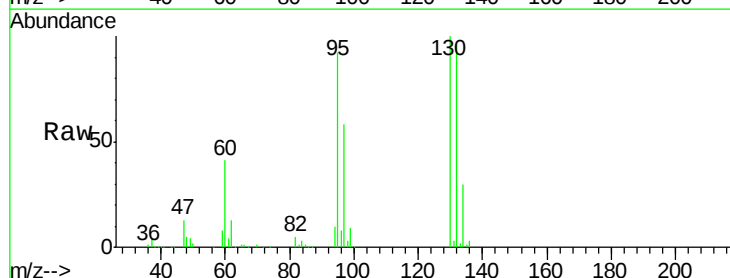
Manual Integrations
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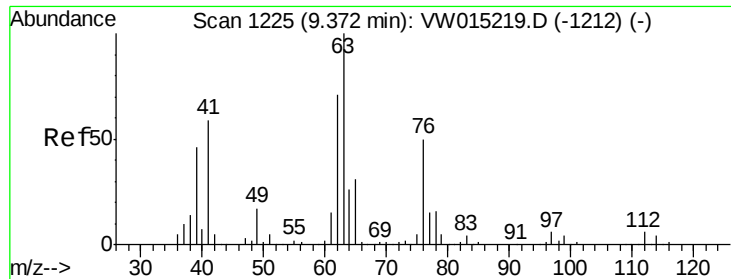
MMDadoda
4/23/2020 1:33:04 PM



#44
Trichloroethene
Concen: 53.678 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	196.4





#45

1,2-Dichloropropane

Concen: 51.477 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 88646

Ion Ratio Lower Upper

63 100

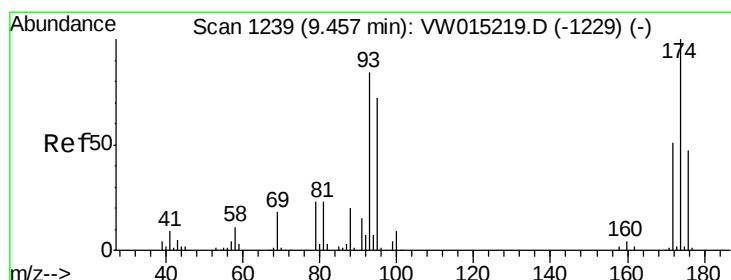
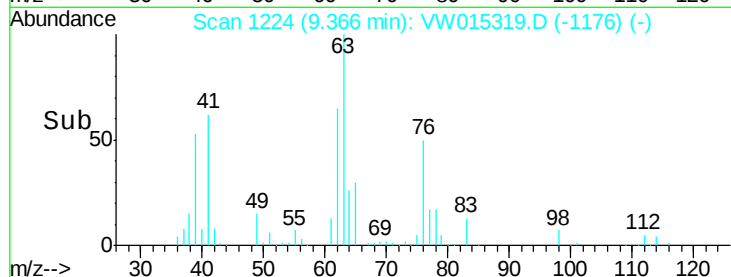
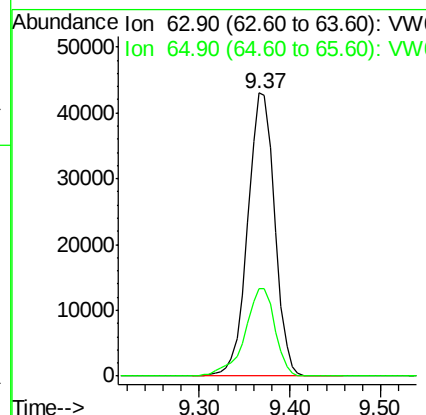
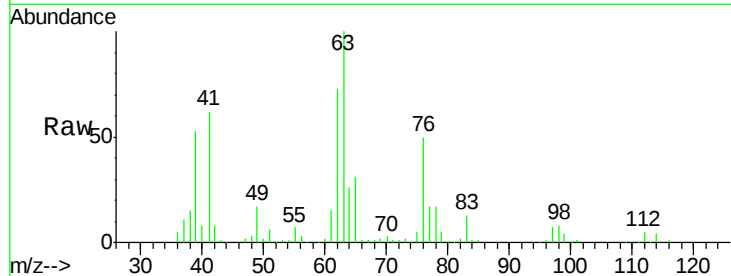
65 30.8 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 53.113 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

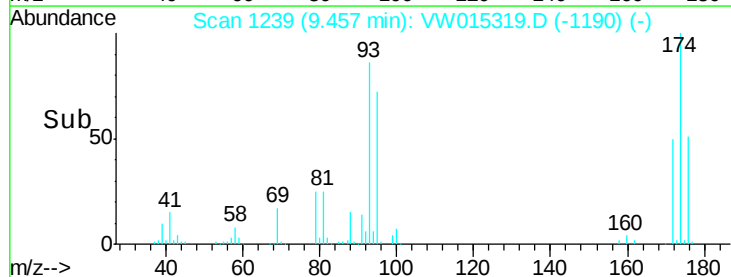
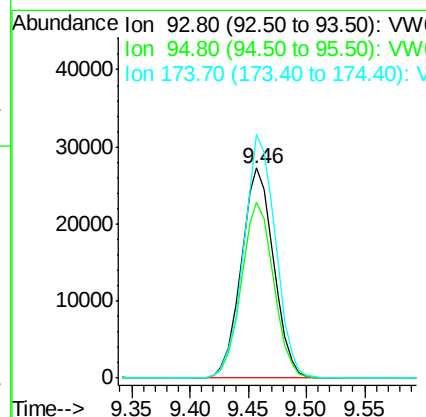
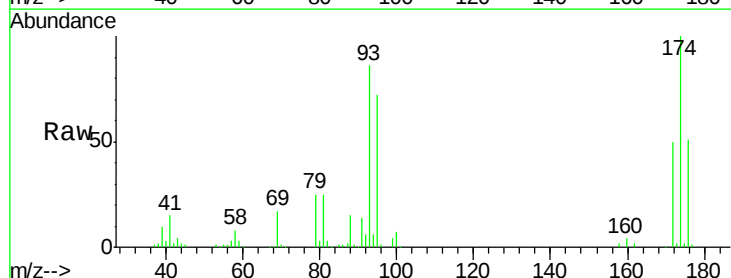
Tgt Ion: 93 Resp: 52908

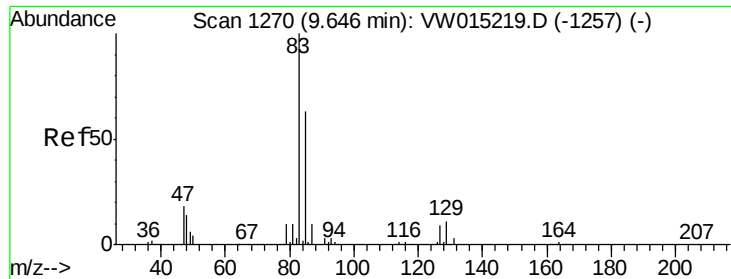
Ion Ratio Lower Upper

93 100

95 83.1 67.5 101.3

174 114.1 74.1 111.1#





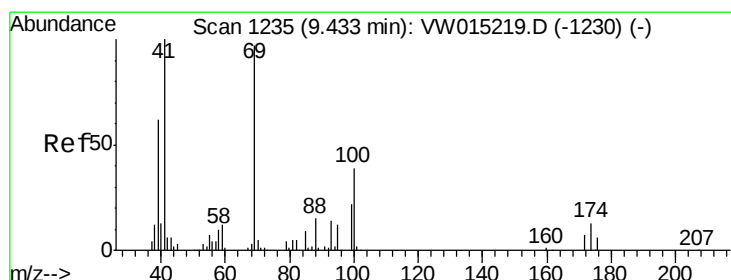
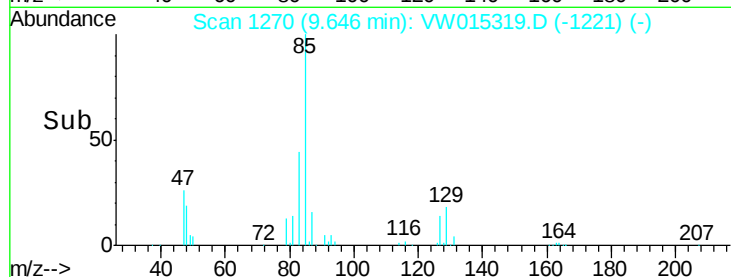
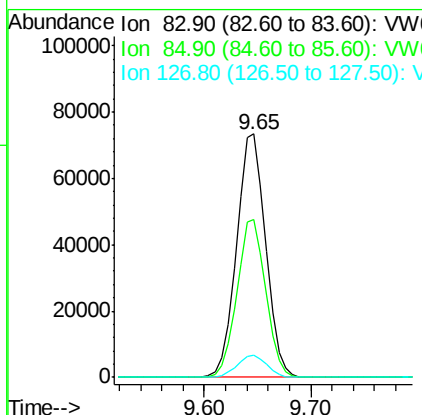
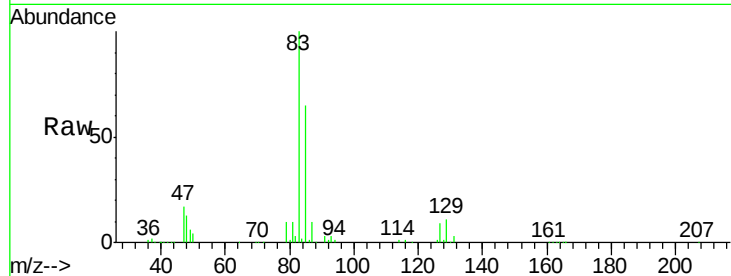
#47
 Bromodichloromethane
 Concen: 52.775 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.7	50.6	76.0	
127	9.2	6.7	10.1	

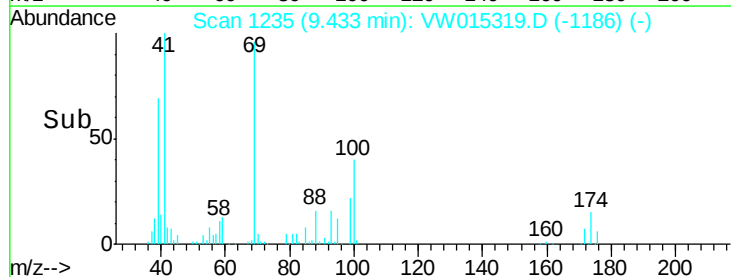
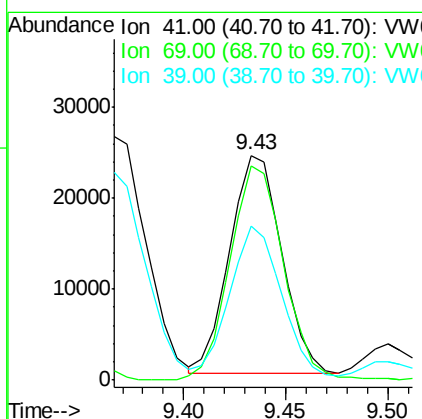
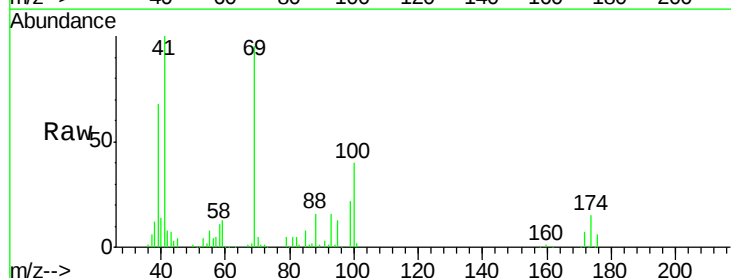
Manual Integrations
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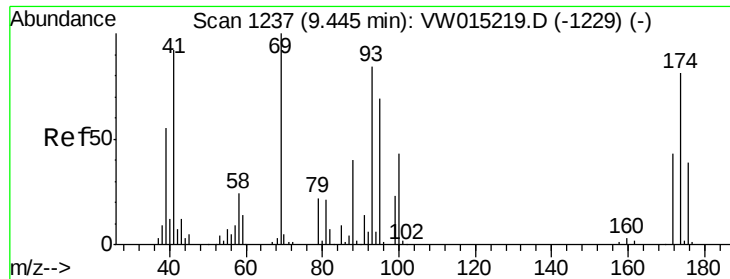
MMDadoda
 4/23/2020 1:33:04 PM



#48
 Methyl methacrylate
 Concen: 47.603 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	102.3	70.6	105.8	
39	71.6	42.6	64.0	





#49

1,4-Dioxane

Concen: 962.972 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

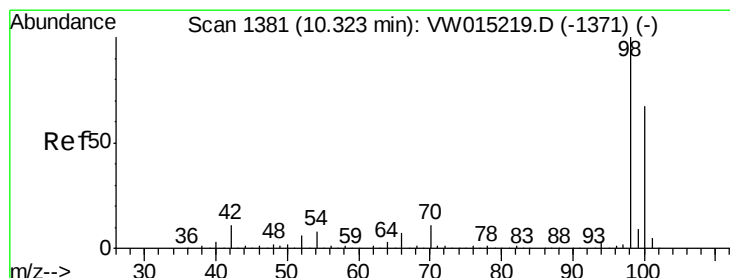
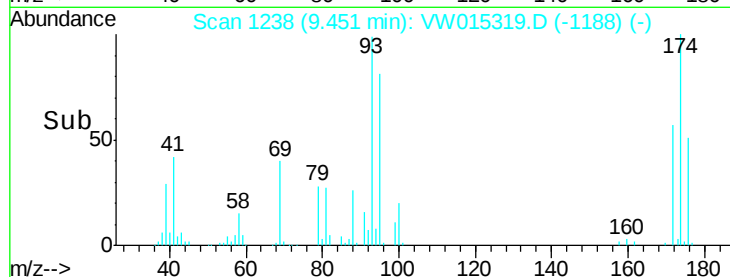
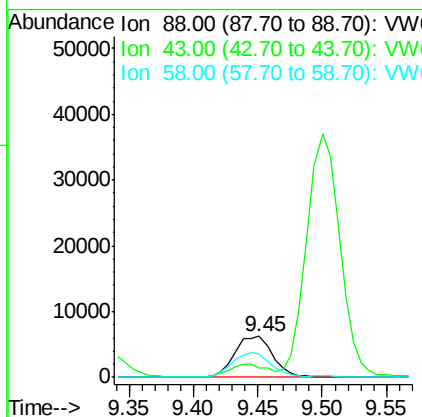
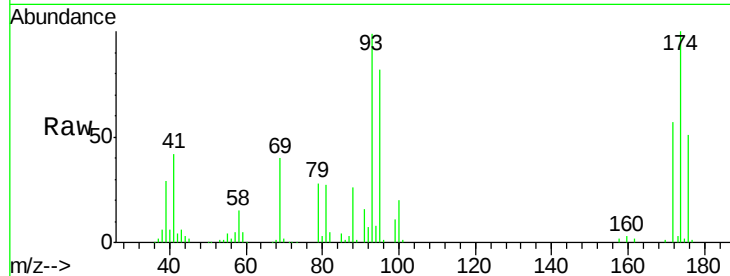
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	12788
Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.5	35.3
58	62.2	55.4	83.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.007 ug/l

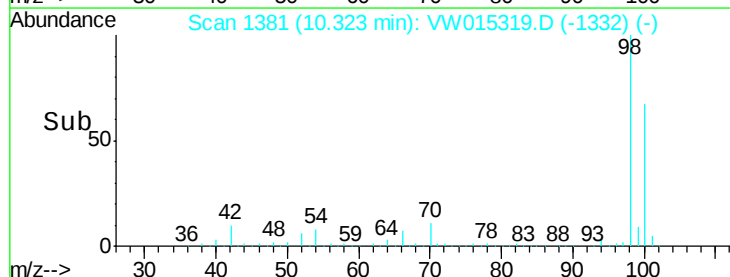
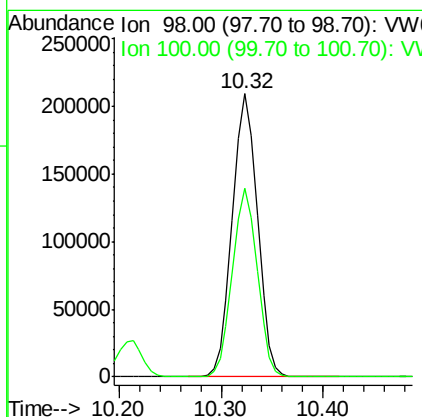
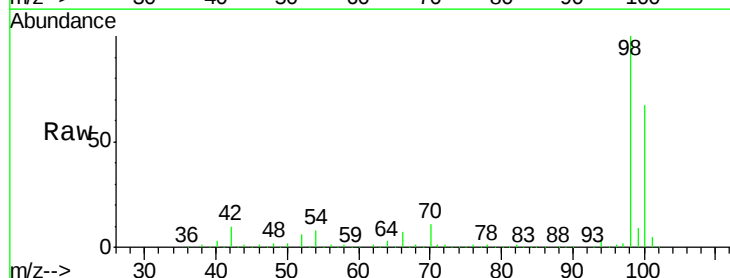
RT: 10.32 min Scan# 1381

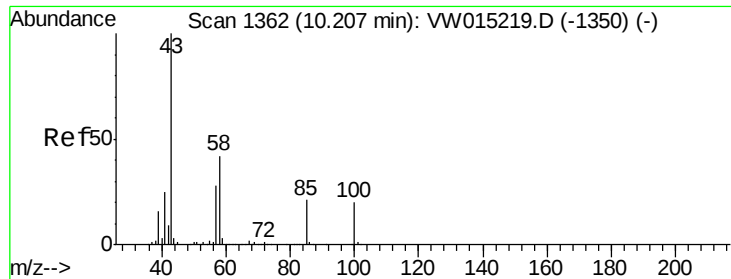
Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tgt Ion:	98	Resp:	357891
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 252.661 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 223800

Ion Ratio Lower Upper

43 100

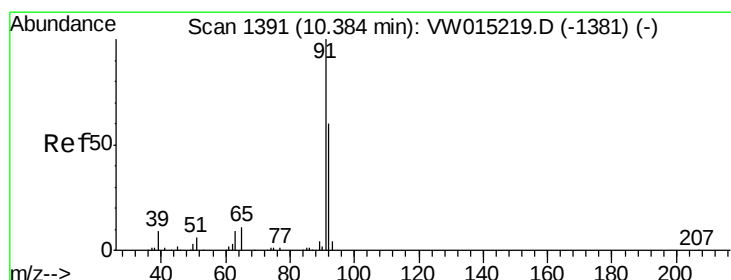
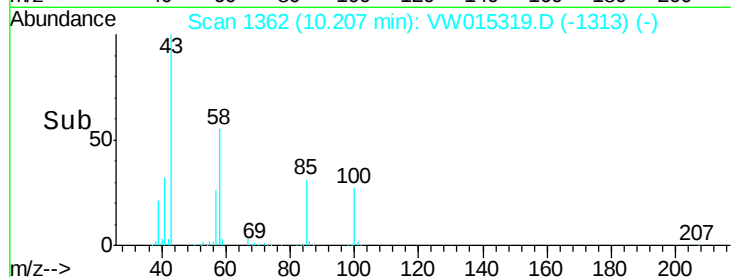
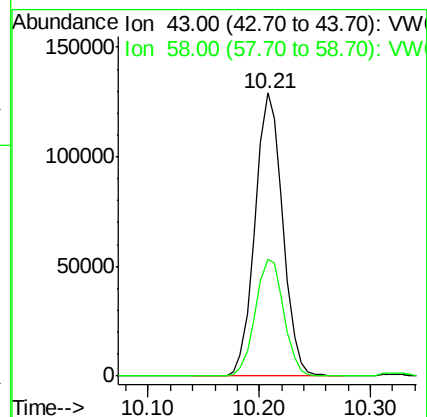
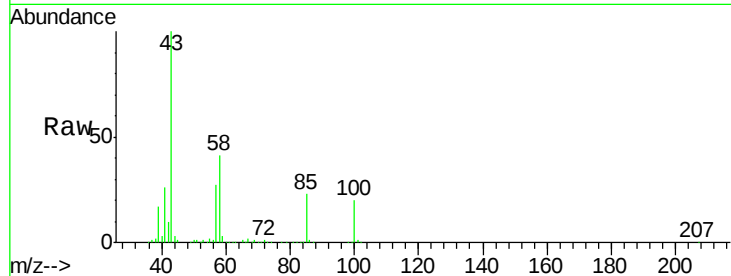
58 42.6 32.3 48.5

Manual Integrations

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#52

Toluene

Concen: 52.283 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015319.D

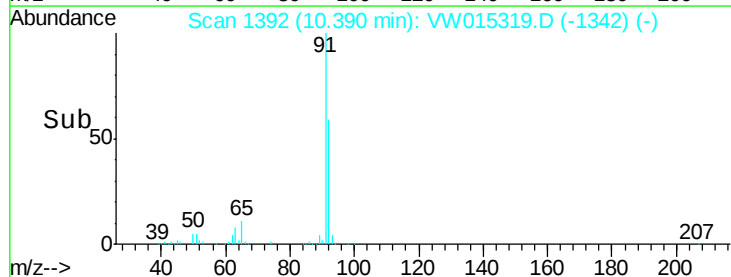
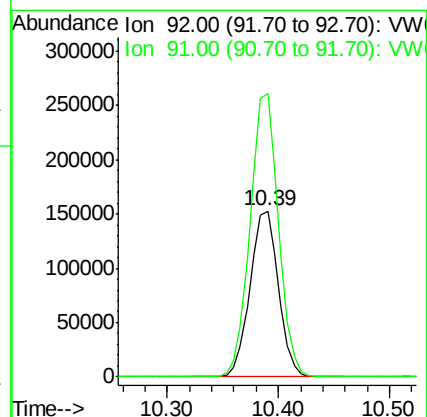
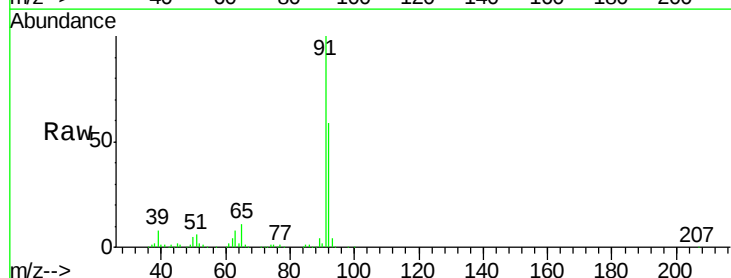
Acq: 22 Apr 2020 19:51

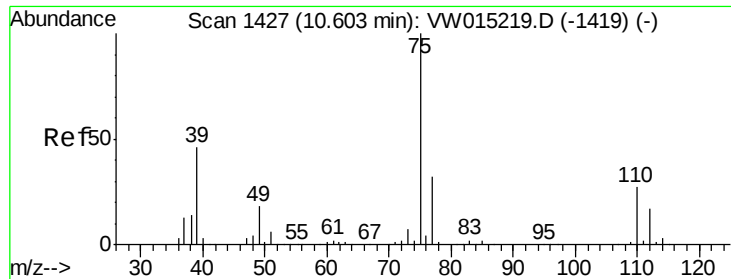
Tgt Ion: 92 Resp: 270956

Ion Ratio Lower Upper

92 100

91 170.2 137.1 205.7





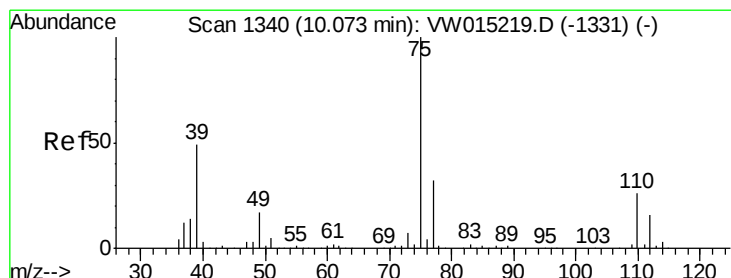
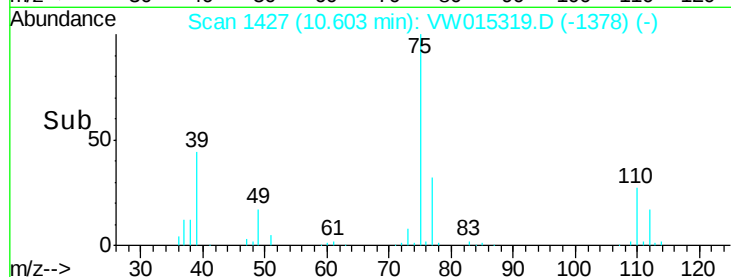
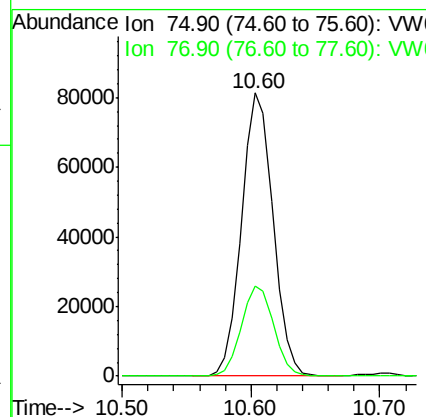
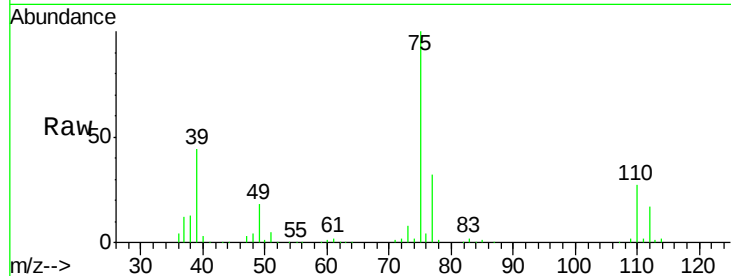
#53
 t-1,3-Dichloropropene
 Concen: 52.485 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

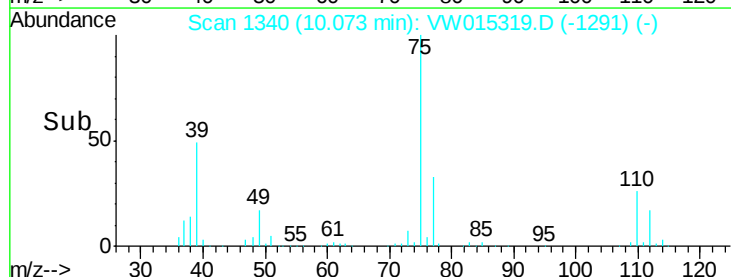
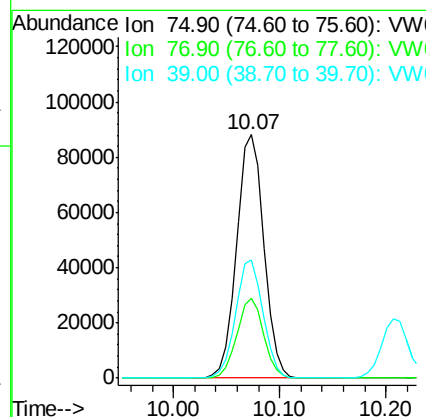
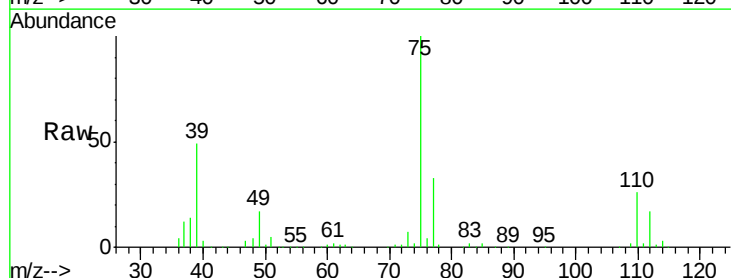
Manual Integrations
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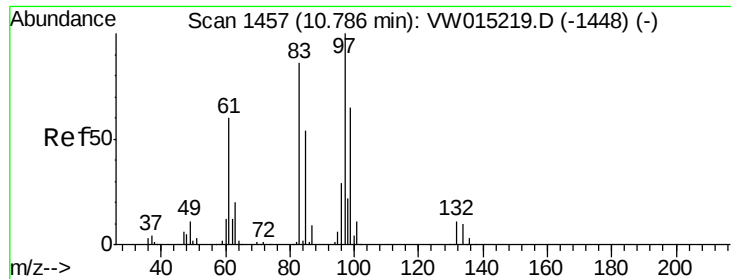
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.020 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.6	39.8
39	48.8	37.8	56.6





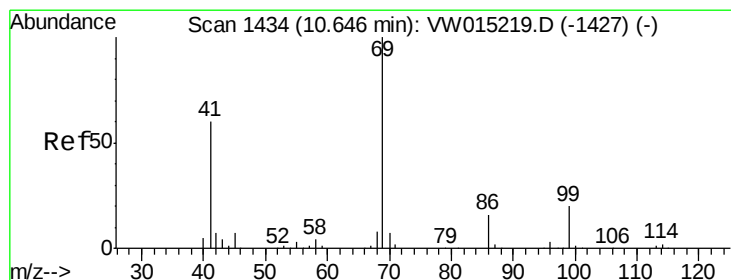
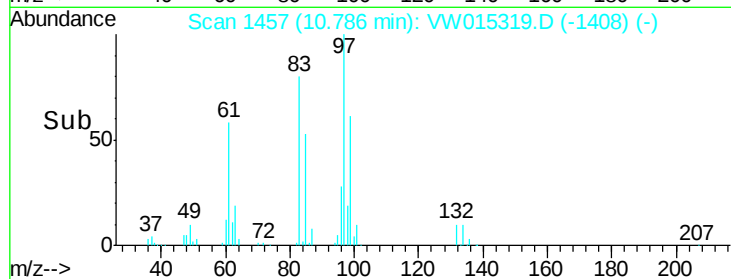
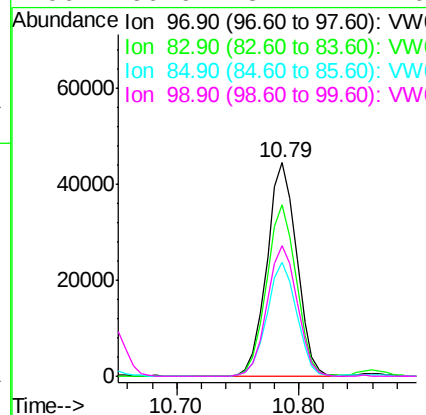
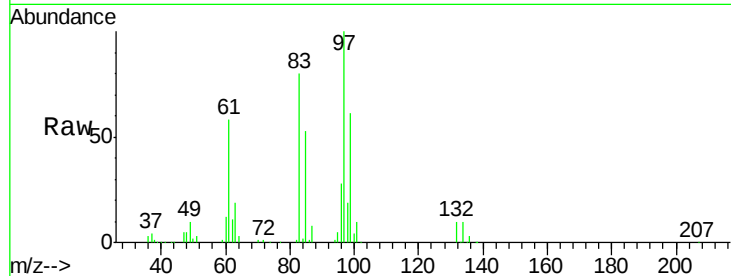
#55
 1,1,2-Trichloroethane
 Concen: 54.310 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	75755		
83	80.4	67.3	100.9	
85	53.0	43.8	65.8	
99	60.9	51.4	77.0	

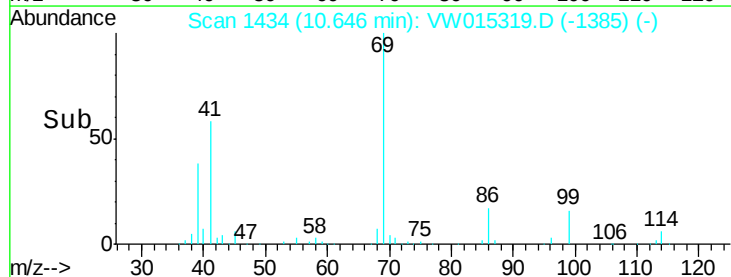
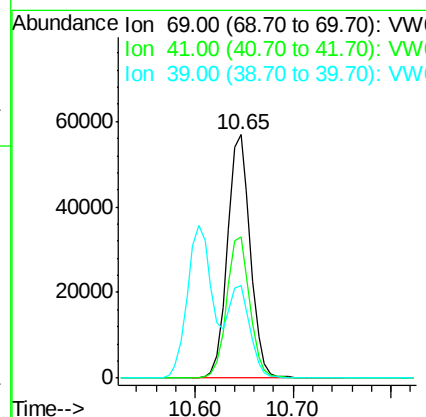
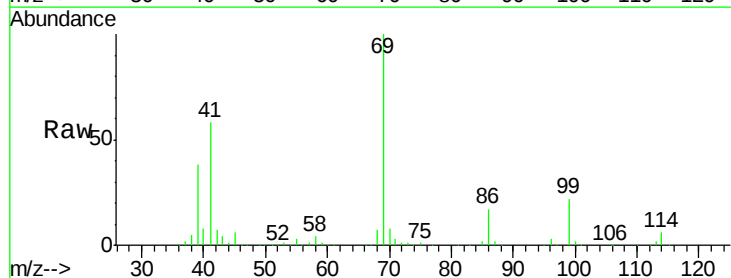
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.312 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	92204		
41	58.7	51.3	76.9	
39	35.4	24.6	37.0	





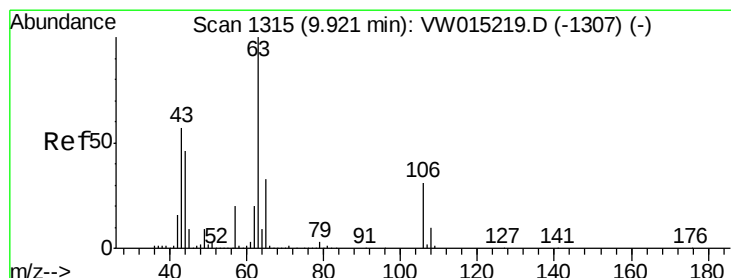
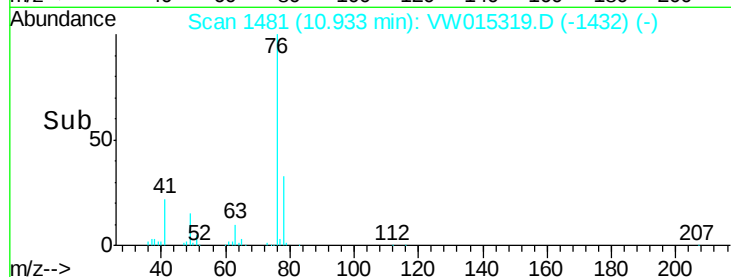
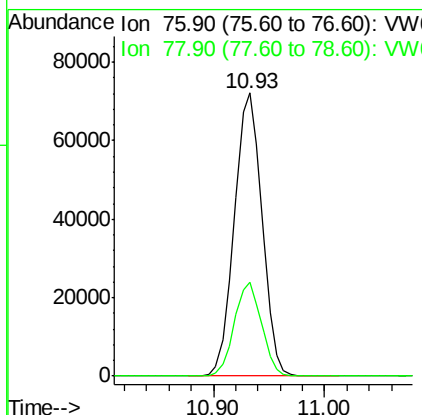
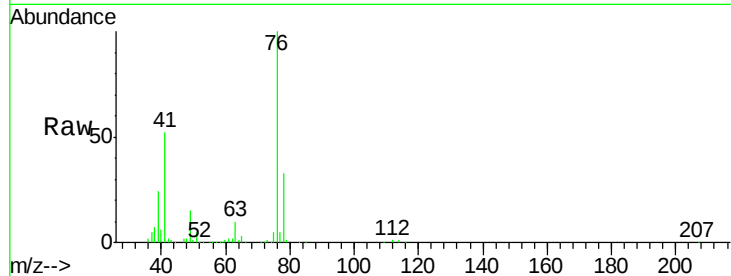
#57
 1,3-Dichloropropane
 Concen: 53.637 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

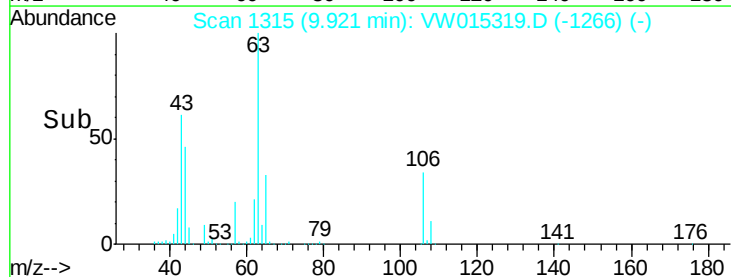
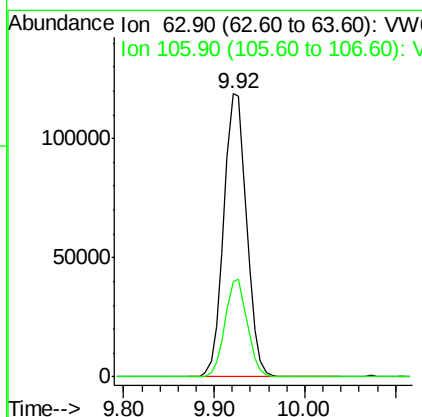
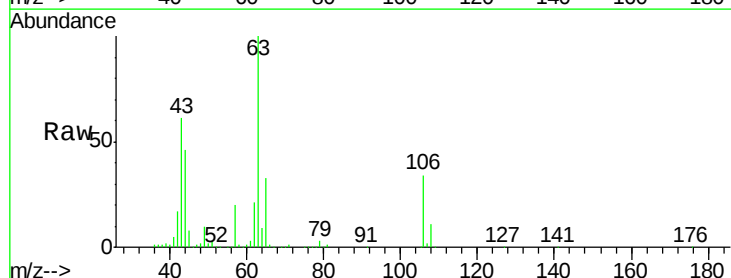
Manual Integrations
 APPROVED

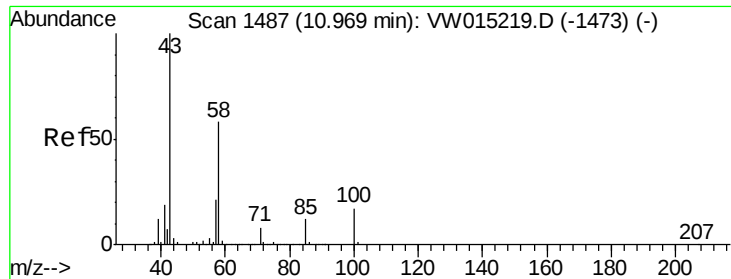
MMDadoda
 4/23/2020 1:33:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.202 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.6	22.6	33.8





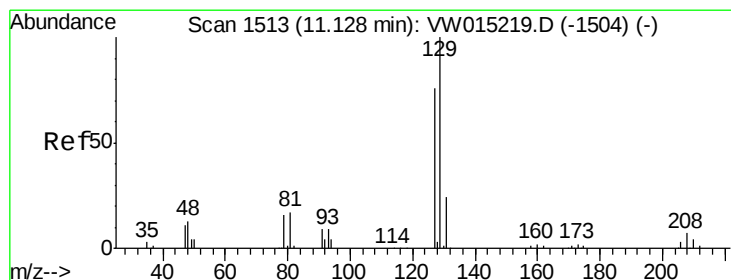
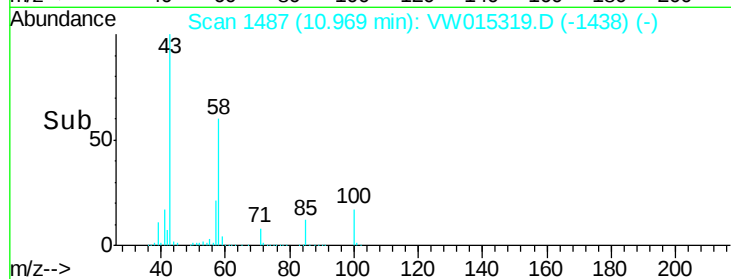
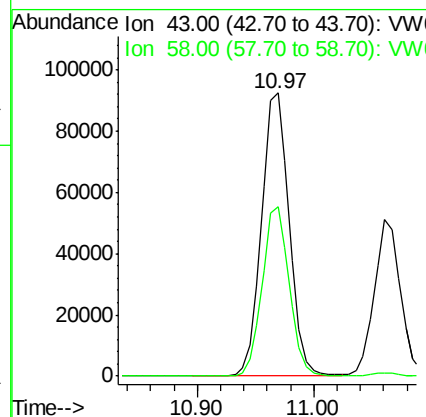
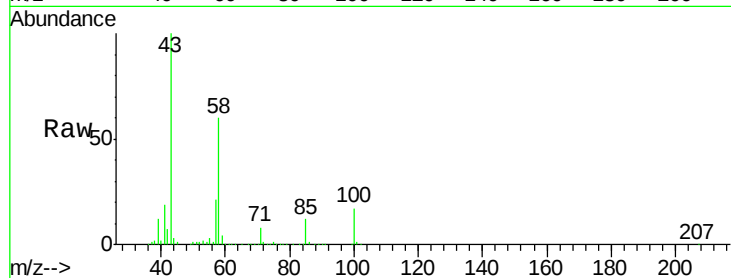
#59
2-Hexanone
Concen: 242.682 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	153447
Ion Ratio	43	100	
Lower	58	58.8	28.1
Upper			84.3

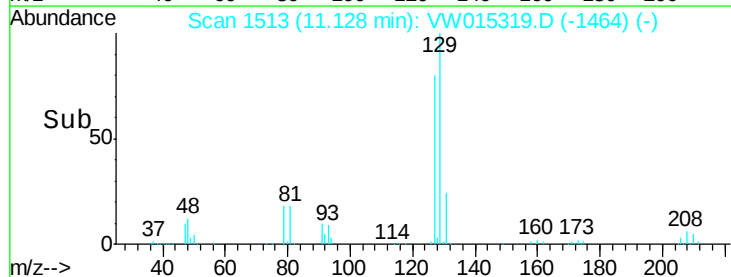
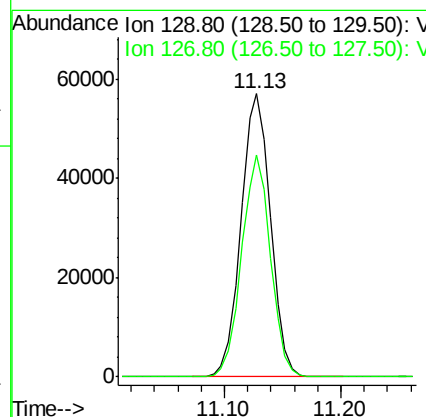
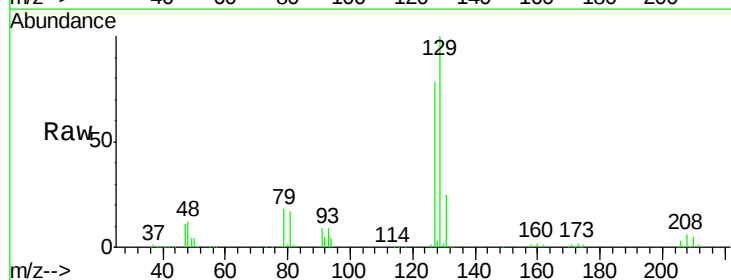
Manual Integrations
APPROVED

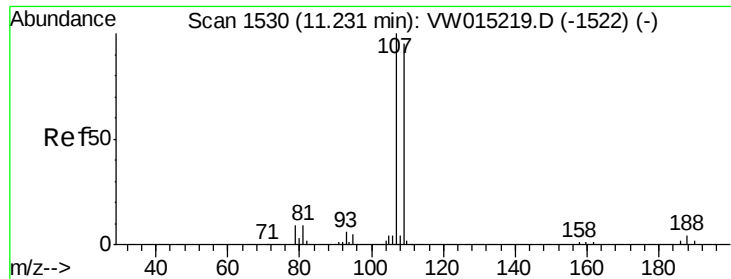
MMDadoda
4/23/2020 1:33:04 PM



#60
Dibromochloromethane
Concen: 54.591 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	129	Resp	100541
Ion Ratio	129	100	
Lower	127	76.7	38.3
Upper			114.8





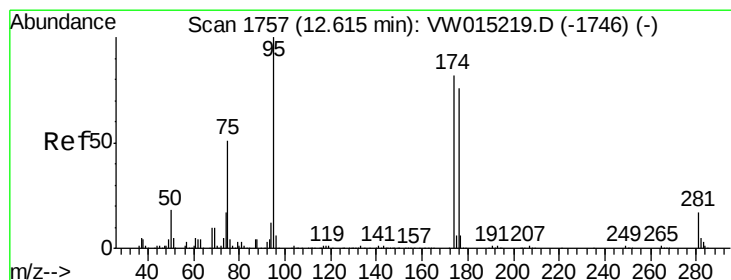
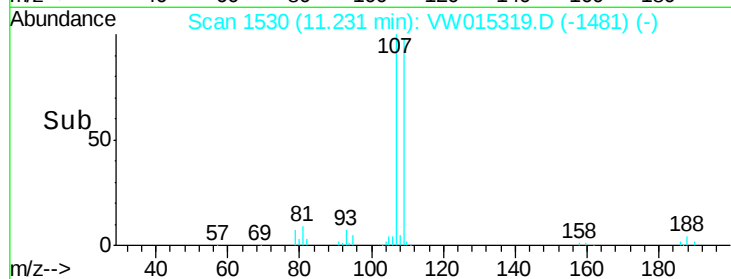
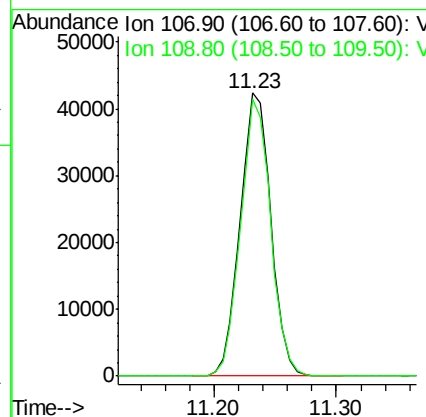
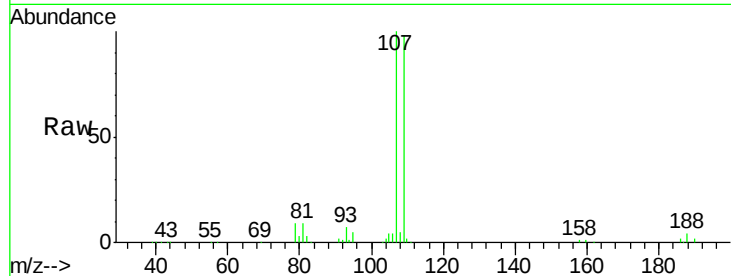
#61
 1,2-Dibromoethane
 Concen: 54.070 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.3	111.5

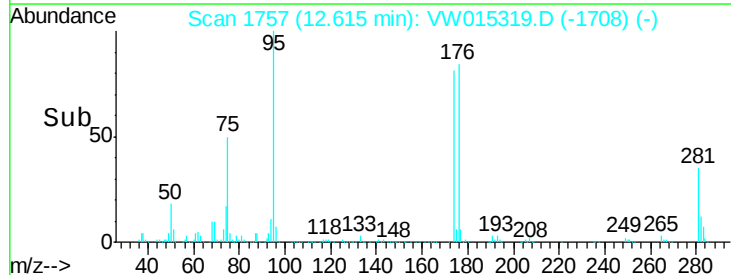
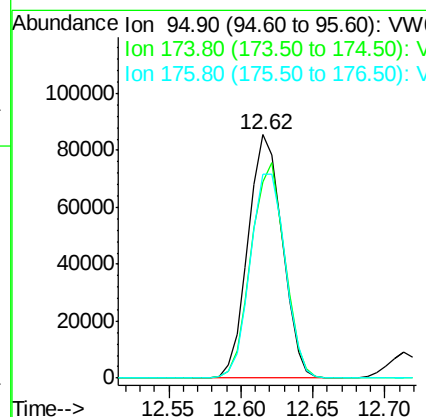
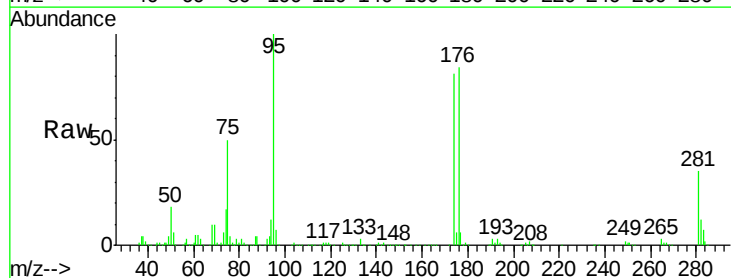
Manual Integrations
 APPROVED

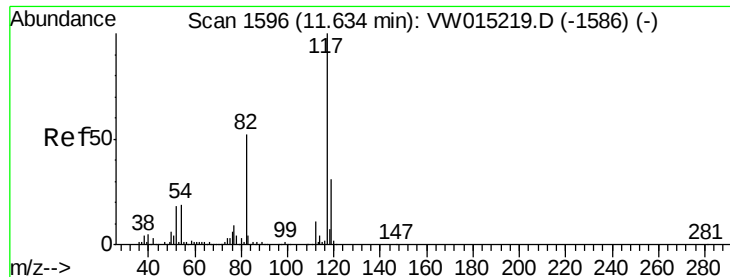
MMDadoda
 4/23/2020 1:33:04 PM



#62
 4-Bromofluorobenzene
 Concen: 51.421 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	144.4
176	86.0	0.0	140.6





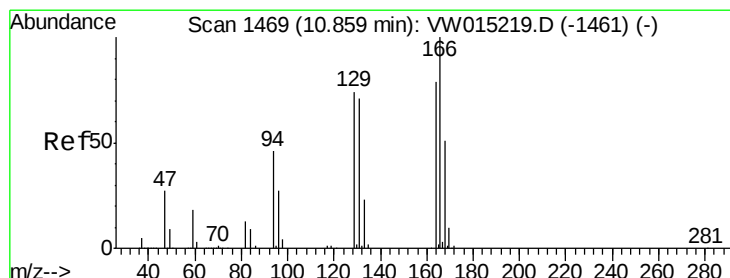
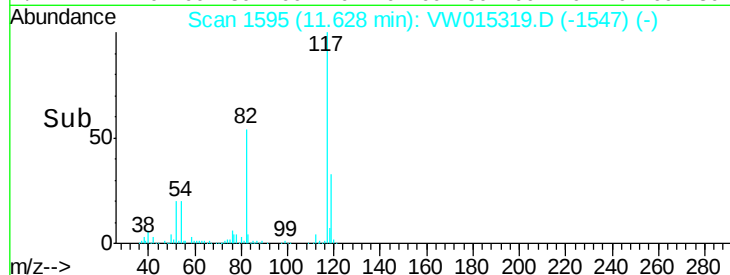
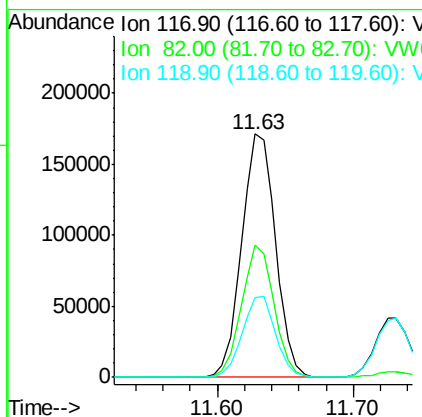
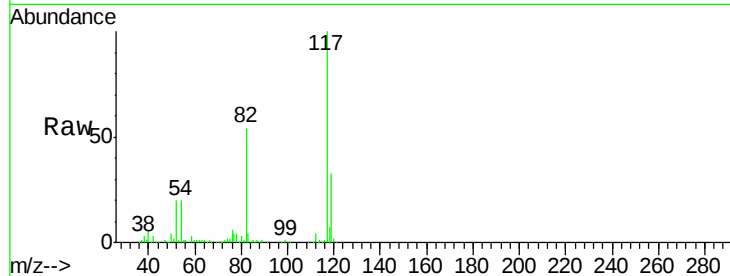
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.1	66.1
119	33.0	24.9	37.3

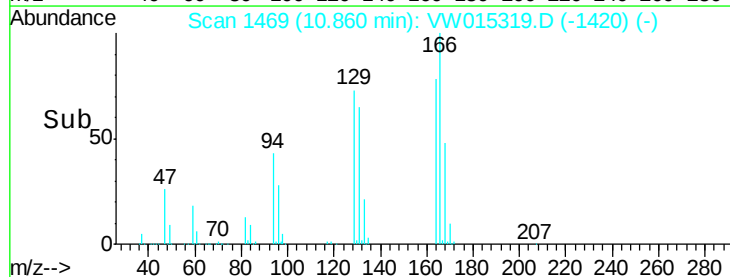
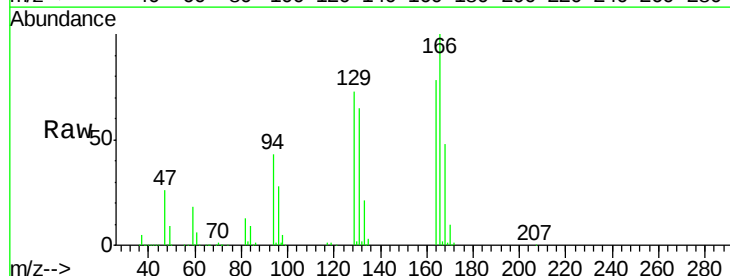
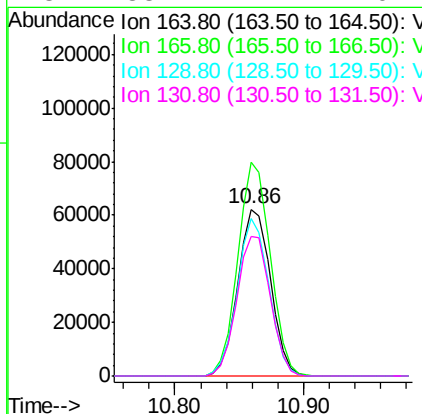
Manual Integrations
APPROVED

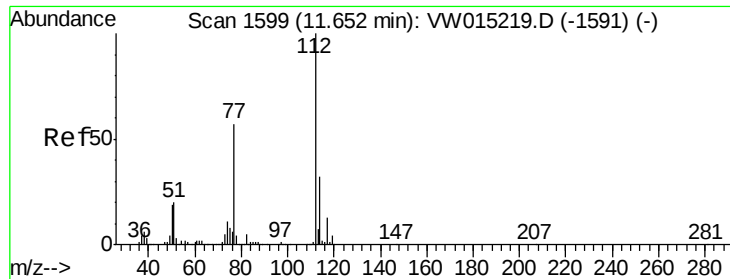
MMDadoda
4/23/2020 1:33:04 PM



#64
Tetrachloroethene
Concen: 51.377 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.6	154.0
129	94.2	80.2	120.2
131	83.7	77.4	116.2





#65

Chlorobenzene

Concen: 51.653 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 302139

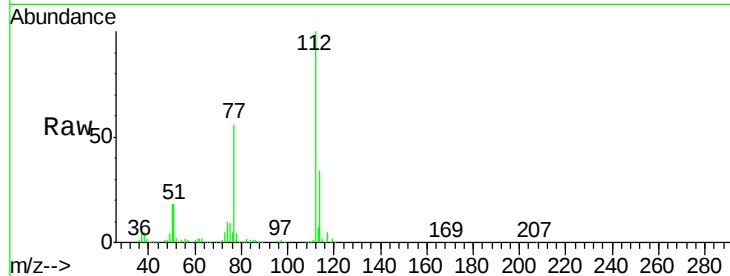
Ion Ratio Lower Upper

112 100

114 34.0 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/23/2020 1:33:04 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

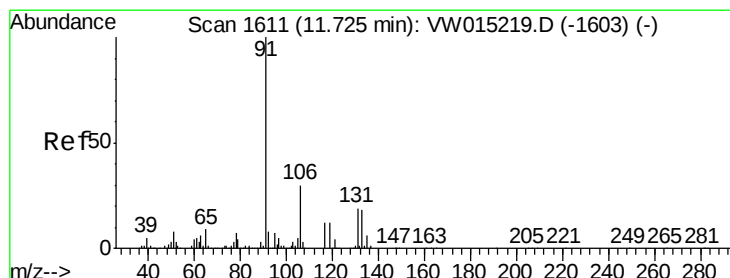
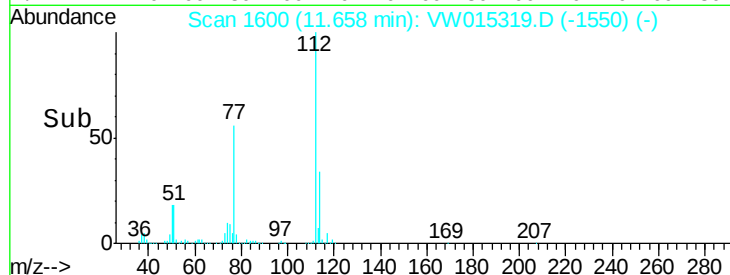
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.125 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

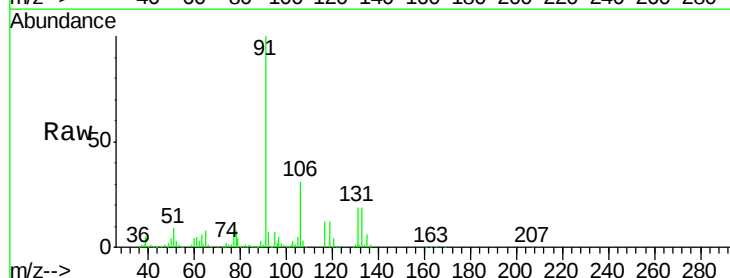
Tgt Ion:131 Resp: 111688

Ion Ratio Lower Upper

131 100

133 96.9 47.7 143.1

119 64.8 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

80000

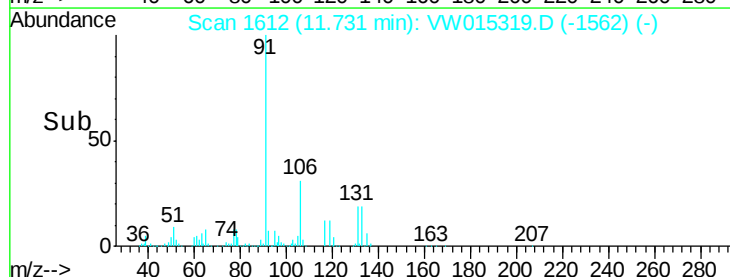
60000

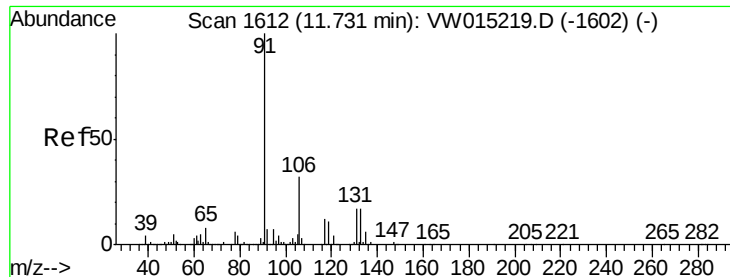
40000

20000

0

Time-->





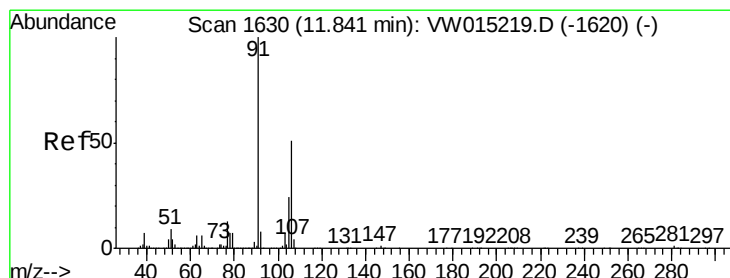
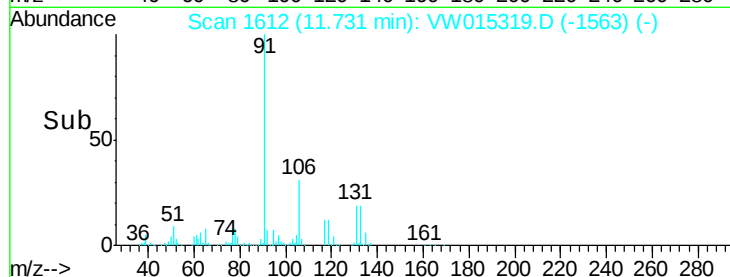
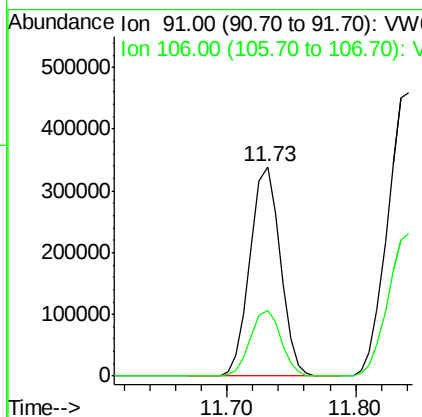
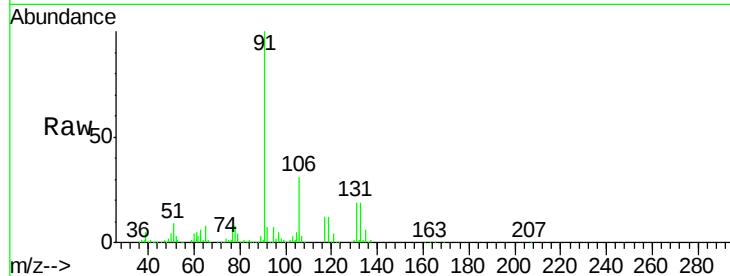
#67
Ethyl Benzene
Concen: 50.496 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.7	38.5

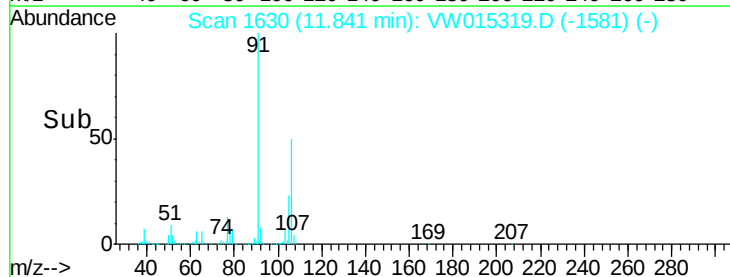
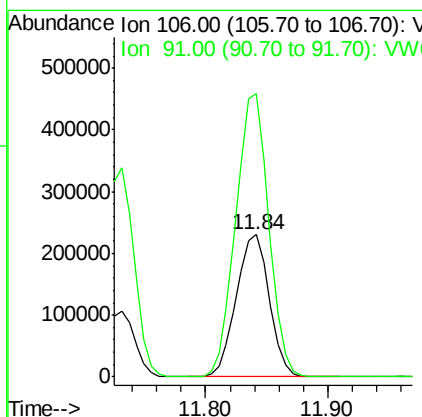
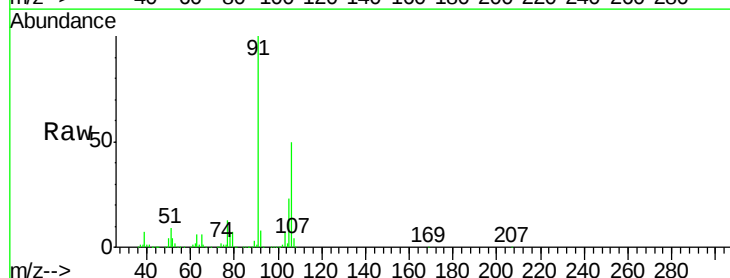
Manual Integrations
APPROVED

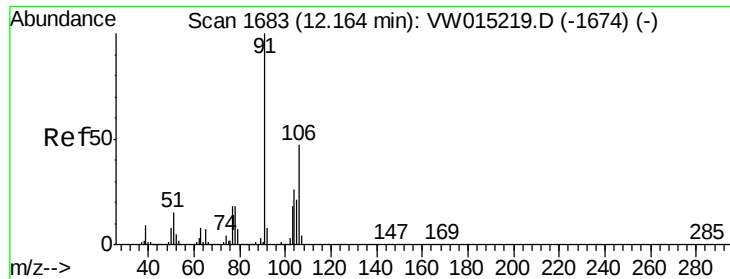
MMDadoda
4/23/2020 1:33:04 PM



#68
m/p-Xylenes
Concen: 100.822 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.8	160.0	240.0





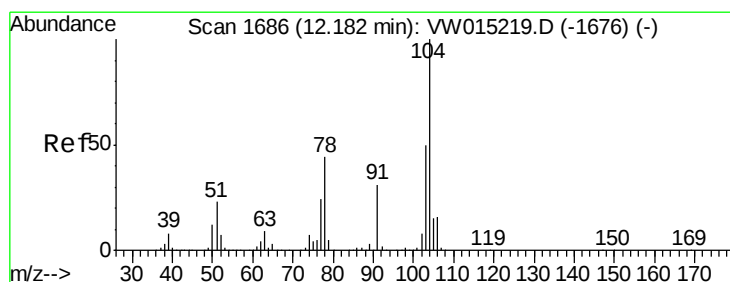
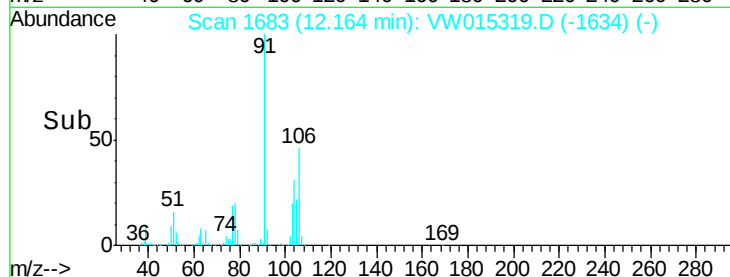
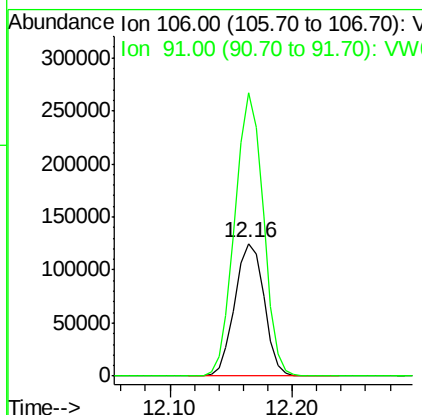
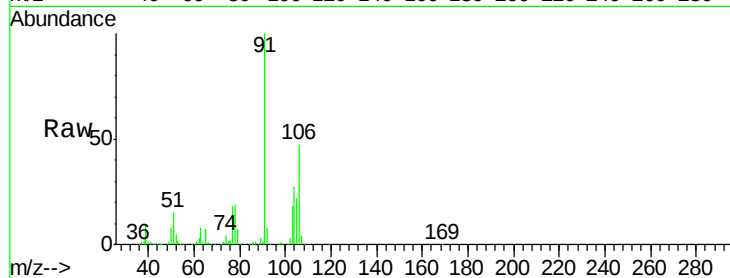
#69
o-Xylene
Concen: 52.036 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		207678		
91	207.6	105.7	317.1		

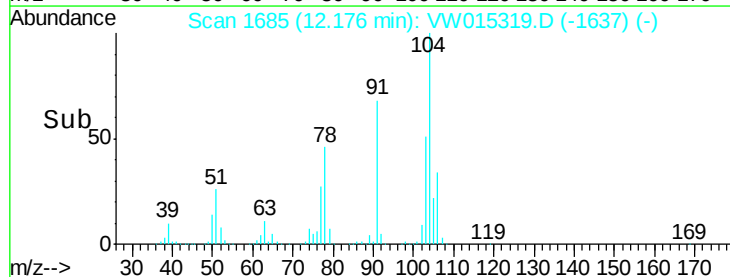
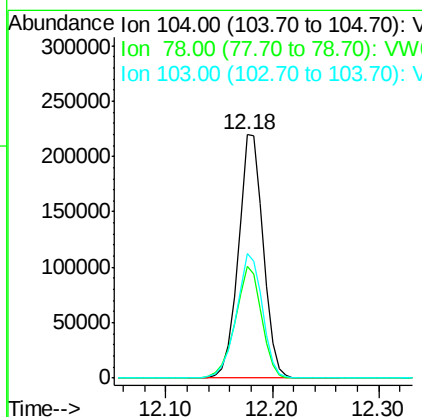
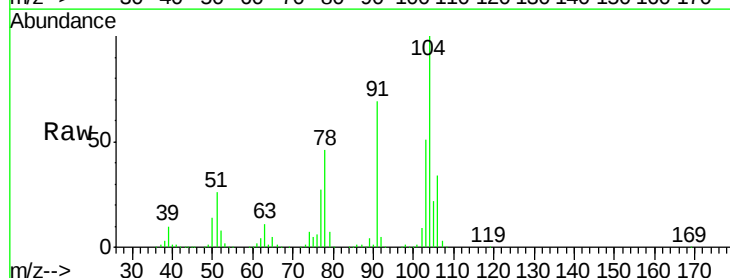
Manual Integrations
APPROVED

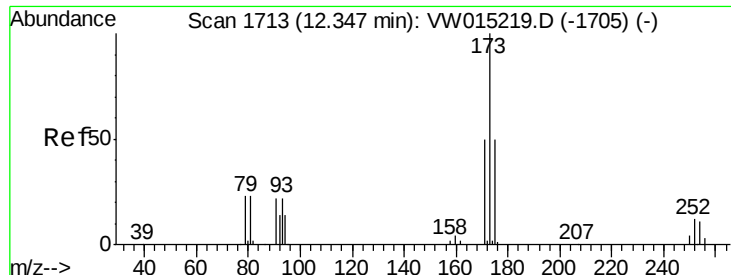
MMDadoda
4/23/2020 1:33:04 PM



#70
Styrene
Concen: 52.645 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		358145		
78	48.6	39.8	59.6		
103	53.8	43.8	65.6		





#71

Bromoform

Concen: 53.603 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 63498

Ion Ratio Lower Upper

173 100

175 48.4 25.1 75.4

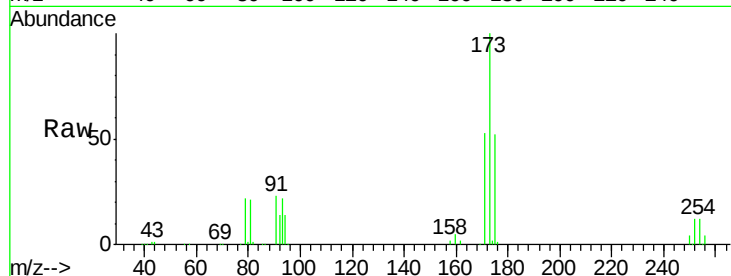
254 0.0 0.1 0.1#

Manual Integrations

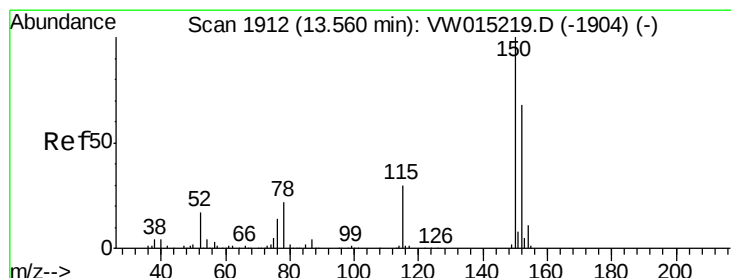
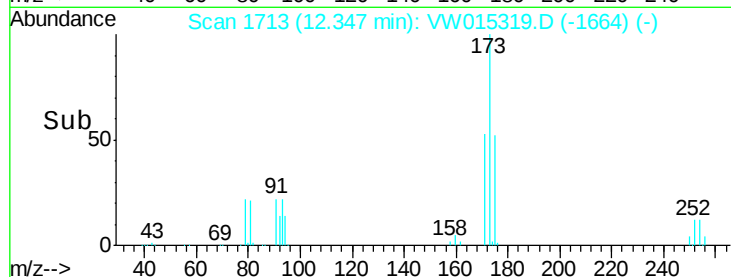
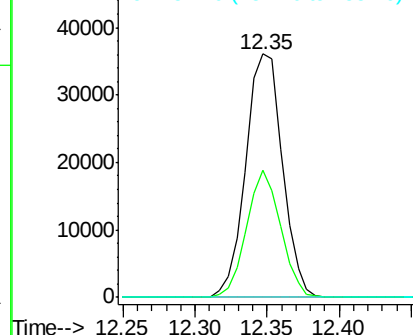
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

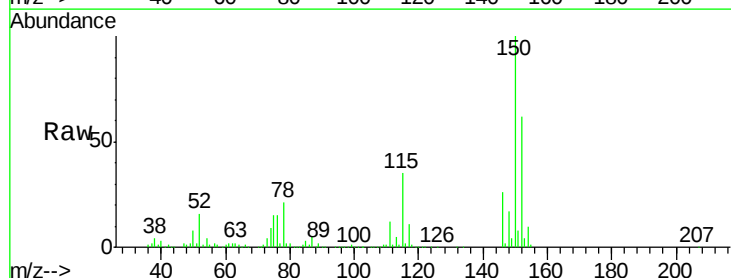
Tgt Ion:152 Resp: 168685

Ion Ratio Lower Upper

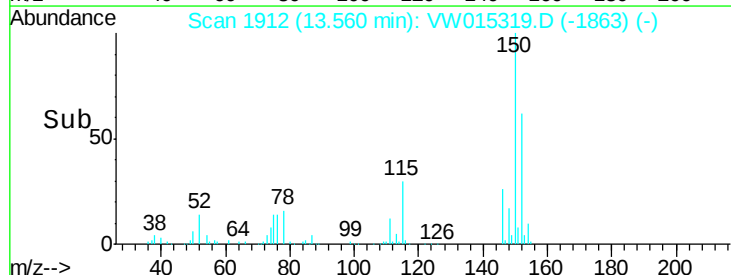
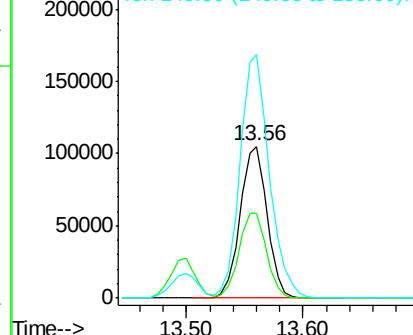
152 100

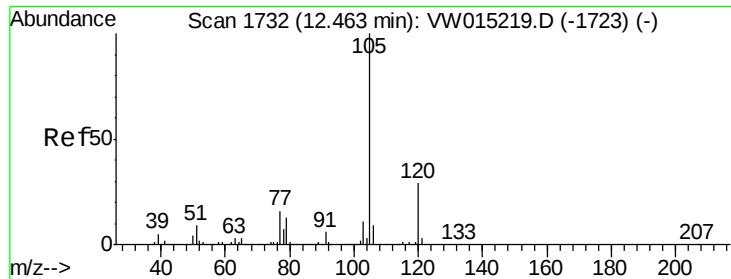
115 57.5 31.3 93.9

150 174.7 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





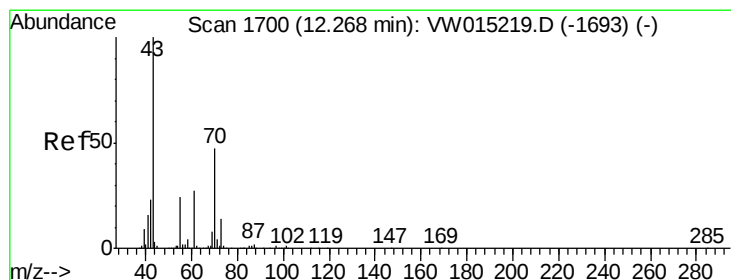
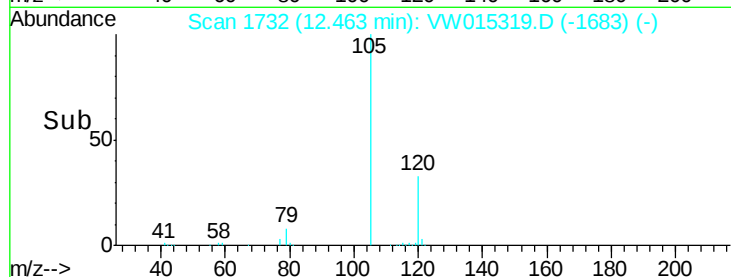
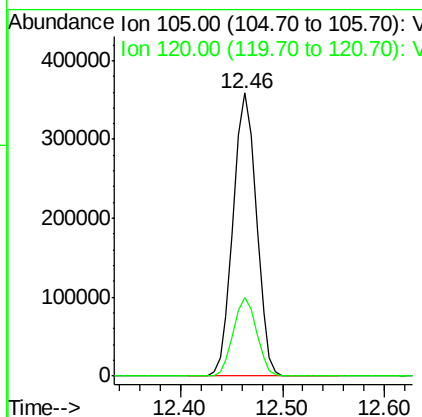
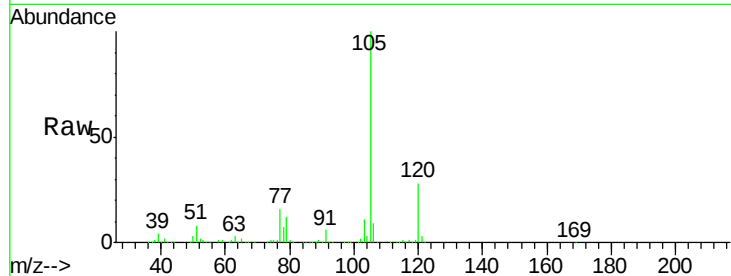
#73
Isopropylbenzene
Concen: 48.477 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.7	41.1

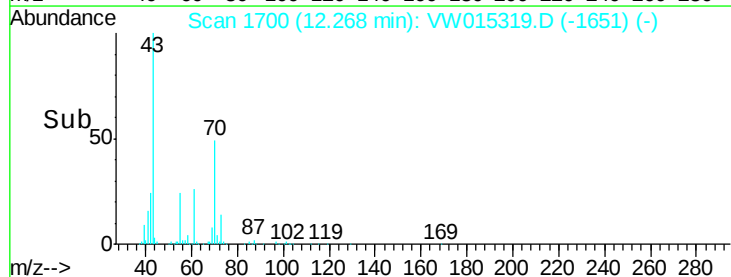
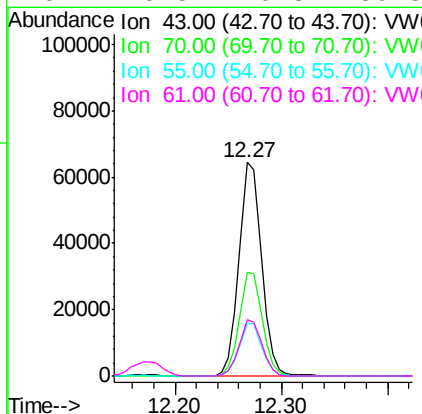
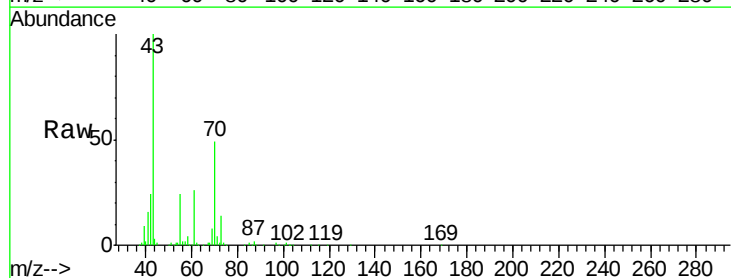
Manual Integrations
APPROVED

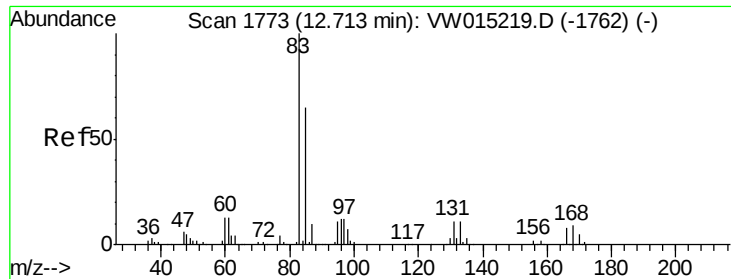
MMDadoda
4/23/2020 1:33:04 PM



#74
N-ethyl acetate
Concen: 47.414 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.3	35.4	53.2
55	25.3	18.5	27.7
61	26.5	20.3	30.5





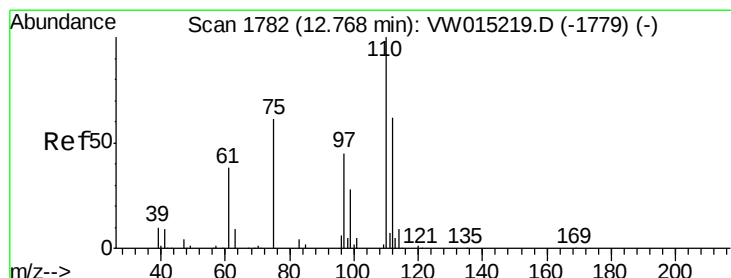
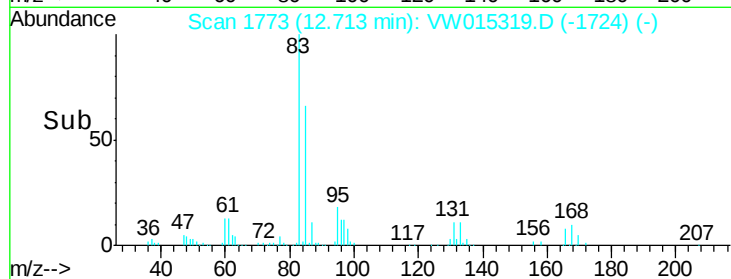
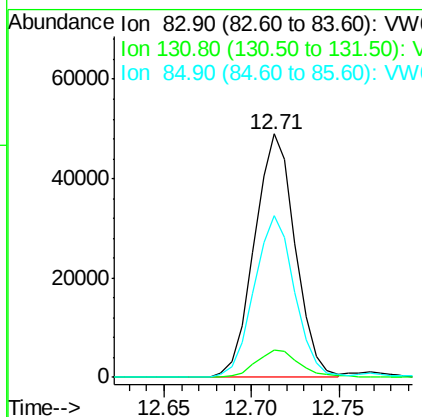
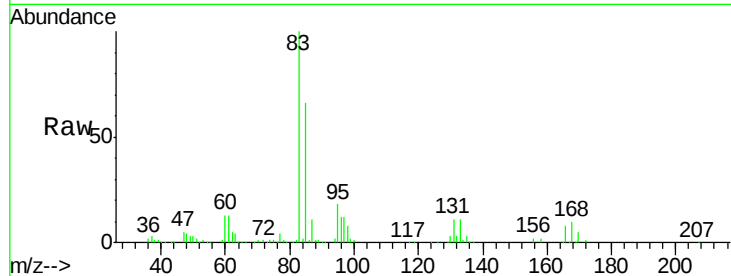
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.079 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.1	15.2
85	65.8	32.3	96.8

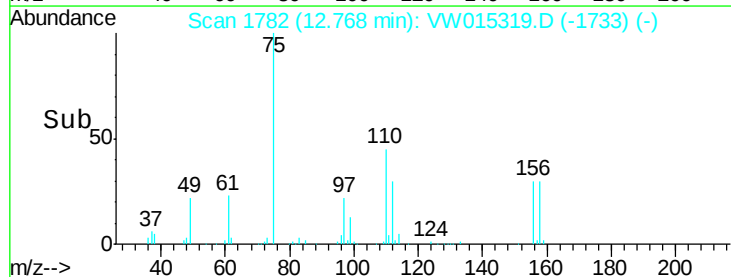
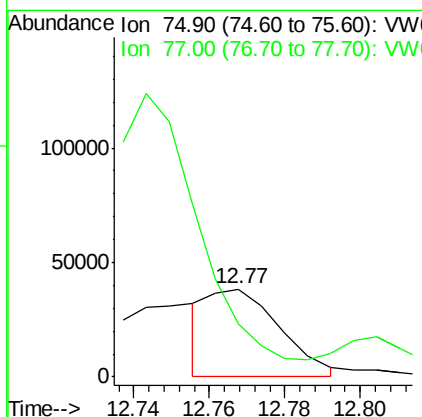
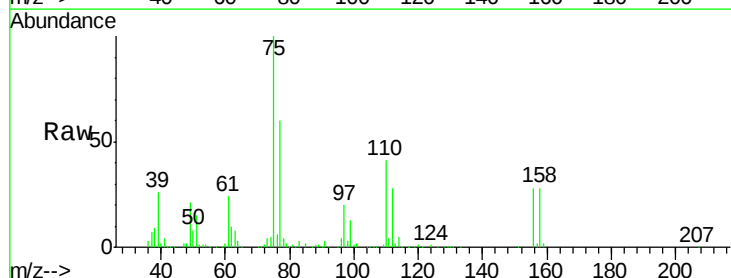
Manual Integrations
 APPROVED

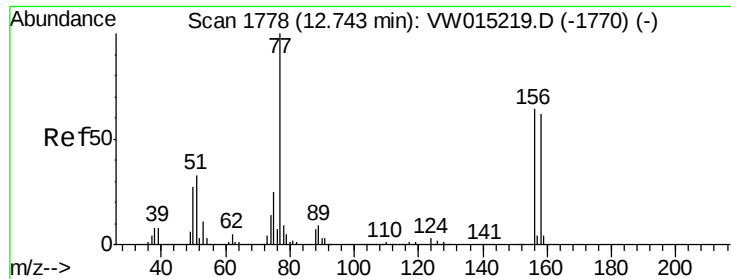
MMDadoda
 4/23/2020 1:33:04 PM



#76
 1,2,3-Trichloropropane
 Concen: 38.830 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.993 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

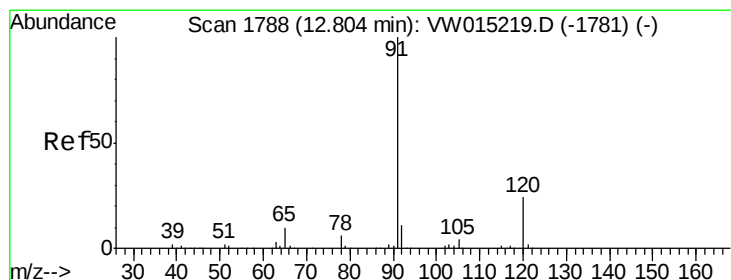
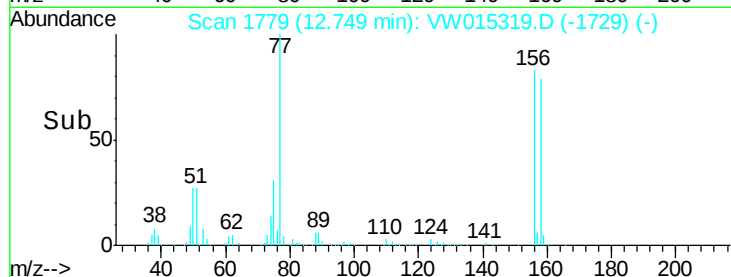
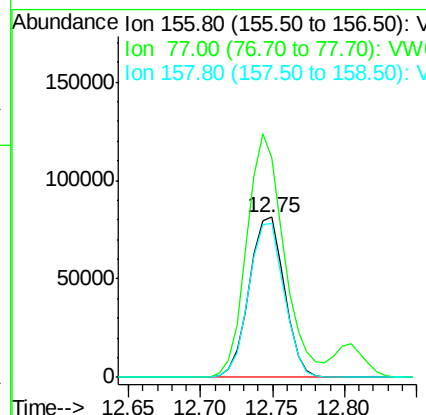
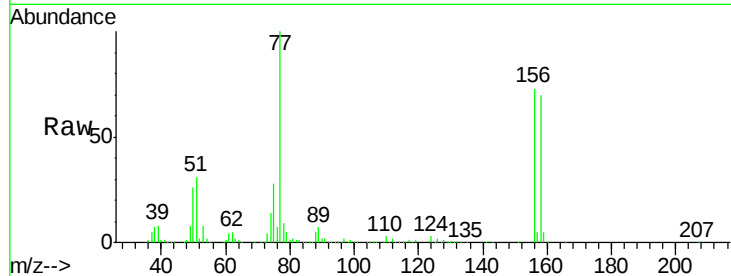
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	137022
Ion Ratio	Lower	Upper	
156	100		
77	162.2	100.5	301.5
158	96.8	47.9	143.8

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#78

n-propylbenzene

Concen: 48.463 ug/l

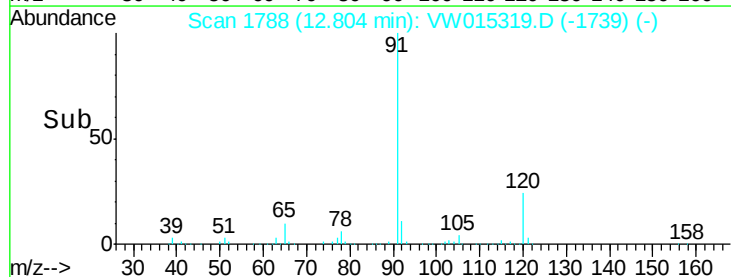
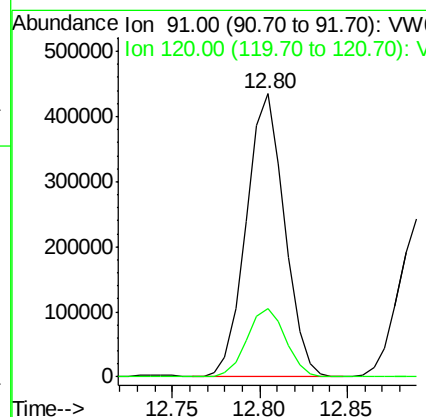
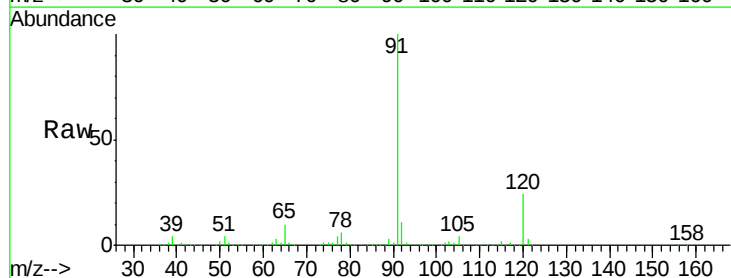
RT: 12.80 min Scan# 1788

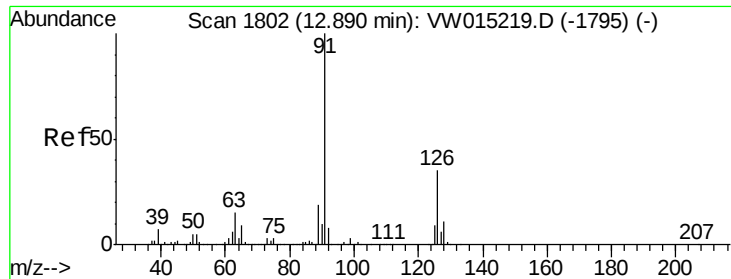
Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Tgt Ion:	91	Resp:	659941
Ion Ratio	Lower	Upper	
91	100		
120	24.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 49.969 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 383473

Ion Ratio Lower Upper

91 100

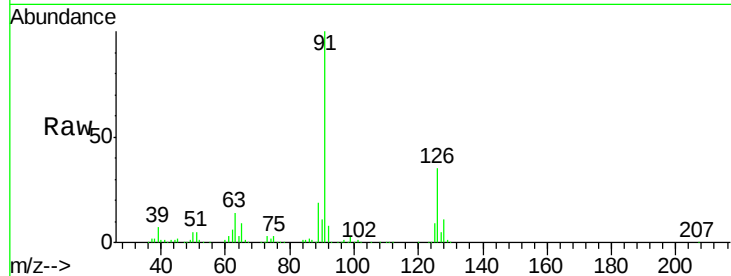
126 36.1 16.8 50.4

Manual Integrations

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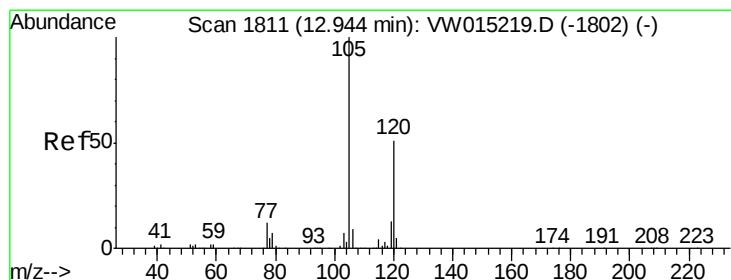
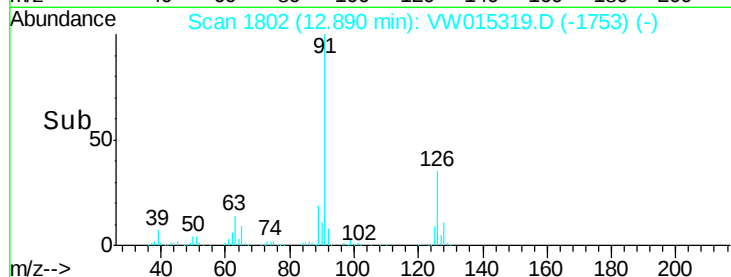
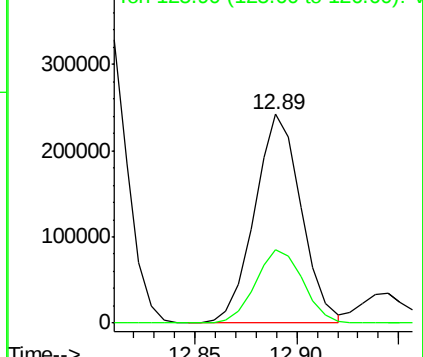
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.086 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015319.D

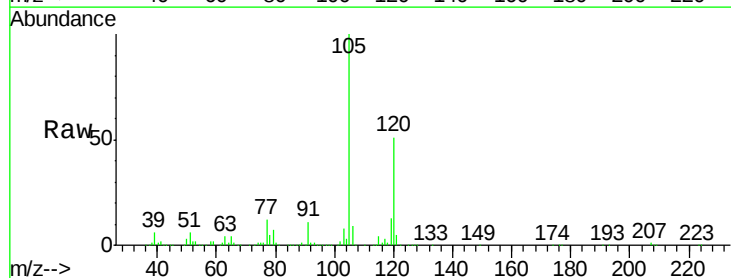
Acq: 22 Apr 2020 19:51

Tgt Ion: 105 Resp: 504609

Ion Ratio Lower Upper

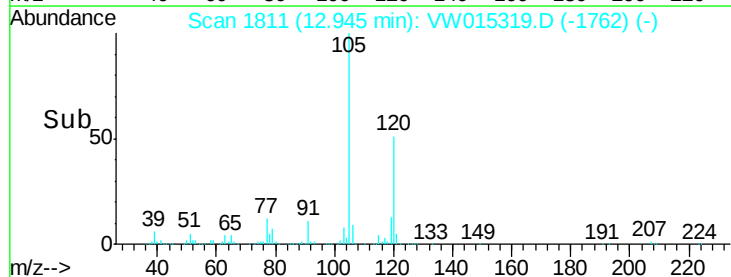
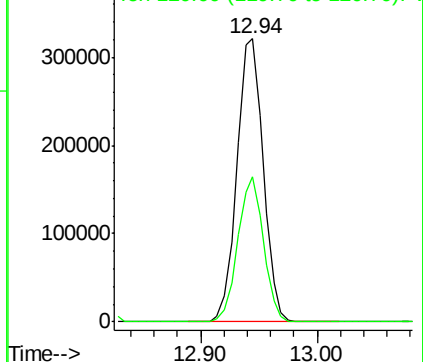
105 100

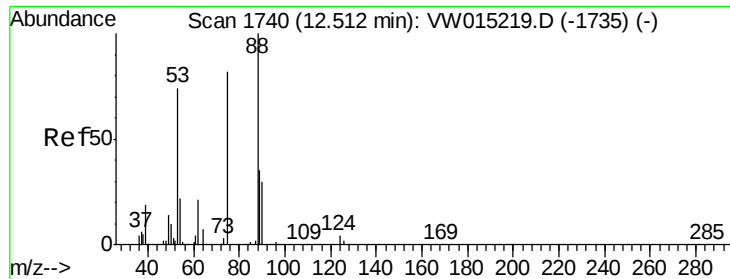
120 50.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





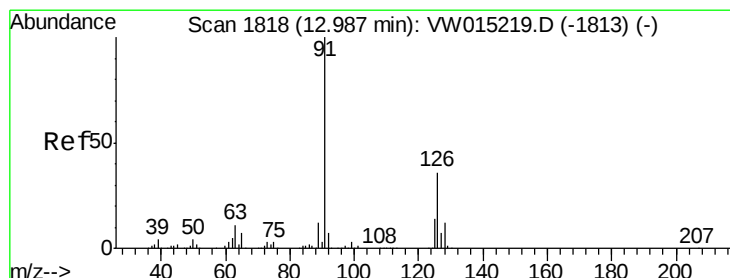
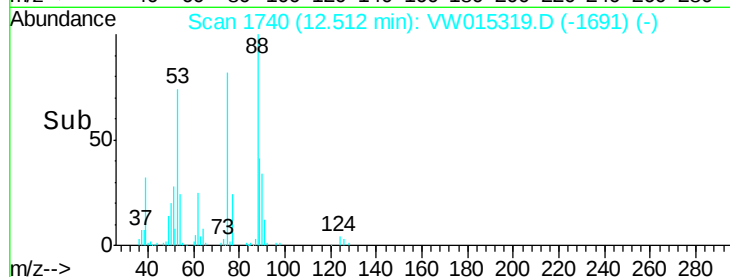
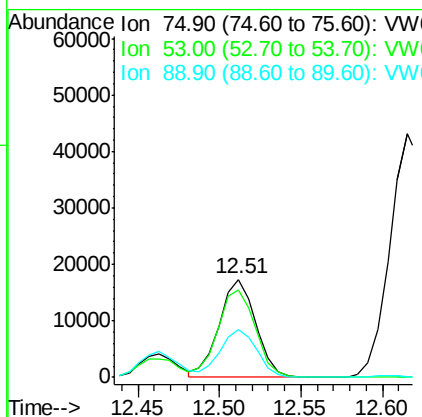
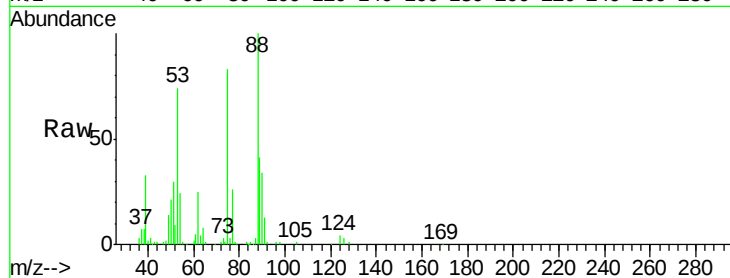
#81
trans-1,4-Dichloro-2-butene
Concen: 44.882 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	69.4	104.2
89	48.9	34.8	52.2

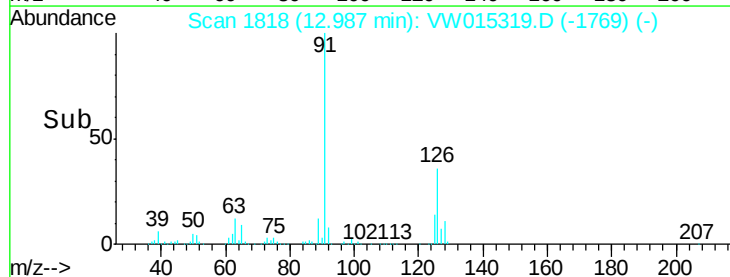
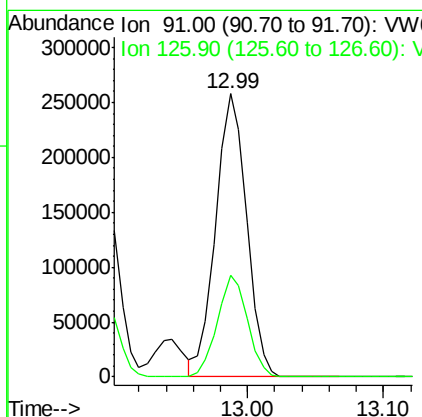
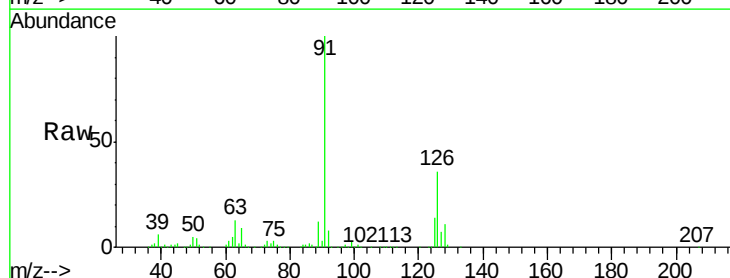
Manual Integrations
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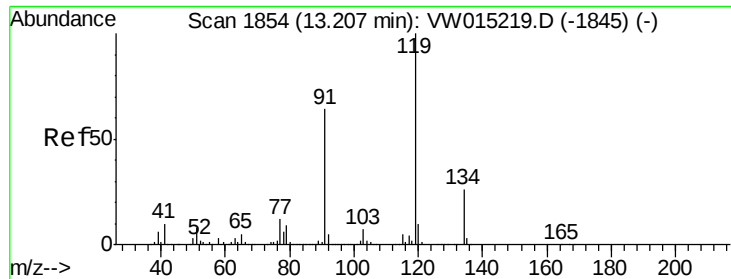
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.846 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.8	50.3





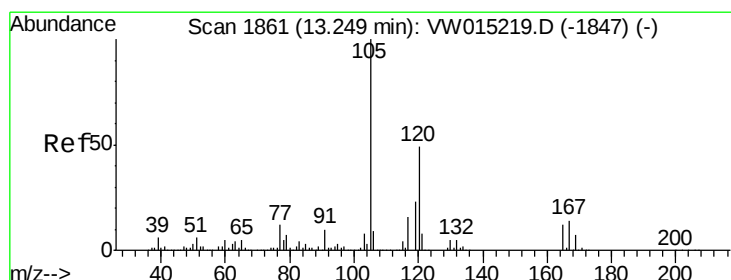
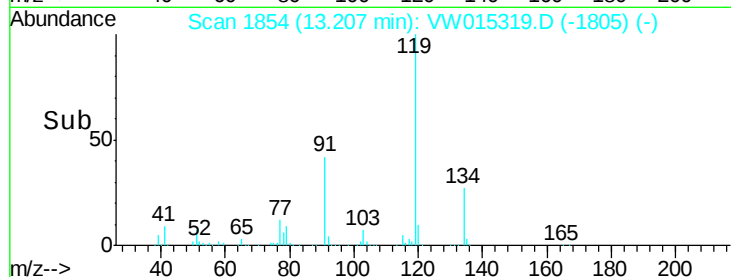
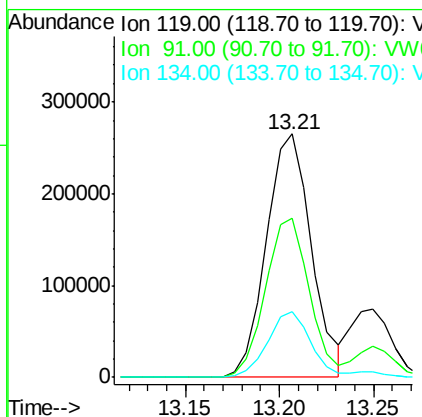
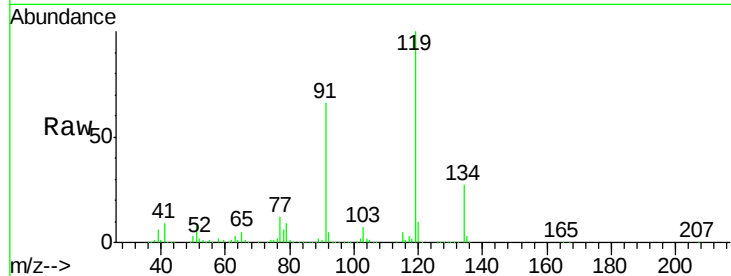
#83
tert-Butylbenzene
Concen: 49.956 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	439892		
91	63.7		32.8	98.3
134	25.9		13.3	39.9

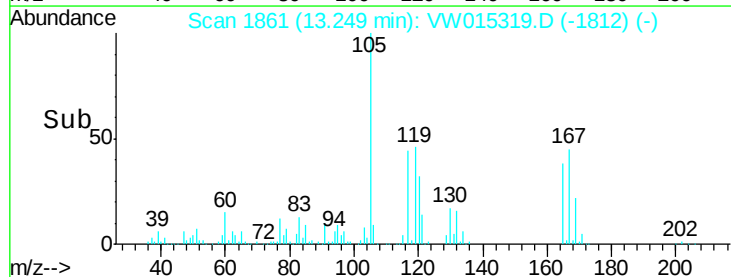
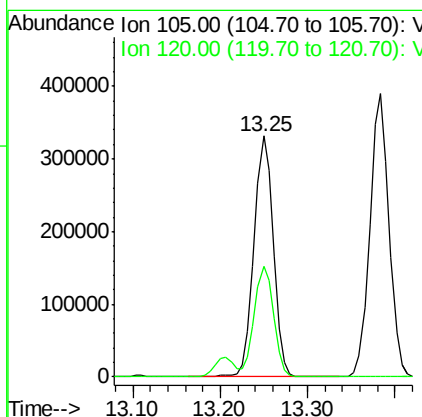
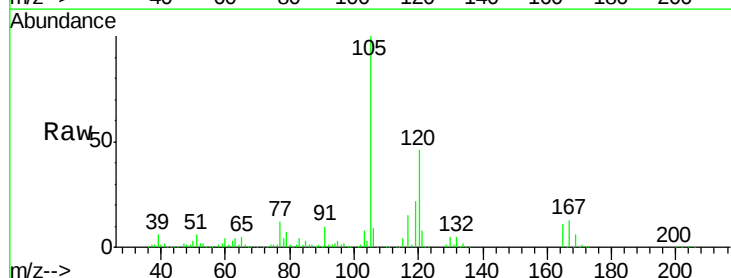
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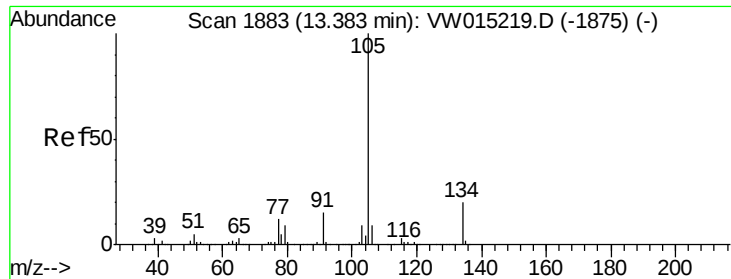
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.982 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	506609		
120	45.8		23.0	69.0





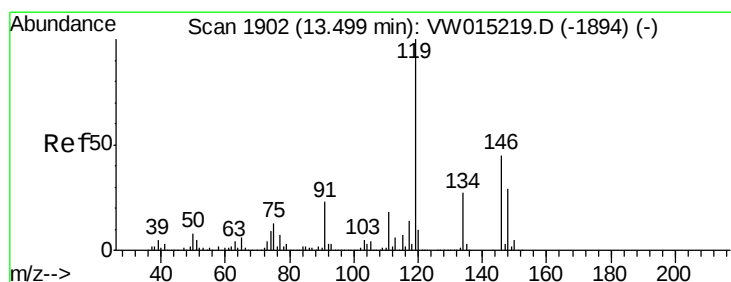
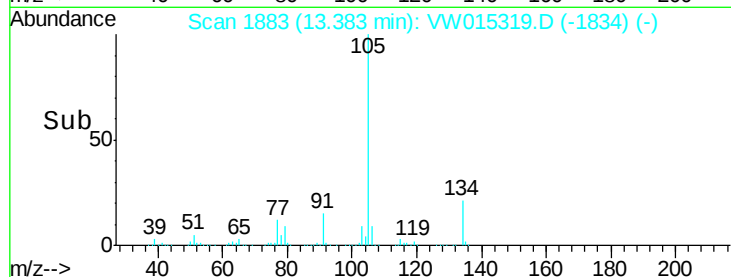
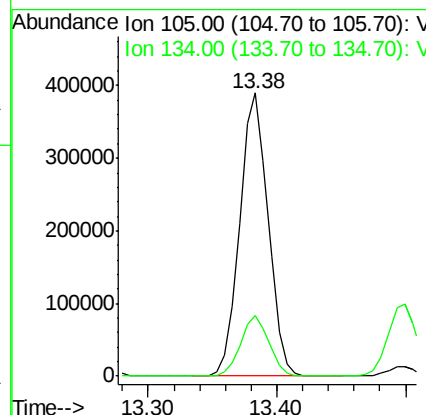
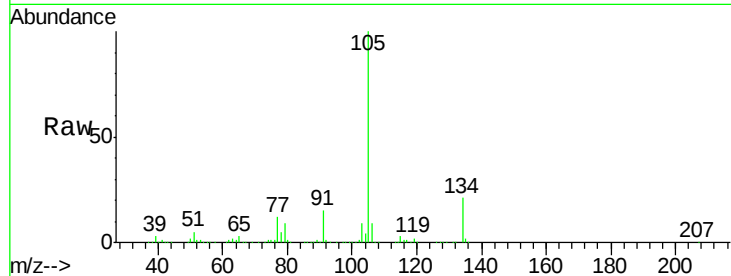
#85
 sec-Butylbenzene
 Concen: 48.800 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.1	30.1

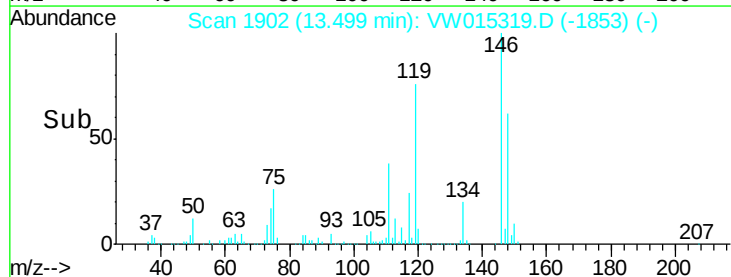
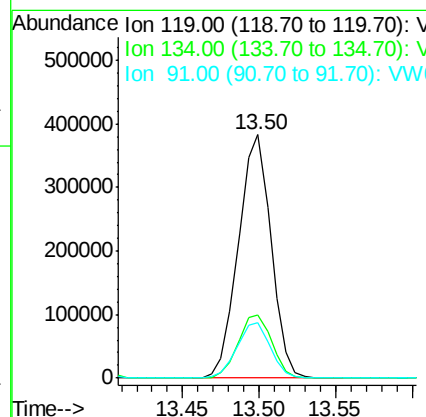
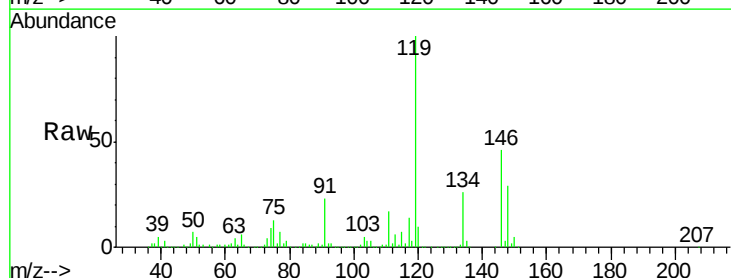
Manual Integrations
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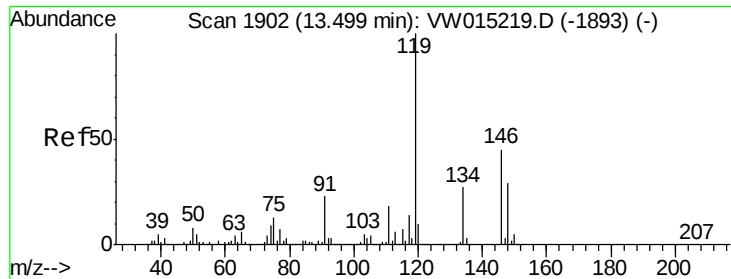
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#86
 p-Isopropyltoluene
 Concen: 50.156 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.9
91	23.2	12.0	36.1





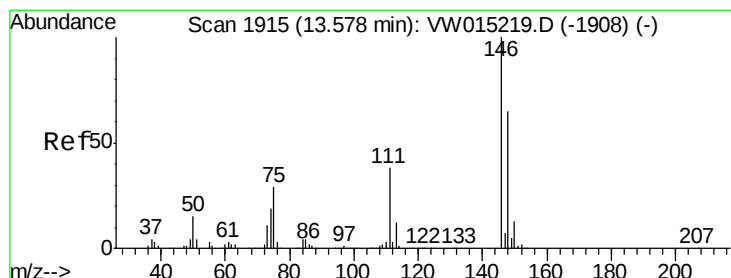
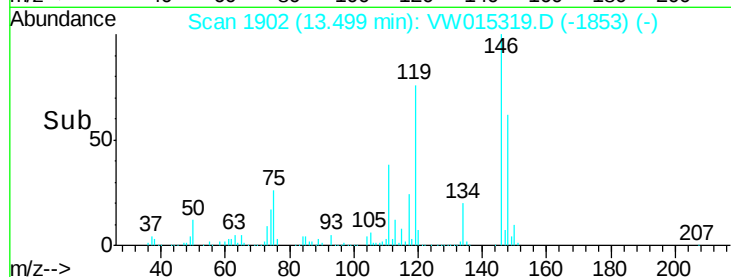
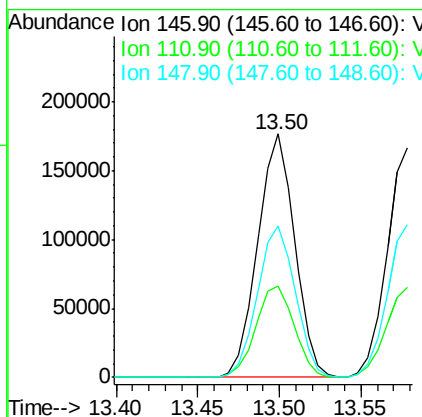
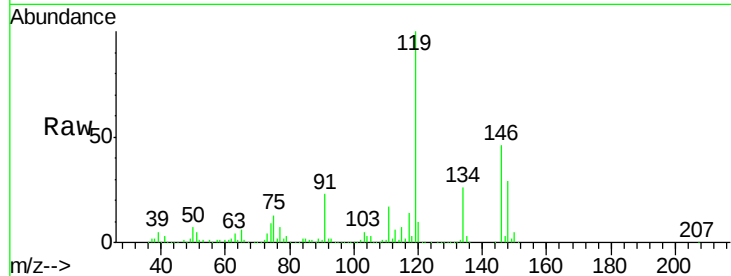
#87
 1,3-Dichlorobenzene
 Concen: 52.072 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278012		
111	39.0	21.1	63.4	
148	63.7	31.8	95.3	

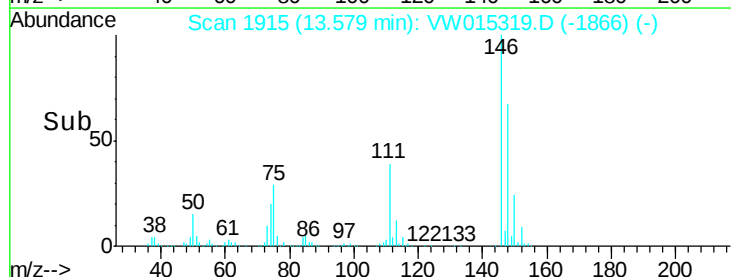
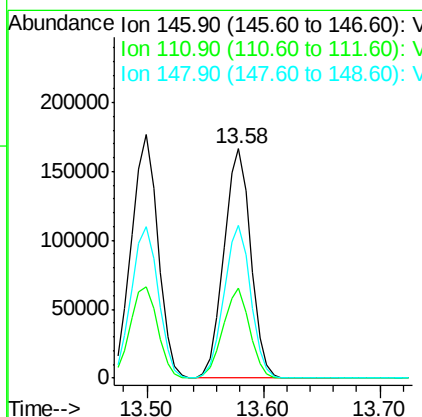
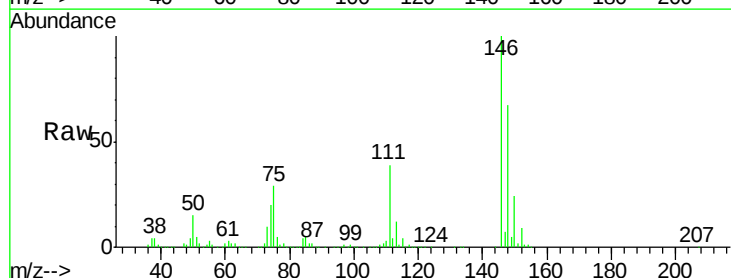
Manual Integrations
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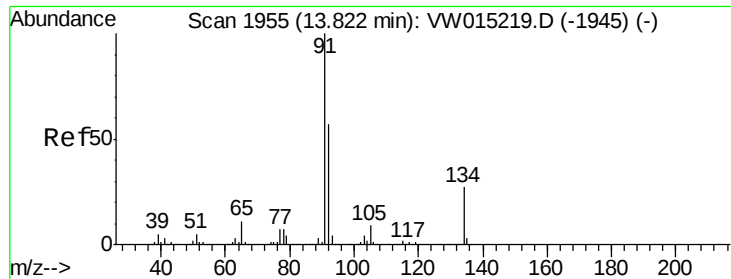
MMDadoda
 4/23/2020 1:33:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.924 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	266517		
111	38.8	20.4	61.3	
148	65.9	31.5	94.5	





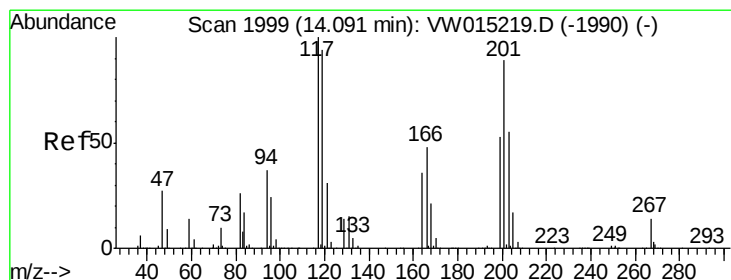
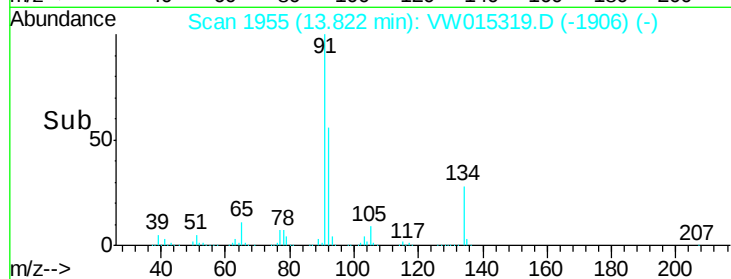
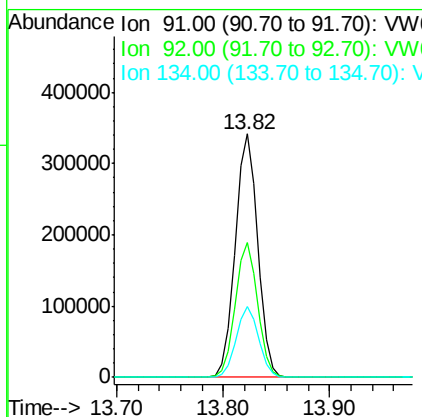
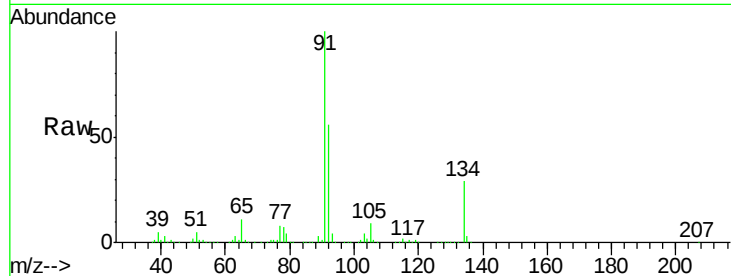
#89
n-Butylbenzene
Concen: 49.024 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.7
134	29.0	12.8	38.3

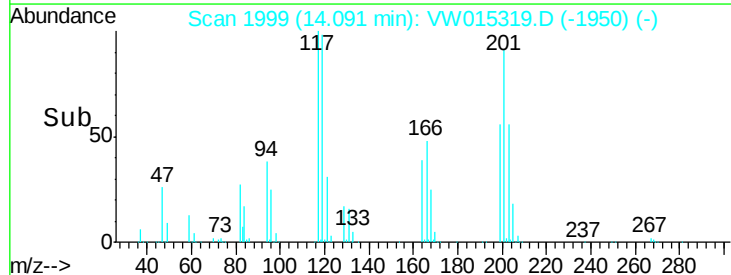
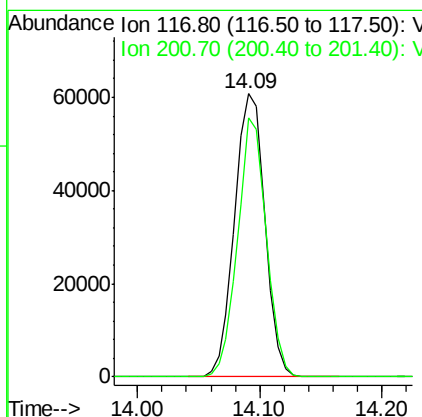
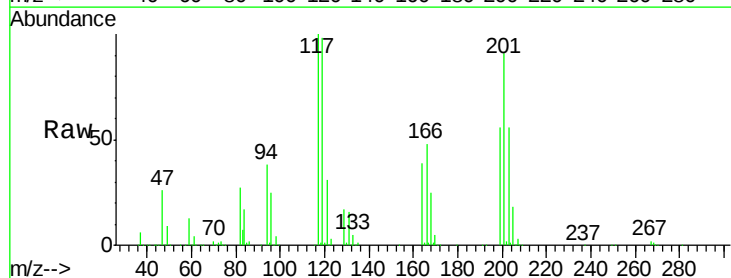
Manual Integrations
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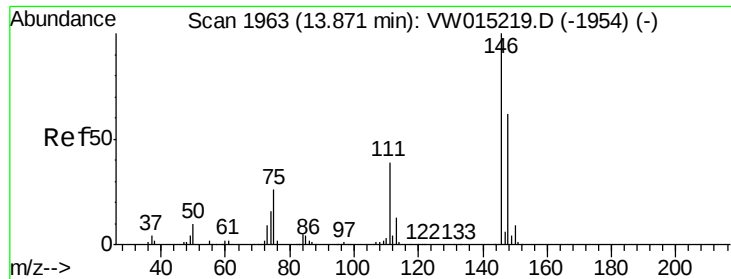
MMDadoda
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#90
Hexachloroethane
Concen: 50.238 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	33.6	100.6





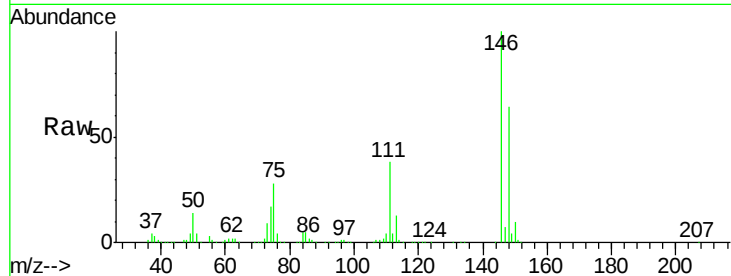
#91
 1,2-Dichlorobenzene
 Concen: 52.896 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

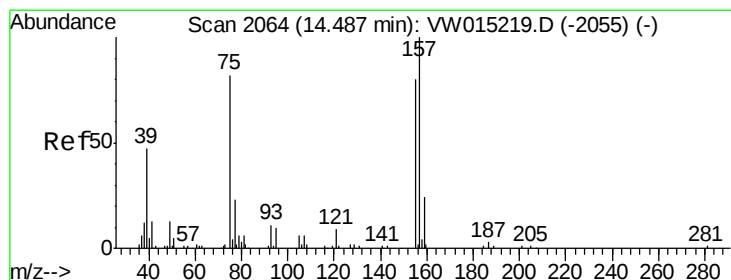
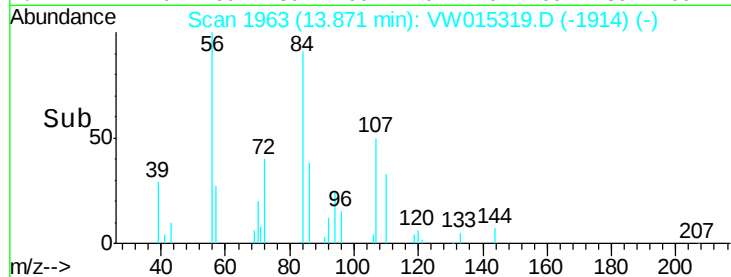
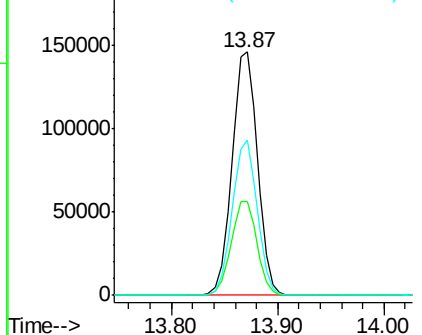
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	65.0
148	62.9	31.0	93.0

Manual Integrations
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MMDadoda
 4/23/2020 1:33:04 PM

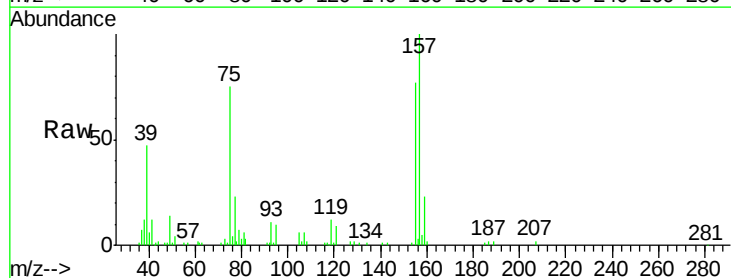


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

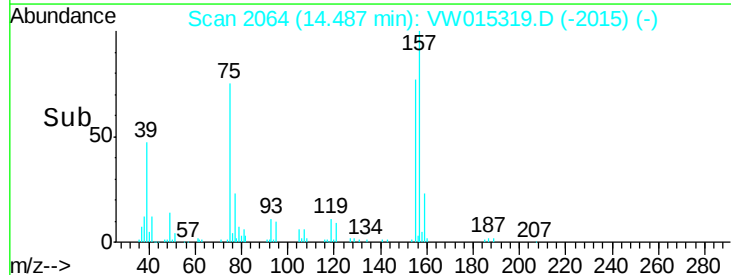
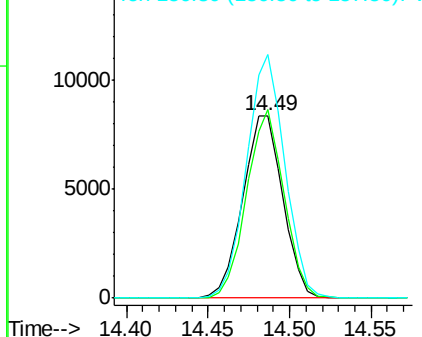


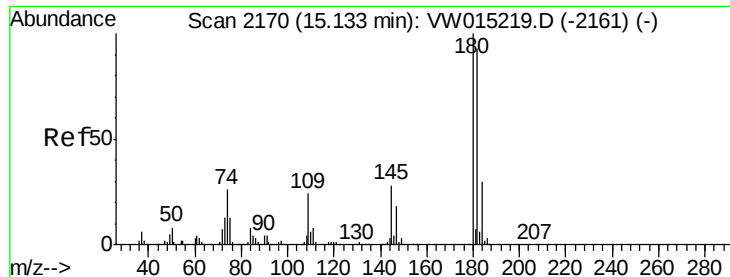
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.656 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015319.D
 Acq: 22 Apr 2020 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	41.6	124.9
157	127.4	53.8	161.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 54.010 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015319.D

Acq: 22 Apr 2020 19:51

Instrument :

MSVOA_W

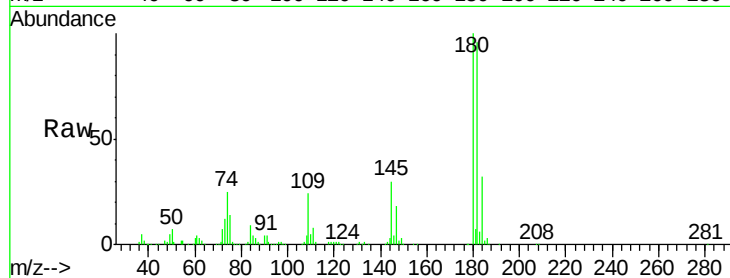
ClientSampleId :

VSTDCCC050EC

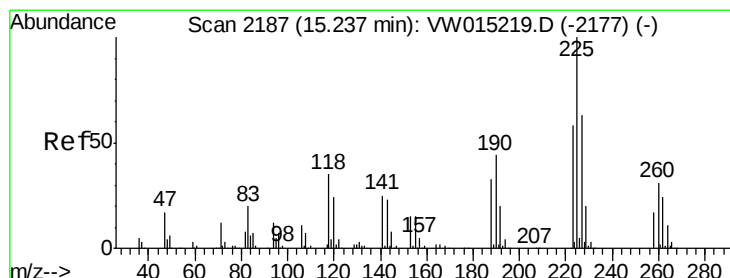
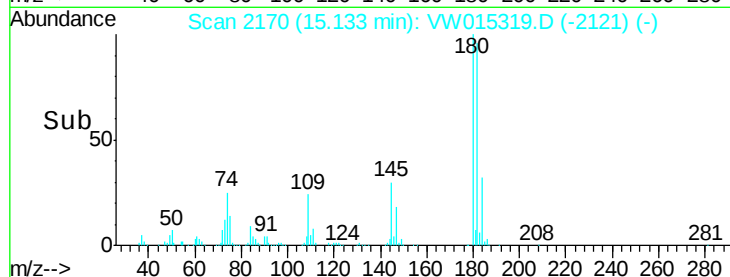
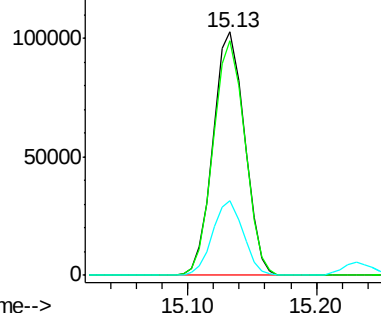
Tot Ion:	180	Resp:	174171
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.1	141.4
145	29.8	16.2	48.6

Manual Integrations
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4/23/2020 1:33:04 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.666 ug/l

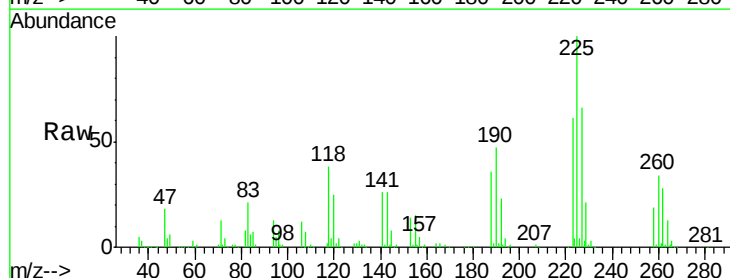
RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

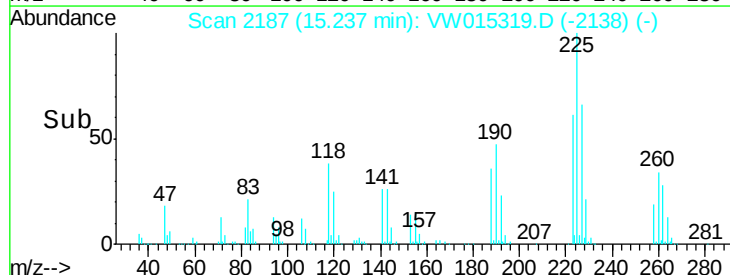
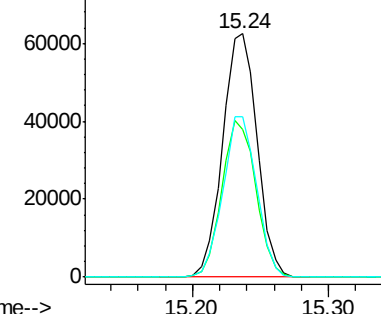
Lab File: VW015319.D

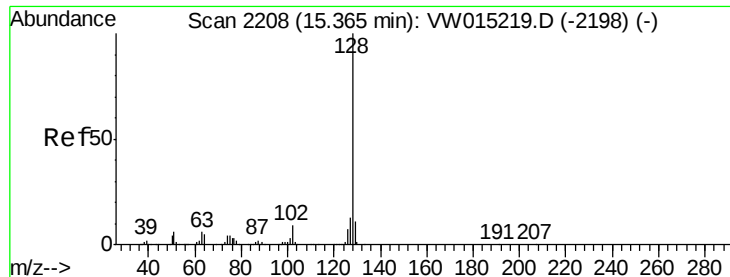
Acq: 22 Apr 2020 19:51

Tgt Ion:	225	Resp:	111080
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.0	93.0
227	64.7	30.8	92.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





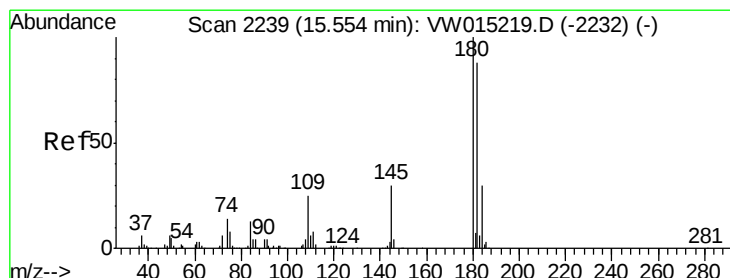
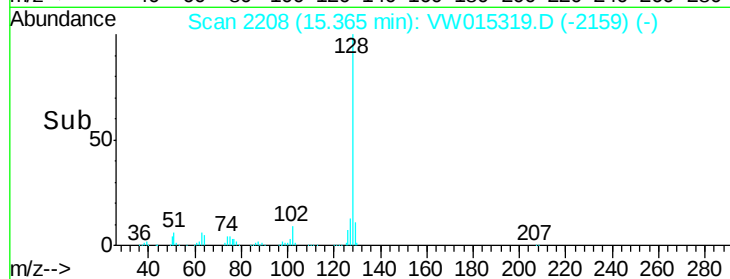
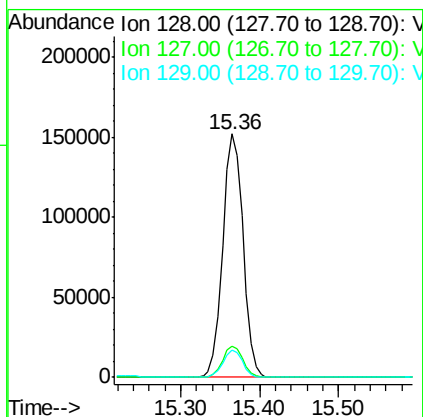
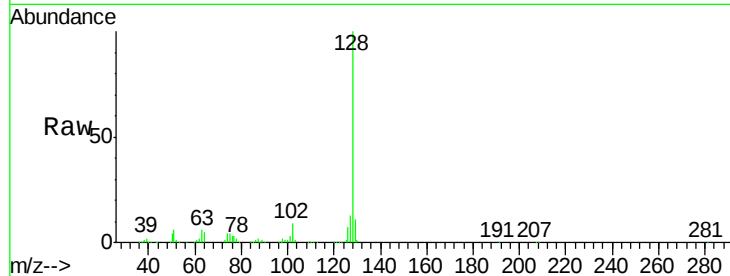
#95
Naphthalene
Concen: 52.645 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	273092
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.946 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015319.D
Acq: 22 Apr 2020 19:51

Tgt Ion:	180	Resp:	146789
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.8	146.3
145	30.4	17.2	51.6

