

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010524.D
 Acq On : 23 May 2019 12:22
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:44:17 PM

Quant Time: May 24 08:48:09 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	136614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	235103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	60069	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	
35) Dibromofluoromethane	7.88	113	66533	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
50) Toluene-d8	10.32	98	255792	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.62	95	95530	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64138	52.714	ug/l	100
3) Chloromethane	2.21	50	74004	51.558	ug/l	98
4) Vinyl Chloride	2.35	62	78648	47.304	ug/l	99
5) Bromomethane	2.76	94	55392	48.428	ug/l	99
6) Chloroethane	2.92	64	53292	49.932	ug/l	95
7) Trichlorofluoromethane	3.26	101	134938	54.973	ug/l	96
8) Diethyl Ether	3.68	74	40379	51.894	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83464	55.213	ug/l	98
10) Methyl Iodide	4.27	142	102372	59.249	ug/l	97
11) Tert butyl alcohol	5.17	59	27813	219.283	ug/l	97
12) 1,1-Dichloroethene	4.04	96	80384	55.706	ug/l	98
13) Acrolein	3.89	56	22016	302.583	ug/l	97
14) Allyl chloride	4.67	41	111743	53.498	ug/l	98
15) Acrylonitrile	5.37	53	73634	225.962	ug/l	100
16) Acetone	4.12	43	77491	269.225	ug/l	98
17) Carbon Disulfide	4.38	76	233659	54.288	ug/l	100
18) Methyl Acetate	4.67	43	30685	43.590	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	187168	50.879	ug/l	97
20) Methylene Chloride	4.92	84	82747	48.883	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	93557	56.524	ug/l	98
22) Diisopropyl ether	6.31	45	226530	52.892	ug/l	98
23) Vinyl Acetate	6.25	43	646857	252.841	ug/l	99
24) 1,1-Dichloroethane	6.21	63	142580	55.786	ug/l	97
25) 2-Butanone	7.17	43	99661	241.947	ug/l	99
26) 2,2-Dichloropropane	7.16	77	143489	58.938	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	102646	57.043	ug/l	99
28) Bromochloromethane	7.51	49	44664	48.809	ug/l	93
29) Tetrahydrofuran	7.53	42	59076	211.946	ug/l	98
30) Chloroform	7.67	83	154849	56.169	ug/l	95
31) Cyclohexane	7.95	56	133408	49.831	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	148412	56.325	ug/l	99
36) 1,1-Dichloropropene	8.08	75	121356	55.411	ug/l	99
37) Ethyl Acetate	7.25	43	42304	45.423	ug/l	99
38) Carbon Tetrachloride	8.07	117	133454	56.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	161306	54.974	ug/l	99
40) Benzene	8.32	78	347139	57.027	ug/l	99
41) Methacrylonitrile	7.48	41	24436	44.158	ug/l	98
42) 1,2-Dichloroethane	8.40	62	92726	53.297	ug/l	99
43) Isopropyl Acetate	8.42	43	84187	45.247	ug/l	98
44) Trichloroethene	9.09	130	103956	57.524	ug/l	98
45) 1,2-Dichloropropane	9.37	63	80475	55.665	ug/l	98
46) Dibromomethane	9.46	93	44901	53.107	ug/l	98
47) Bromodichloromethane	9.65	83	115888	54.544	ug/l	97
48) Methyl methacrylate	9.43	41	41174	48.371	ug/l	97
49) 1,4-Dioxane	9.45	88	11153	807.516	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	211114	223.920	ug/l	98
52) Toluene	10.39	92	234379	57.333	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	115193	53.533	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	136756	55.648	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	64772	53.275	ug/l	98
56) Ethyl methacrylate	10.65	69	80480	47.996	ug/l	98
57) 1,3-Dichloropropane	10.93	76	106742	52.413	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	169115	227.700	ug/l	98
59) 2-Hexanone	10.97	43	151078	224.634	ug/l	98
60) Dibromochloromethane	11.13	129	83796	54.458	ug/l	100
61) 1,2-Dibromoethane	11.24	107	63879	51.866	ug/l	98
64) Tetrachloroethene	10.86	164	83324	57.205	ug/l	99
65) Chlorobenzene	11.66	112	254604	57.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	90076	56.465	ug/l	99
67) Ethyl Benzene	11.73	91	439033	55.840	ug/l	99
68) m/p-Xylenes	11.84	106	348574	113.031	ug/l	99
69) o-Xylene	12.16	106	163295	55.889	ug/l	99
70) Styrene	12.18	104	275157	55.503	ug/l	100
71) Bromoform	12.35	173	44600	50.770	ug/l	# 100
73) Isopropylbenzene	12.47	105	443613	57.183	ug/l	100
74) N-amyl acetate	12.27	43	77541	43.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	69052	48.937	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	47747m	48.115	ug/l	
77) Bromobenzene	12.75	156	101063	58.214	ug/l	95
78) n-propylbenzene	12.80	91	509903	56.400	ug/l	99
79) 2-Chlorotoluene	12.90	91	296161	56.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	372837	56.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22792	47.934	ug/l	98
82) 4-Chlorotoluene	12.99	91	306375	56.299	ug/l	99
83) tert-Butylbenzene	13.21	119	320992	55.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	365831	55.904	ug/l	100
85) sec-Butylbenzene	13.38	105	446543	55.597	ug/l	99
86) p-Isopropyltoluene	13.50	119	402108	55.312	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	191951	56.356	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	192911	56.451	ug/l	99
89) n-Butylbenzene	13.83	91	373656	54.036	ug/l	99
90) Hexachloroethane	14.10	117	79335	56.381	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	172878	55.705	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11300	43.068	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	112967	53.500	ug/l	99
94) Hexachlorobutadiene	15.24	225	61158	54.216	ug/l	99
95) Naphthalene	15.37	128	206826	46.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	93551	51.489	ug/l	99

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

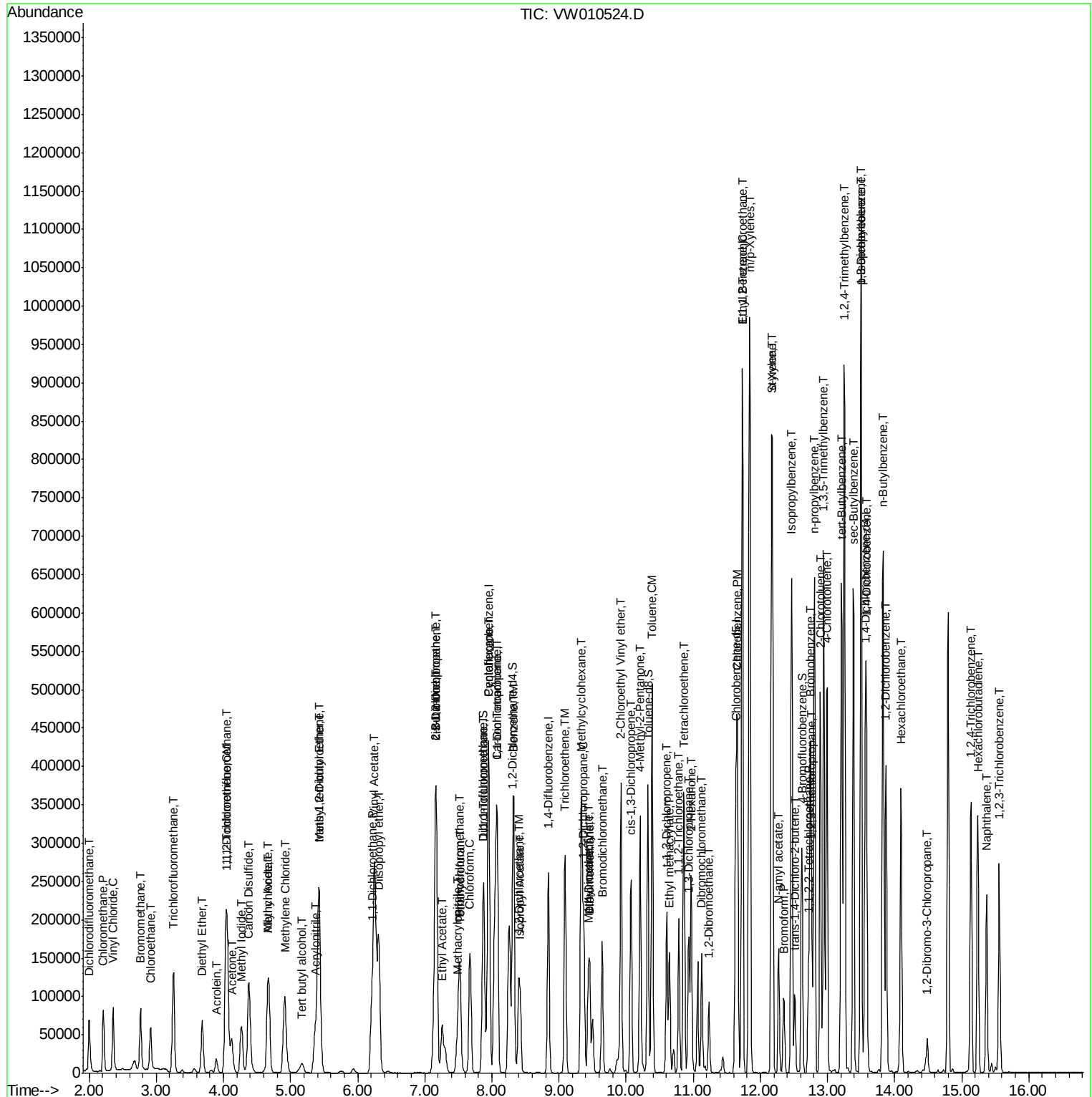
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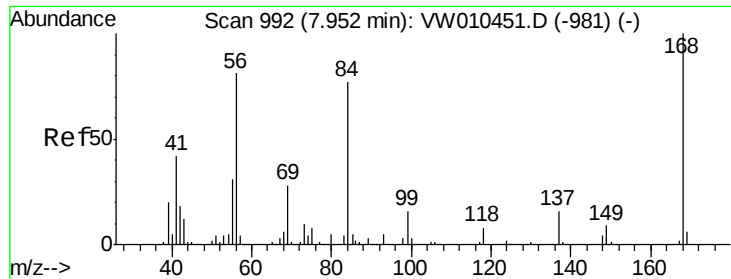
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 136614

Ion Ratio Lower Upper

168 100

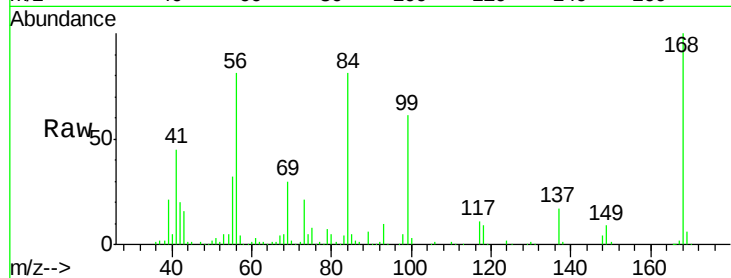
99 61.0 46.1 69.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

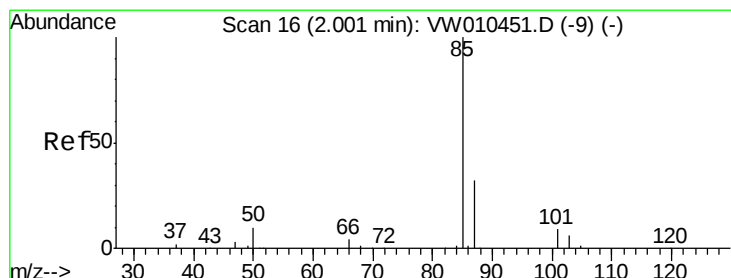
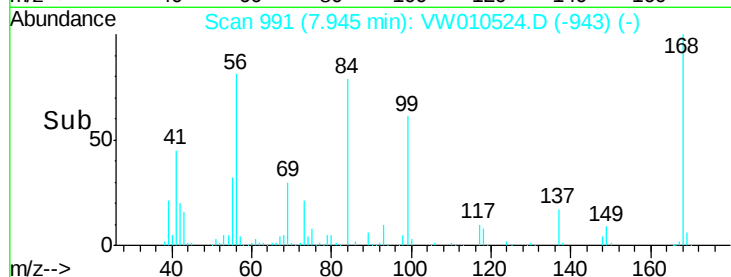
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.714 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010524.D

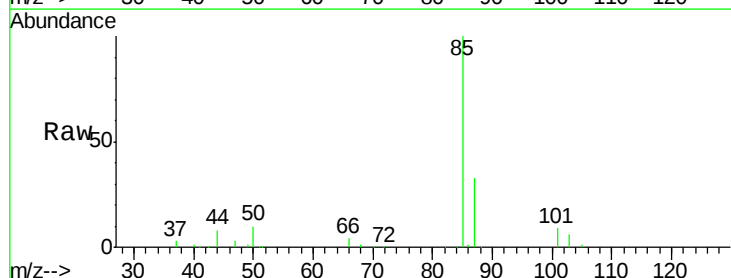
Acq: 23 May 2019 12:22

Tgt Ion: 85 Resp: 64138

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

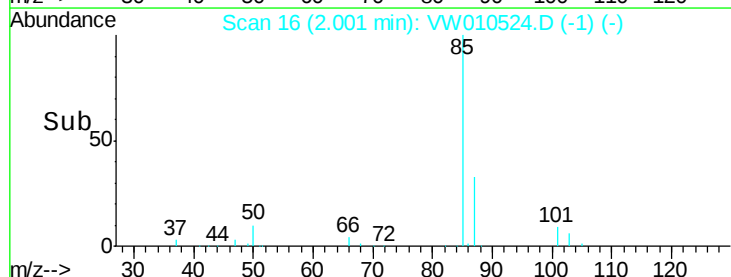
20000

10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.558 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 74004

Ion Ratio Lower Upper

50 100

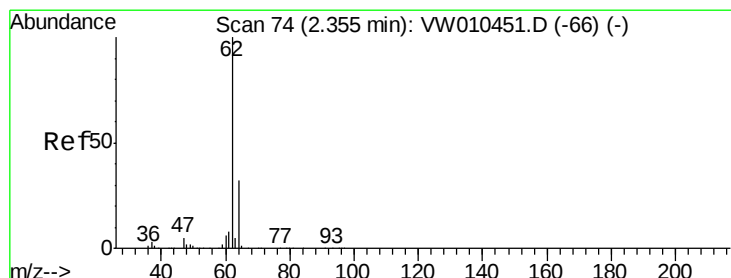
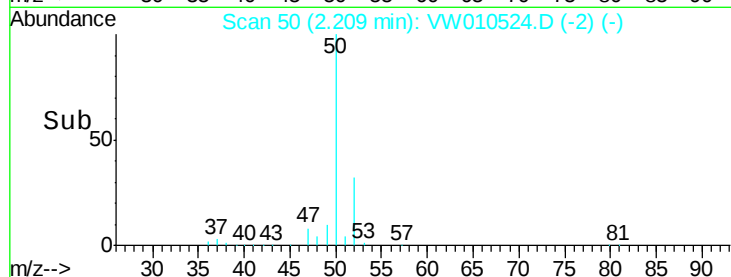
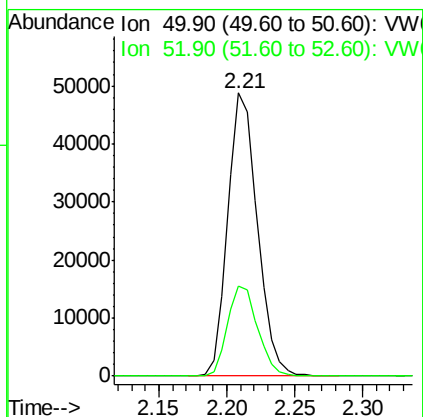
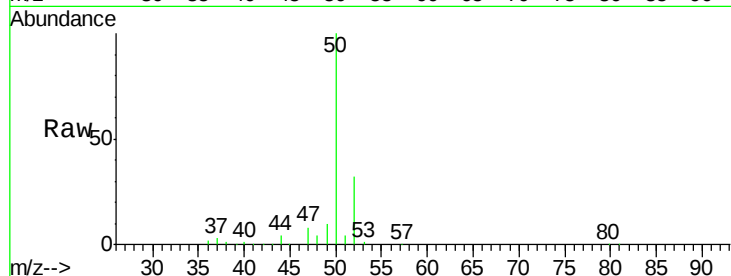
52 31.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.304 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010524.D

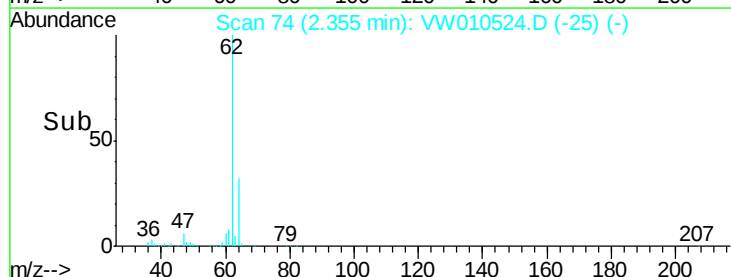
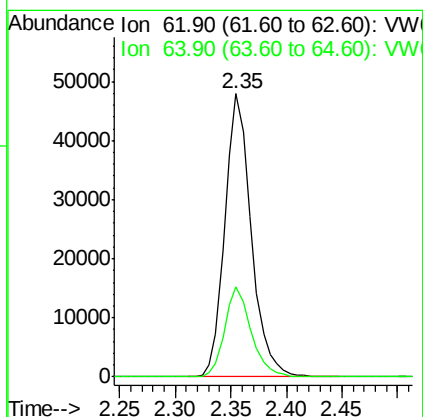
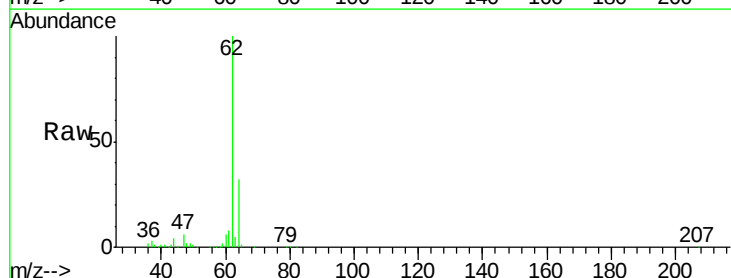
Acq: 23 May 2019 12:22

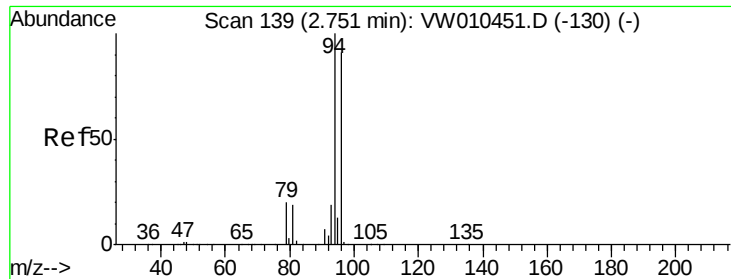
Tgt Ion: 62 Resp: 78648

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 48.428 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55392

Ion Ratio Lower Upper

94 100

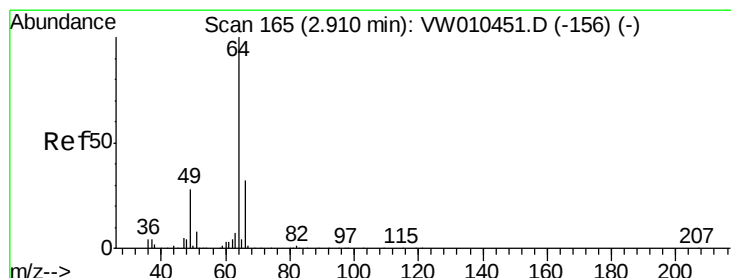
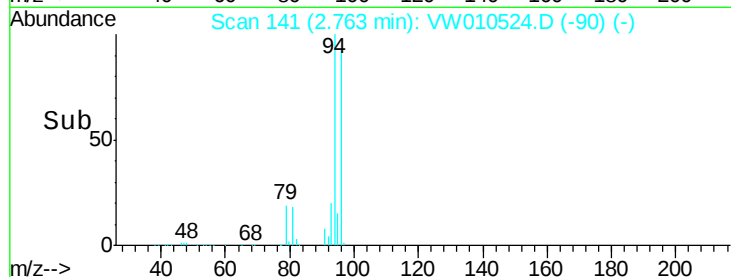
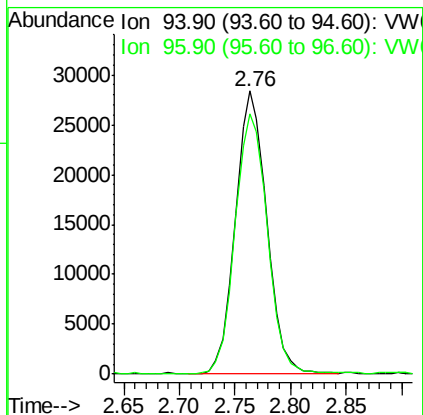
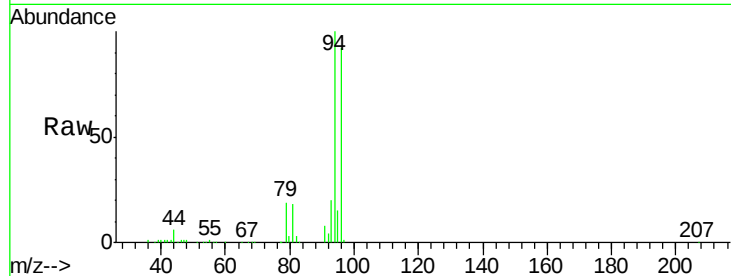
96 91.6 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 49.932 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010524.D

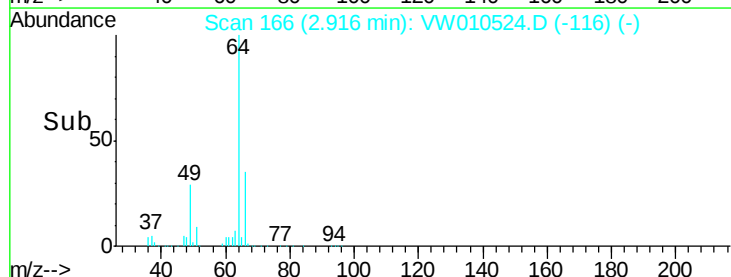
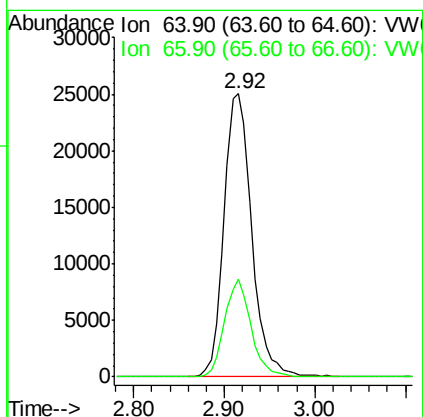
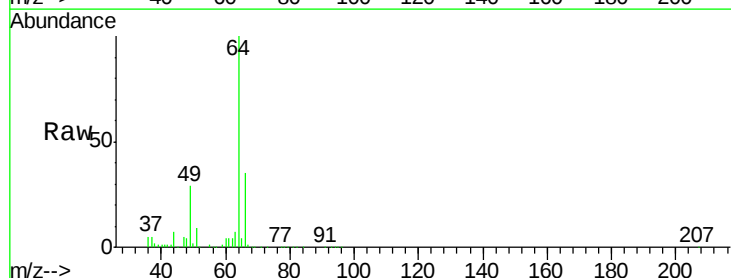
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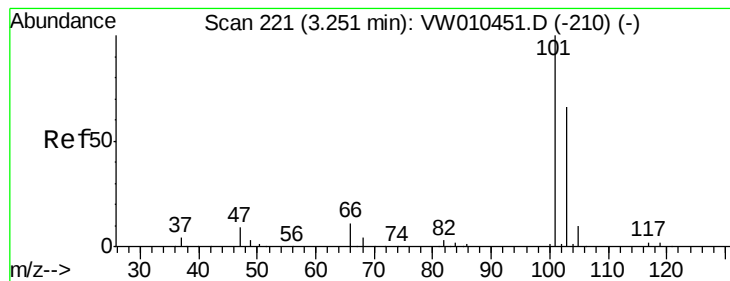
Tgt Ion: 64 Resp: 53292

Ion Ratio Lower Upper

64 100

66 34.5 25.5 38.3





#7

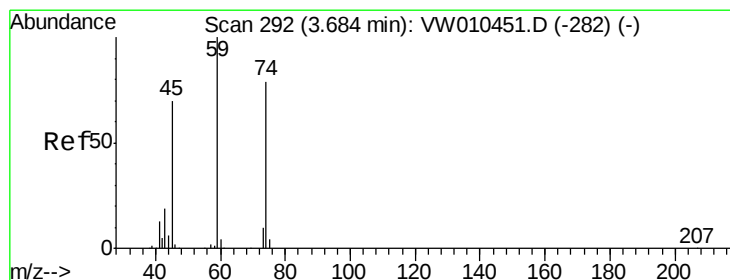
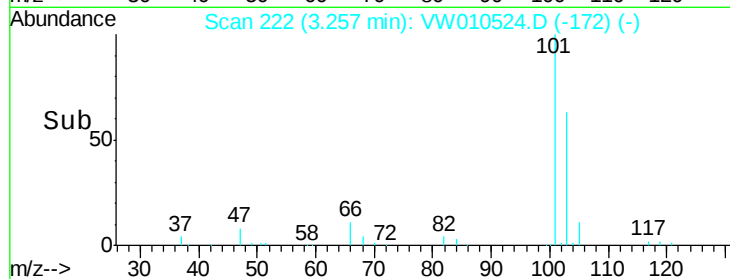
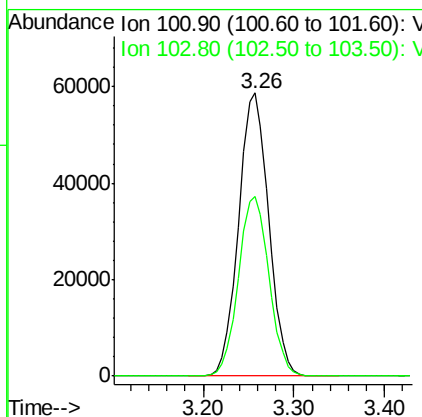
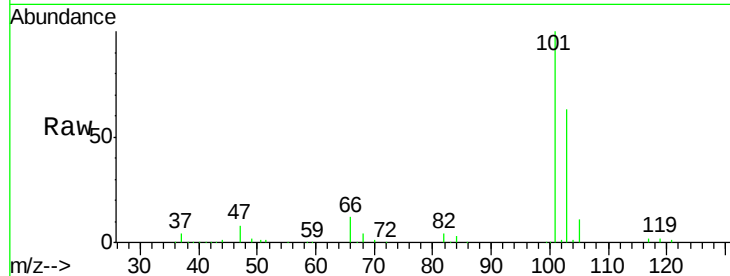
Trichlorofluoromethane
 Concen: 54.973 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.4

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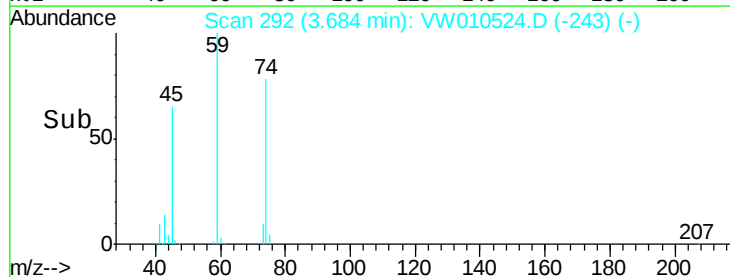
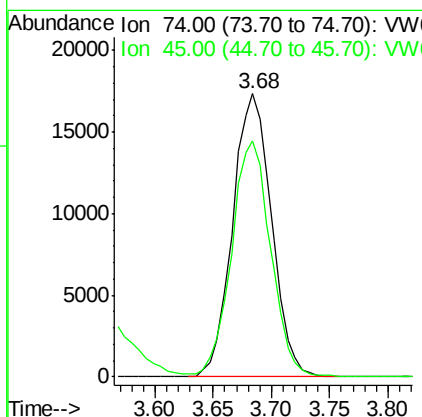
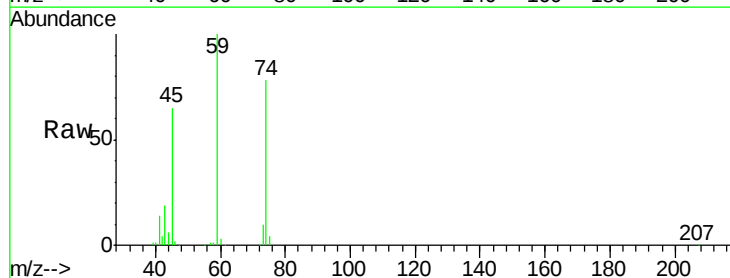
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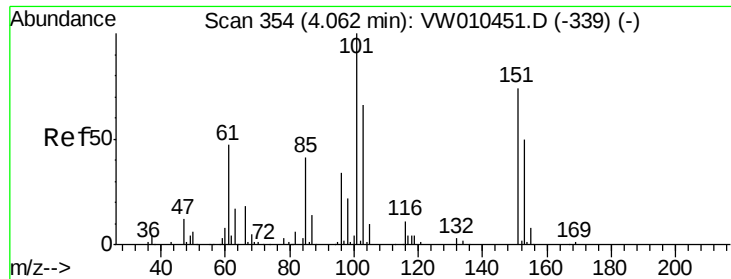


#8

Diethyl Ether
 Concen: 51.894 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.0	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.213 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010524.D

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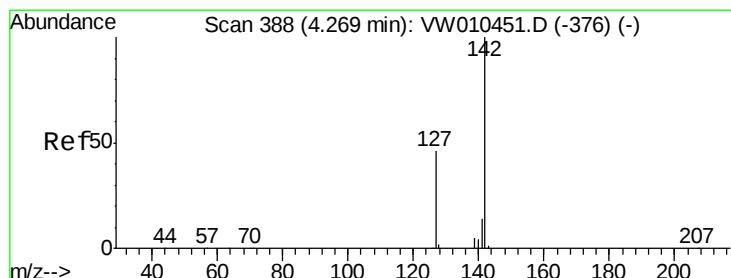
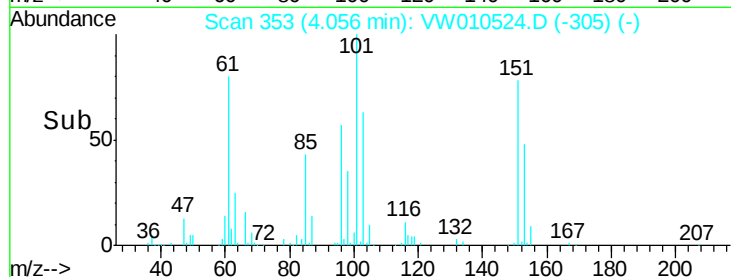
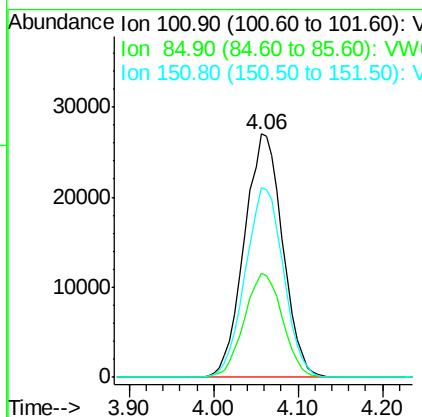
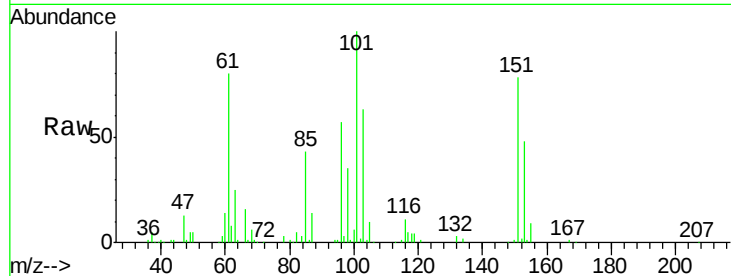
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	83464
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.3	51.5
151	77.5	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:44:17 PM



#10

Methyl Iodide

Concen: 59.249 ug/l

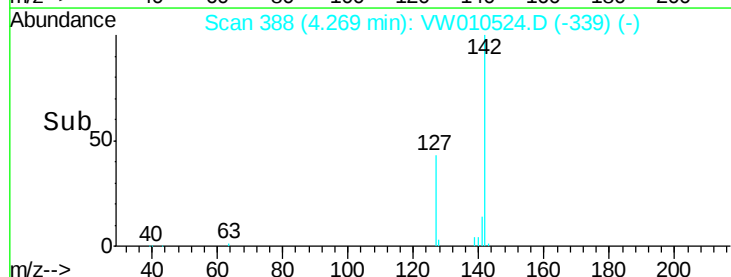
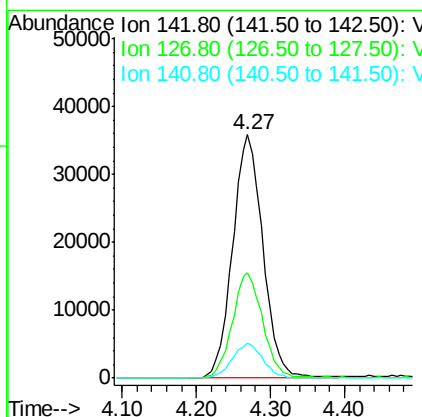
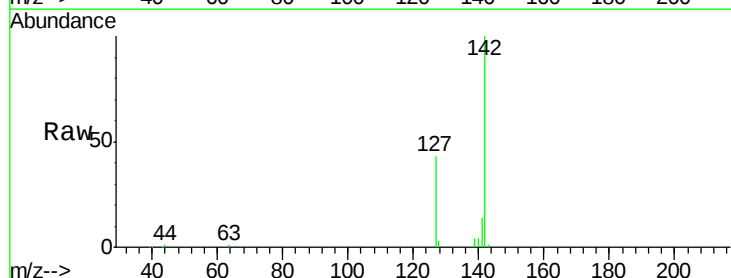
RT: 4.27 min Scan# 388

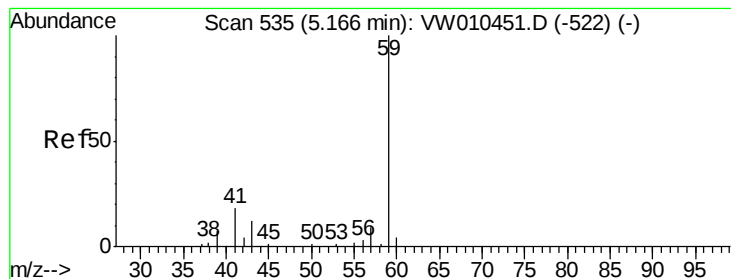
Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion:	142	Resp:	102372
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.1	54.1
141	14.3	11.3	16.9





#11

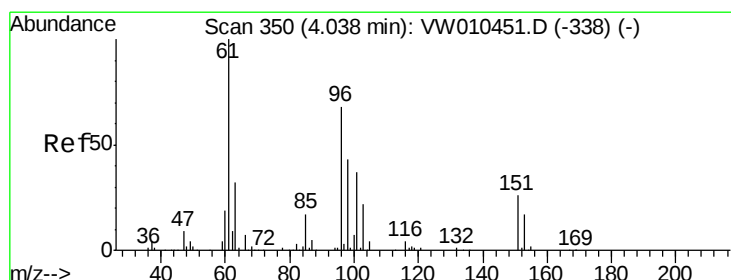
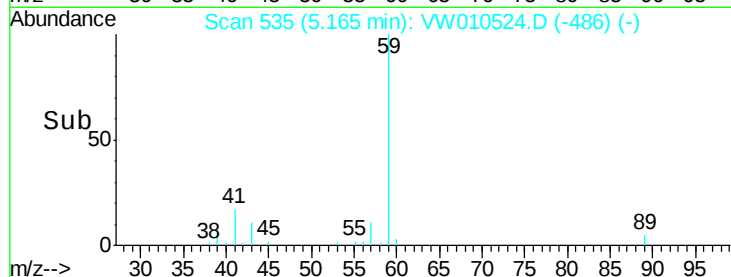
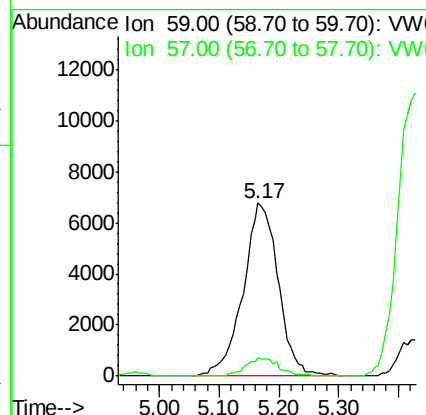
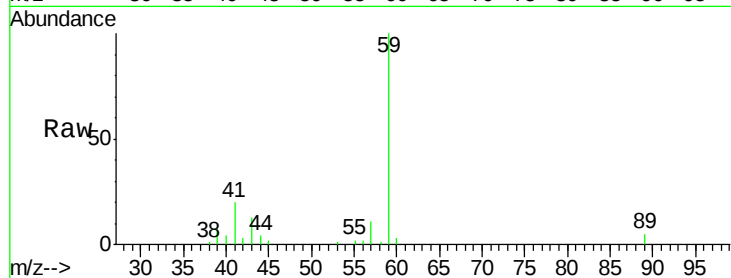
Tert butyl alcohol
Concen: 219.283 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.8	13.2

Manual Integrations
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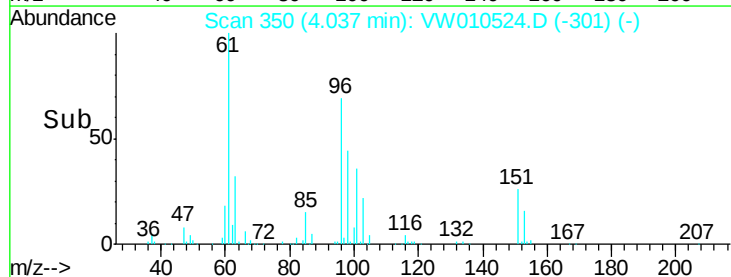
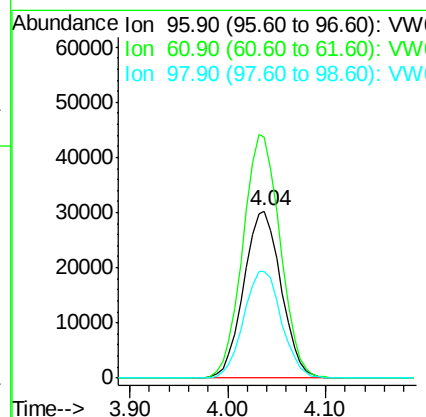
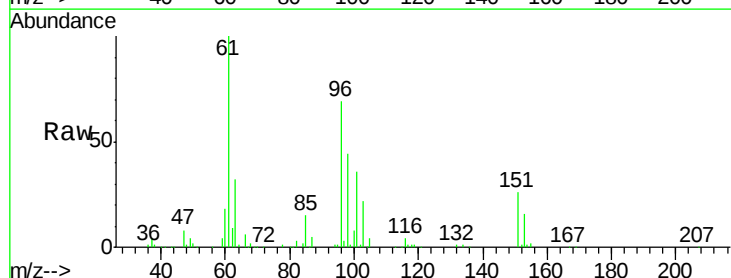
MMDadoda
5/24/2019 10:44:17 PM

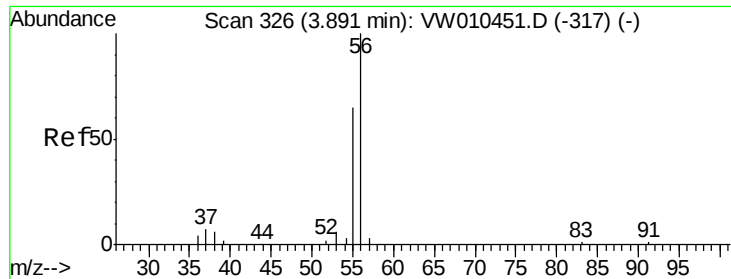


#12

1,1-Dichloroethene
Concen: 55.706 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	118.3	177.5
98	64.1	51.0	76.6





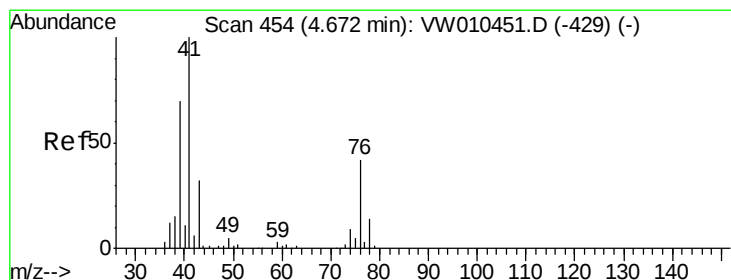
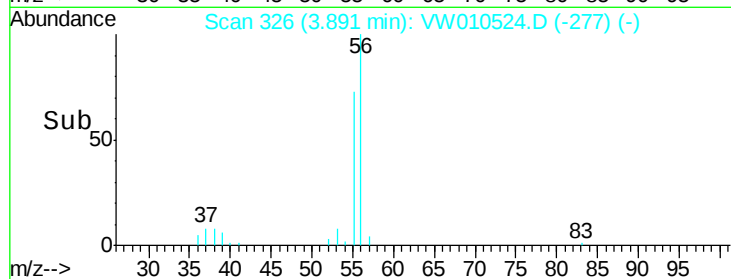
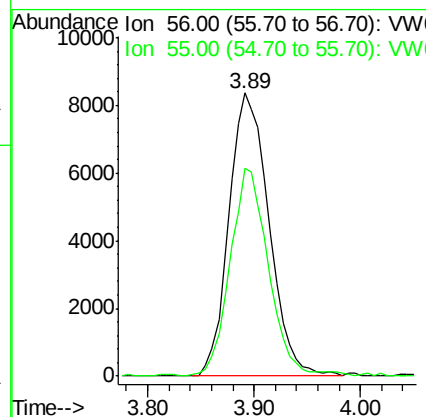
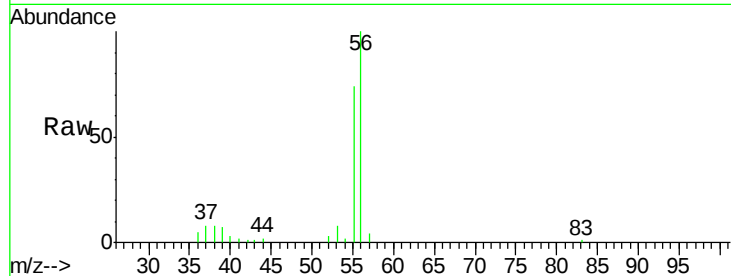
#13
Acrolein
Concen: 302.583 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.7	57.9	86.9	

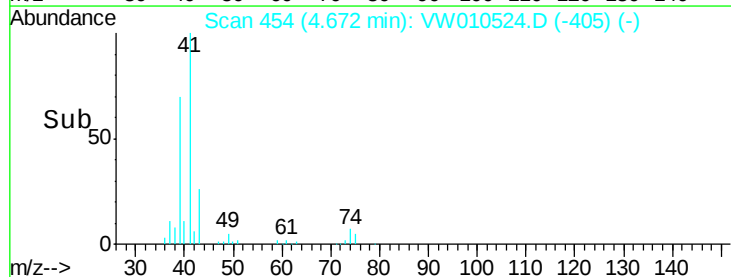
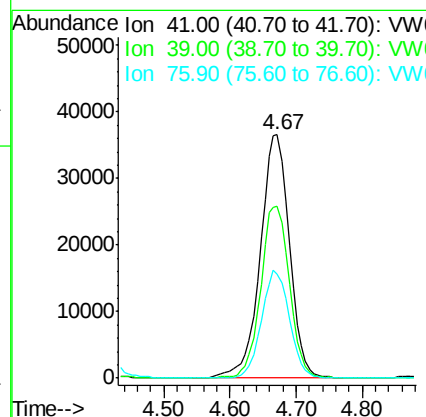
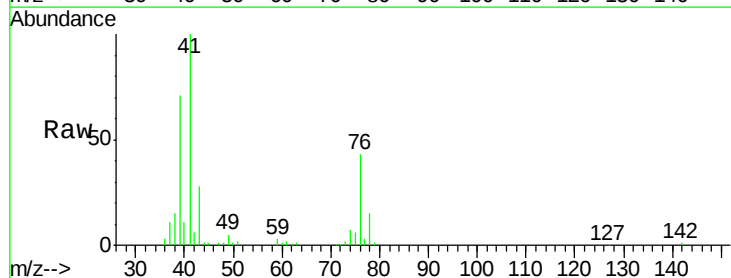
Manual Integrations
APPROVED

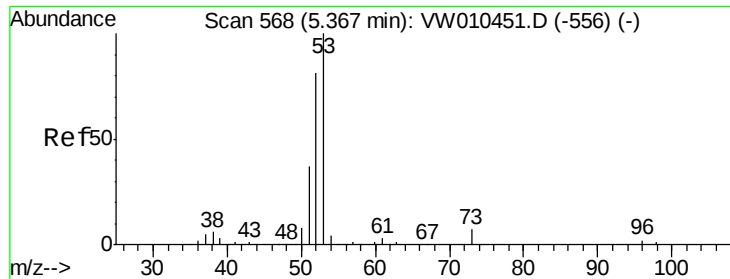
MMDadoda
5/24/2019 10:44:17 PM



#14
Allyl chloride
Concen: 53.498 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.0	55.0	82.4	
76	42.4	32.8	49.2	





#15

Acrylonitrile

Concen: 225.962 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

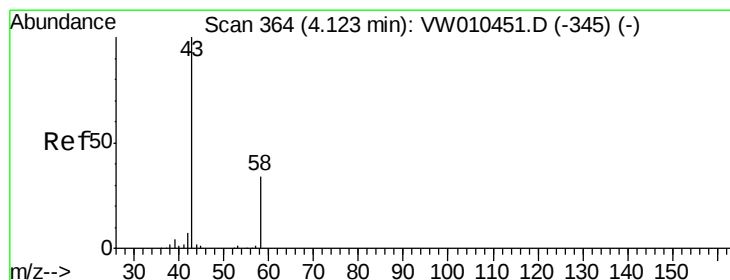
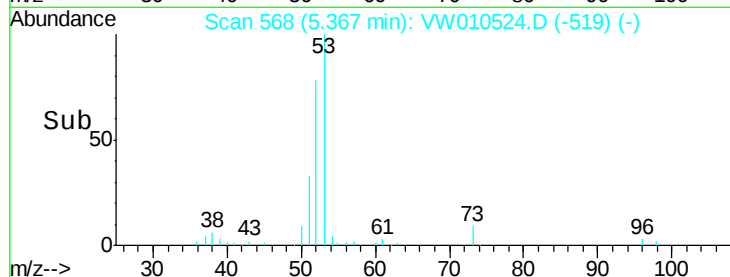
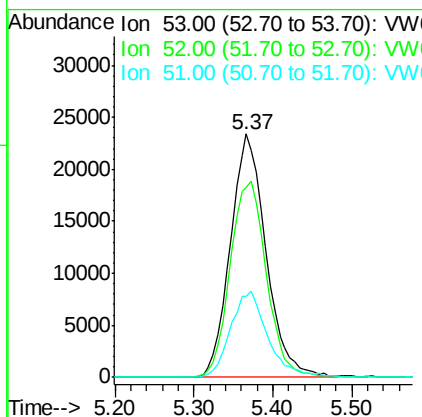
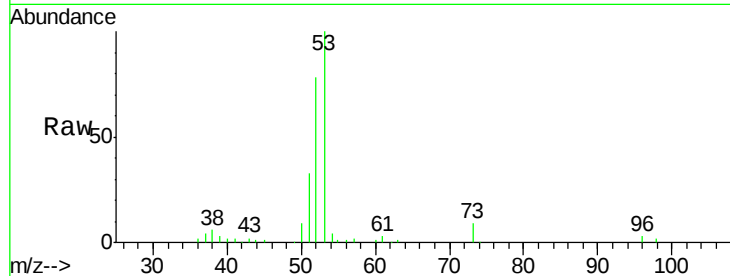
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	73634
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.6	98.4
51	36.9	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:44:17 PM



#16

Acetone

Concen: 269.225 ug/l

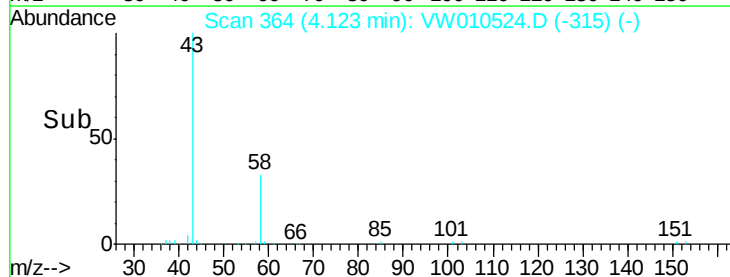
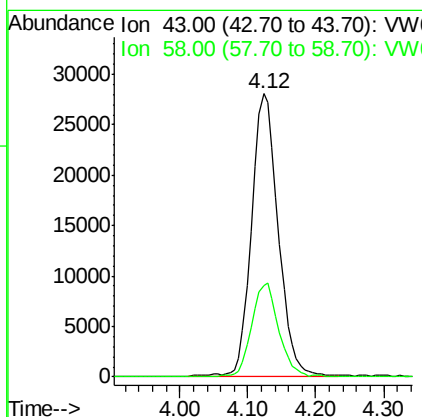
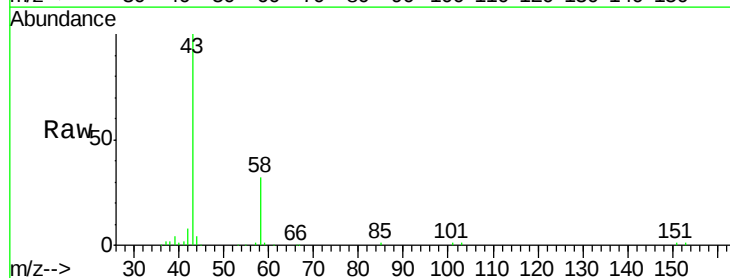
RT: 4.12 min Scan# 364

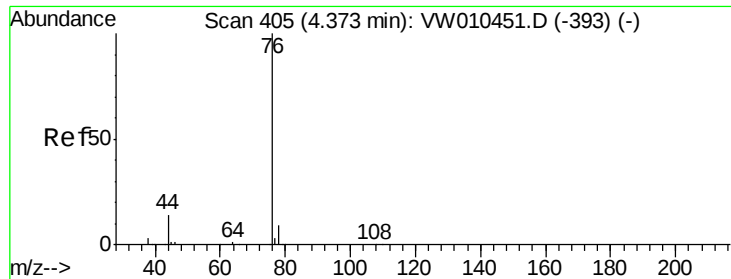
Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion:	43	Resp:	77491
Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.0	40.4





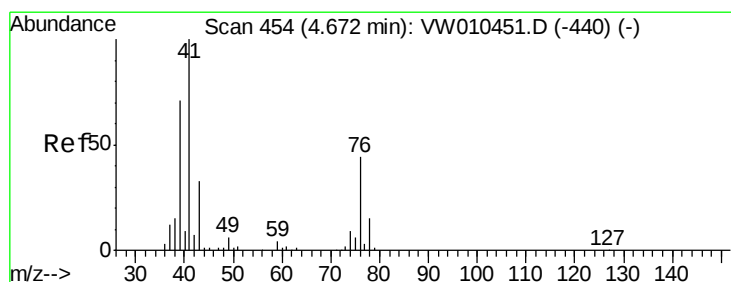
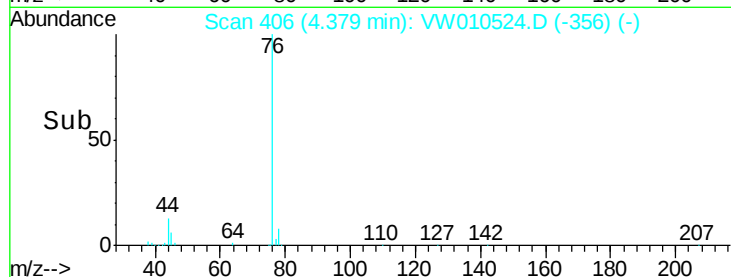
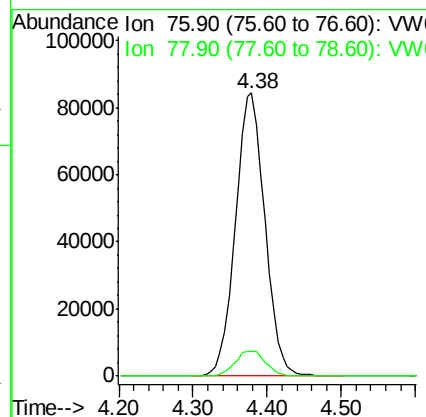
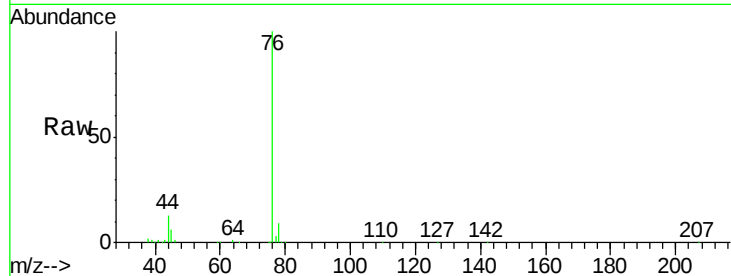
#17
Carbon Disulfide
Concen: 54.288 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

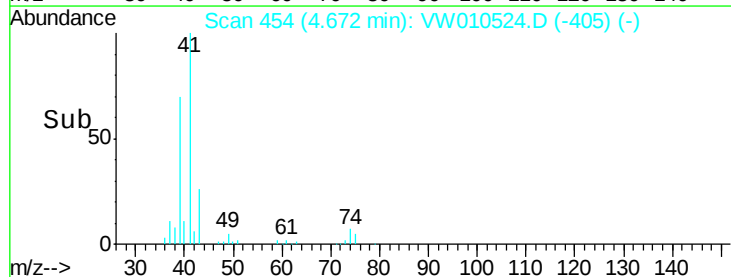
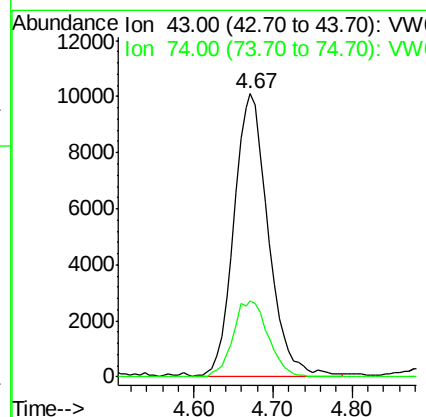
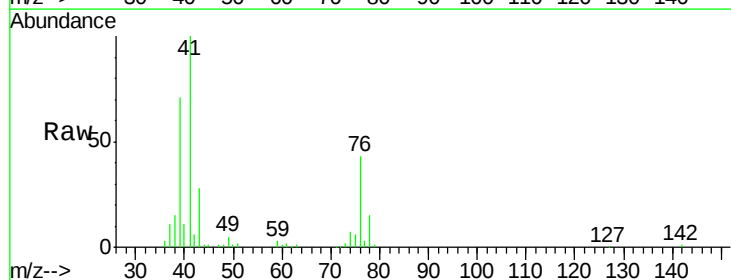
Manual Integrations
APPROVED

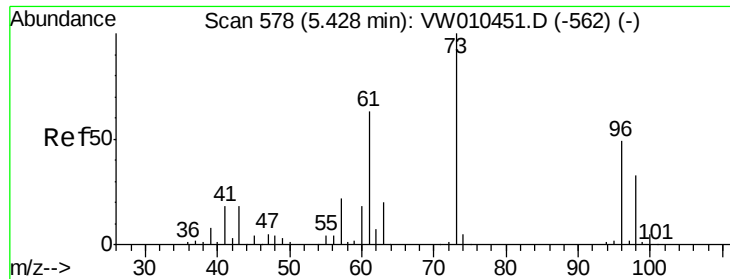
MMDadoda
5/24/2019 10:44:17 PM



#18
Methyl Acetate
Concen: 43.590 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.6	32.4





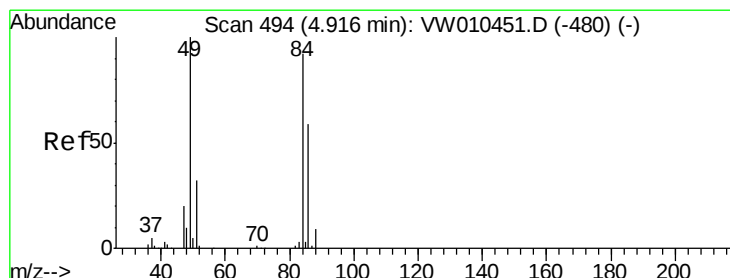
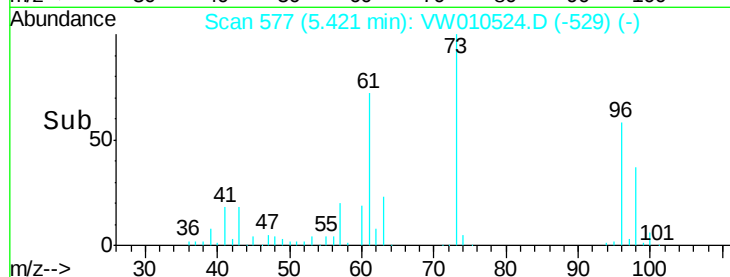
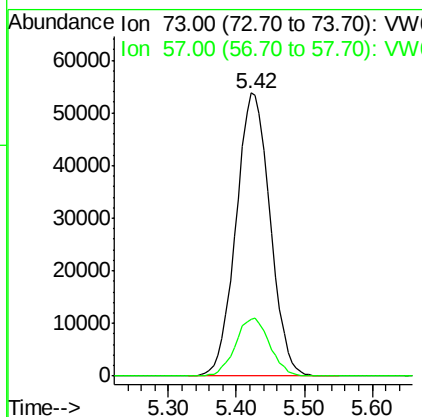
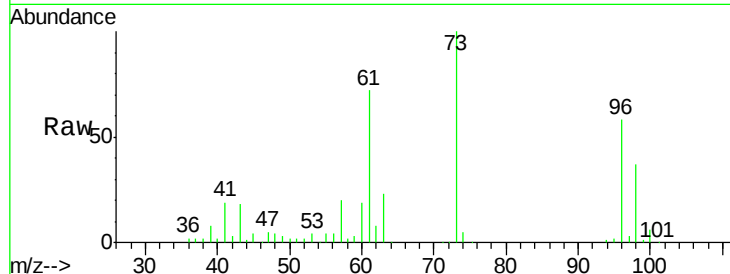
#19
Methvl tert-butvl Ether
Concen: 50.879 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 187168
Ion Ratio Lower Upper
73 100
57 20.1 17.4 26.0

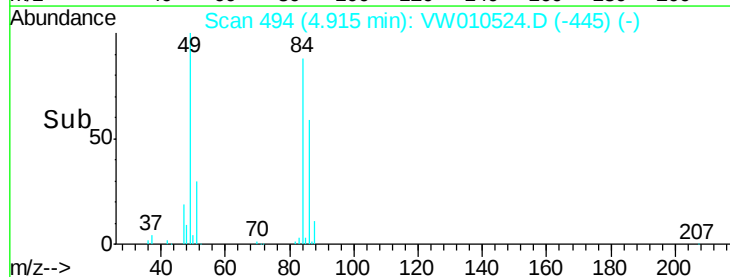
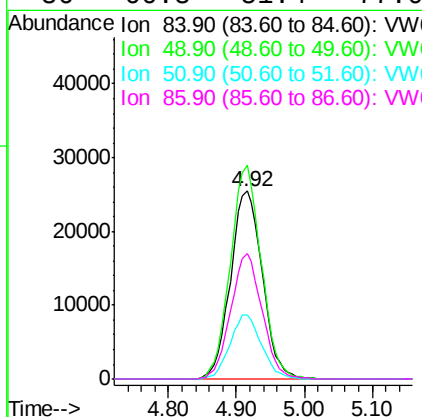
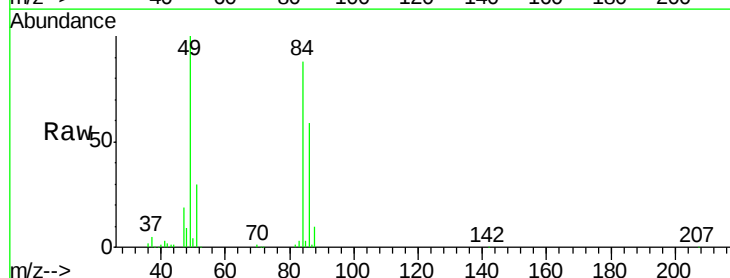
Manual Integrations
APPROVED

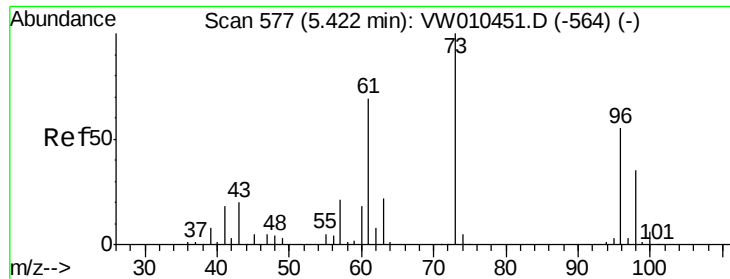
MMDadoda
5/24/2019 10:44:17 PM



#20
Methylene Chloride
Concen: 48.883 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion: 84 Resp: 82747
Ion Ratio Lower Upper
84 100
49 113.8 87.2 130.8
51 33.8 27.7 41.5
86 66.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 56.524 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

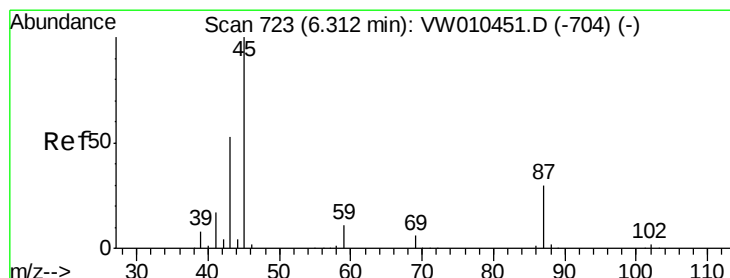
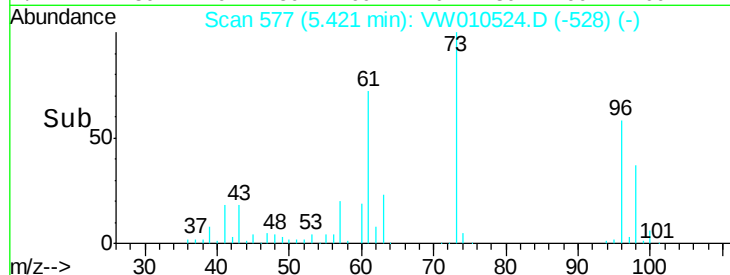
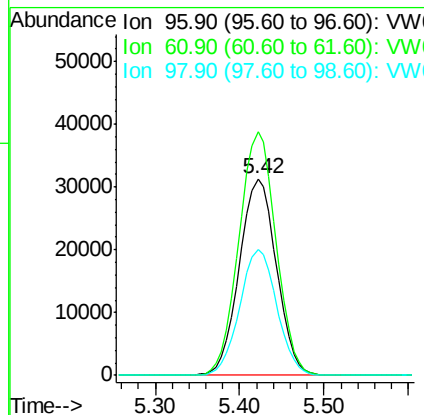
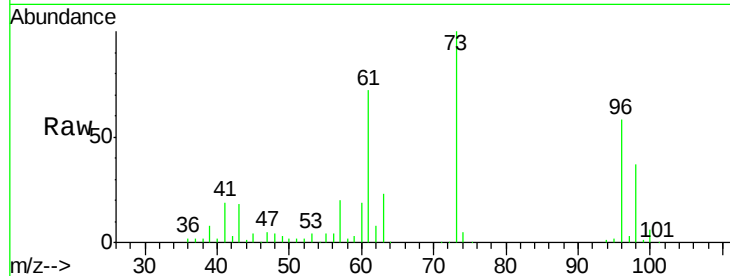
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	93557
Ion	Ratio	Lower	Upper
96	100		
61	124.1	101.4	152.0
98	64.1	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:44:17 PM



#22

Diisopropyl ether

Concen: 52.892 ug/l

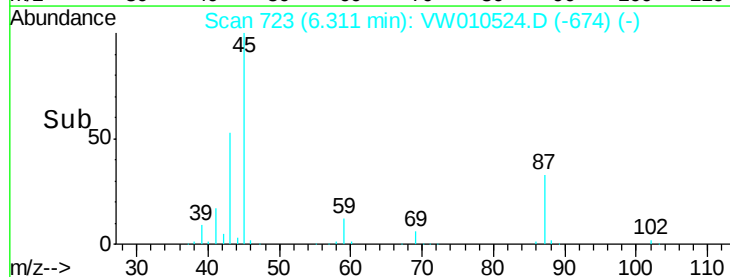
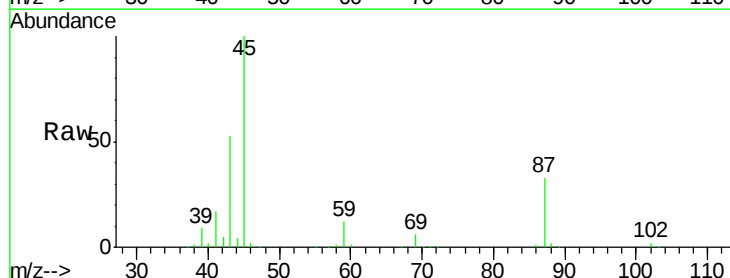
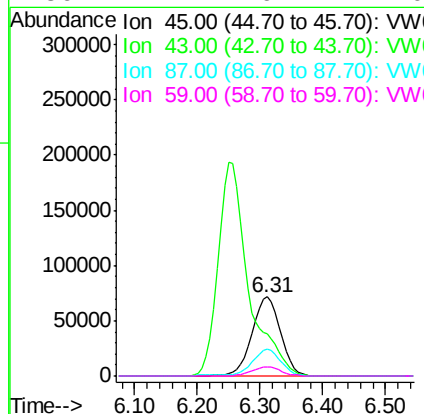
RT: 6.31 min Scan# 723

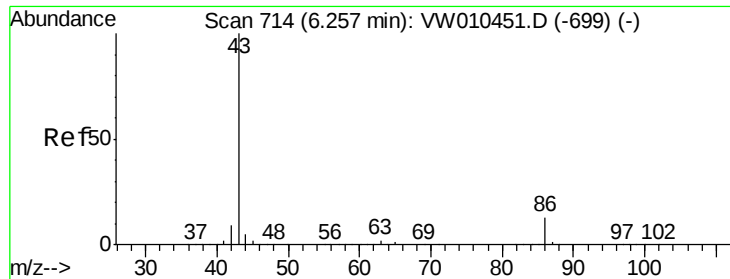
Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion:	45	Resp:	226530
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.9	64.3
87	33.5	24.6	36.8
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 252.841 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 646857

Ion Ratio Lower Upper

43 100

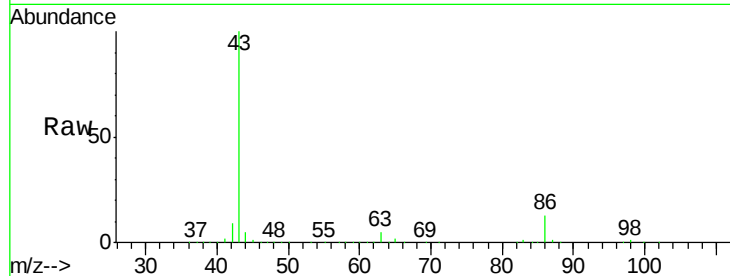
86 12.6 10.3 15.5

Manual Integrations

APPROVED

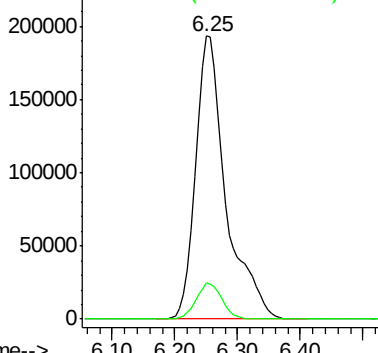
MMDadoda

5/24/2019 10:44:17 PM

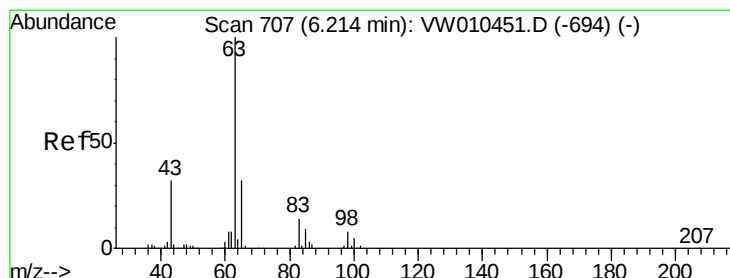
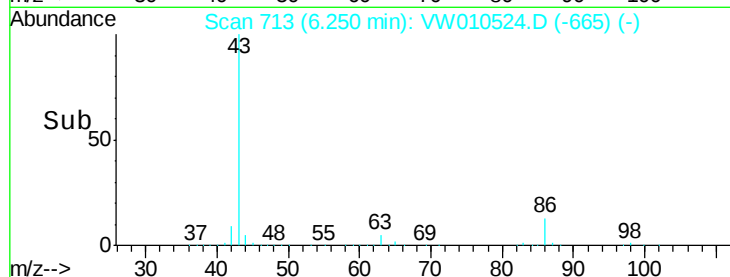


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.786 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

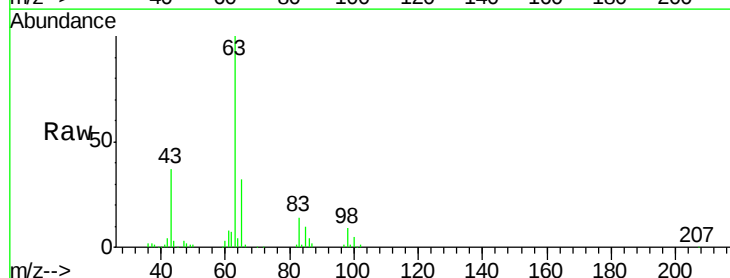
Tgt Ion: 63 Resp: 142580

Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.2

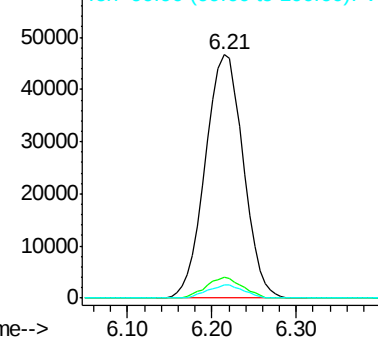
100 5.2 2.5 7.4



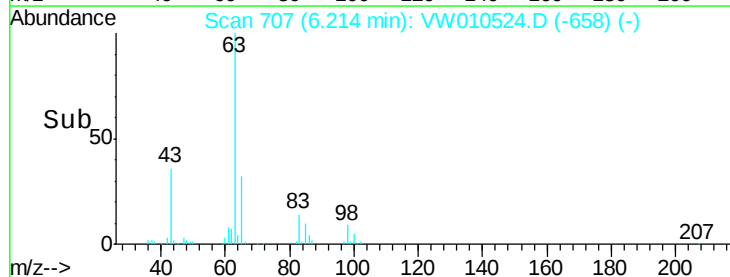
Abundance Ion 62.90 (62.60 to 63.60): VW

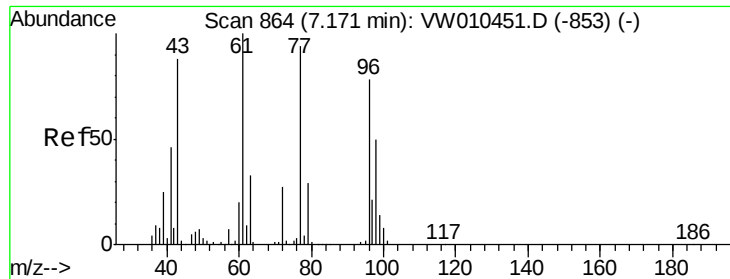
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 241.947 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 99661

Ion Ratio Lower Upper

43 100

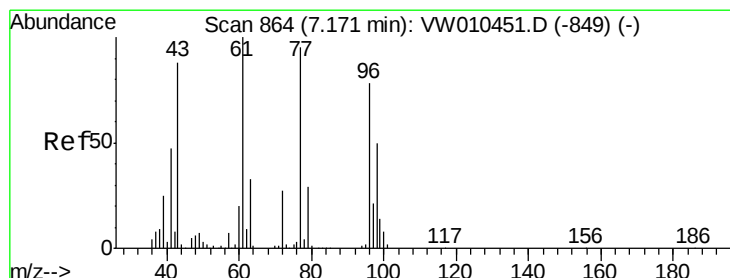
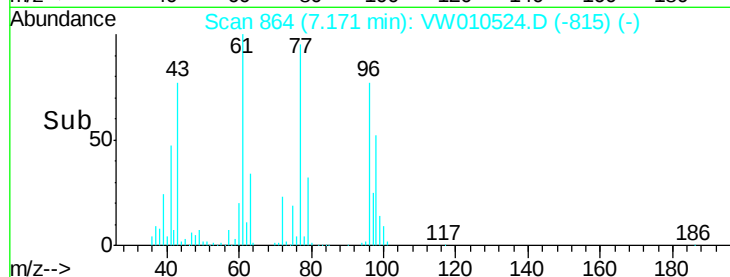
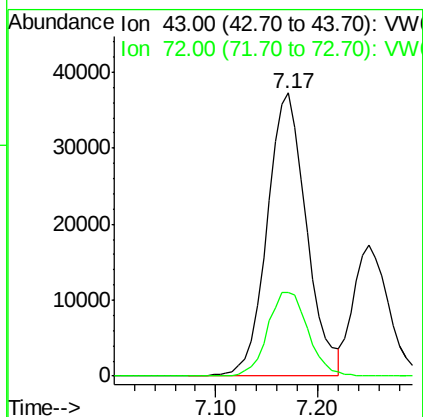
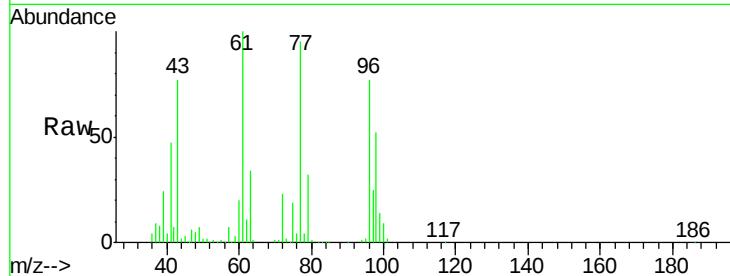
72 29.7 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 58.938 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010524.D

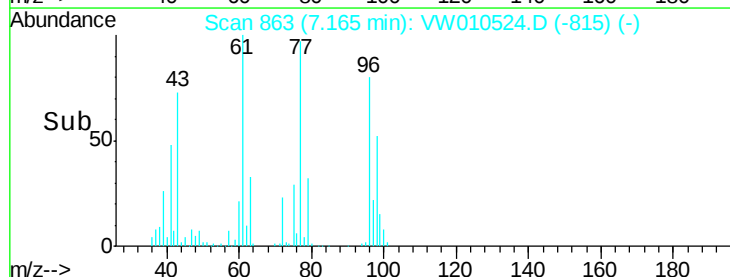
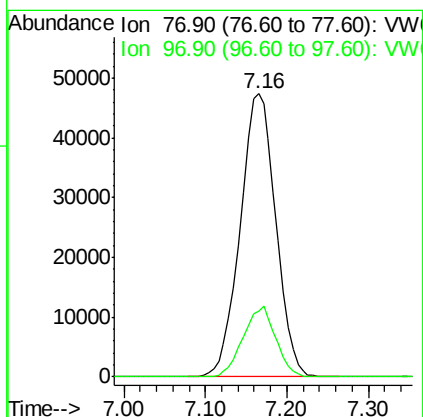
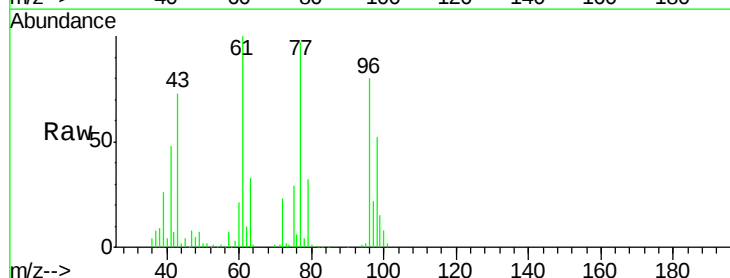
Acq: 23 May 2019 12:22

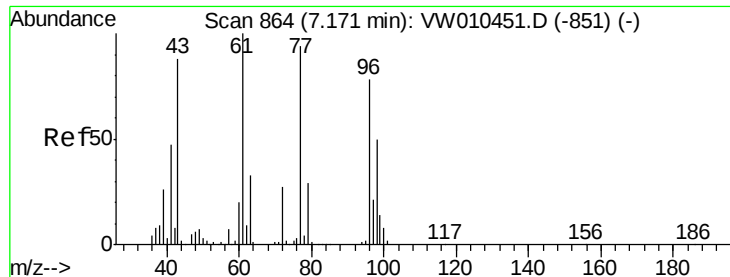
Tgt Ion: 77 Resp: 143489

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

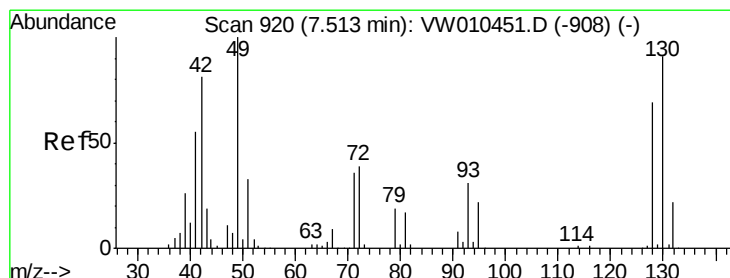
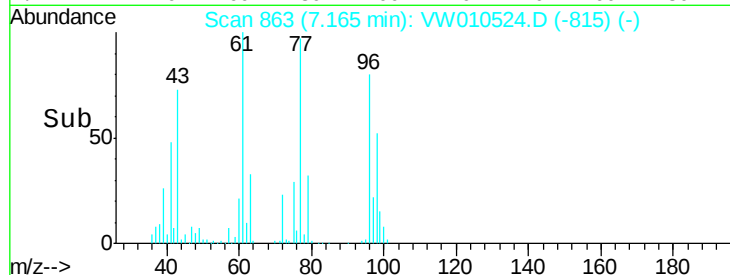
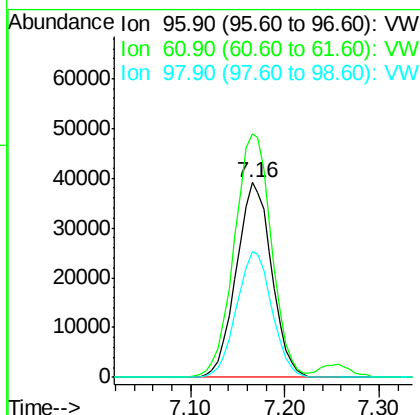
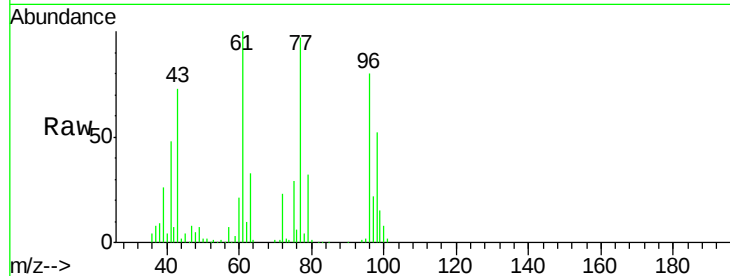
cis-1,2-Dichloroethene
 Concen: 57.043 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	131.4	0.0	265.4		
98	64.7	0.0	129.4		

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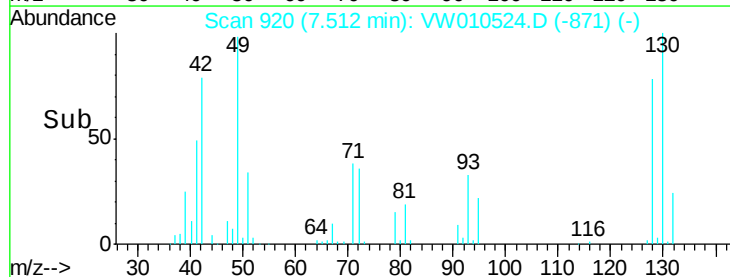
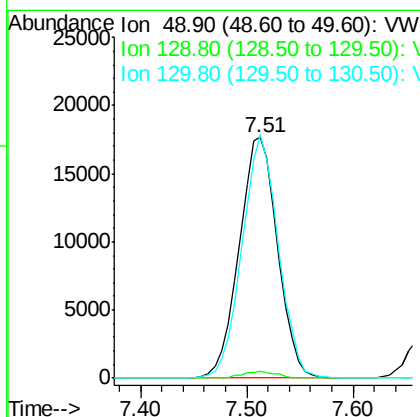
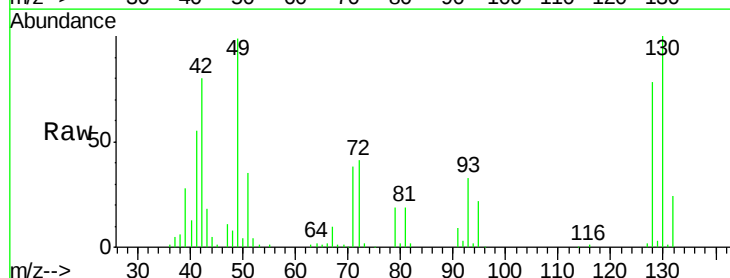
MMDadoda
 5/24/2019 10:44:17 PM

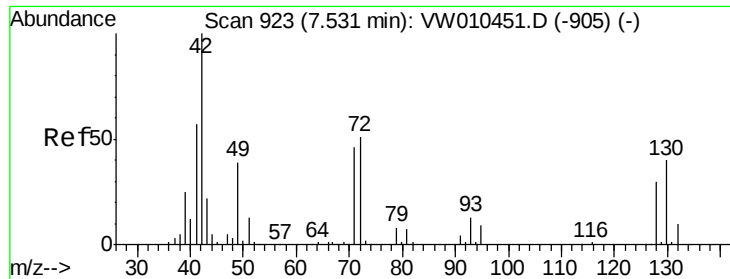


#28

Bromochloromethane
 Concen: 48.809 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.5	0.0	4.8		
130	95.6	71.2	106.8		





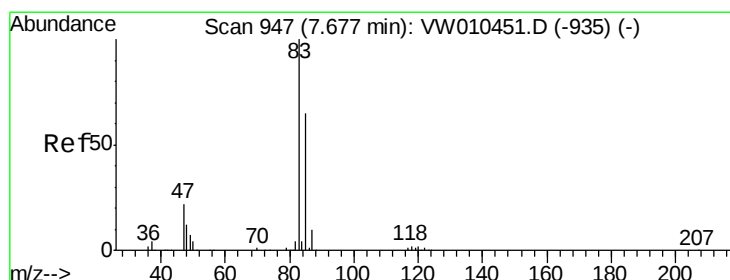
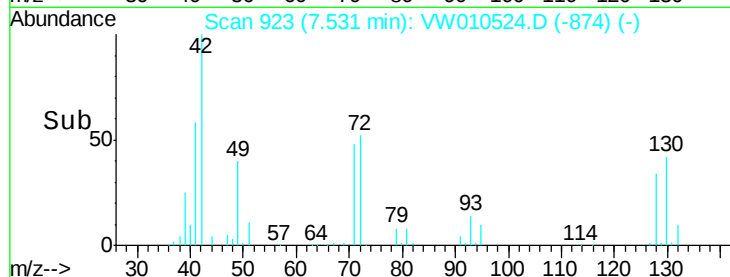
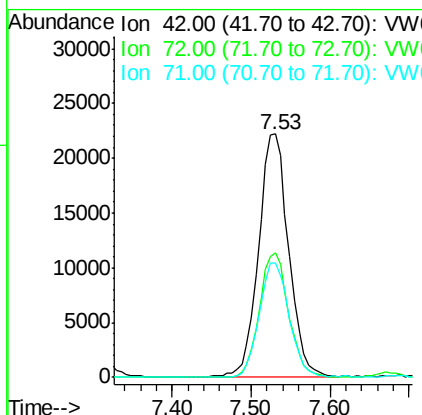
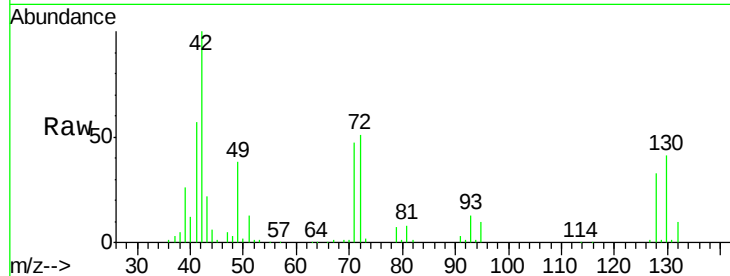
#29
Tetrahydrofuran
Concen: 211.946 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	38.5	57.7
71	46.9	36.5	54.7

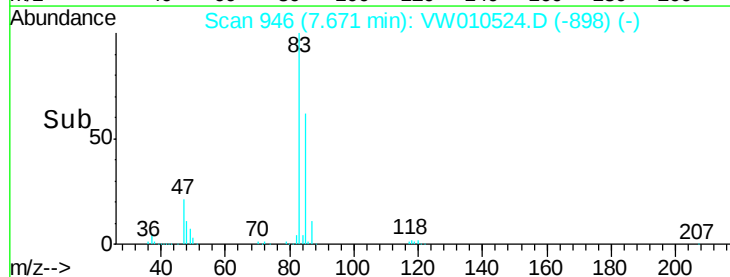
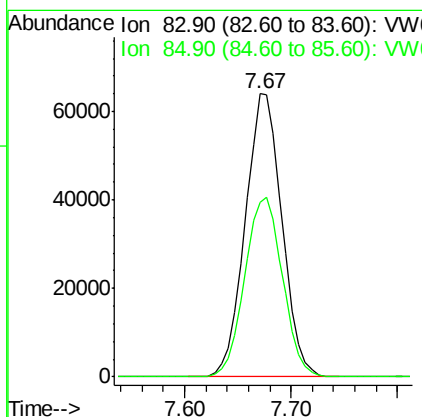
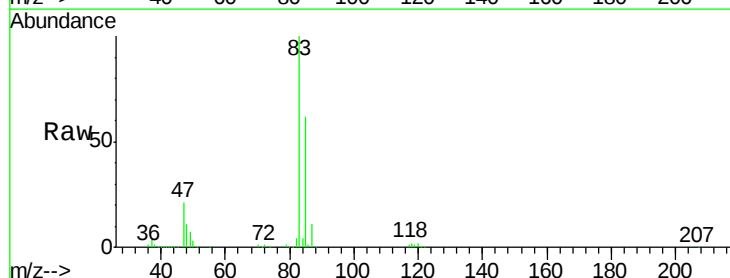
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APPROVED

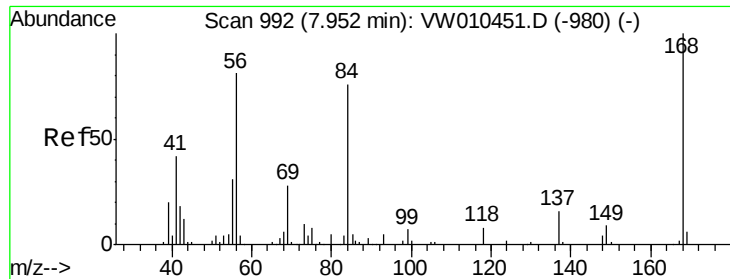
MMDadoda
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#30
Chloroform
Concen: 56.169 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.2	78.4





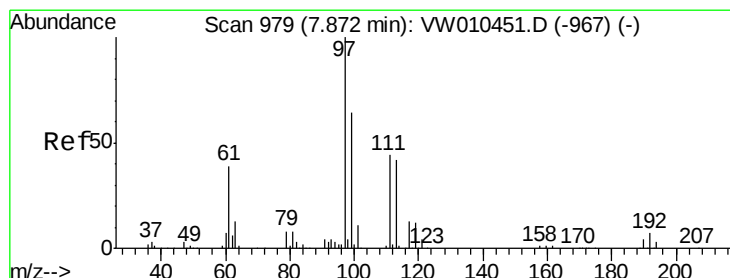
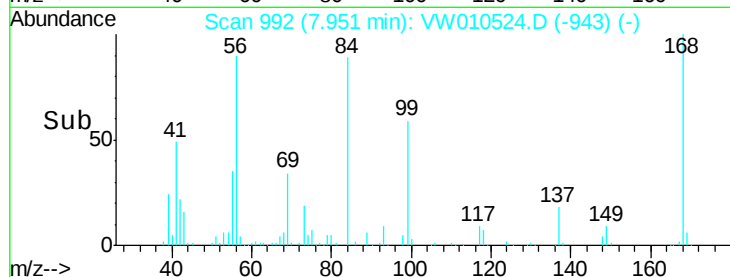
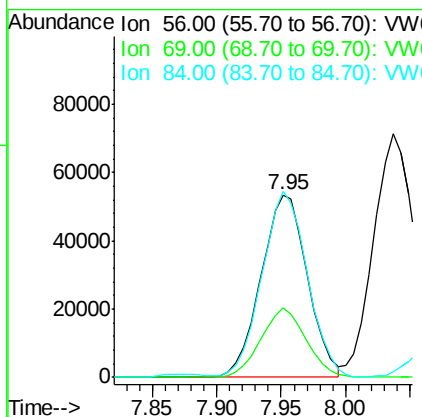
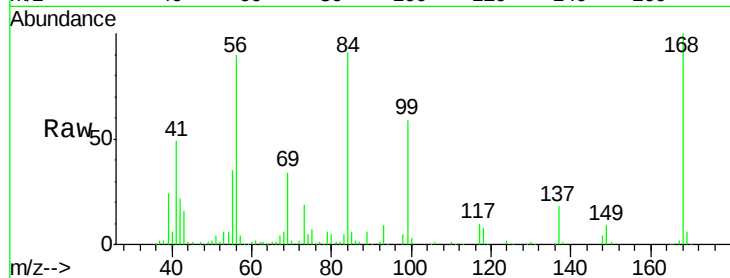
#31
Cyclohexane
Concen: 49.831 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	28.2	42.2
84	100.1	75.8	113.8

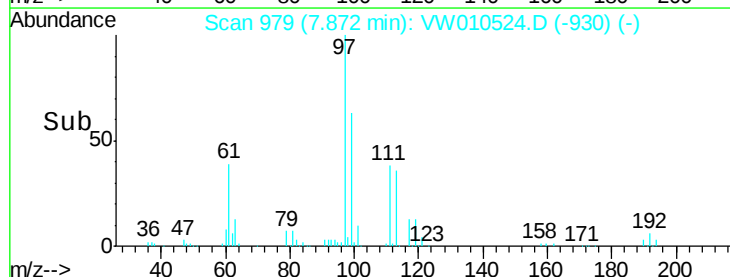
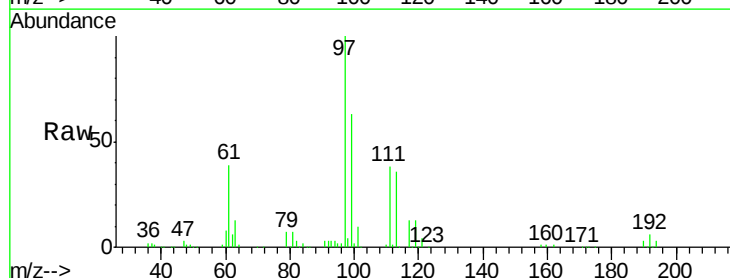
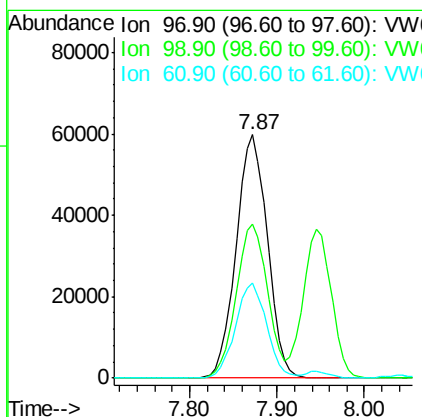
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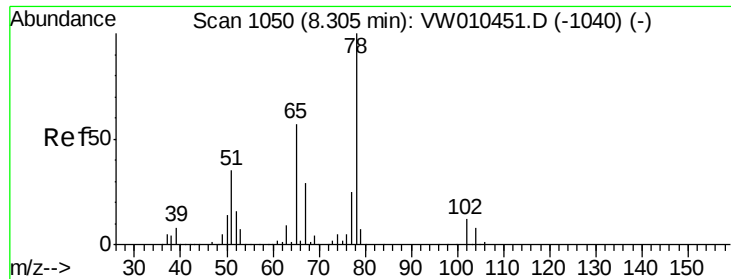
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#32
1,1,1-Trichloroethane
Concen: 56.325 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	39.1	32.1	48.1





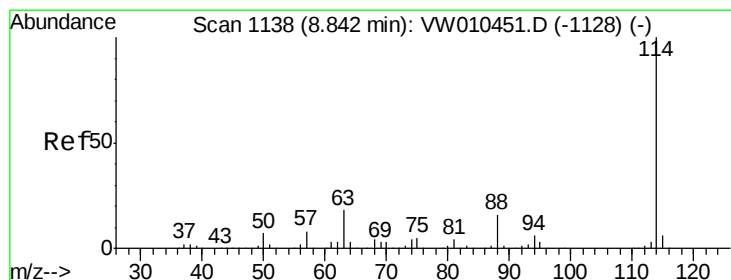
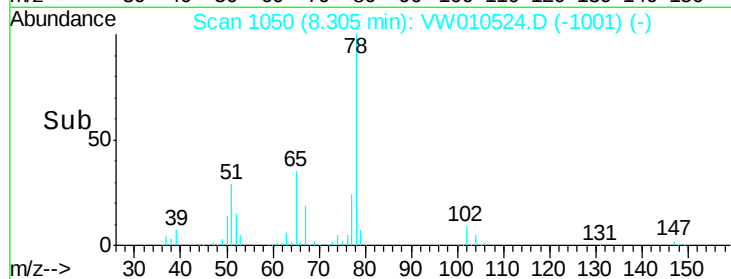
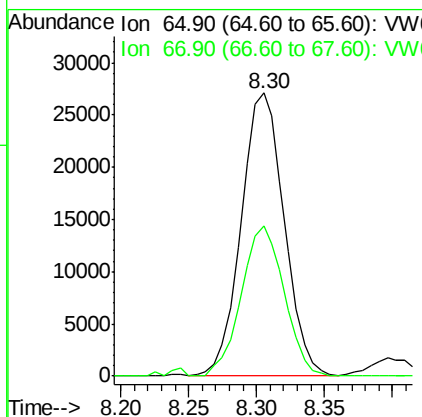
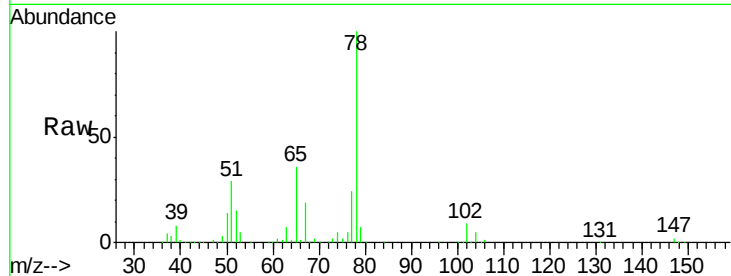
#33
 1,2-Dichloroethane-d4
 Concen: 42.599 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	60069		
67	52.8		0.0	103.6

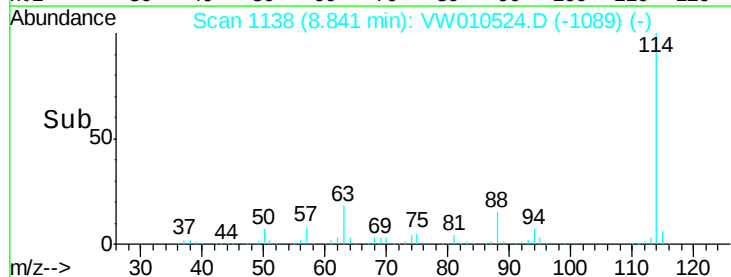
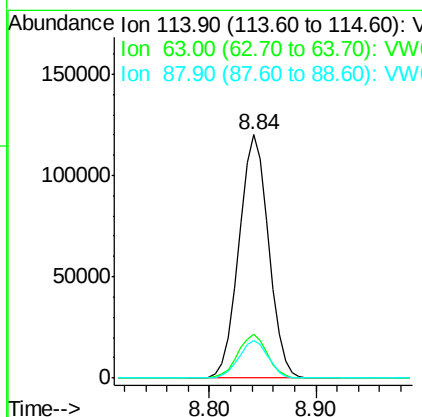
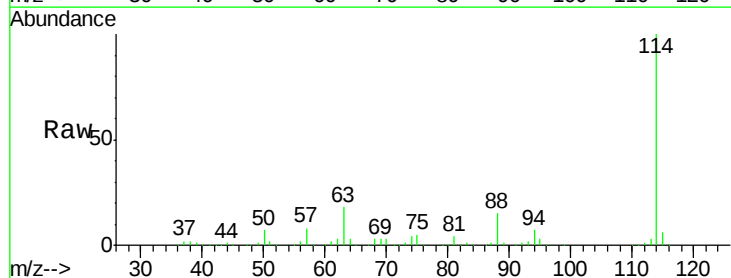
Manual Integrations
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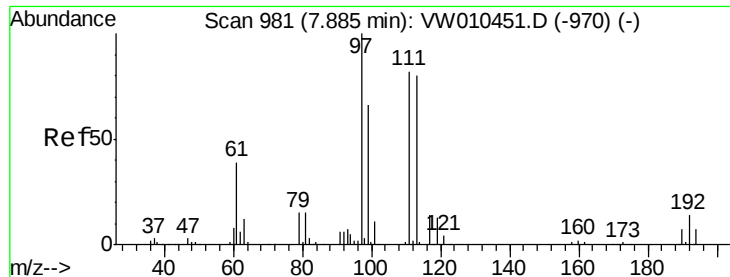
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	235103		
63	18.3		0.0	36.0
88	15.3		0.0	32.0





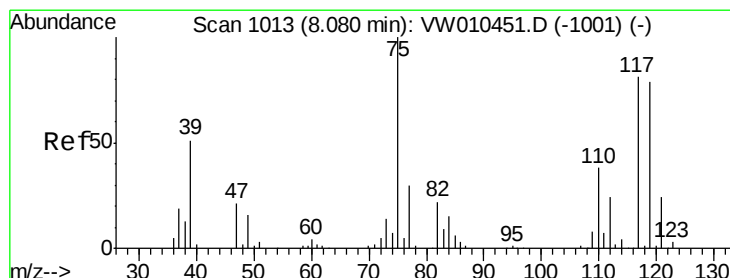
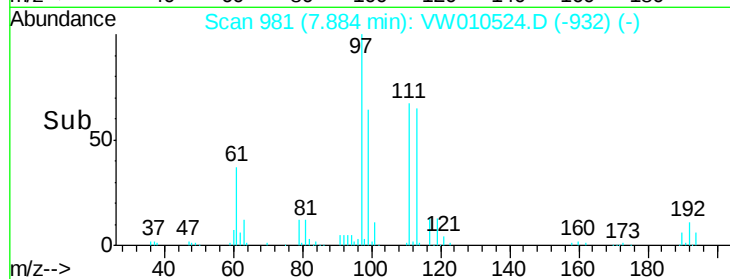
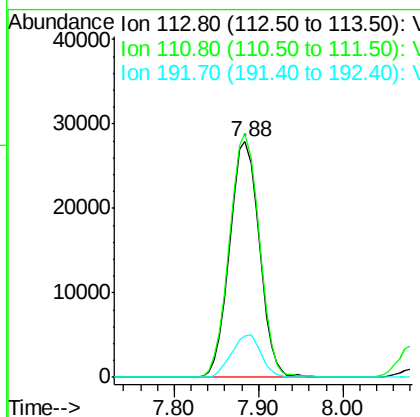
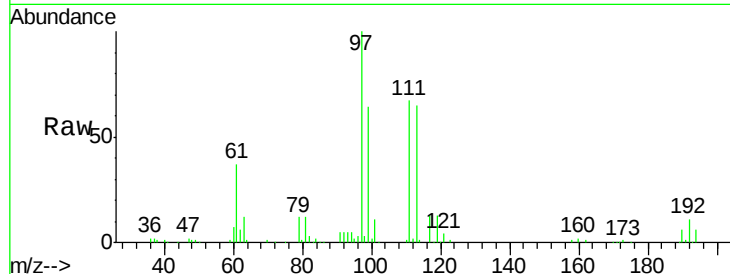
#35
 Dibromofluoromethane
 Concen: 46.639 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66533		
111	104.2	82.2	123.4	
192	17.9	14.3	21.5	

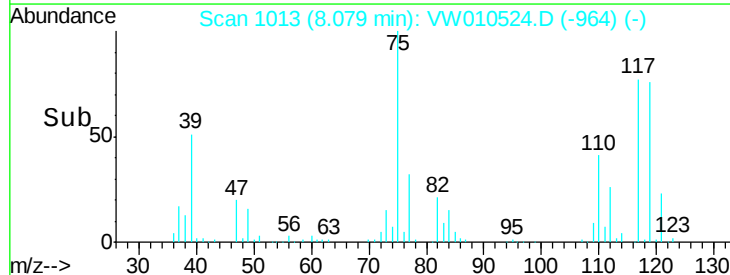
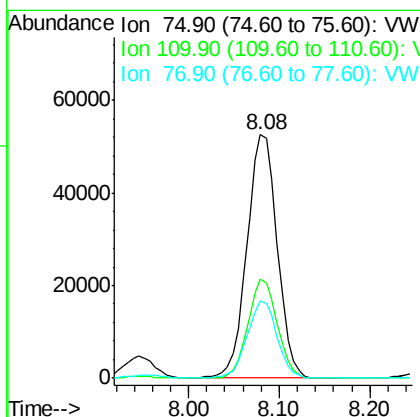
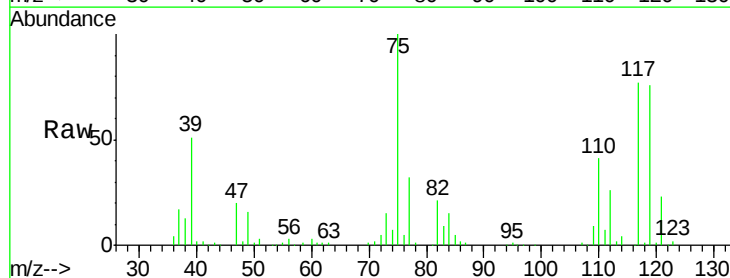
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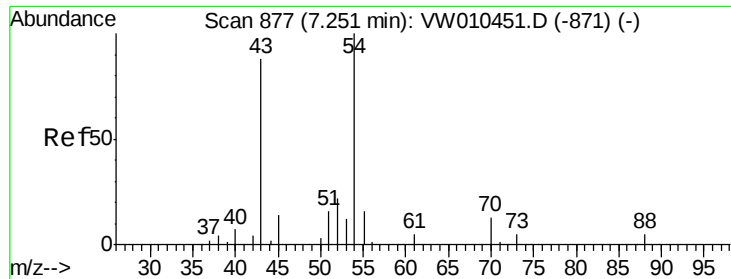
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#36
 1,1-Dichloropropene
 Concen: 55.411 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121356		
110	39.3	19.2	57.6	
77	31.3	25.2	37.8	





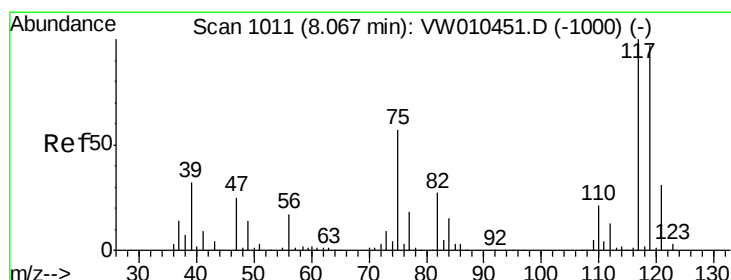
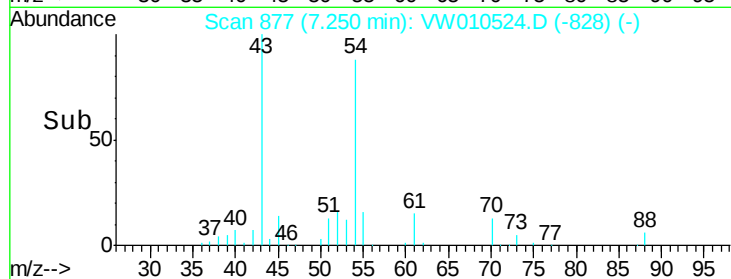
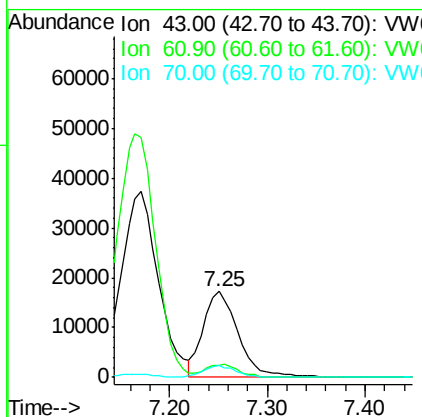
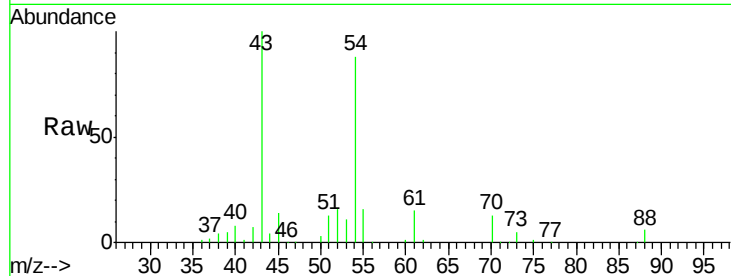
#37
Ethyl Acetate
Concen: 45.423 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	13.0	9.9	14.9

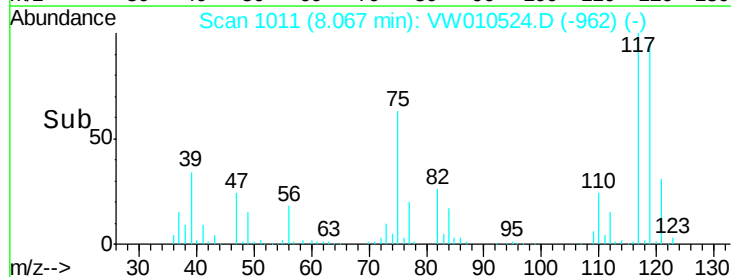
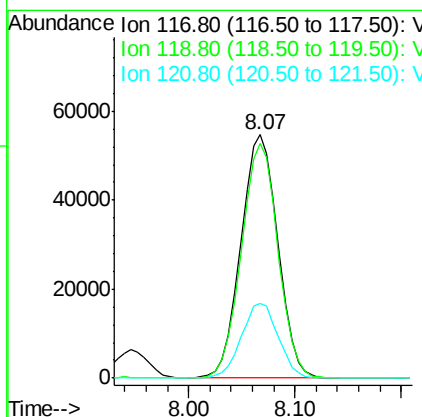
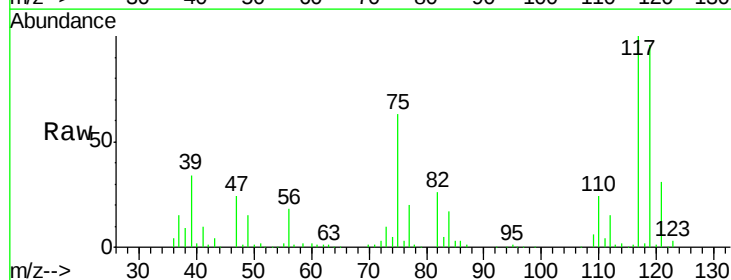
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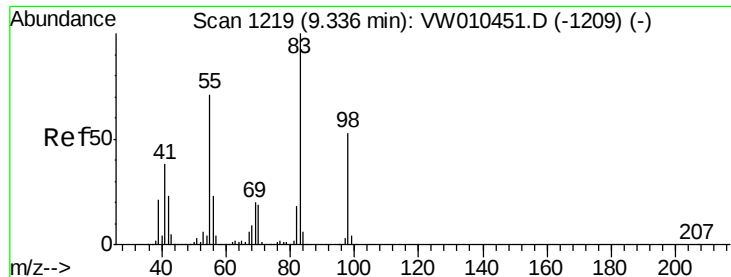
MMDadoda
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#38
Carbon Tetrachloride
Concen: 56.487 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	30.5	25.0	37.6





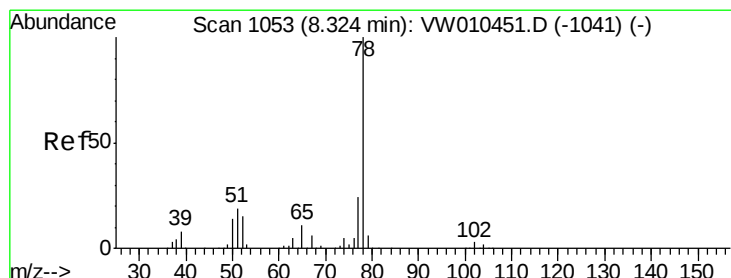
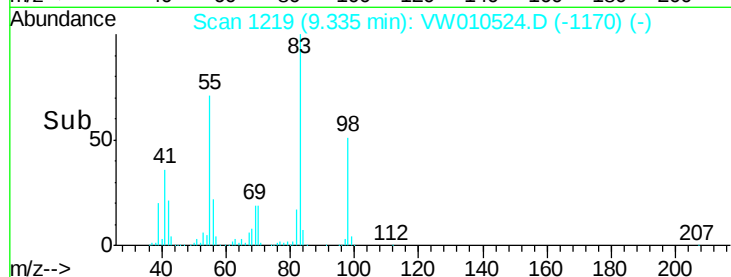
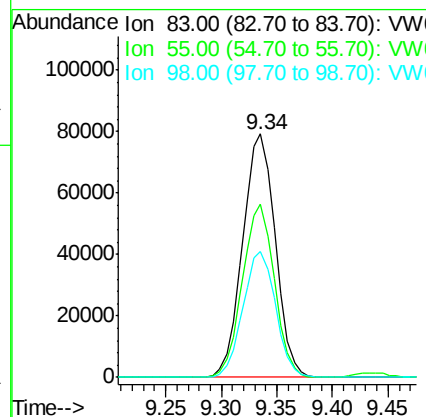
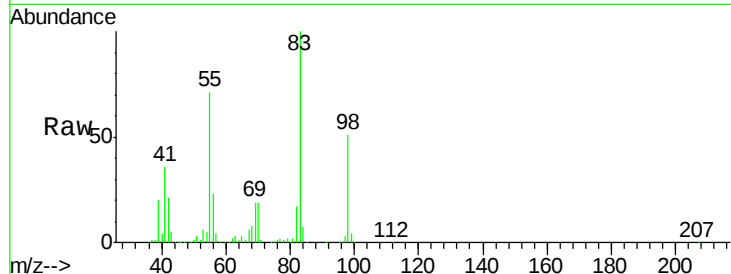
#39
Methvlcvclohexane
Concen: 54.974 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	161306		
55	71.2		57.0	85.6
98	51.5		42.0	63.0

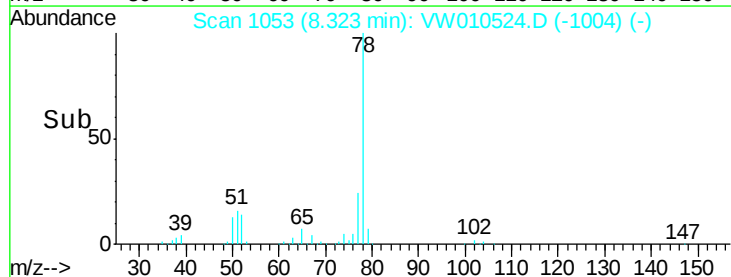
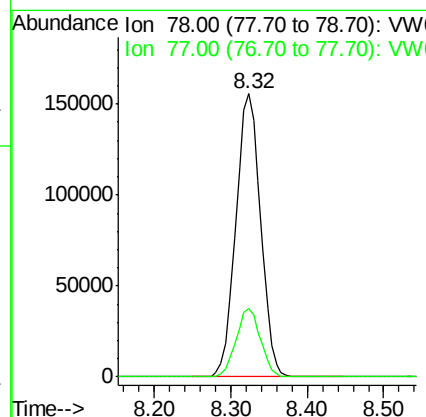
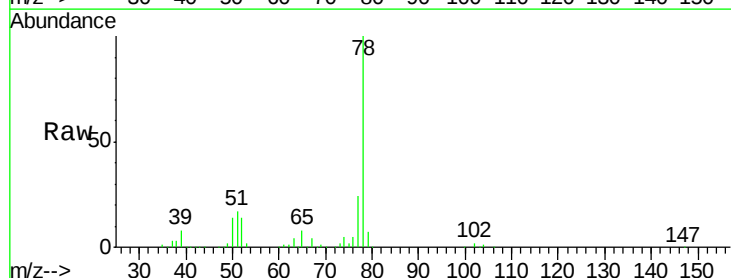
Manual Integrations
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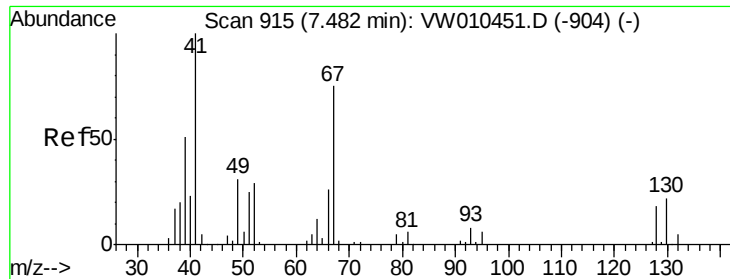
MMDadoda
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#40
Benzene
Concen: 57.027 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	347139		
77	24.1		18.9	28.3





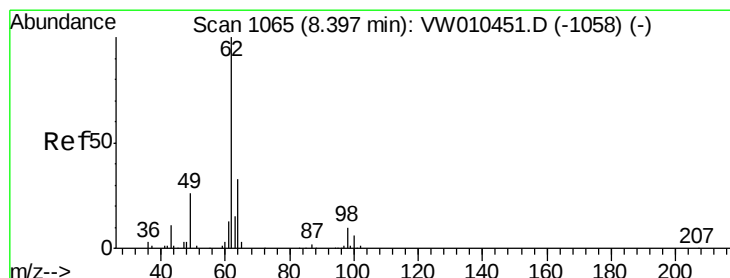
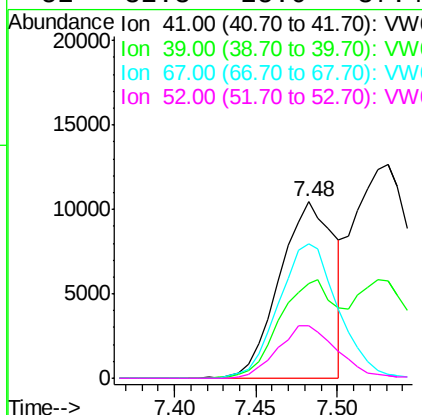
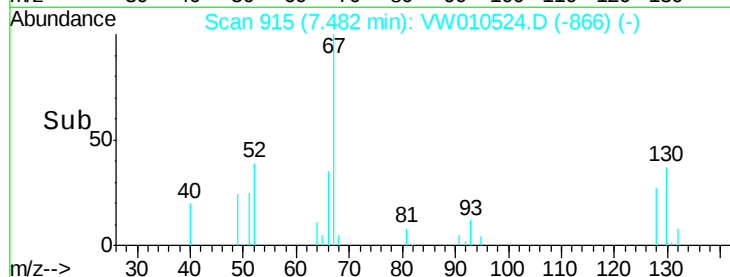
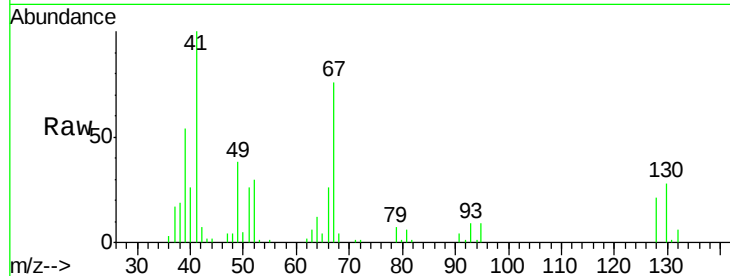
#41
Methacrylonitrile
Concen: 44.158 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.7	47.4	71.2
67	82.8	65.5	98.3
52	32.3	25.0	37.4

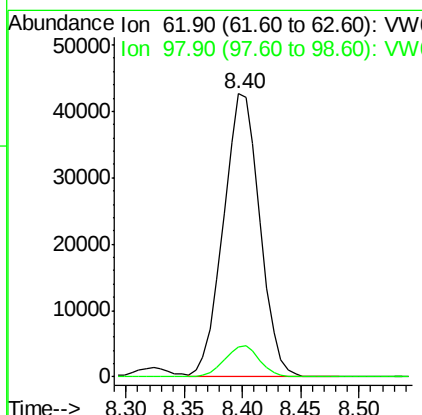
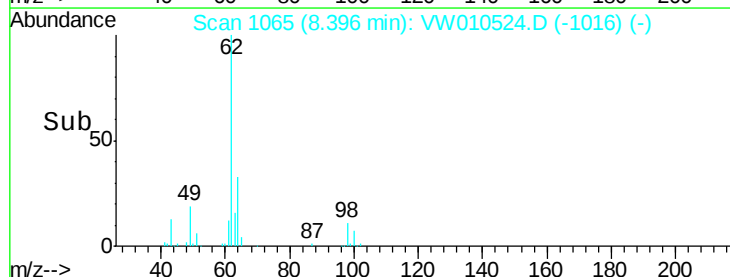
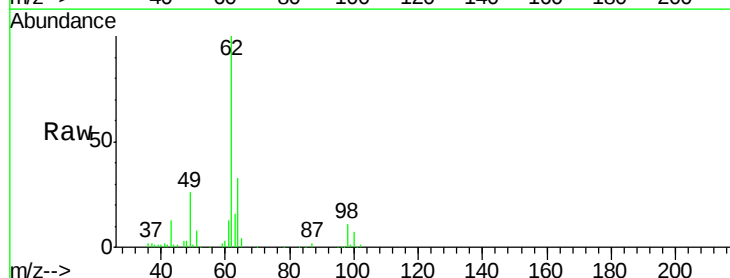
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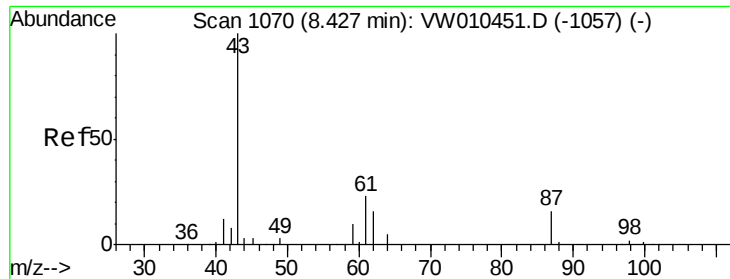
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.297 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 45.247 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

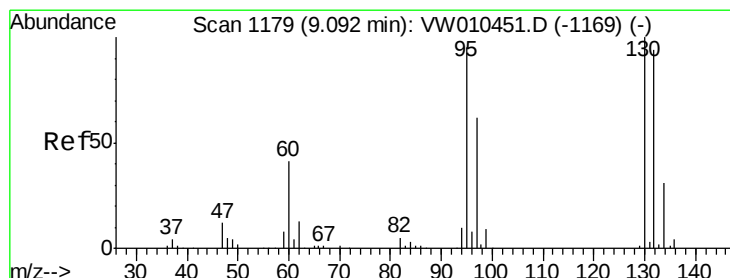
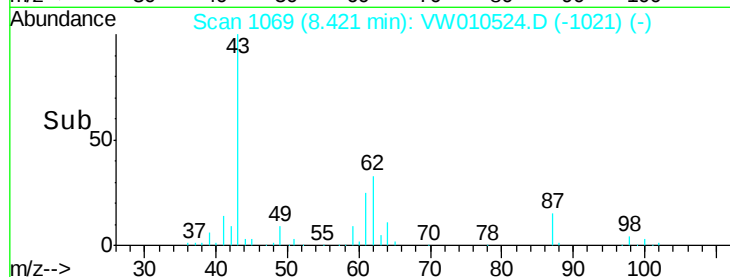
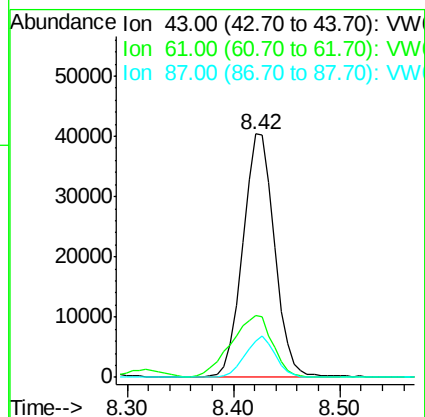
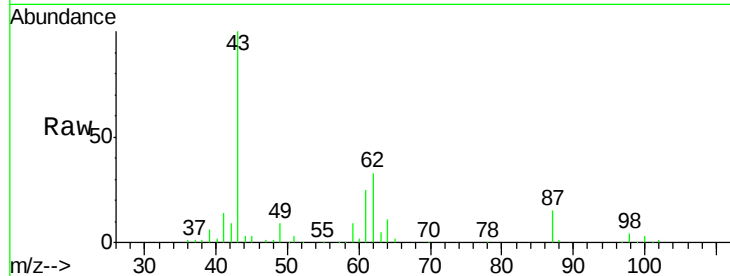
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	84187
Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.4	38.2
87	16.1	12.7	19.1

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#44

Trichloroethene

Concen: 57.524 ug/l

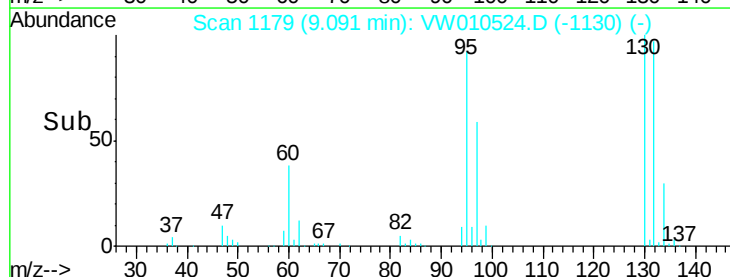
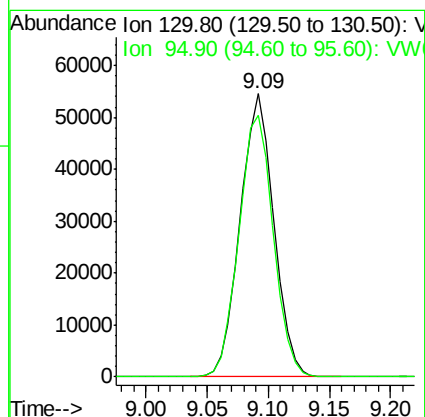
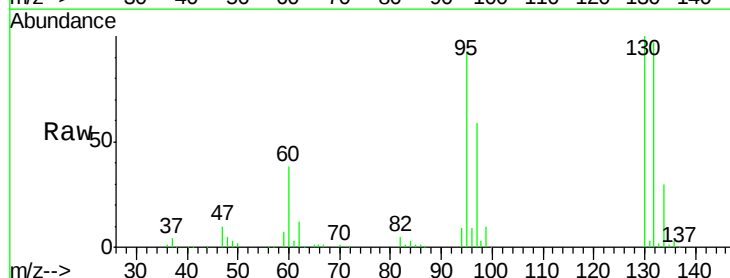
RT: 9.09 min Scan# 1179

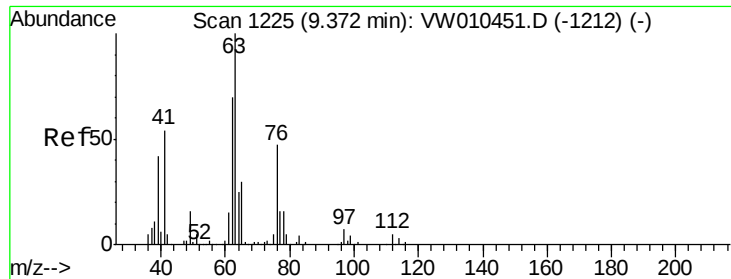
Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion:	130	Resp:	103956
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	189.6





#45

1,2-Dichloropropane

Concen: 55.665 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 80475

Ion Ratio Lower Upper

63 100

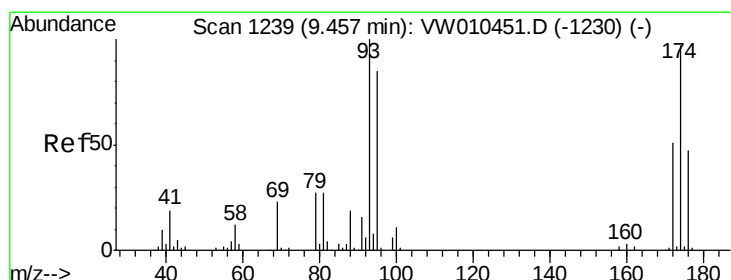
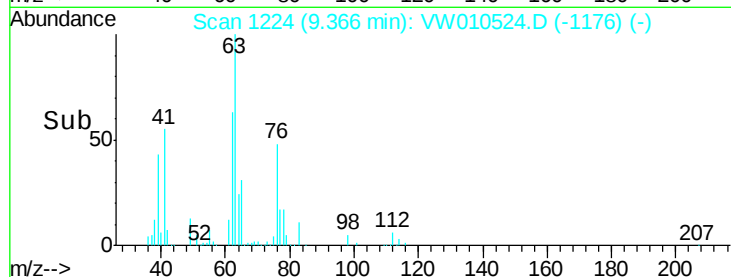
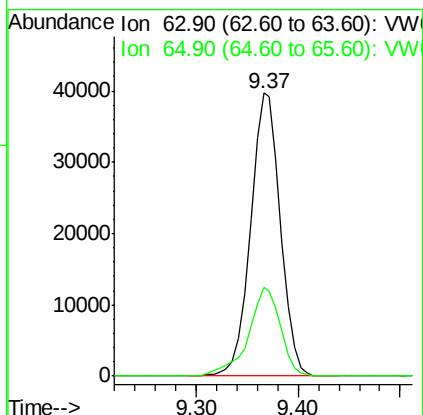
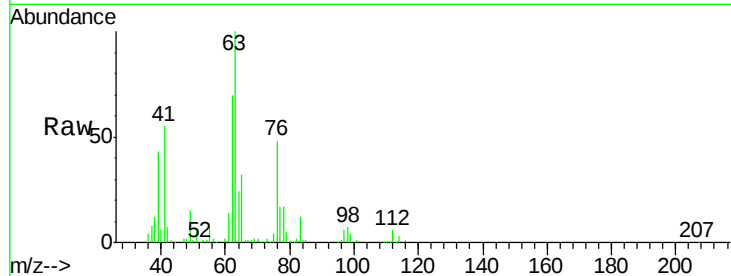
65 31.6 24.3 36.5

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#46

Dibromomethane

Concen: 53.107 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

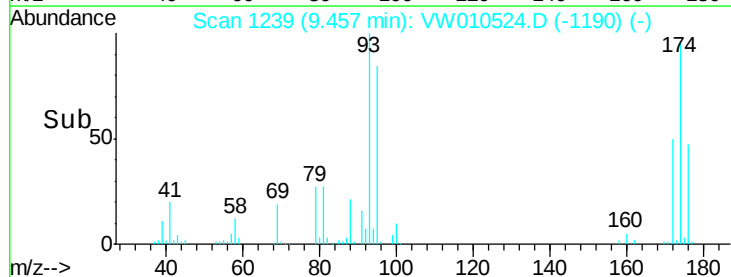
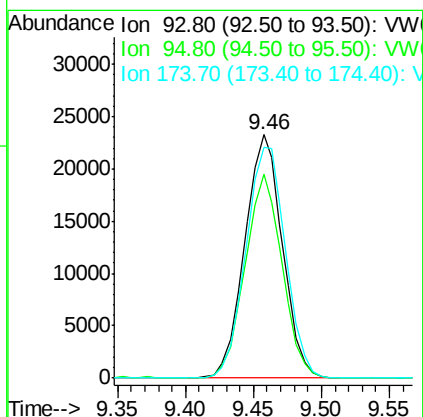
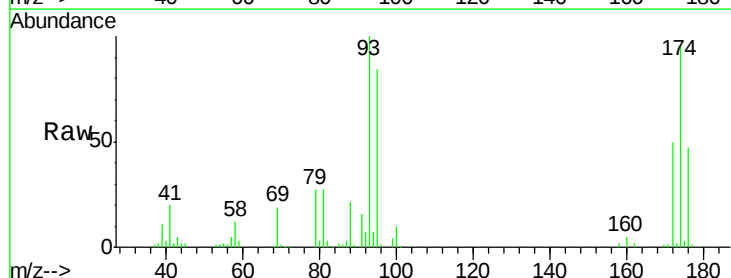
Tgt Ion: 93 Resp: 44901

Ion Ratio Lower Upper

93 100

95 82.7 66.1 99.1

174 100.4 77.1 115.7





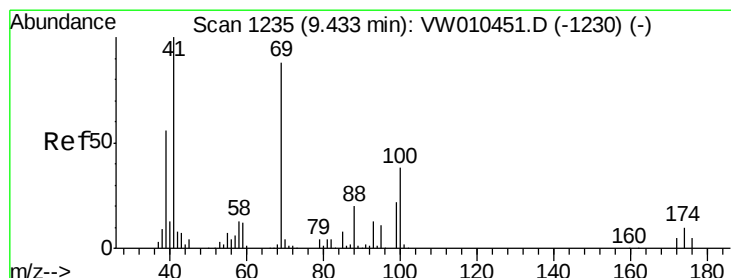
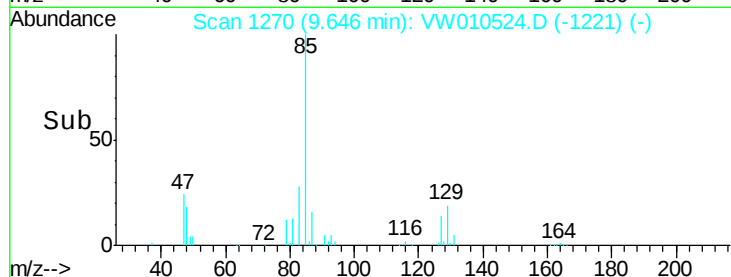
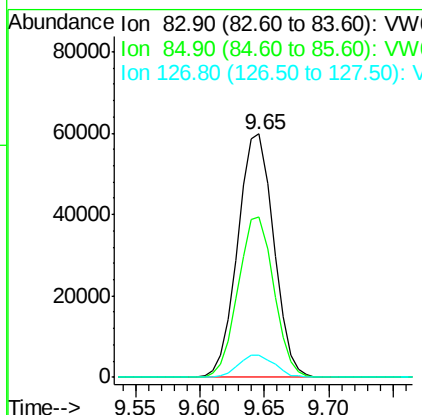
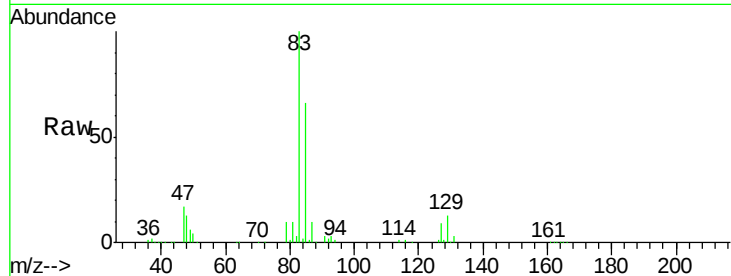
#47
Bromodichloromethane
Concen: 54.544 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	115888		
85	65.9		50.4	75.6
127	9.2		7.4	11.0

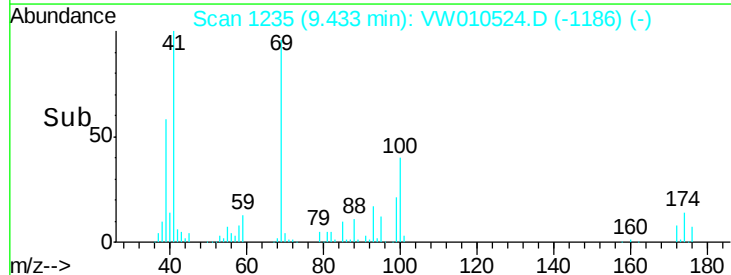
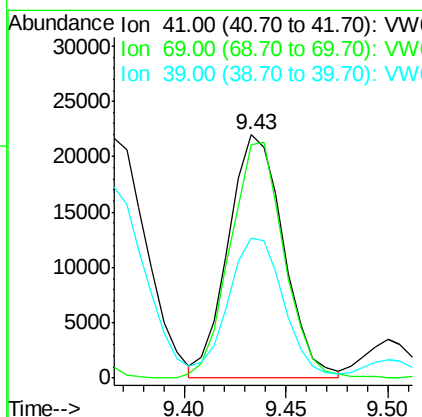
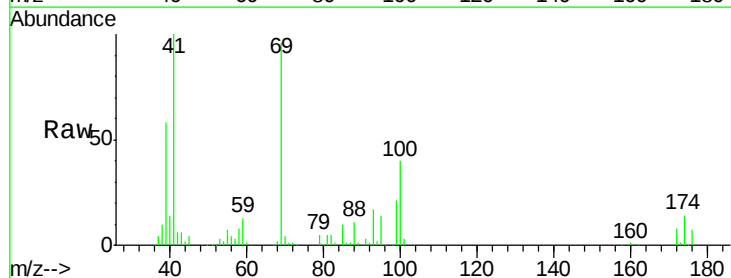
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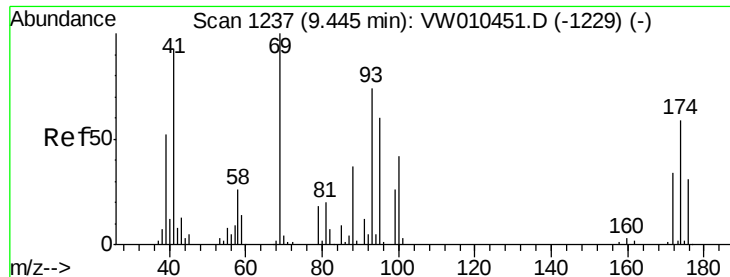
MMDadoda
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#48
Methyl methacrylate
Concen: 48.371 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	41174		
69	94.7		77.6	116.4
39	58.5		49.8	74.8





#49

1,4-Dioxane

Concen: 807.516 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

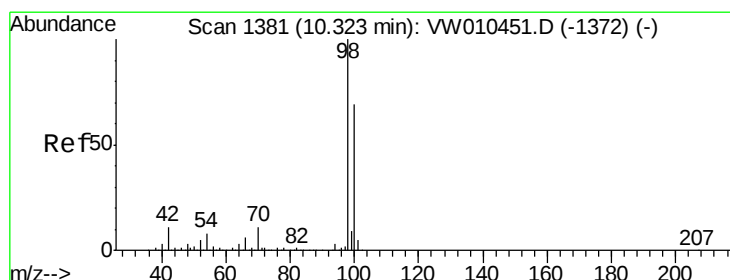
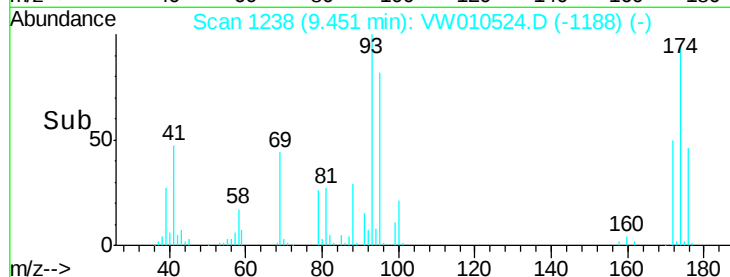
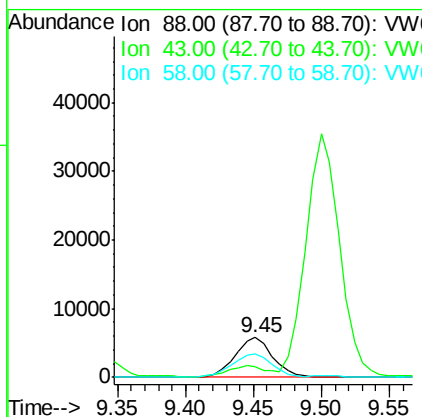
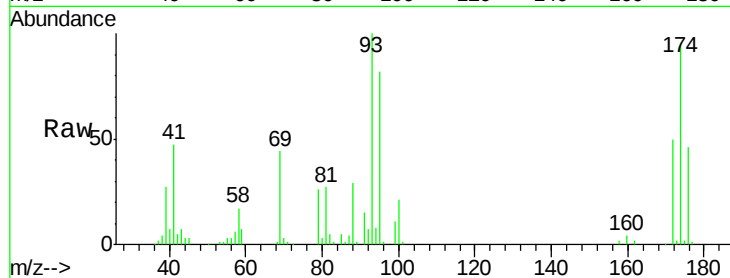
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	11153
Ion Ratio	Lower	Upper	
88	100		
43	27.9	25.9	38.9
58	63.6	52.7	79.1

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#50

Toluene-d8

Concen: 46.936 ug/l

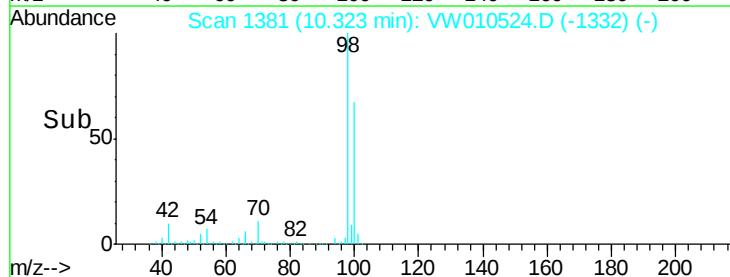
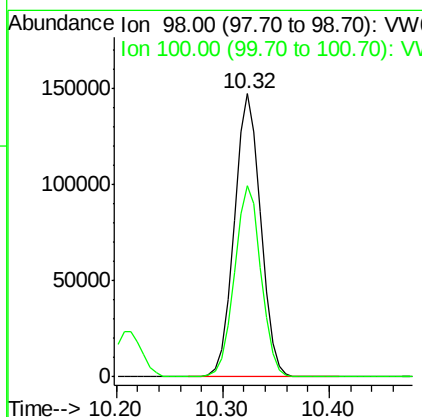
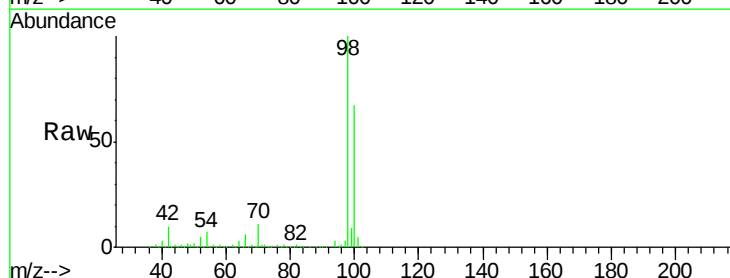
RT: 10.32 min Scan# 1381

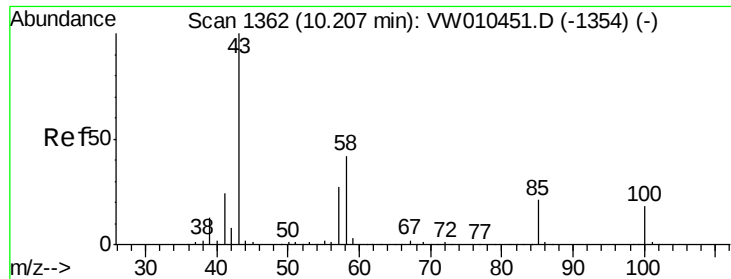
Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion:	98	Resp:	255792
Ion Ratio	Lower	Upper	
98	100		
100	67.8	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 223.920 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 211114

Ion Ratio Lower Upper

43 100

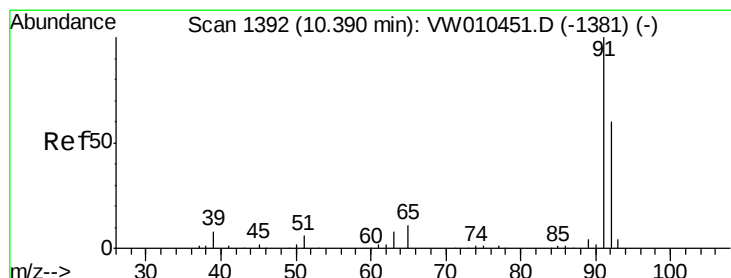
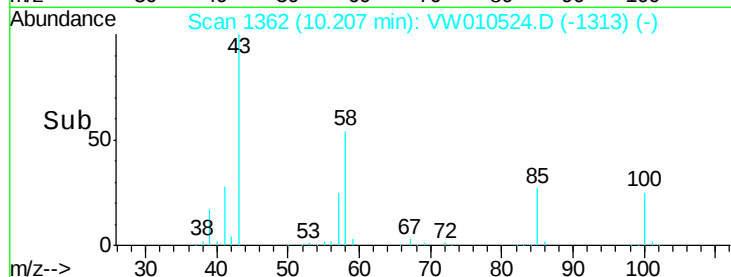
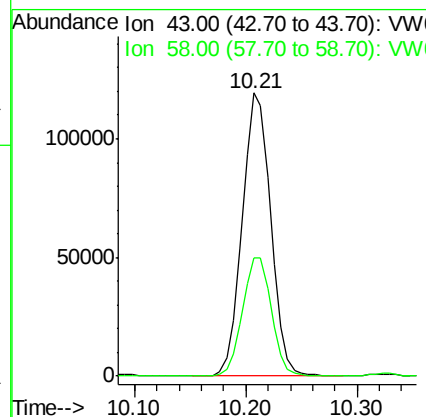
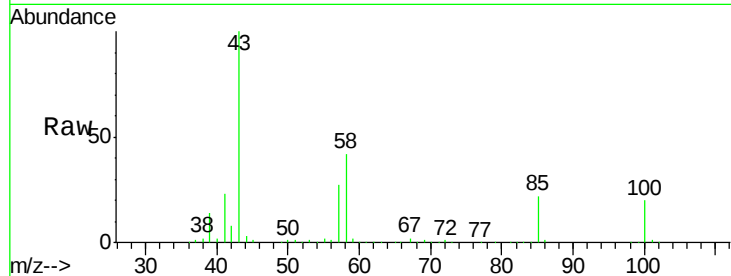
58 42.5 33.2 49.8

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#52

Toluene

Concen: 57.333 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010524.D

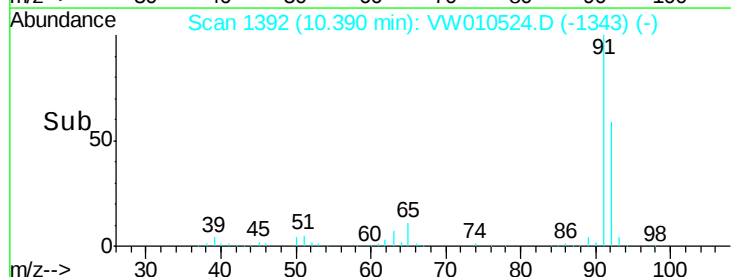
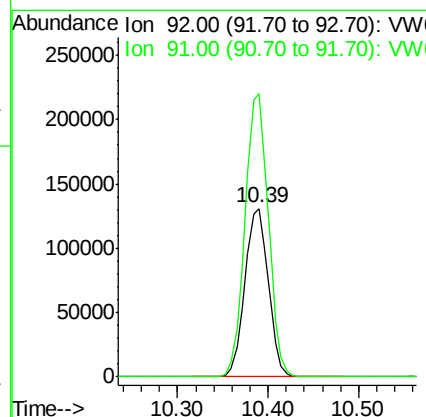
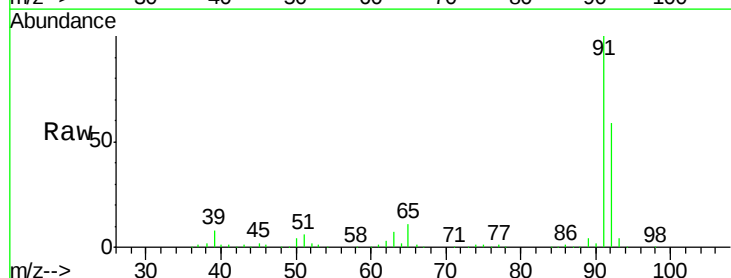
Acq: 23 May 2019 12:22

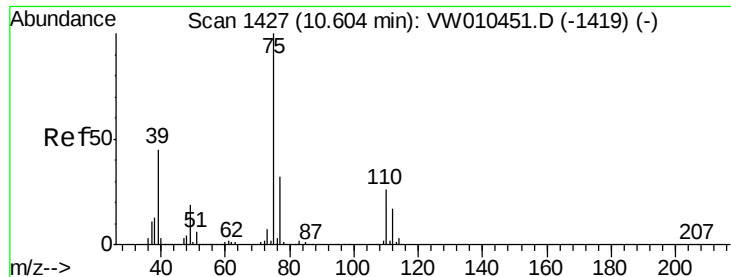
Tgt Ion: 92 Resp: 234379

Ion Ratio Lower Upper

92 100

91 167.0 135.4 203.0





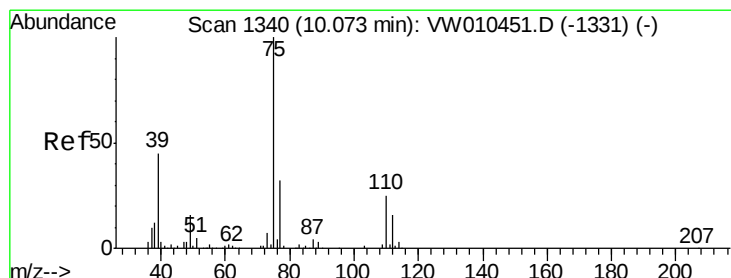
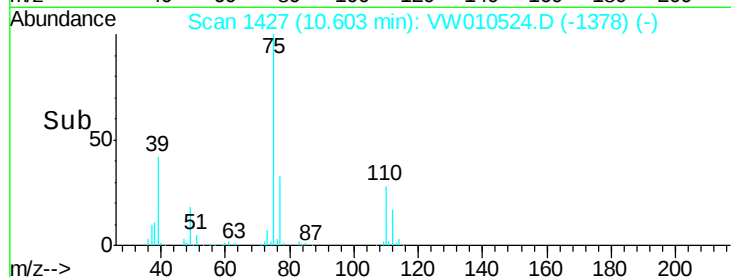
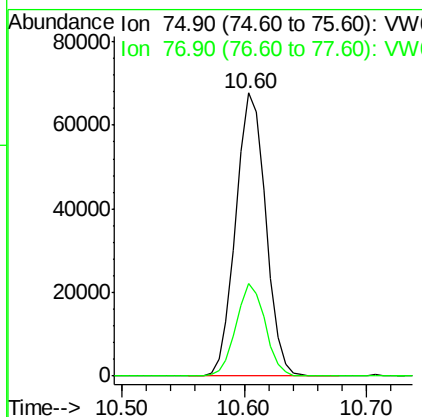
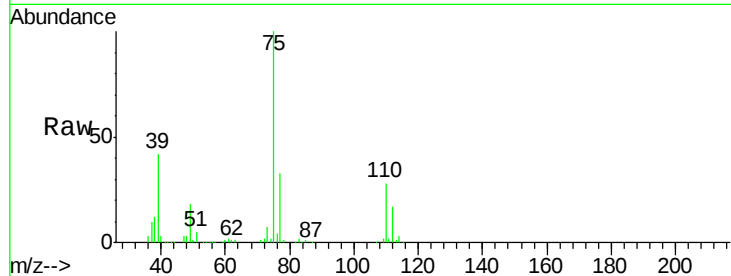
#53
 t-1,3-Dichloropropene
 Concen: 53.533 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 115193
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.0

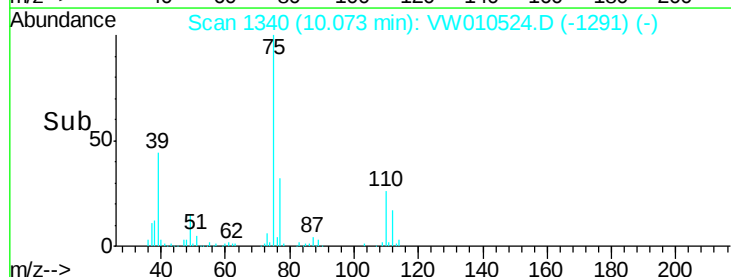
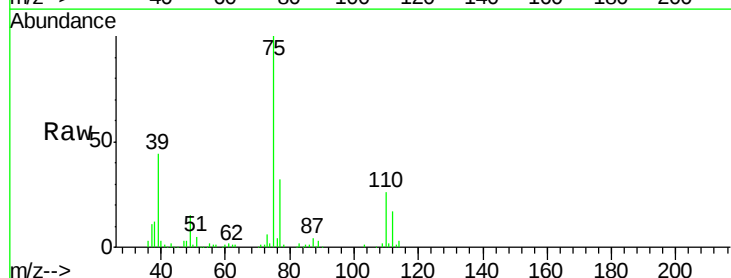
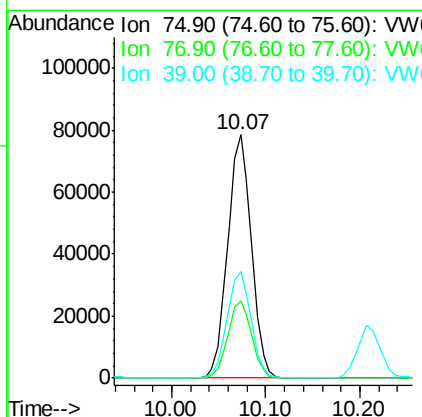
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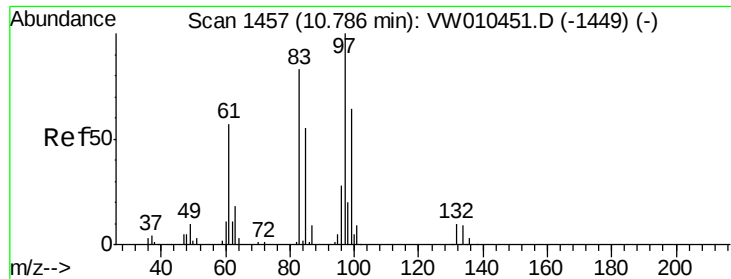
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#54
 cis-1,3-Dichloropropene
 Concen: 55.648 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion: 75 Resp: 136756
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.7 38.5
 39 43.9 36.2 54.4





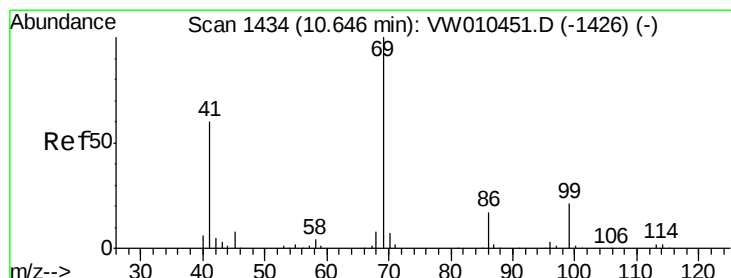
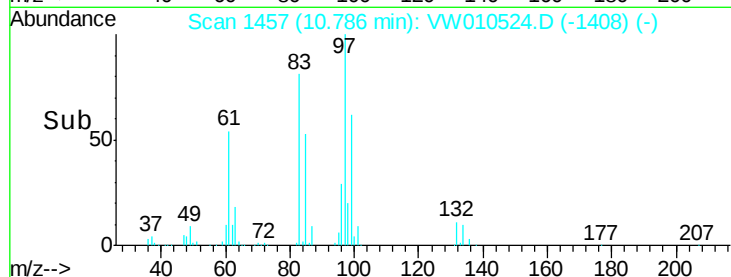
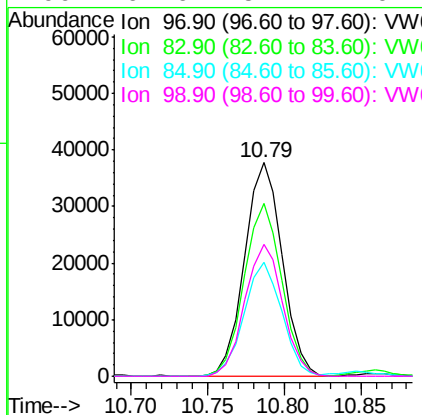
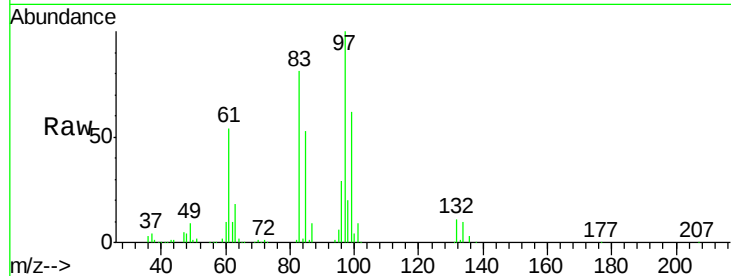
#55
 1,1,2-Trichloroethane
 Concen: 53.275 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	64772
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.1	99.1
85	53.4	44.2	66.4
99	61.6	51.1	76.7

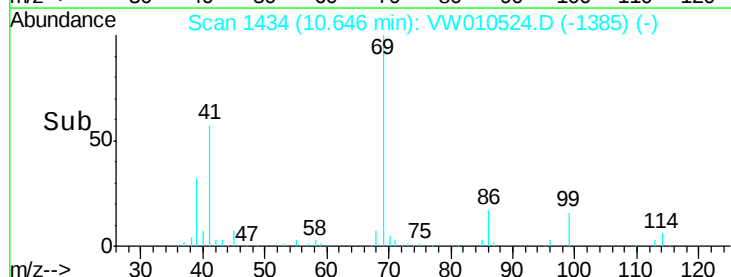
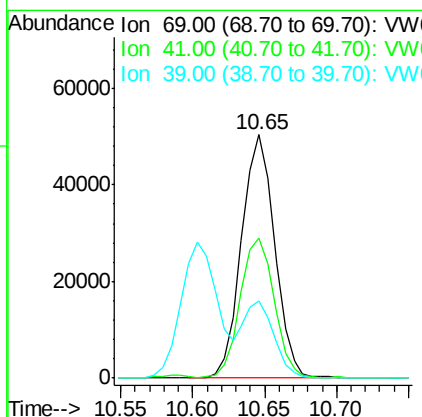
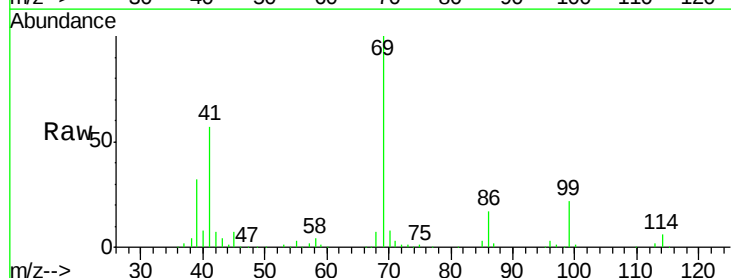
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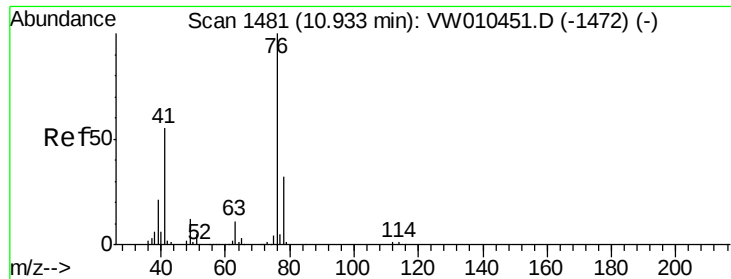
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 47.996 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion:	69	Resp:	80480
Ion	Ratio	Lower	Upper
69	100		
41	58.7	47.7	71.5
39	29.6	25.3	37.9





#57

1,3-Dichloropropane

Concen: 52.413 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 106742

Ion Ratio Lower Upper

76 100

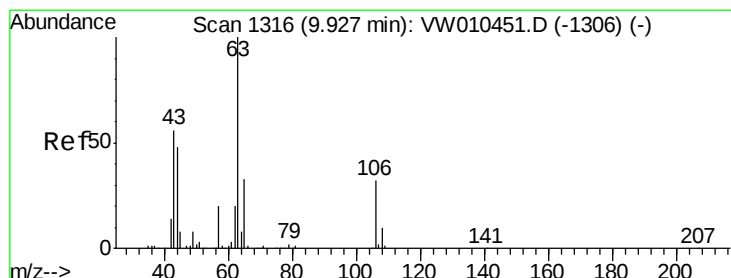
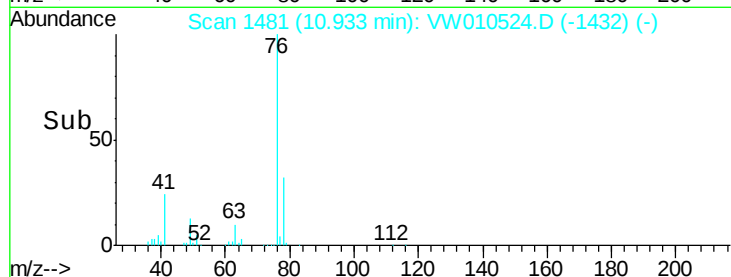
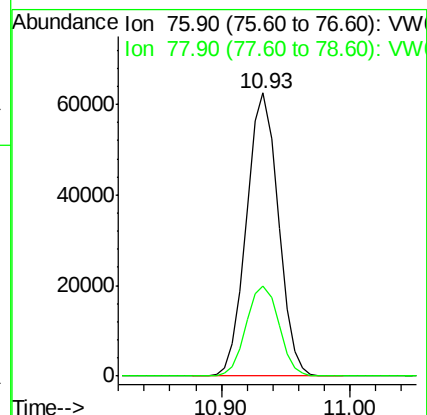
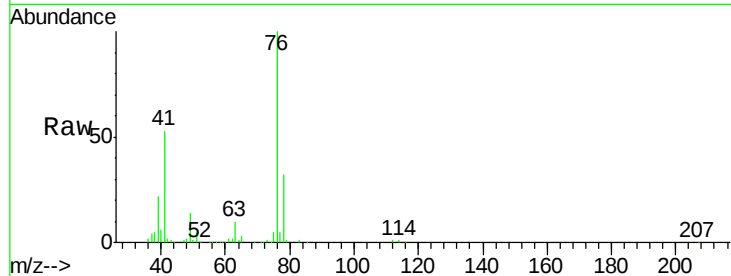
78 32.8 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 227.700 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010524.D

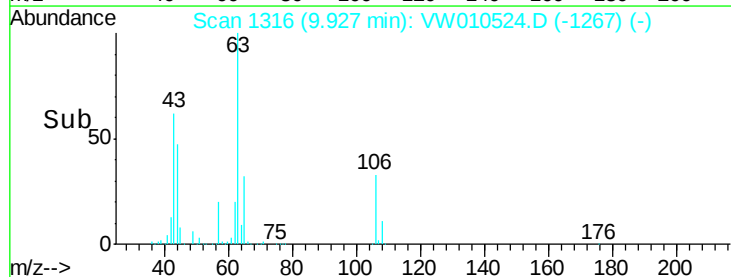
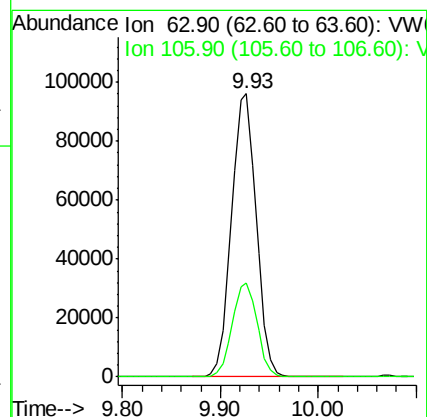
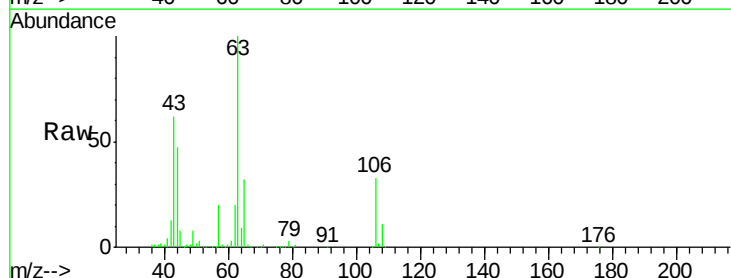
Acq: 23 May 2019 12:22

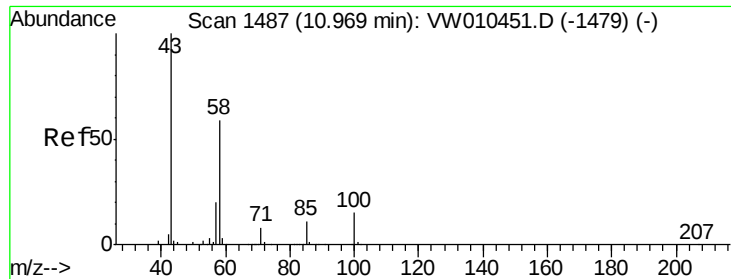
Tgt Ion: 63 Resp: 169115

Ion Ratio Lower Upper

63 100

106 33.3 25.8 38.6





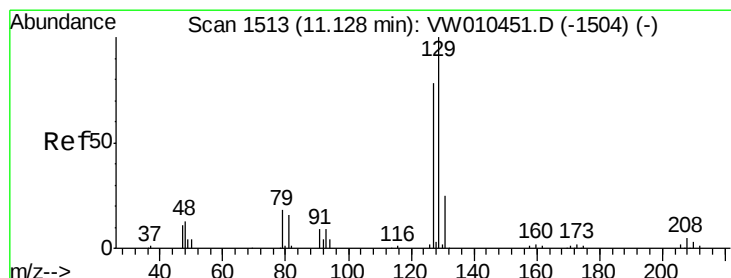
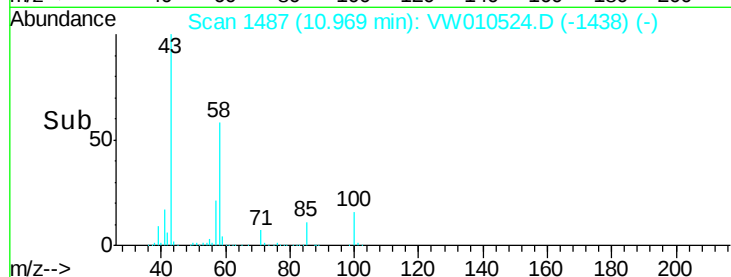
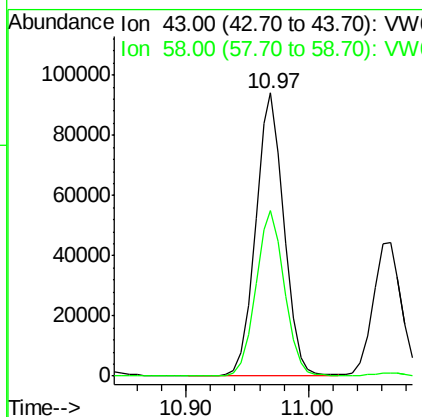
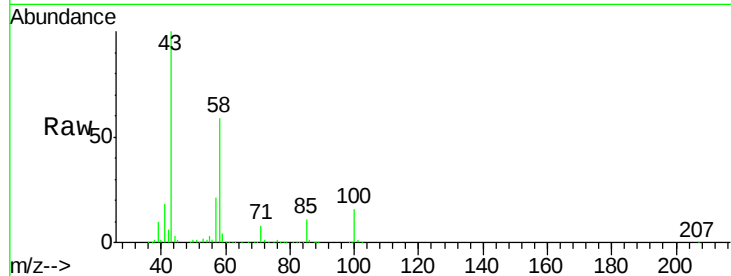
#59
2-Hexanone
Concen: 224.634 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 151078
Ion Ratio Lower Upper
43 100
58 59.3 28.9 86.8

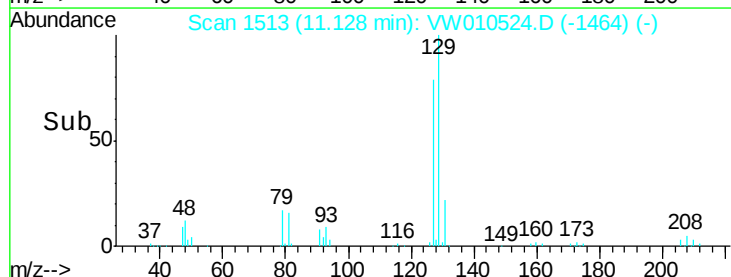
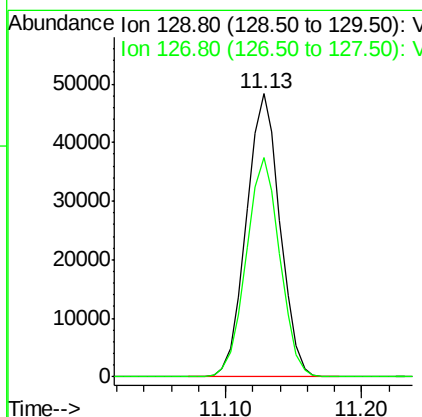
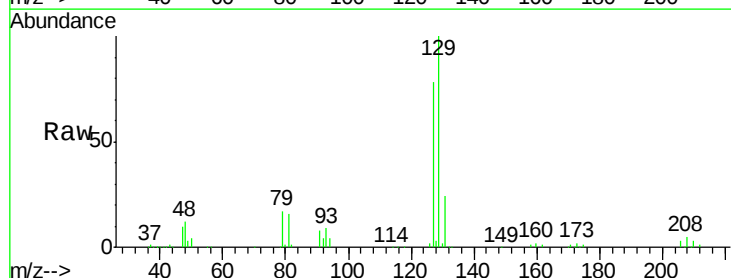
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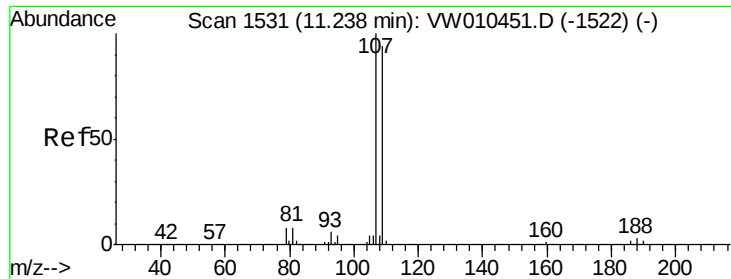
MMDadoda
5/24/2019 10:44:17 PM



#60
Dibromochloromethane
Concen: 54.458 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion: 129 Resp: 83796
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





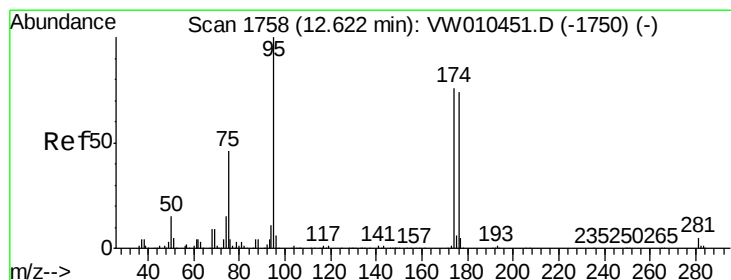
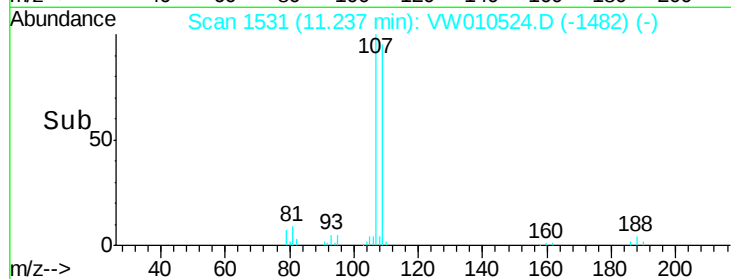
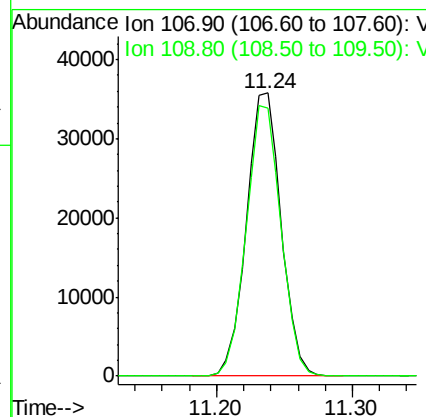
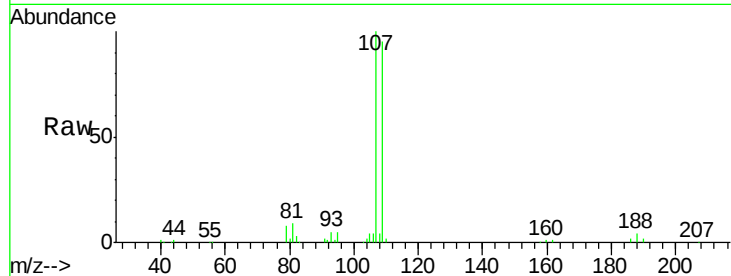
#61
 1,2-Dibromoethane
 Concen: 51.866 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.0	112.4

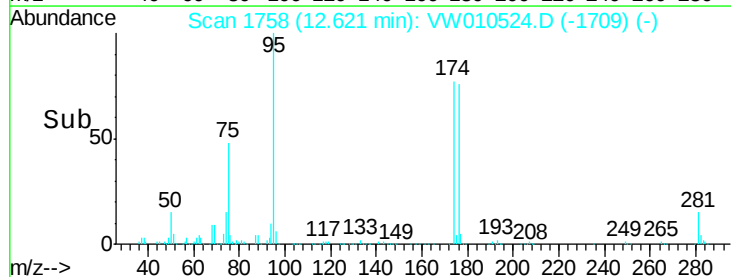
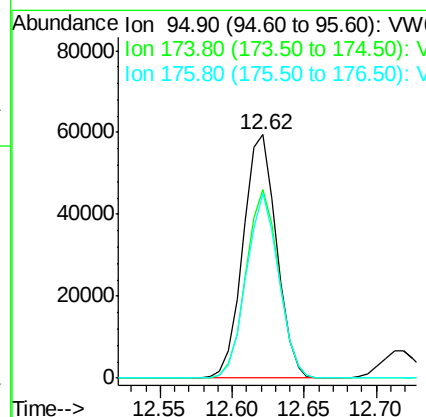
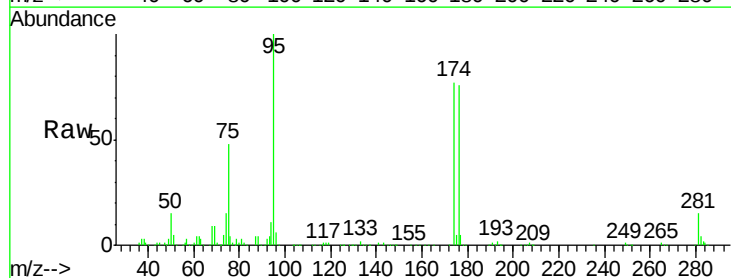
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 44.008 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	148.6
176	73.6	0.0	144.2





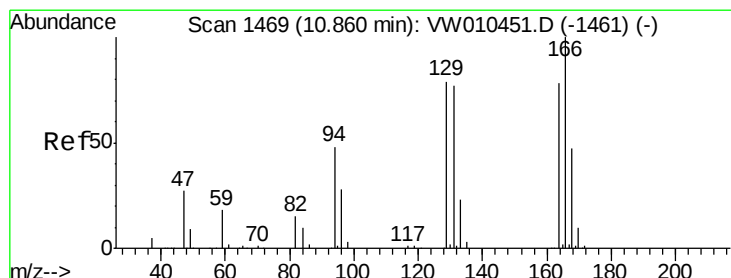
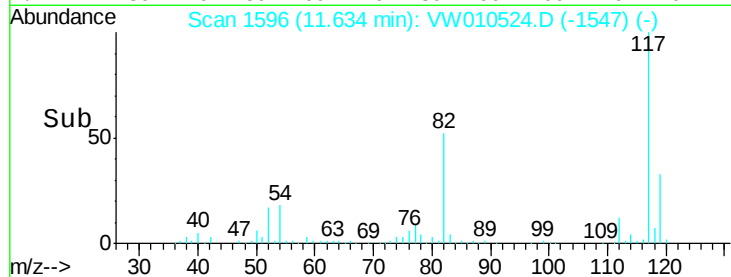
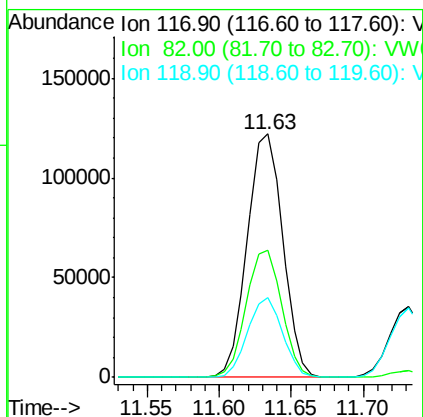
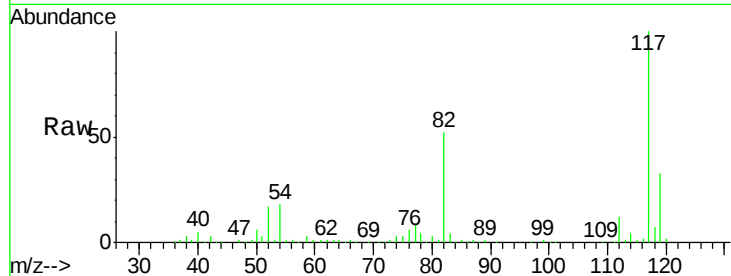
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208951		
82	52.4		42.8	64.2
119	32.9		26.3	39.5

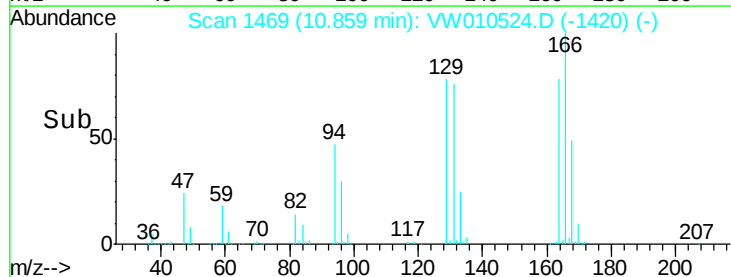
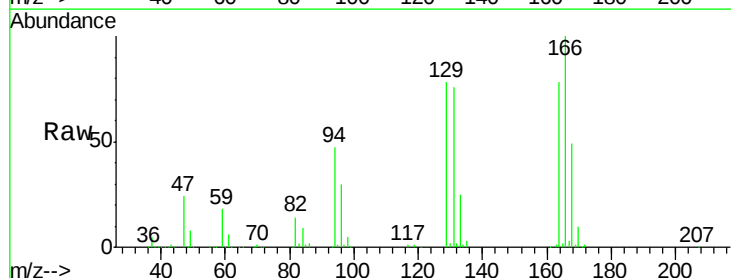
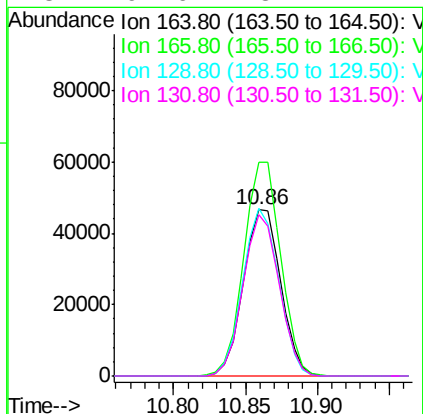
Manual Integrations
APPROVED

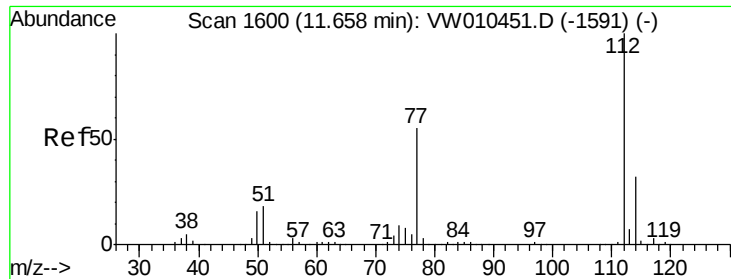
MMDadoda
5/24/2019 10:44:17 PM



#64
Tetrachloroethene
Concen: 57.205 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83324		
166	128.8		101.9	152.9
129	101.0		80.6	121.0
131	97.6		78.2	117.2





#65

Chlorobenzene

Concen: 57.173 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 254604

Ion Ratio Lower Upper

112 100

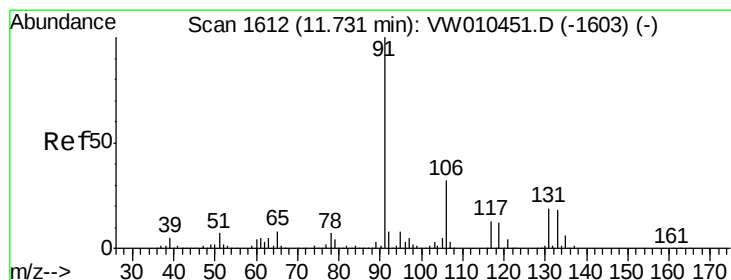
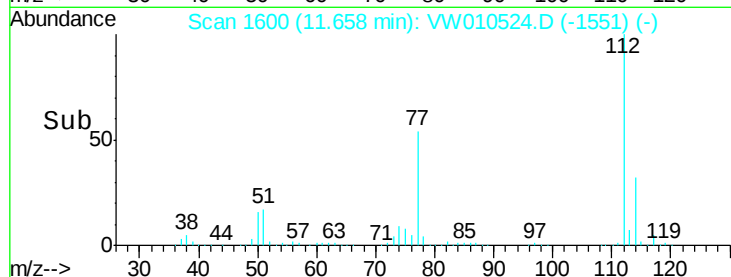
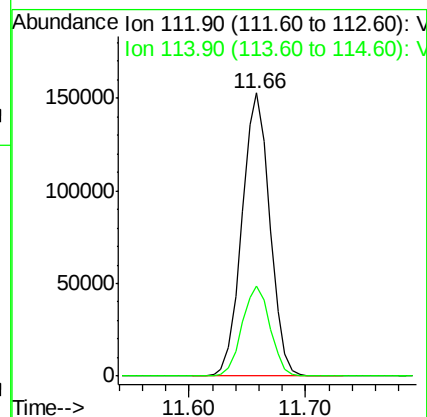
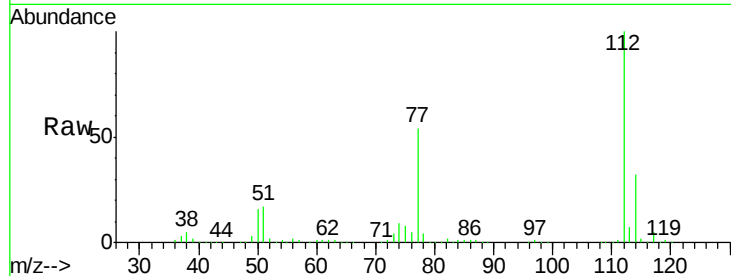
114 31.6 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 56.465 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

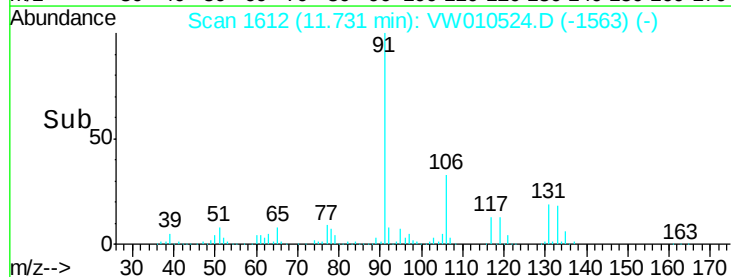
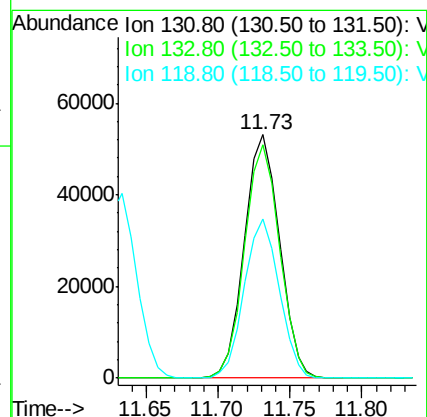
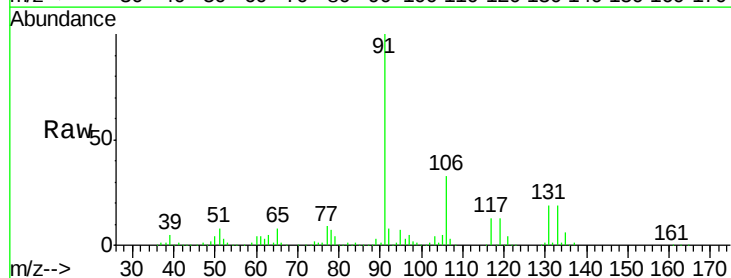
Tgt Ion:131 Resp: 90076

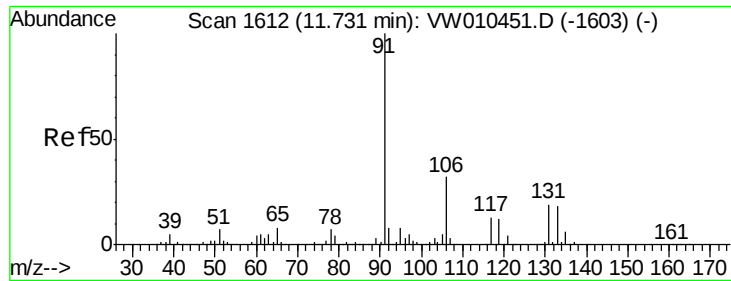
Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

119 64.9 32.1 96.5





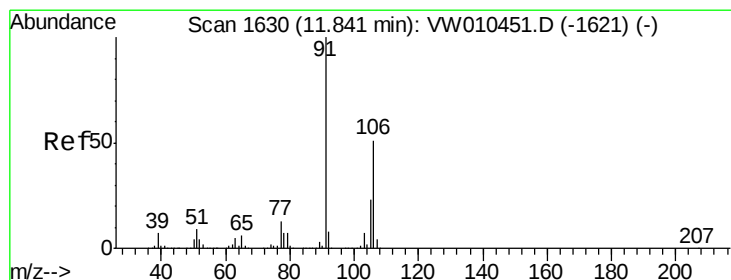
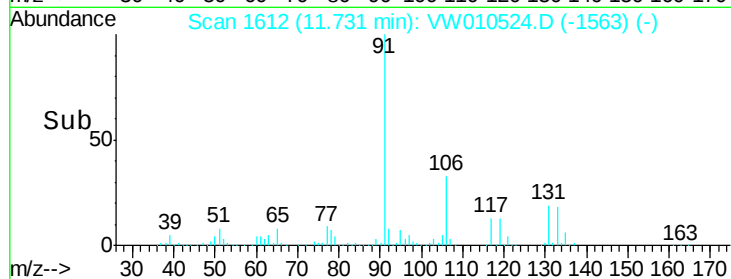
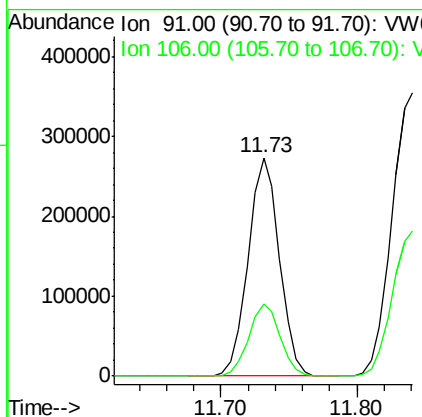
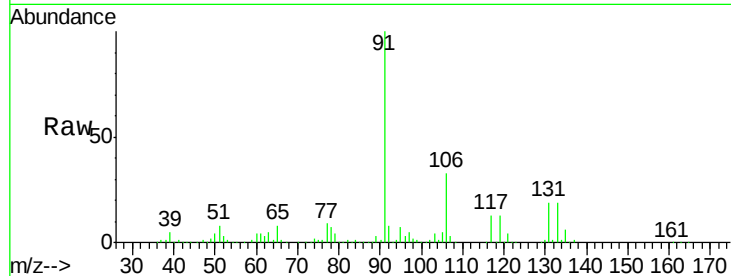
#67
Ethyl Benzene
Concen: 55.840 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 439033
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9

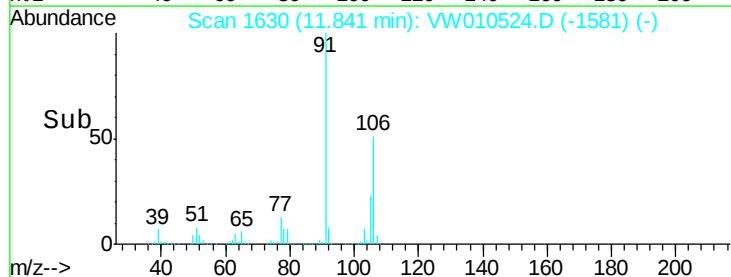
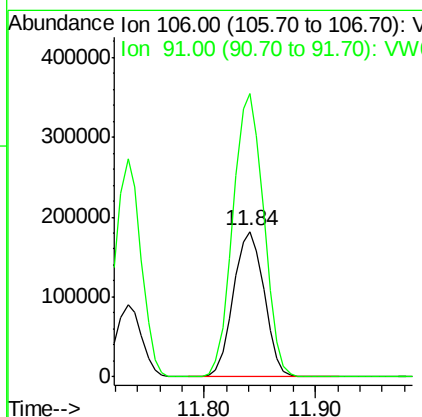
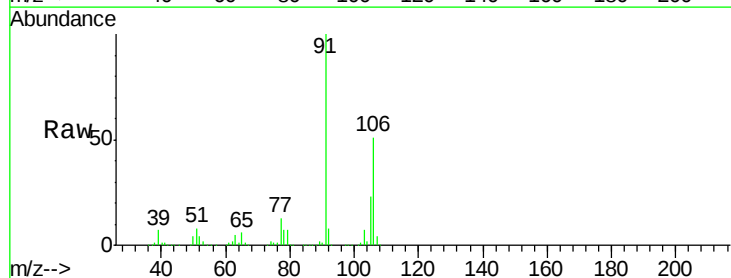
Manual Integrations
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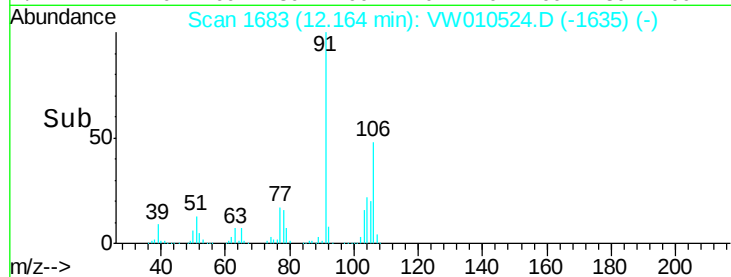
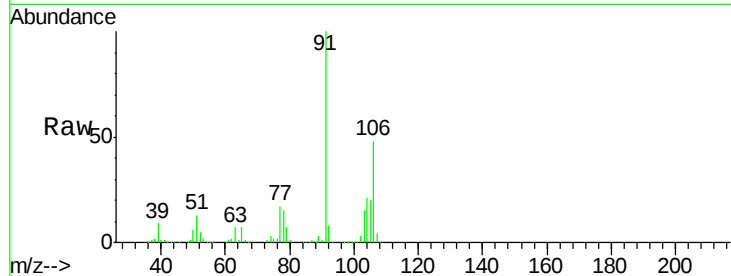
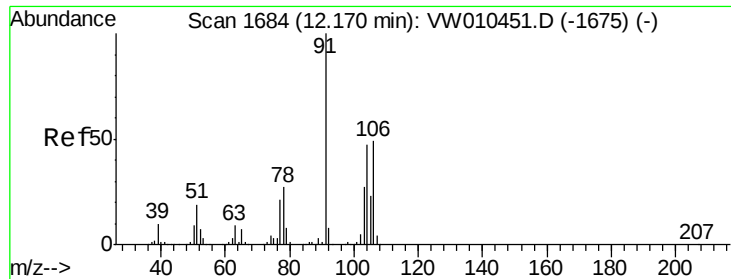
MMDadoda
5/24/2019 10:44:17 PM



#68
m/p-Xylenes
Concen: 113.031 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion: 106 Resp: 348574
Ion Ratio Lower Upper
106 100
91 194.0 156.0 234.0





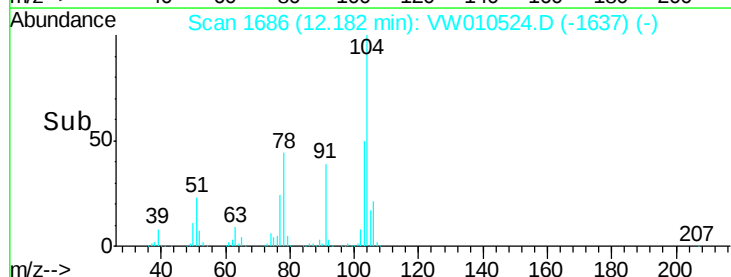
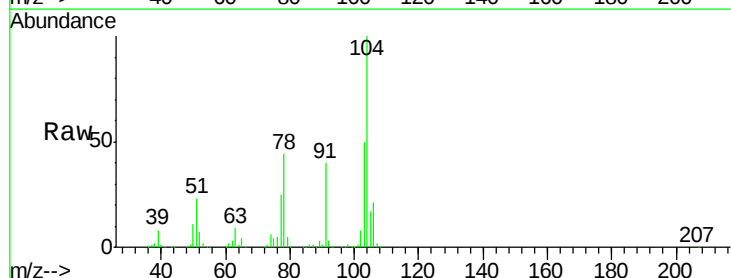
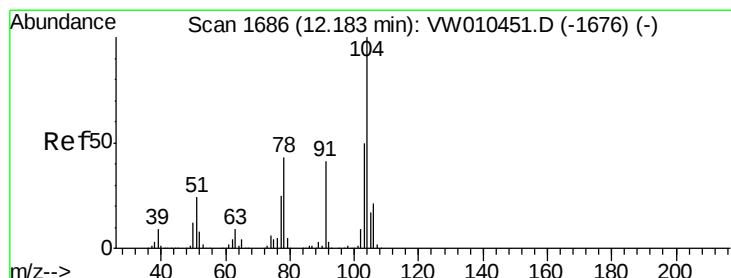
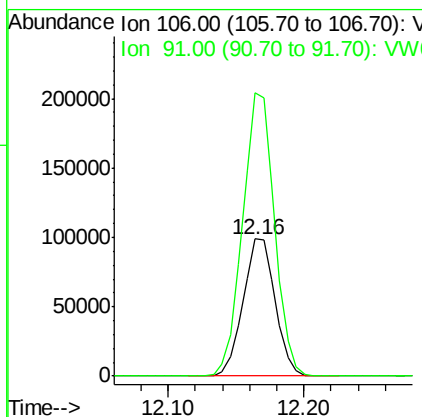
#69
o-Xylene
Concen: 55.889 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tot Ion	Ratio	Resp	Lower	Upper
106	100	163295		
91	204.7	103.2	309.4	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

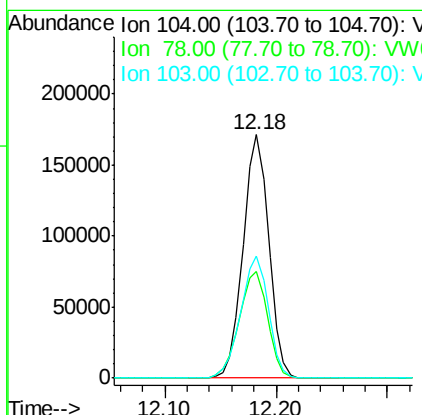
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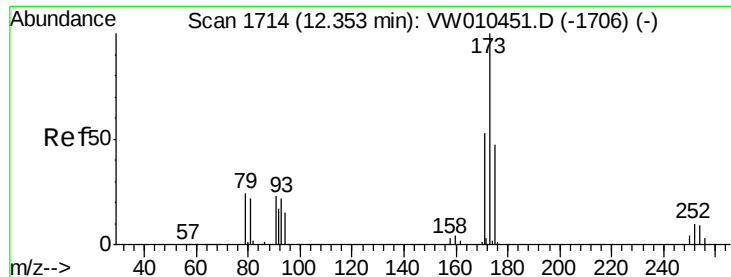
MMDadoda
5/24/2019 10:44:17 PM



#70
Styrene
Concen: 55.503 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	275157		
78	48.7	39.0	58.4	
103	54.0	43.0	64.6	





#71

Bromoform

Concen: 50.770 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 44600

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.4

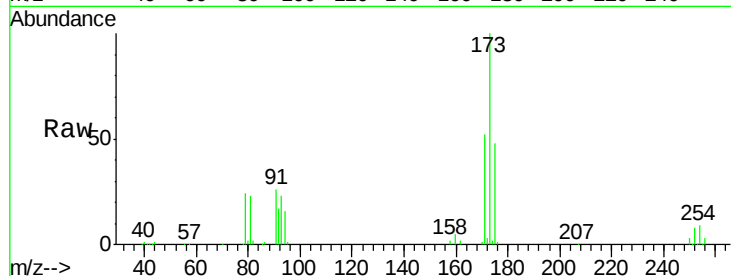
254 0.2 0.0 0.0#

Manual Integrations

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MMDadoda

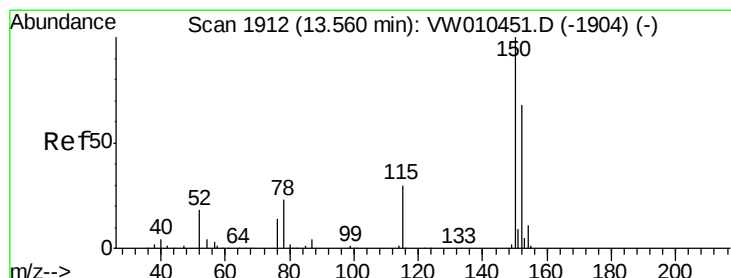
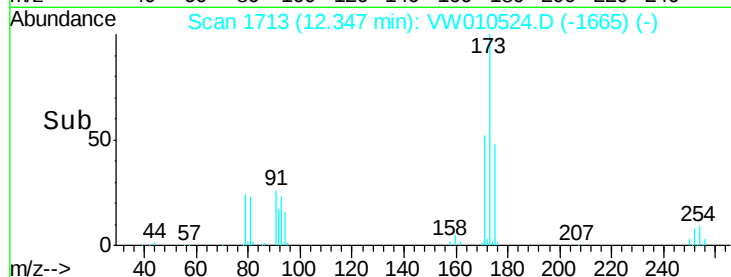
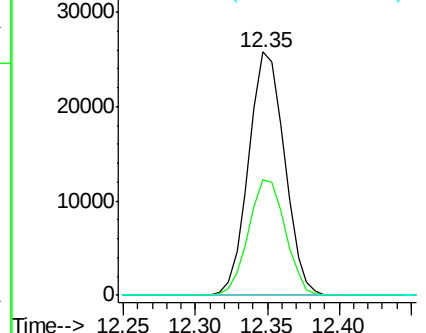
5/24/2019 10:44:17 PM



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: VW010524.D

Acq: 23 May 2019 12:22

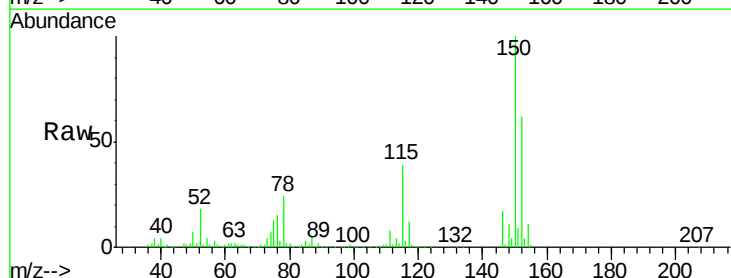
Tgt Ion:152 Resp: 97763

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

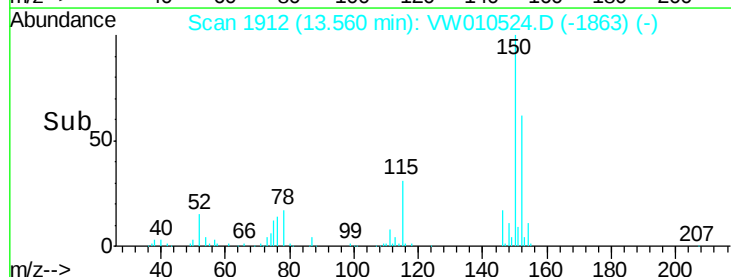
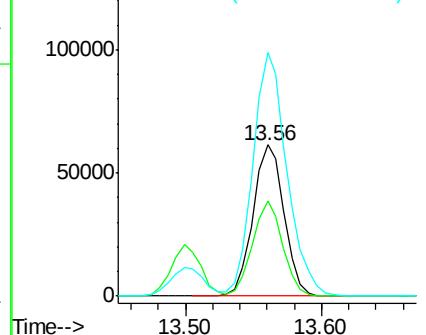
150 177.1 0.0 349.8

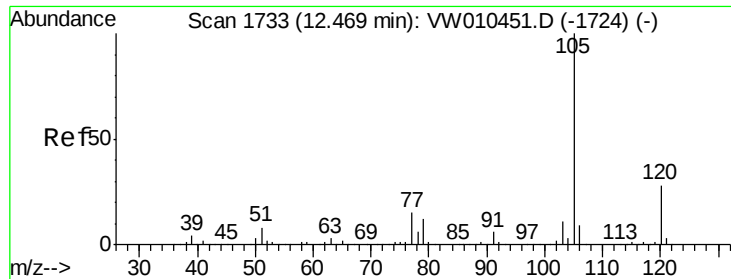


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





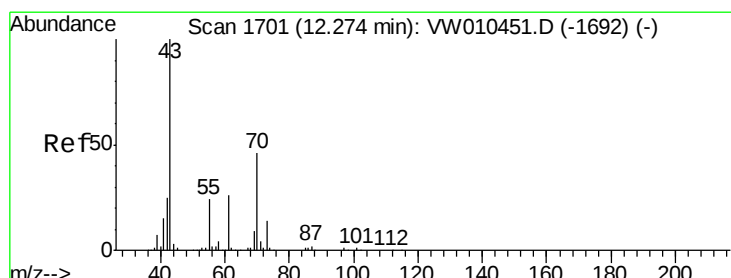
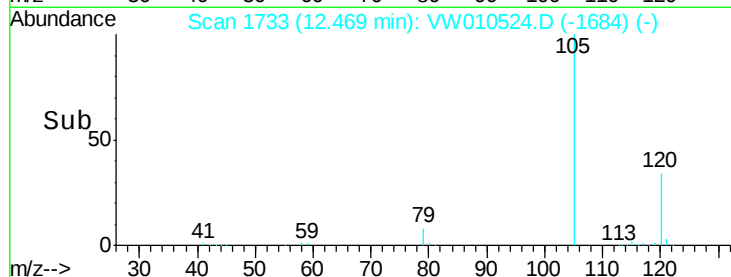
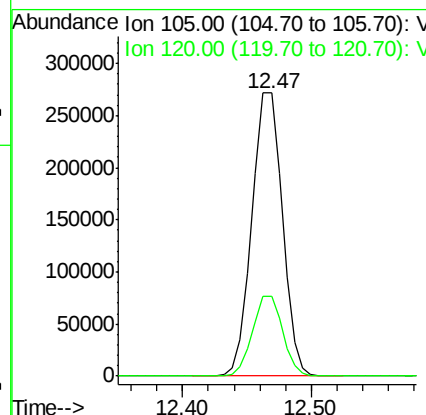
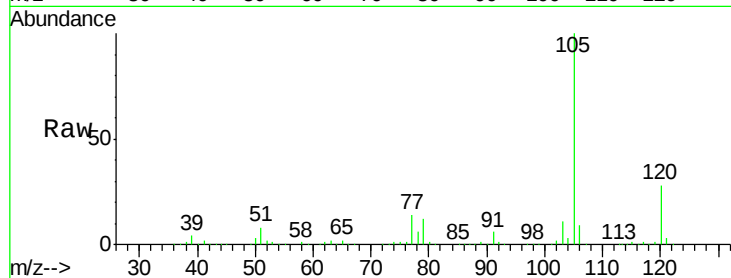
#73
Isopropylbenzene
Concen: 57.183 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 443613
Ion Ratio Lower Upper
105 100
120 28.0 13.9 41.7

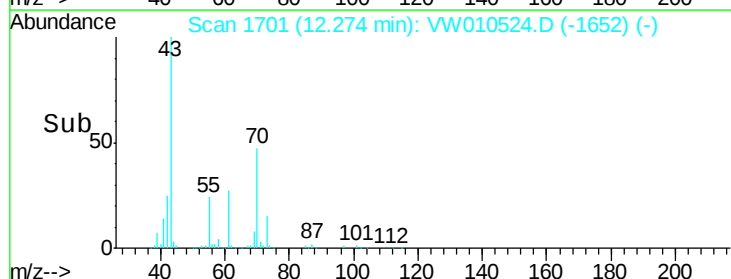
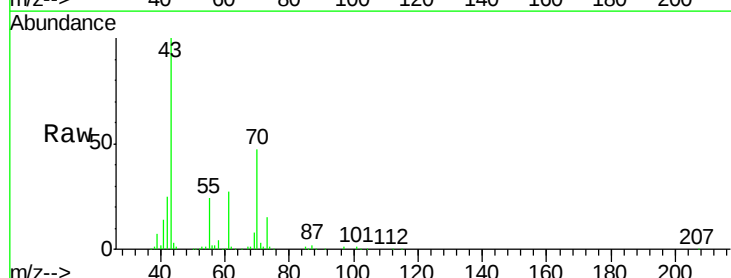
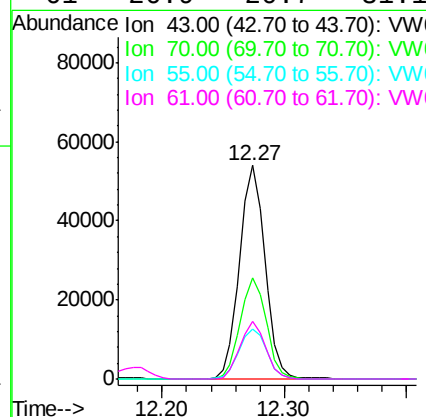
Manual Integrations
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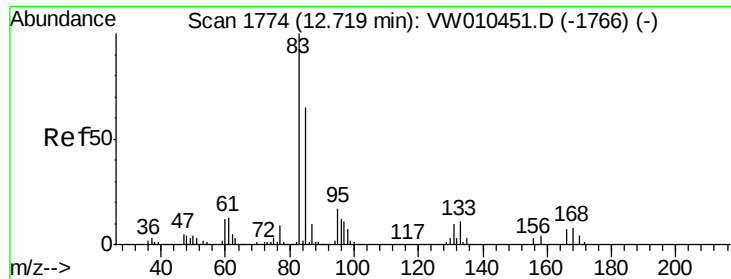
MMDadoda
5/24/2019 10:44:17 PM



#74
N-ethyl acetate
Concen: 43.618 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion: 43 Resp: 77541
Ion Ratio Lower Upper
43 100
70 49.0 37.1 55.7
55 25.5 19.6 29.4
61 26.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.937 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

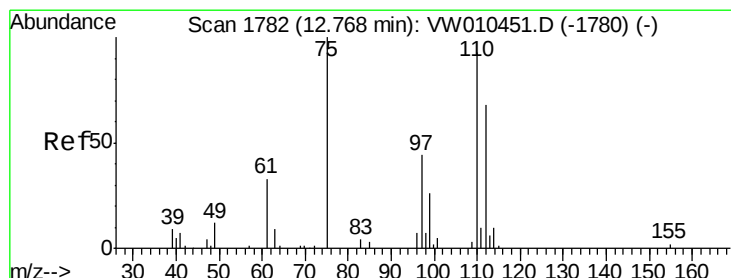
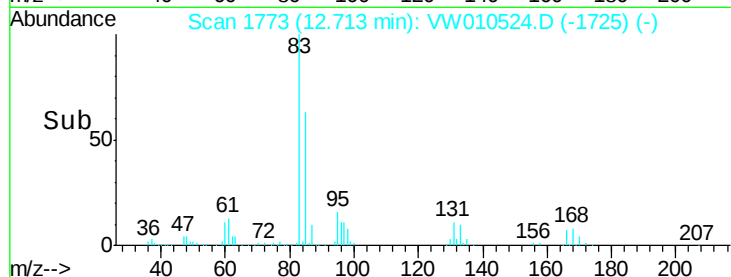
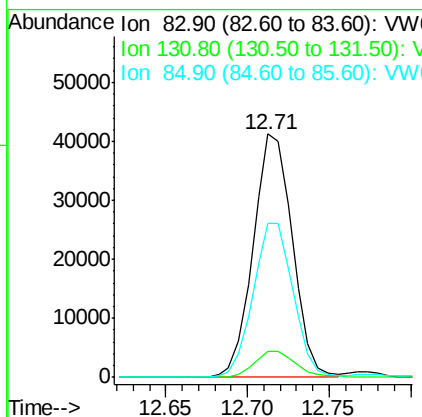
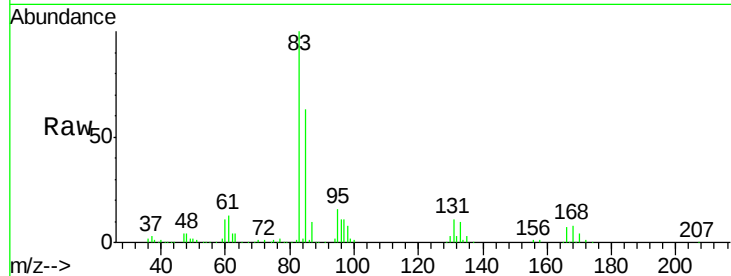
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	69052
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	64.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 48.115 ug/l m

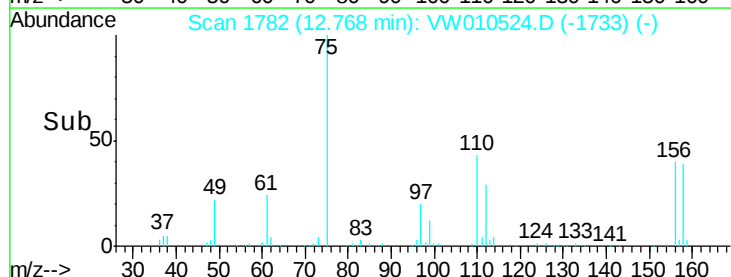
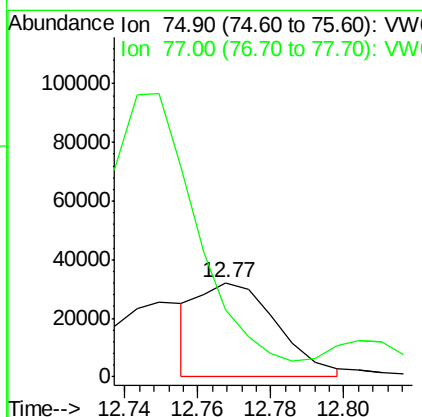
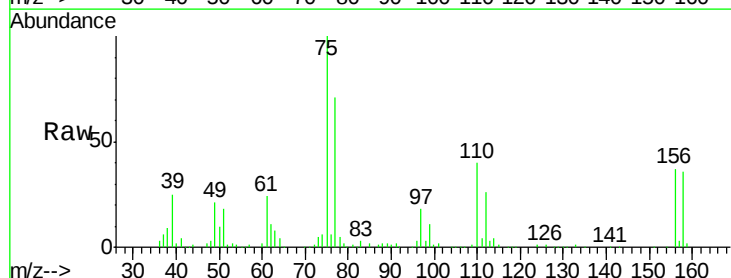
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion:	75	Resp:	47747
Ion Ratio	Lower	Upper	
75	100		
77	370.3	170.0	510.1





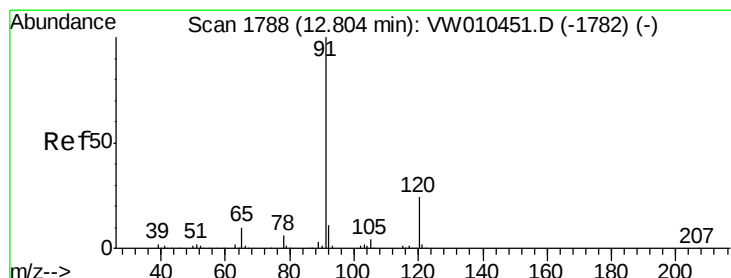
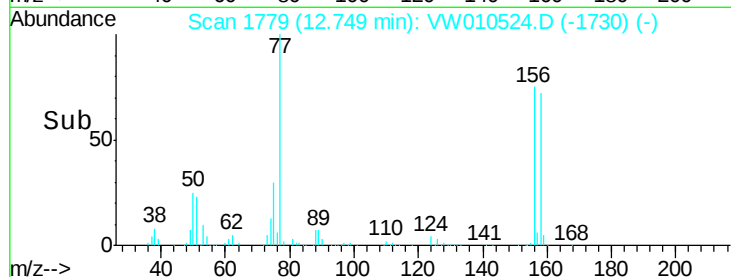
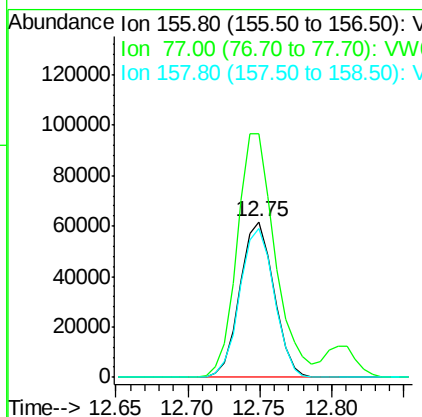
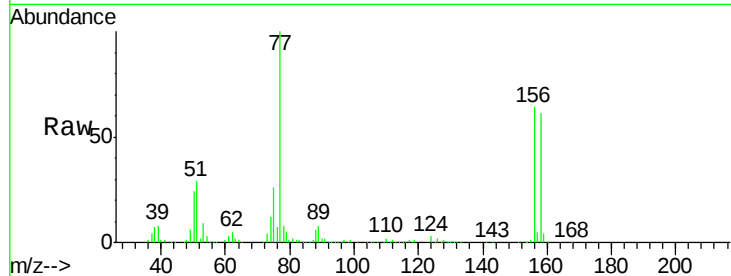
#77
Bromobenzene
Concen: 58.214 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.0	92.4	277.2
158	96.4	48.3	144.8

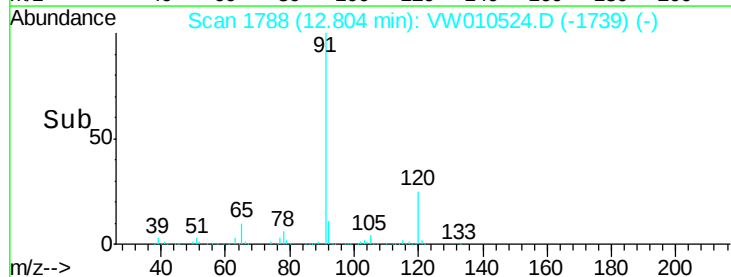
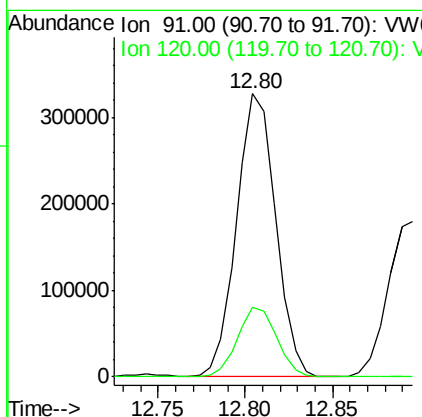
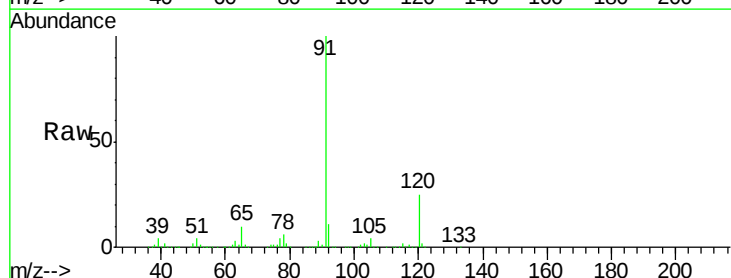
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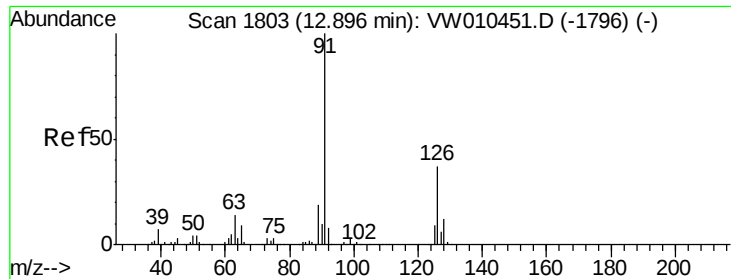
MMDadoda
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#78
n-propylbenzene
Concen: 56.400 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





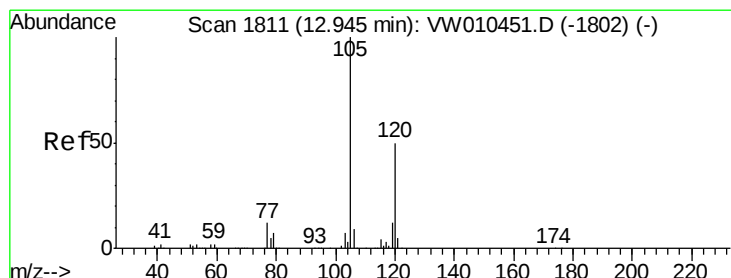
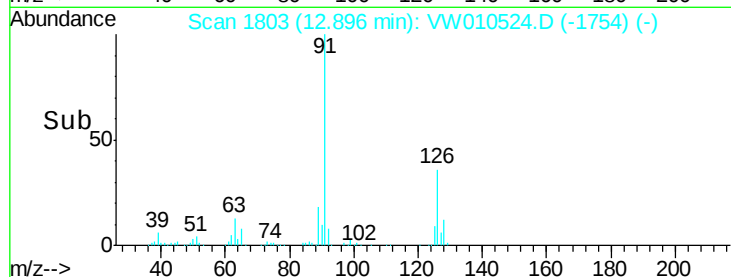
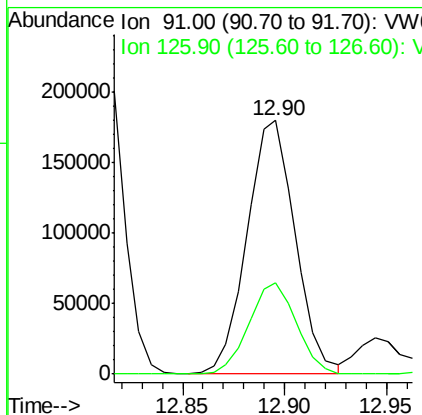
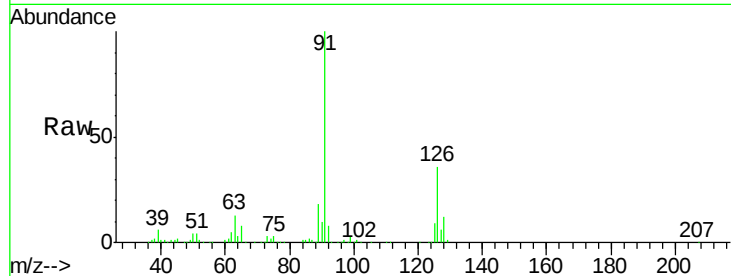
#79
2-Chlorotoluene
Concen: 56.488 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 296161
Ion Ratio Lower Upper
91 100
126 35.5 17.4 52.3

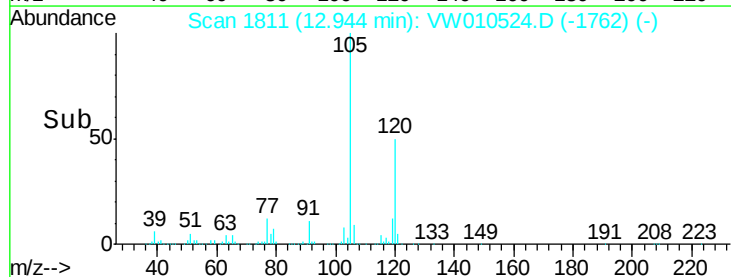
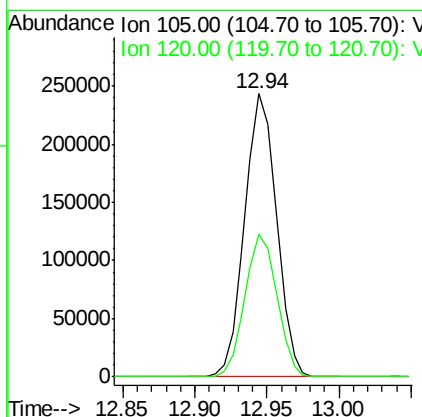
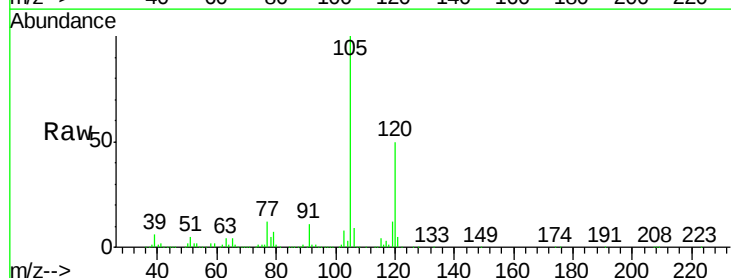
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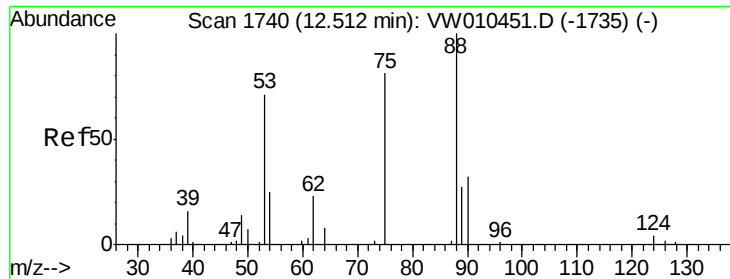
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#80
1,3,5-Trimethylbenzene
Concen: 56.745 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion: 105 Resp: 372837
Ion Ratio Lower Upper
105 100
120 50.7 25.2 75.6





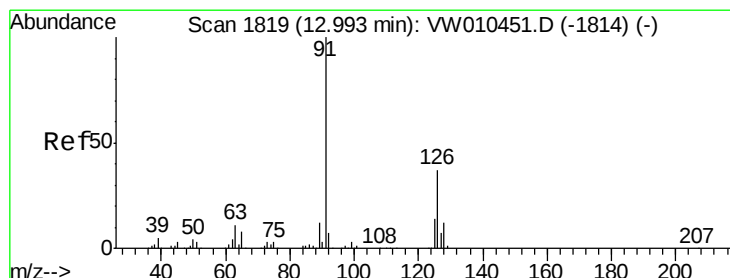
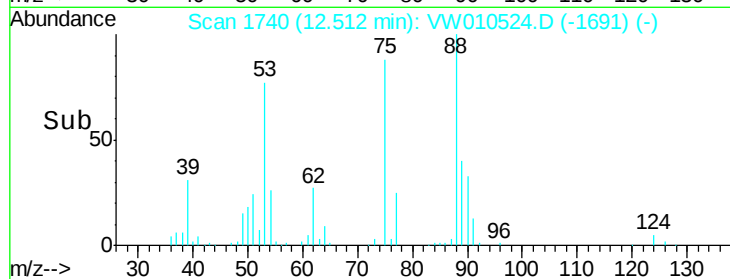
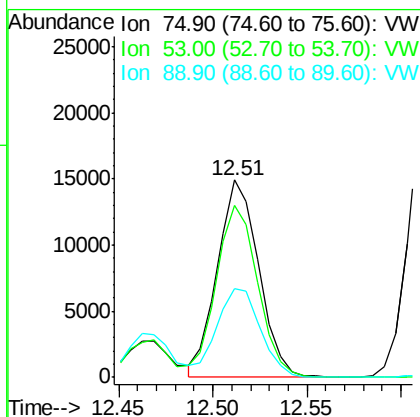
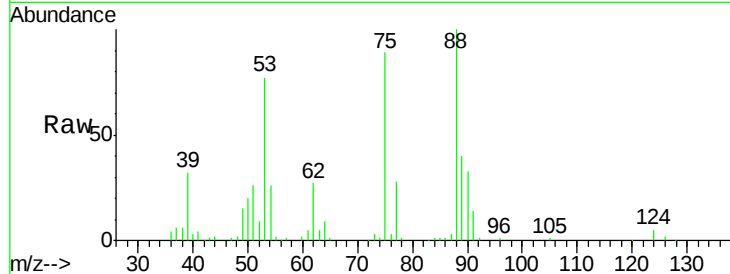
#81
trans-1,4-Dichloro-2-butene
Concen: 47.934 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	69.8	104.8
89	47.7	39.5	59.3

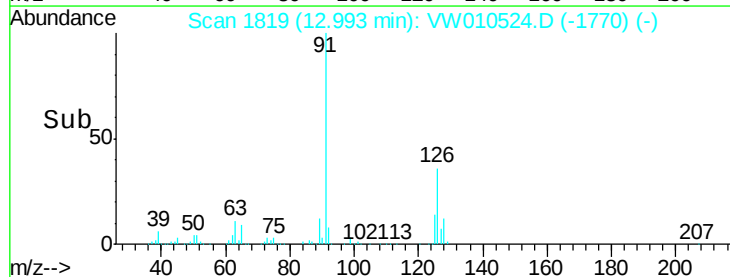
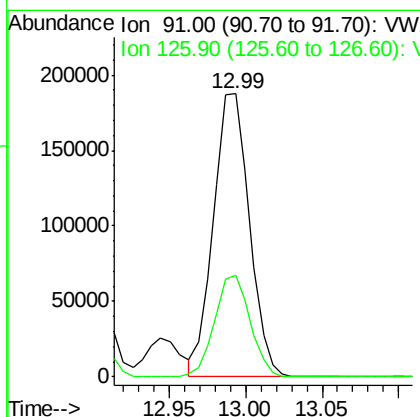
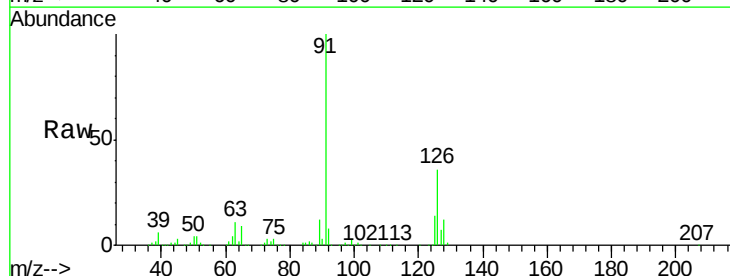
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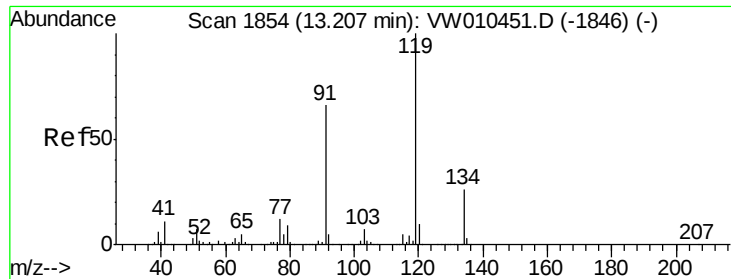
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#82
4-Chlorotoluene
Concen: 56.299 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.5	52.6





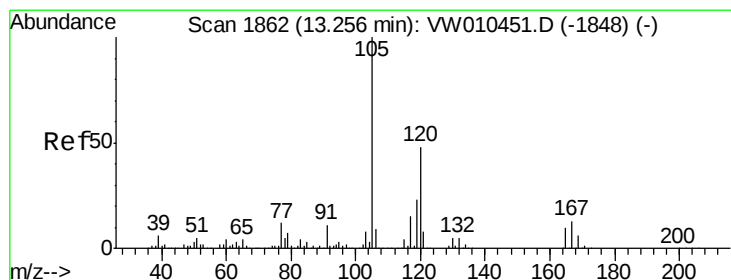
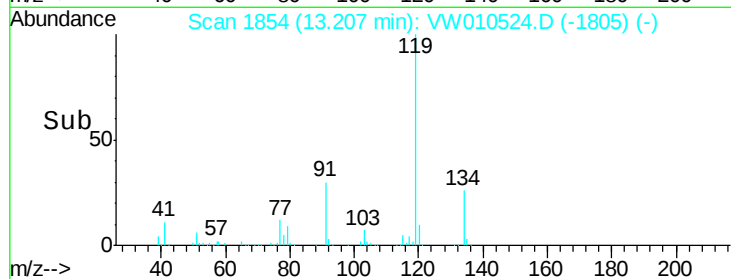
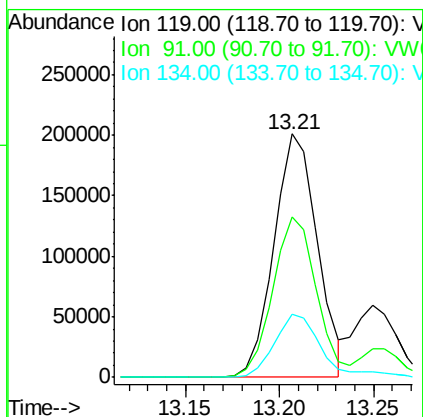
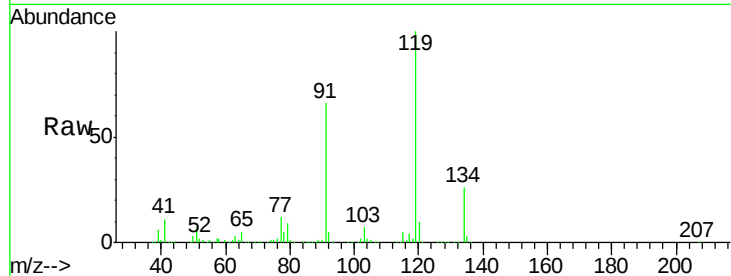
#83
 tert-Butylbenzene
 Concen: 55.929 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	320992		
91	66.5		33.1	99.5
134	28.0		13.9	41.6

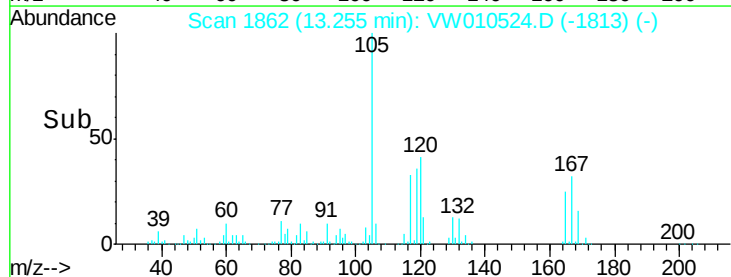
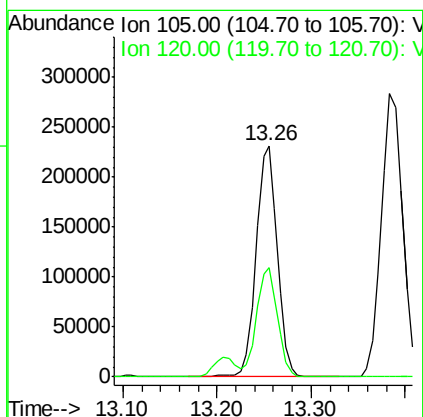
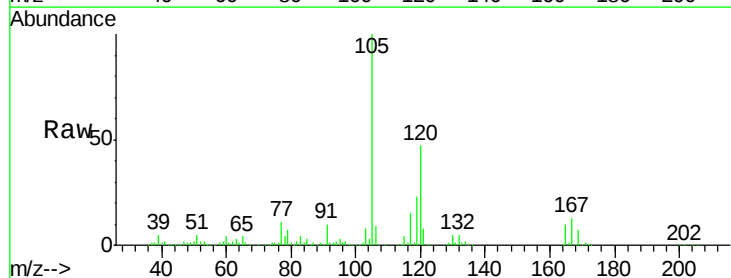
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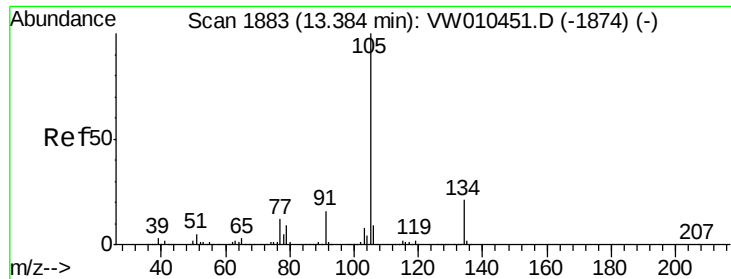
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.904 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365831		
120	47.0		23.4	70.2





#85

sec-Butylbenzene

Concen: 55.597 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 446543

Ion Ratio Lower Upper

105 100

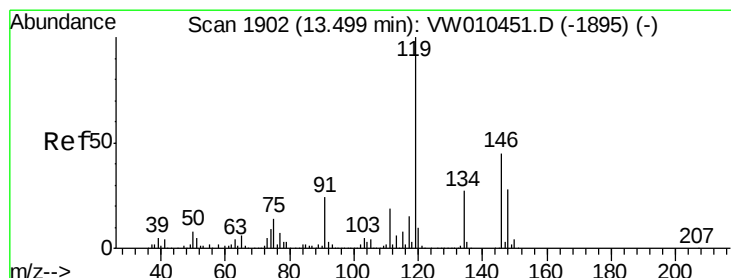
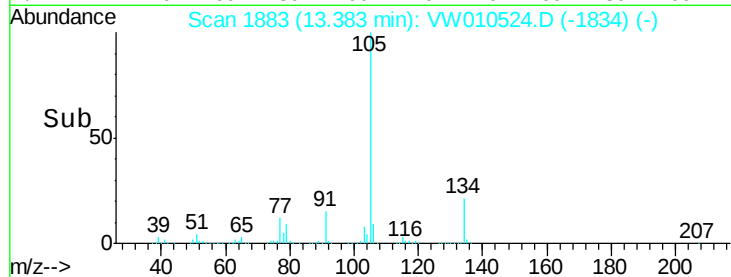
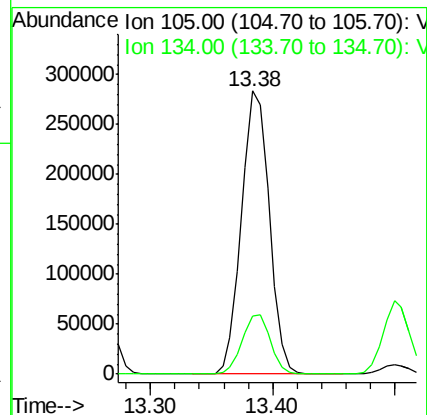
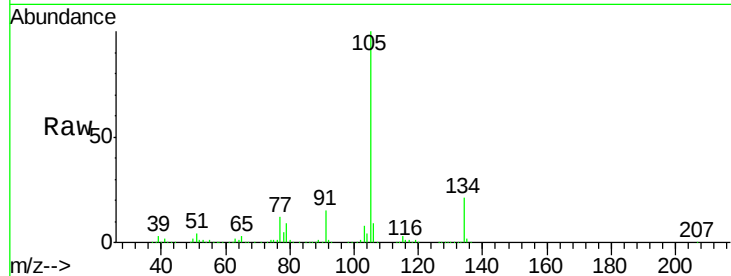
134 21.4 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 55.312 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

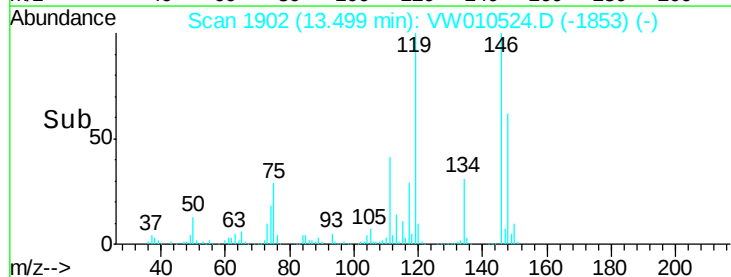
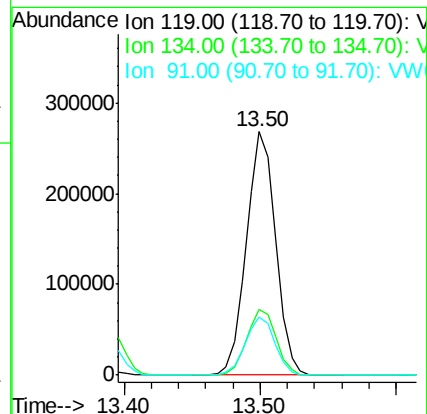
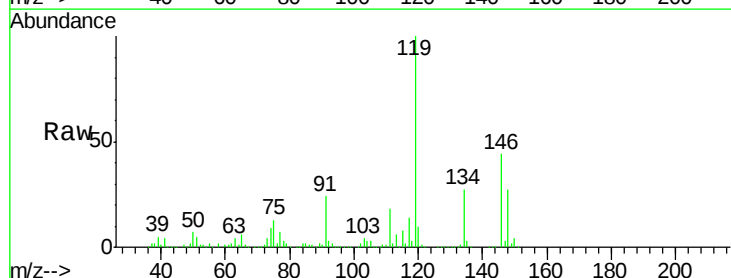
Tgt Ion:119 Resp: 402108

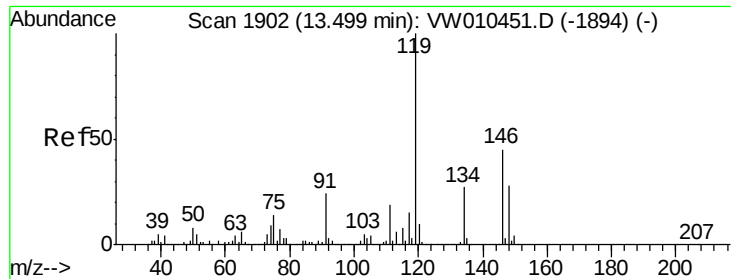
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 23.9 11.9 35.7





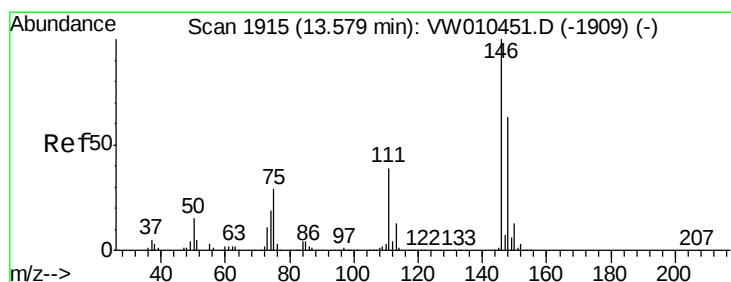
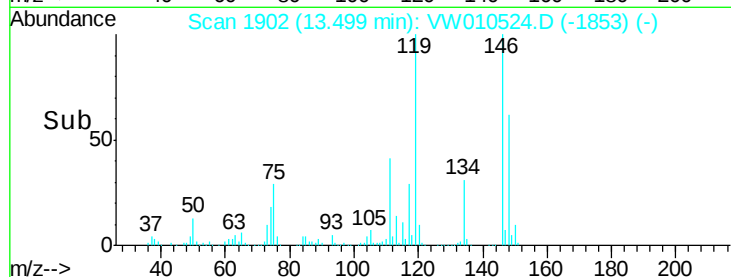
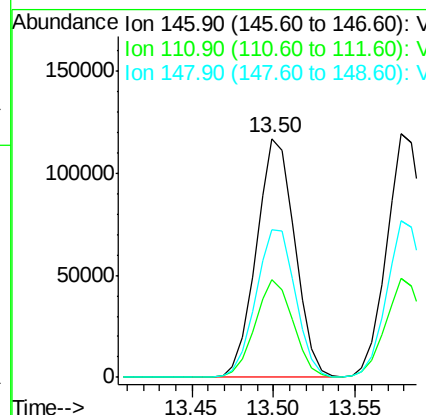
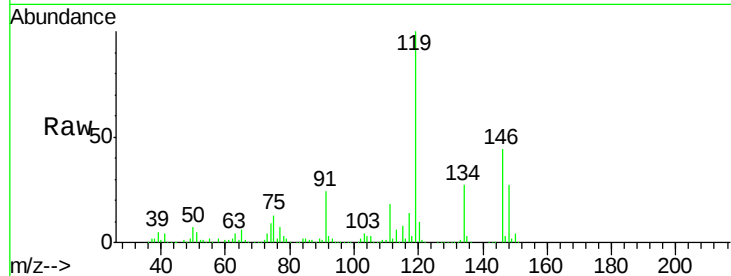
#87
 1,3-Dichlorobenzene
 Concen: 56.356 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191951		
111	40.4	20.3	60.9	
148	63.6	31.6	94.8	

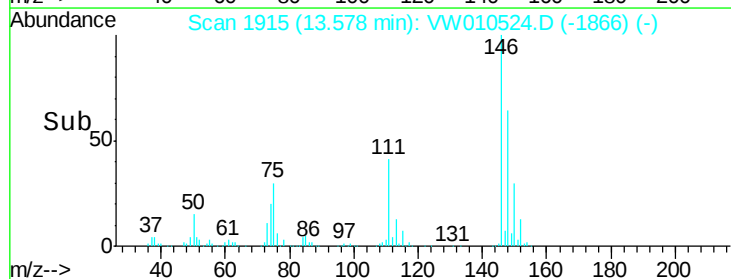
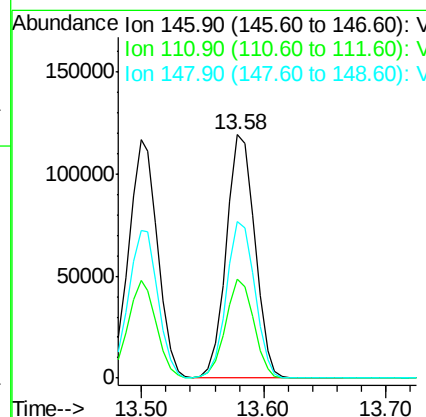
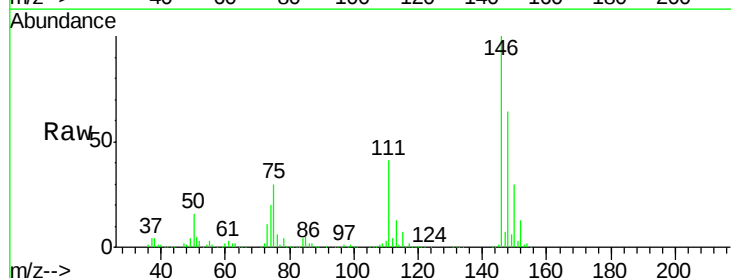
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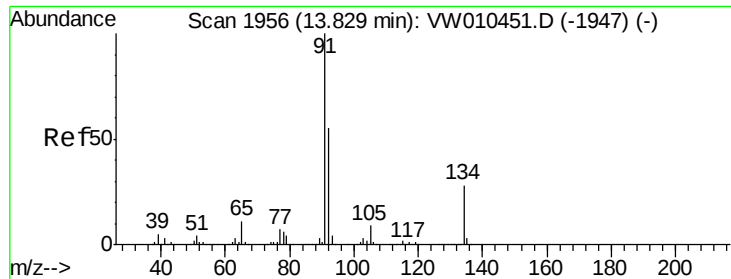
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#88
 1,4-Dichlorobenzene
 Concen: 56.451 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192911		
111	40.1	19.9	59.6	
148	64.0	31.6	94.8	





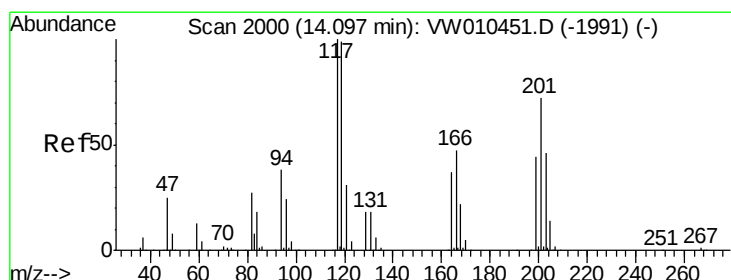
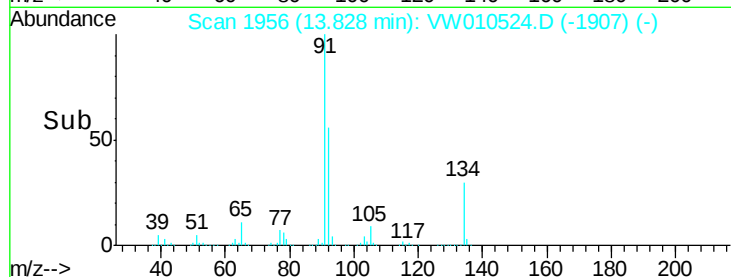
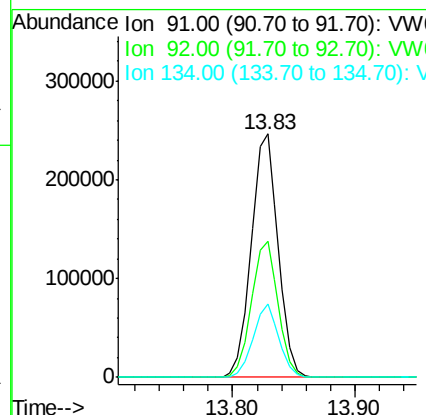
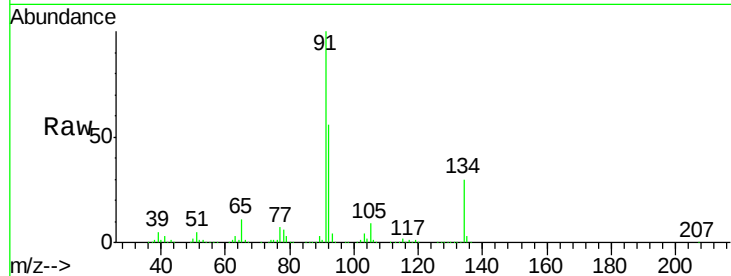
#89
n-Butylbenzene
Concen: 54.036 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.5	27.7	83.1	
134	28.9	13.9	41.6	

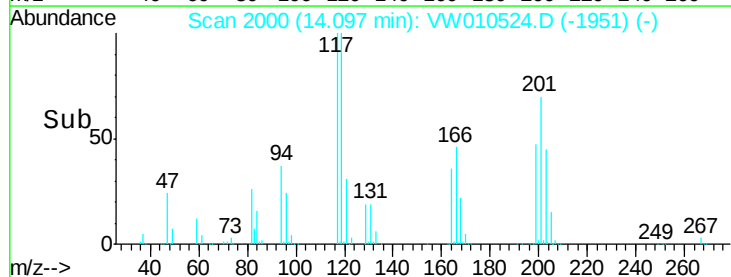
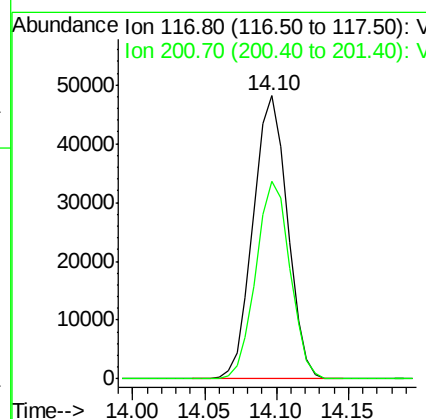
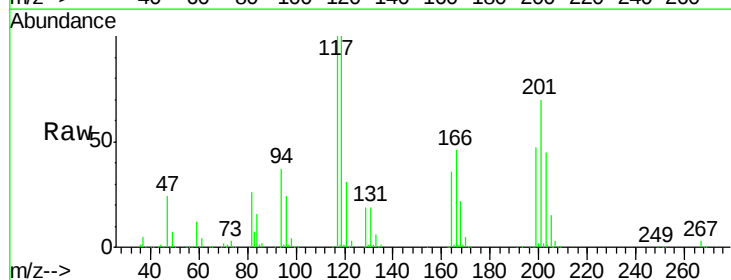
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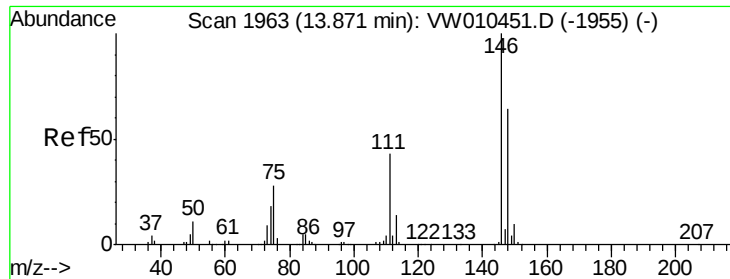
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#90
Hexachloroethane
Concen: 56.381 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	69.4	34.6	103.8	





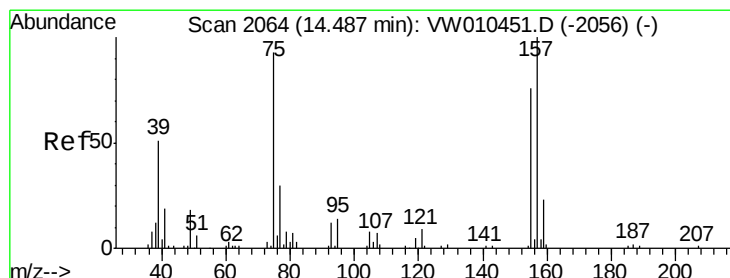
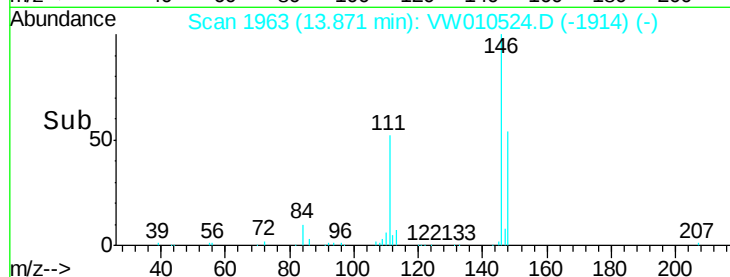
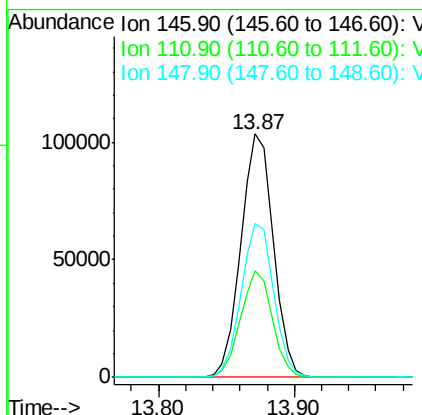
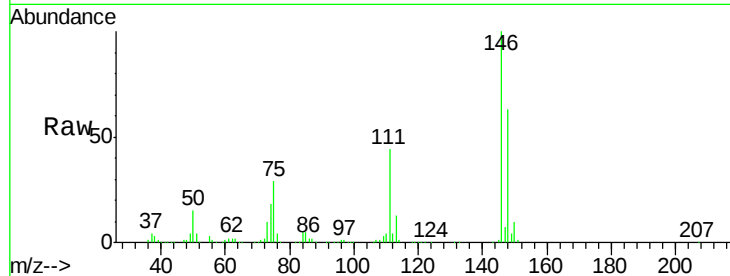
#91
 1,2-Dichlorobenzene
 Concen: 55.705 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	63.4	32.0	96.0

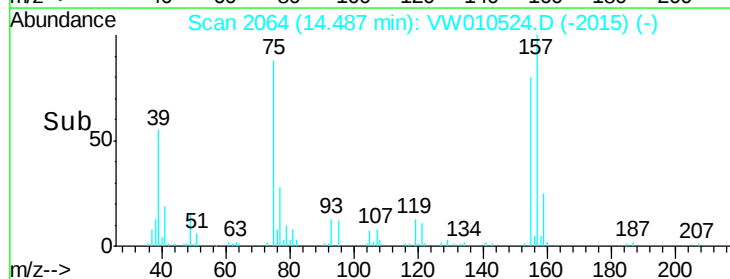
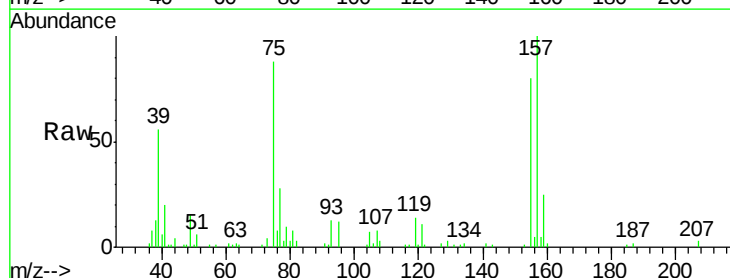
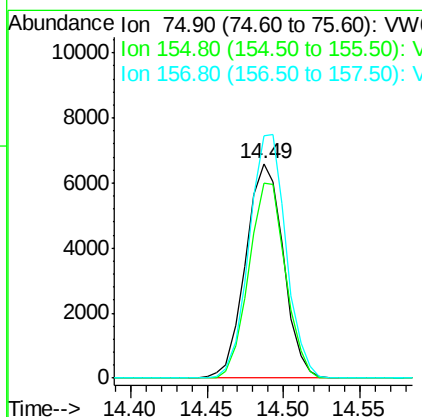
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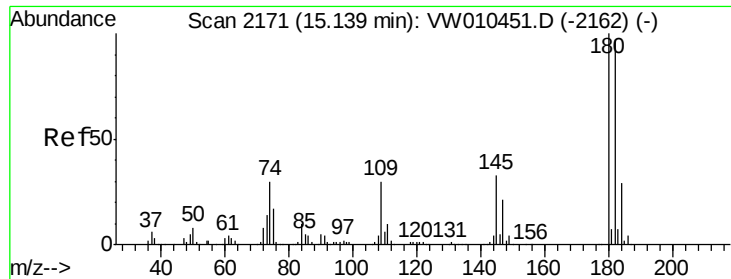
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.068 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010524.D
 Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	43.0	129.0
157	111.3	55.7	167.1





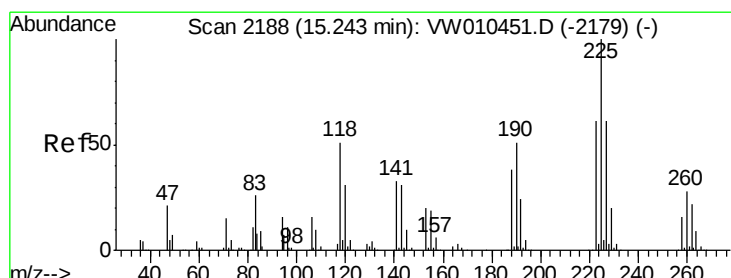
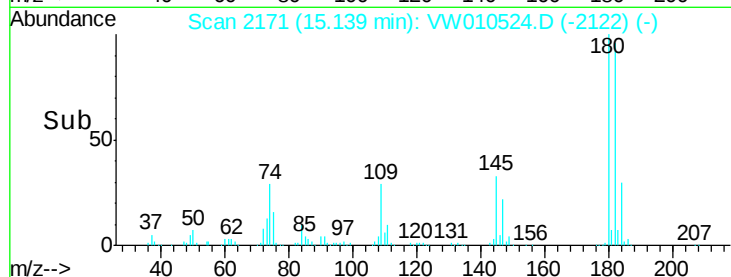
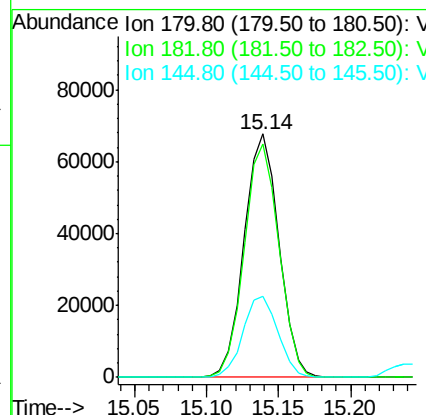
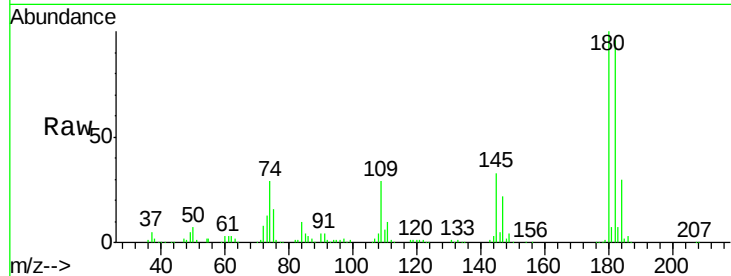
#93
1,2,4-Trichlorobenzene
Concen: 53.500 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.0	141.2	
145	33.6	16.7	50.0	

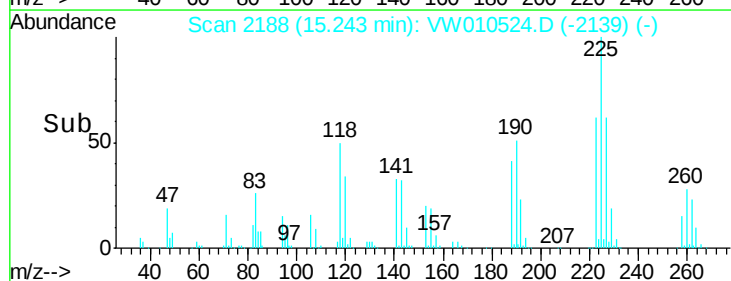
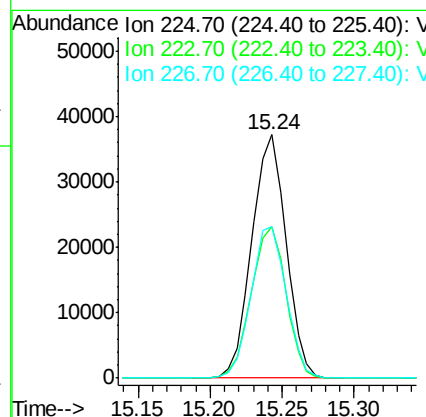
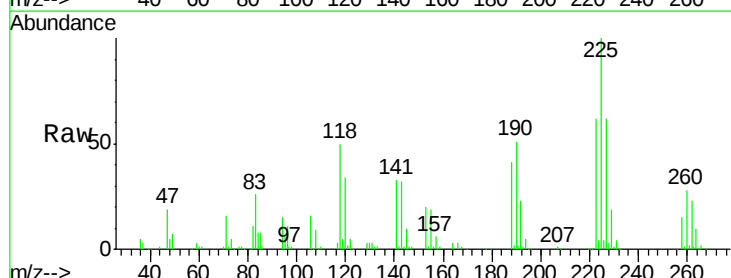
Manual Integrations
APPROVED

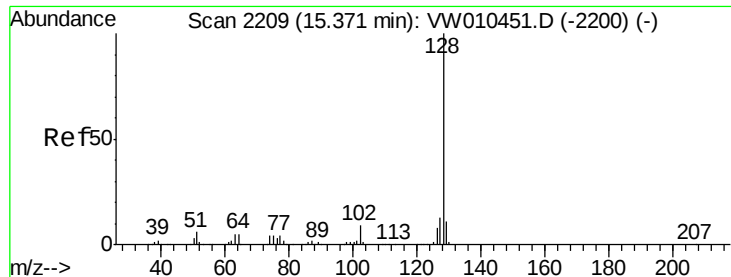
MMDadoda
5/24/2019 10:44:17 PM



#94
Hexachlorobutadiene
Concen: 54.216 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW010524.D
Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.2	
227	63.7	31.1	93.5	





#95

Naphthalene

Concen: 46.662 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Instrument :

MSVOA_W

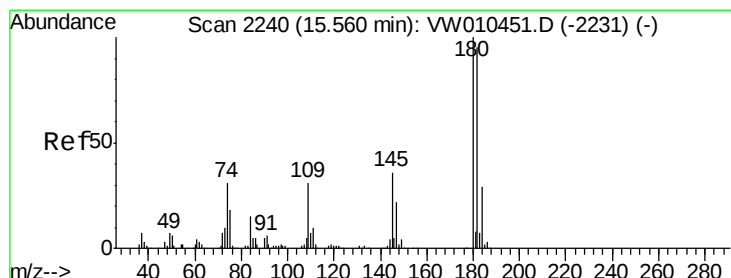
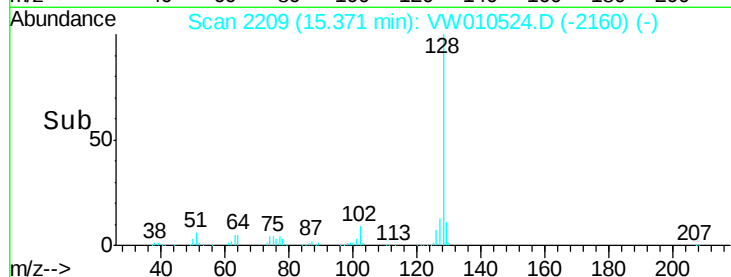
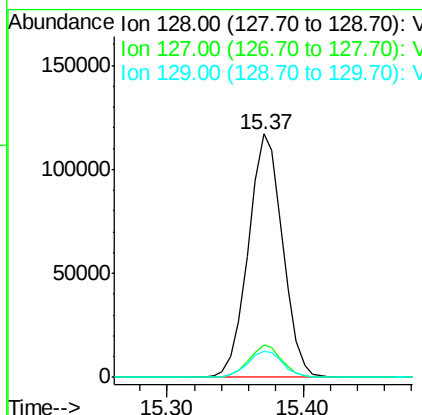
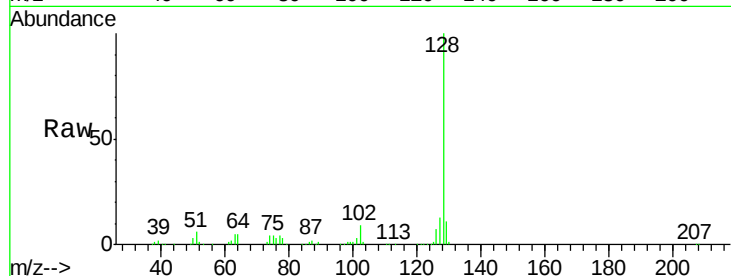
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	206826		
127	12.8		10.6	15.8
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:44:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.489 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010524.D

Acq: 23 May 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93551		
182	94.7		47.1	141.3
145	35.8		17.4	52.3

