

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010541.D
 Acq On : 23 May 2019 21:15
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:00:00 AM

Quant Time: May 24 09:25:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	136292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	236371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72913	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.88	113	75084	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.32	98	282236	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.62	95	110316	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	54543	44.892	ug/l	98
3) Chloromethane	2.21	50	61798	43.156	ug/l	99
4) Vinyl Chloride	2.35	62	68461	41.274	ug/l	97
5) Bromomethane	2.75	94	50721	44.449	ug/l	100
6) Chloroethane	2.90	64	47464	44.576	ug/l	99
7) Trichlorofluoromethane	3.25	101	116417	47.539	ug/l	99
8) Diethyl Ether	3.68	74	39240	50.550	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72375	47.991	ug/l	98
10) Methyl Iodide	4.26	142	85144	49.395	ug/l	97
11) Tert butyl alcohol	5.16	59	32757	258.872	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	69368	48.186	ug/l	97
13) Acrolein	3.89	56	17932	242.539	ug/l	100
14) Allyl chloride	4.67	41	98295	47.171	ug/l	99
15) Acrylonitrile	5.37	53	80459	247.490	ug/l	99
16) Acetone	4.12	43	65103	226.720	ug/l	99
17) Carbon Disulfide	4.37	76	196169	45.685	ug/l	97
18) Methyl Acetate	4.67	43	34006	48.421	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	188632	51.398	ug/l	99
20) Methylene Chloride	4.91	84	75494	44.221	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	80550	48.781	ug/l	97
22) Diisopropyl ether	6.31	45	208322	48.755	ug/l	97
23) Vinyl Acetate	6.25	43	630138	246.888	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126440	49.588	ug/l	98
25) 2-Butanone	7.17	43	102671	249.844	ug/l	97
26) 2,2-Dichloropropane	7.17	77	111086	45.736	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	90480	50.401	ug/l	99
28) Bromochloromethane	7.51	49	47039	51.526	ug/l	95
29) Tetrahydrofuran	7.53	42	68179	245.183	ug/l	97
30) Chloroform	7.68	83	138876	50.494	ug/l	96
31) Cyclohexane	7.95	56	115810	43.360	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	126882	48.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103916	47.193	ug/l	99
37) Ethyl Acetate	7.25	43	47355	50.574	ug/l	98
38) Carbon Tetrachloride	8.07	117	113966	47.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	138413	46.919	ug/l	98
40) Benzene	8.32	78	308987	50.487	ug/l	100
41) Methacrylonitrile	7.48	41	26572	47.760	ug/l	100
42) 1,2-Dichloroethane	8.40	62	88297	50.479	ug/l	99
43) Isopropyl Acetate	8.43	43	92237	49.308	ug/l	99
44) Trichloroethene	9.09	130	91376	50.292	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72793	50.081	ug/l	99
46) Dibromomethane	9.46	93	43627	51.323	ug/l	96
47) Bromodichloromethane	9.65	83	106290	49.758	ug/l	98
48) Methyl methacrylate	9.43	41	41194	48.135	ug/l	96
49) 1,4-Dioxane	9.45	88	14523	1045.875	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	237412	250.462	ug/l	99
52) Toluene	10.39	92	206214	50.172	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	106482	49.219	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	122863	49.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	64319	52.618	ug/l	99
56) Ethyl methacrylate	10.65	69	84545	50.150	ug/l	98
57) 1,3-Dichloropropane	10.93	76	105894	51.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	198002	265.164	ug/l	98
59) 2-Hexanone	10.97	43	165232	244.361	ug/l	99
60) Dibromochloromethane	11.13	129	80747	52.195	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64931	52.438	ug/l	99
64) Tetrachloroethene	10.86	164	78489	52.548	ug/l	98
65) Chlorobenzene	11.66	112	229567	50.270	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	82719	50.566	ug/l	100
67) Ethyl Benzene	11.73	91	386855	47.982	ug/l	98
68) m/p-Xylenes	11.84	106	309324	97.813	ug/l	99
69) o-Xylene	12.16	106	150042	50.077	ug/l	97
70) Styrene	12.18	104	255841	50.326	ug/l	99
71) Bromoform	12.35	173	45725	50.758	ug/l #	100
73) Isopropylbenzene	12.46	105	398542	47.071	ug/l	100
74) N-amyl acetate	12.27	43	88294	45.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	72866	47.316	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49975m	46.143	ug/l	
77) Bromobenzene	12.75	156	95229	50.260	ug/l	96
78) n-propylbenzene	12.80	91	451166	45.725	ug/l	100
79) 2-Chlorotoluene	12.90	91	267095	46.678	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	336199	46.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22547	43.448	ug/l	98
82) 4-Chlorotoluene	12.99	91	279628	47.081	ug/l	99
83) tert-Butylbenzene	13.21	119	289655	46.243	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	337629	47.274	ug/l	100
85) sec-Butylbenzene	13.38	105	401690	45.825	ug/l	100
86) p-Isopropyltoluene	13.50	119	365355	46.048	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	180507	48.559	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	183677	49.248	ug/l	99
89) n-Butylbenzene	13.83	91	342022	45.320	ug/l	99
90) Hexachloroethane	14.10	117	70235	45.734	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	169177	49.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13200	46.097	ug/l	95

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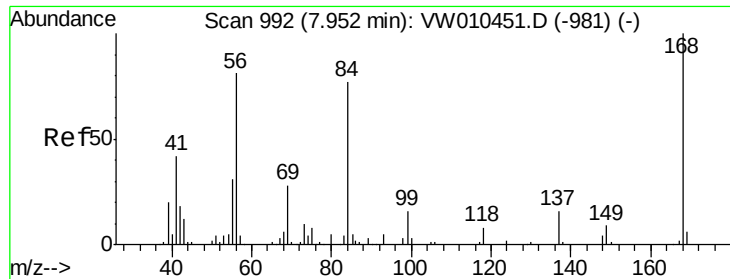
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	116554	50.576	ug/l	99
94) Hexachlorobutadiene	15.24	225	60395	49.057	ug/l	98
95) Naphthalene	15.37	128	240175	49.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	101906	51.391	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 136292

Ion Ratio Lower Upper

168 100

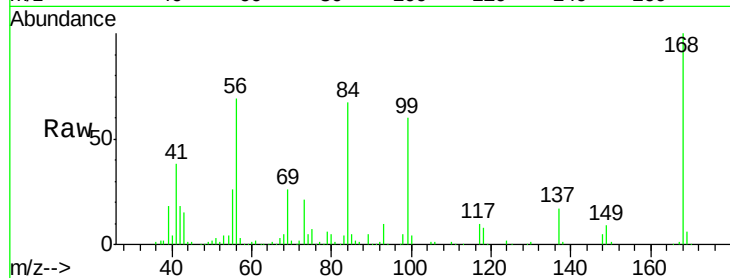
99 60.4 46.1 69.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

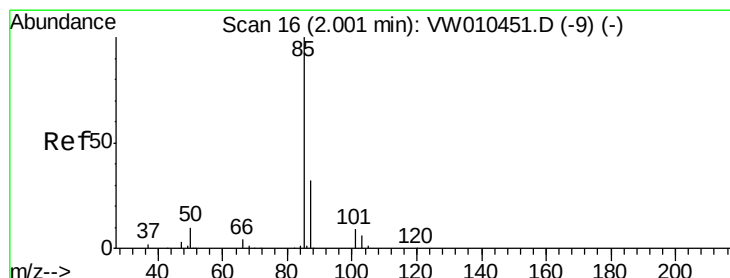
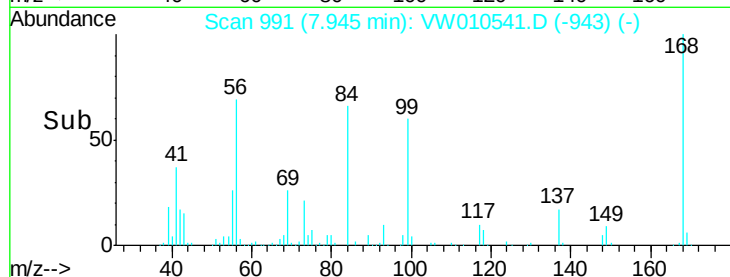
40000

20000

0

7.90 7.95 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.892 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010541.D

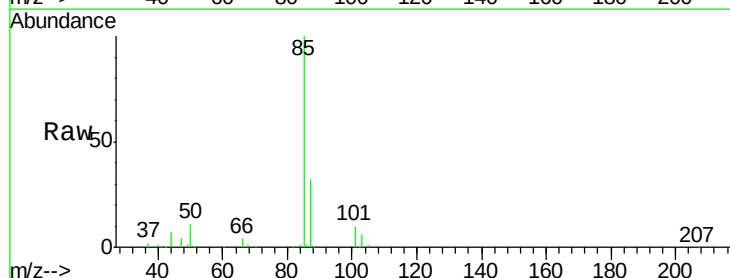
Acq: 23 May 2019 21:15

Tgt Ion: 85 Resp: 54543

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

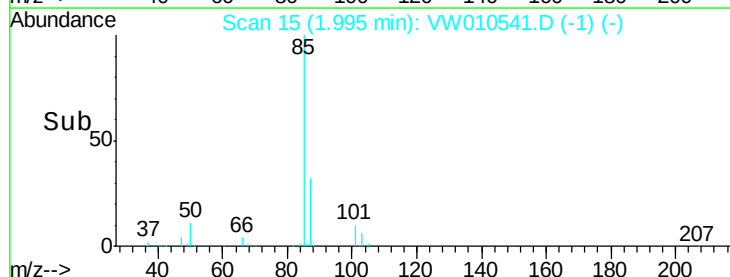
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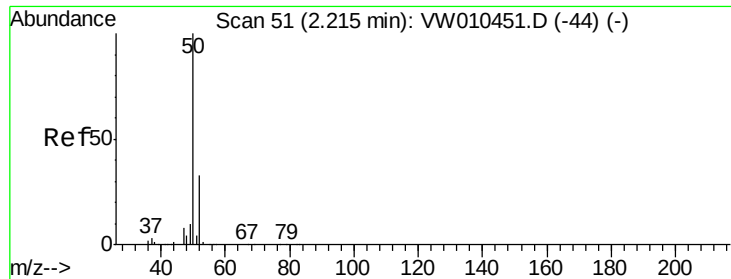
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.156 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 61798

Ion Ratio Lower Upper

50 100

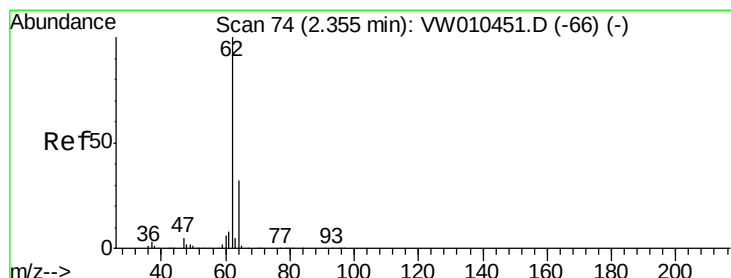
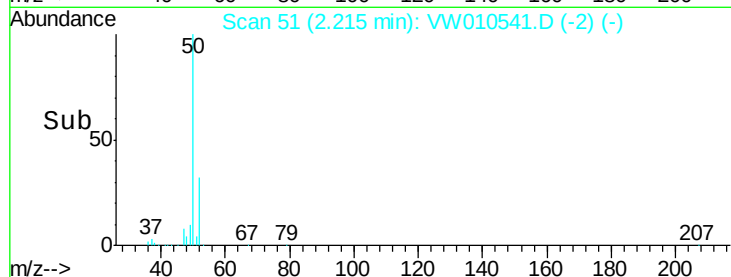
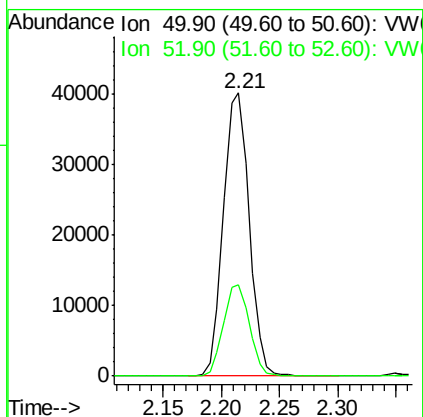
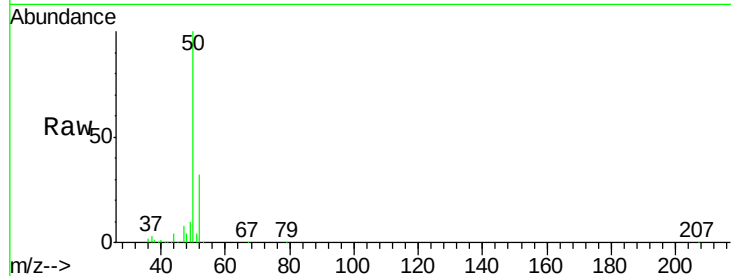
52 32.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 41.274 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010541.D

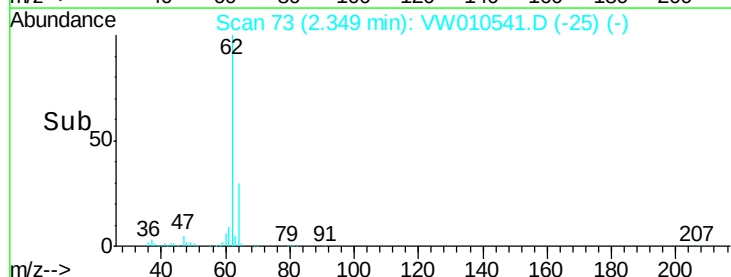
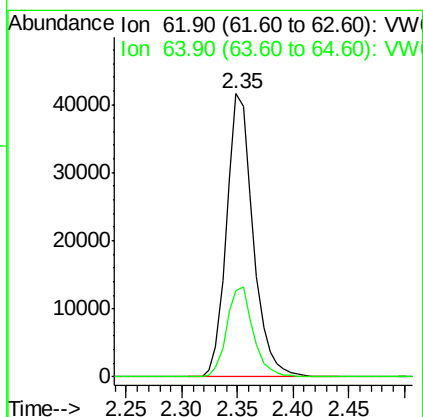
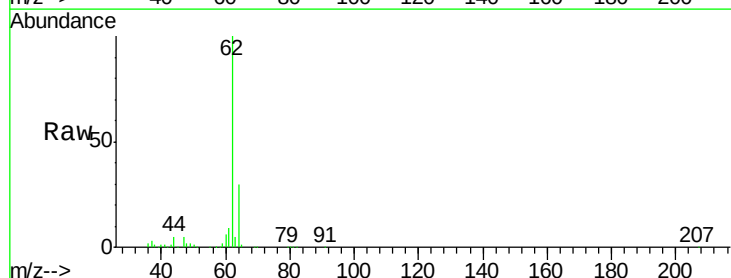
Acq: 23 May 2019 21:15

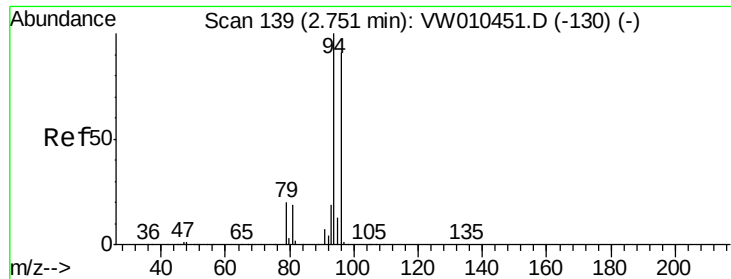
Tgt Ion: 62 Resp: 68461

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 44.449 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 50721

Ion Ratio Lower Upper

94 100

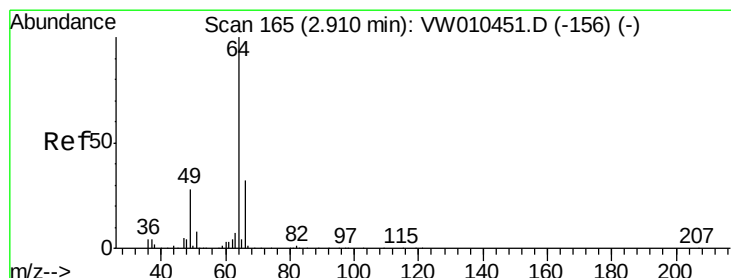
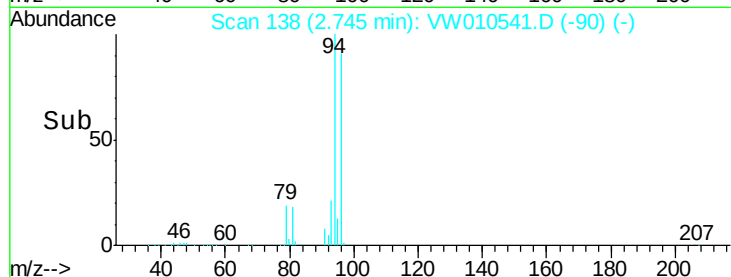
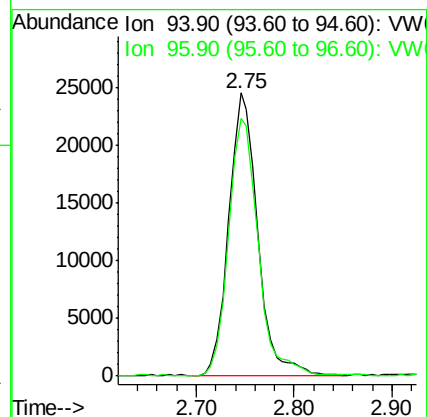
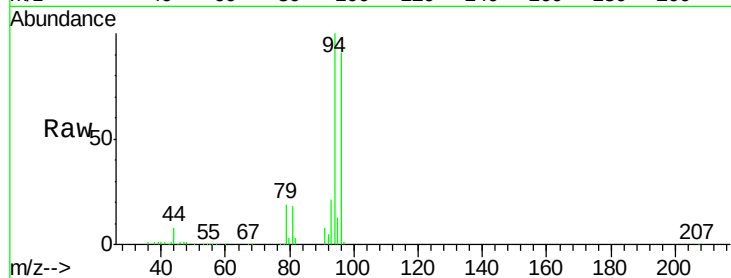
96 90.9 72.9 109.3

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#6

Chloroethane

Concen: 44.576 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010541.D

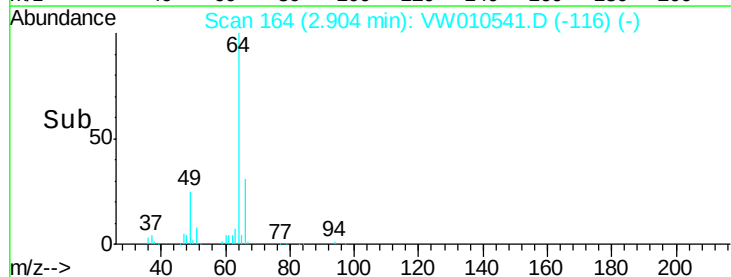
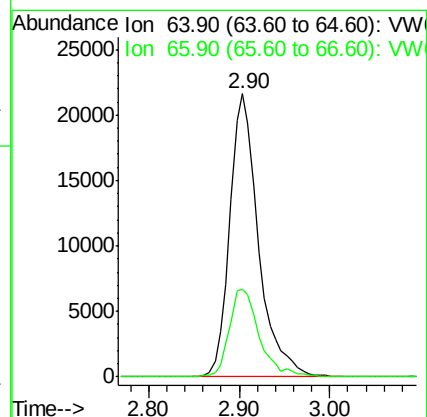
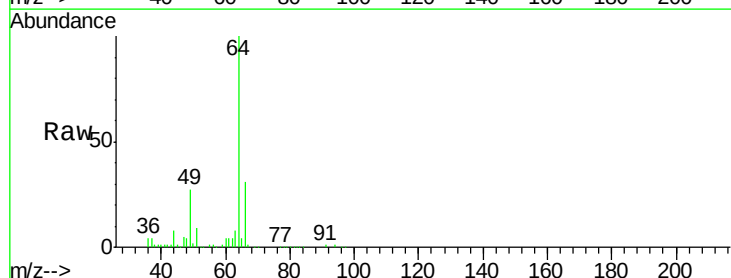
Acq: 23 May 2019 21:15

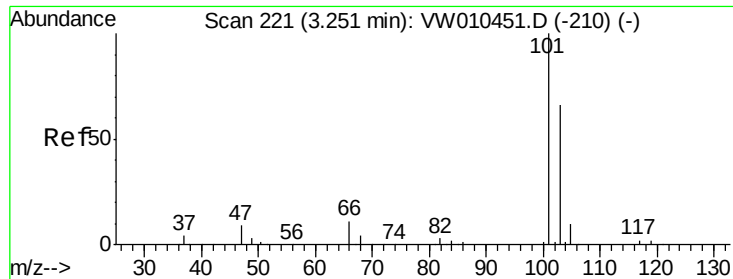
Tgt Ion: 64 Resp: 47464

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

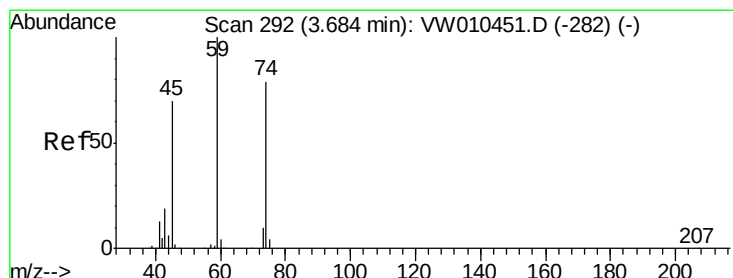
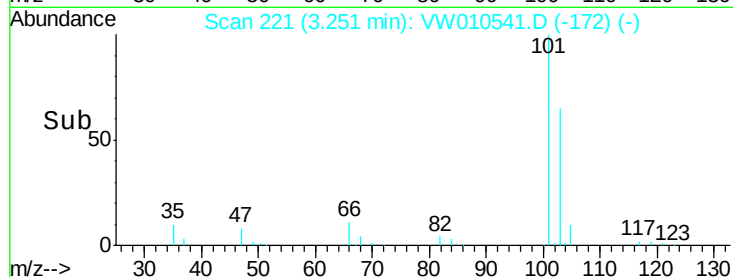
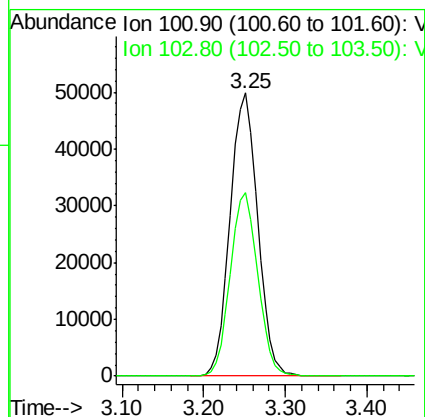
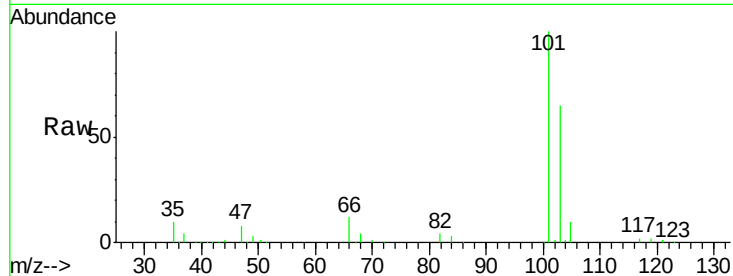
Trichlorofluoromethane
Concen: 47.539 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 116417
Ion Ratio Lower Upper
101 100
103 65.0 53.0 79.4

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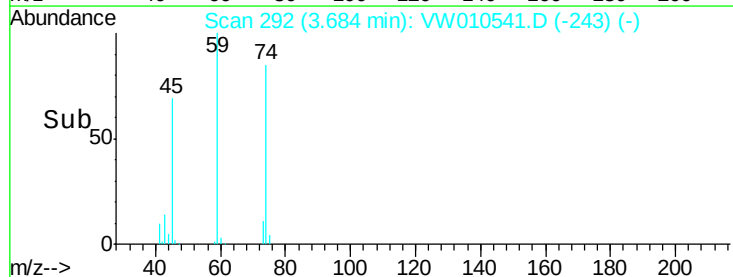
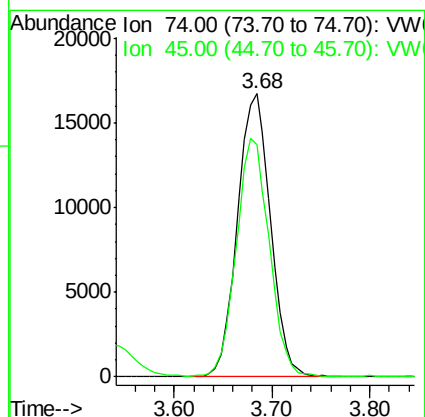
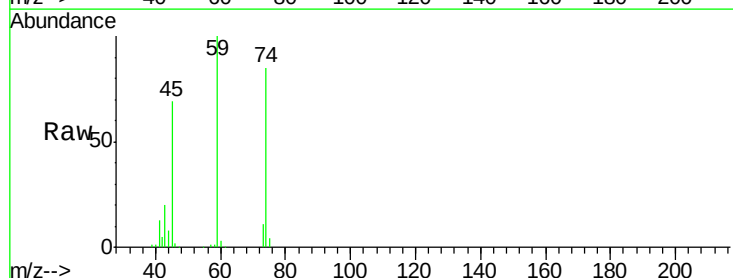
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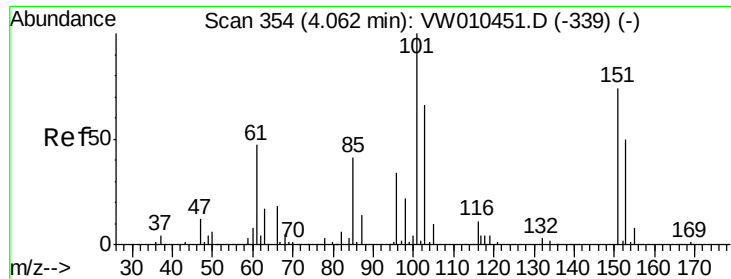


#8

Diethyl Ether
Concen: 50.550 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion: 74 Resp: 39240
Ion Ratio Lower Upper
74 100
45 84.2 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.991 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

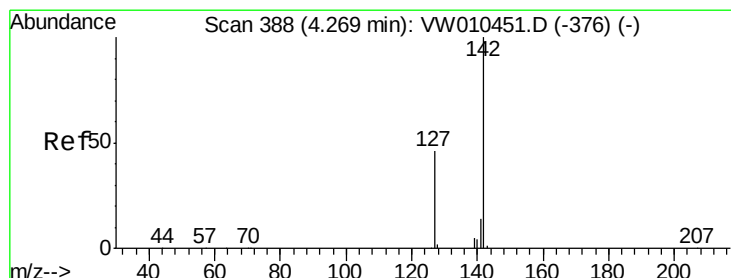
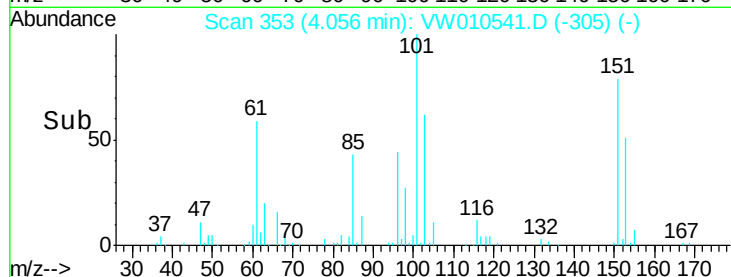
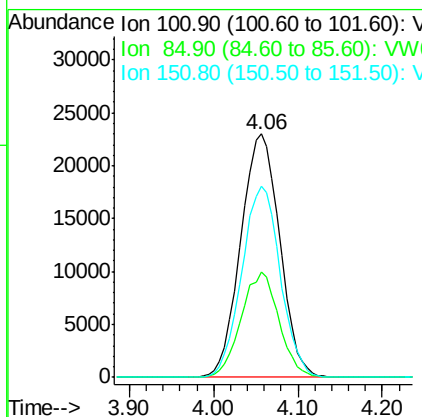
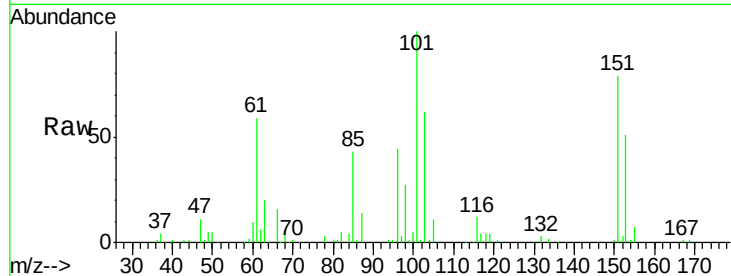
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	72375
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.3	51.5
151	77.3	60.3	90.5

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#10

Methyl Iodide

Concen: 49.395 ug/l

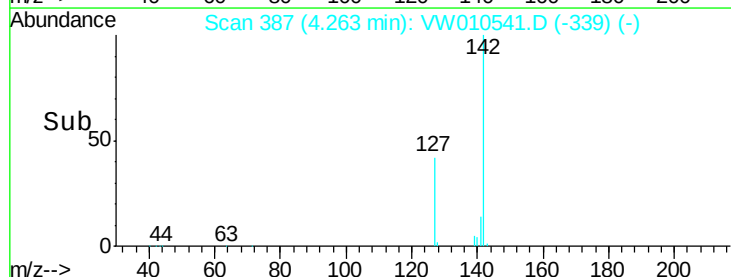
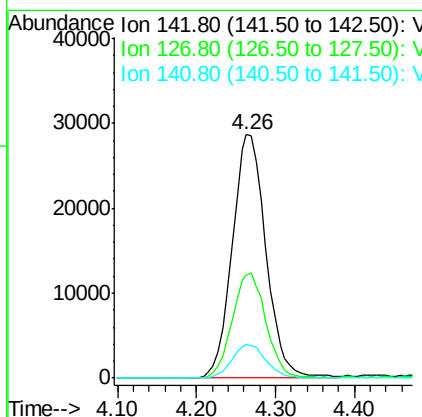
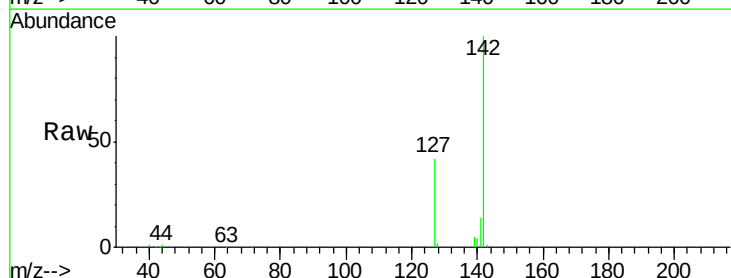
RT: 4.26 min Scan# 387

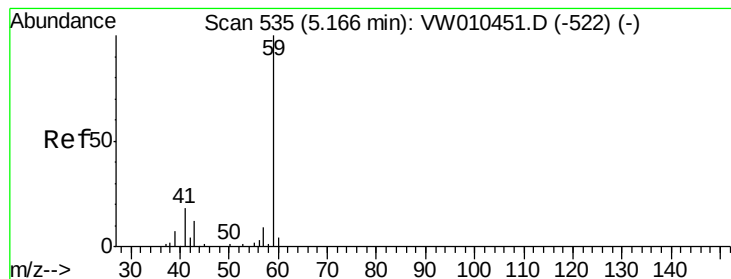
Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion:	142	Resp:	85144
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.1	54.1
141	13.9	11.3	16.9





#11

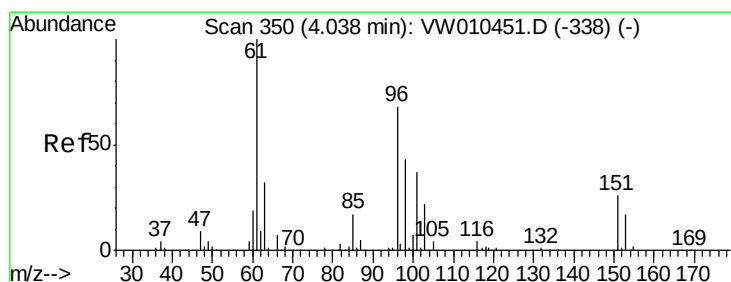
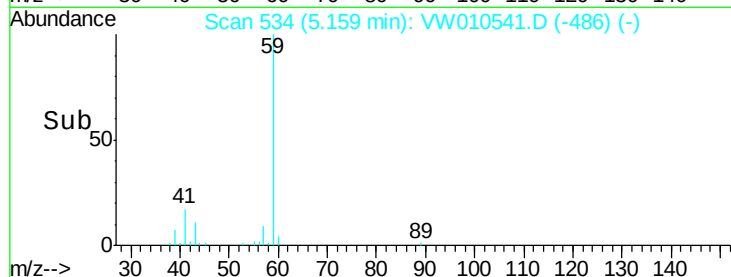
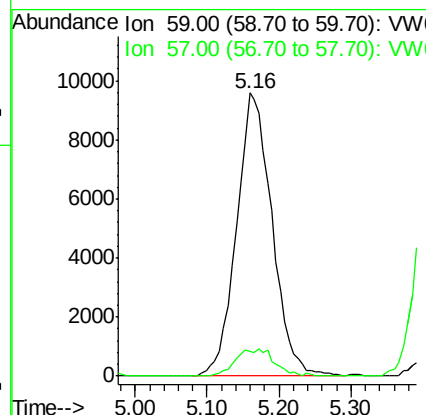
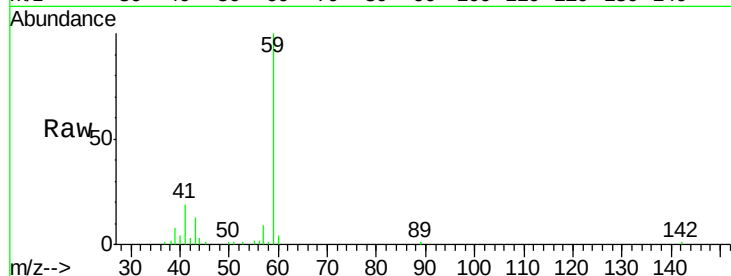
Tert butyl alcohol
 Concen: 258.872 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.8	13.2#

Manual Integrations
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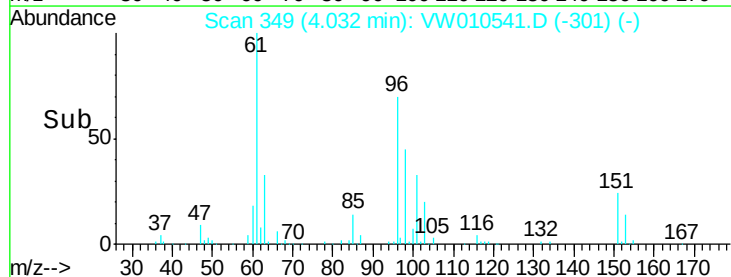
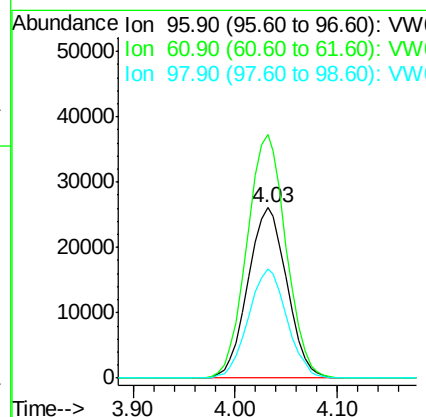
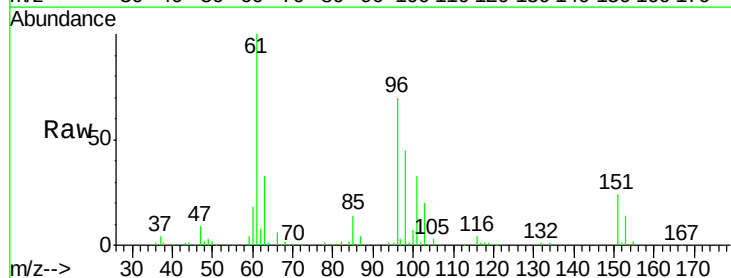
MMDadoda
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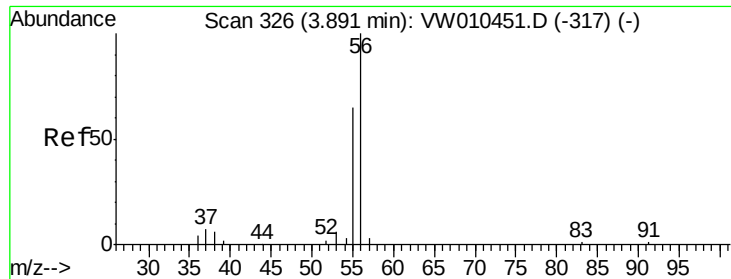


#12

1,1-Dichloroethene
 Concen: 48.186 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.9	118.3	177.5
98	63.8	51.0	76.6





#13

Acrolein

Concen: 242.539 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 17932

Ion Ratio Lower Upper

56 100

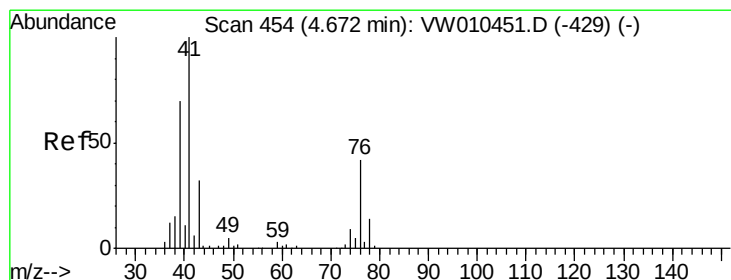
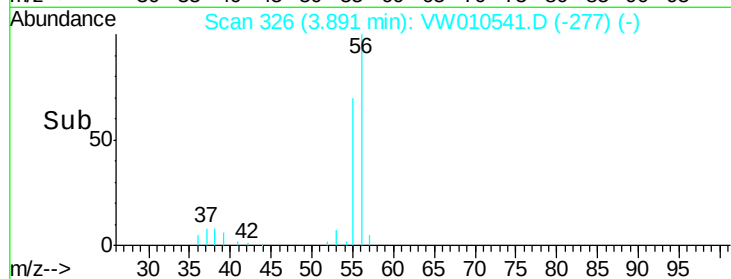
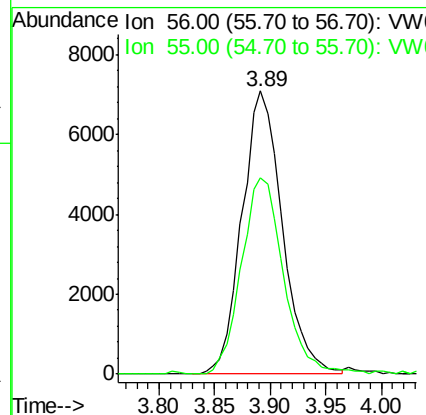
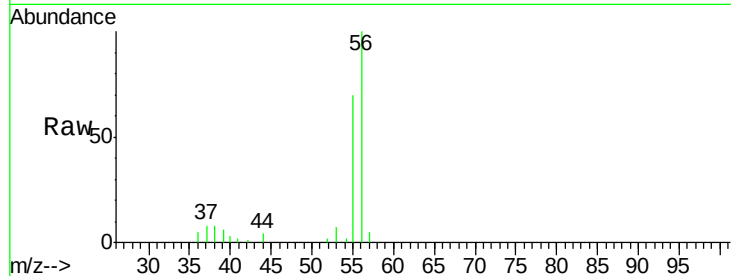
55 72.2 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 47.171 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

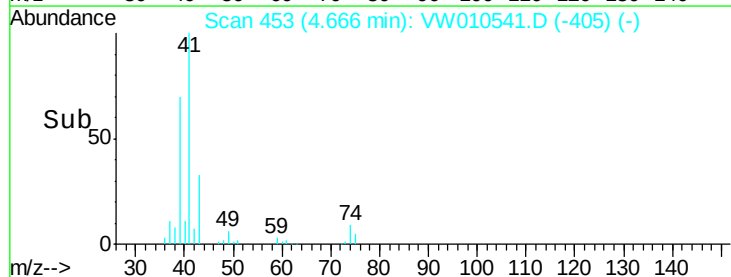
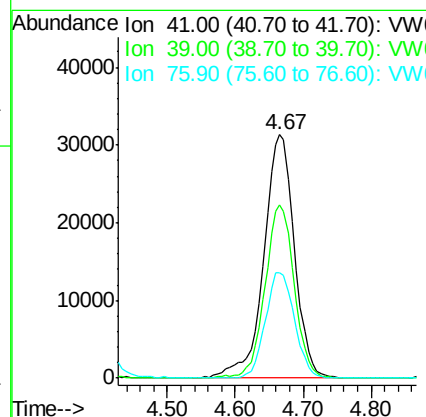
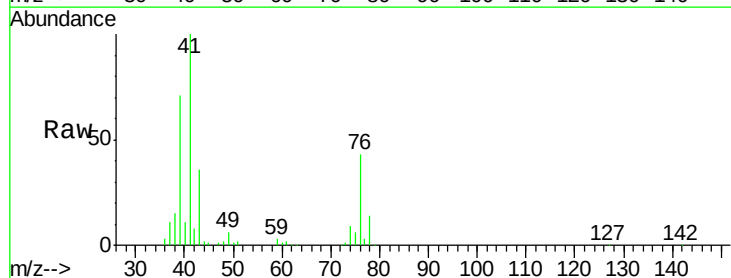
Tgt Ion: 41 Resp: 98295

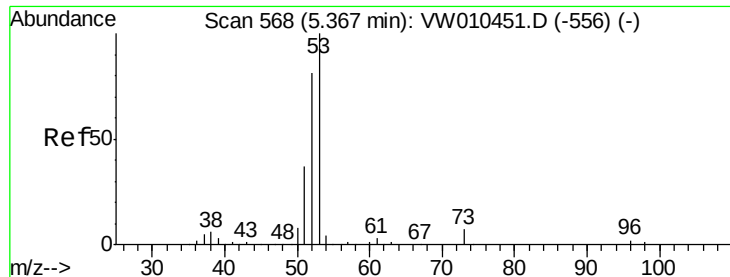
Ion Ratio Lower Upper

41 100

39 68.1 55.0 82.4

76 41.5 32.8 49.2





#15

Acrylonitrile

Concen: 247.490 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

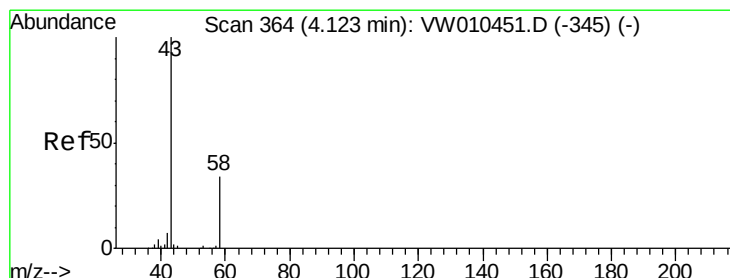
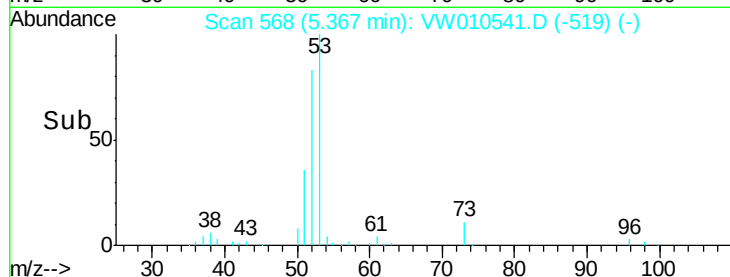
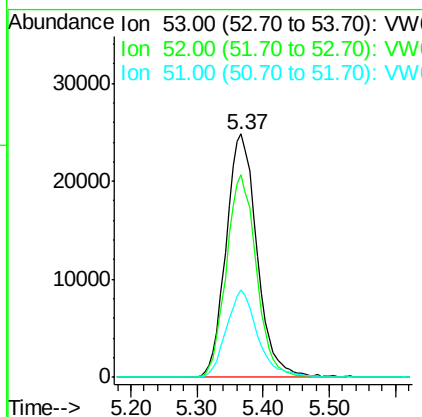
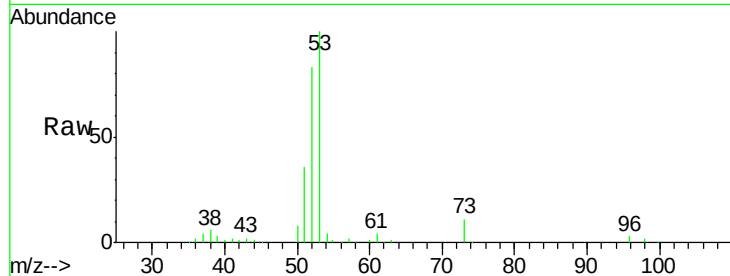
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	80459
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.6	98.4
51	36.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 226.720 ug/l

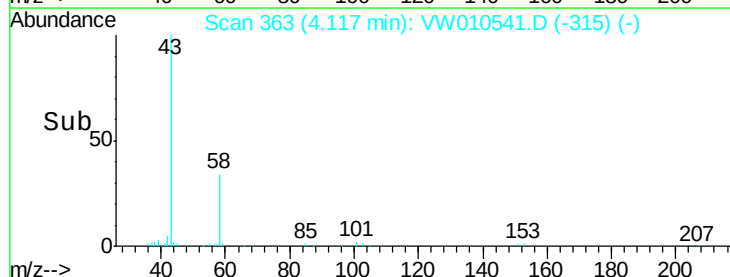
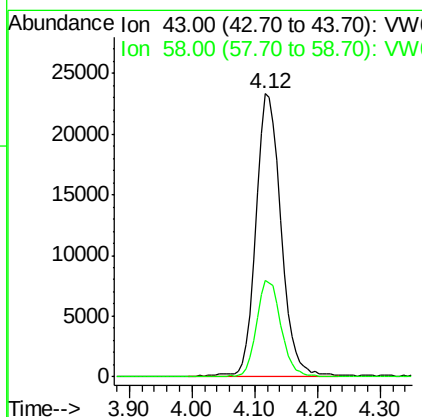
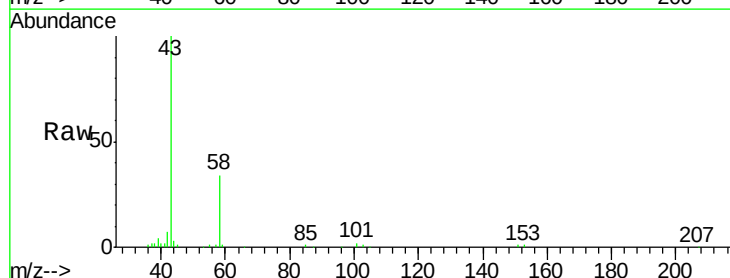
RT: 4.12 min Scan# 363

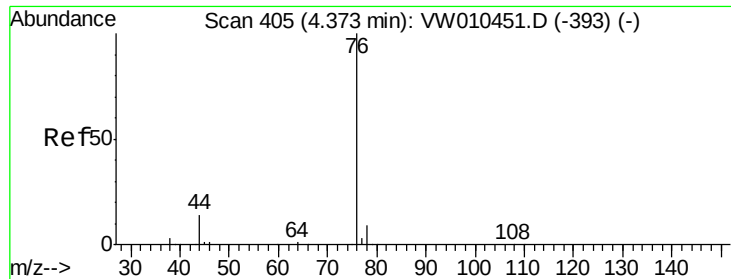
Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion:	43	Resp:	65103
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.0	40.4





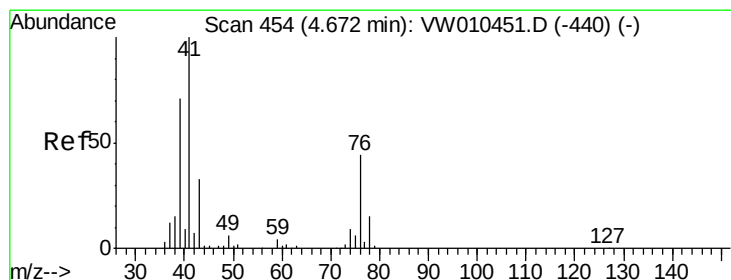
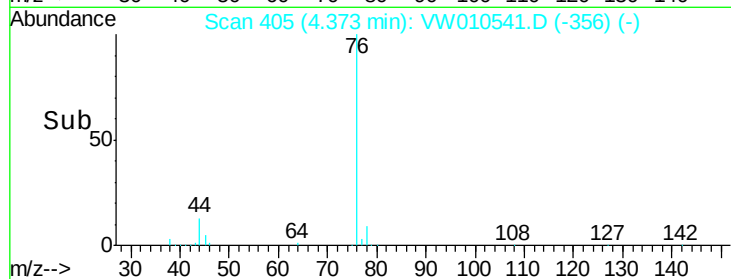
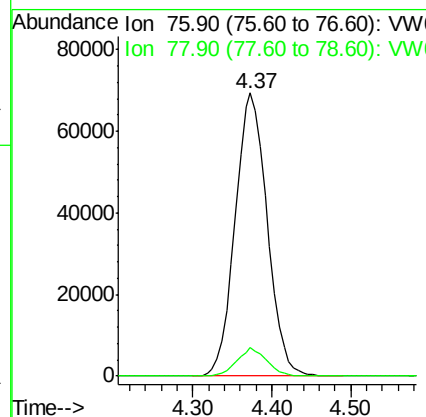
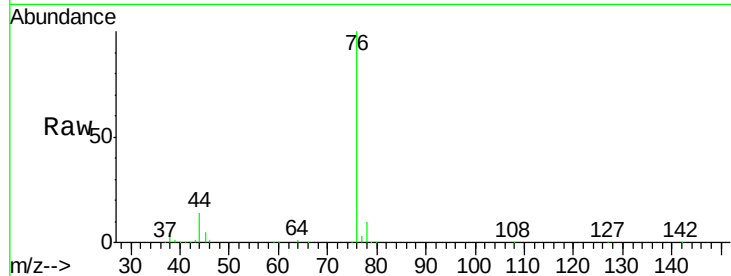
#17
Carbon Disulfide
Concen: 45.685 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.1	10.7

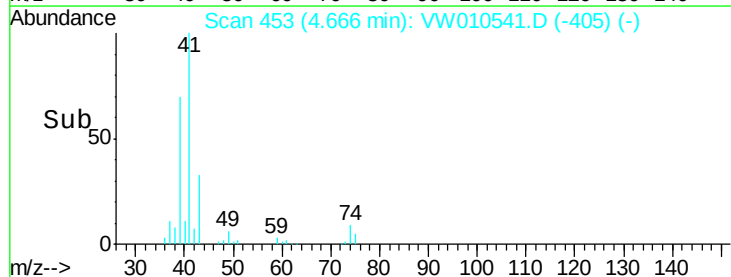
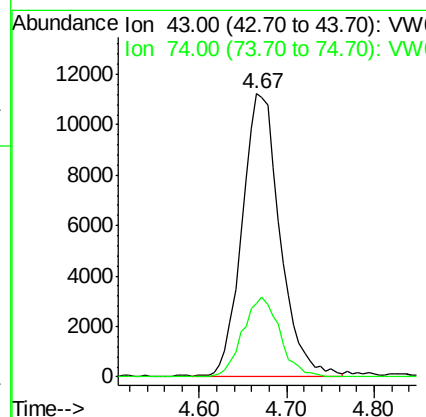
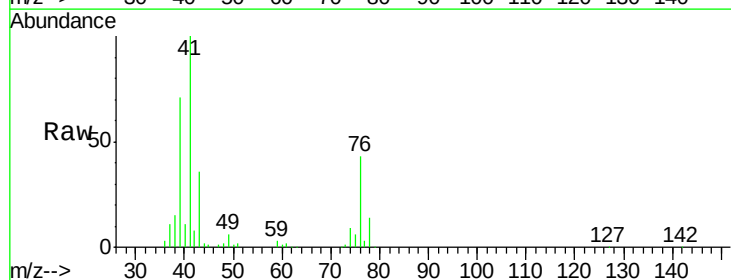
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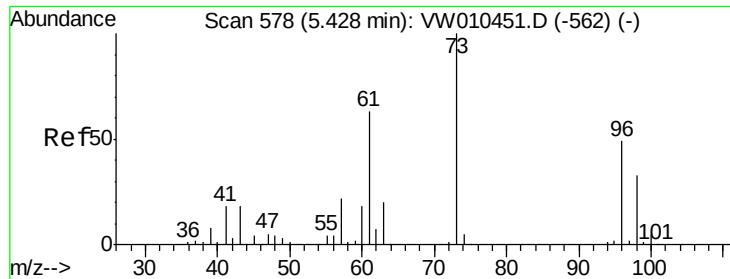
MMDadoda
5/24/2019 11:00:00 AM



#18
Methyl Acetate
Concen: 48.421 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	21.6	32.4





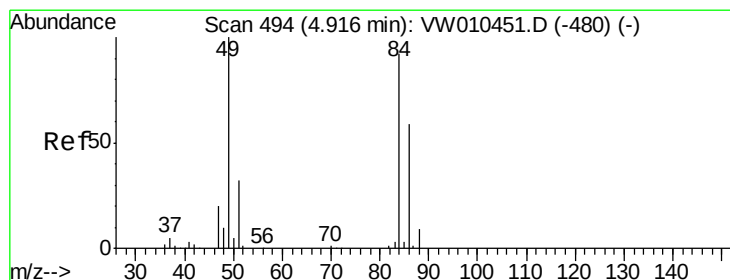
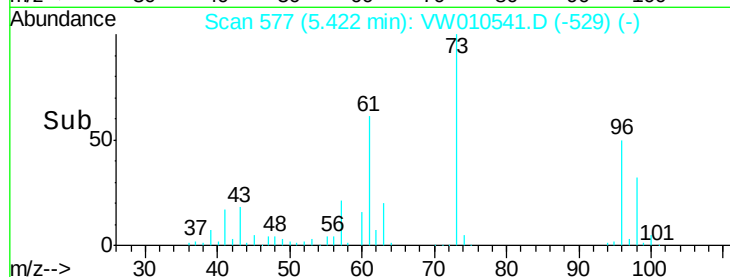
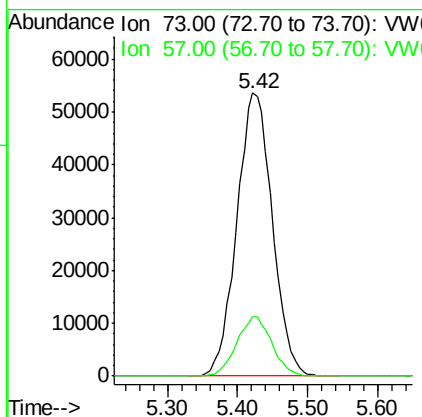
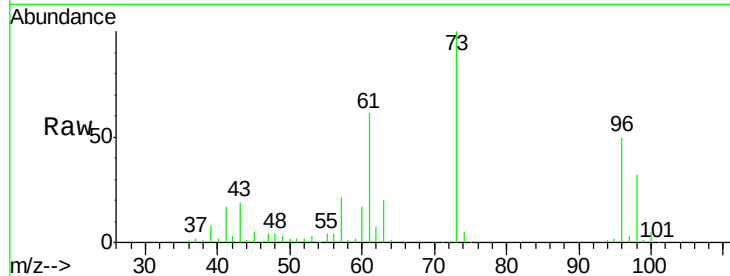
#19
Methyl tert-butyl Ether
Concen: 51.398 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0

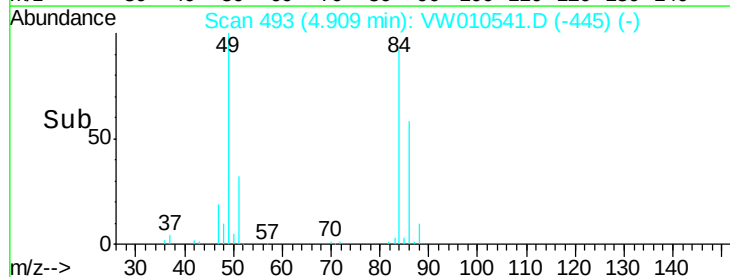
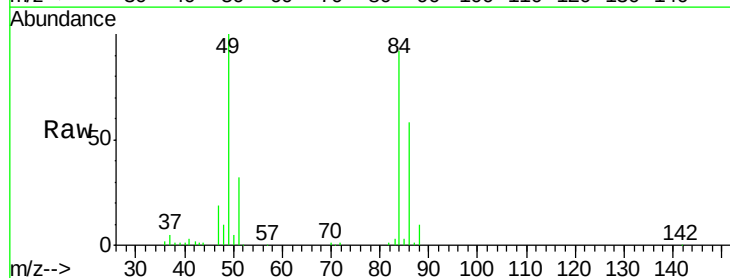
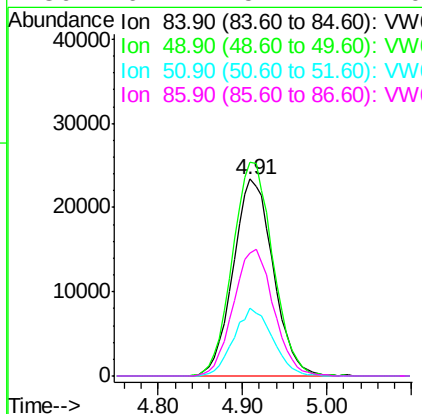
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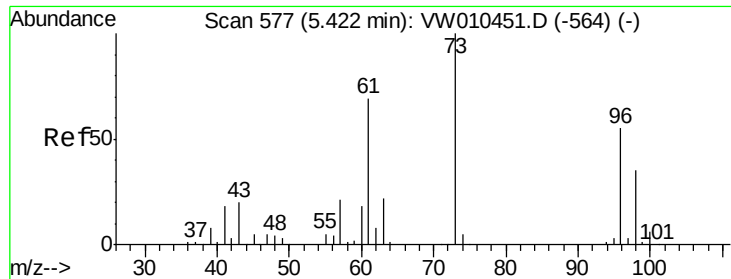
MMDadoda
5/24/2019 11:00:00 AM



#20
Methylene Chloride
Concen: 44.221 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.5	87.2	130.8
51	34.7	27.7	41.5
86	62.4	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 48.781 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

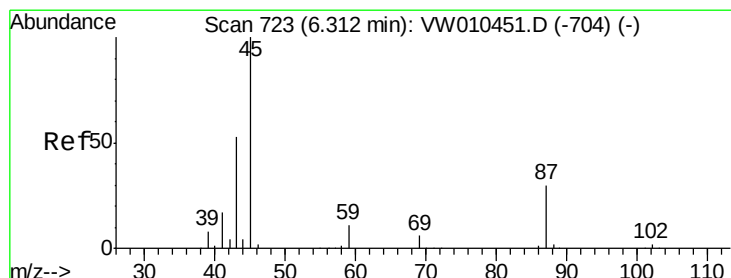
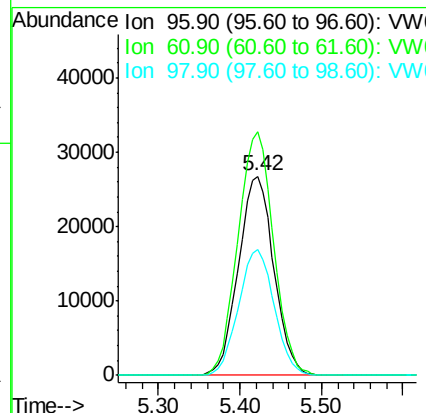
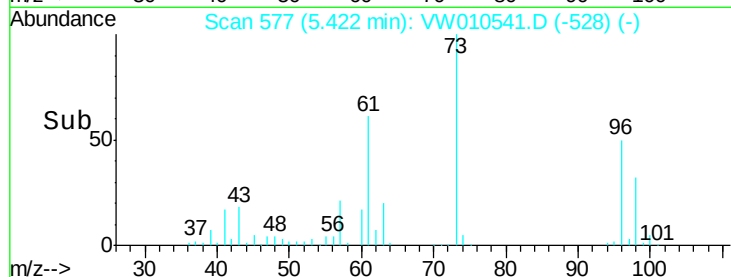
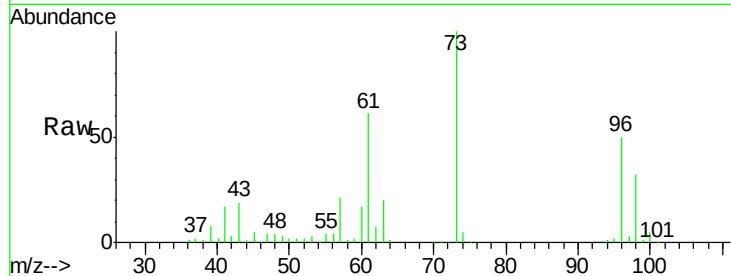
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	80550
Ion	Ratio	Lower	Upper
96	100		
61	122.3	101.4	152.0
98	63.1	50.6	76.0

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#22

Diisopropyl ether

Concen: 48.755 ug/l

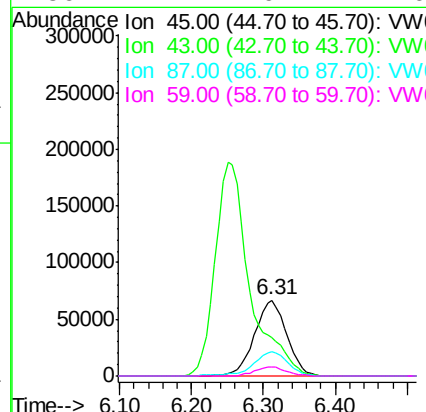
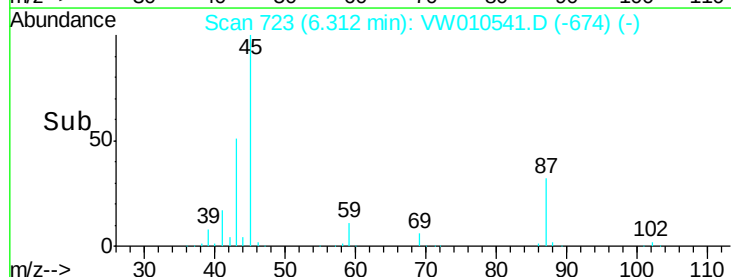
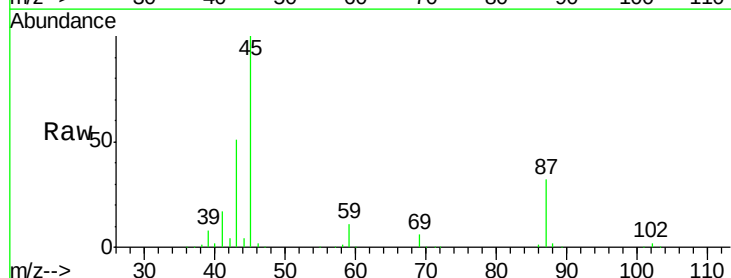
RT: 6.31 min Scan# 723

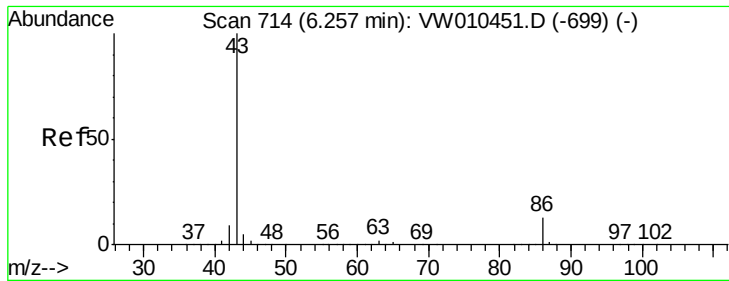
Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion:	45	Resp:	208322
Ion	Ratio	Lower	Upper
45	100		
43	50.4	42.9	64.3
87	32.3	24.6	36.8
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 246.888 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tot Ion: 43 Resp: 630138

Ion Ratio Lower Upper

43 100

86 12.7 10.3 15.5

Instrument :

MSVOA_W

ClientSampleId :

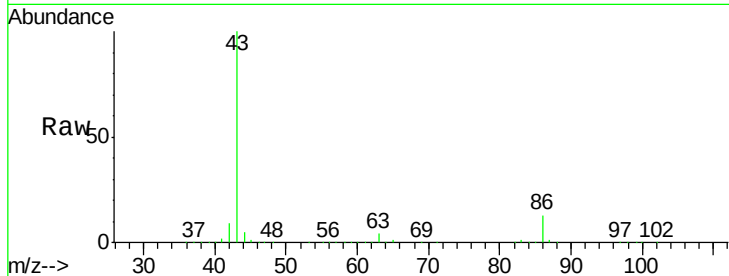
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

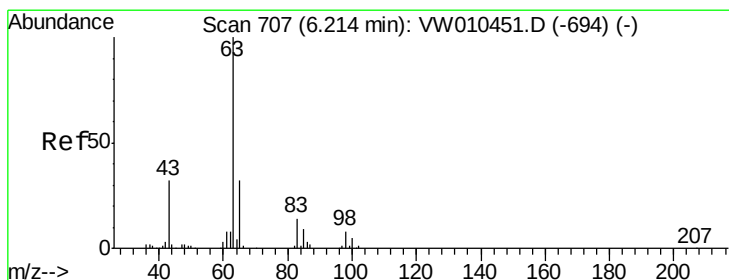
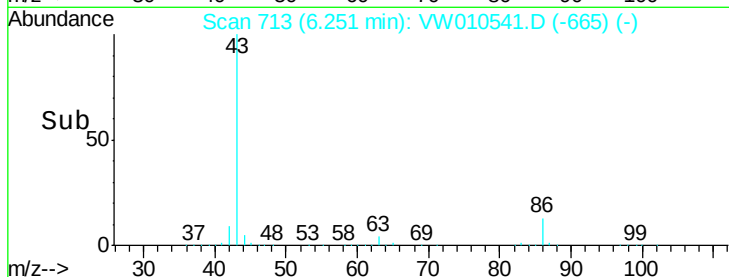
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.588 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

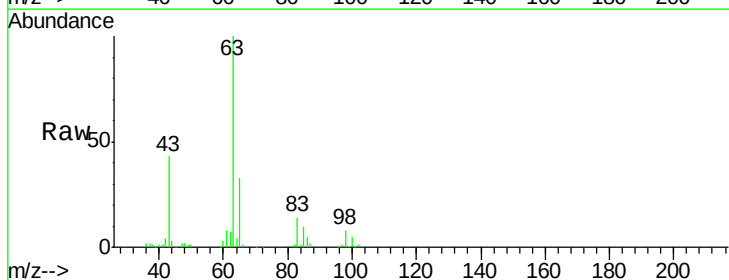
Tgt Ion: 63 Resp: 126440

Ion Ratio Lower Upper

63 100

98 8.5 3.8 11.2

100 4.7 2.5 7.4



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

6.21

50000

40000

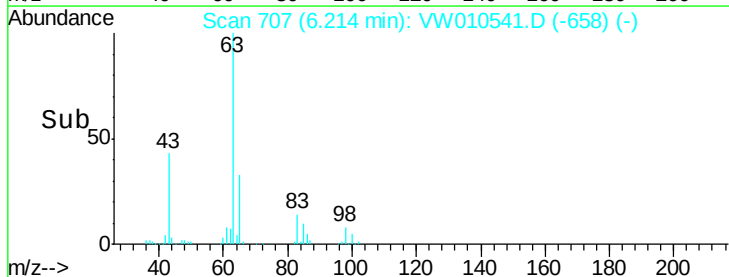
30000

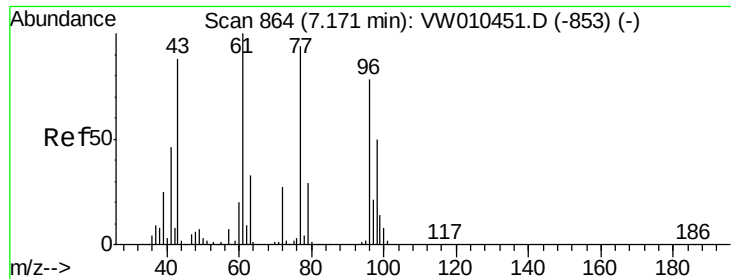
20000

10000

0

Time-->





#25

2-Butanone

Concen: 249.844 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 102671

Ion Ratio Lower Upper

43 100

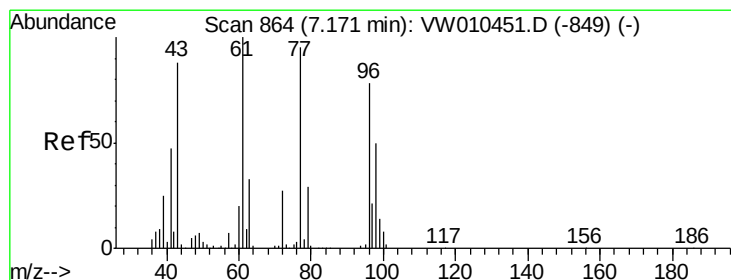
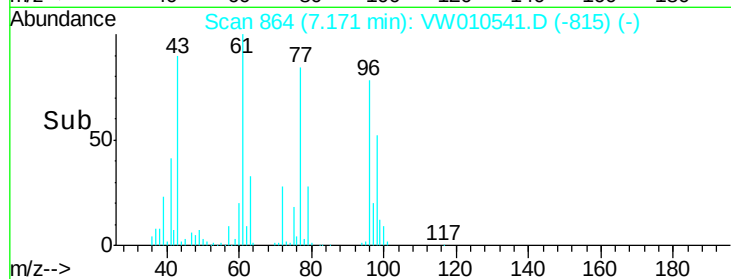
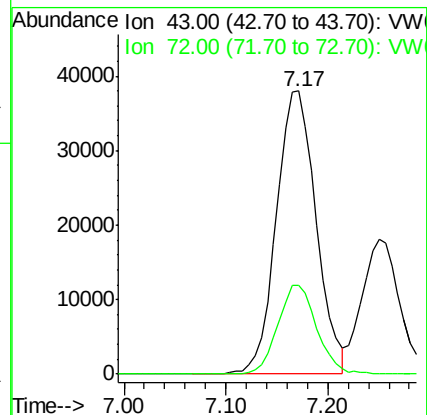
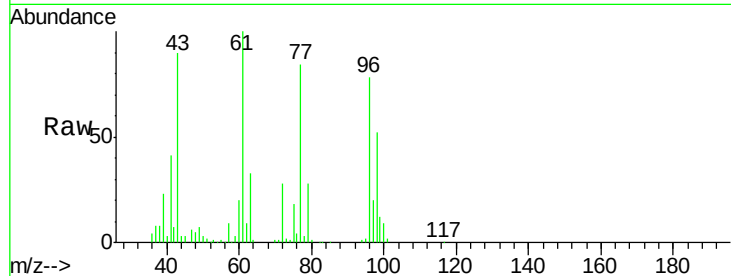
72 31.5 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.736 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010541.D

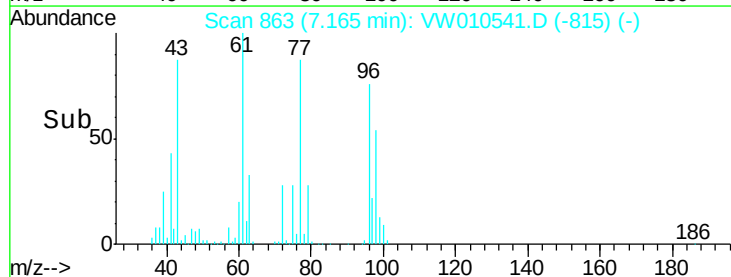
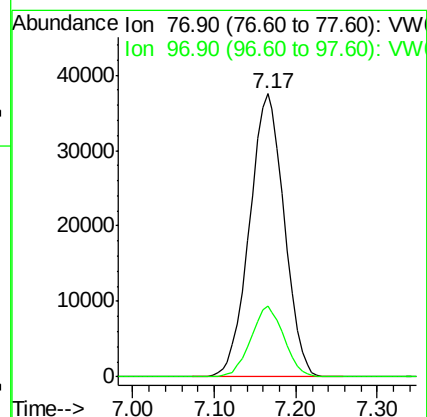
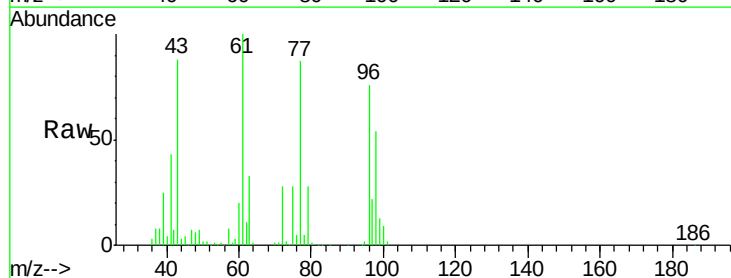
Acq: 23 May 2019 21:15

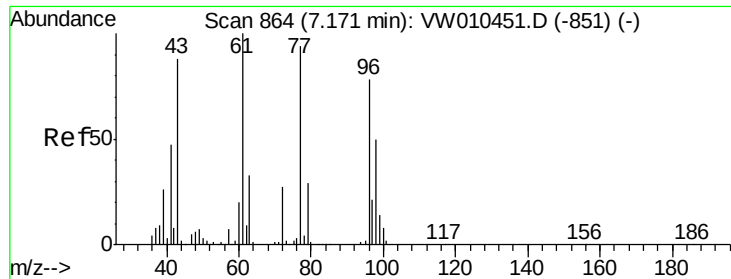
Tgt Ion: 77 Resp: 111086

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

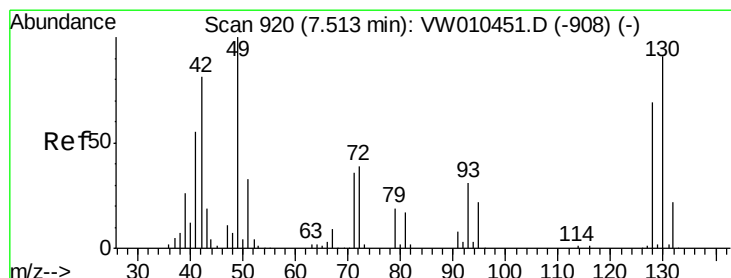
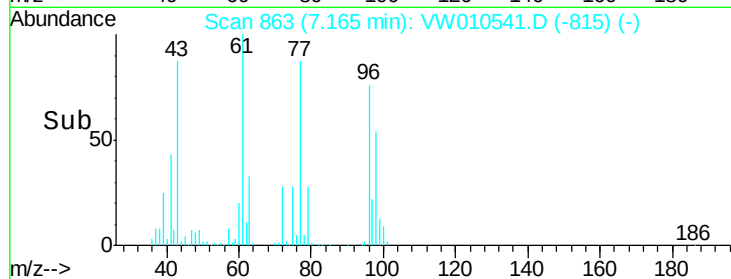
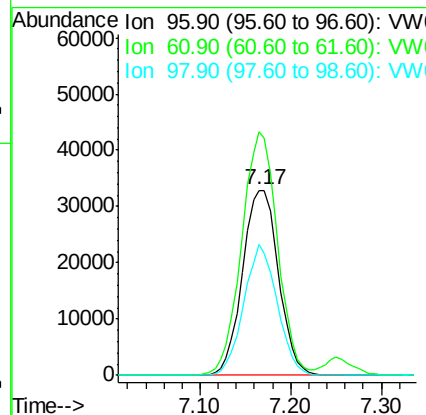
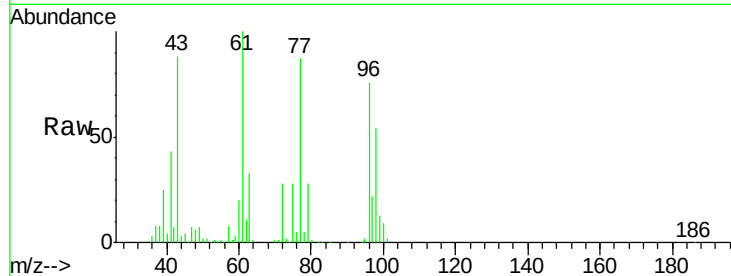
cis-1,2-Dichloroethene
Concen: 50.401 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	0.0	265.4
98	65.4	0.0	129.4

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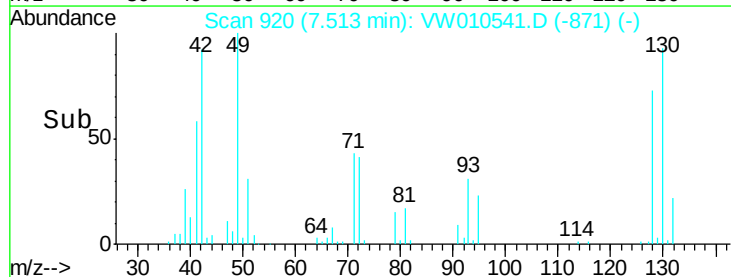
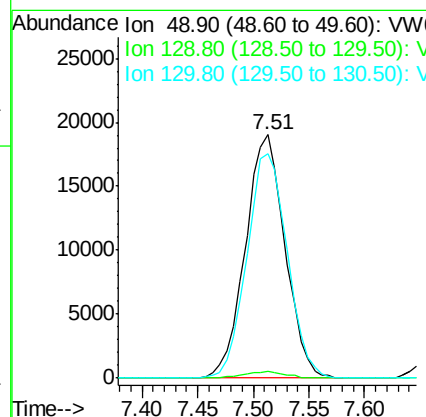
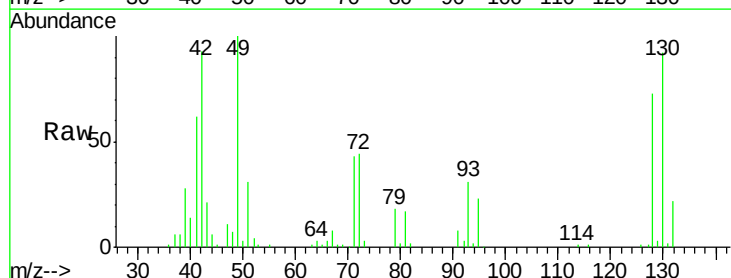
MMDadoda
5/24/2019 11:00:00 AM

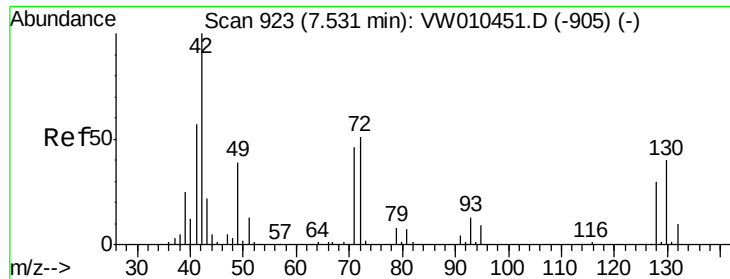


#28

Bromochloromethane
Concen: 51.526 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	94.1	71.2	106.8





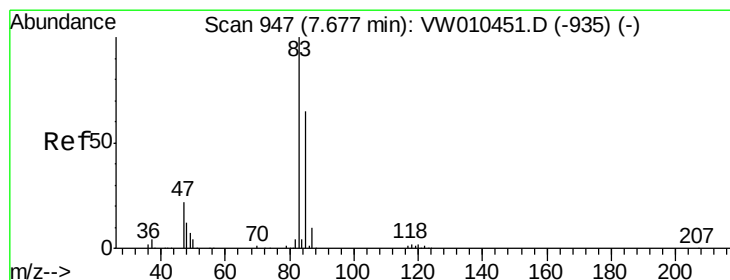
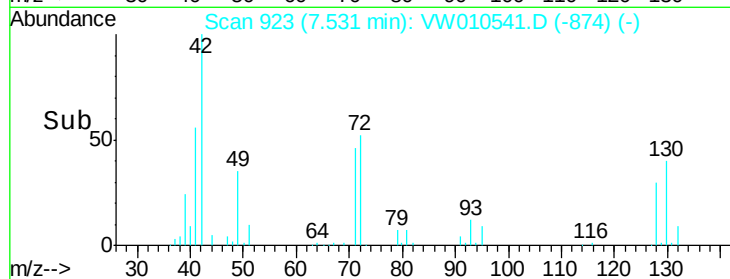
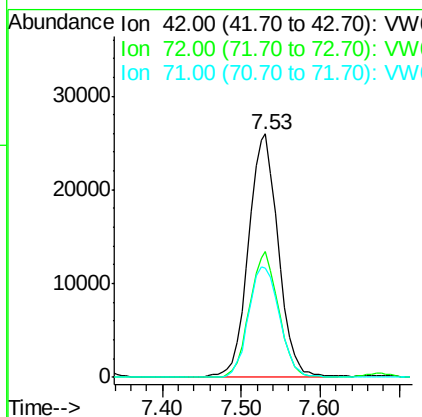
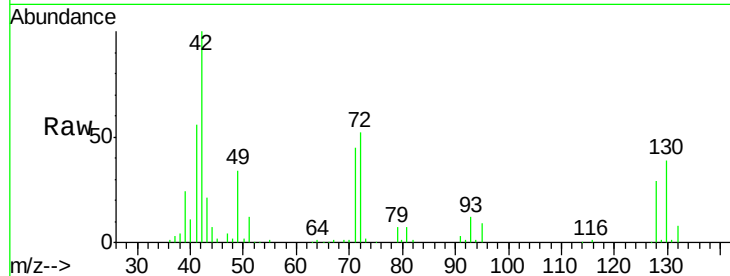
#29
Tetrahydrofuran
Concen: 245.183 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	38.5	57.7
71	47.2	36.5	54.7

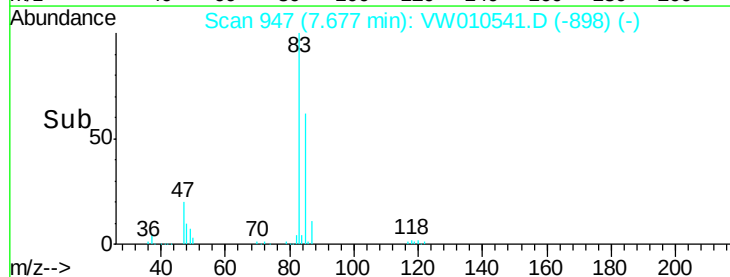
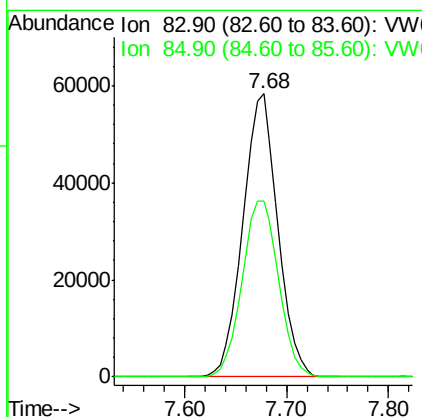
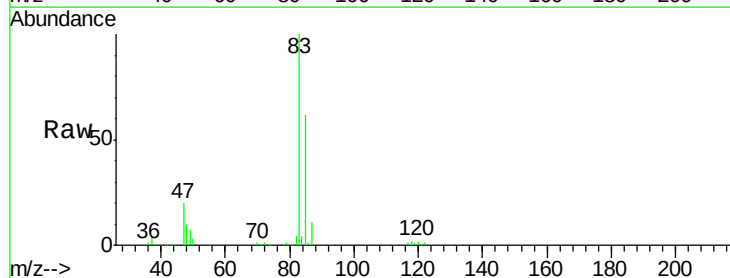
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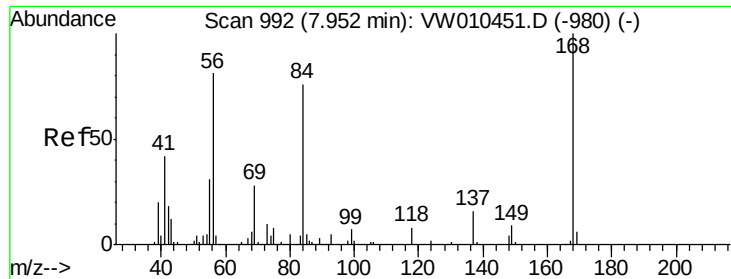
MMDadoda
5/24/2019 11:00:00 AM



#30
Chloroform
Concen: 50.494 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.2	78.4





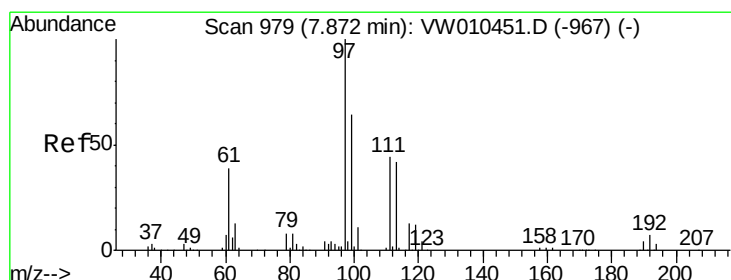
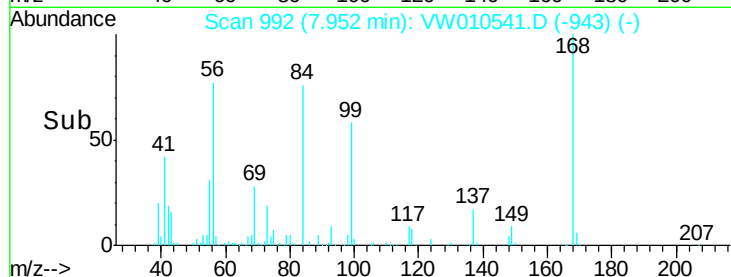
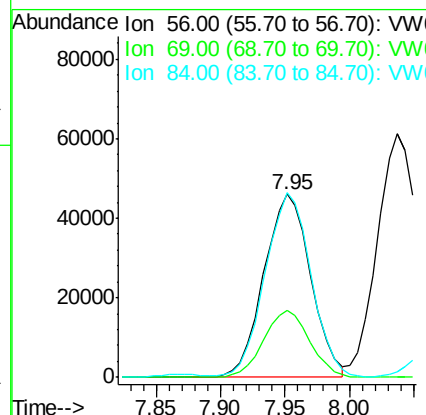
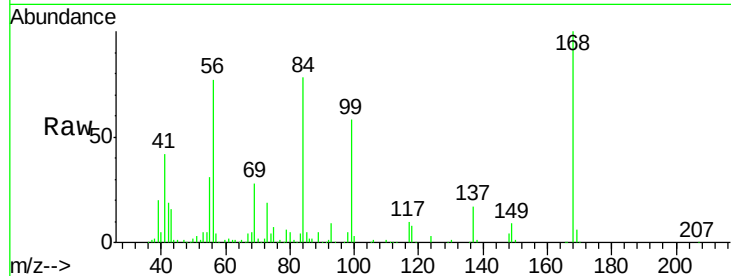
#31
Cyclohexane
Concen: 43.360 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	28.2	42.2
84	99.7	75.8	113.8

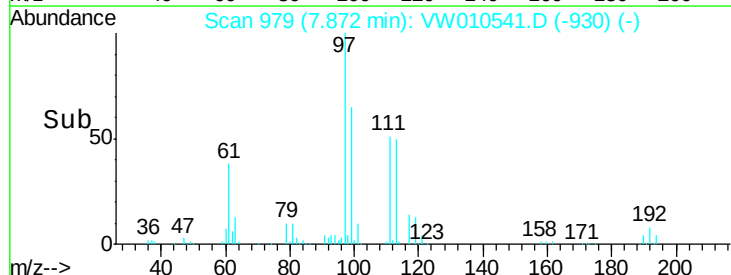
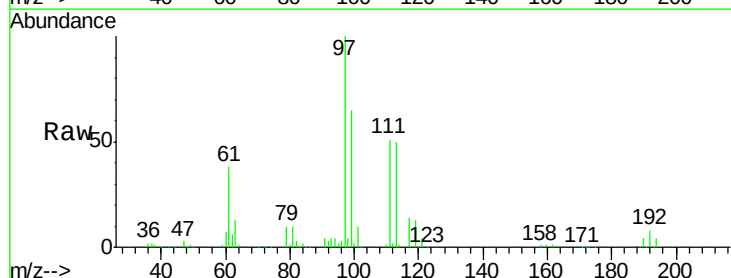
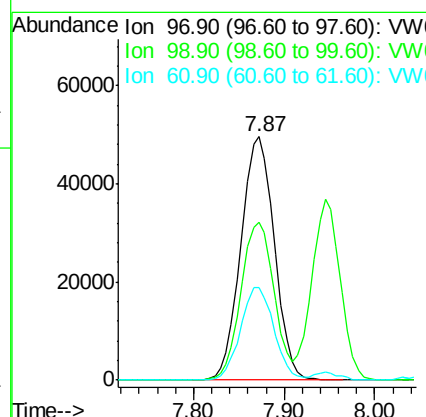
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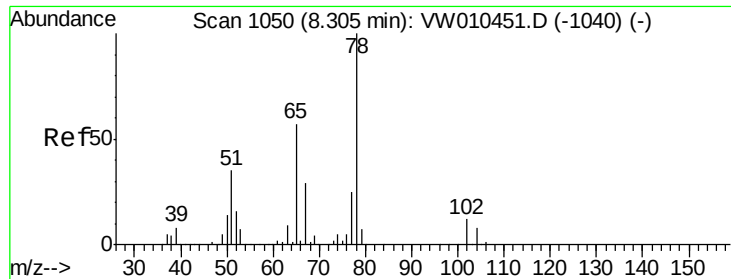
MMDadoda
5/24/2019 11:00:00 AM



#32
1,1,1-Trichloroethane
Concen: 48.268 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.8	76.2
61	38.1	32.1	48.1





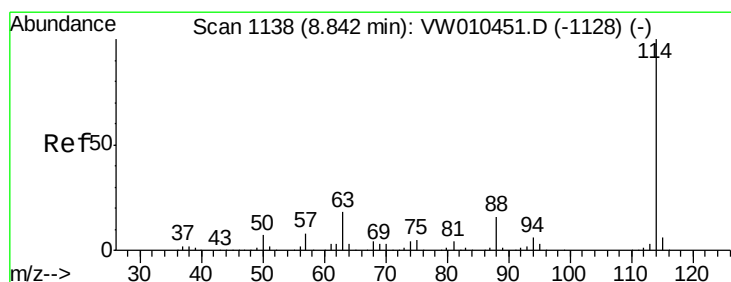
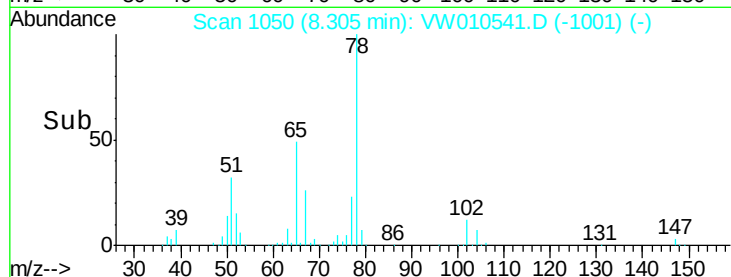
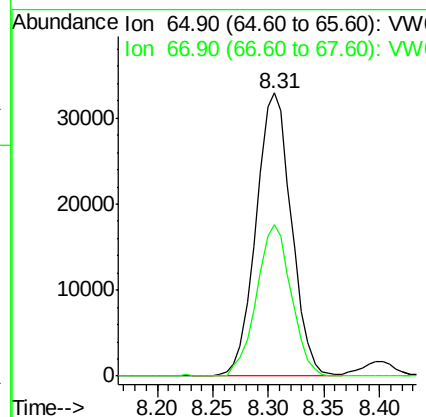
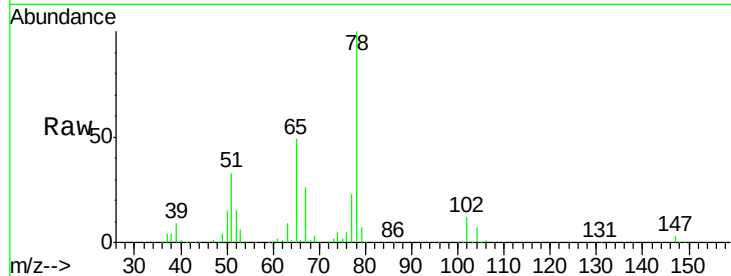
#33
 1,2-Dichloroethane-d4
 Concen: 51.830 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.6

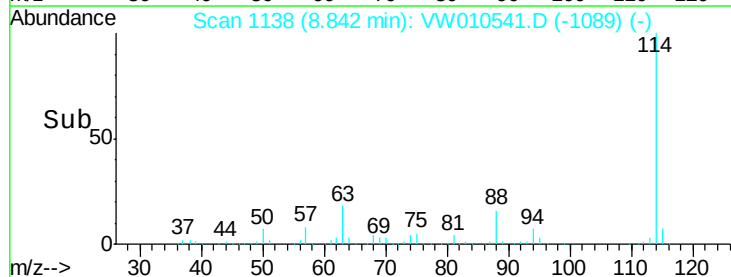
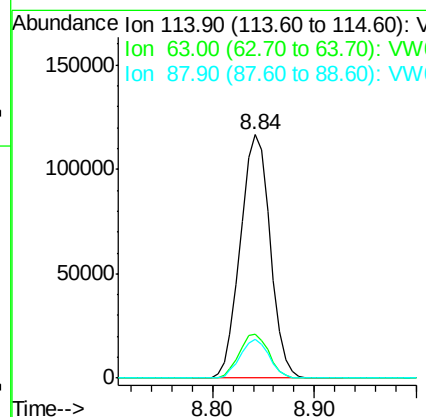
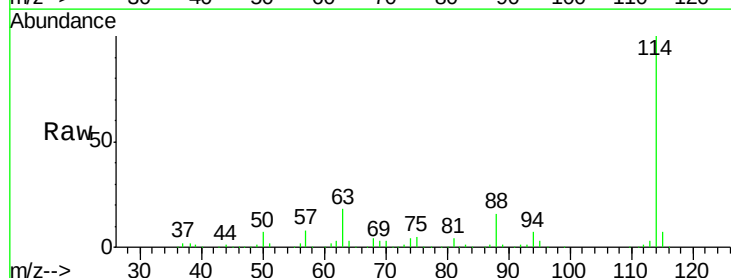
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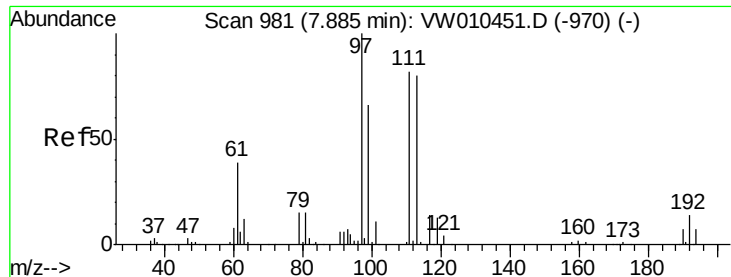
MMDadoda
 5/24/2019 11:00:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.0
88	16.0	0.0	32.0





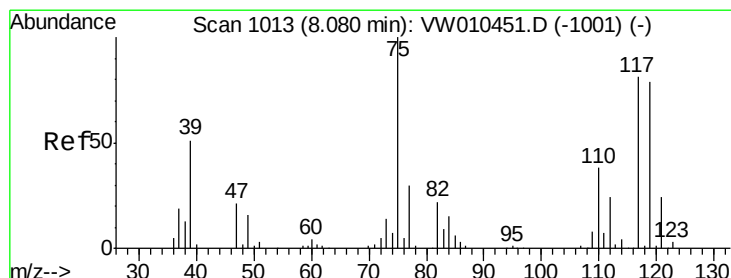
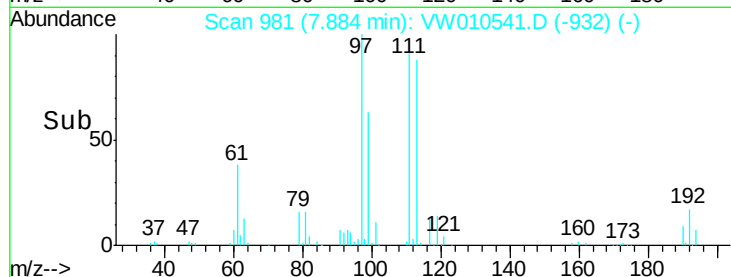
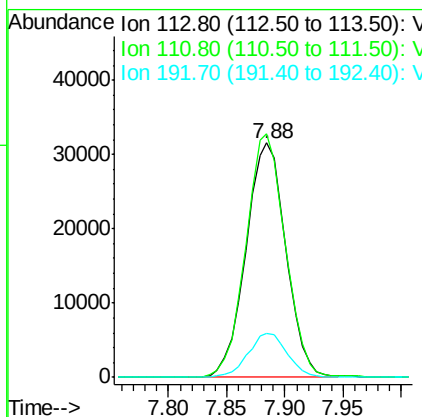
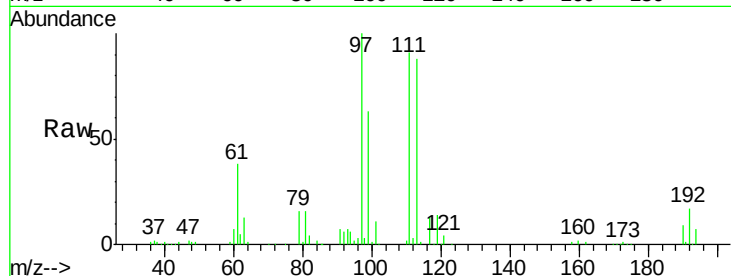
#35
 Dibromofluoromethane
 Concen: 52.351 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	18.5	14.3	21.5

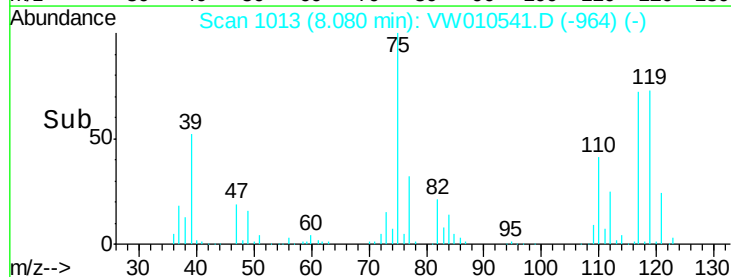
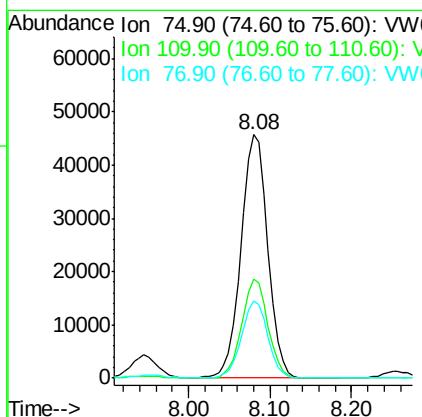
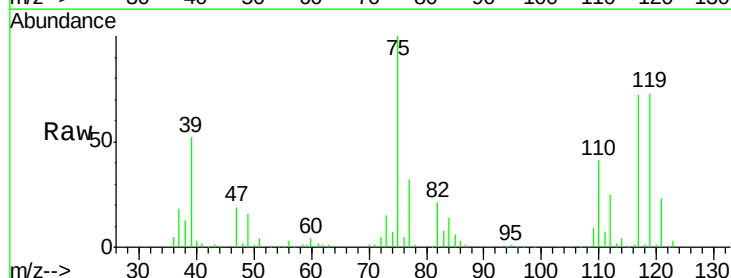
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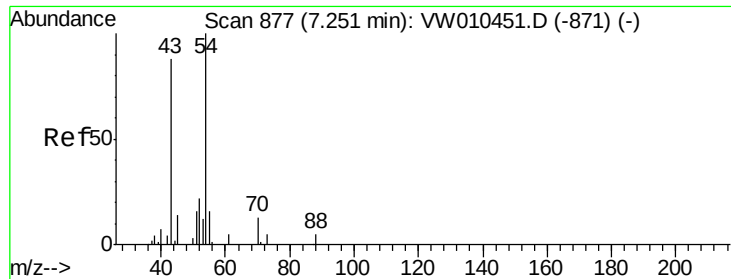
MMDadoda
 5/24/2019 11:00:00 AM



#36
 1,1-Dichloropropene
 Concen: 47.193 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	19.2	57.6
77	31.1	25.2	37.8





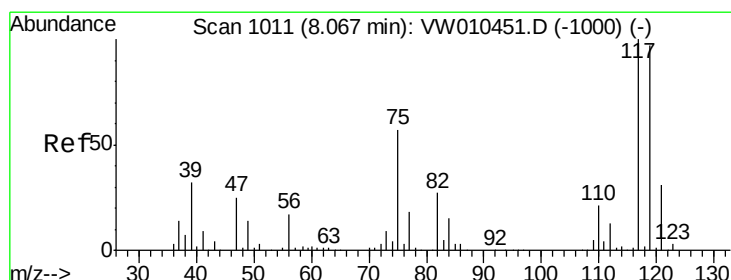
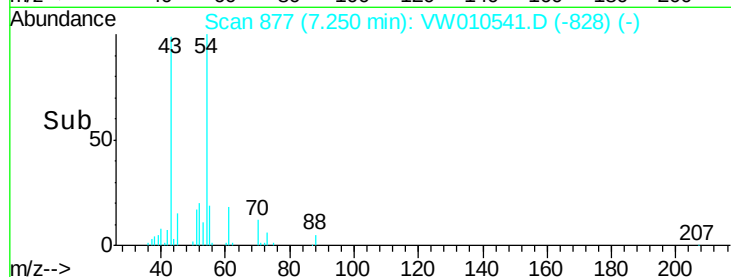
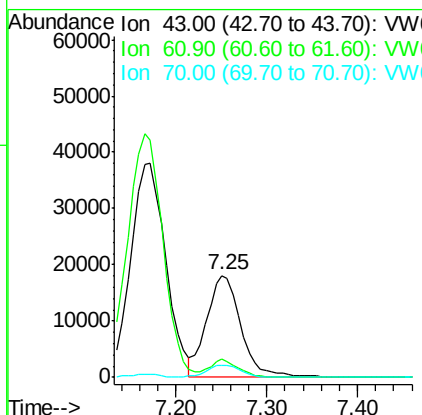
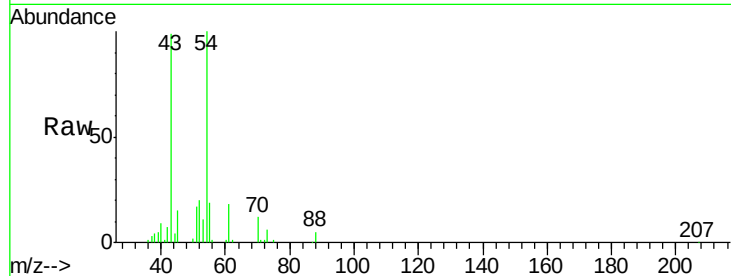
#37
Ethyl Acetate
Concen: 50.574 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.2	16.8
70	12.5	9.9	14.9

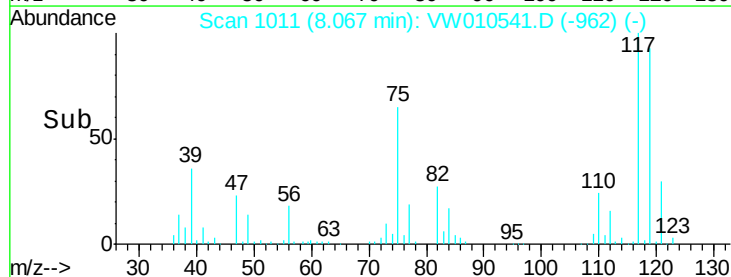
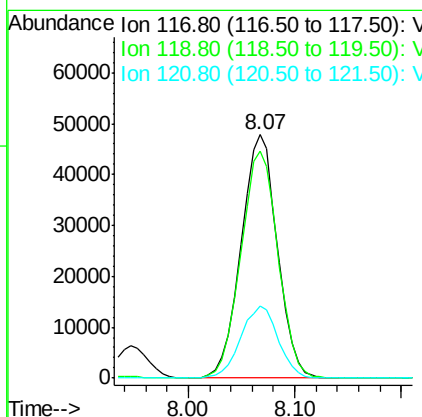
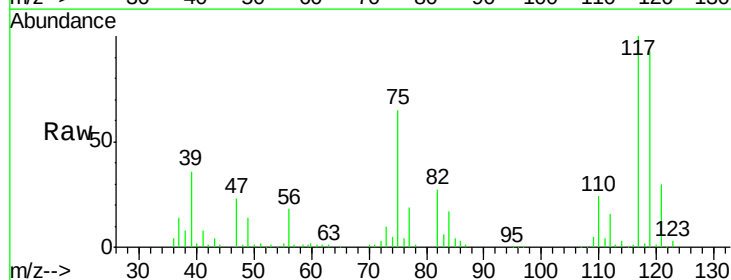
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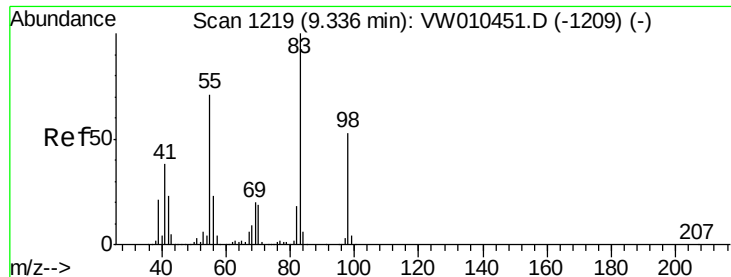
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#38
Carbon Tetrachloride
Concen: 47.980 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.4	116.0
121	29.8	25.0	37.6





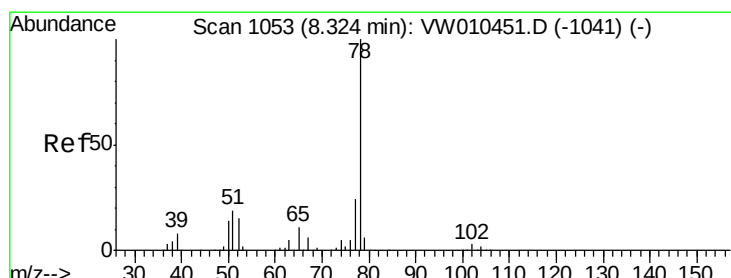
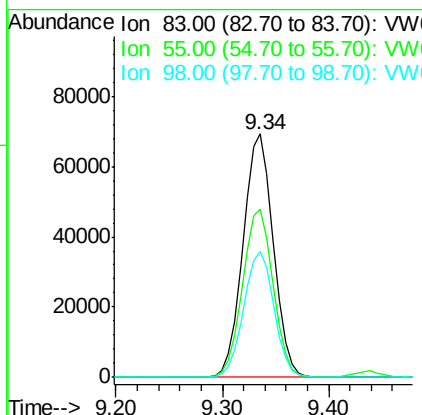
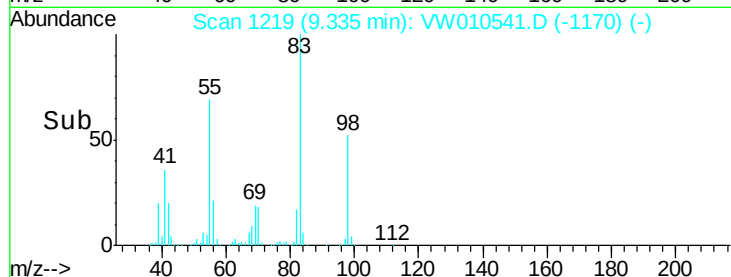
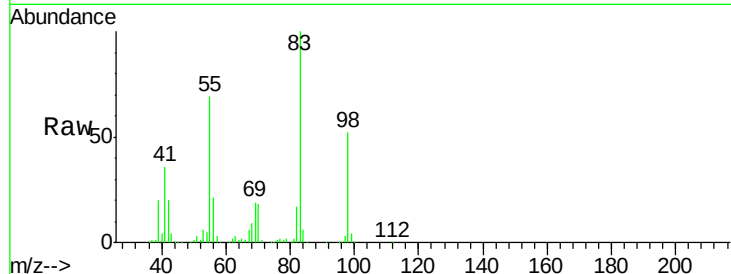
#39
Methylvlcyclohexane
Concen: 46.919 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	138413
Ion Ratio	Lower	Upper	
83	100		
55	69.1	57.0	85.6
98	51.6	42.0	63.0

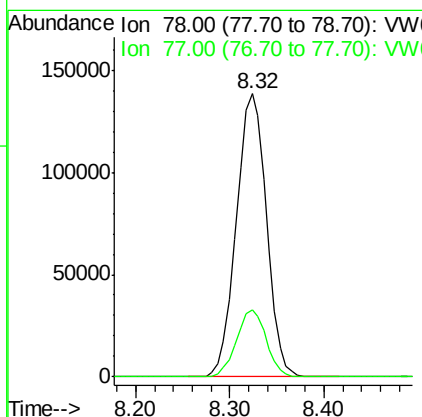
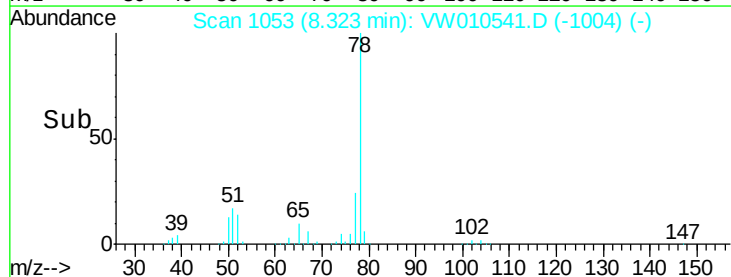
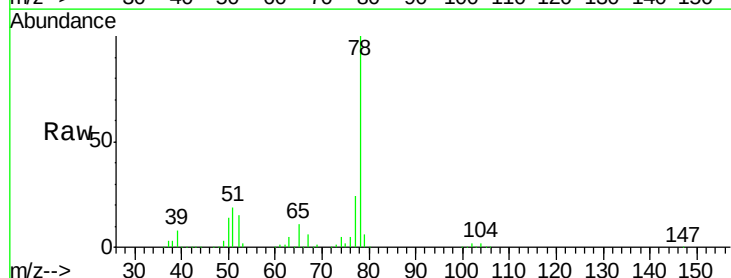
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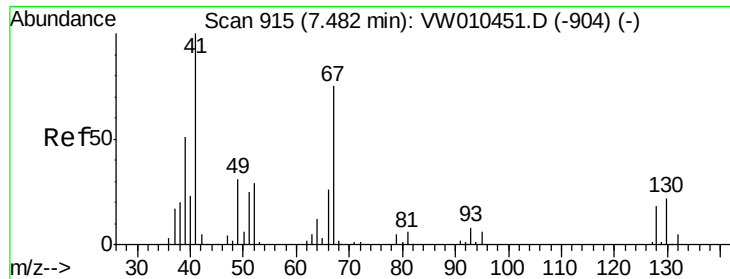
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#40
Benzene
Concen: 50.487 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	78	Resp	308987
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.9	28.3





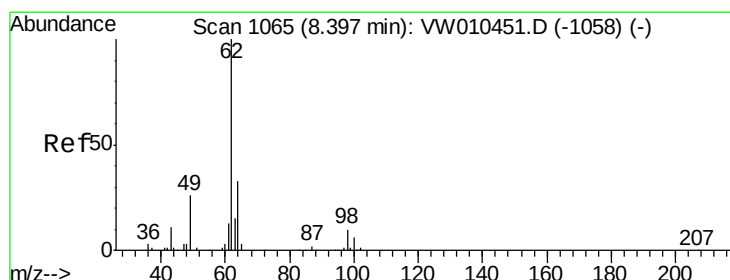
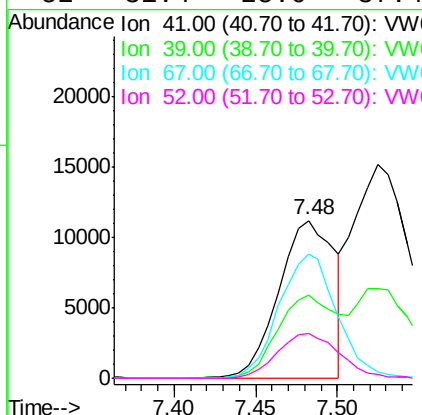
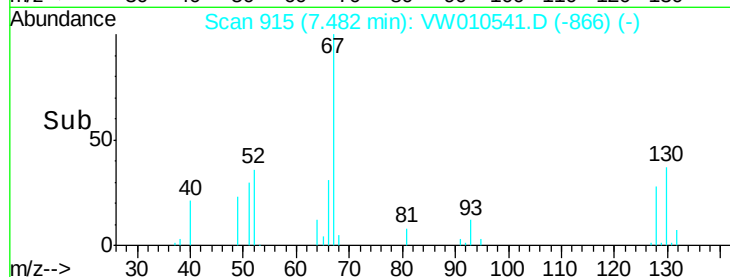
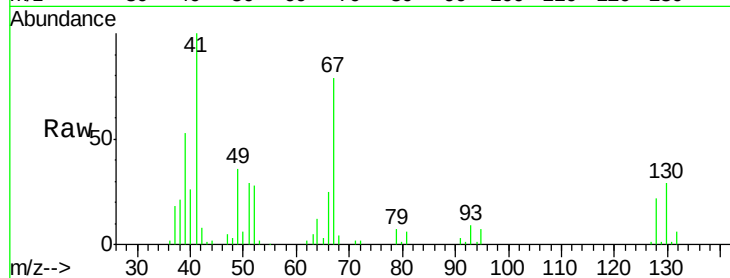
#41
Methacrylonitrile
Concen: 47.760 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	26572
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.4	71.2
67	82.1	65.5	98.3
52	31.4	25.0	37.4

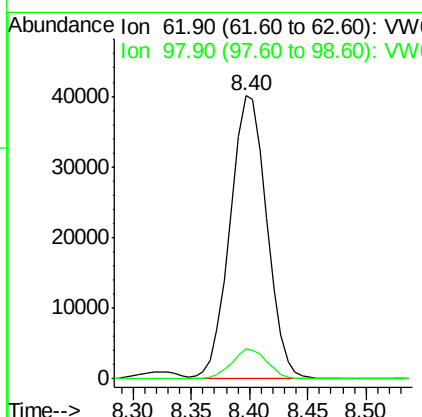
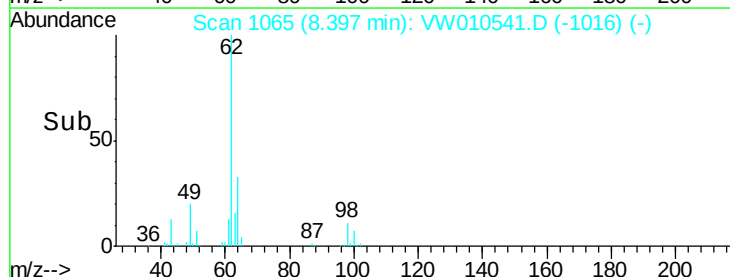
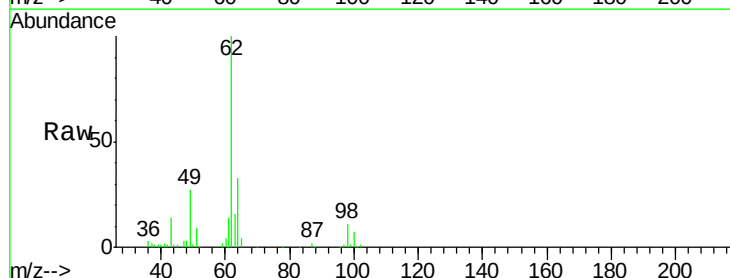
Manual Integrations
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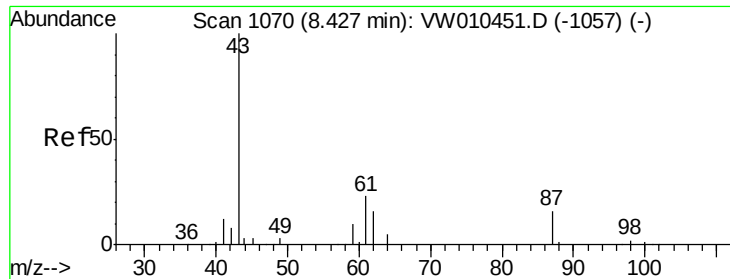
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#42
1,2-Dichloroethane
Concen: 50.479 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	62	Resp	88297
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 49.308 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

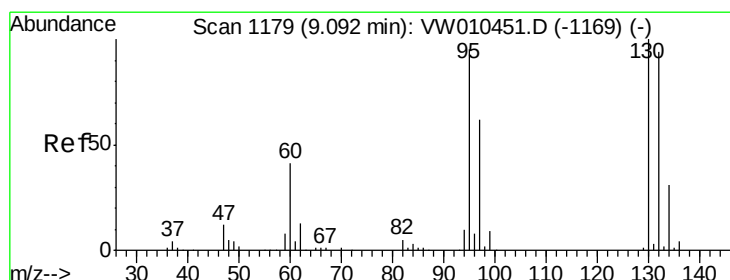
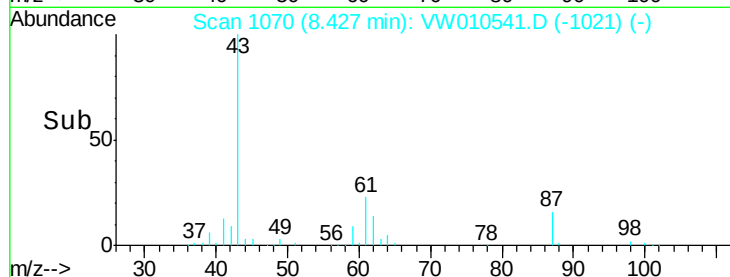
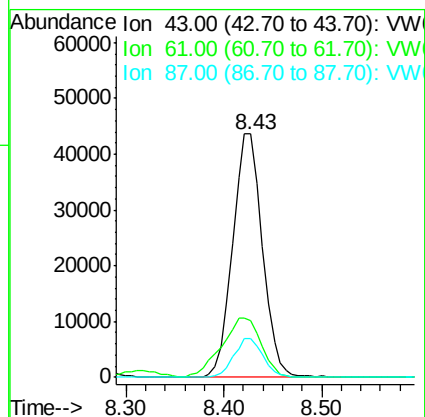
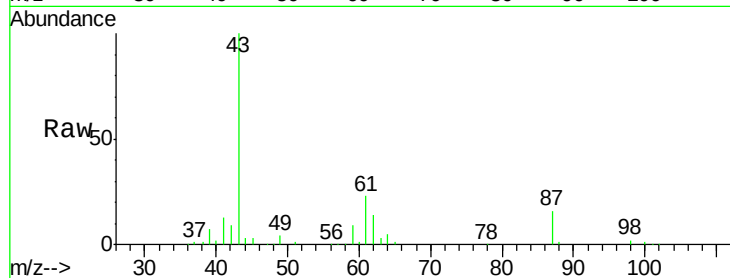
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	92237
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.4	38.2
87	15.7	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 50.292 ug/l

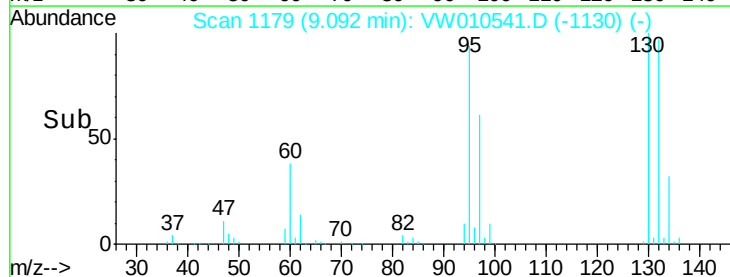
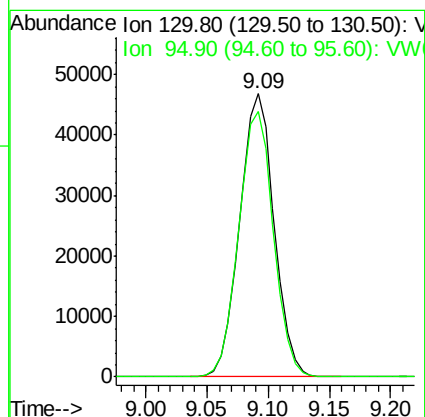
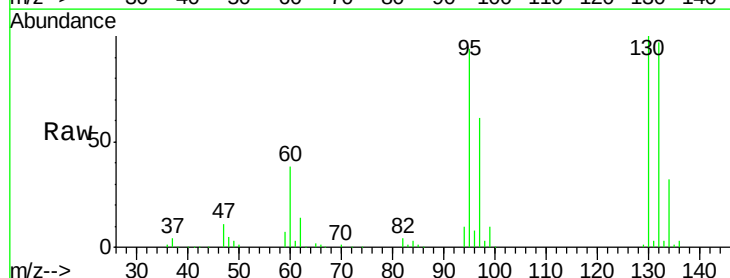
RT: 9.09 min Scan# 1179

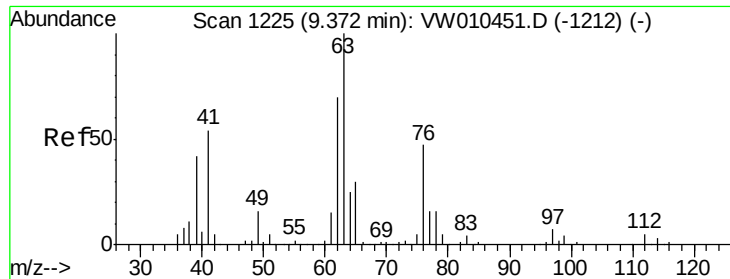
Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion:	130	Resp:	91376
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	189.6





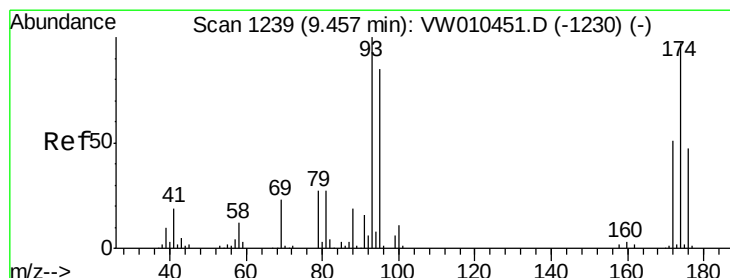
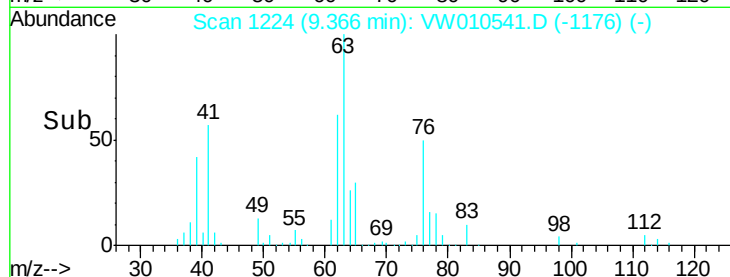
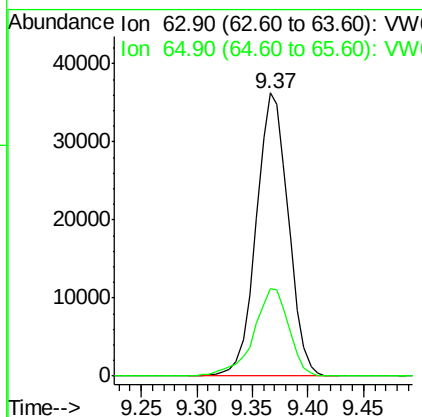
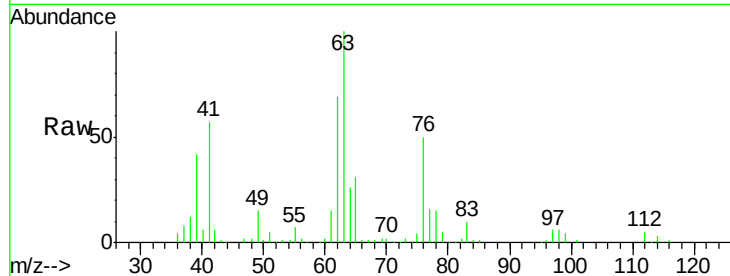
#45
 1,2-Dichloropropane
 Concen: 50.081 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.3	36.5

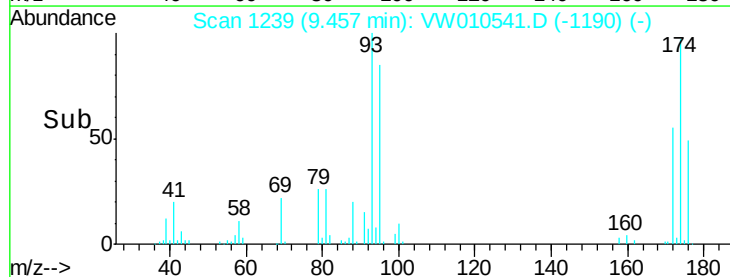
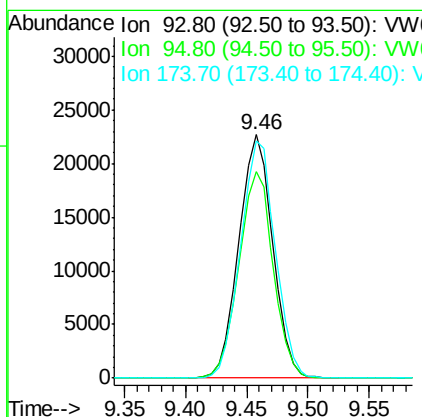
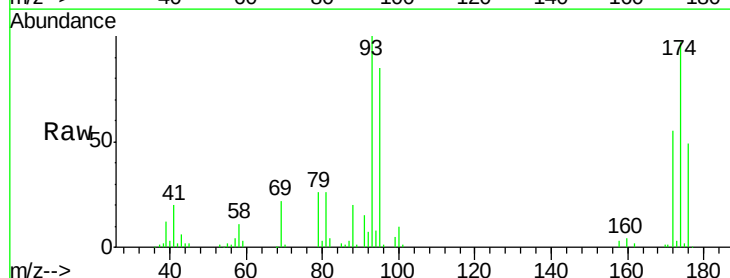
Manual Integrations
 APPROVED

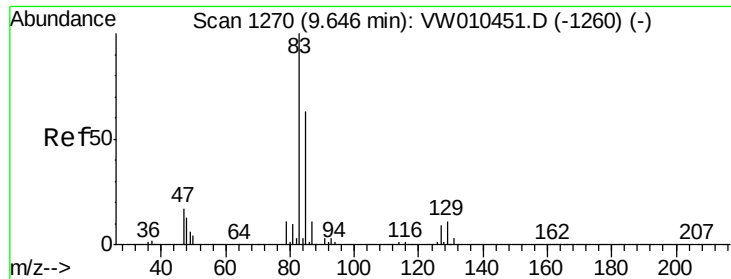
MMDadoda
 5/24/2019 11:00:00 AM



#46
 Dibromomethane
 Concen: 51.323 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.9	66.1	99.1
174	100.0	77.1	115.7





#47

Bromodichloromethane

Concen: 49.758 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

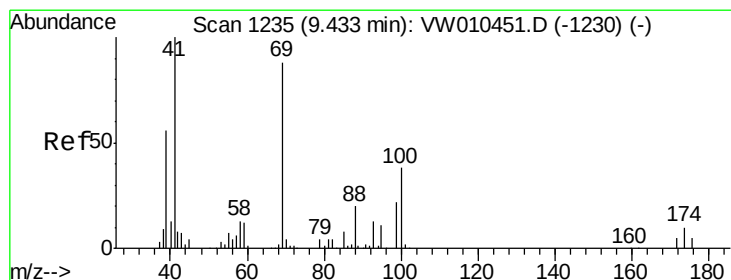
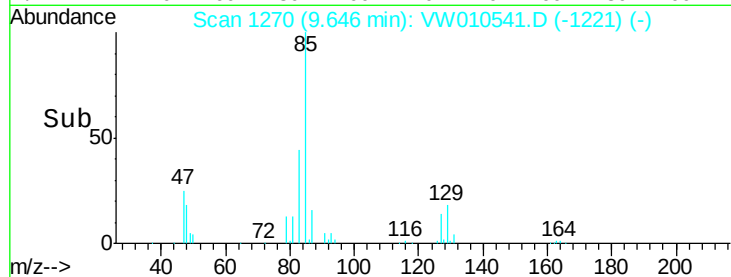
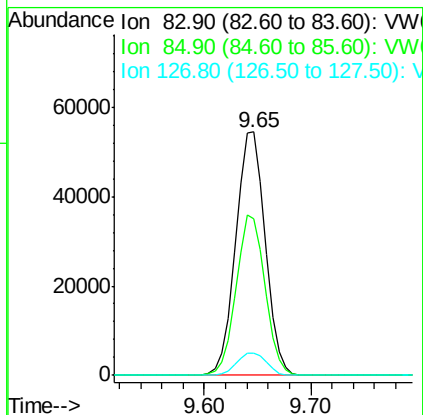
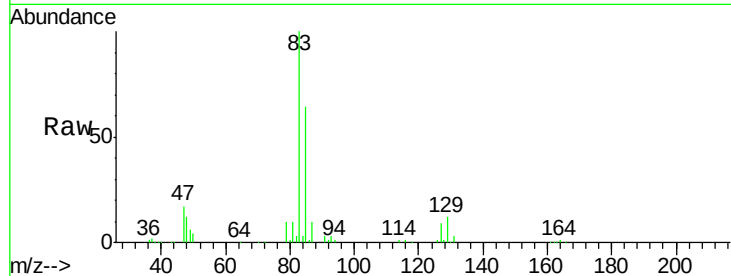
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	106290
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.4	75.6
127	9.1	7.4	11.0

Manual Integrations
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MMDadoda
5/24/2019 11:00:00 AM



#48

Methyl methacrylate

Concen: 48.135 ug/l

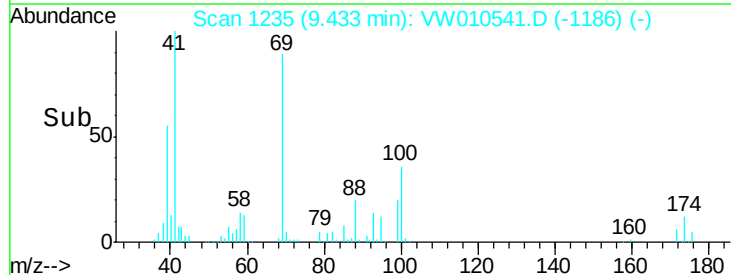
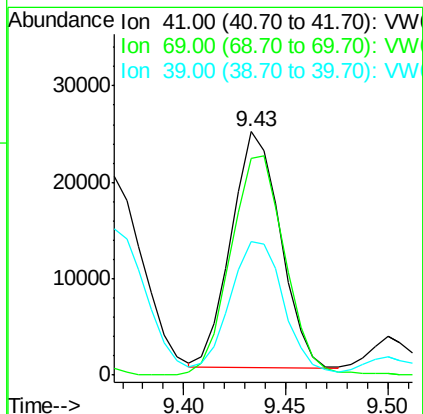
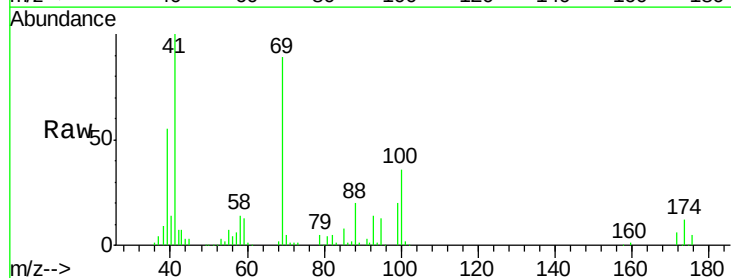
RT: 9.43 min Scan# 1235

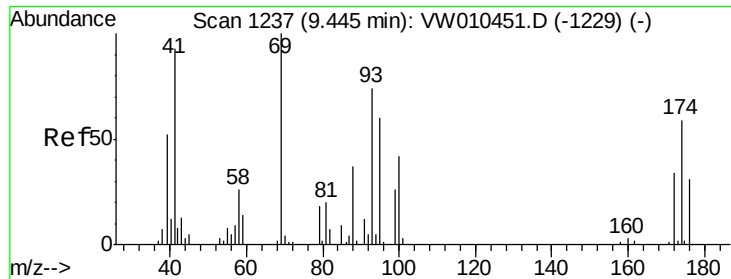
Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion:	41	Resp:	41194
Ion	Ratio	Lower	Upper
41	100		
69	102.6	77.6	116.4
39	62.7	49.8	74.8





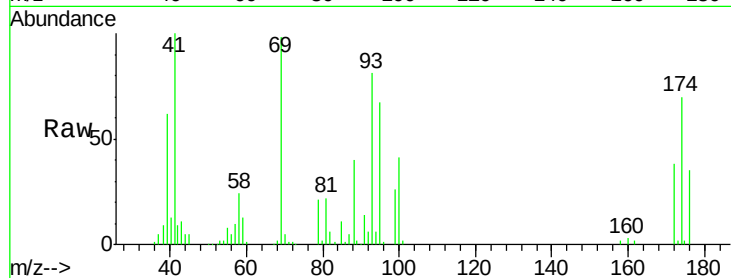
#49
1,4-Dioxane
Concen: 1045.875 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	25.9	38.9
58	61.8	52.7	79.1

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:00:00 AM

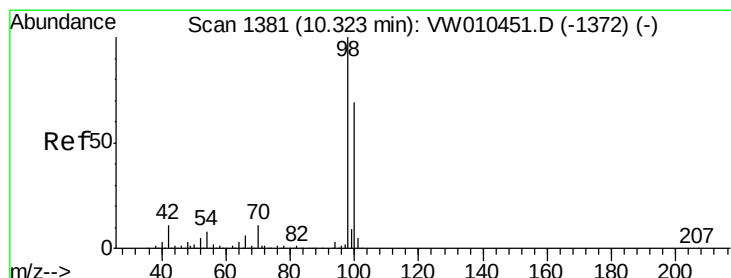
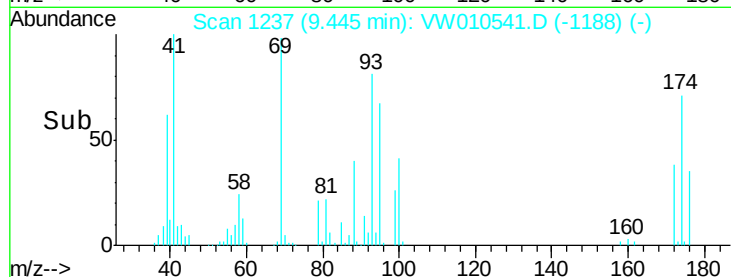
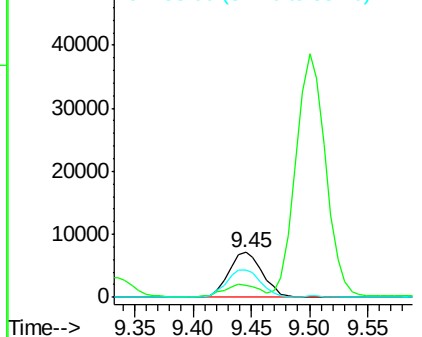


Abundance

Ion 88.00 (87.70 to 88.70): VW

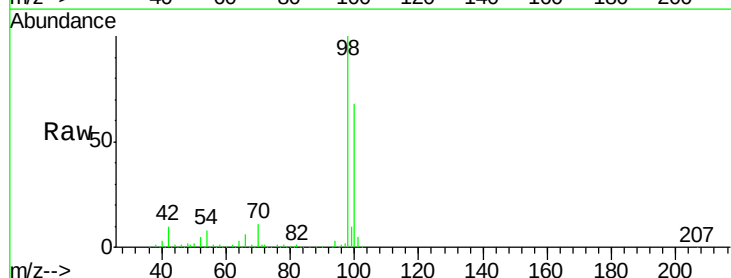
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.511 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

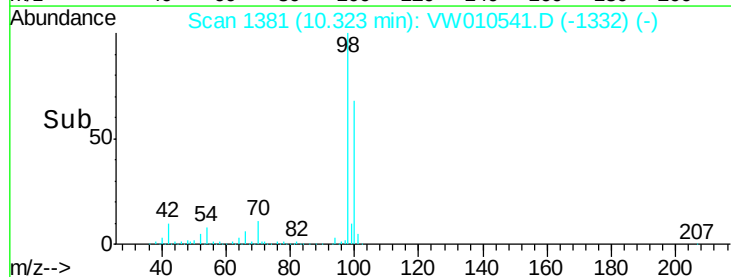
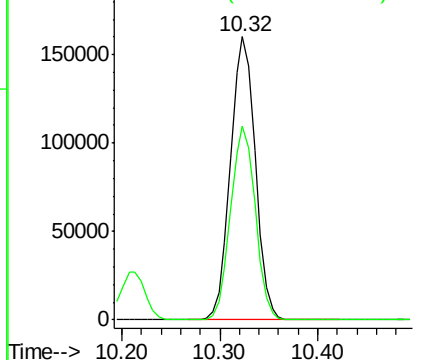
Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.7	80.5

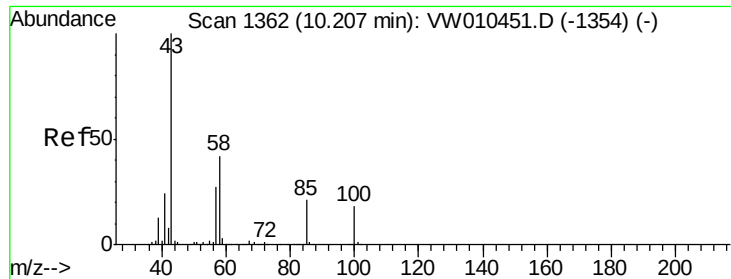


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





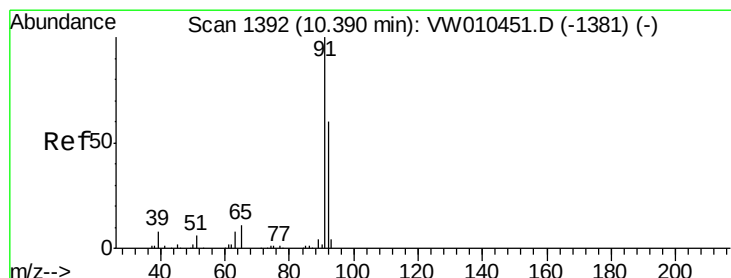
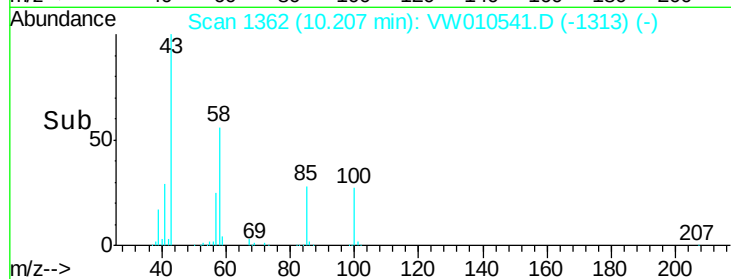
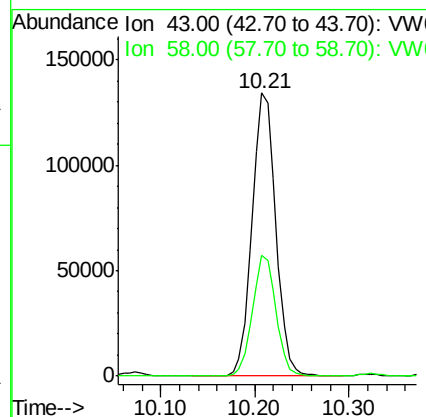
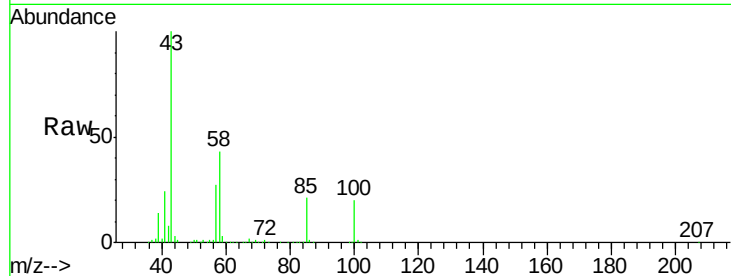
#51
 4-Methyl-2-Pentanone
 Concen: 250.462 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.2	33.2	49.8

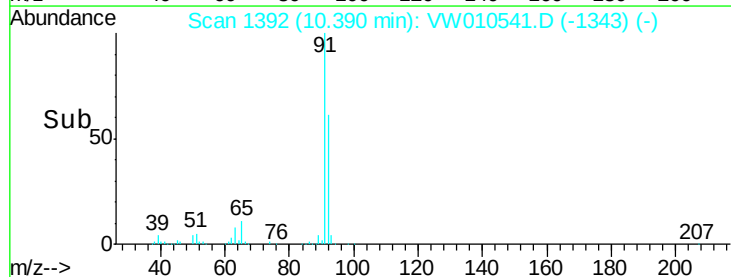
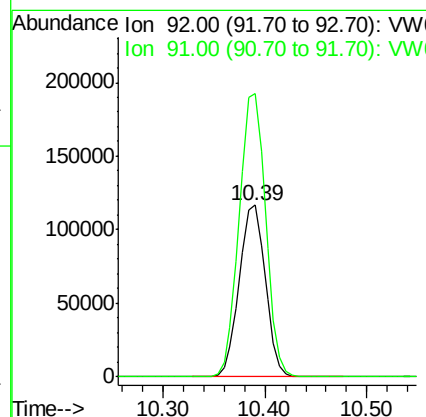
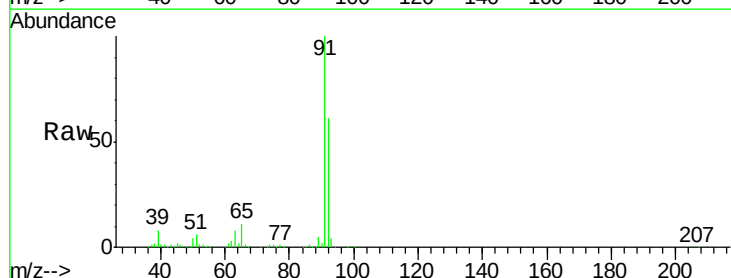
Manual Integrations
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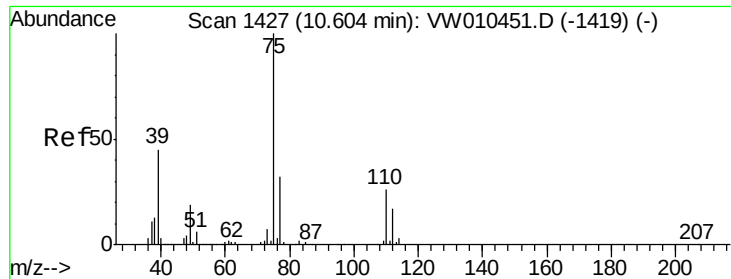
MMDadoda
 5/24/2019 11:00:00 AM



#52
 Toluene
 Concen: 50.172 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.8	135.4	203.0





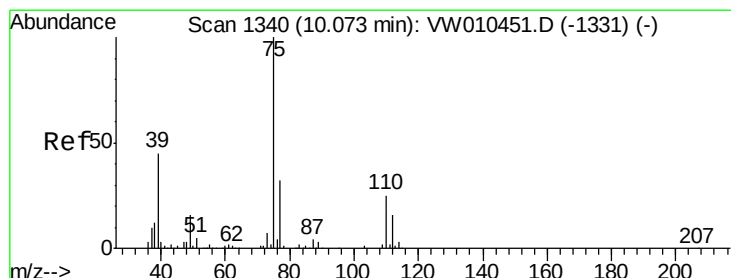
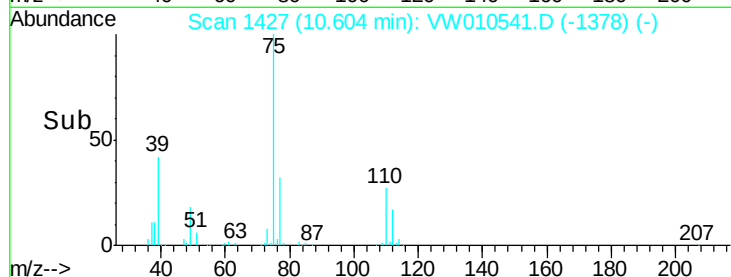
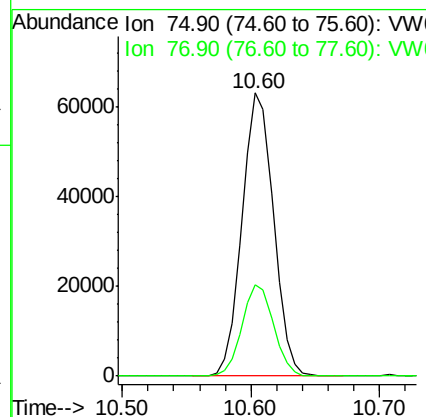
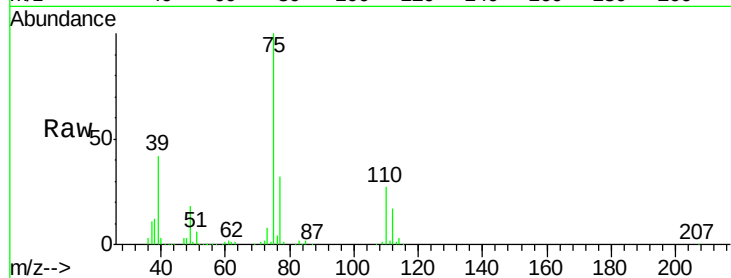
#53
t-1,3-Dichloropropene
Concen: 49.219 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0

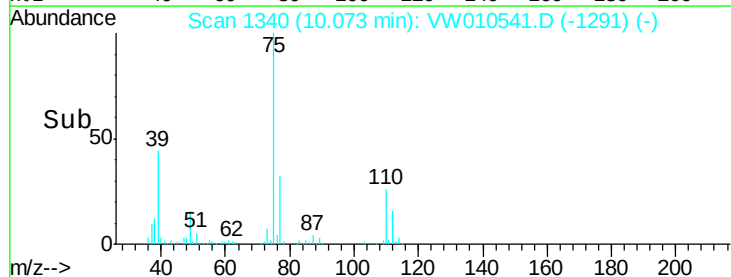
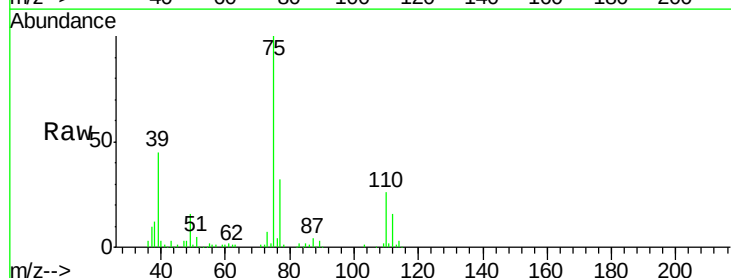
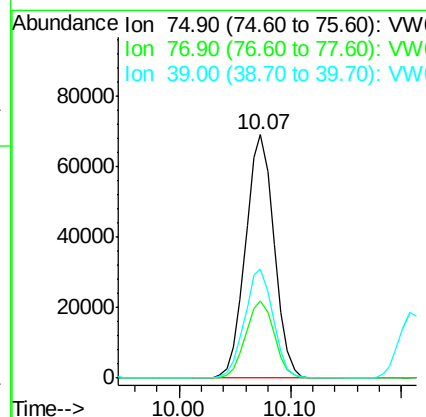
Manual Integrations
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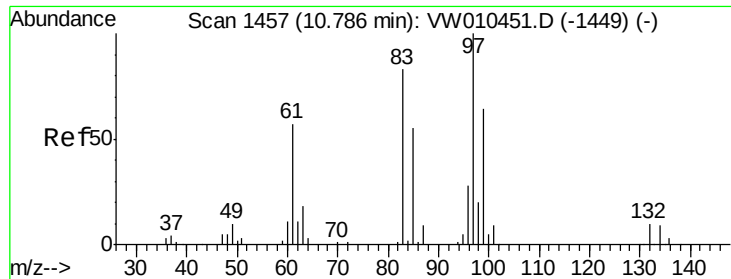
MMDadoda
5/24/2019 11:00:00 AM



#54
cis-1,3-Dichloropropene
Concen: 49.727 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	44.5	36.2	54.4





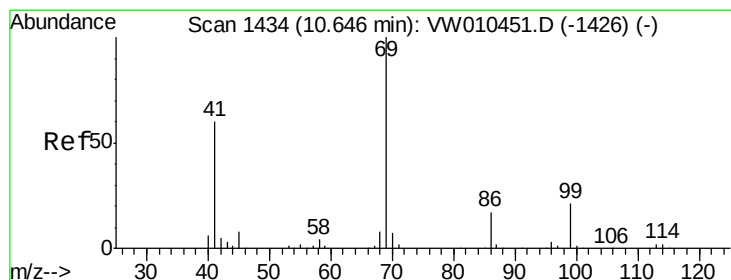
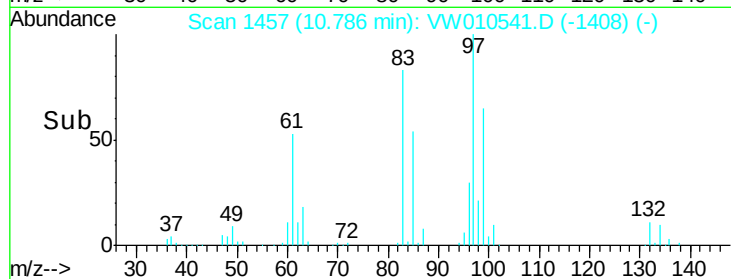
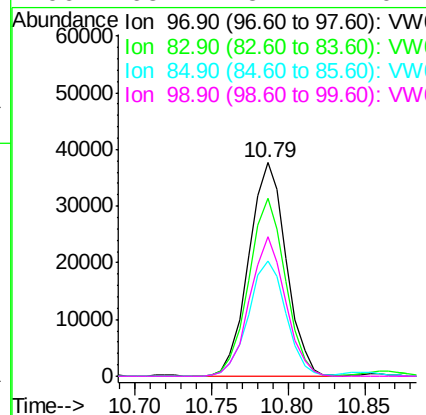
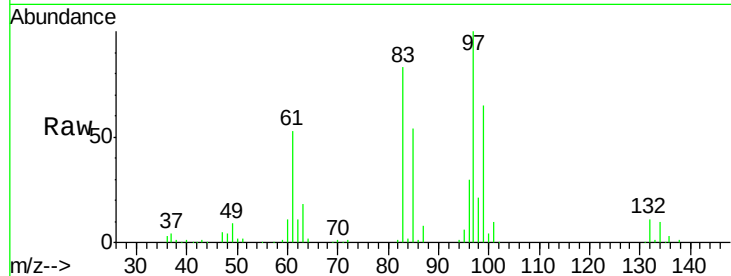
#55
 1,1,2-Trichloroethane
 Concen: 52.618 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	64319
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.1	99.1
85	53.9	44.2	66.4
99	65.1	51.1	76.7

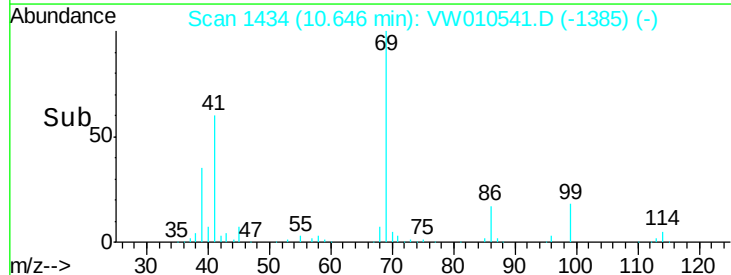
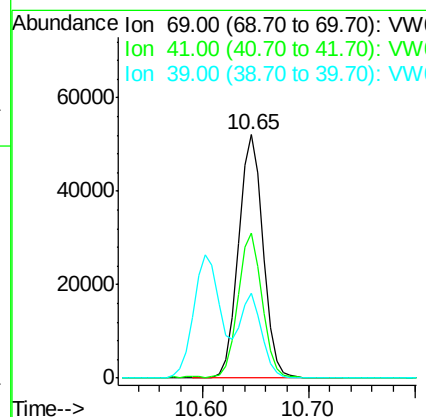
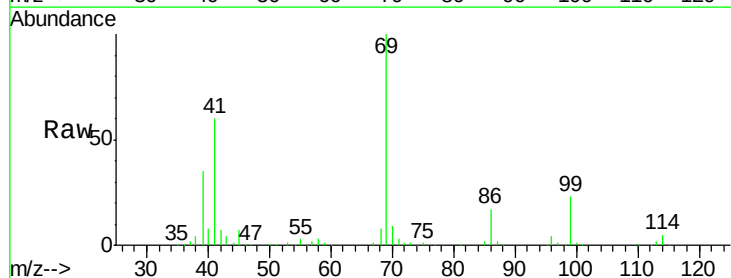
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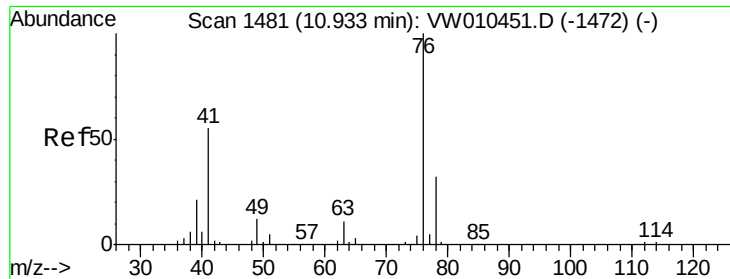
MMDadoda
 5/24/2019 11:00:00 AM



#56
 Ethyl methacrylate
 Concen: 50.150 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	69	Resp	84545
Ion	Ratio	Lower	Upper
69	100		
41	58.0	47.7	71.5
39	30.7	25.3	37.9





#57

1,3-Dichloropropane

Concen: 51.717 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 105894

Ion Ratio Lower Upper

76 100

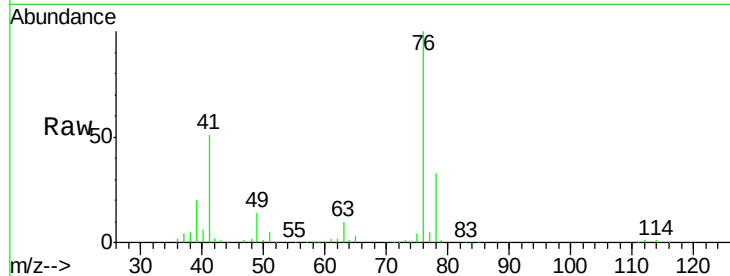
78 32.6 26.2 39.2

Manual Integrations

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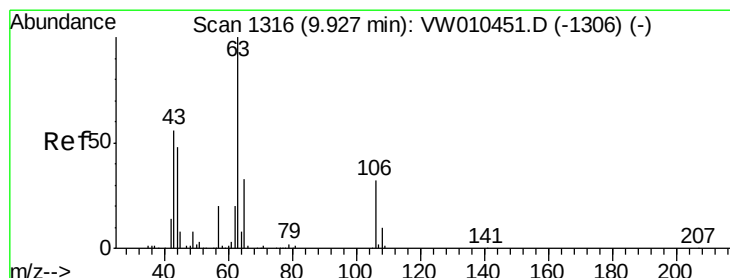
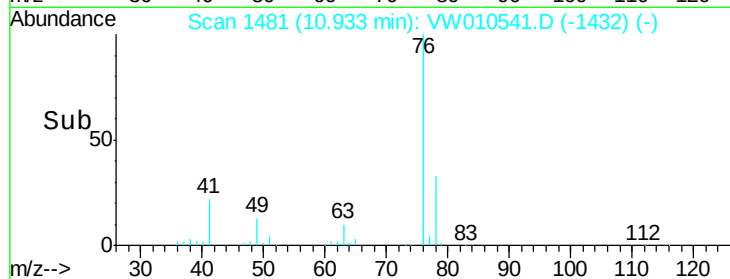
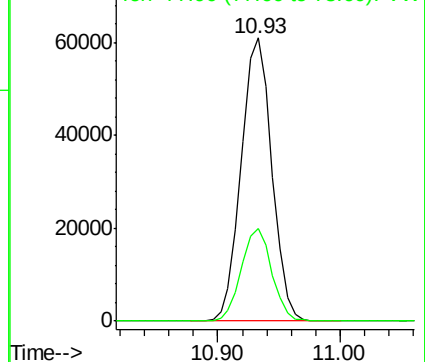
MMDadoda

5/24/2019 11:00:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 265.164 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010541.D

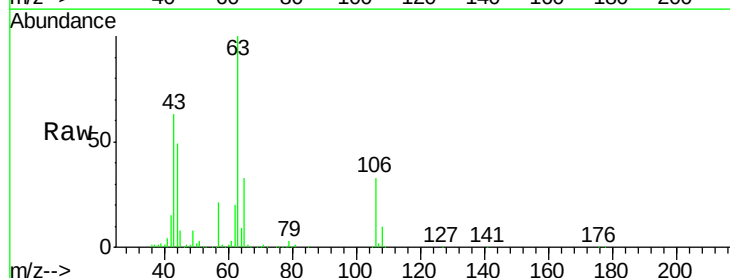
Acq: 23 May 2019 21:15

Tgt Ion: 63 Resp: 198002

Ion Ratio Lower Upper

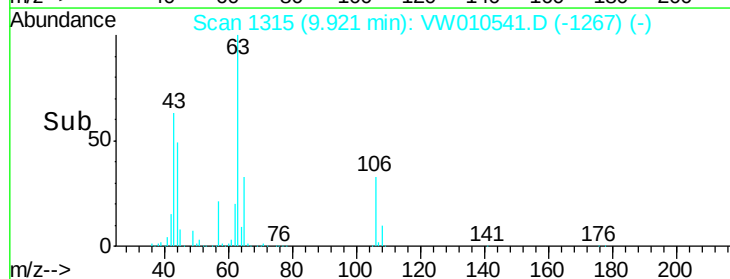
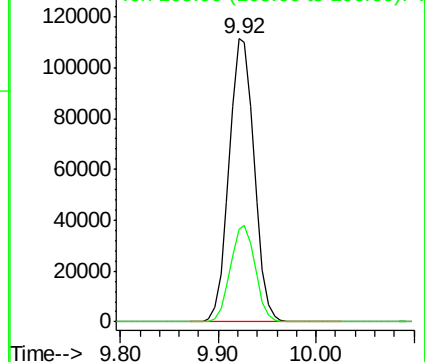
63 100

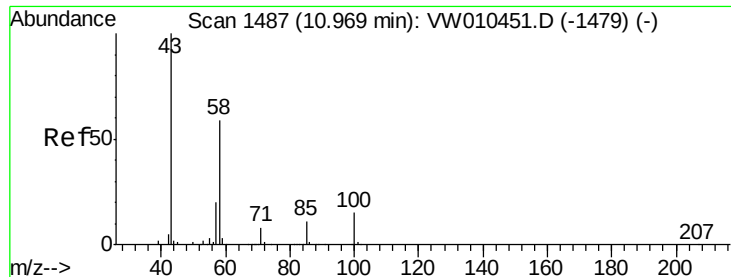
106 33.5 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





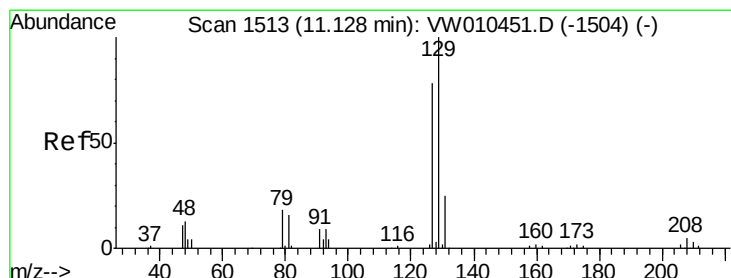
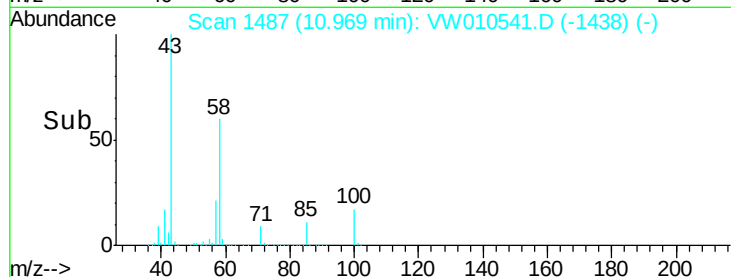
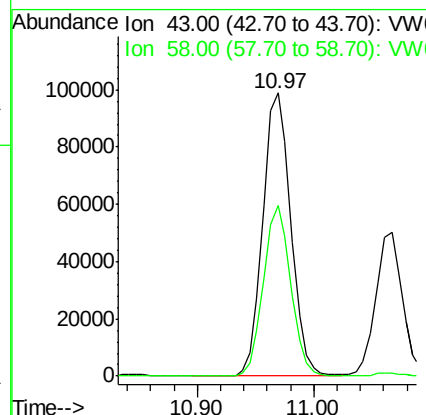
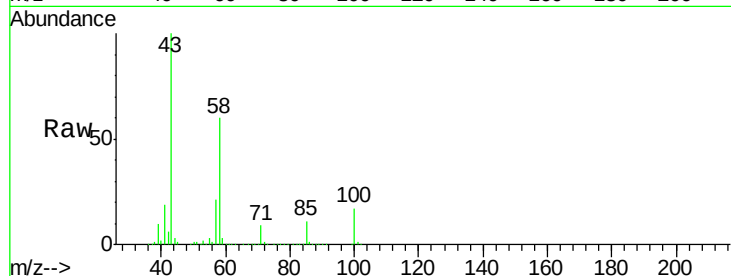
#59
2-Hexanone
Concen: 244.361 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	165232
Ion Ratio	100	Lower	Upper
43	100		
58	58.8	28.9	86.8

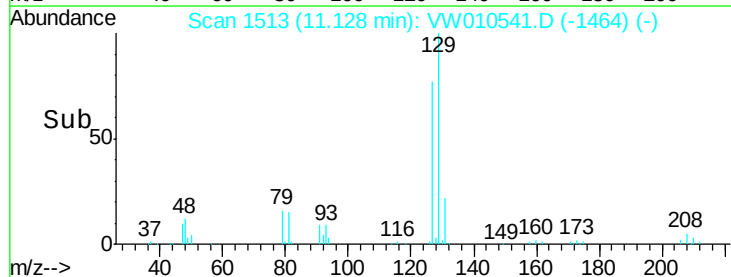
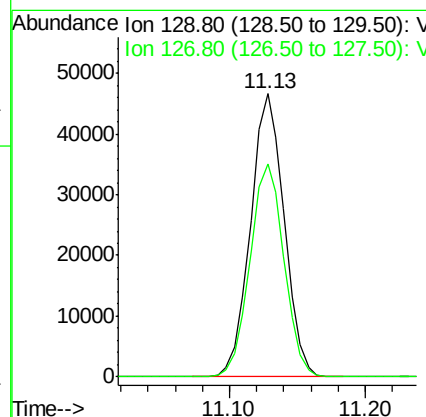
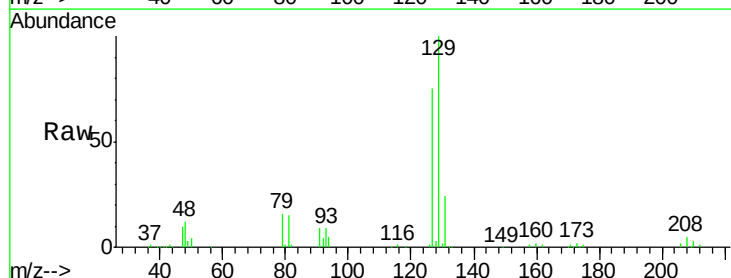
Manual Integrations
APPROVED

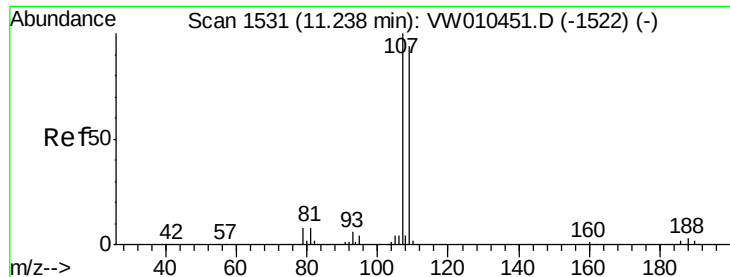
MMDadoda
5/24/2019 11:00:00 AM



#60
Dibromochloromethane
Concen: 52.195 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	129	Resp	80747
Ion Ratio	100	Lower	Upper
129	100		
127	76.0	38.9	116.7





#61

1,2-Dibromoethane

Concen: 52.438 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 64931

Ion Ratio Lower Upper

107 100

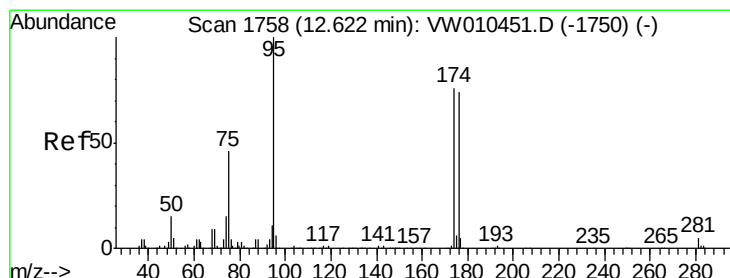
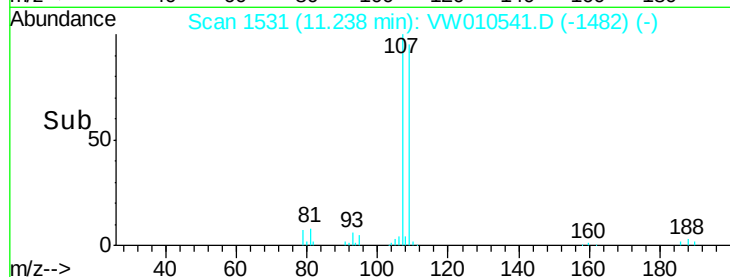
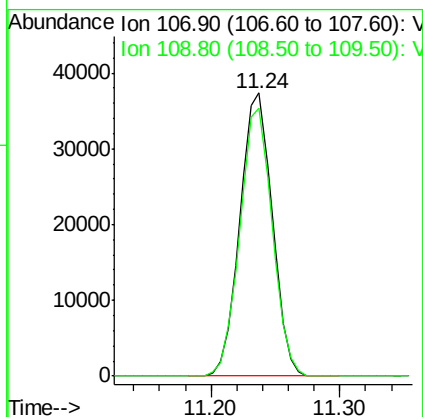
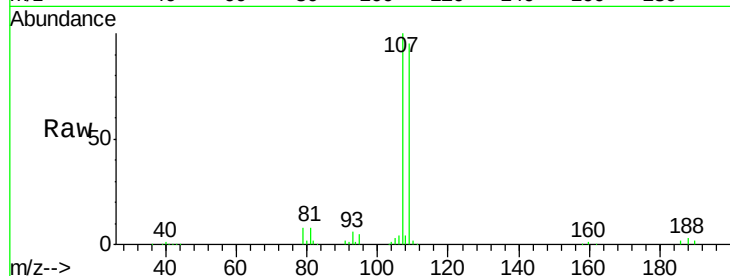
109 94.7 75.0 112.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.547 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

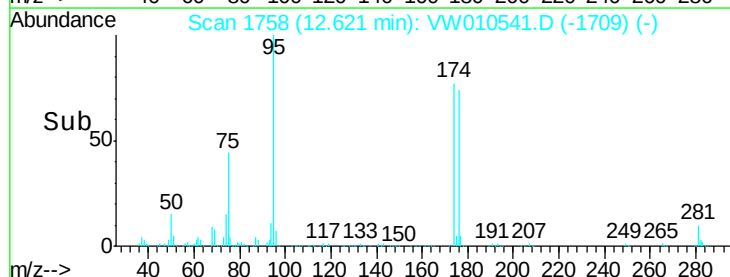
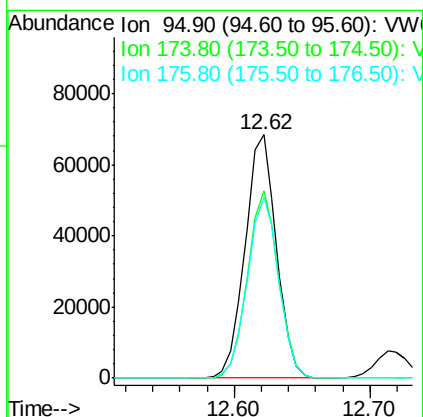
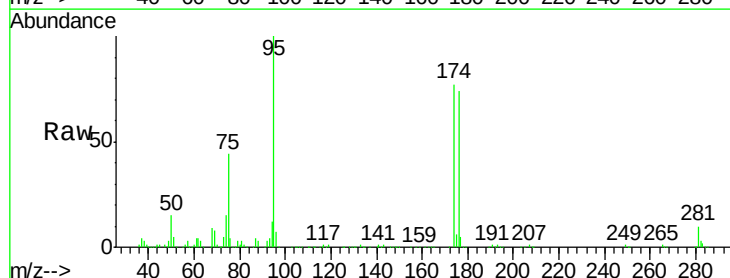
Tgt Ion: 95 Resp: 110316

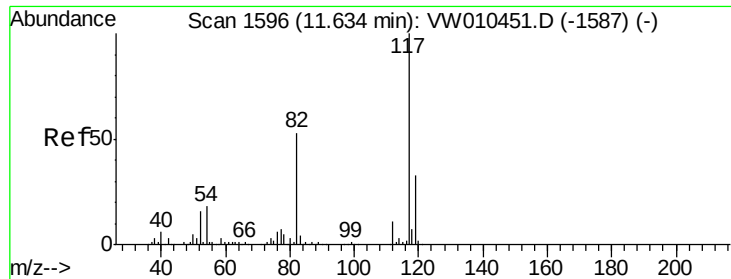
Ion Ratio Lower Upper

95 100

174 76.2 0.0 148.6

176 74.6 0.0 144.2





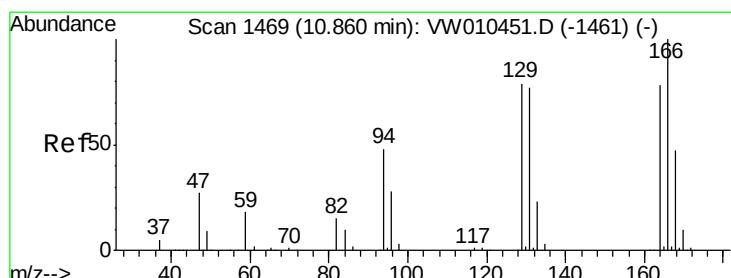
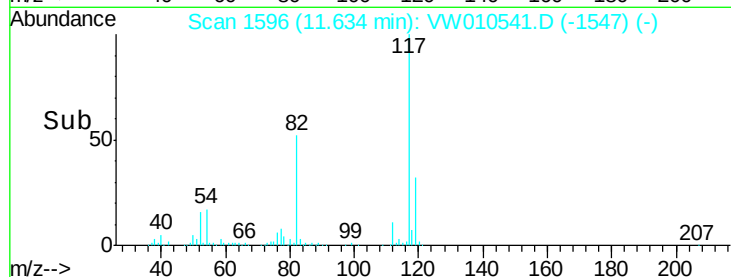
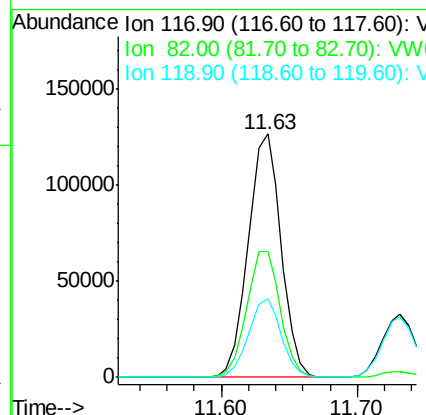
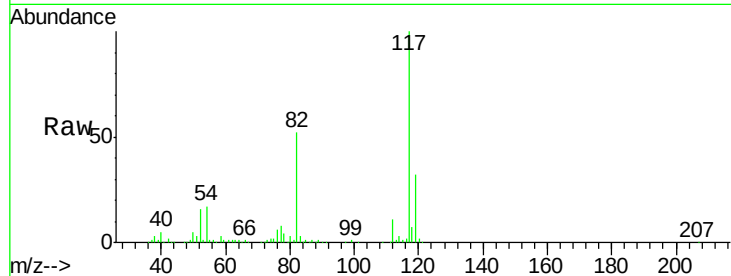
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.8	64.2
119	32.0	26.3	39.5

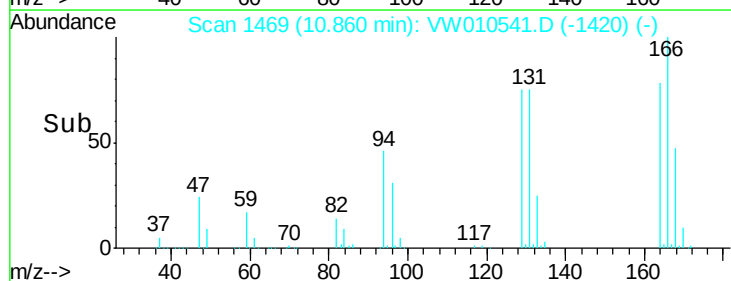
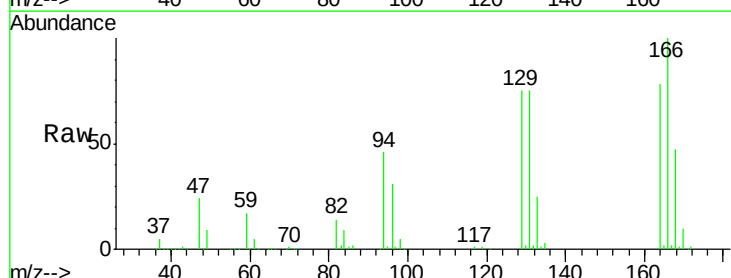
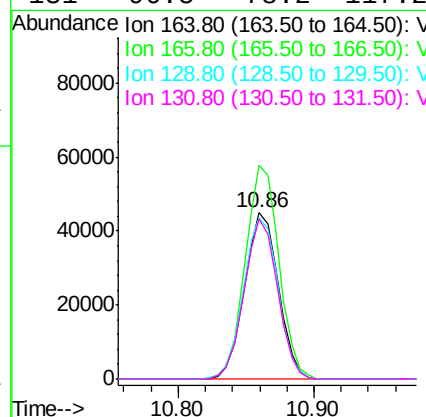
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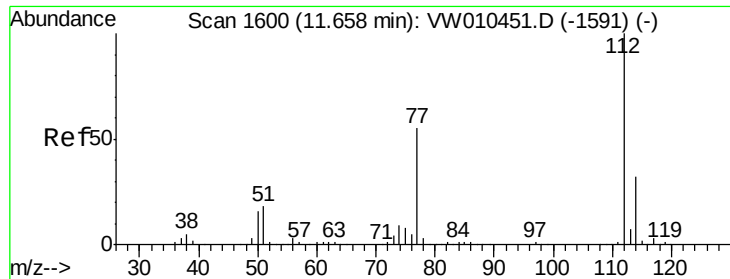
MMDadoda
5/24/2019 11:00:00 AM



#64
Tetrachloroethene
Concen: 52.548 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.9	152.9
129	96.9	80.6	121.0
131	96.5	78.2	117.2





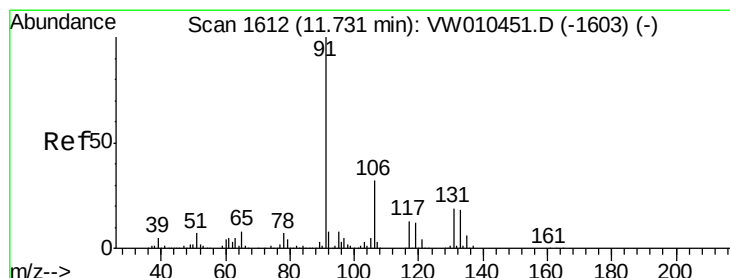
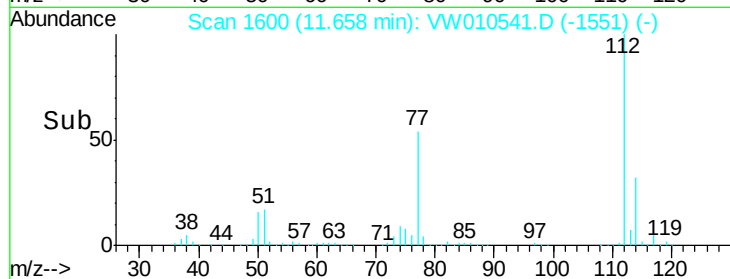
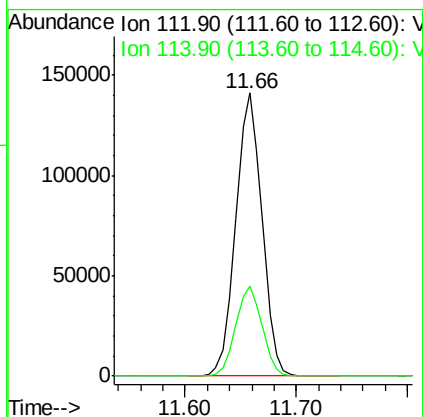
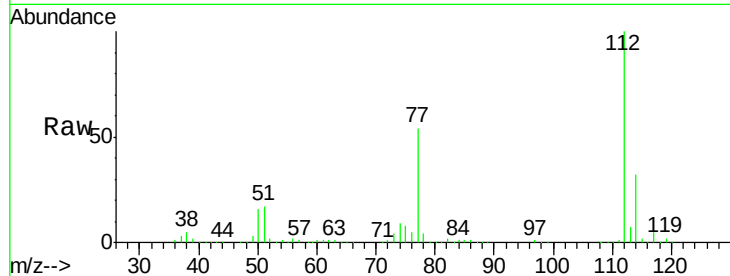
#65
Chlorobenzene
Concen: 50.270 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 229567
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

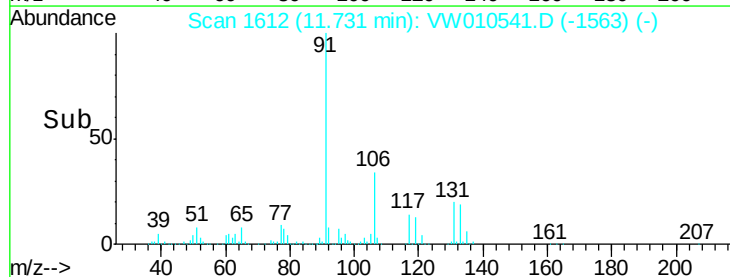
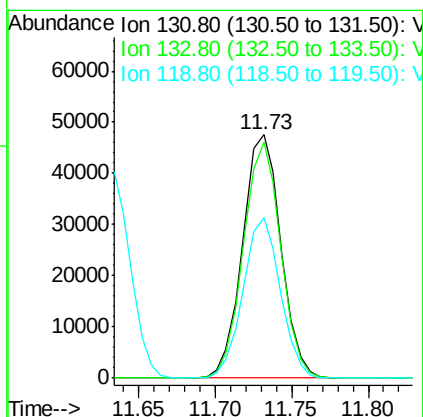
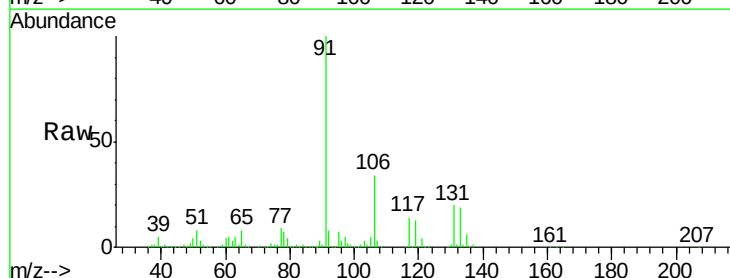
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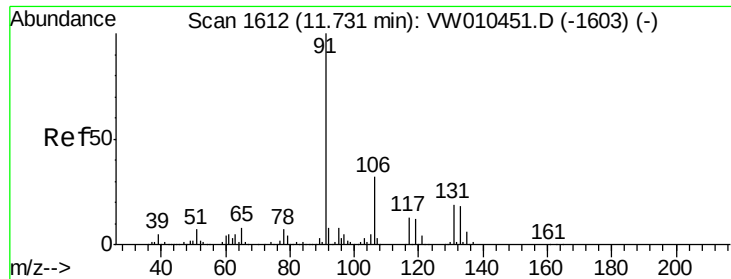
MMDadoda
5/24/2019 11:00:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.566 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion:131 Resp: 82719
Ion Ratio Lower Upper
131 100
133 94.3 47.3 141.9
119 64.0 32.1 96.5





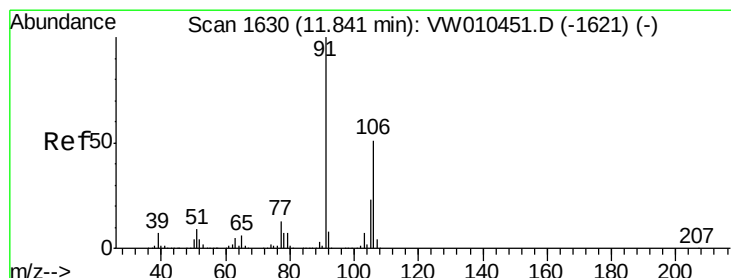
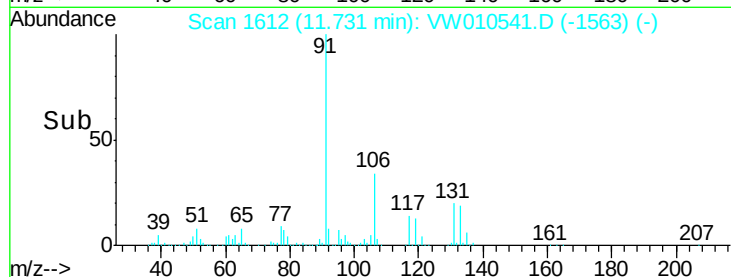
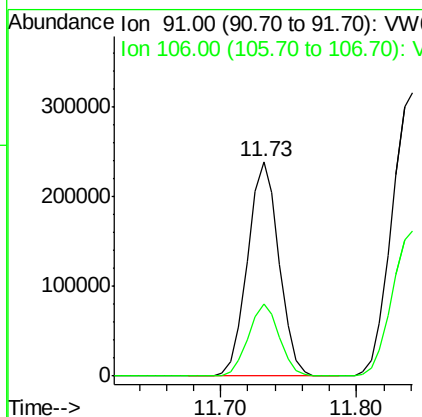
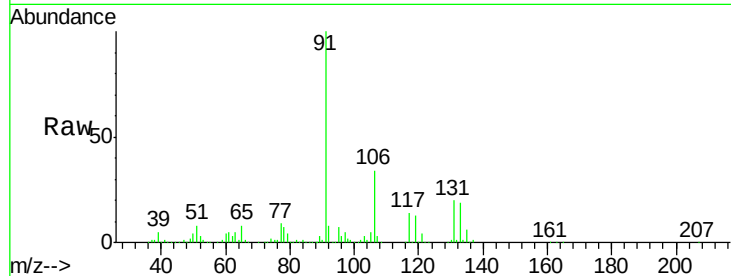
#67
Ethyl Benzene
Concen: 47.982 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.9	38.9

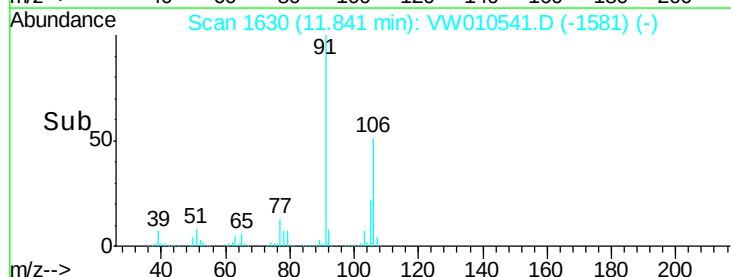
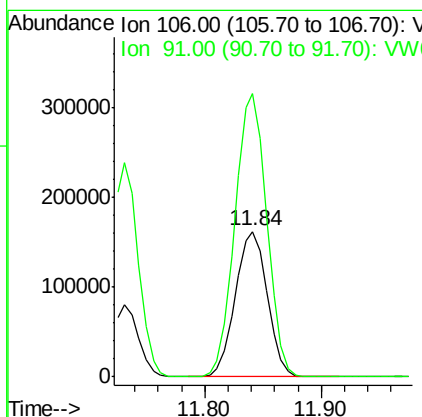
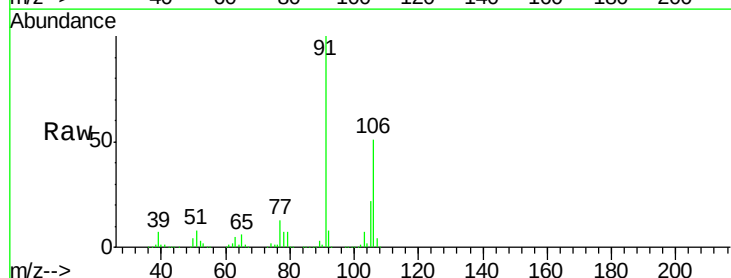
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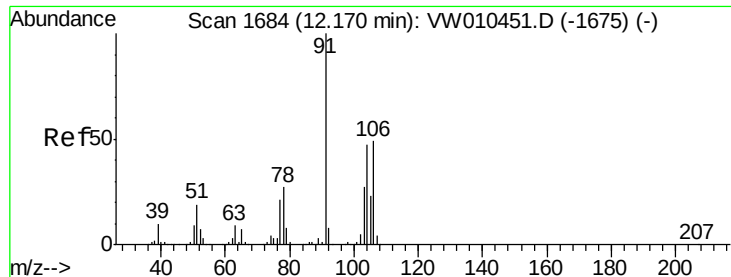
MMDadoda
5/24/2019 11:00:00 AM



#68
m/p-Xylenes
Concen: 97.813 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.8	156.0	234.0





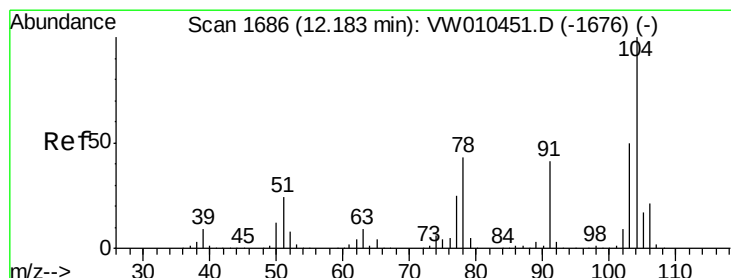
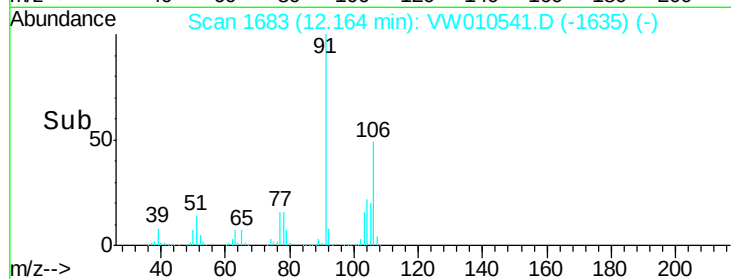
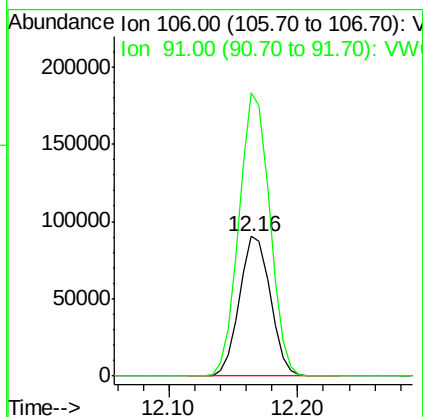
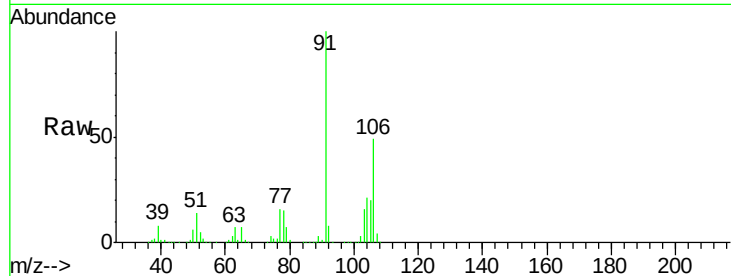
#69
o-Xylene
Concen: 50.077 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	201.5	103.2	309.4		

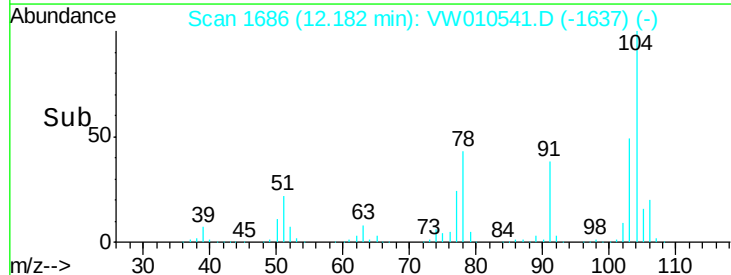
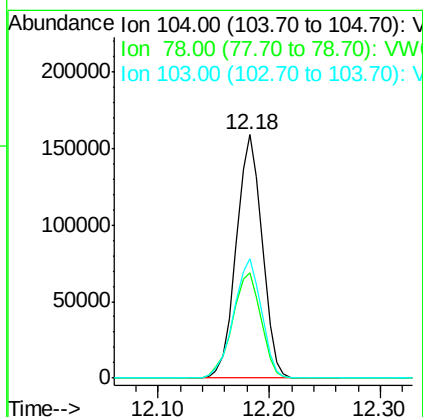
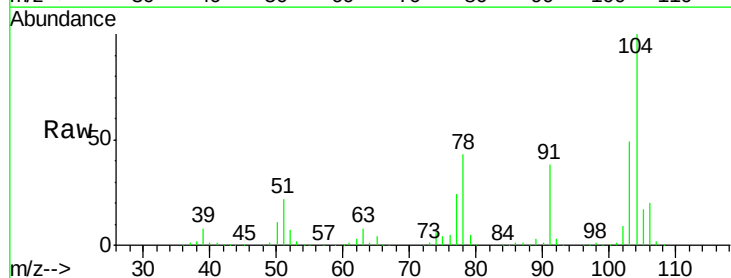
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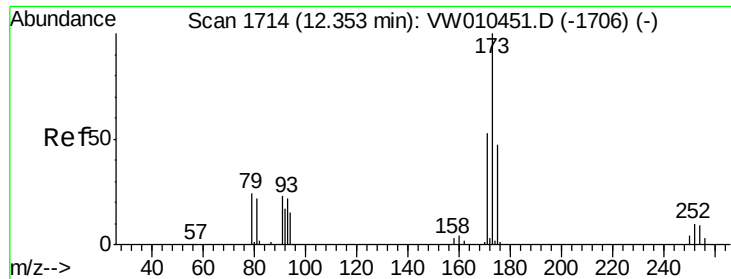
MMDadoda
5/24/2019 11:00:00 AM



#70
Styrene
Concen: 50.326 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.8	39.0	58.4		
103	52.8	43.0	64.6		





#71

Bromoform

Concen: 50.758 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

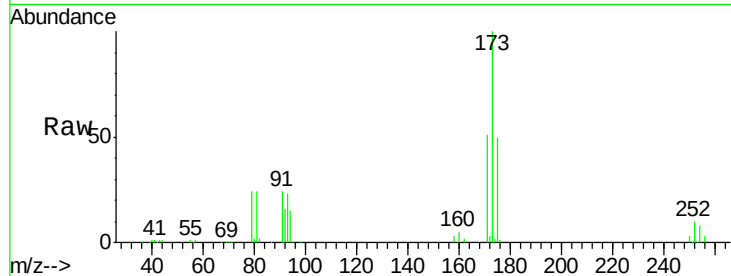
ClientSampleId :

VSTDCCC050EC

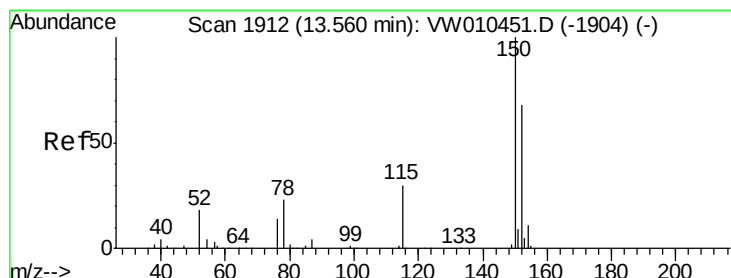
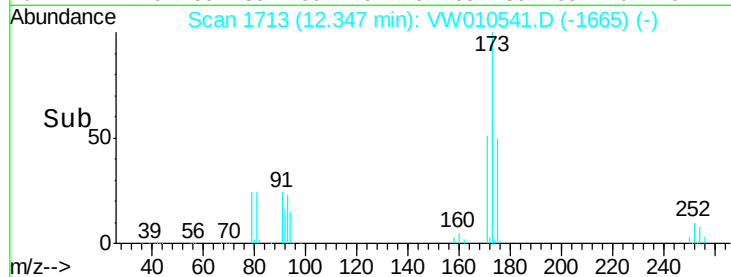
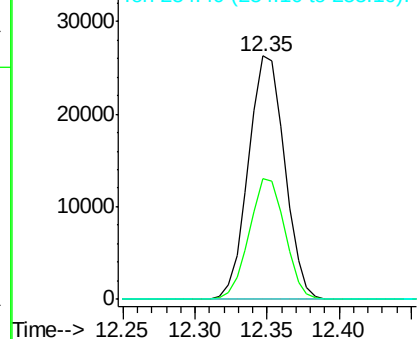
Tot Ion:173	Resp:	45725
Ion Ratio	Lower	Upper
173 100		
175 49.0	24.4	73.4
254 0.0	0.0	0.0

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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

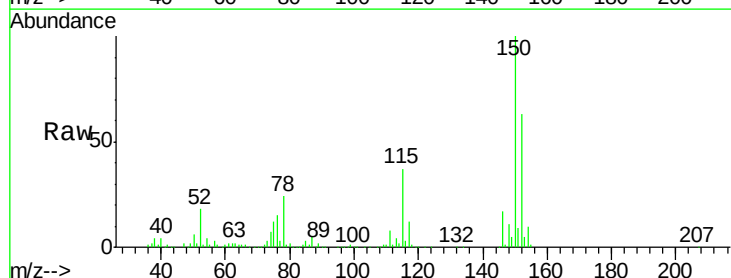
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

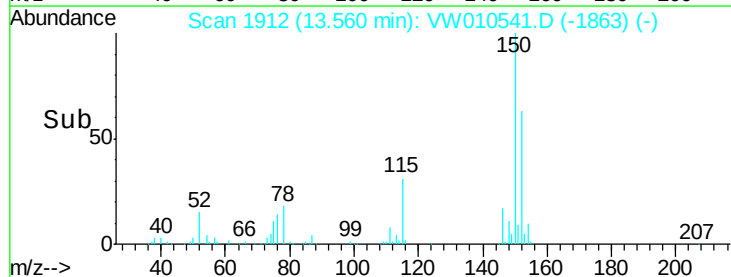
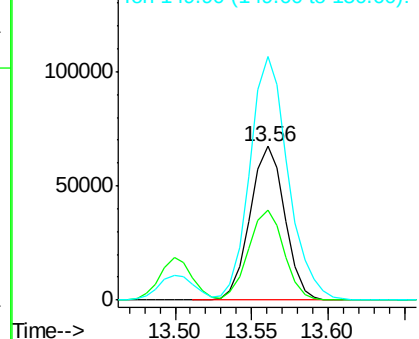
Lab File: VW010541.D

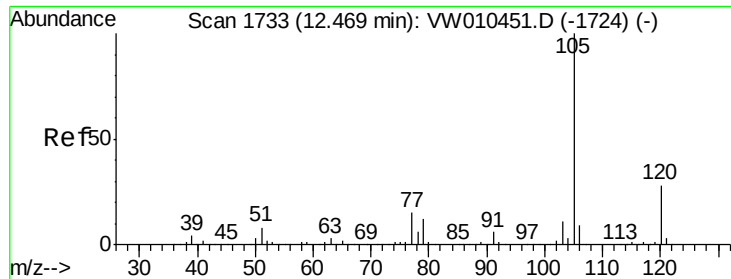
Acq: 23 May 2019 21:15

Tgt Ion:152	Resp:	106697
Ion Ratio	Lower	Upper
152 100		
115 59.1	30.3	91.0
150 174.0	0.0	349.8



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





#73

Isopropylbenzene

Concen: 47.071 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 398542

Ion Ratio Lower Upper

105 100

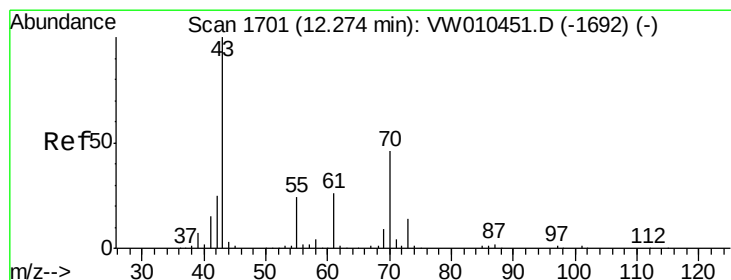
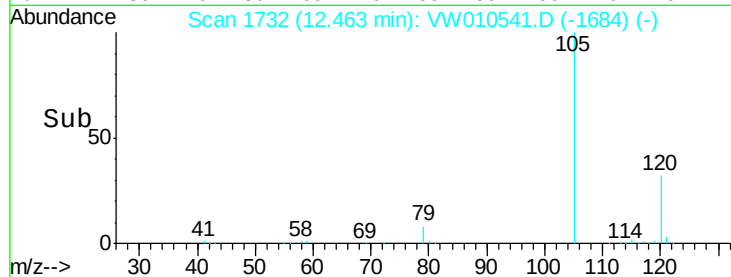
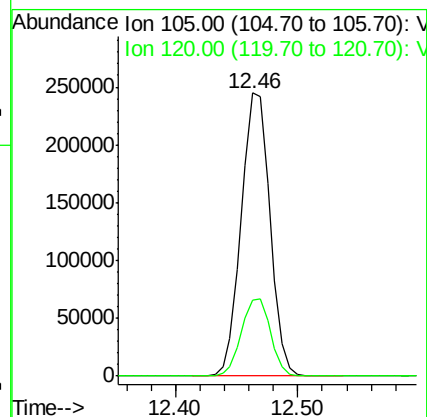
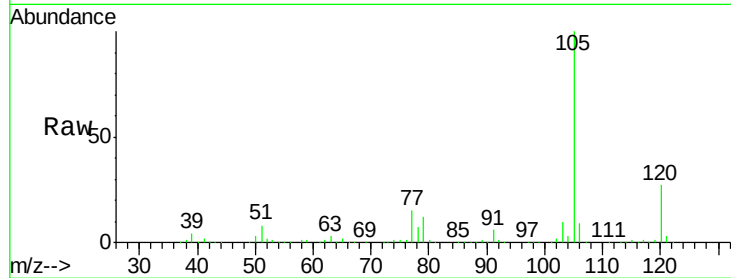
120 27.7 13.9 41.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.508 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion: 43 Resp: 88294

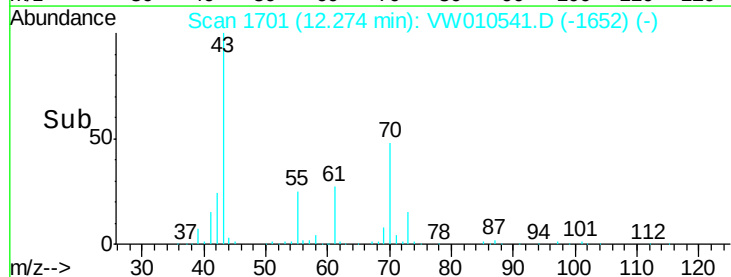
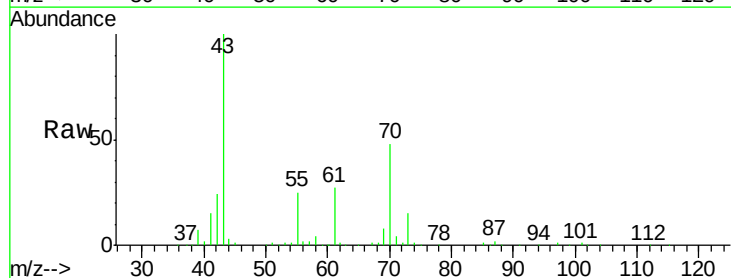
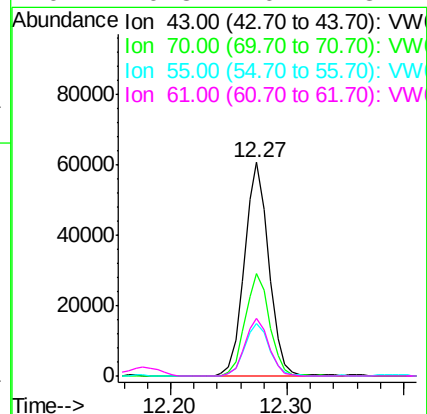
Ion Ratio Lower Upper

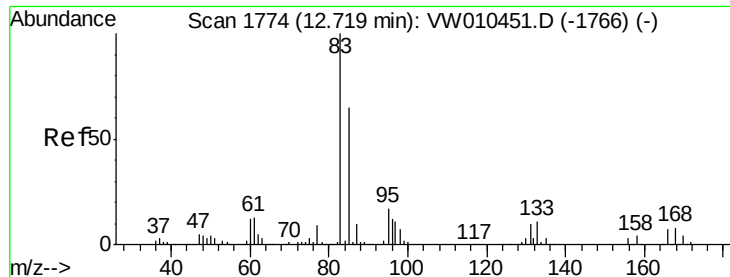
43 100

70 48.5 37.1 55.7

55 25.5 19.6 29.4

61 26.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.316 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

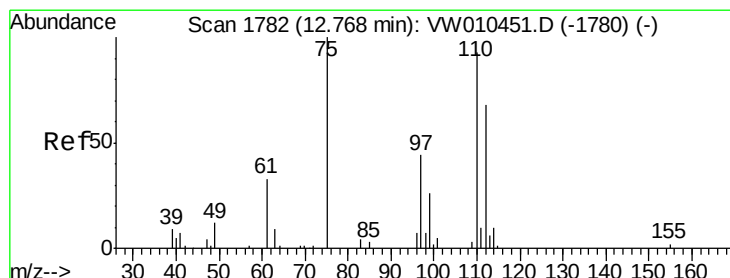
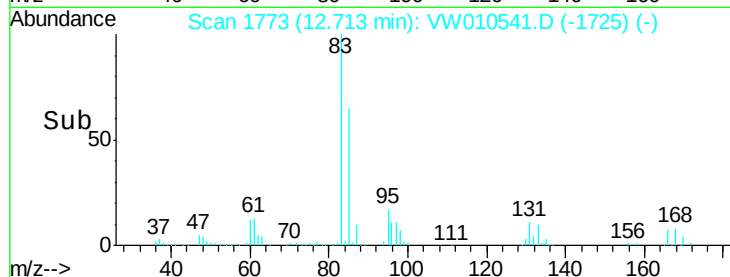
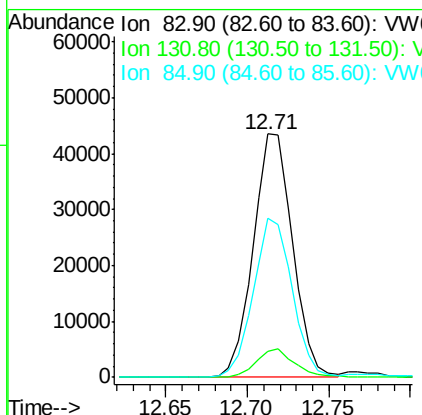
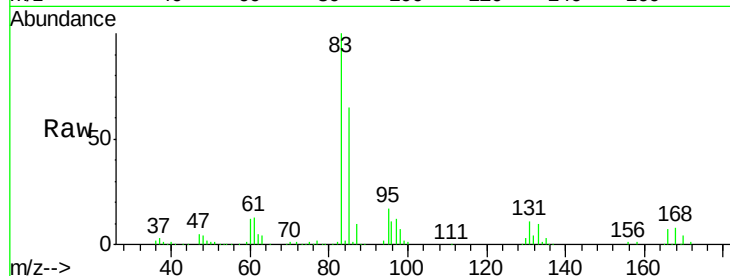
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	72866
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	64.3	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 46.143 ug/l m

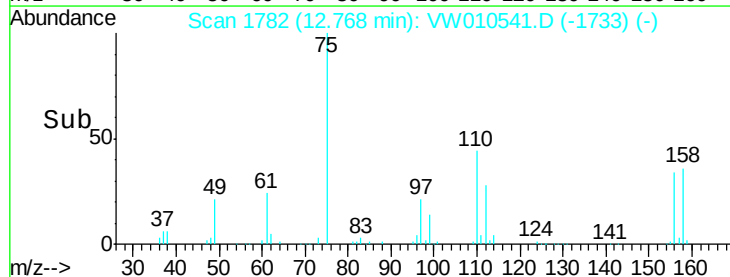
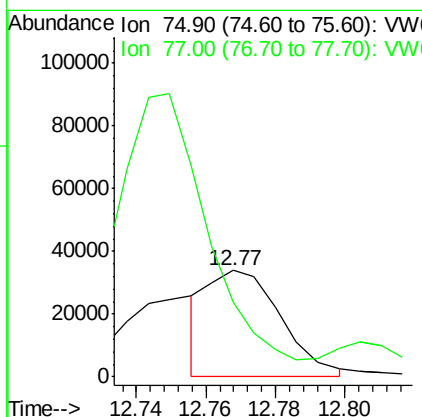
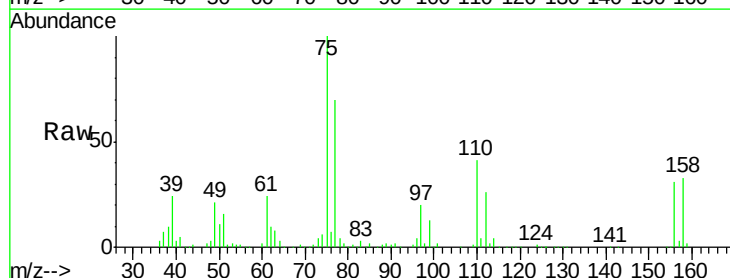
RT: 12.77 min Scan# 1782

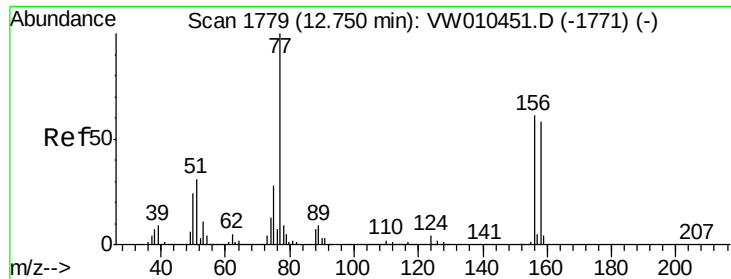
Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion:	75	Resp:	49975
Ion Ratio	Lower	Upper	
75	100		
77	337.4	170.0	510.1





#77

Bromobenzene

Concen: 50.260 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

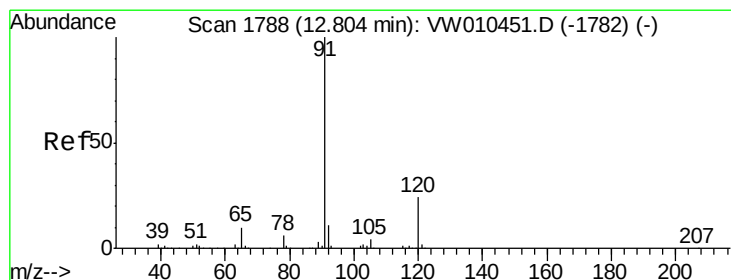
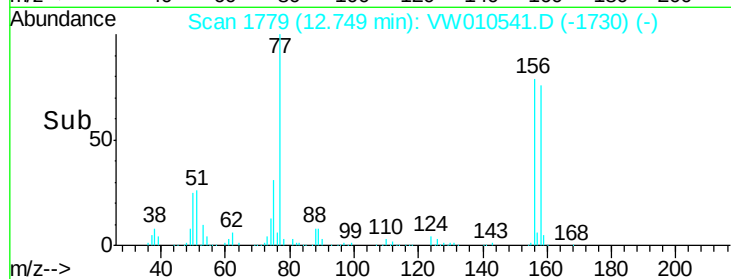
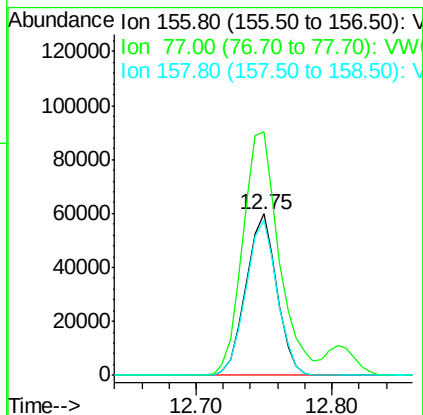
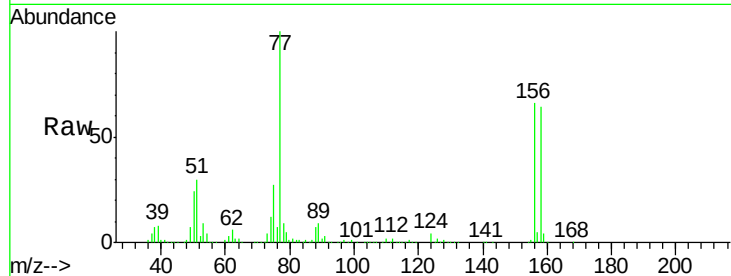
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	177.0	92.4	277.2	
158	97.5	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 45.725 ug/l

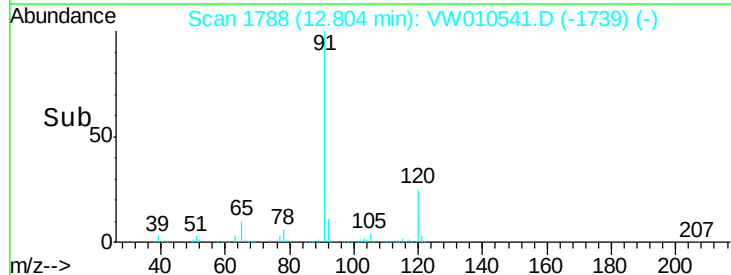
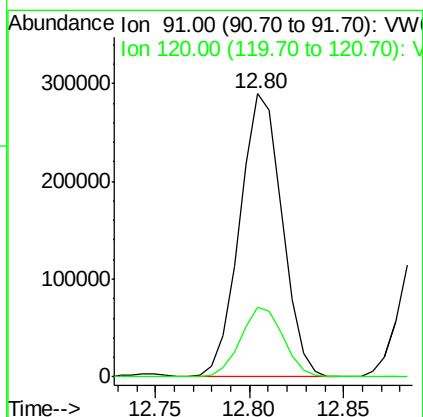
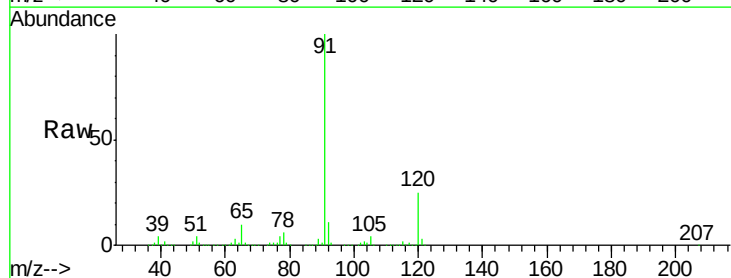
RT: 12.80 min Scan# 1788

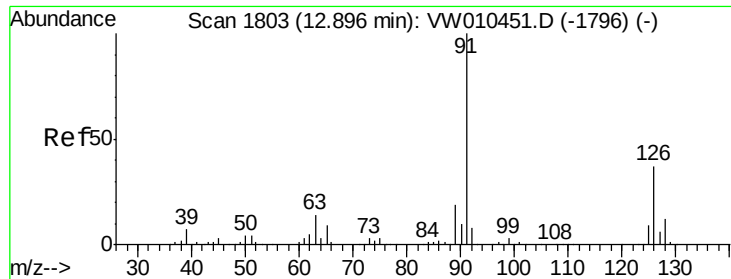
Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	12.3	36.8	





#79

2-Chlorotoluene

Concen: 46.678 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010541.D

Acq: 23 May 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 267095

Ion Ratio Lower Upper

91 100

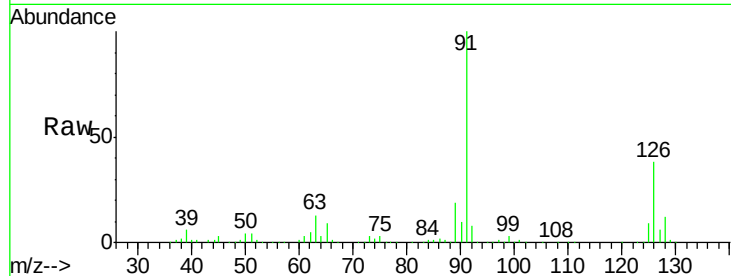
126 35.9 17.4 52.3

Manual Integrations

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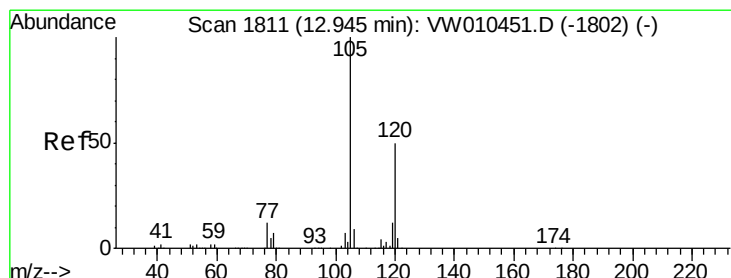
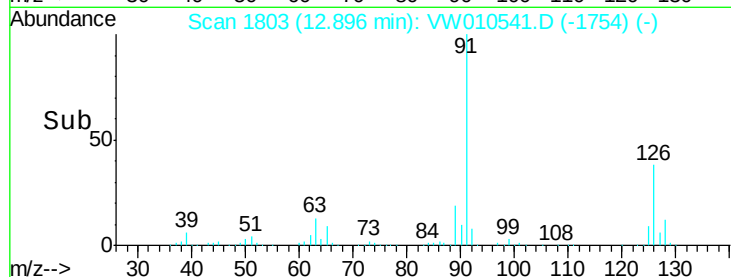
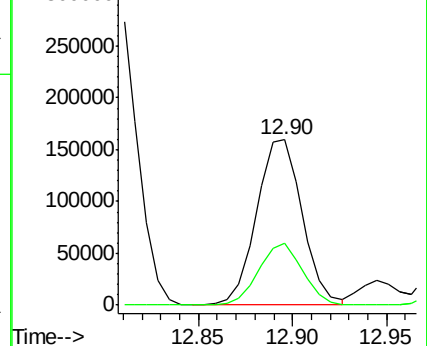
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.884 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010541.D

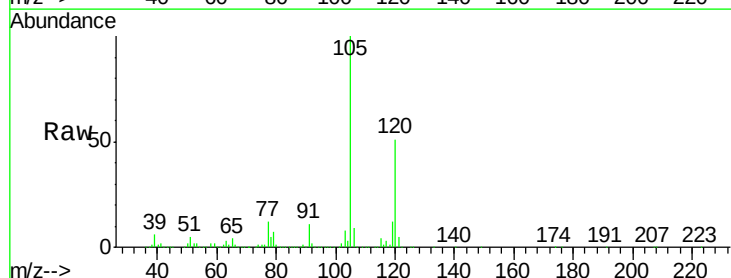
Acq: 23 May 2019 21:15

Tgt Ion:105 Resp: 336199

Ion Ratio Lower Upper

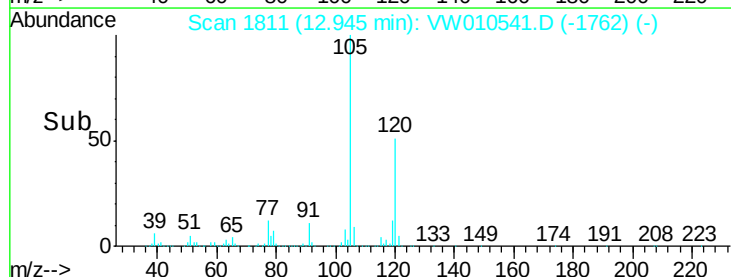
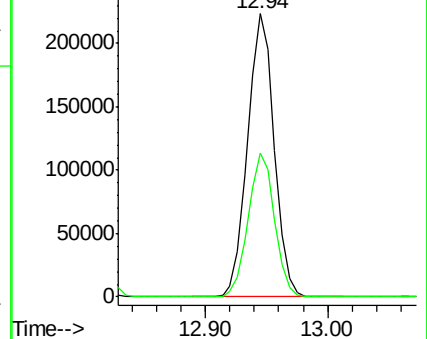
105 100

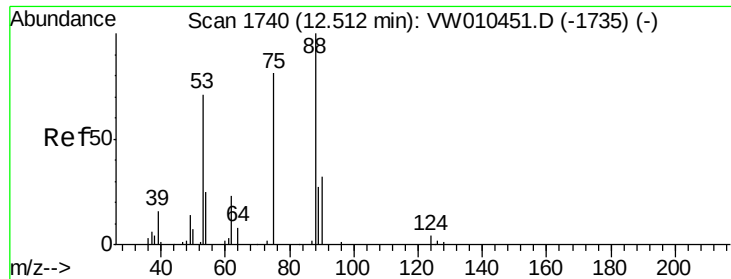
120 50.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





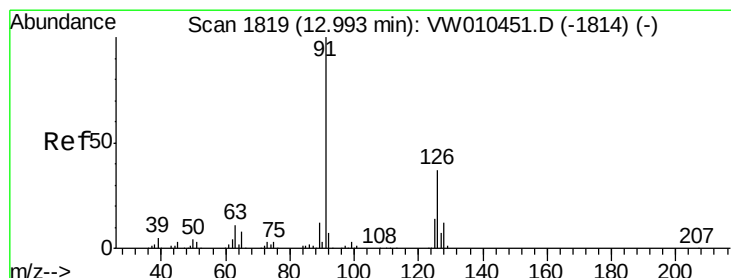
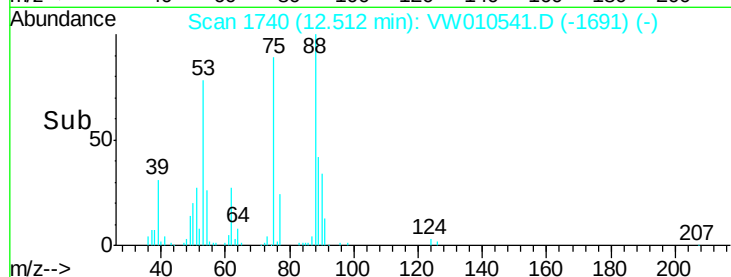
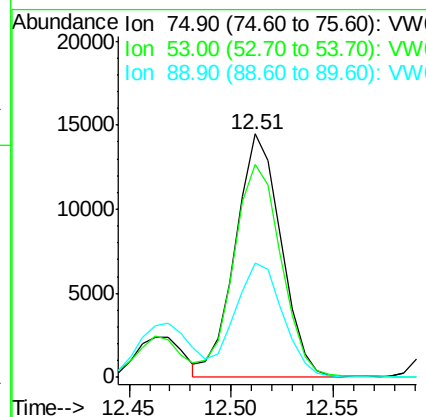
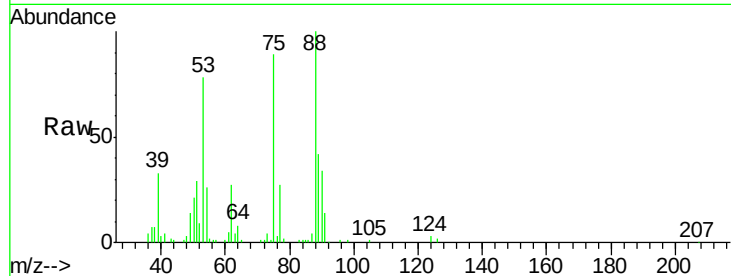
#81
trans-1,4-Dichloro-2-butene
Concen: 43.448 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	69.8	104.8
89	49.5	39.5	59.3

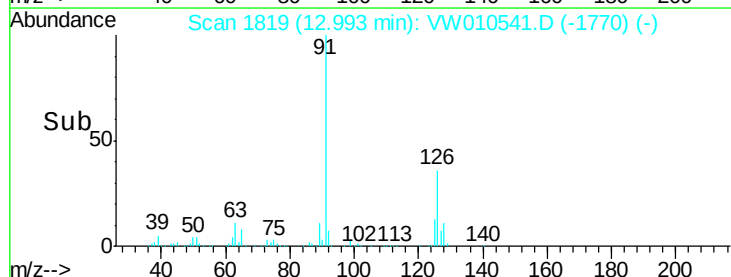
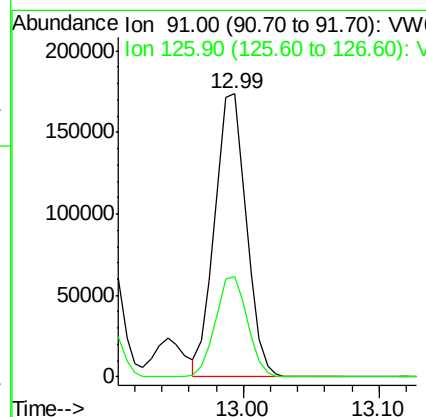
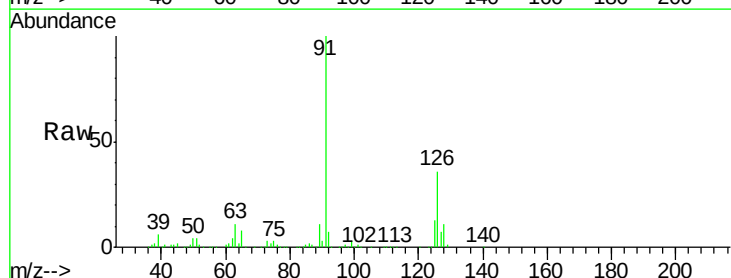
Manual Integrations
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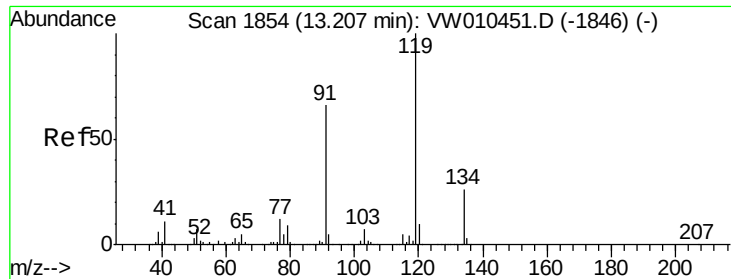
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.081 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.5	52.6





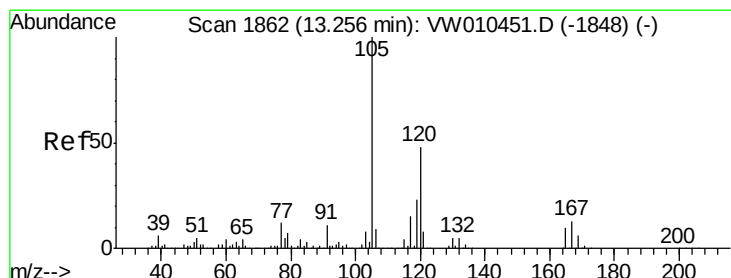
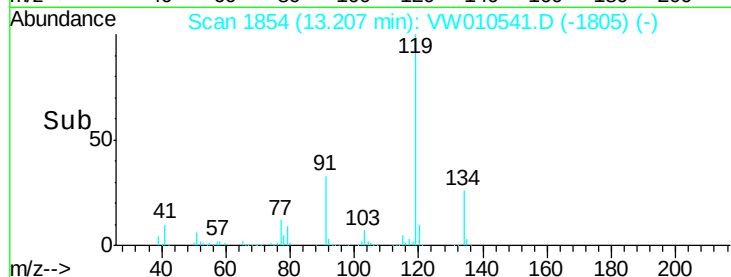
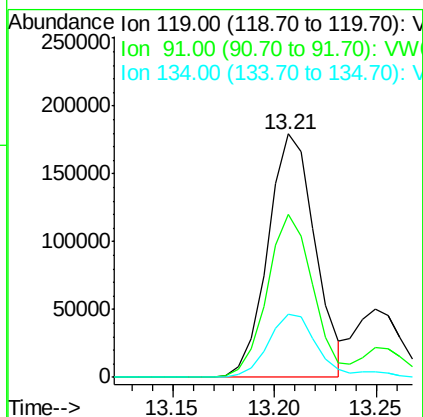
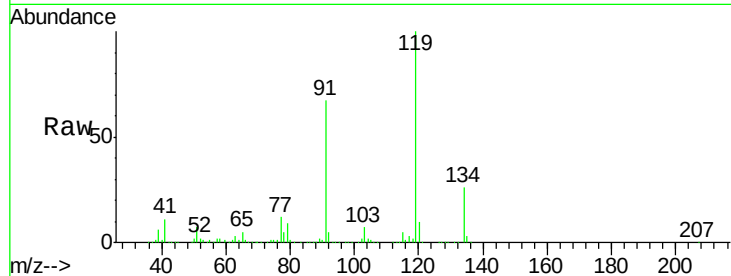
#83
 tert-Butylbenzene
 Concen: 46.243 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289655		
91	65.9		33.1	99.5
134	28.0		13.9	41.6

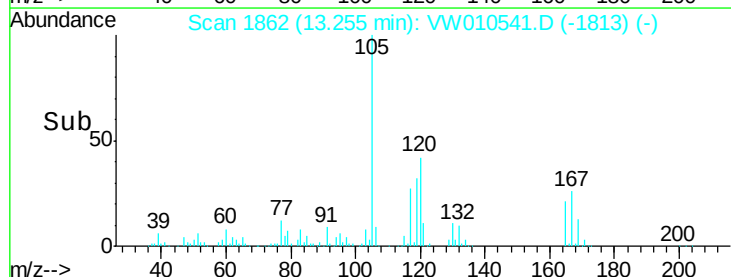
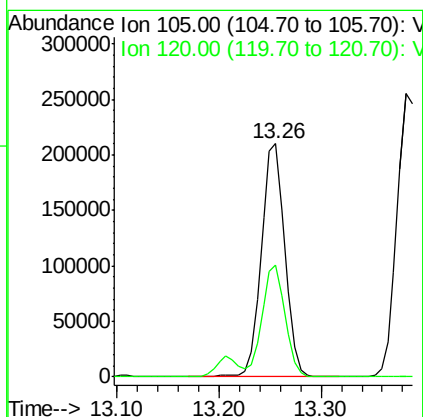
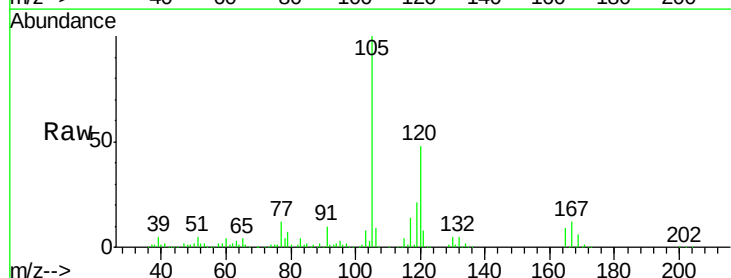
Manual Integrations
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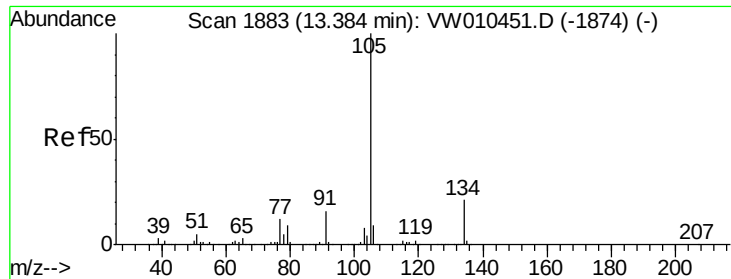
MMDadoda
 5/24/2019 11:00:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.274 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	337629		
120	46.9		23.4	70.2





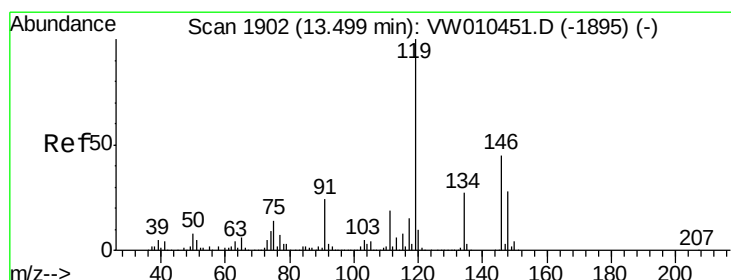
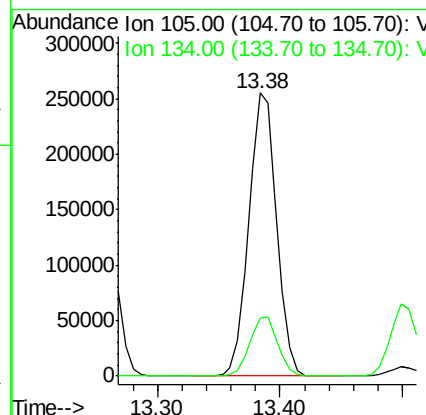
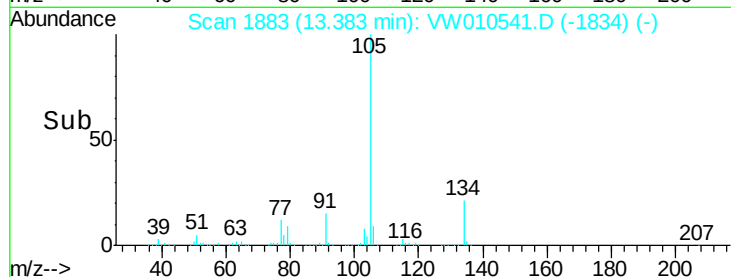
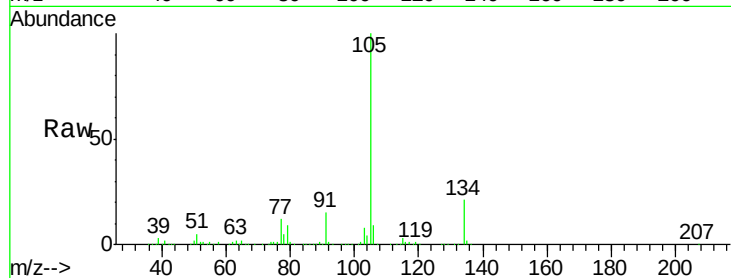
#85
 sec-Butylbenzene
 Concen: 45.825 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.6

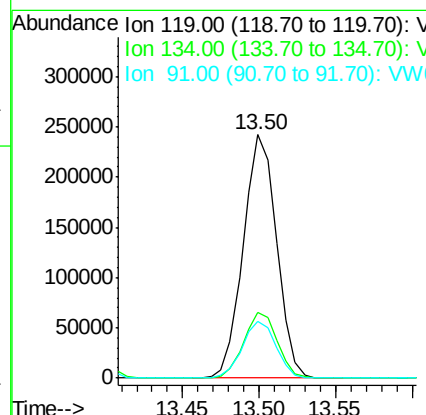
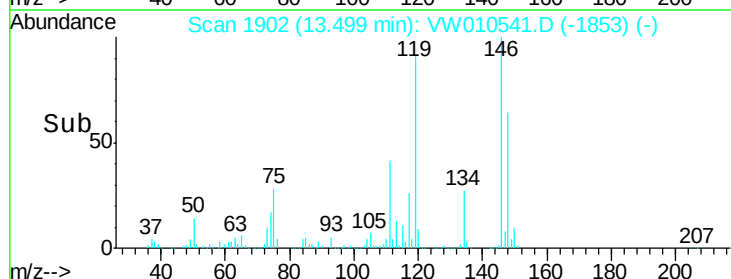
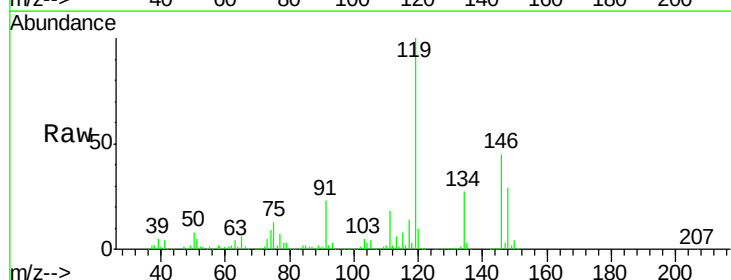
Manual Integrations
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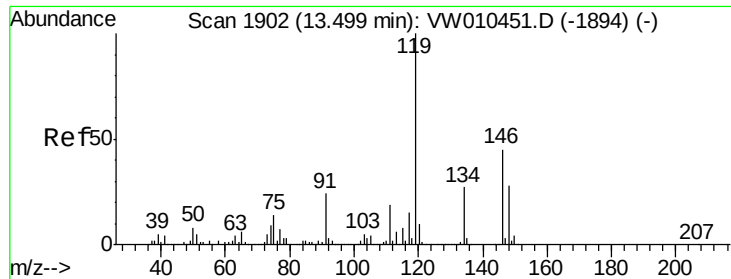
MMDadoda
 5/24/2019 11:00:00 AM



#86
 p-Isopropyltoluene
 Concen: 46.048 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.7
91	23.6	11.9	35.7





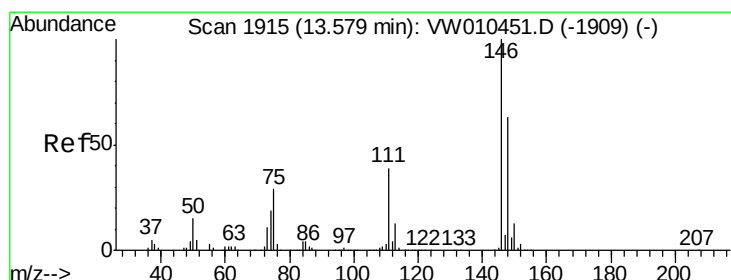
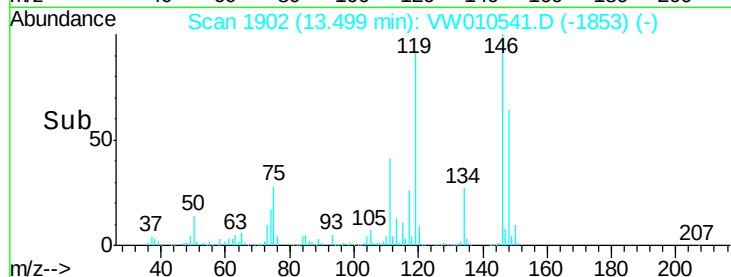
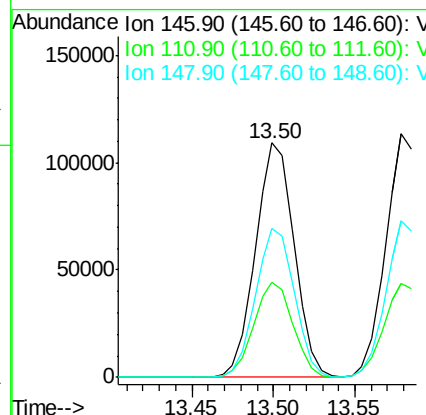
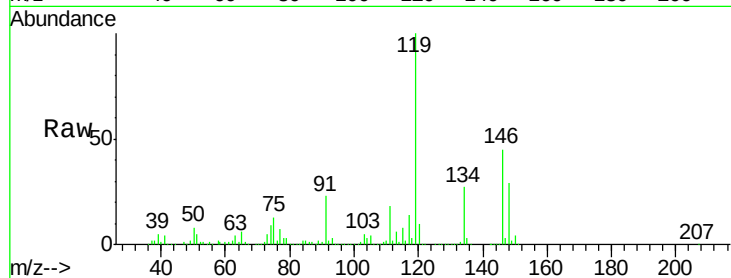
#87
 1,3-Dichlorobenzene
 Concen: 48.559 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180507		
111	40.9		20.3	60.9
148	63.6		31.6	94.8

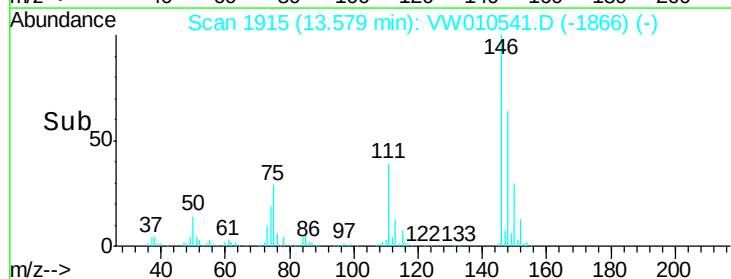
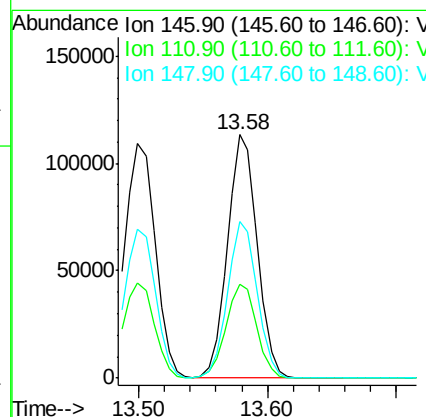
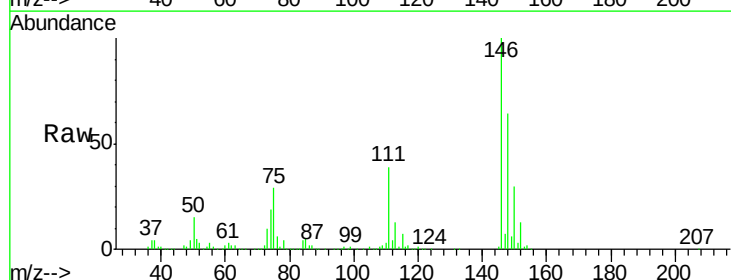
Manual Integrations
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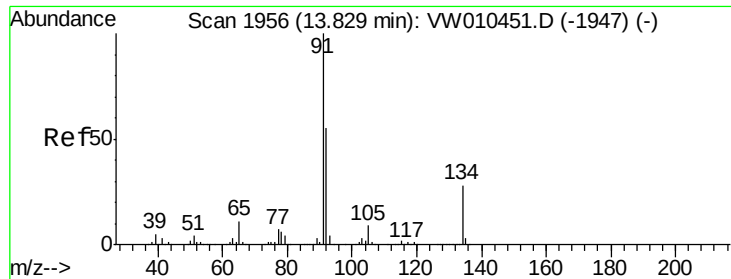
MMDadoda
 5/24/2019 11:00:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.248 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183677		
111	39.7		19.9	59.6
148	64.0		31.6	94.8





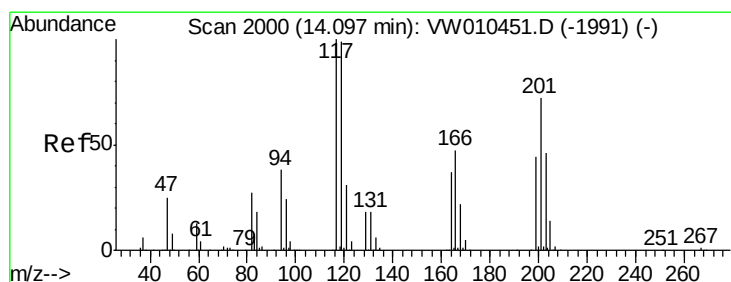
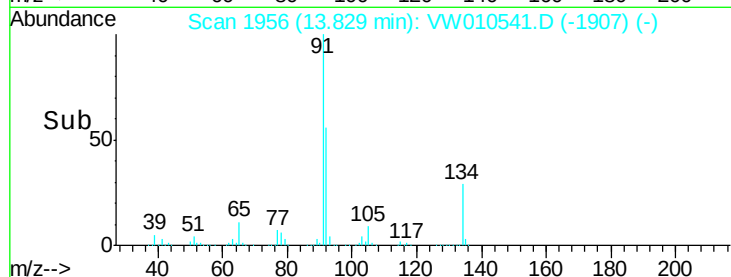
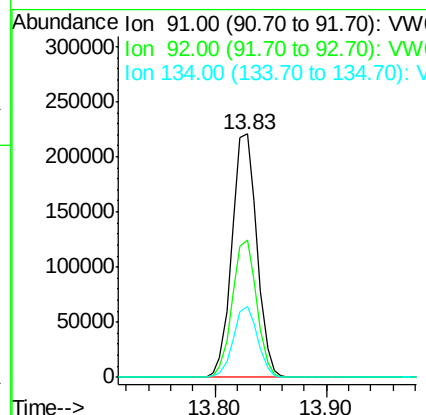
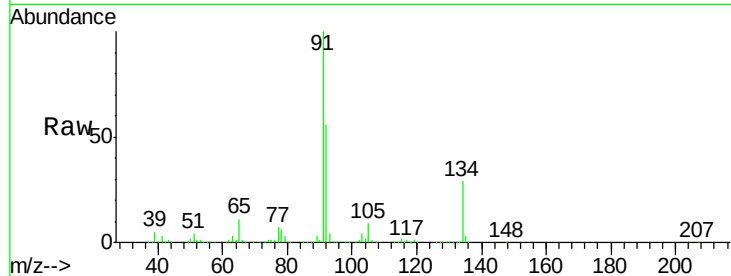
#89
n-Butylbenzene
Concen: 45.320 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.7	83.1
134	28.5	13.9	41.6

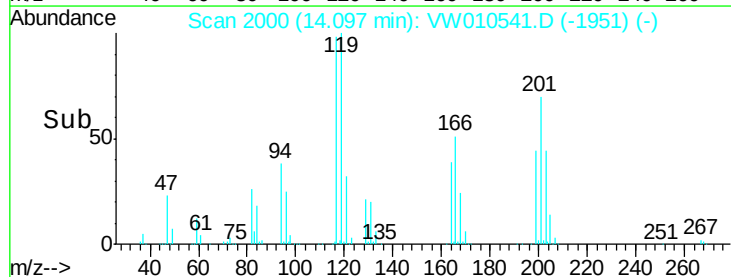
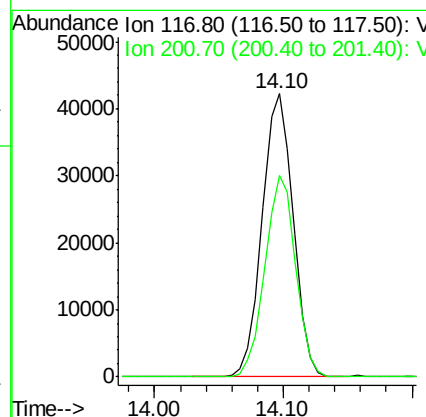
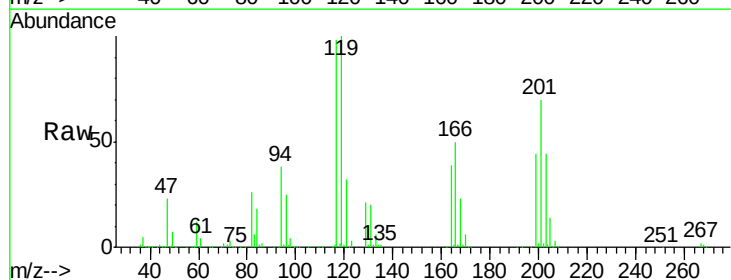
Manual Integrations
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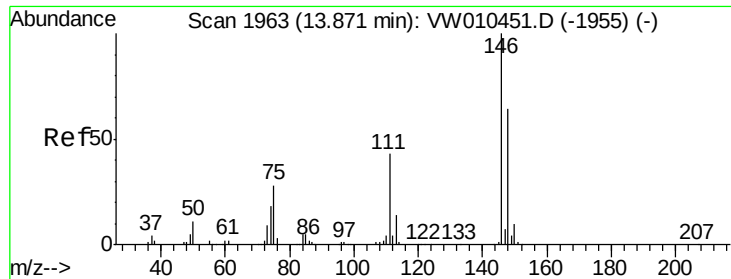
MMDadoda
5/24/2019 11:00:00 AM



#90
Hexachloroethane
Concen: 45.734 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	34.6	103.8





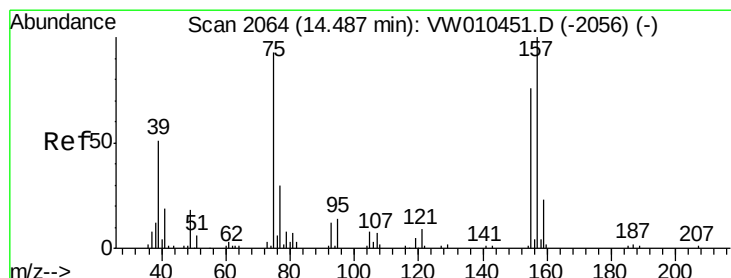
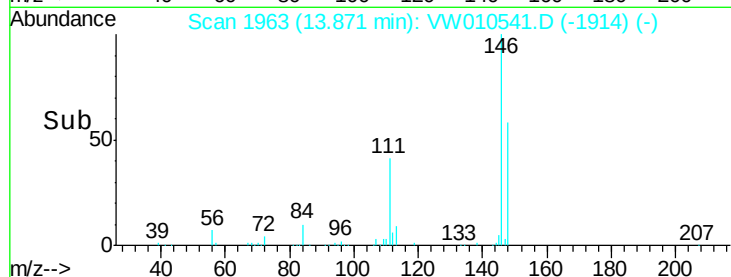
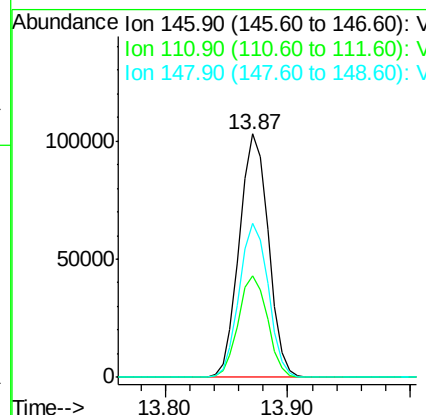
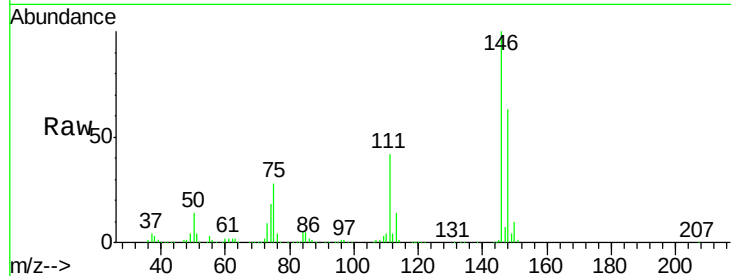
#91
 1,2-Dichlorobenzene
 Concen: 49.948 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	63.5	32.0	96.0

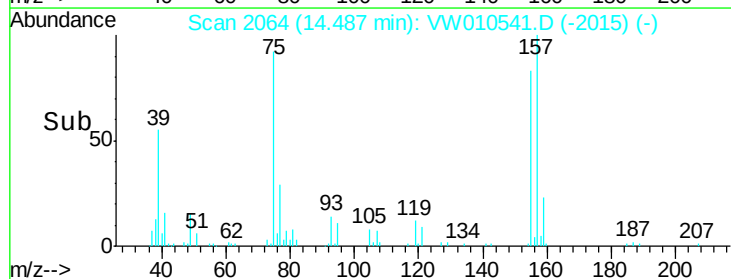
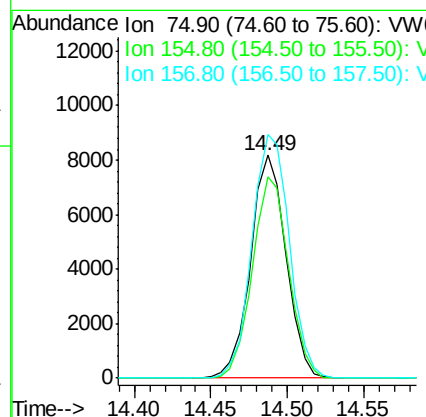
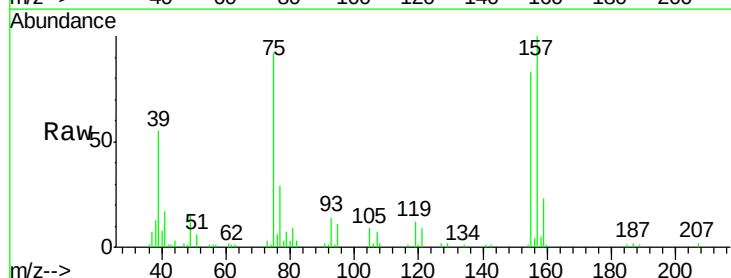
Manual Integrations
 APPROVED

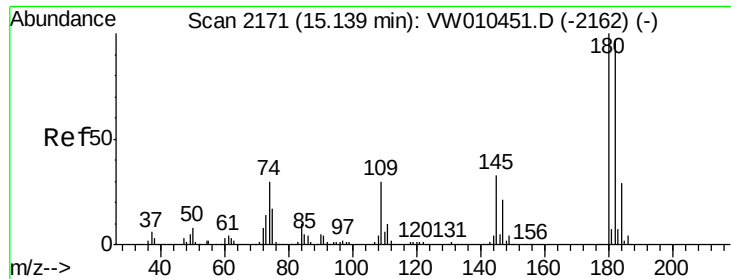
MMDadoda
 5/24/2019 11:00:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.097 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	43.0	129.0
157	115.1	55.7	167.1





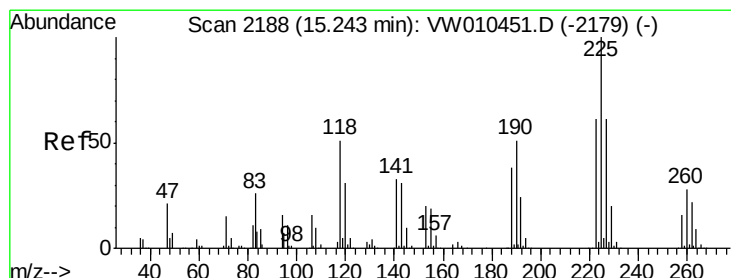
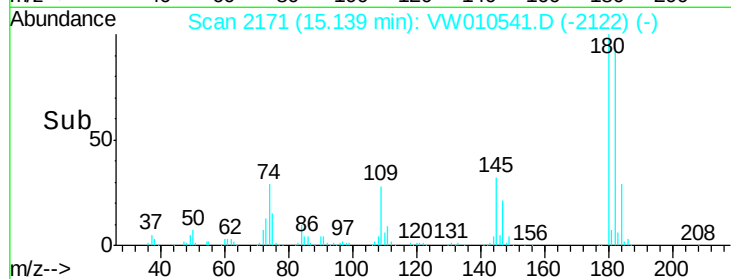
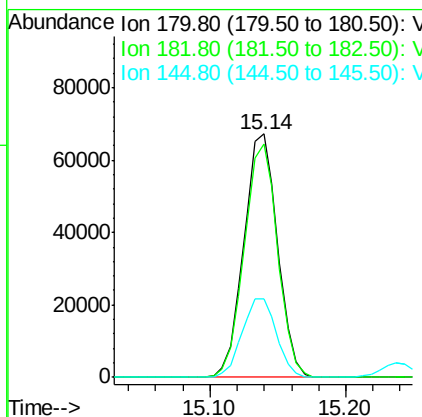
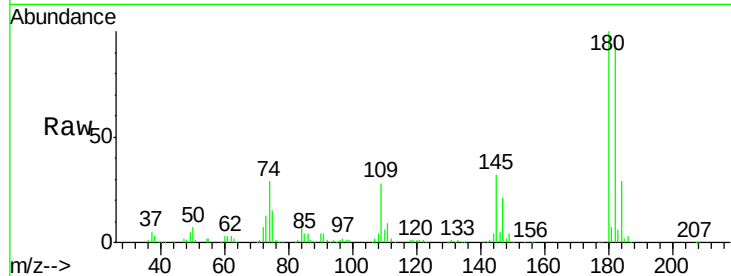
#93
 1,2,4-Trichlorobenzene
 Concen: 50.576 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116554		
182	95.0	47.0	141.2	
145	33.0	16.7	50.0	

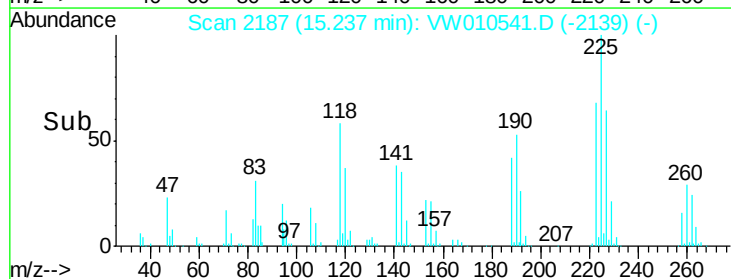
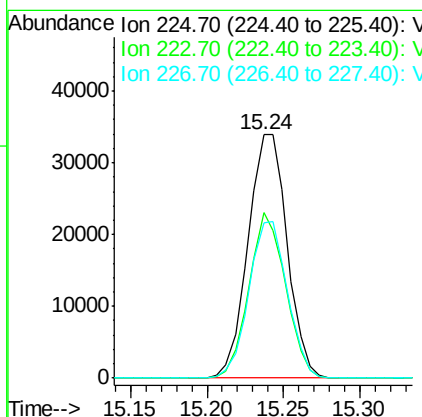
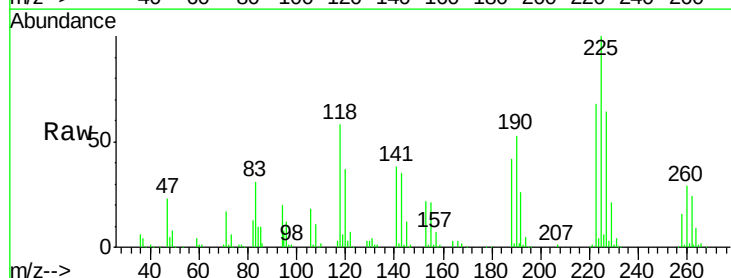
Manual Integrations
 APPROVED

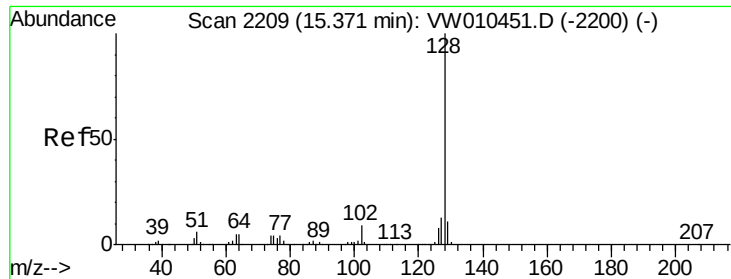
MMDadoda
 5/24/2019 11:00:00 AM



#94
 Hexachlorobutadiene
 Concen: 49.057 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010541.D
 Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60395		
223	63.7	31.1	93.2	
227	63.5	31.1	93.5	





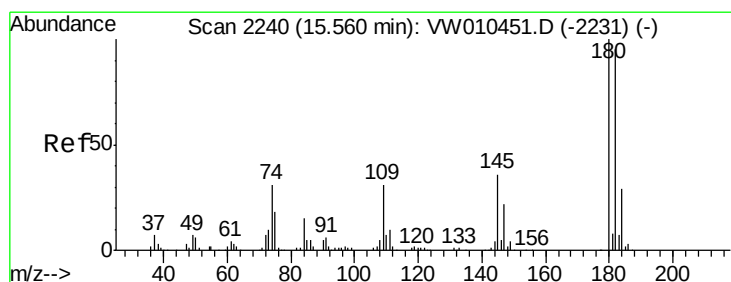
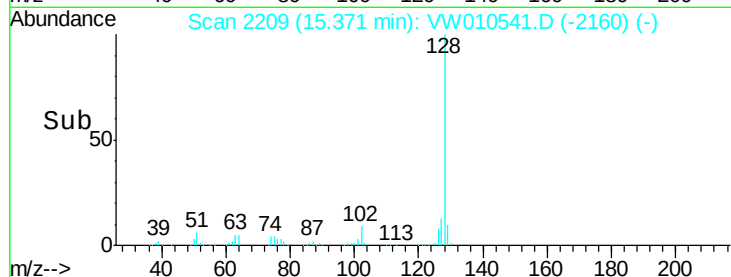
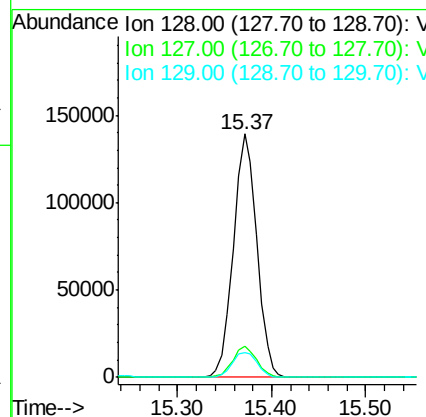
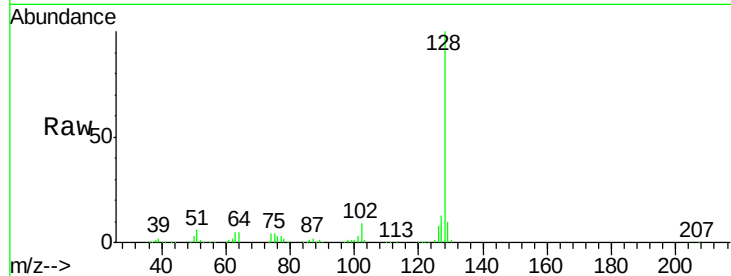
#95
Naphthalene
Concen: 49.649 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240175		
127	13.0		10.6	15.8
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:00:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.391 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010541.D
Acq: 23 May 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101906		
182	94.6		47.1	141.3
145	35.8		17.4	52.3

