

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010419.D
 Acq On : 17 May 2019 17:58
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:01 PM

Quant Time: May 17 23:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	794527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1402741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1253229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	582448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	182733	22.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.72%	
35) Dibromofluoromethane	7.88	113	181172	21.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.36%	
50) Toluene-d8	10.32	98	680139	21.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.00%	
62) 4-Bromofluorobenzene	12.62	95	262728	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	115978	23.169	ug/l	98
3) Chloromethane	2.20	50	170811	24.853	ug/l	99
4) Vinyl Chloride	2.35	62	178724	20.681	ug/l	98
5) Bromomethane	2.74	94	102179	18.524	ug/l	99
6) Chloroethane	2.90	64	114236	22.123	ug/l	97
7) Trichlorofluoromethane	3.24	101	258214	43.262	ug/l	99
8) Diethyl Ether	3.68	74	91257	21.896	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	164386	22.254	ug/l	99
10) Methyl Iodide	4.26	142	178327	15.647	ug/l	99
11) Tert butyl alcohol	5.18	59	78422	116.842	ug/l	99
12) 1,1-Dichloroethene	4.03	96	155917	20.208	ug/l	98
13) Acrolein	3.90	56	67661	159.275	ug/l	95
14) Allyl chloride	4.66	41	239837	23.972	ug/l	99
15) Acrylonitrile	5.37	53	195649	106.473	ug/l	99
16) Acetone	4.13	43	146328	99.874	ug/l	97
17) Carbon Disulfide	4.37	76	444560	21.183	ug/l	99
18) Methyl Acetate	4.67	43	96905	20.708	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	452141	35.824	ug/l	100
20) Methylene Chloride	4.91	84	178190	20.809	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	182232	21.194	ug/l	98
22) Diisopropyl ether	6.31	45	515545	21.615	ug/l	99
23) Vinyl Acetate	6.25	43	1598060	98.422	ug/l	98
24) 1,1-Dichloroethane	6.21	63	303440	20.862	ug/l	97
25) 2-Butanone	7.17	43	260075	94.753	ug/l	98
26) 2,2-Dichloropropane	7.17	77	273821	33.074	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	203809	20.542	ug/l	98
28) Bromochloromethane	7.51	49	115421	19.132	ug/l	97
29) Tetrahydrofuran	7.53	42	173688	94.464	ug/l	100
30) Chloroform	7.68	83	316557	20.714	ug/l	98
31) Cyclohexane	7.95	56	298623	21.111	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	297964	24.181	ug/l	99
36) 1,1-Dichloropropene	8.08	75	248621	20.598	ug/l	99
37) Ethyl Acetate	7.25	43	119202	19.696	ug/l	97
38) Carbon Tetrachloride	8.06	117	266693	21.544	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	332440	20.791	ug/l	99
40) Benzene	8.32	78	714284	20.344	ug/l	98
41) Methacrylonitrile	7.48	41	67423	18.335	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	214061	20.908	ug/l	100
43) Isopropyl Acetate	8.43	43	236854	18.996	ug/l	99
44) Trichloroethene	9.09	130	200821	20.027	ug/l	98
45) 1,2-Dichloropropane	9.37	63	177146	20.336	ug/l	96
46) Dibromomethane	9.46	93	103993	20.503	ug/l	98
47) Bromodichloromethane	9.64	83	254134	20.431	ug/l	99
48) Methyl methacrylate	9.44	41	109972	19.189	ug/l	99
49) 1,4-Dioxane	9.45	88	30704	346.352	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	601747	93.221	ug/l	99
52) Toluene	10.39	92	473393	20.231	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	262439	20.030	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	297570	20.089	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	146221	19.937	ug/l	98
56) Ethyl methacrylate	10.65	69	204470	19.634	ug/l	99
57) 1,3-Dichloropropane	10.93	76	244250	19.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	495691	108.595	ug/l	100
59) 2-Hexanone	10.97	43	424102	93.147	ug/l	99
60) Dibromochloromethane	11.13	129	181630	19.826	ug/l	99
61) 1,2-Dibromoethane	11.23	107	149376	20.183	ug/l	98
64) Tetrachloroethene	10.86	164	164487	19.856	ug/l	96
65) Chlorobenzene	11.66	112	507962	20.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	186014	20.200	ug/l	99
67) Ethyl Benzene	11.73	91	886067	20.064	ug/l	100
68) m/p-Xylenes	11.84	106	696359	40.299	ug/l	98
69) o-Xylene	12.17	106	329845	19.805	ug/l	98
70) Styrene	12.18	104	573312	19.803	ug/l	100
71) Bromoform	12.35	173	101850	19.074	ug/l #	100
73) Isopropylbenzene	12.47	105	896368	21.095	ug/l	99
74) N-amyl acetate	12.27	43	221507	18.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	174744	20.925	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	121602m	19.187	ug/l	
77) Bromobenzene	12.75	156	206719	21.085	ug/l	99
78) n-propylbenzene	12.80	91	1038982	20.909	ug/l	99
79) 2-Chlorotoluene	12.90	91	601221	20.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	769539	21.015	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	63022	20.673	ug/l	96
82) 4-Chlorotoluene	12.99	91	632984	20.879	ug/l	99
83) tert-Butylbenzene	13.21	119	645038	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	752638	20.610	ug/l	100
85) sec-Butylbenzene	13.38	105	904045	20.703	ug/l	100
86) p-Isopropyltoluene	13.50	119	816338	20.546	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	395445	20.741	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	386810	20.328	ug/l	99
89) n-Butylbenzene	13.83	91	777563	20.504	ug/l	100
90) Hexachloroethane	14.10	117	163767	20.819	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	363238	20.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32959	21.230	ug/l	95

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QLast Update : Fri May 17 23:21:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	227341	18.897	ug/l	99
94) Hexachlorobutadiene	15.24	225	119594	19.459	ug/l	99
95) Naphthalene	15.37	128	523454	19.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	201558	18.865	ug/l	98

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

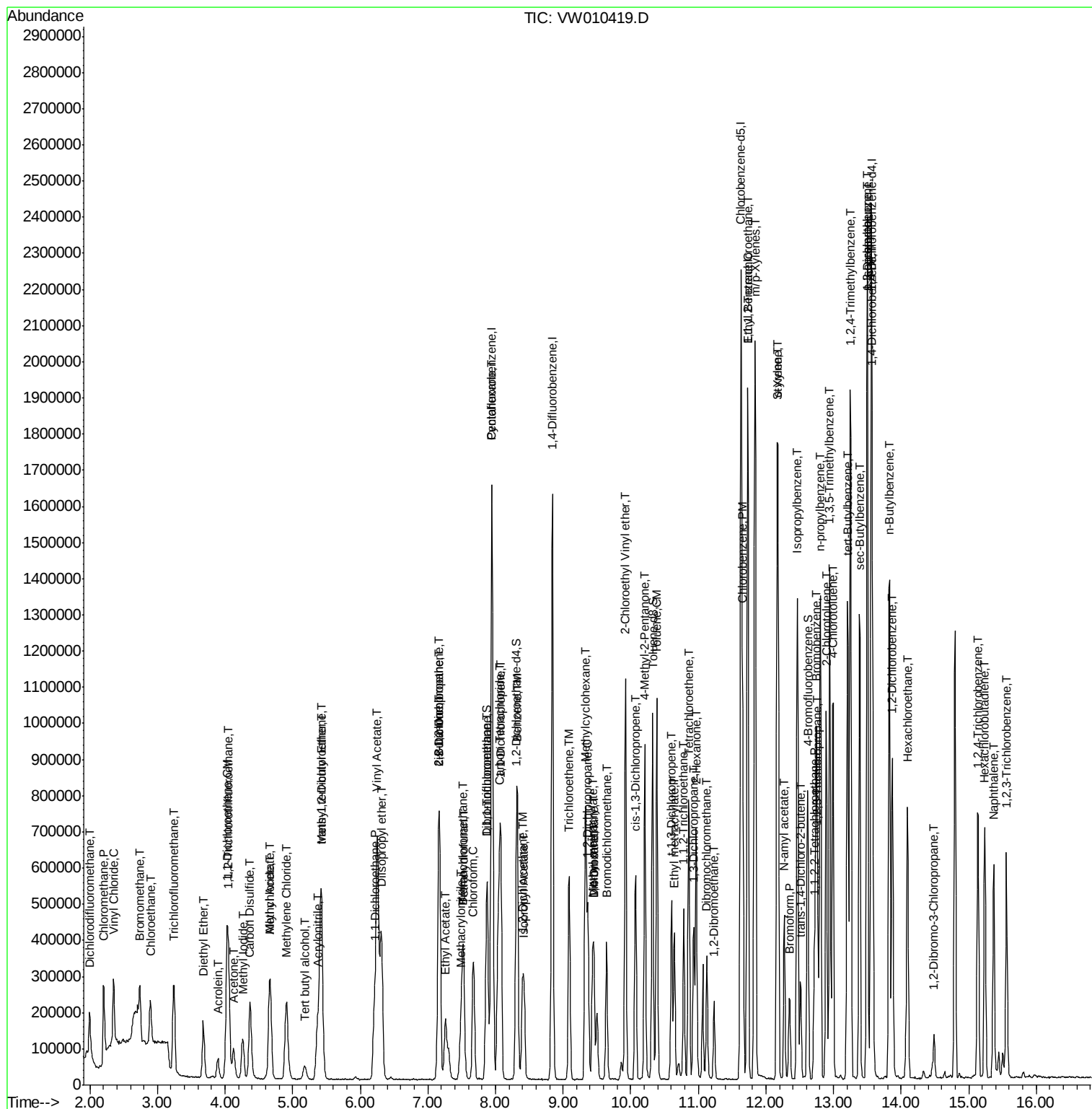
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
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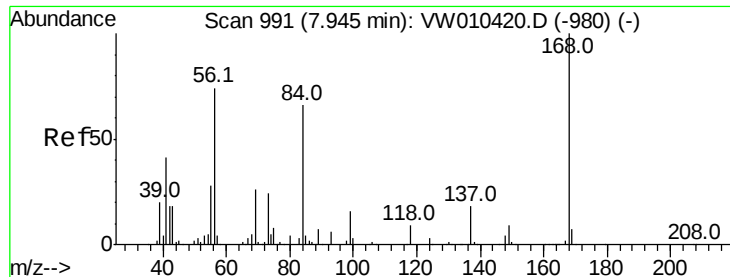
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 794527

Ion Ratio Lower Upper

168 100

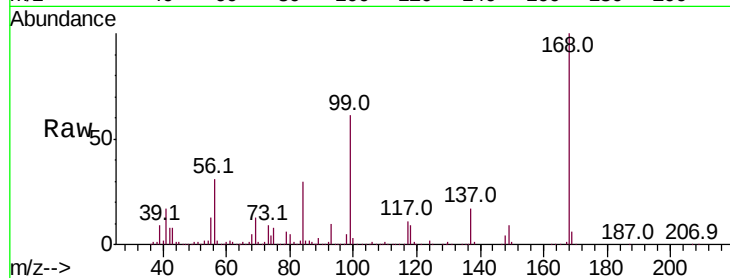
99 60.8 50.8 76.2

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

400000

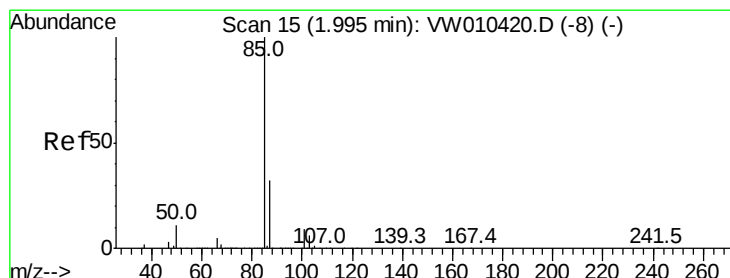
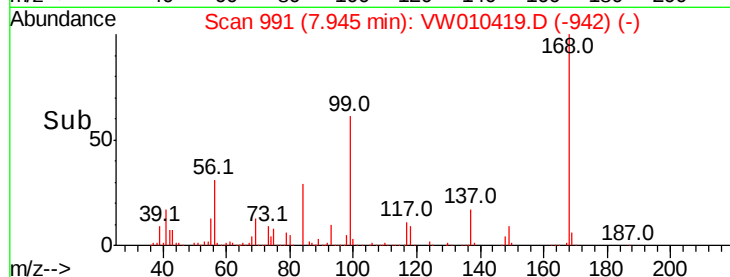
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.169 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010419.D

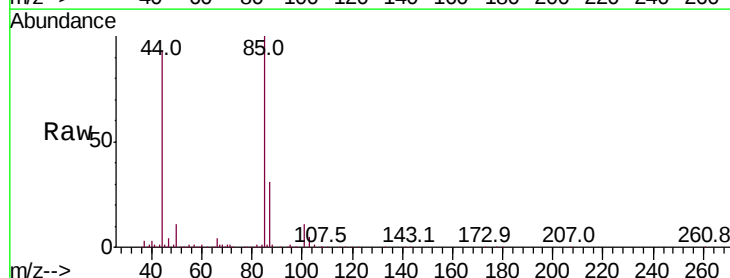
Acq: 17 May 2019 17:58

Tgt Ion: 85 Resp: 115978

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

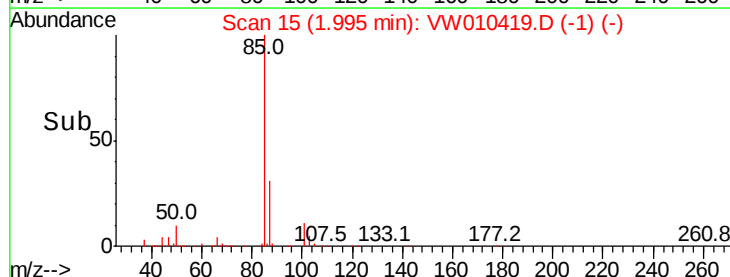
60000

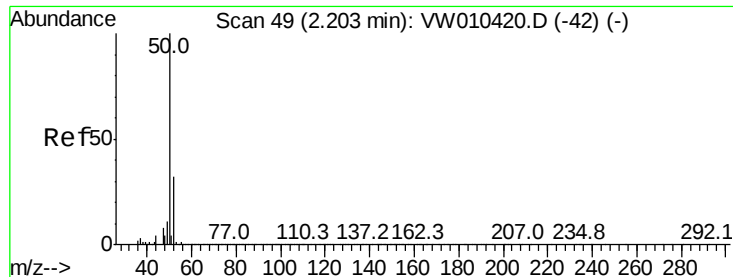
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 24.853 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 170811

Ion Ratio Lower Upper

50 100

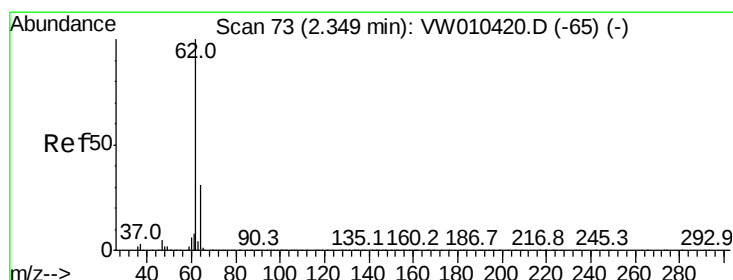
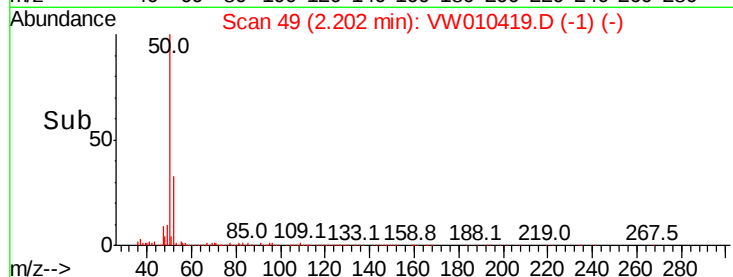
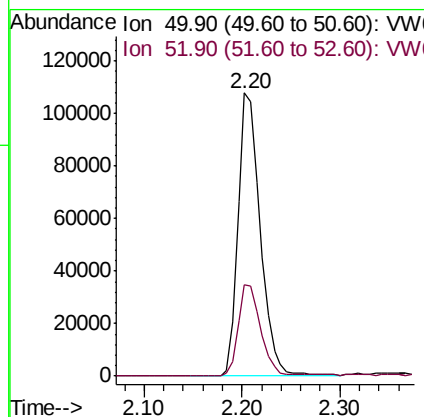
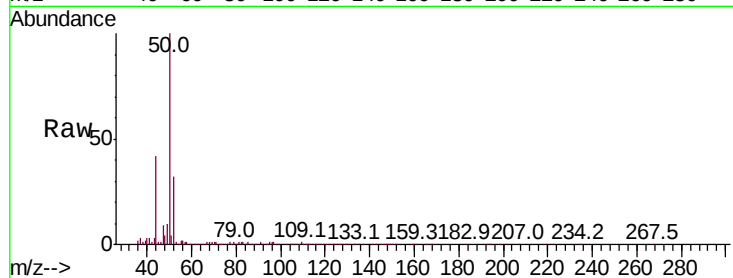
52 32.5 25.4 38.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.681 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010419.D

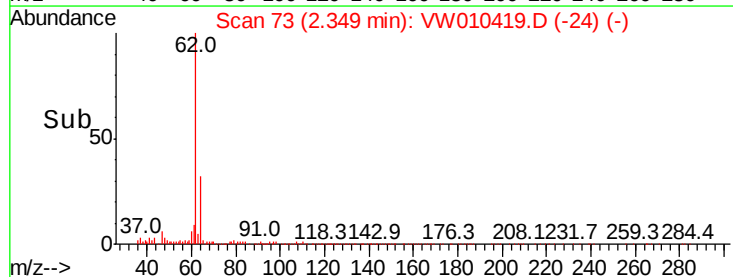
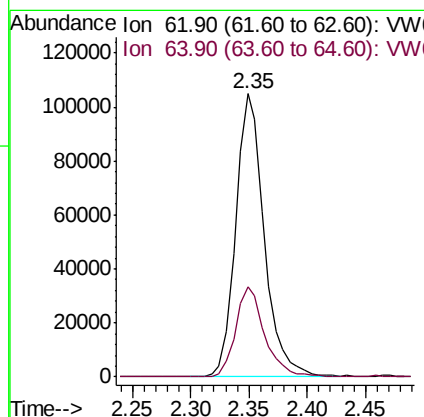
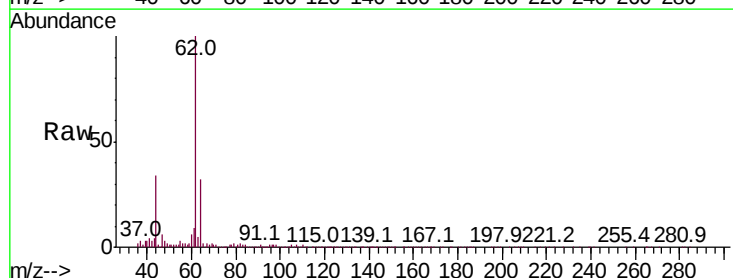
Acq: 17 May 2019 17:58

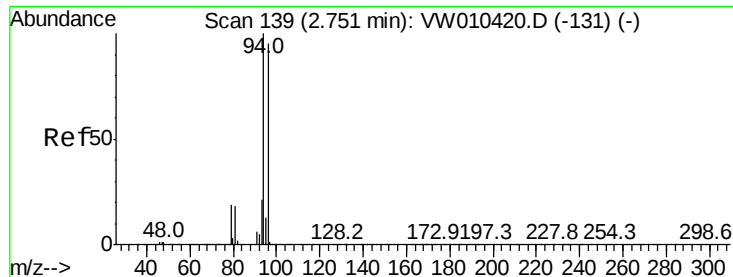
Tgt Ion: 62 Resp: 178724

Ion Ratio Lower Upper

62 100

64 31.8 24.4 36.6





#5

Bromomethane

Concen: 18.524 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 102179

Ion Ratio Lower Upper

94 100

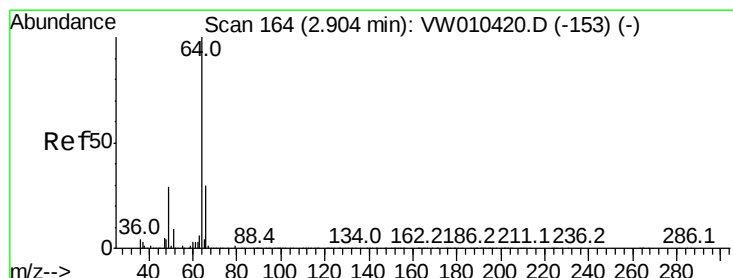
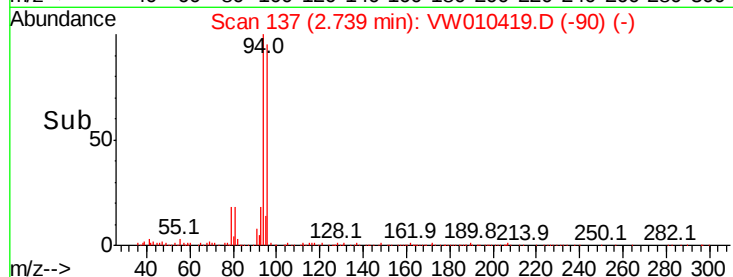
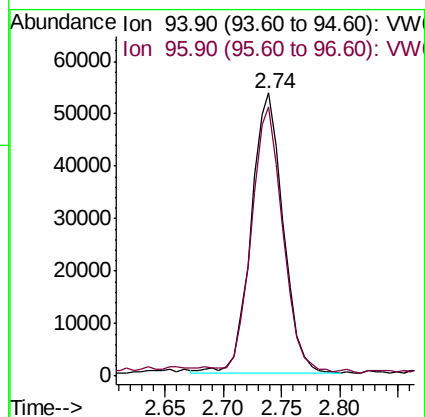
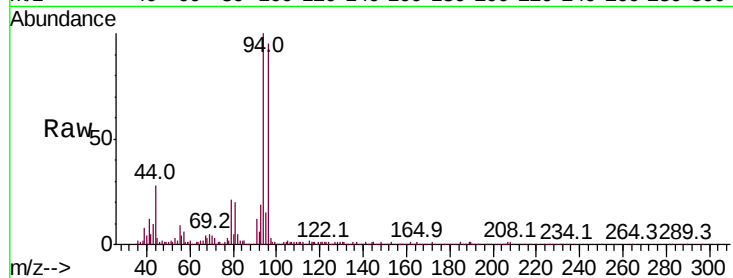
96 93.8 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 22.123 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010419.D

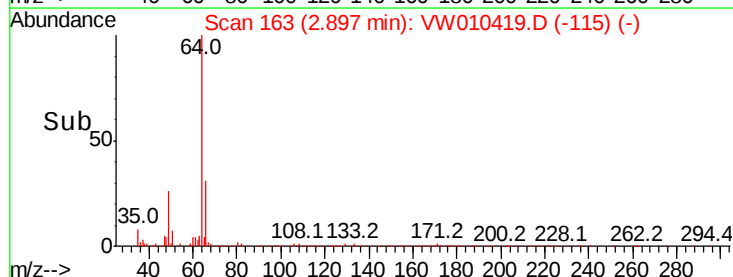
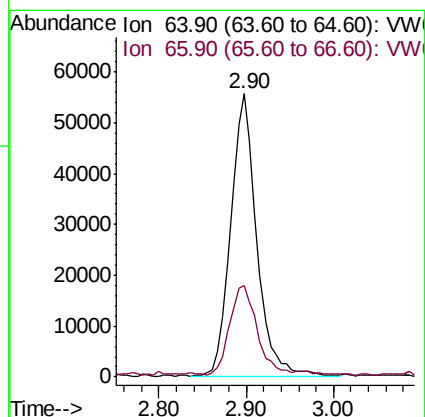
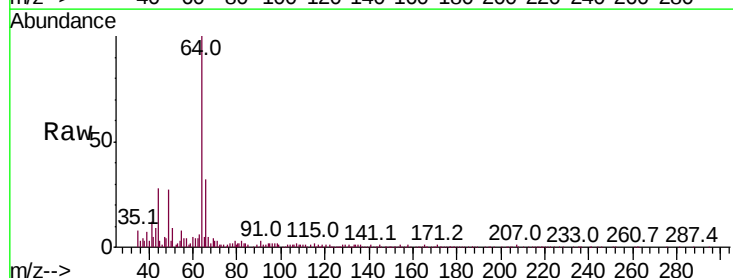
Acq: 17 May 2019 17:58

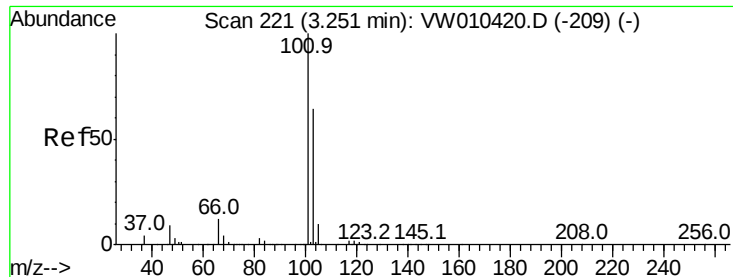
Tgt Ion: 64 Resp: 114236

Ion Ratio Lower Upper

64 100

66 31.3 23.6 35.4





#7

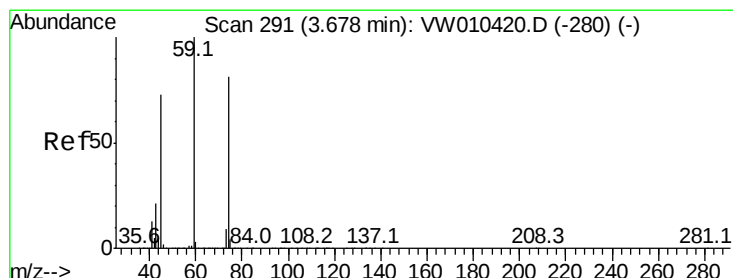
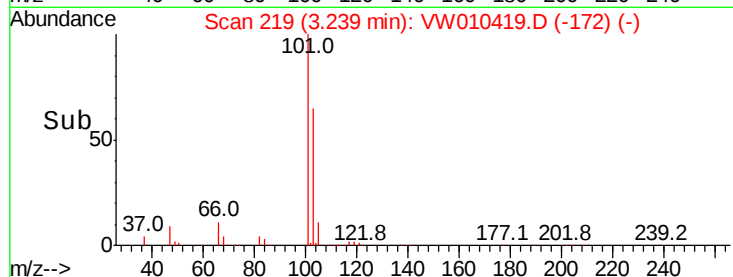
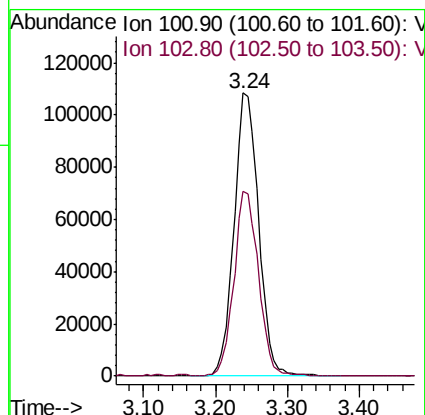
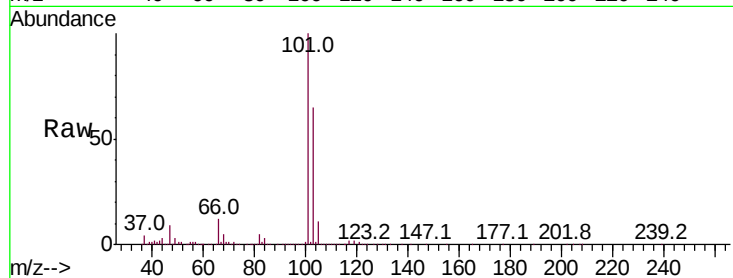
Trichlorofluoromethane
Concen: 43.262 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		258214		
103	65.2	51.4	77.0		

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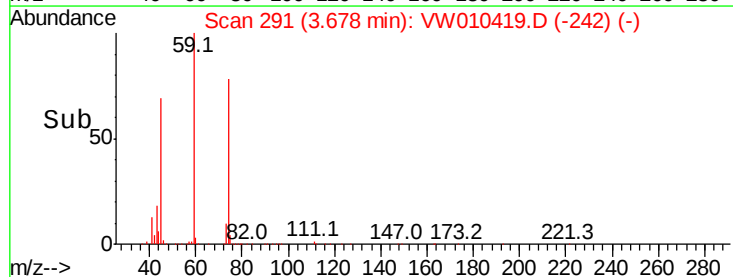
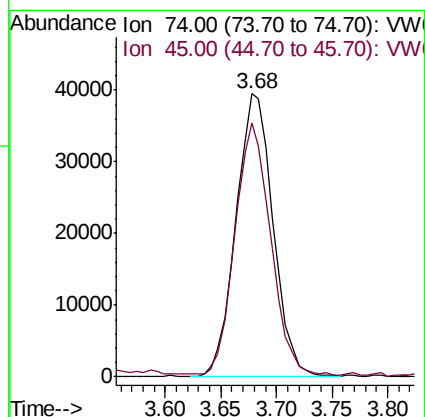
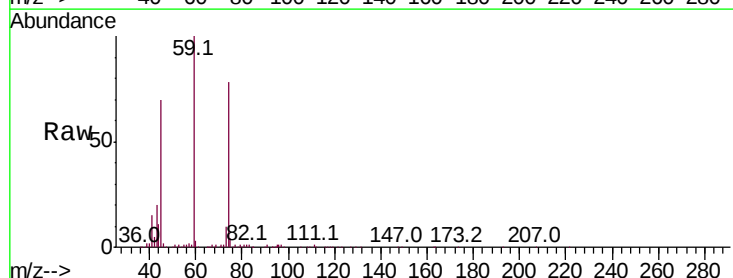
MMDadoda
5/20/2019 12:16:01 PM

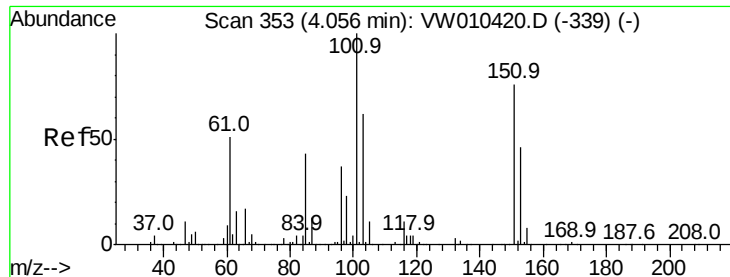


#8

Diethyl Ether
Concen: 21.896 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		91257		
45	86.2	43.4	130.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.254 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

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MSVOA_W

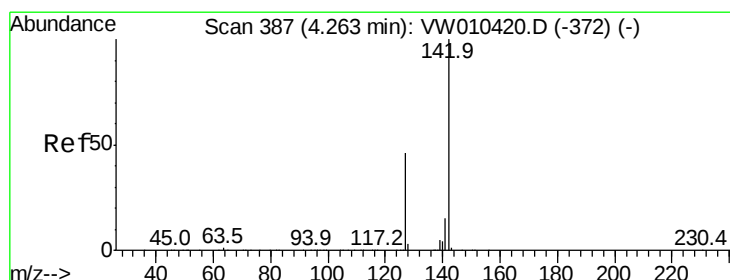
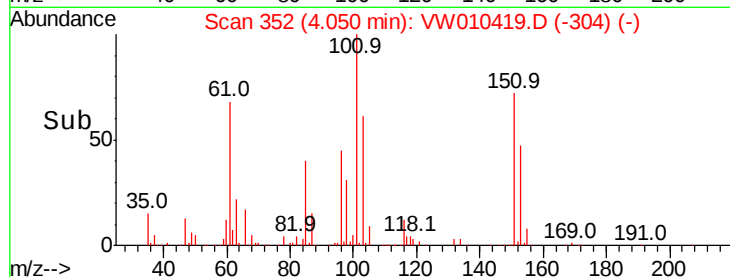
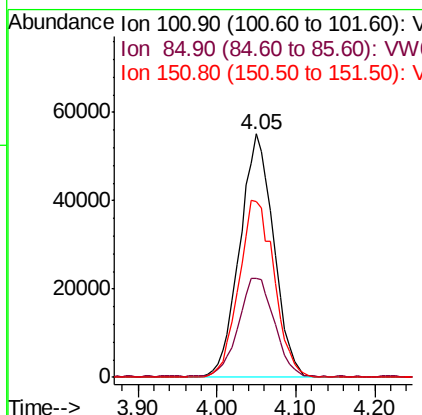
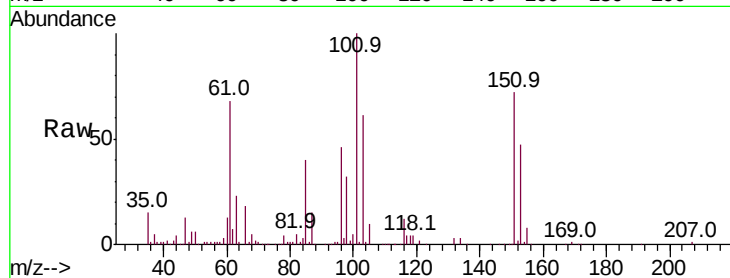
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	164386
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.3	51.5
151	75.5	59.4	89.2

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#10

Methyl Iodide

Concen: 15.647 ug/l

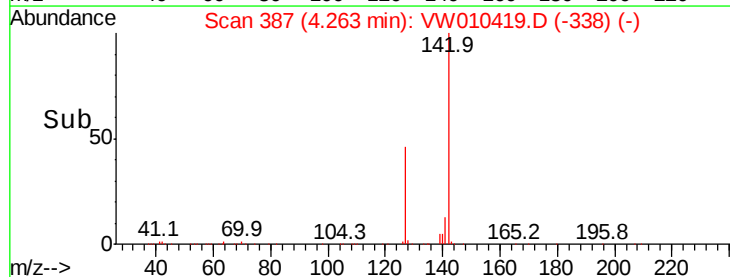
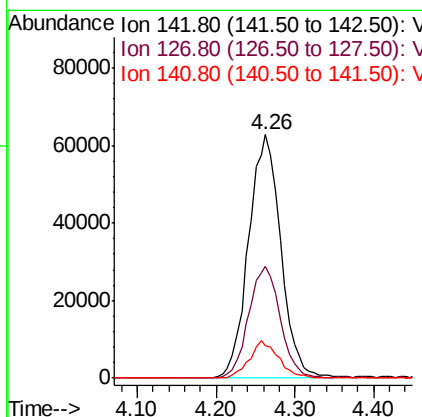
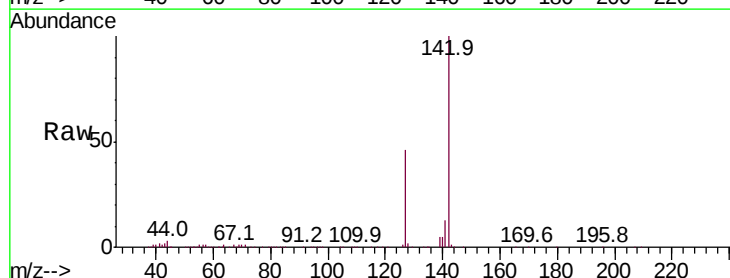
RT: 4.26 min Scan# 387

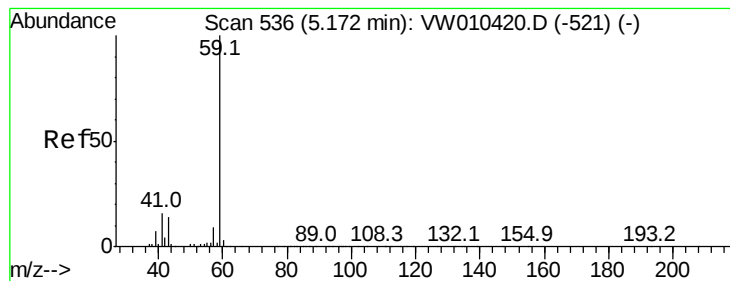
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	142	Resp:	178327
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.4	53.2
141	14.0	11.4	17.2





#11

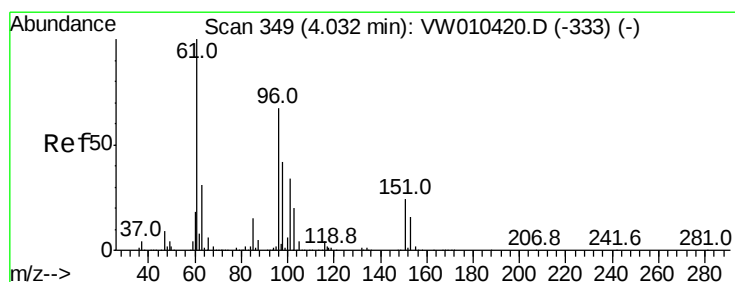
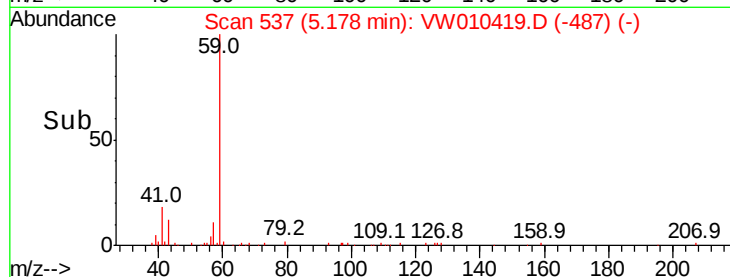
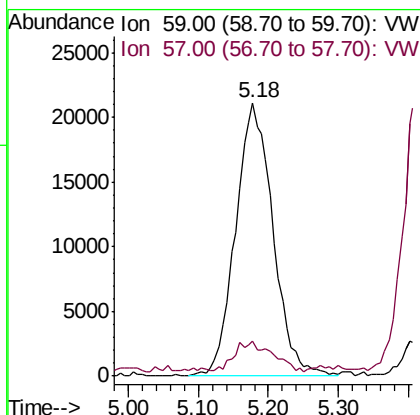
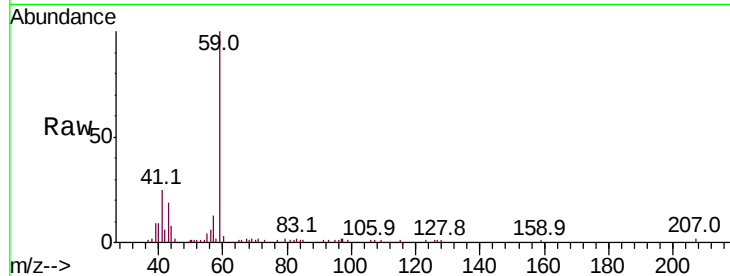
Tert butyl alcohol
 Concen: 116.842 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	59	Resp	78422
Ion Ratio	100	Lower	Upper
57	10.9	8.4	12.6

Manual Integrations
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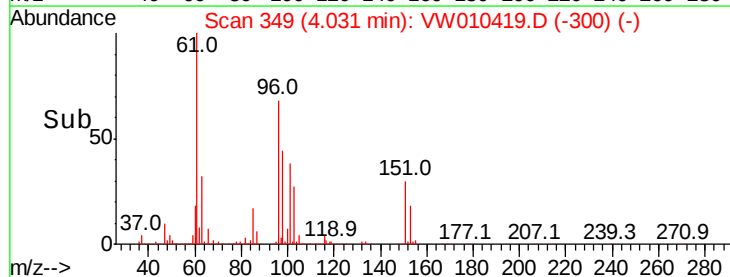
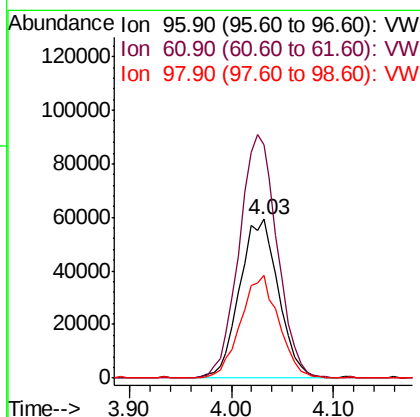
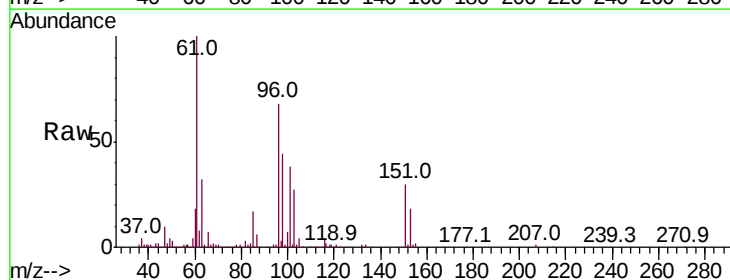
MMDadoda
 5/20/2019 12:16:01 PM

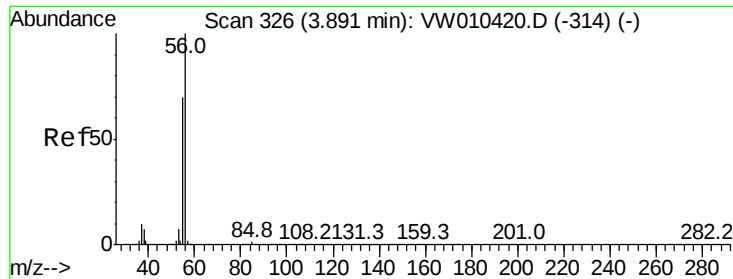


#12

1,1-Dichloroethene
 Concen: 20.208 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	96	Resp	155917
Ion Ratio	100	Lower	Upper
61	146.9	120.3	180.5
98	64.2	50.7	76.1





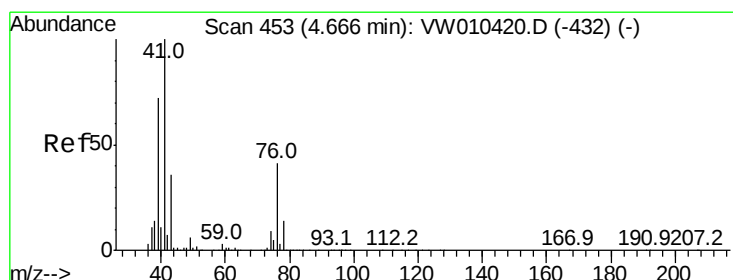
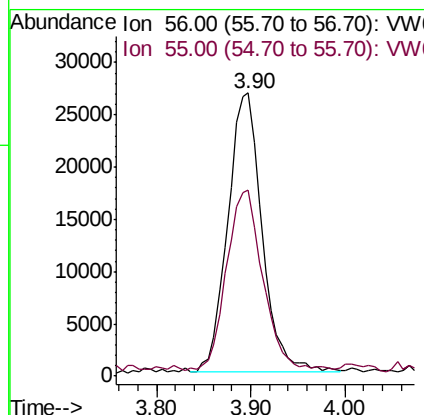
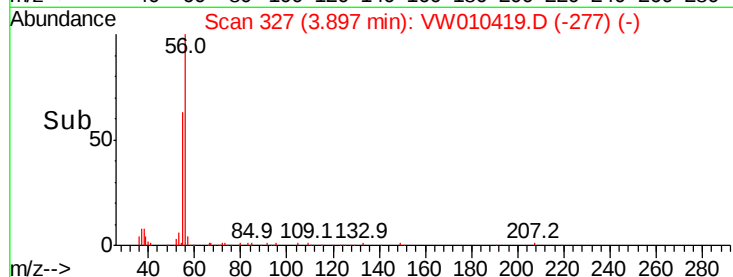
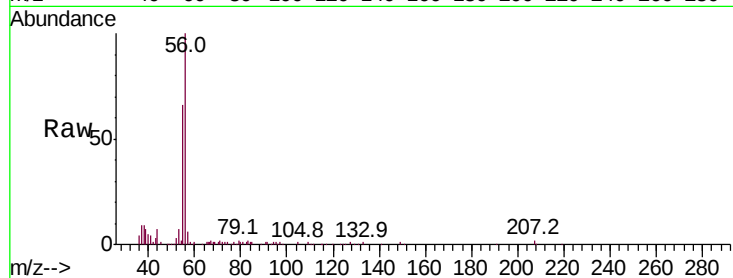
#13
Acrolein
Concen: 159.275 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.0	57.6	86.4

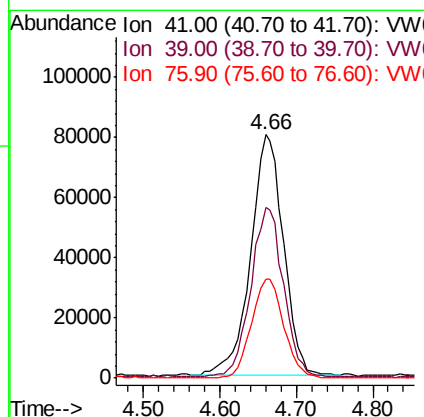
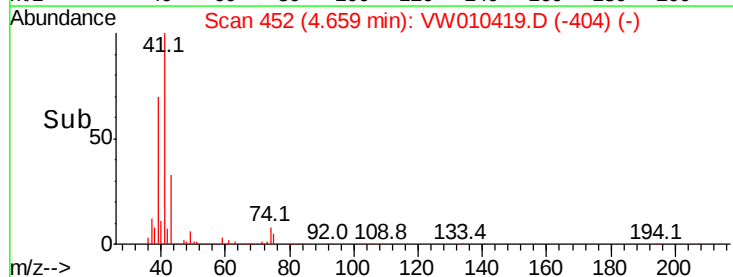
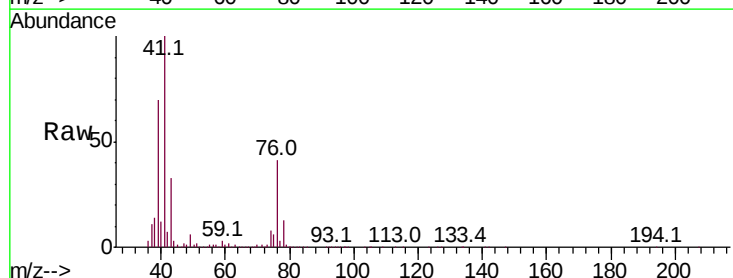
Manual Integrations
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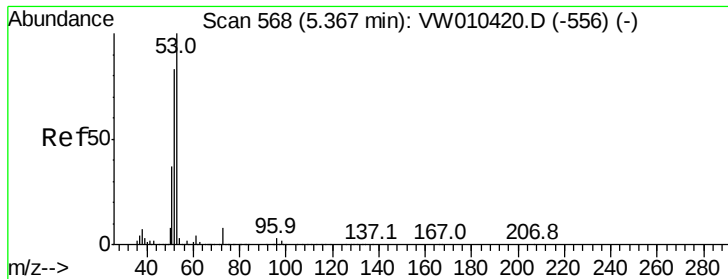
MMDadoda
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#14
Allyl chloride
Concen: 23.972 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.8	54.9	82.3
76	40.5	31.8	47.6





#15

Acrylonitrile

Concen: 106.473 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

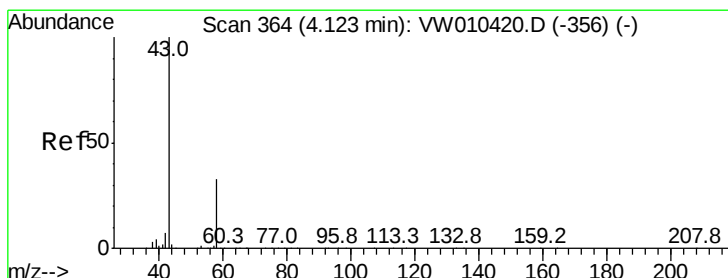
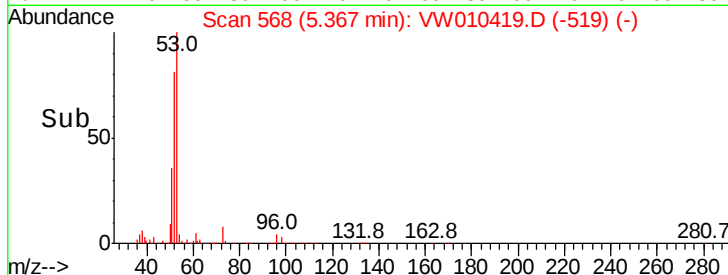
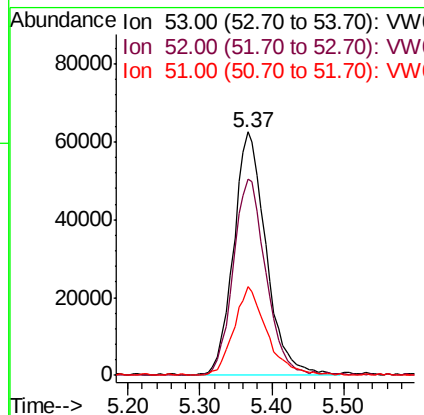
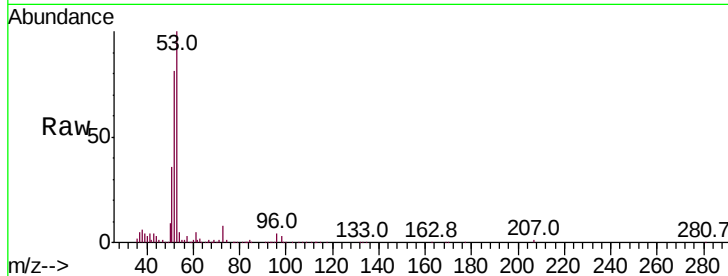
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	195649
Ion	Ratio	Lower	Upper
53	100		
52	81.3	63.9	95.9
51	37.2	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 99.874 ug/l

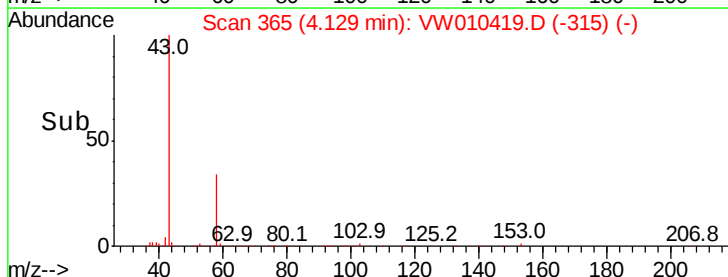
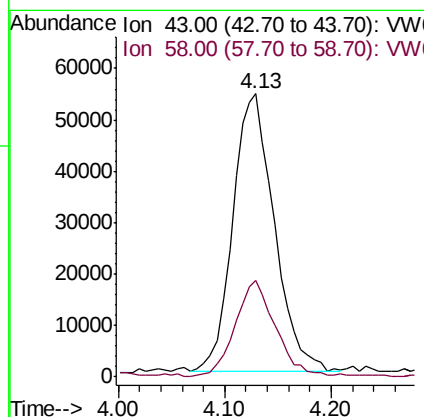
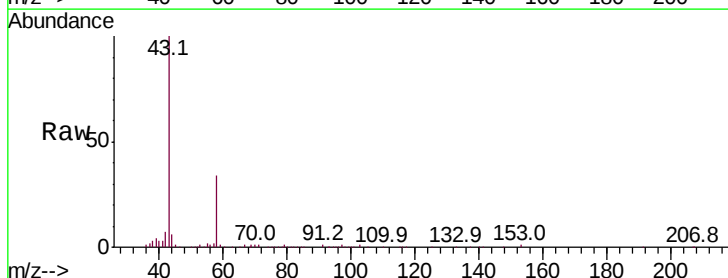
RT: 4.13 min Scan# 365

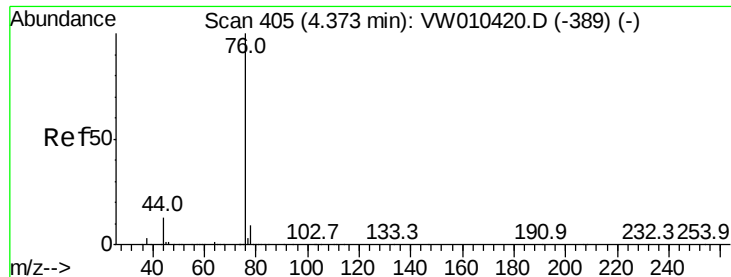
Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	43	Resp:	146328
Ion	Ratio	Lower	Upper
43	100		
58	34.4	26.0	39.0





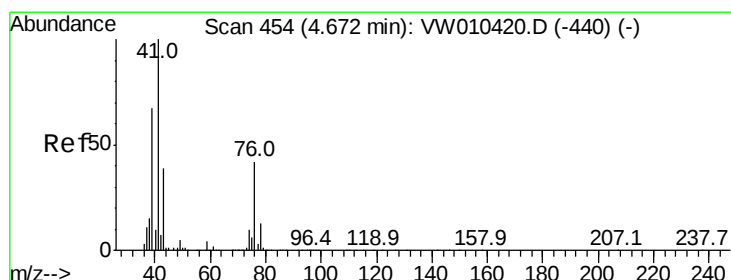
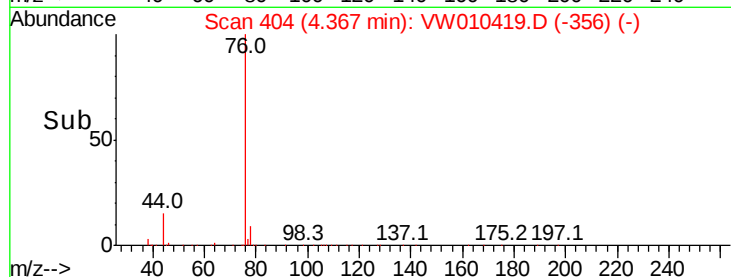
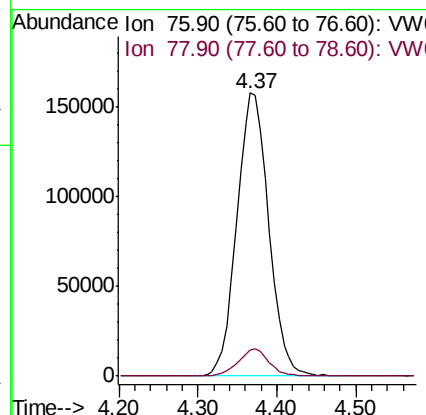
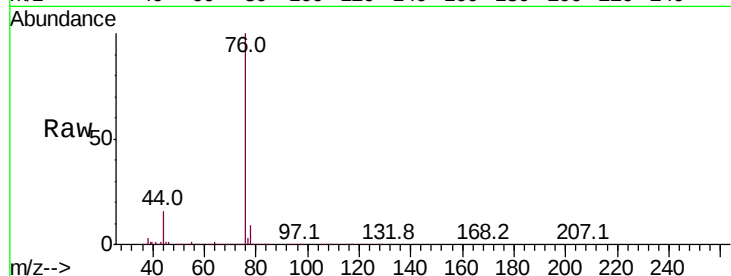
#17
Carbon Disulfide
Concen: 21.183 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

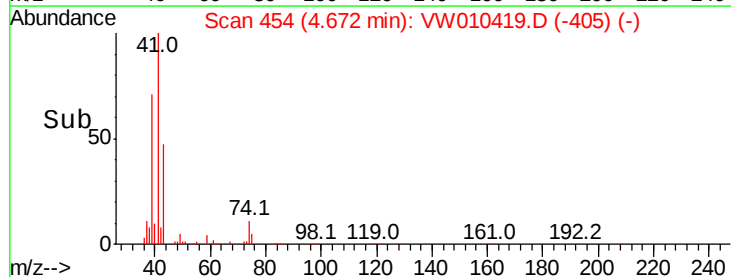
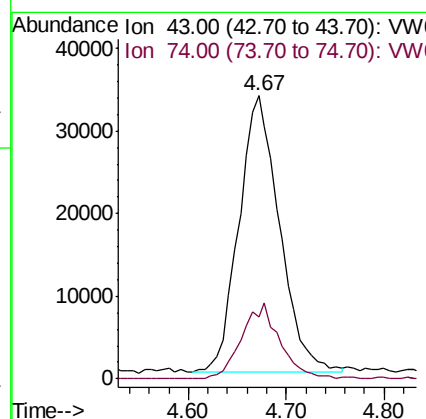
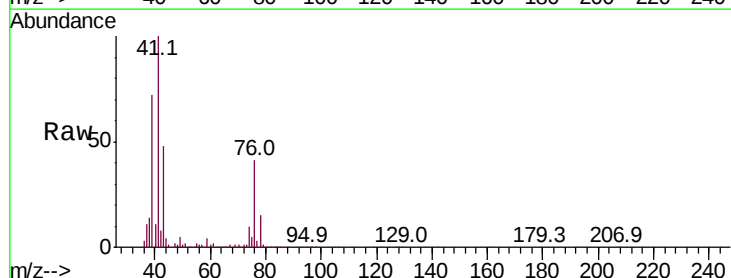
Manual Integrations
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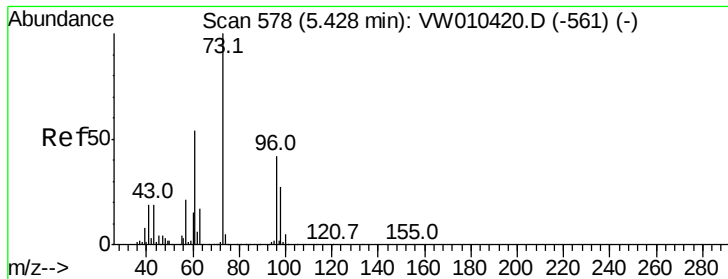
MMDadoda
5/20/2019 12:16:01 PM



#18
Methyl Acetate
Concen: 20.708 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	21.2	31.8





#19

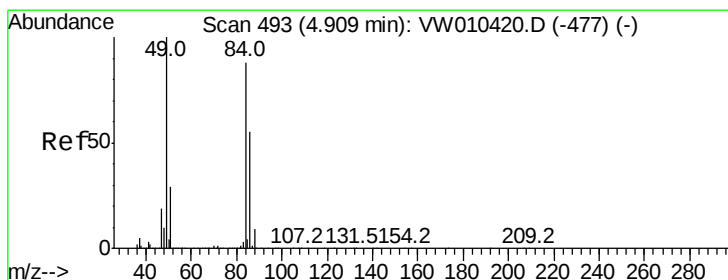
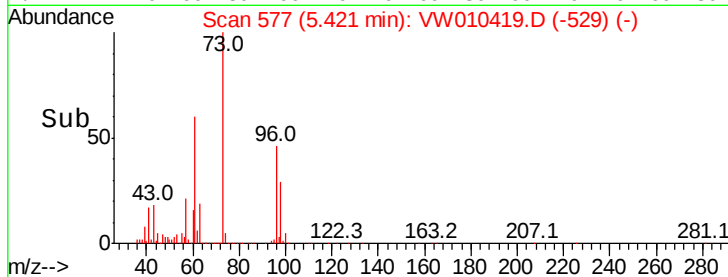
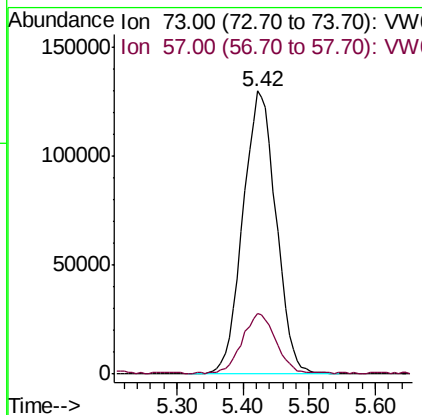
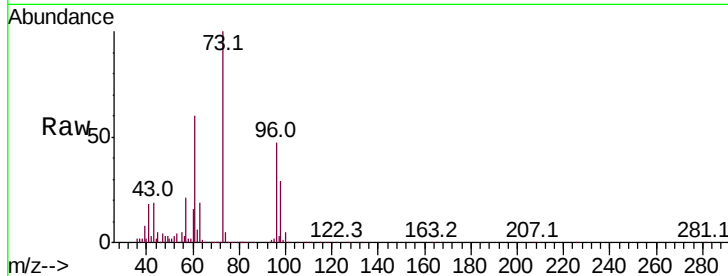
Methyl tert-butyl Ether
 Concen: 35.824 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.0	25.4

Manual Integrations
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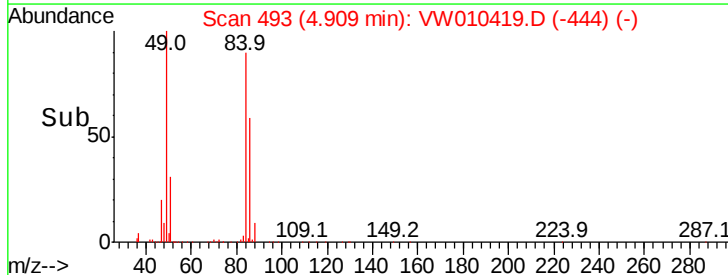
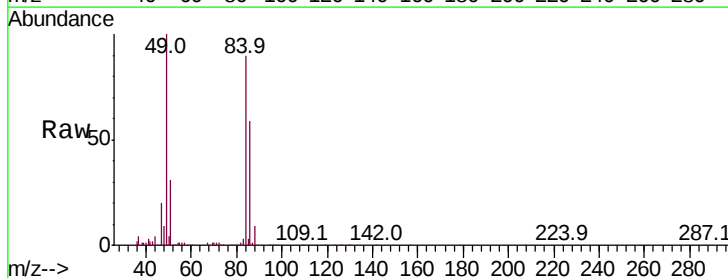
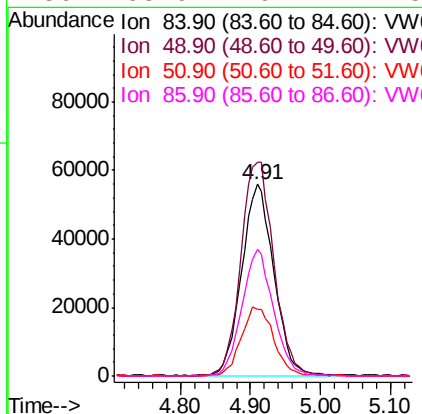
MMDadoda
 5/20/2019 12:16:01 PM

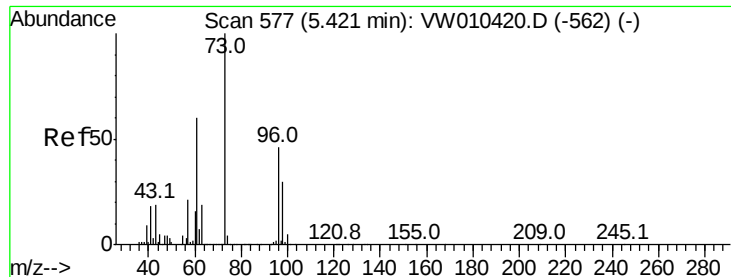


#20

Methylene Chloride
 Concen: 20.809 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	90.6	135.8
51	34.7	26.6	40.0
86	65.9	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 21.194 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

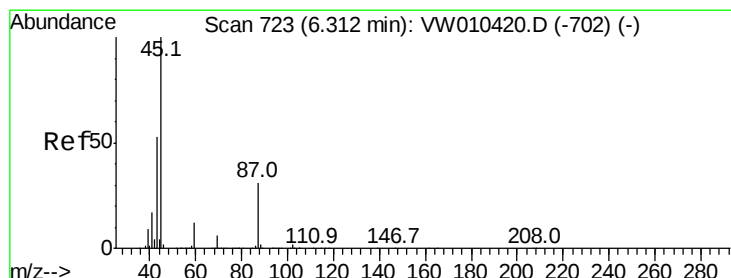
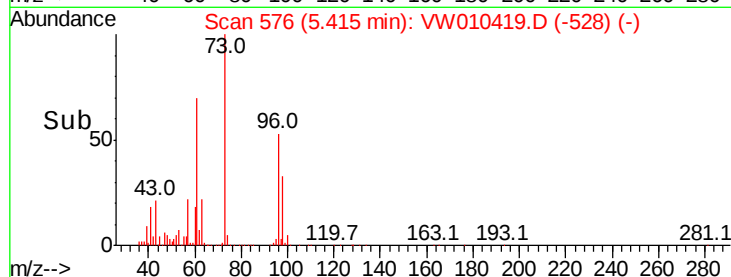
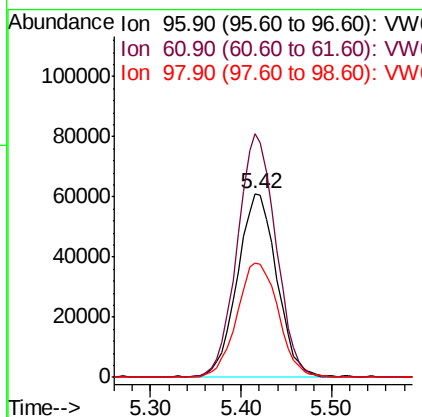
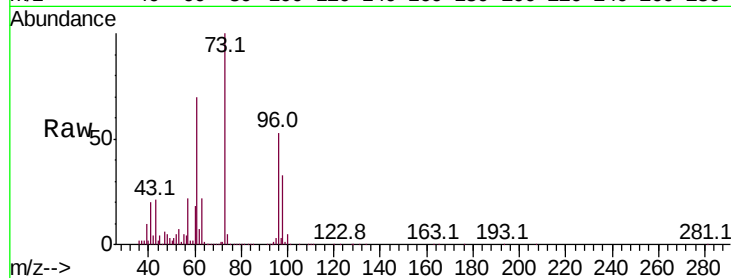
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	182232
Ion	Ratio	Lower	Upper
96	100		
61	132.7	103.9	155.9
98	62.3	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.615 ug/l

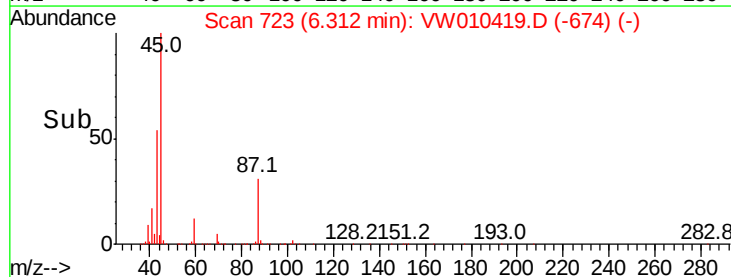
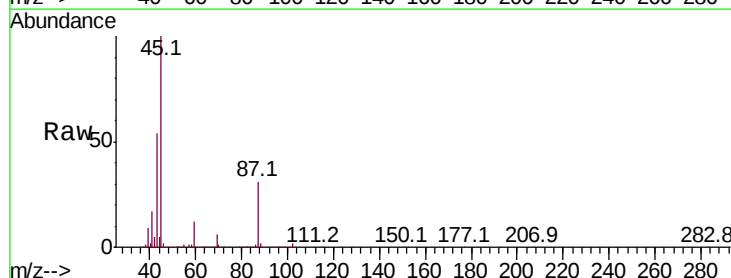
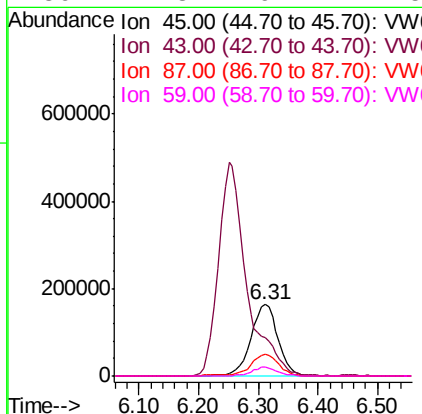
RT: 6.31 min Scan# 723

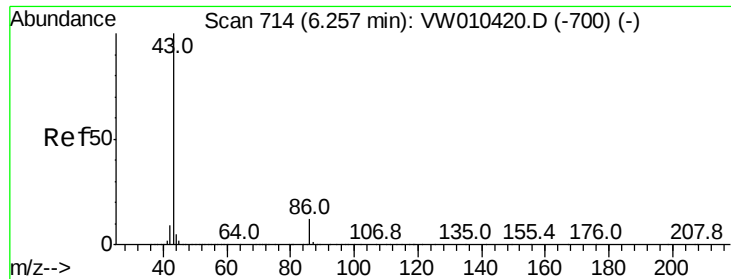
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	45	Resp:	515545
Ion	Ratio	Lower	Upper
45	100		
43	53.8	42.0	63.0
87	30.8	25.0	37.6
59	11.8	9.7	14.5





#23

Vinyl Acetate

Concen: 98.422 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 1598060

Ion Ratio Lower Upper

43 100

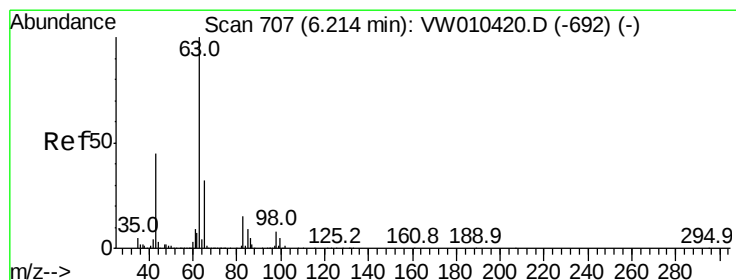
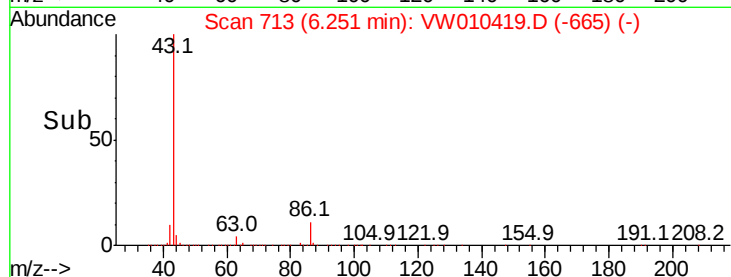
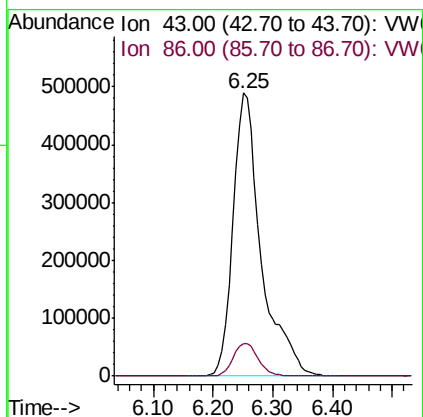
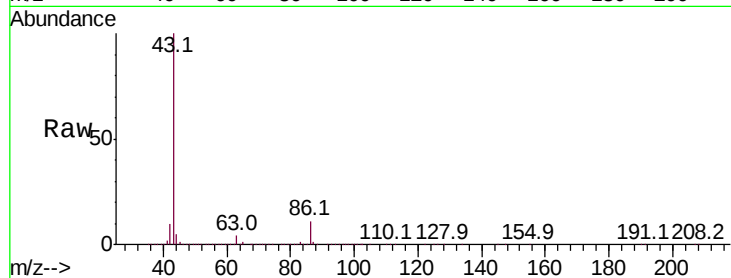
86 11.4 9.7 14.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.862 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

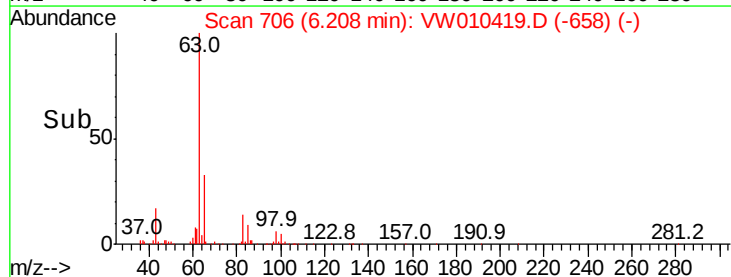
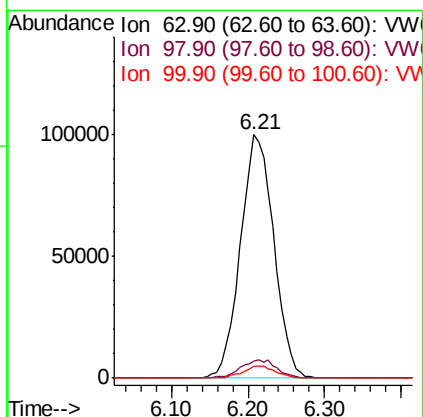
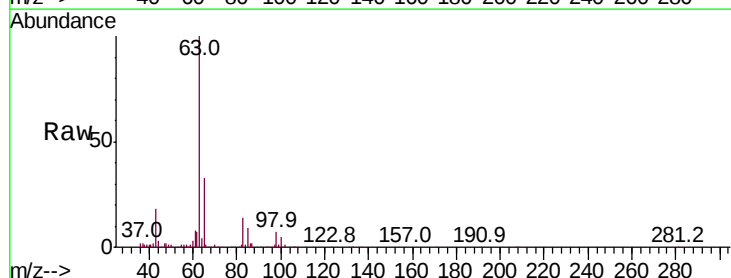
Tgt Ion: 63 Resp: 303440

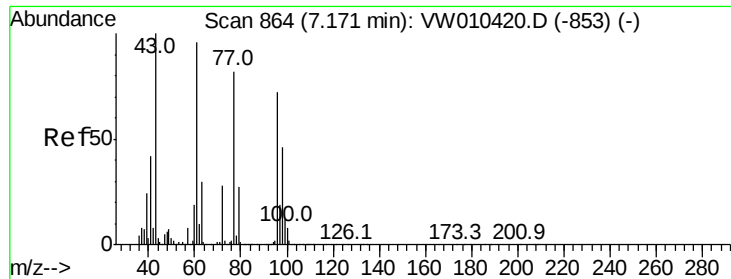
Ion Ratio Lower Upper

63 100

98 6.7 4.0 12.0

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 94.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 260075

Ion Ratio Lower Upper

43 100

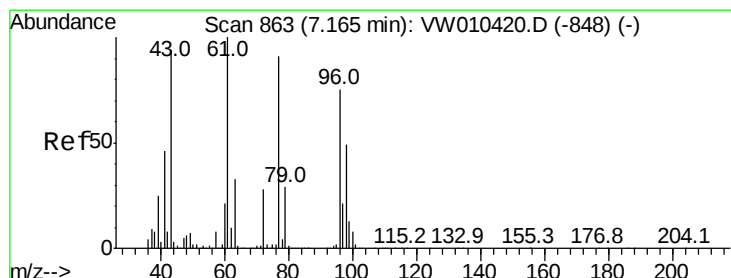
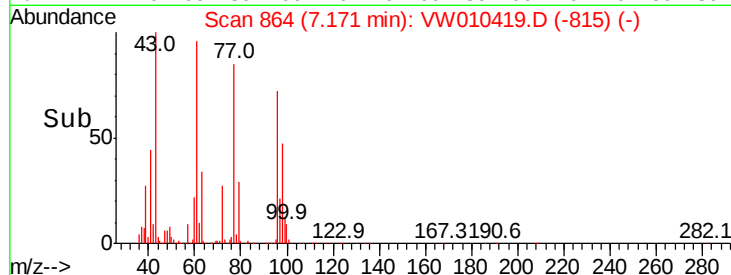
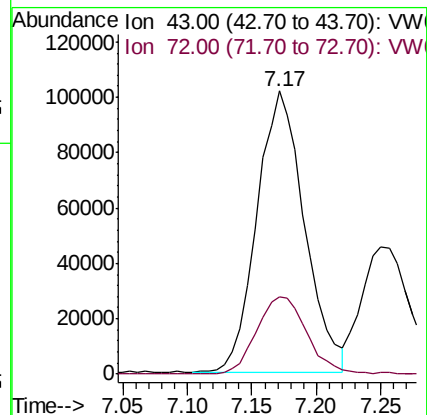
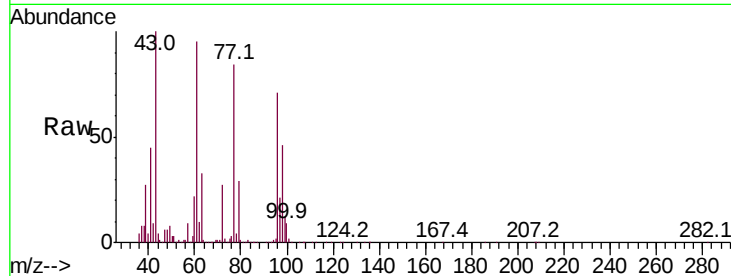
72 27.3 22.6 33.8

Manual Integrations

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5/20/2019 12:16:01 PM



#26

2,2-Dichloropropane

Concen: 33.074 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010419.D

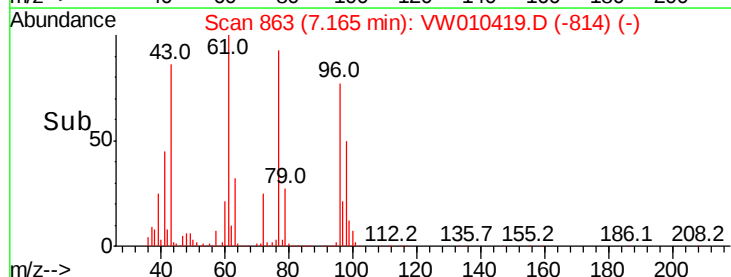
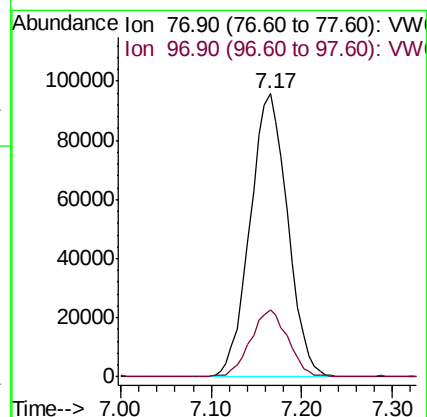
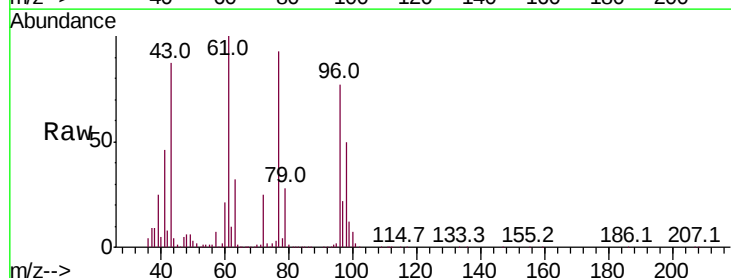
Acq: 17 May 2019 17:58

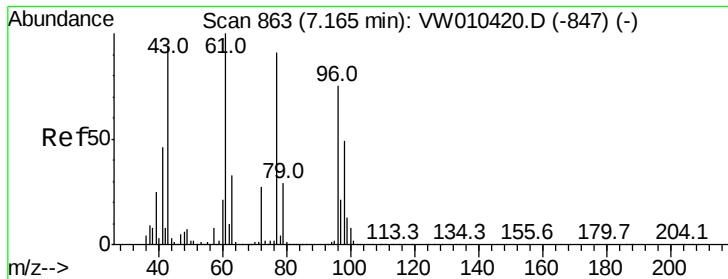
Tgt Ion: 77 Resp: 273821

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

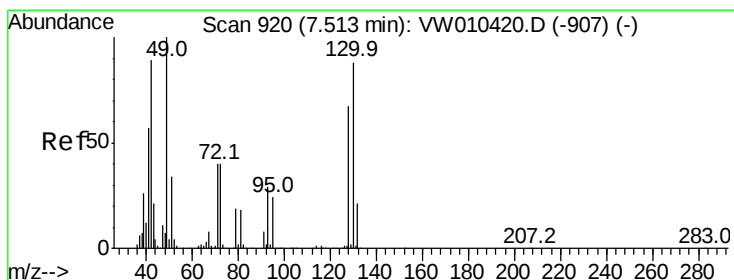
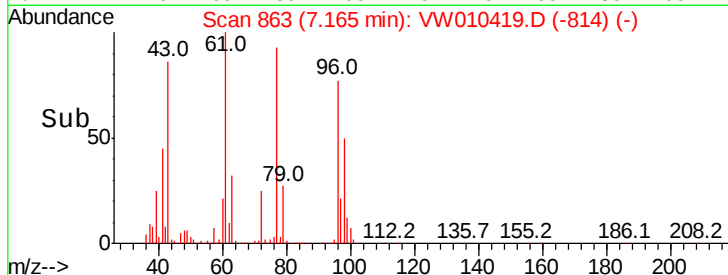
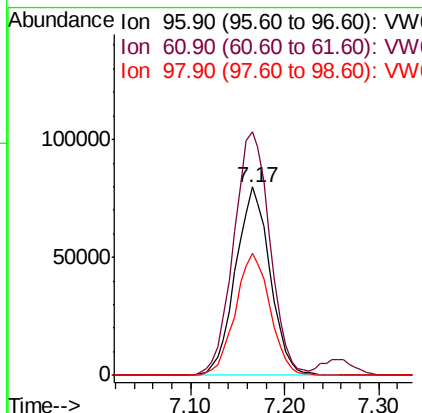
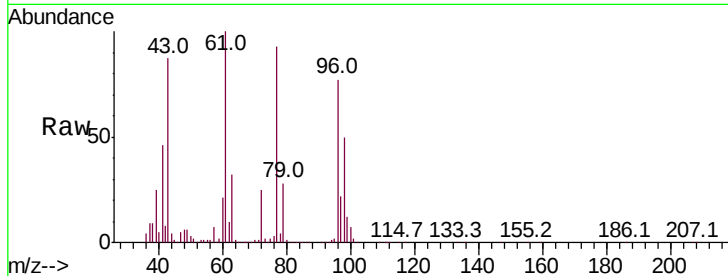
cis-1,2-Dichloroethene
Concen: 20.542 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.6	0.0	266.4	
98	65.5	0.0	129.6	

Manual Integrations
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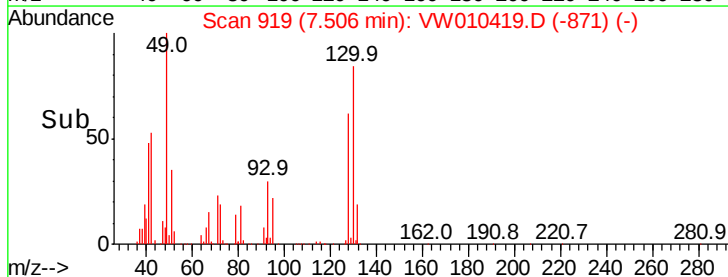
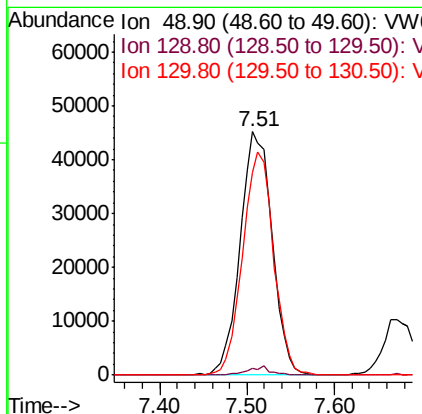
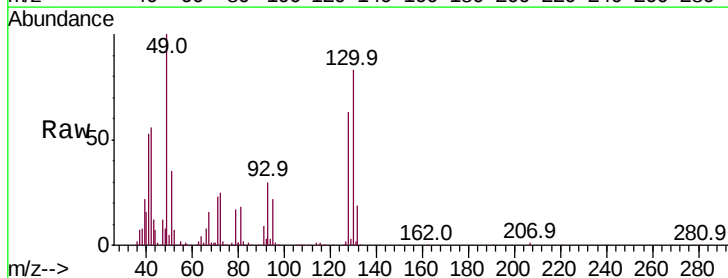
MMDadoda
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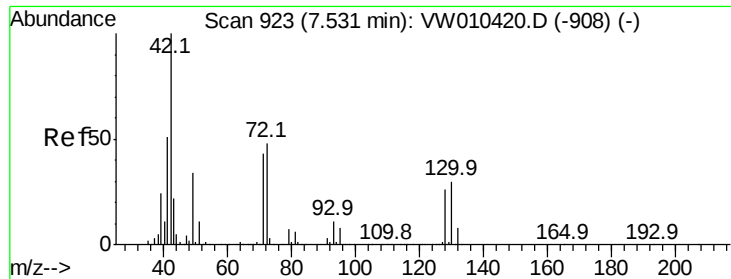


#28

Bromochloromethane
Concen: 19.132 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.6	
130	87.9	68.2	102.4	





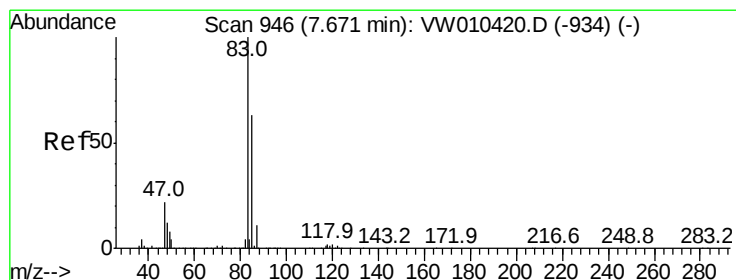
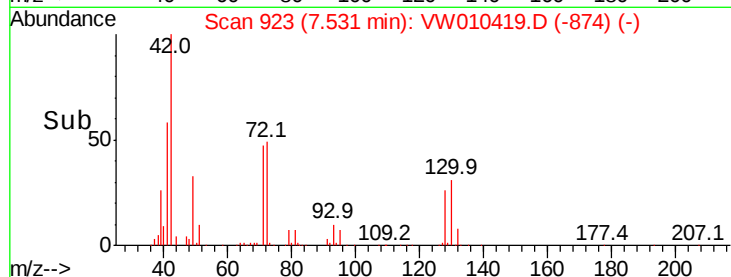
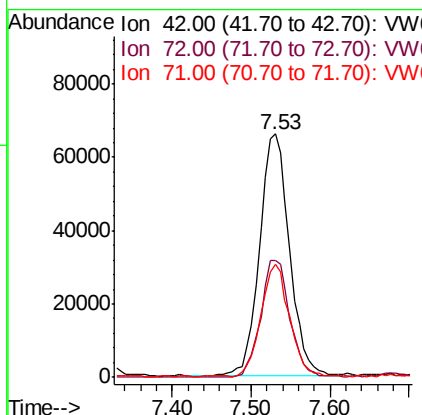
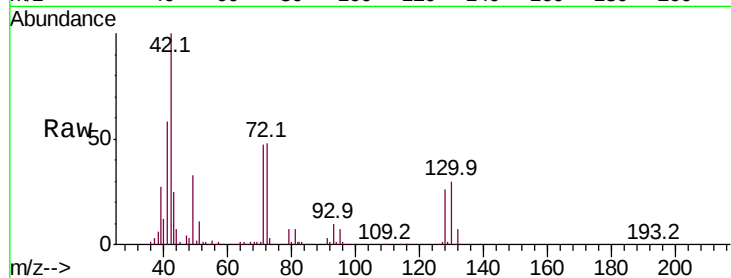
#29
Tetrahydrofuran
Concen: 94.464 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	38.2	57.2
71	44.8	36.0	54.0

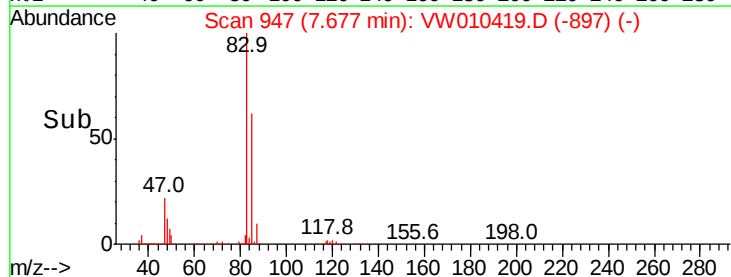
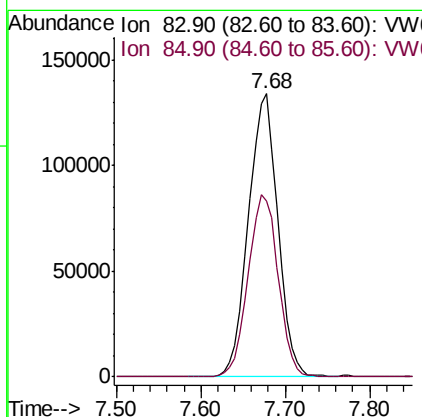
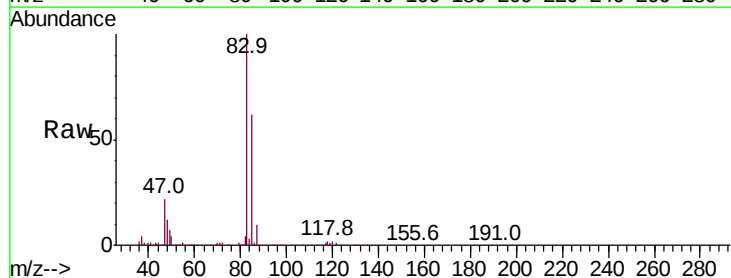
Manual Integrations
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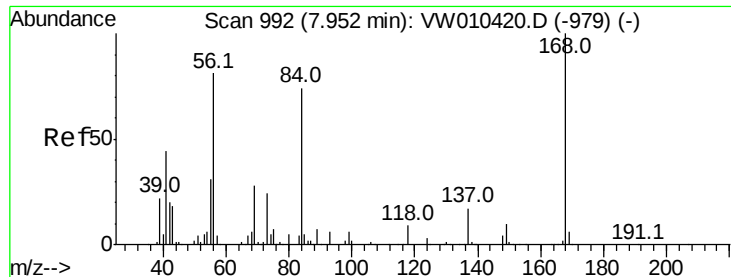
MMDadoda
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#30
Chloroform
Concen: 20.714 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.8	76.2





#31

Cyclohexane

Concen: 21.111 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 298623

Ion Ratio Lower Upper

56 100

69 41.3 27.6 41.4

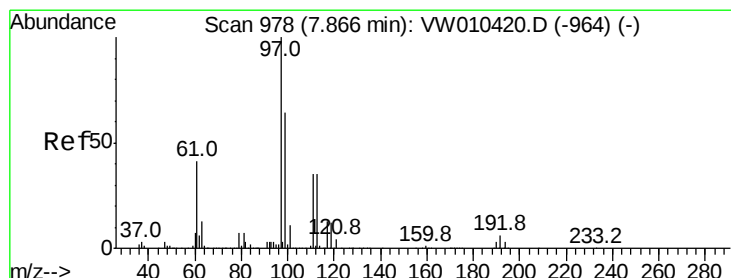
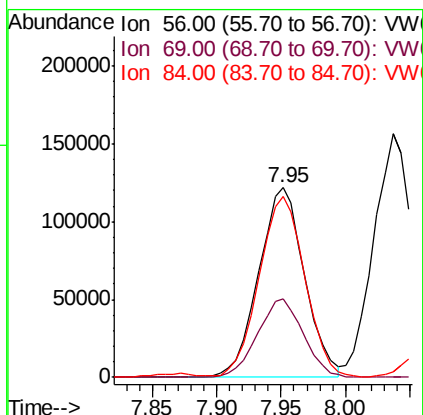
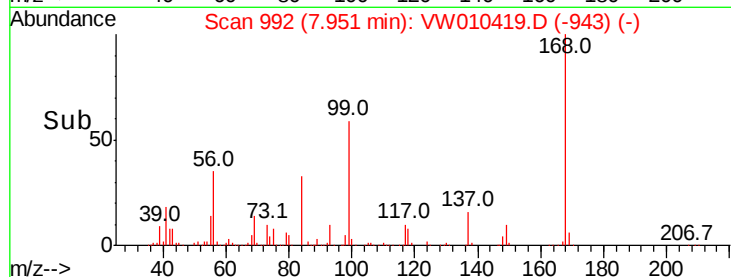
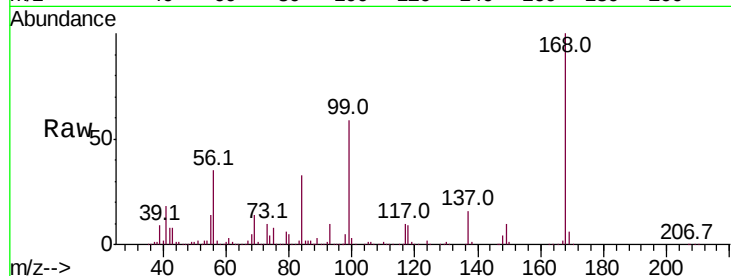
84 94.4 72.9 109.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 24.181 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

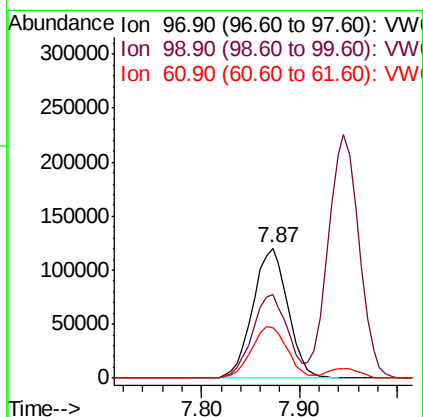
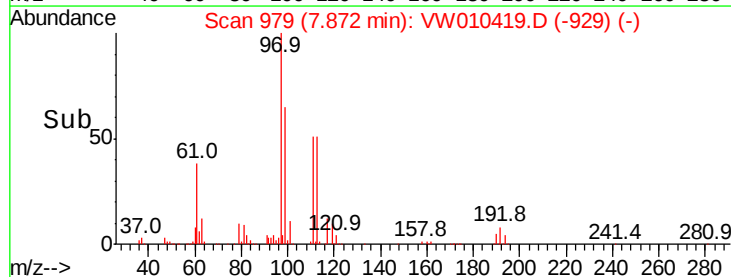
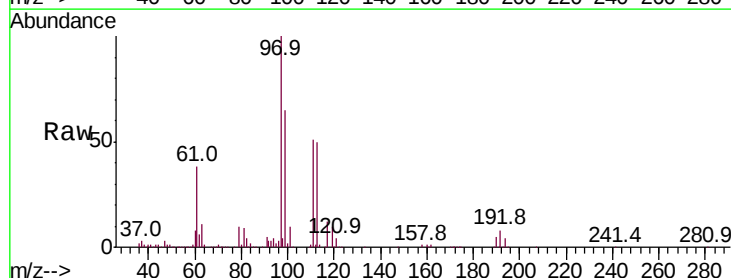
Tgt Ion: 97 Resp: 297964

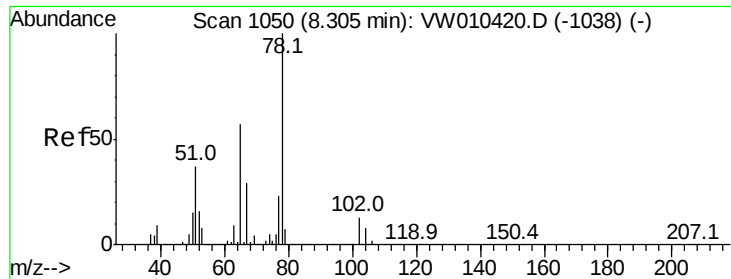
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 40.7 32.0 48.0





#33

1,2-Dichloroethane-d4

Concen: 22.362 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 182733

Ion Ratio Lower Upper

65 100

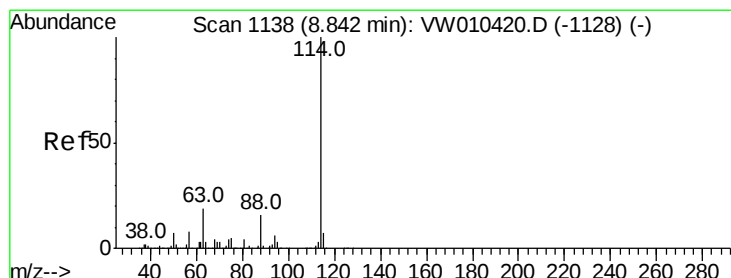
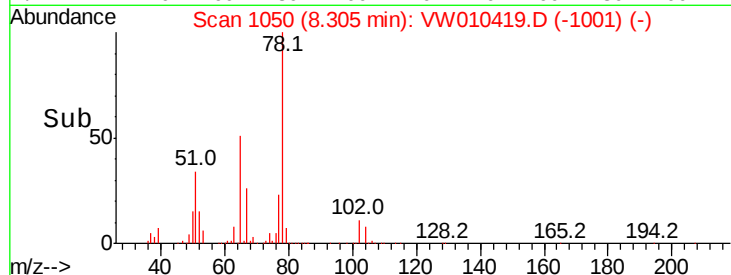
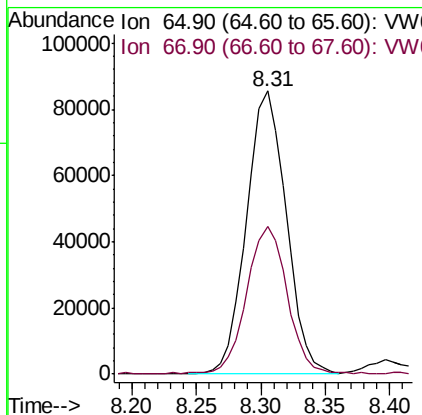
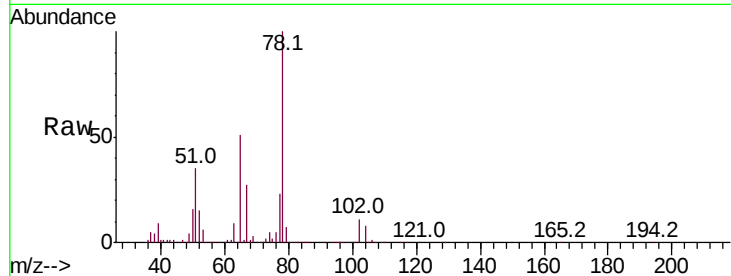
67 52.2 0.0 104.2

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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: VW010419.D

Acq: 17 May 2019 17:58

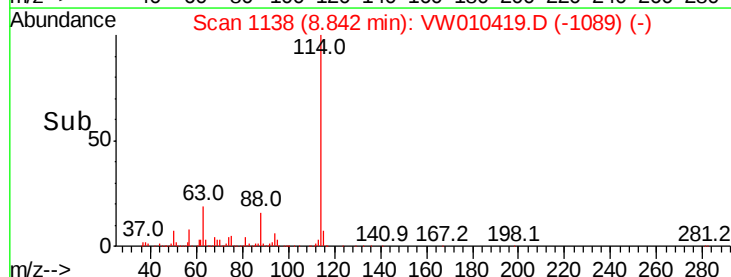
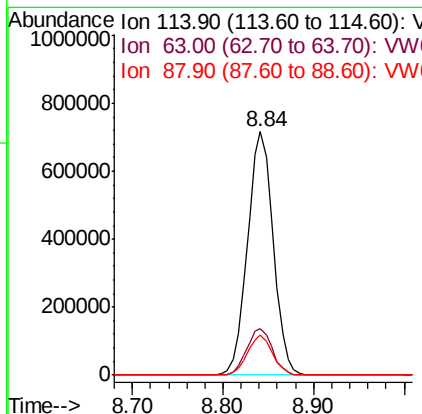
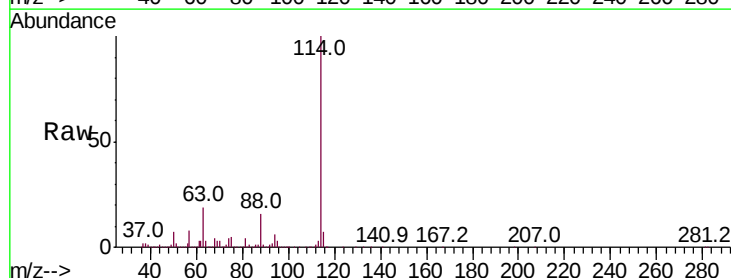
Tgt Ion: 114 Resp: 1402741

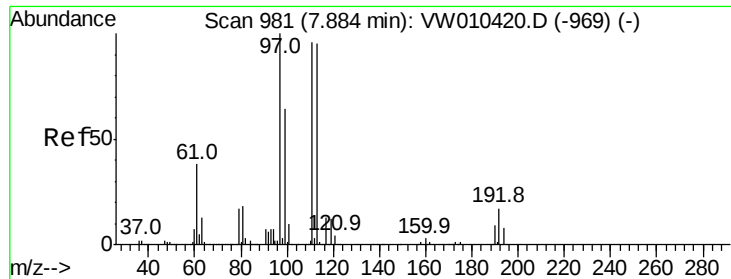
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 16.4 0.0 31.6





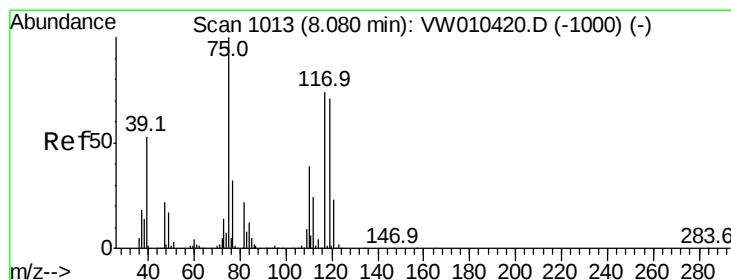
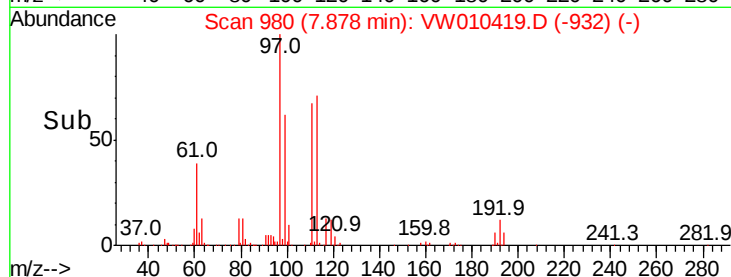
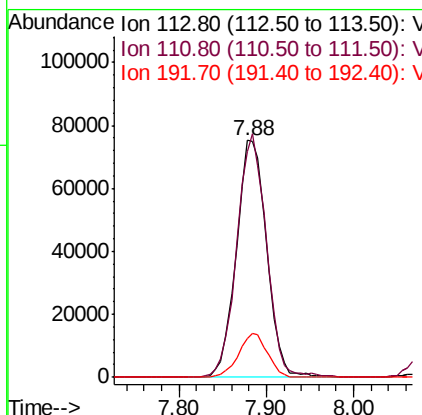
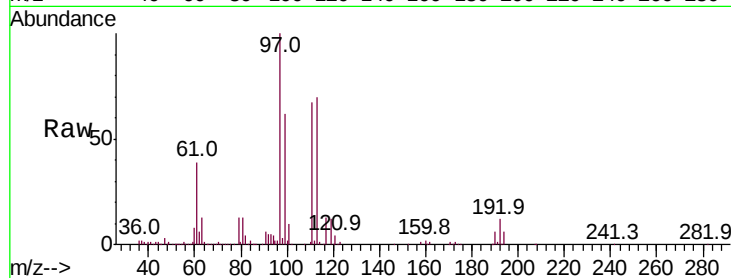
#35
 Dibromofluoromethane
 Concen: 21.681 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181172		
111	100.5	82.5	123.7	
192	17.7	14.2	21.4	

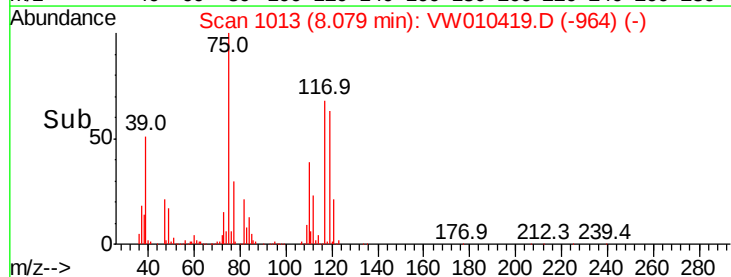
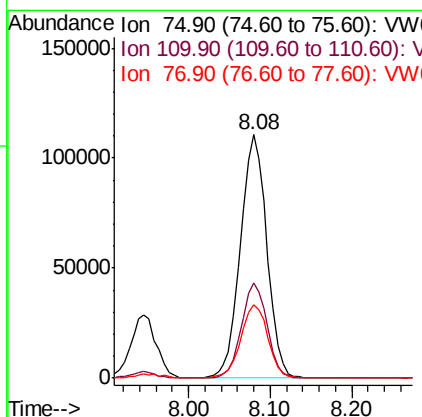
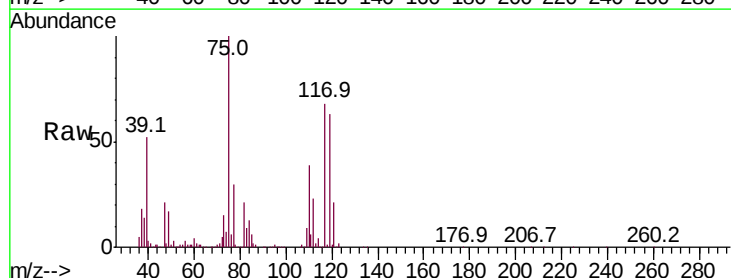
Manual Integrations
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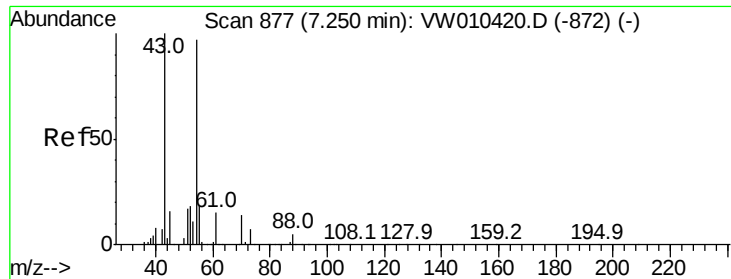
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.598 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248621		
110	37.9	19.4	58.1	
77	30.5	24.7	37.1	





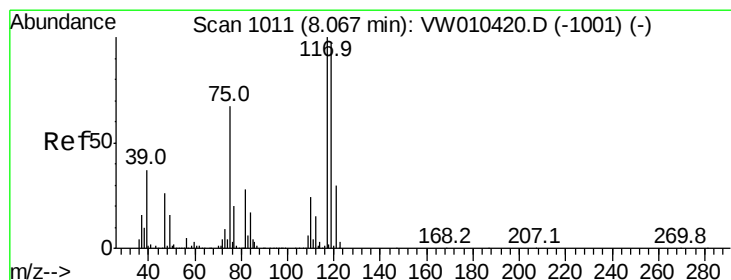
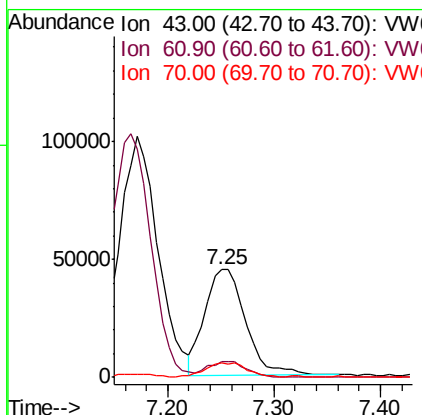
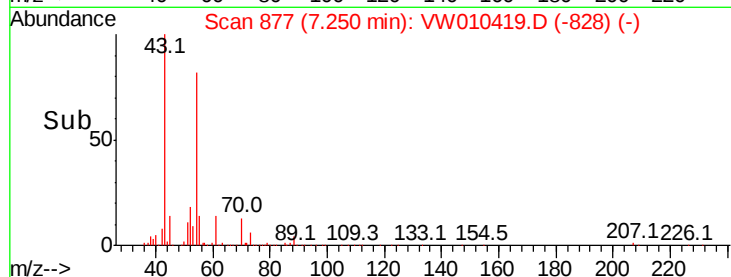
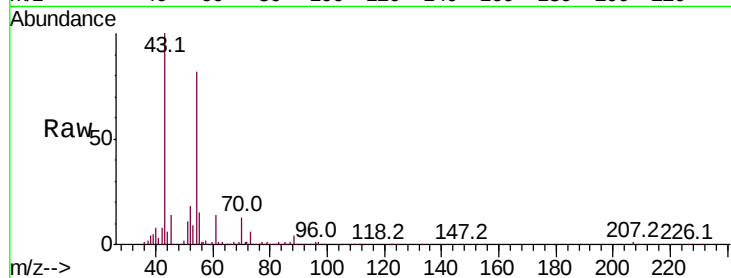
#37
Ethyl Acetate
Concen: 19.696 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	13.2	9.4	14.0

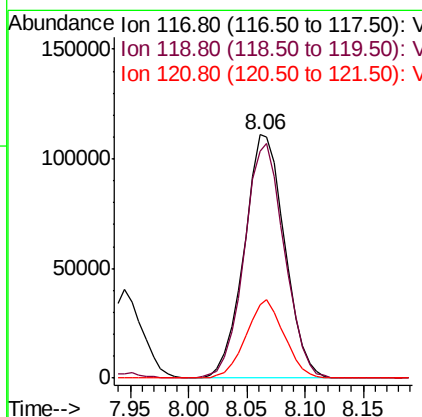
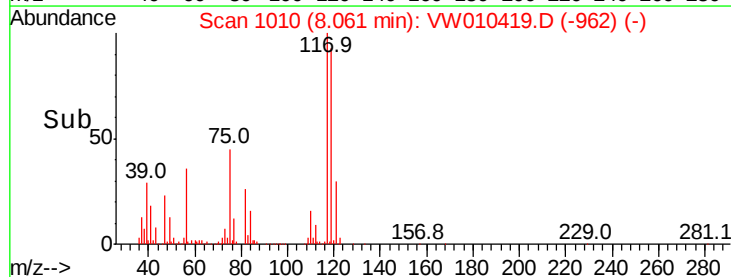
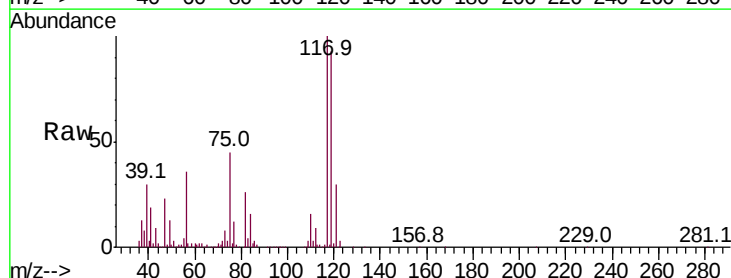
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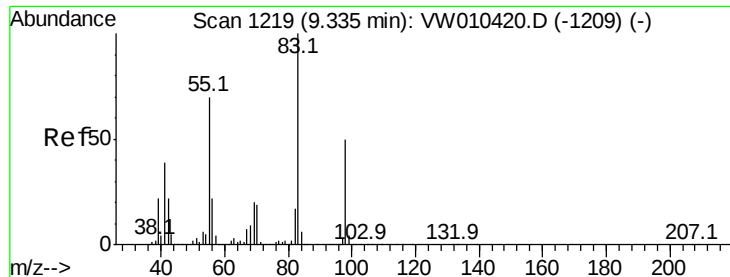
MMDadoda
5/20/2019 12:16:01 PM



#38
Carbon Tetrachloride
Concen: 21.544 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.6
121	30.2	24.2	36.2





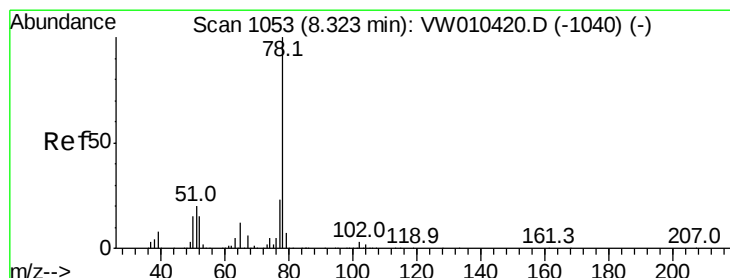
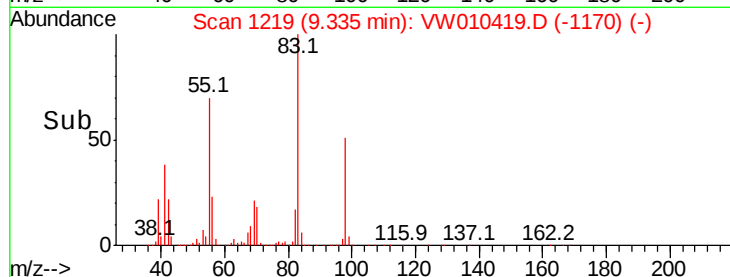
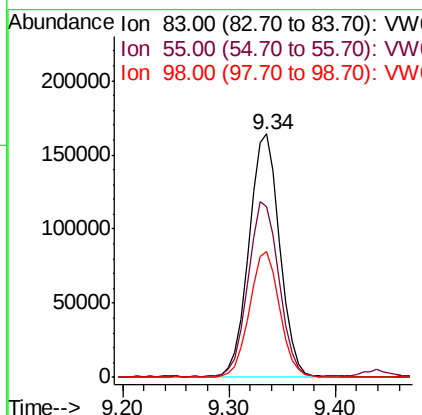
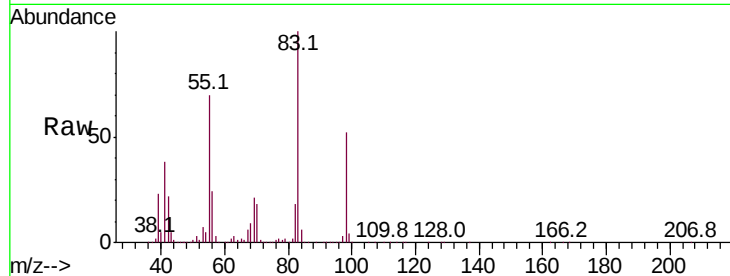
#39
Methvlcvclohexane
Concen: 20.791 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	55.7	83.5
98	51.5	40.2	60.4

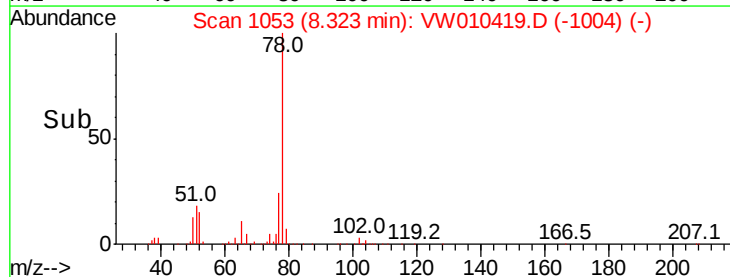
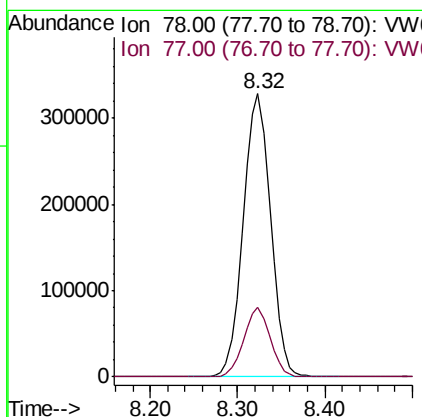
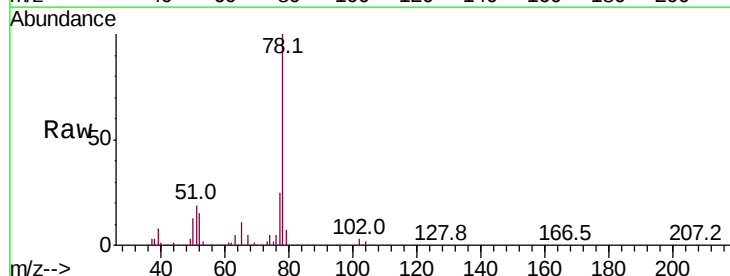
Manual Integrations
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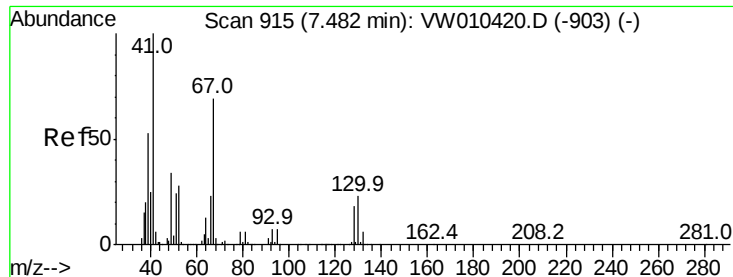
MMDadoda
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#40
Benzene
Concen: 20.344 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.7	28.1





#41

Methacrylonitrile

Concen: 18.335 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

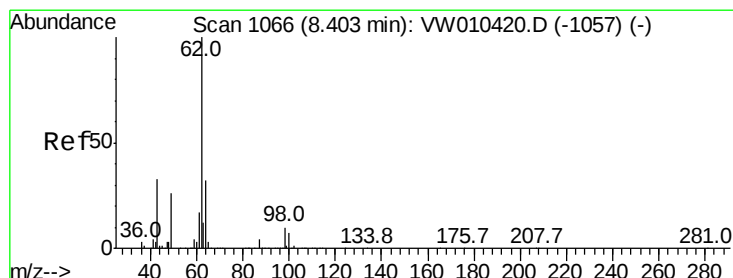
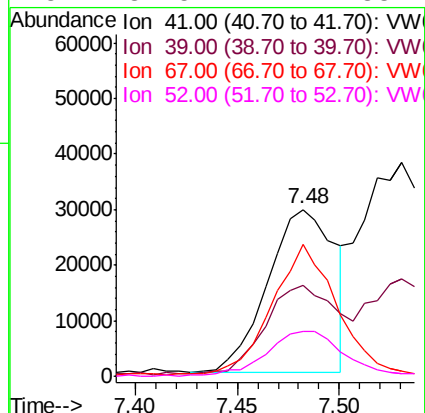
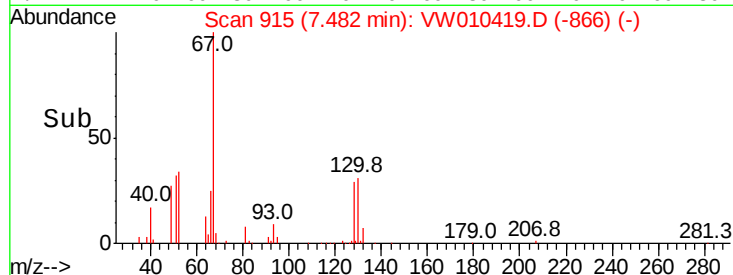
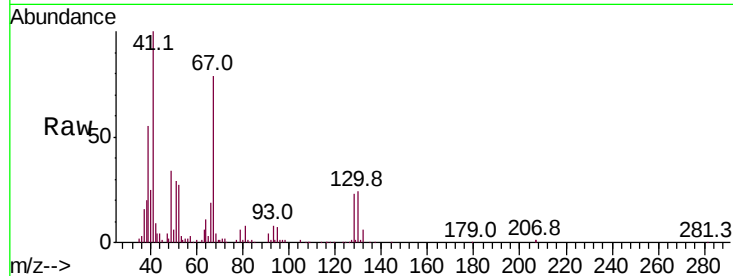
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.9	38.1	57.1#
67	76.5	55.5	83.3
52	31.5	22.1	33.1

Manual Integrations
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5/20/2019 12:16:01 PM



#42

1,2-Dichloroethane

Concen: 20.908 ug/l

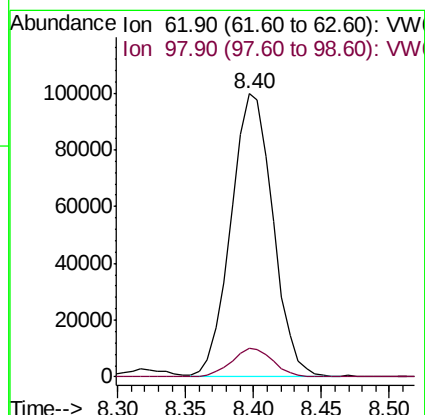
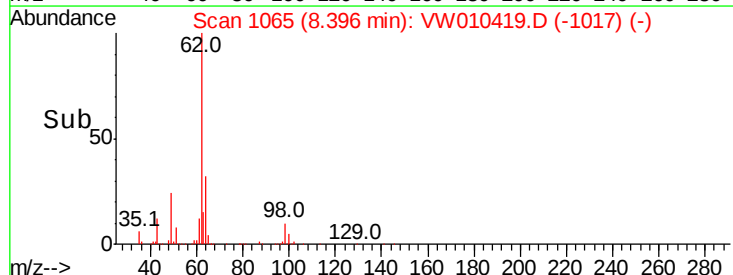
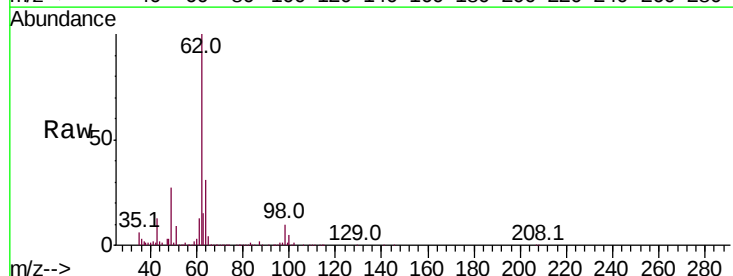
RT: 8.40 min Scan# 1065

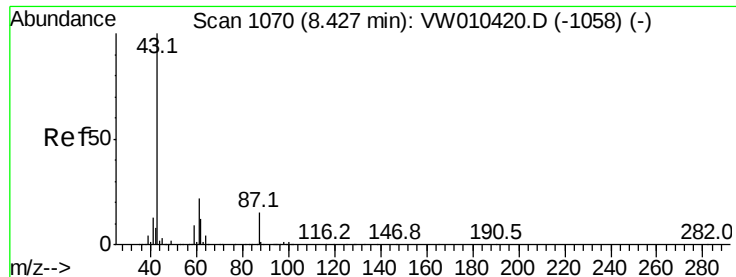
Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.996 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

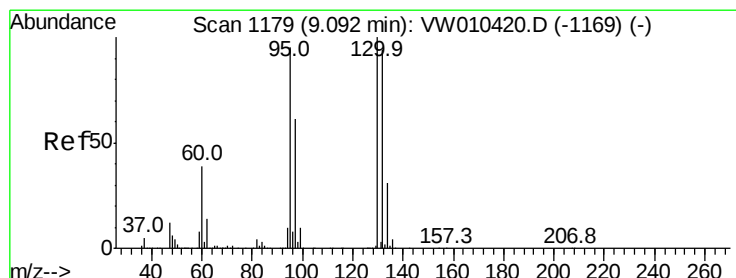
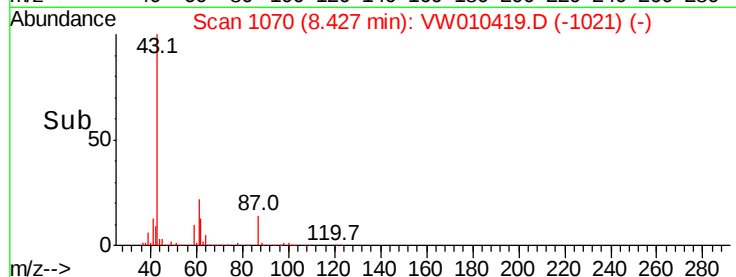
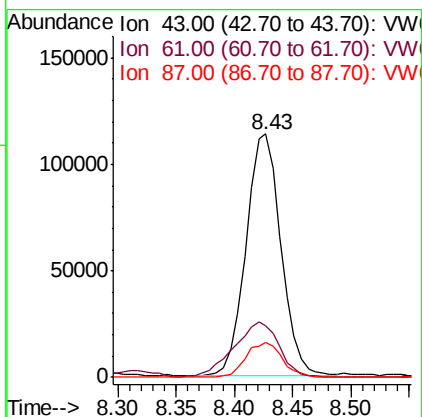
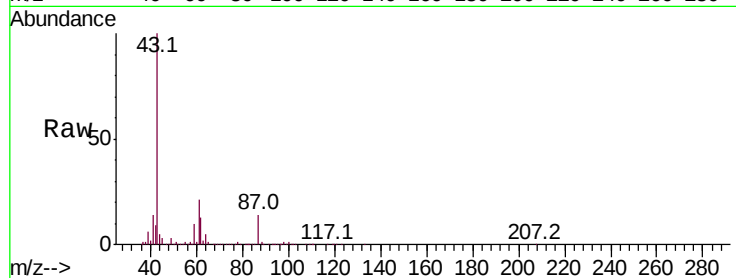
ClientSampleId :

VSTDIC020

Tot Ion	43	Resp	236854
Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.4	36.6
87	15.2	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 20.027 ug/l

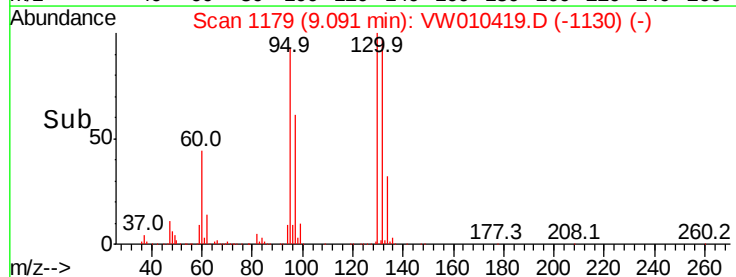
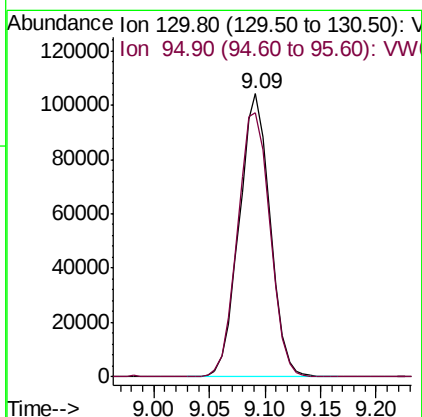
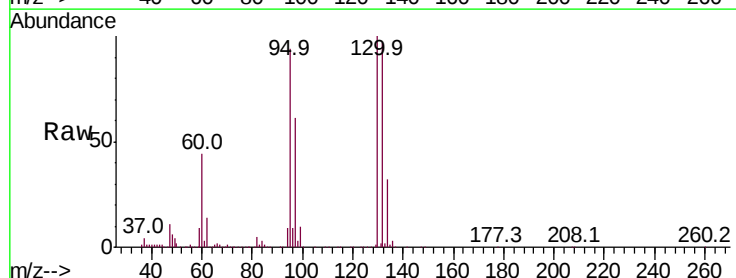
RT: 9.09 min Scan# 1179

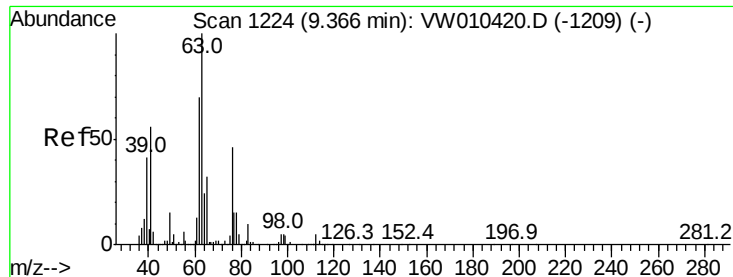
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion	130	Resp	200821
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	190.4





#45

1,2-Dichloropropane

Concen: 20.336 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 177146

Ion Ratio Lower Upper

63 100

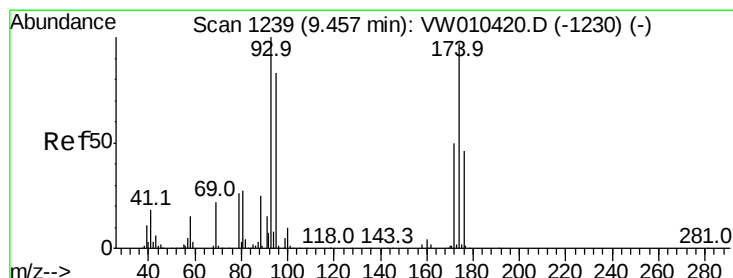
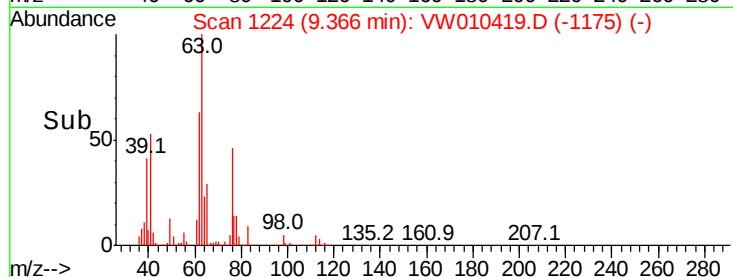
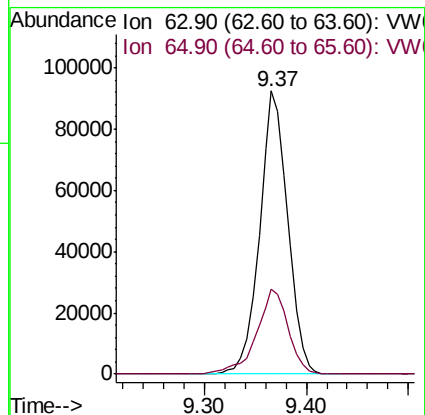
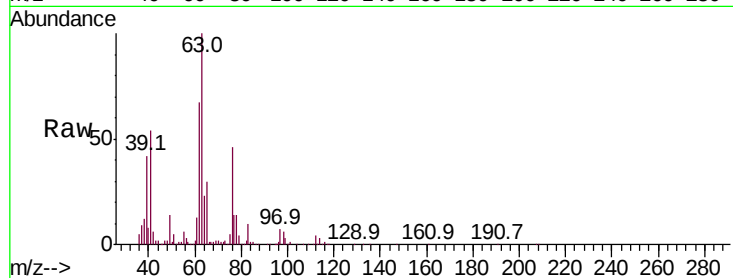
65 29.7 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 20.503 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

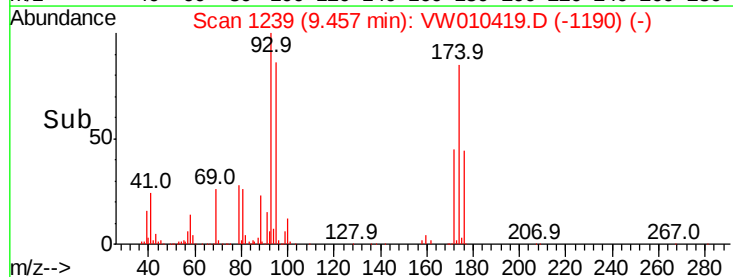
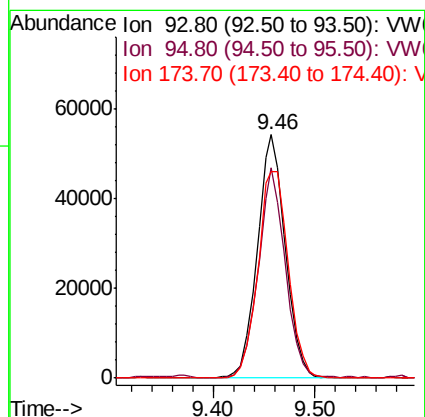
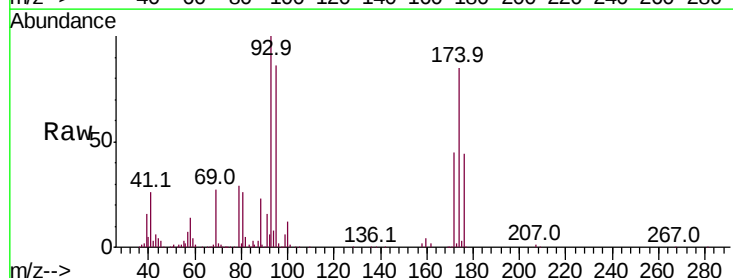
Tgt Ion: 93 Resp: 103993

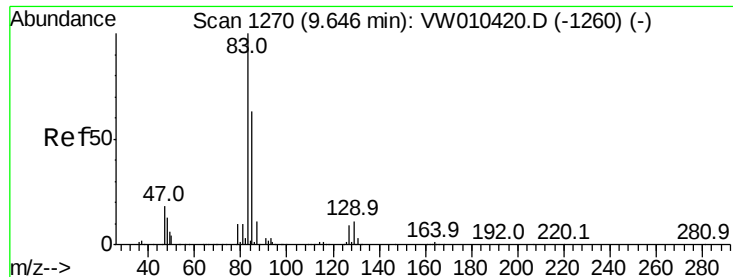
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 92.0 76.4 114.6





#47

Bromodichloromethane

Concen: 20.431 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

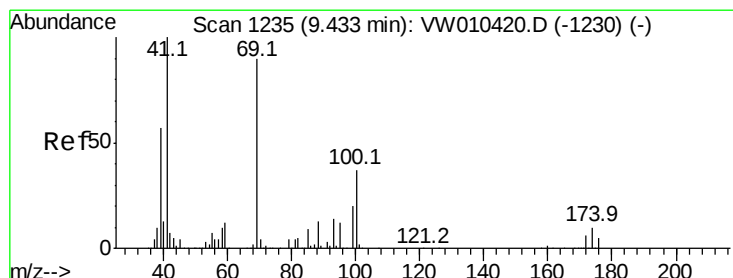
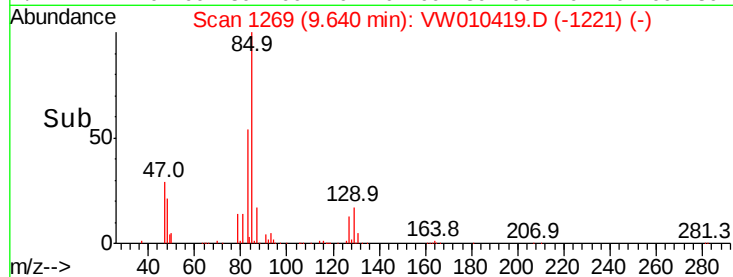
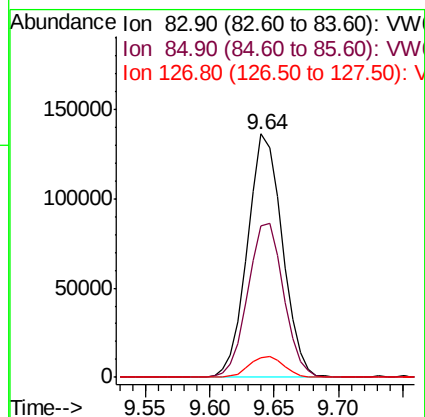
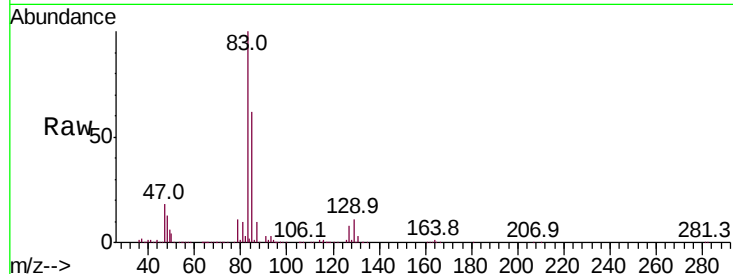
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	254134
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.0	75.0
127	8.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.189 ug/l

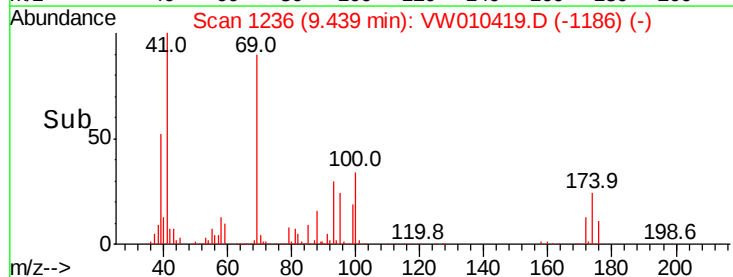
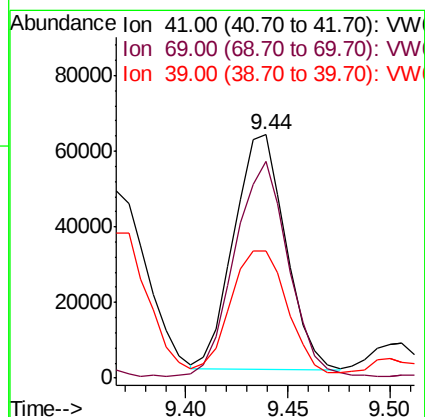
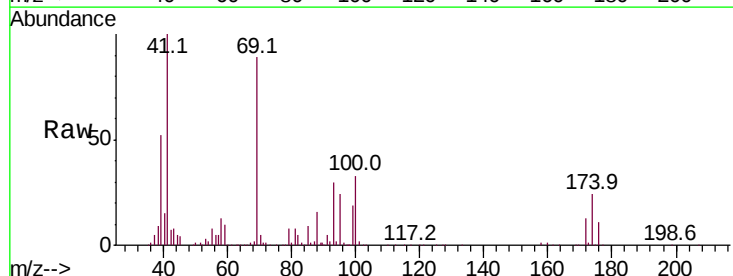
RT: 9.44 min Scan# 1236

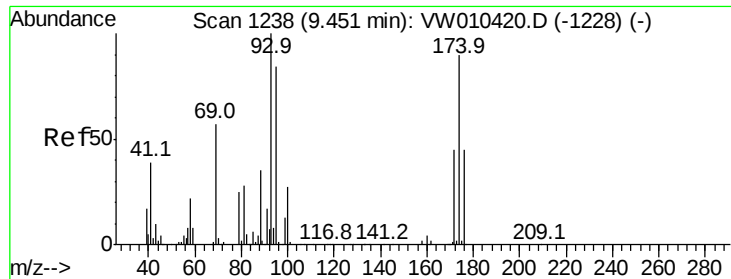
Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	41	Resp:	109972
Ion Ratio	Lower	Upper	
41	100		
69	94.5	75.2	112.8
39	59.9	46.8	70.2





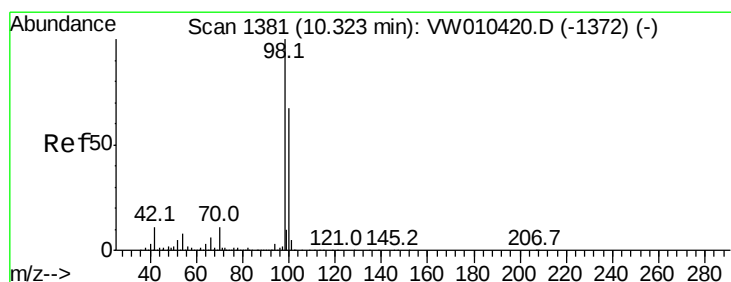
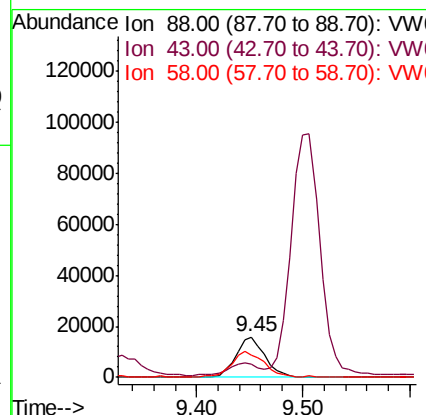
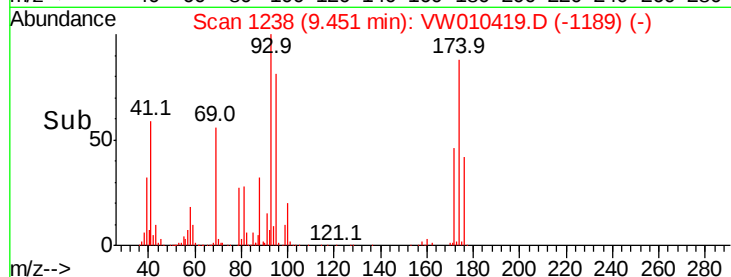
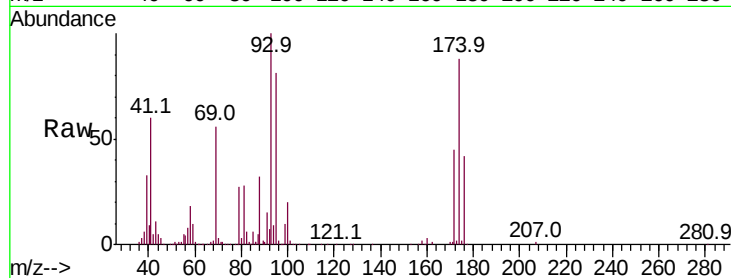
#49
1,4-Dioxane
Concen: 346.352 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.9	37.3
58	72.4	55.0	82.6

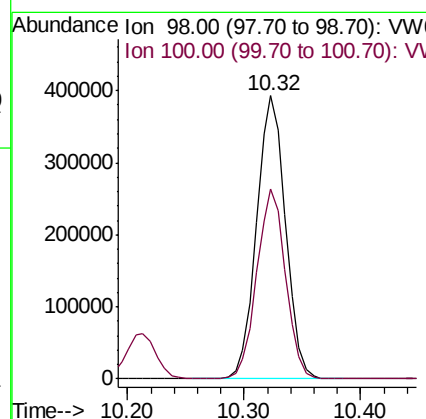
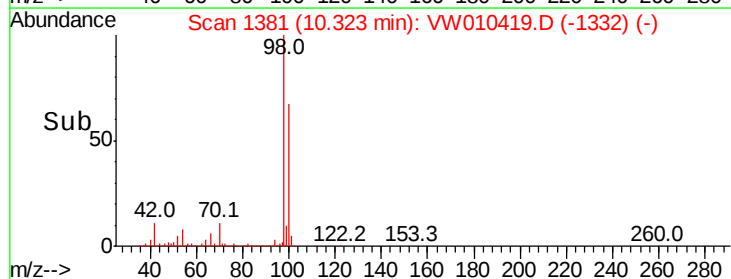
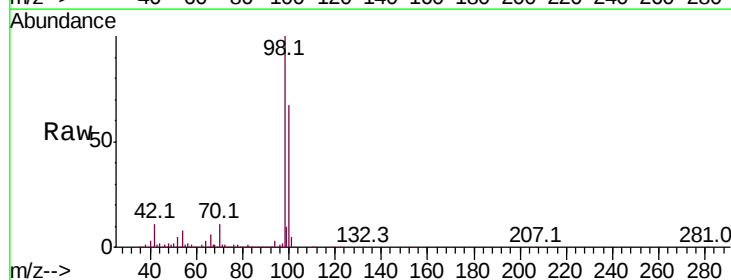
Manual Integrations
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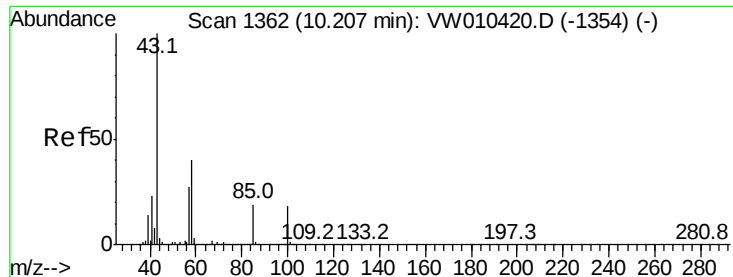
MMDadoda
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#50
Toluene-d8
Concen: 21.504 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 93.221 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 601747

Ion Ratio Lower Upper

43 100

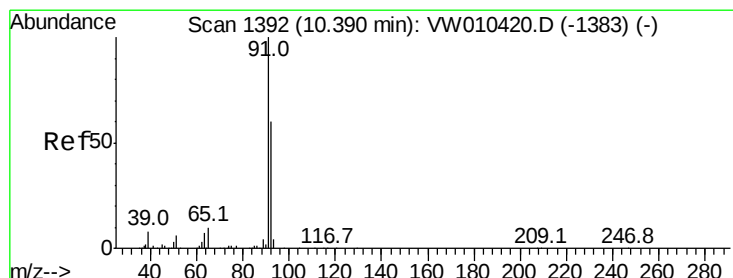
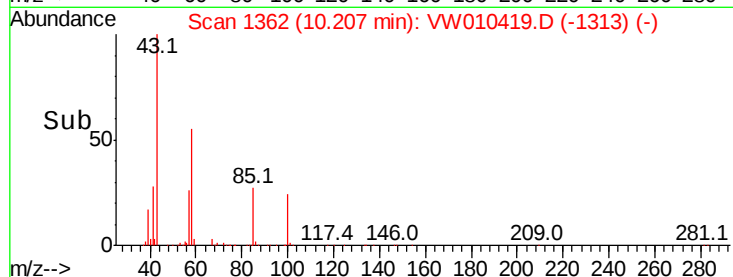
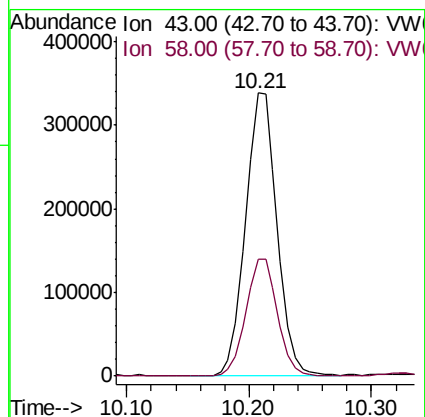
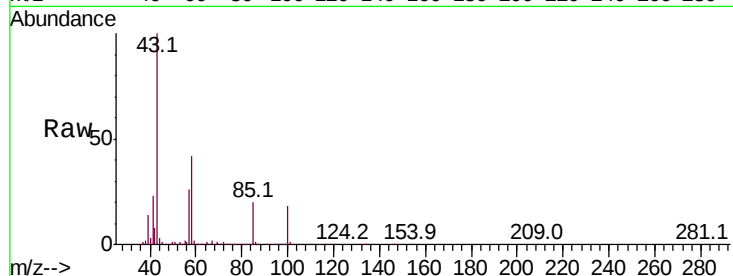
58 41.7 32.7 49.1

Manual Integrations

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#52

Toluene

Concen: 20.231 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010419.D

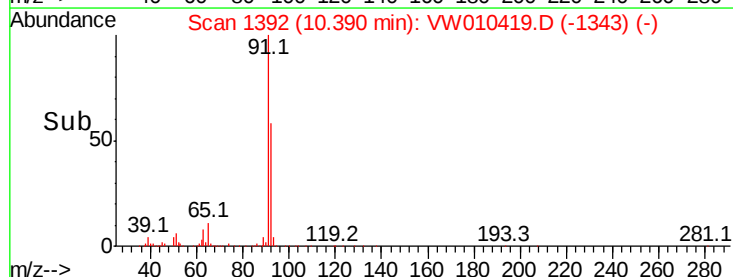
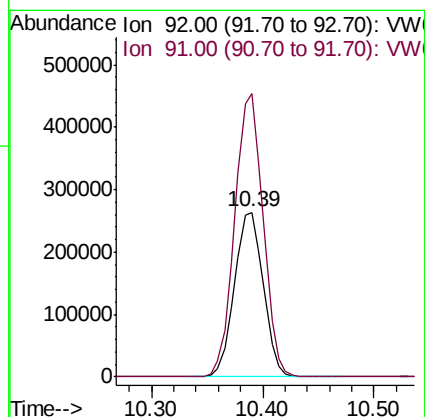
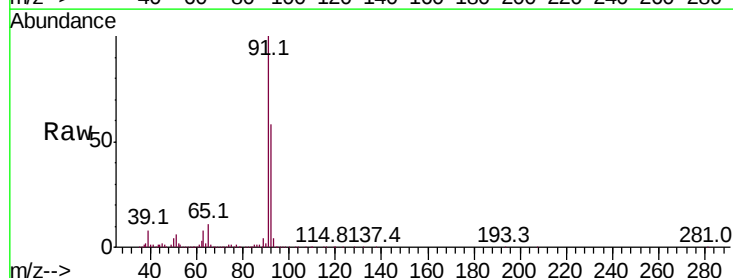
Acq: 17 May 2019 17:58

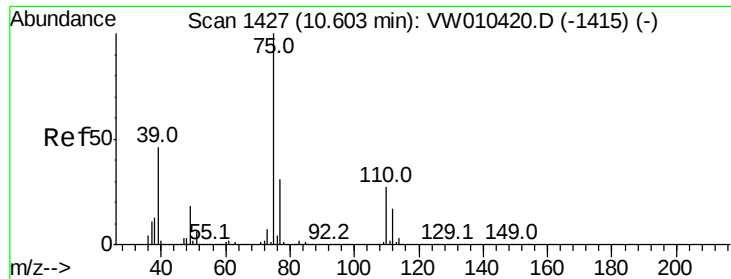
Tgt Ion: 92 Resp: 473393

Ion Ratio Lower Upper

92 100

91 169.0 135.4 203.0





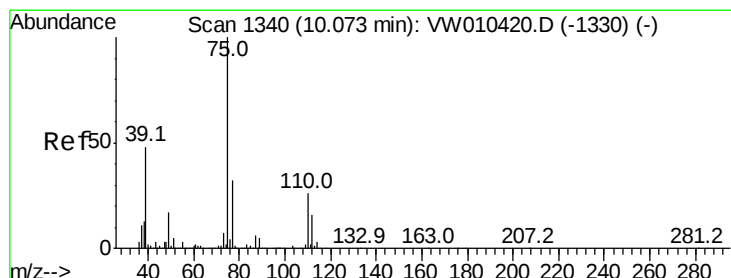
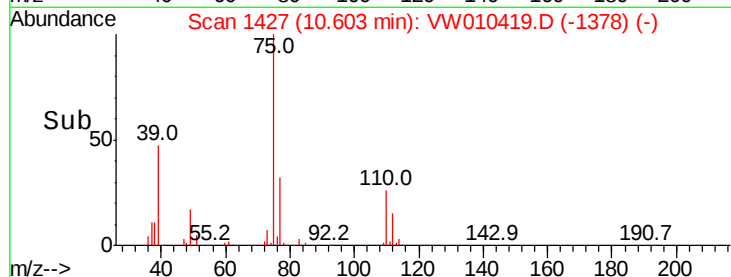
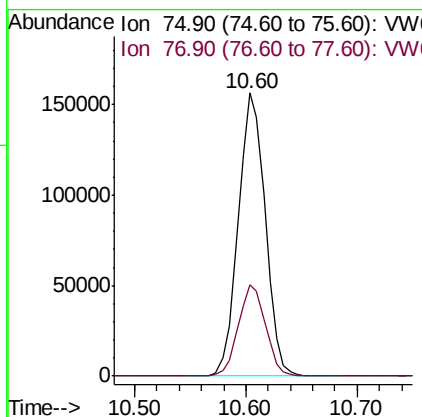
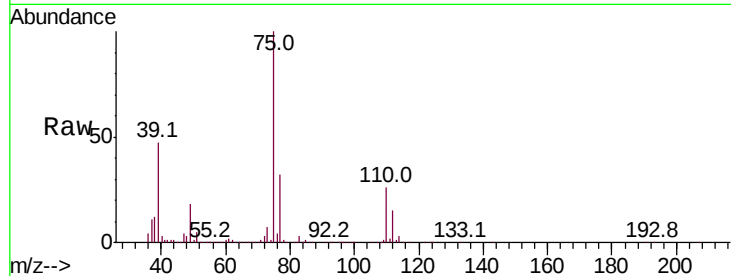
#53
t-1,3-Dichloropropene
Concen: 20.030 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 262439
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0

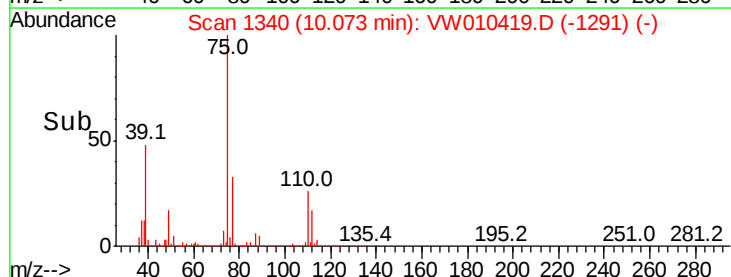
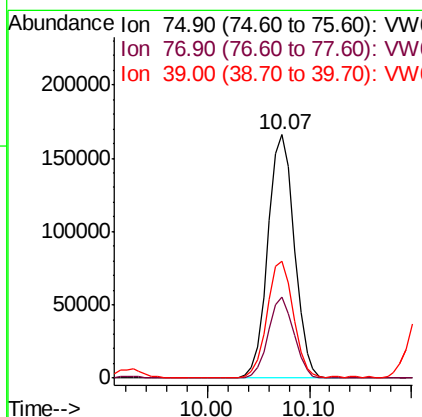
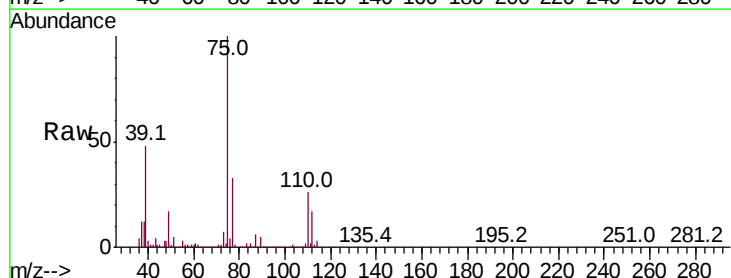
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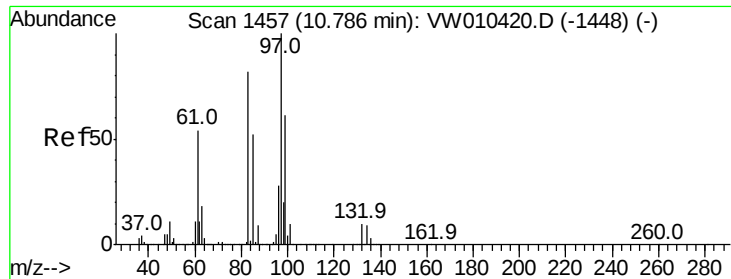
MMDadoda
5/20/2019 12:16:01 PM



#54
cis-1,3-Dichloropropene
Concen: 20.089 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 75 Resp: 297570
Ion Ratio Lower Upper
75 100
77 33.3 25.2 37.8
39 47.6 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 19.937 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

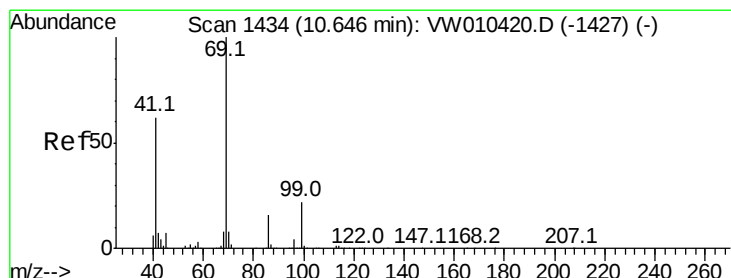
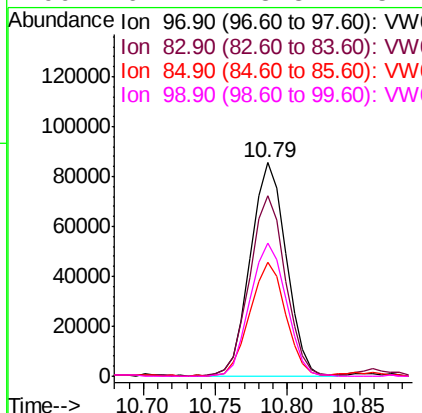
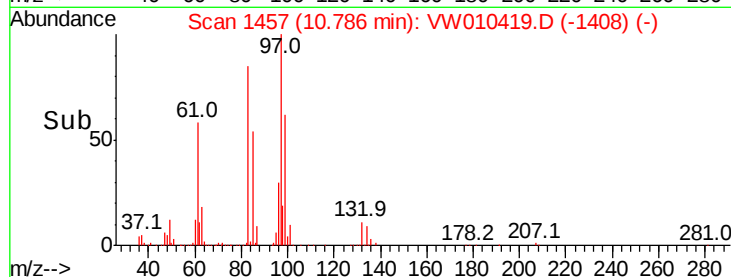
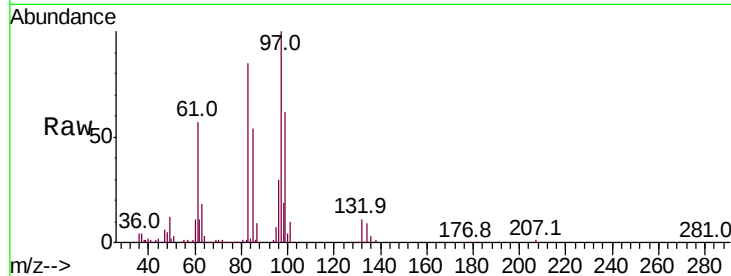
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146221		
83	84.5	65.6	98.4		
85	53.6	41.6	62.4		
99	62.4	48.8	73.2		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.634 ug/l

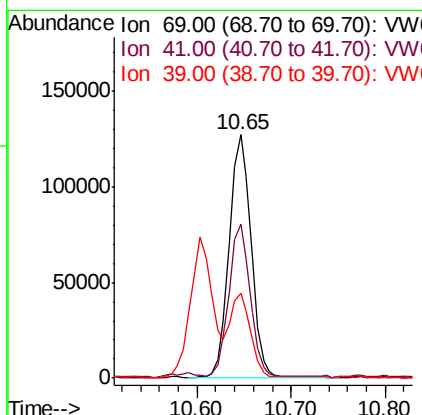
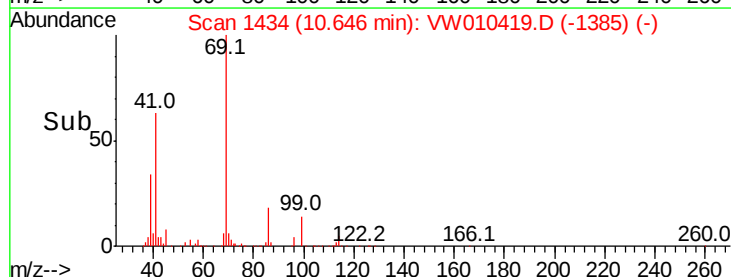
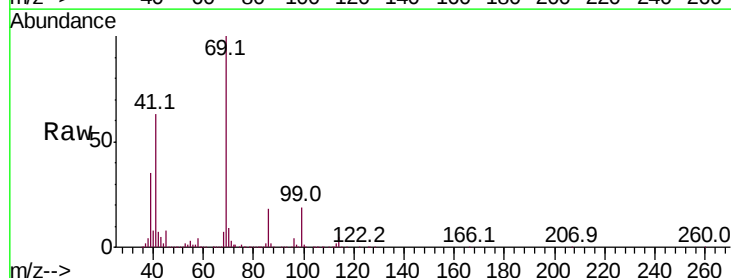
RT: 10.65 min Scan# 1434

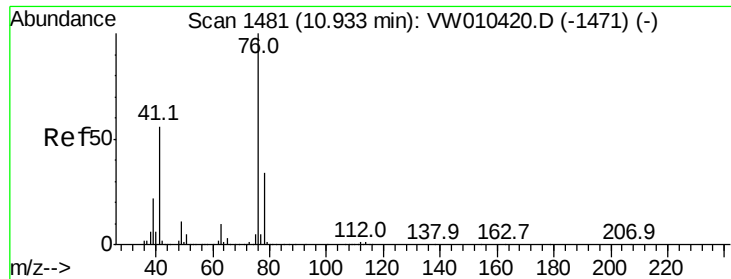
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		204470		
41	60.9	50.0	75.0		
39	32.8	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 19.910 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 244250

Ion Ratio Lower Upper

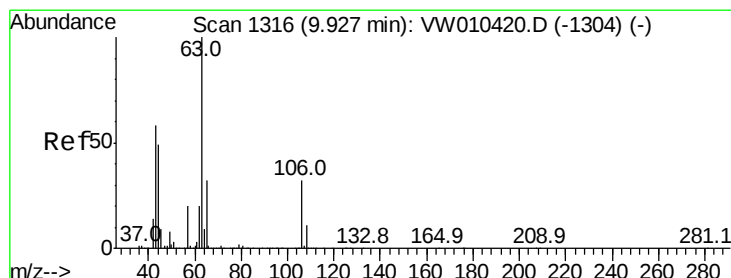
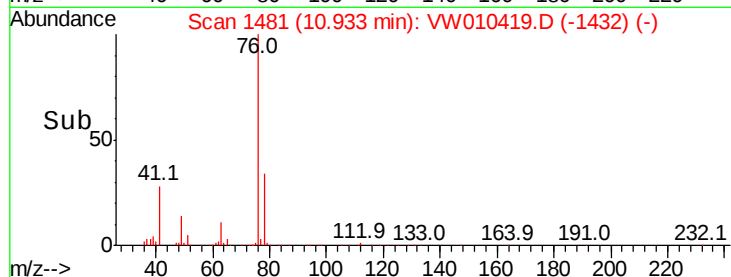
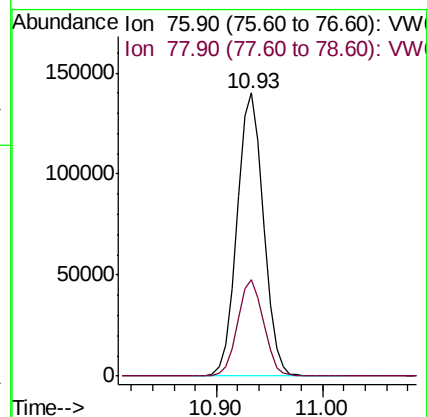
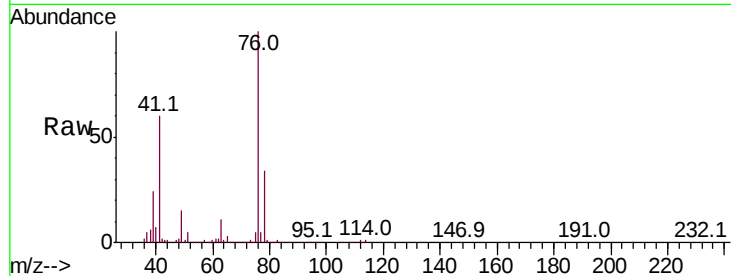
76 100

78 33.5 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 108.595 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010419.D

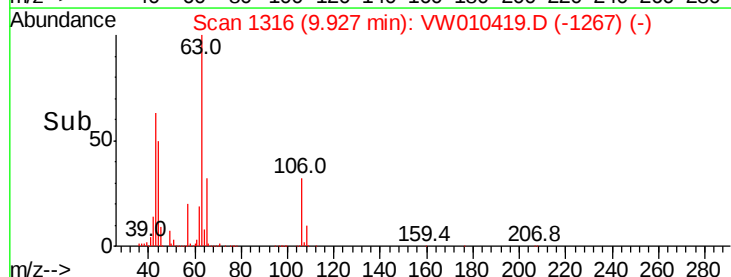
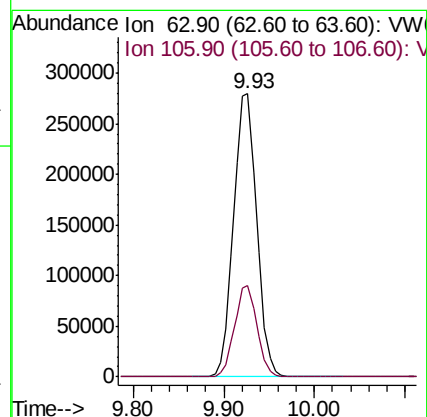
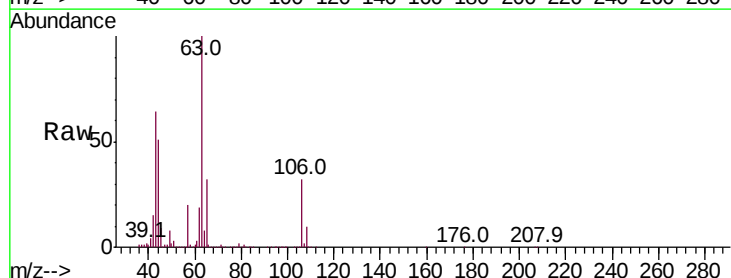
Acq: 17 May 2019 17:58

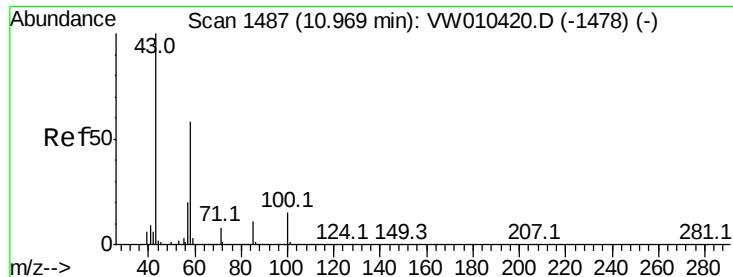
Tgt Ion: 63 Resp: 495691

Ion Ratio Lower Upper

63 100

106 31.3 25.2 37.8





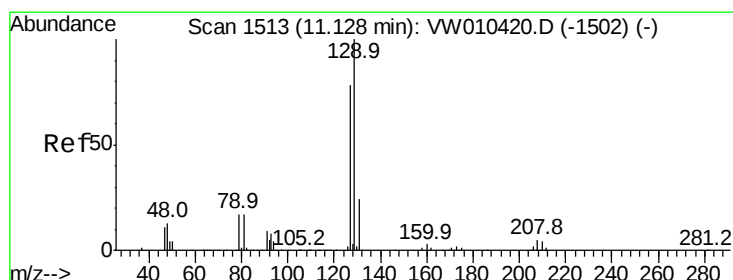
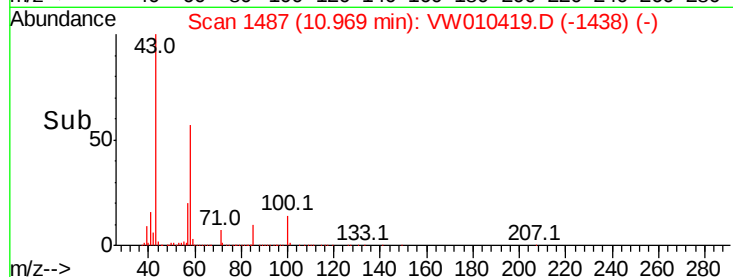
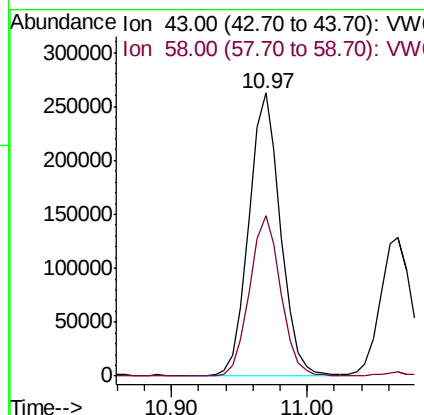
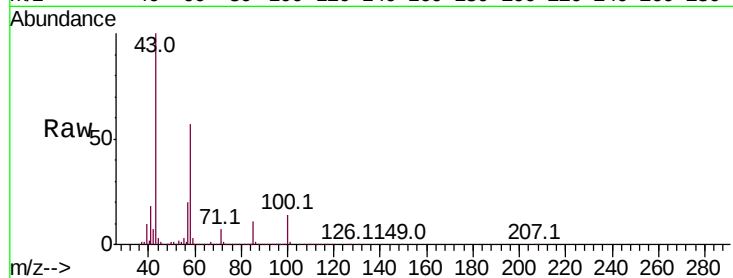
#59
2-Hexanone
Concen: 93.147 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 424102
Ion Ratio Lower Upper
43 100
58 56.6 28.5 85.6

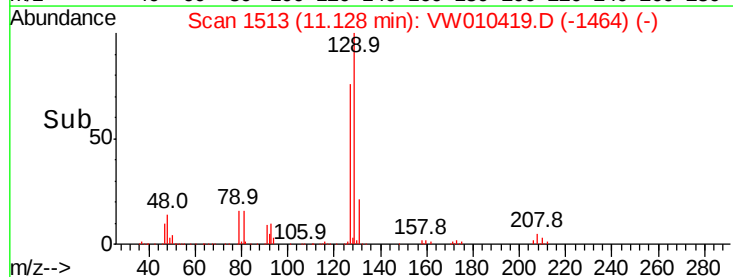
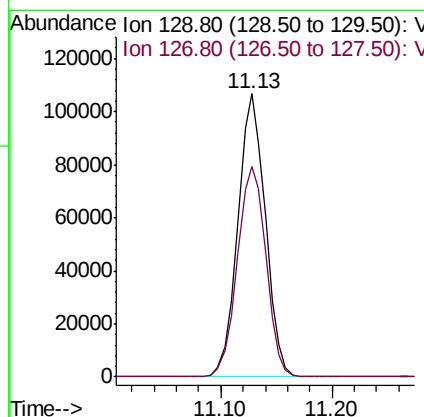
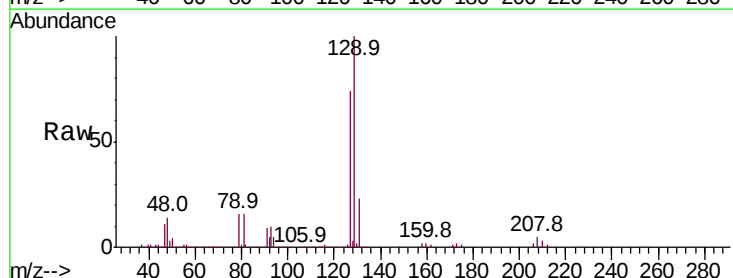
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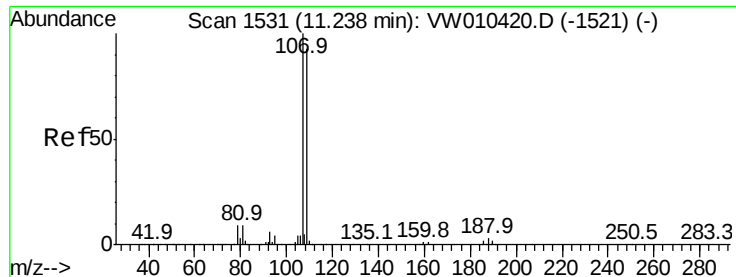
MMDadoda
5/20/2019 12:16:01 PM



#60
Dibromochloromethane
Concen: 19.826 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 129 Resp: 181630
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





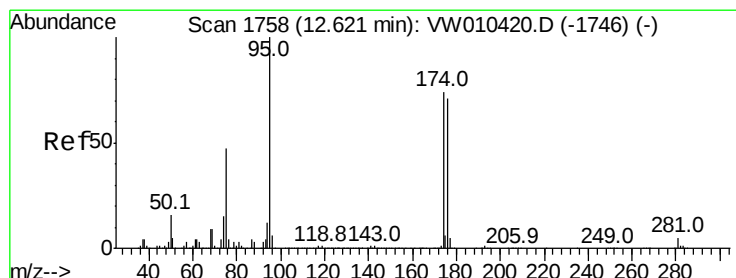
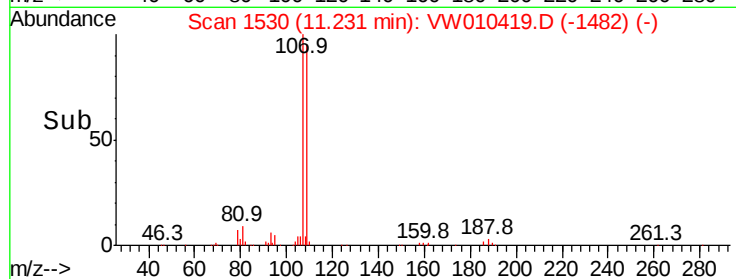
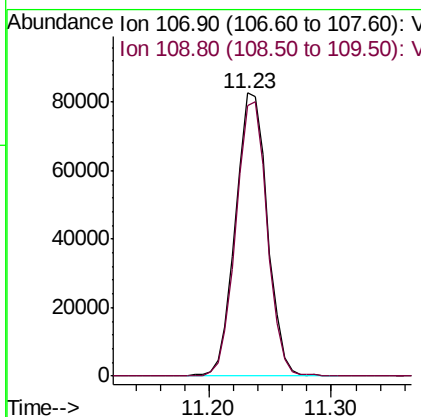
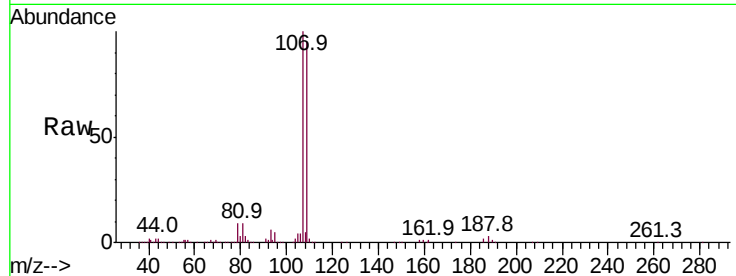
#61
 1,2-Dibromoethane
 Concen: 20.183 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	149376		
109	95.0	74.8	112.2	

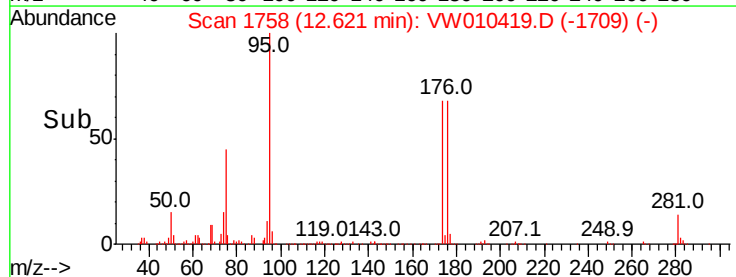
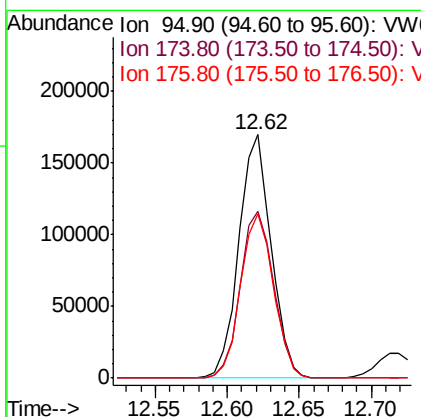
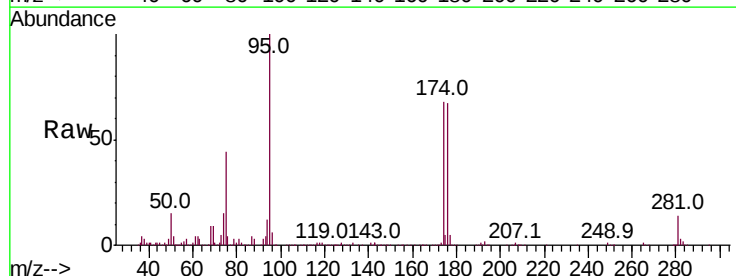
Manual Integrations
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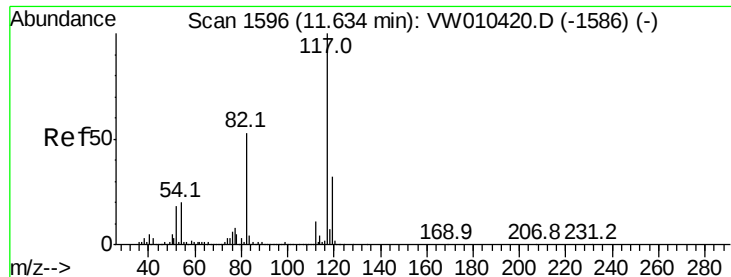
MMDadoda
 5/20/2019 12:16:01 PM



#62
 4-Bromofluorobenzene
 Concen: 21.118 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	262728		
174	71.1	0.0	146.6	
176	69.0	0.0	141.4	





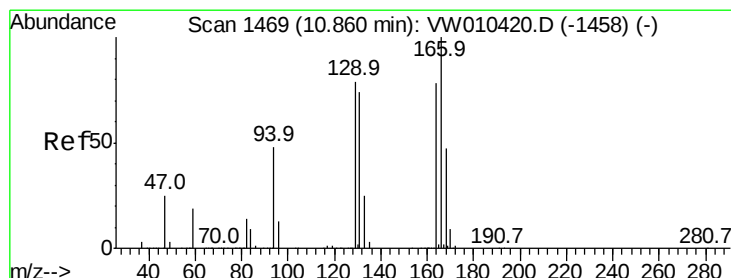
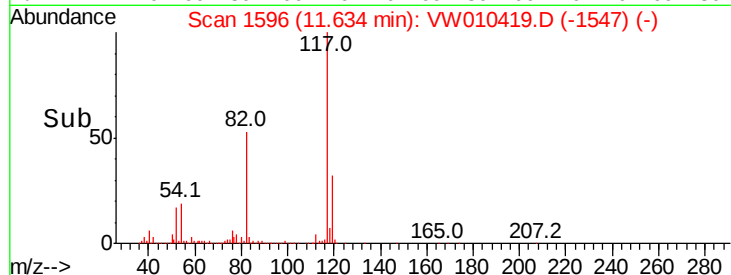
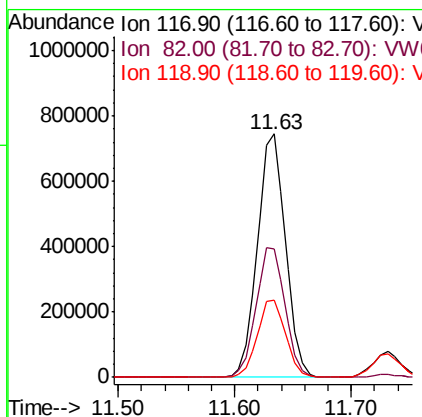
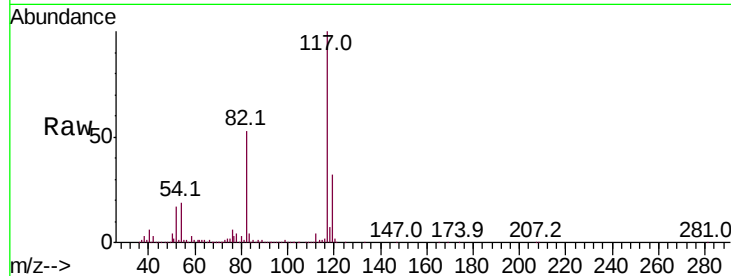
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1253229
Ion Ratio Lower Upper
117 100
82 52.7 42.1 63.1
119 31.8 25.6 38.4

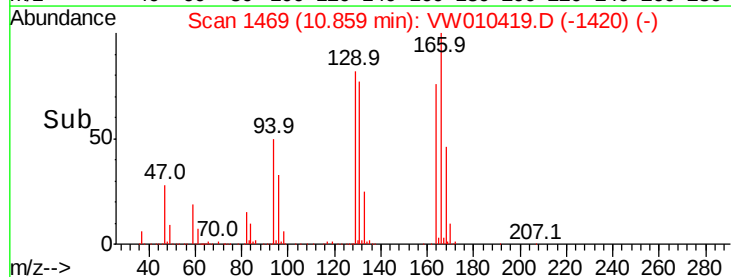
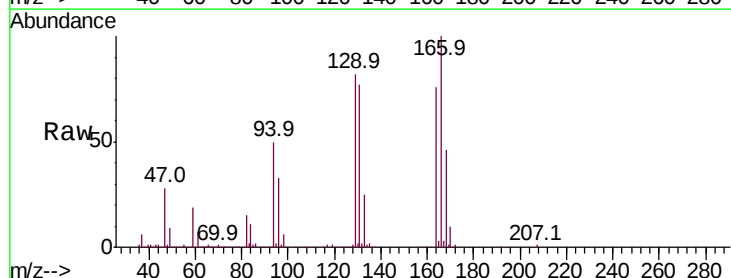
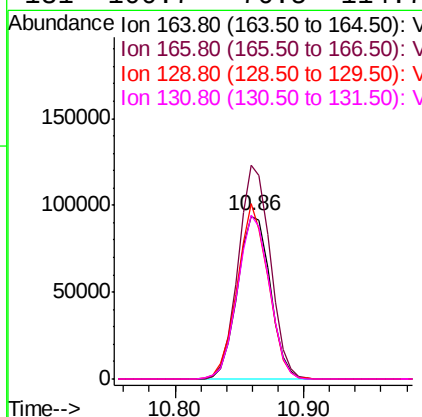
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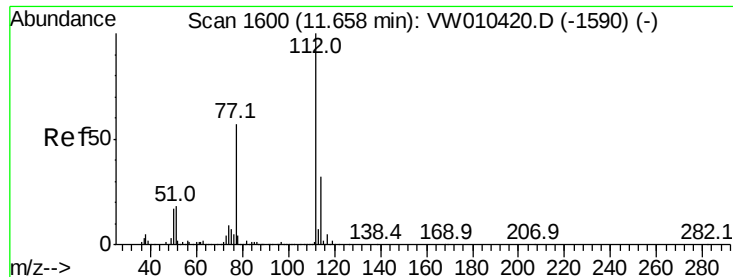
MMDadoda
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#64
Tetrachloroethene
Concen: 19.856 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion:164 Resp: 164487
Ion Ratio Lower Upper
164 100
166 131.4 103.2 154.8
129 107.6 81.6 122.4
131 100.7 76.5 114.7





#65

Chlorobenzene

Concen: 20.427 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 507962

Ion Ratio Lower Upper

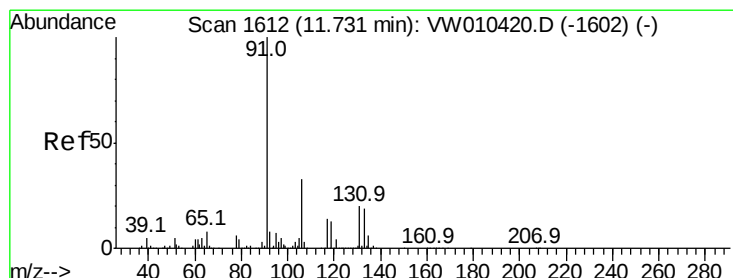
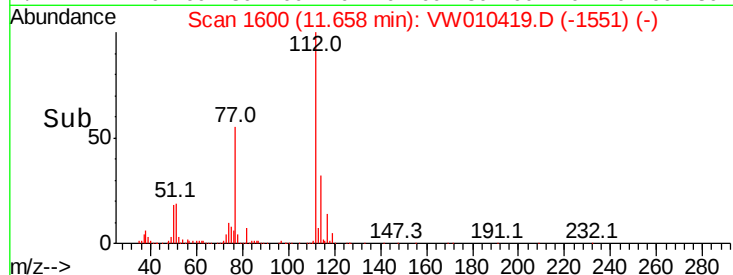
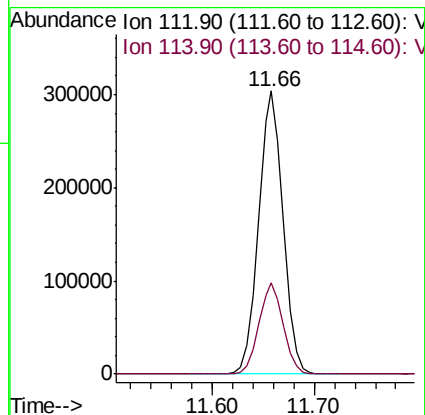
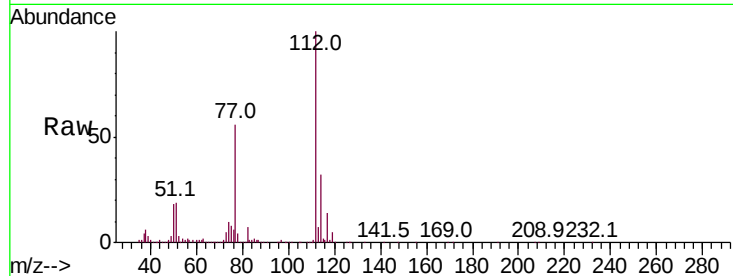
112 100

114 32.2 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.200 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

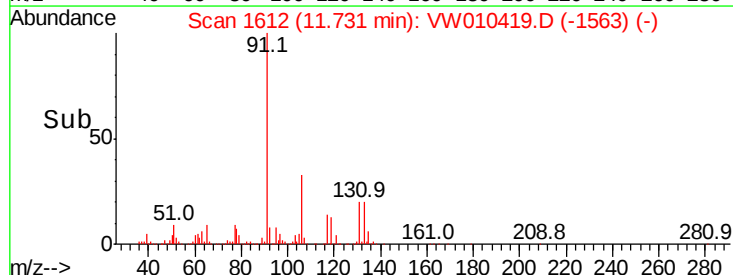
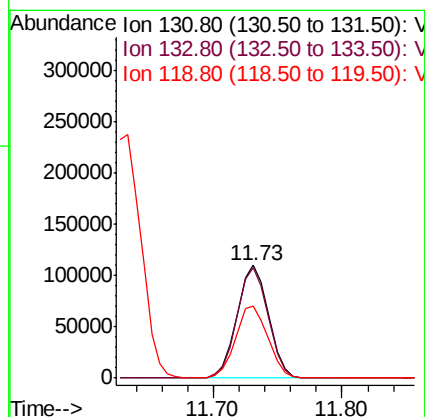
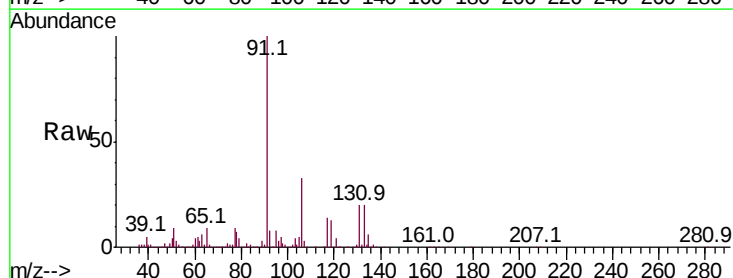
Tgt Ion:131 Resp: 186014

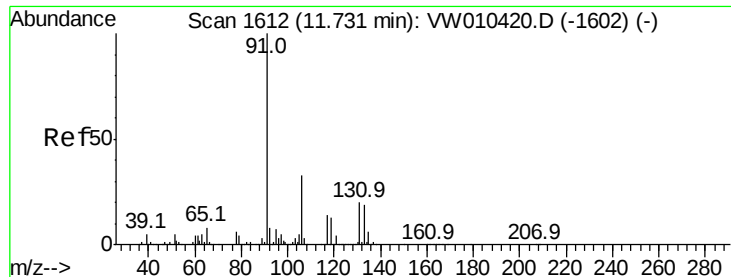
Ion Ratio Lower Upper

131 100

133 97.1 48.3 144.8

119 65.4 32.4 97.0





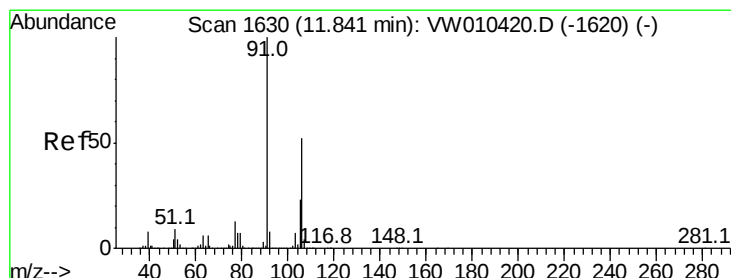
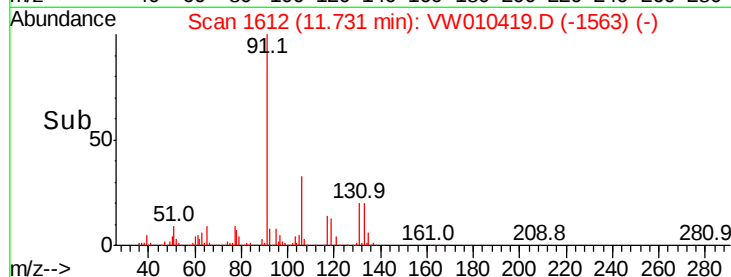
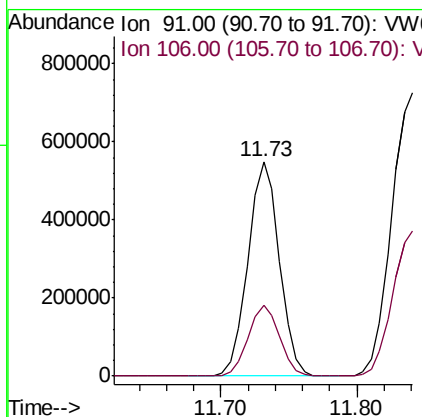
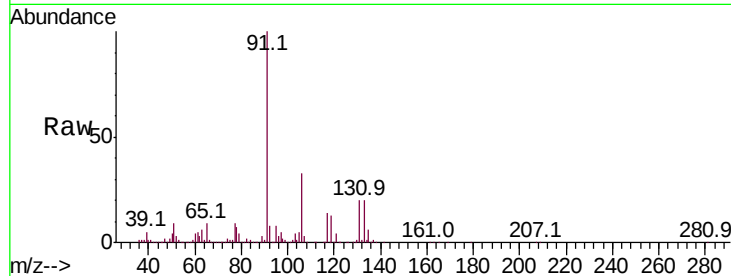
#67
Ethyl Benzene
Concen: 20.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	33.1	26.5	39.7	

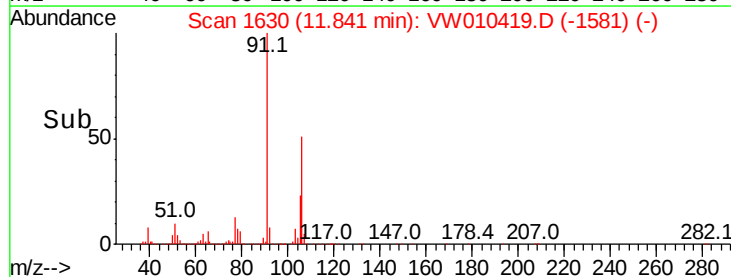
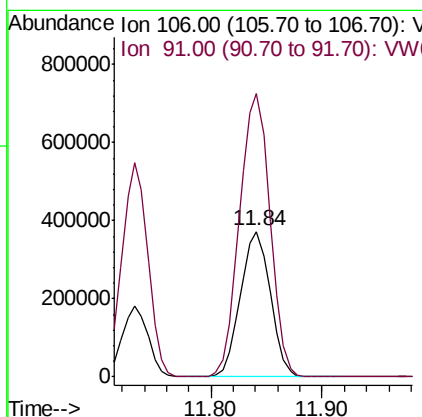
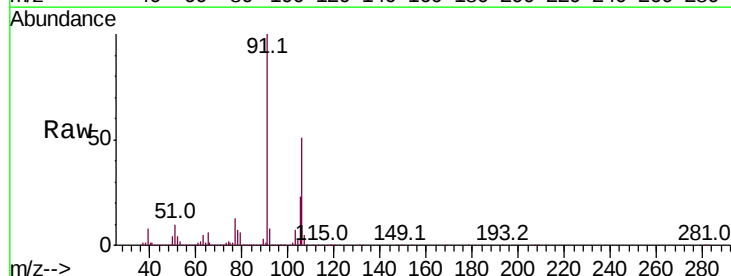
Manual Integrations
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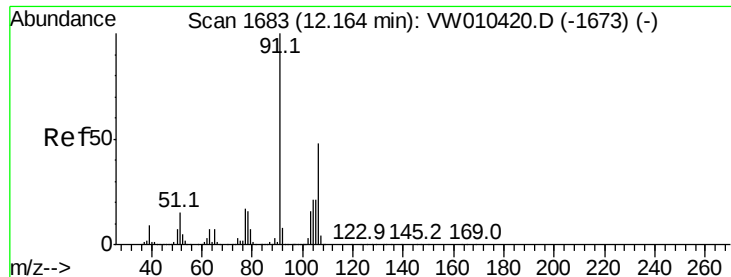
MMDadoda
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#68
m/p-Xylenes
Concen: 40.299 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.3	156.2	234.2	





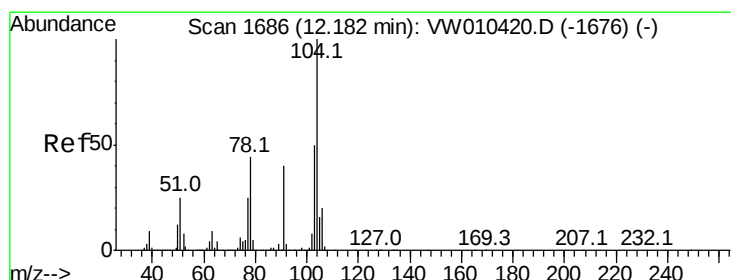
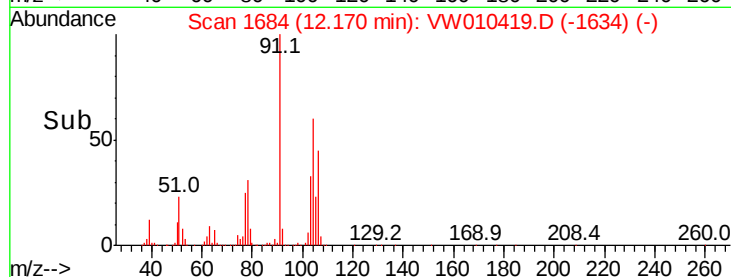
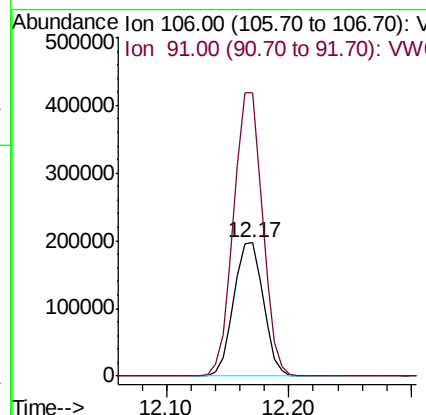
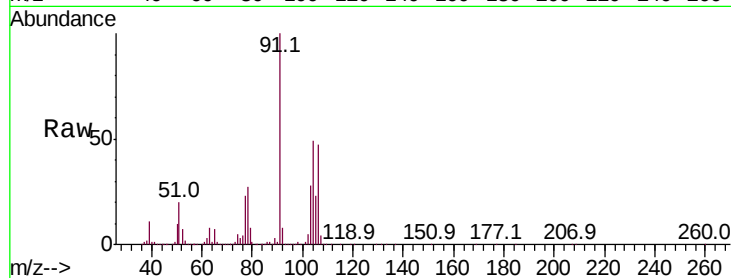
#69
o-Xylene
Concen: 19.805 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.0	102.5	307.5

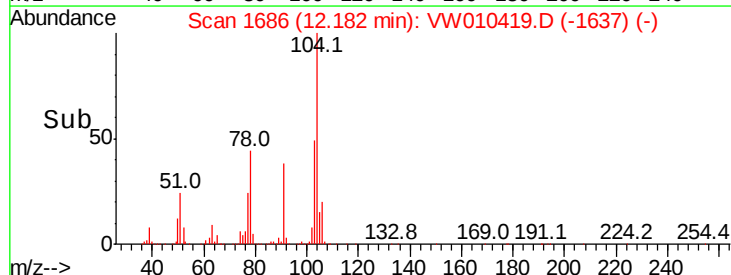
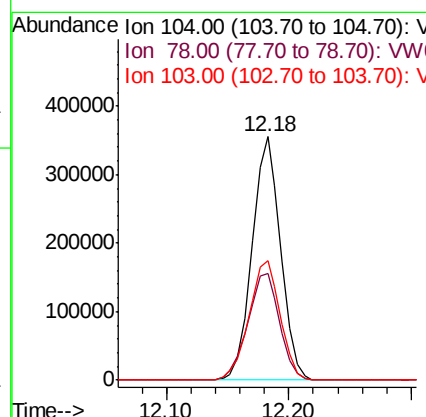
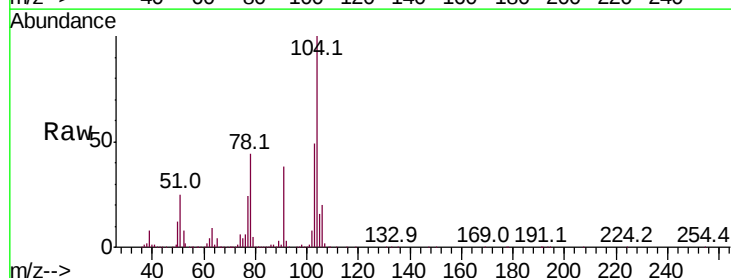
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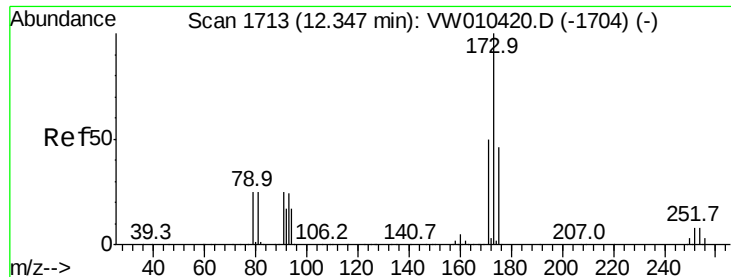
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#70
Styrene
Concen: 19.803 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.4	59.0
103	54.0	43.4	65.0





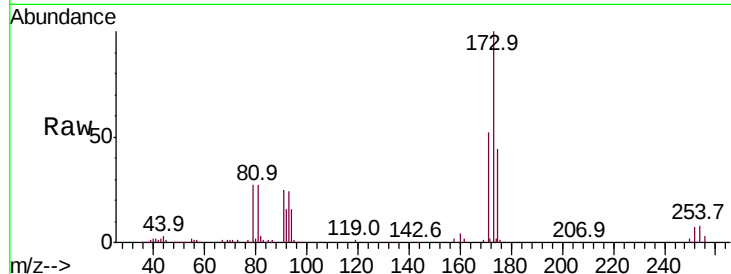
#71
Bromoform
Concen: 19.074 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.1	0.2	0.2#

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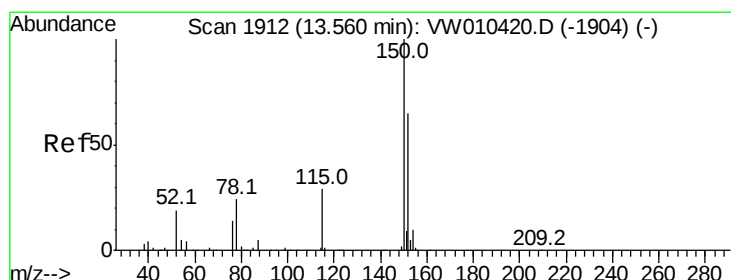
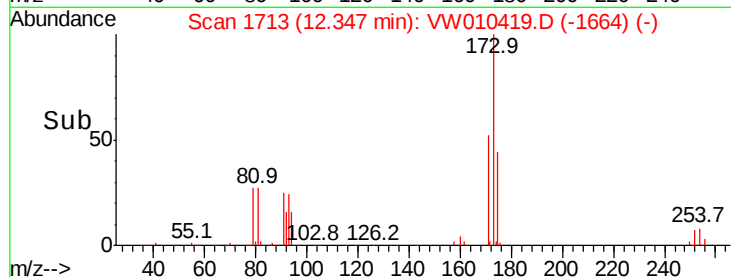
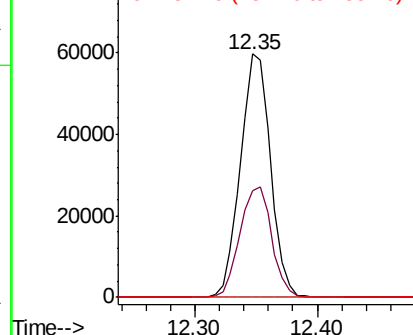


Abundance

Ion 172.70 (172.40 to 173.40): V

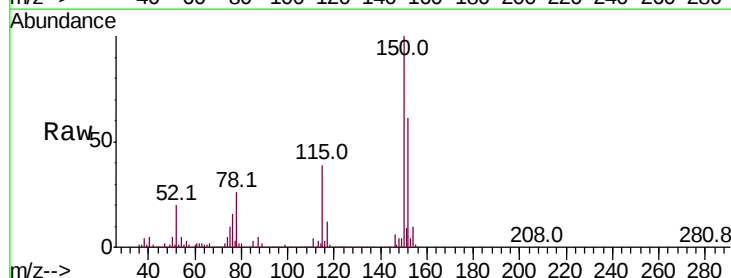
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.0	90.1
150	165.4	0.0	350.2

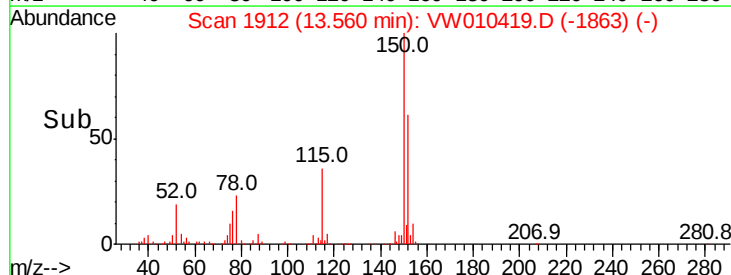
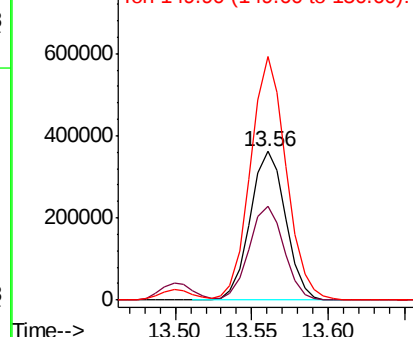


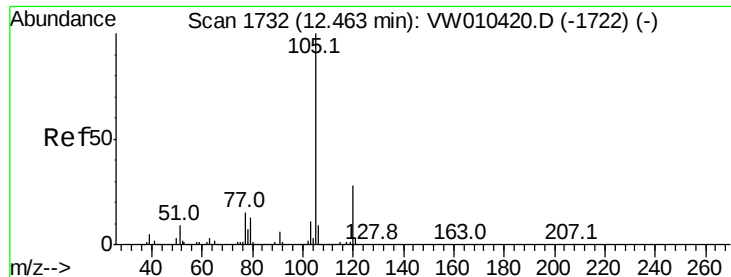
Abundance

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: 21.095 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 896368

Ion Ratio Lower Upper

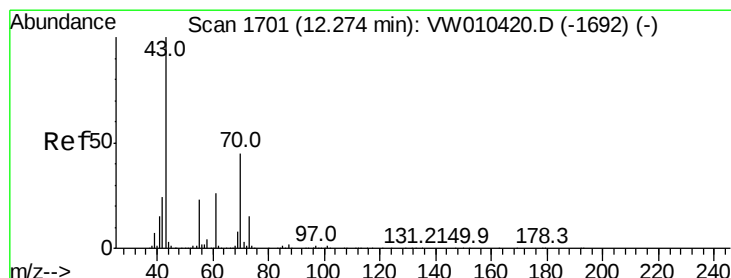
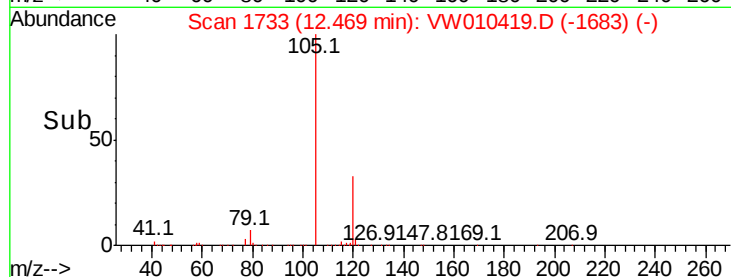
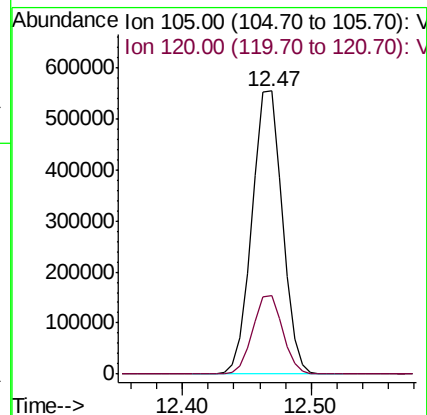
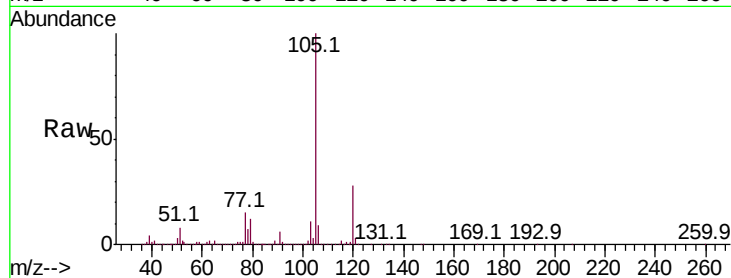
105 100

120 27.4 13.9 41.6

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#74

N-ethyl acetate

Concen: 18.827 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion: 43 Resp: 221507

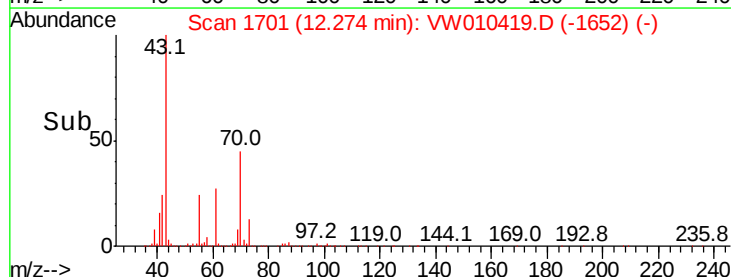
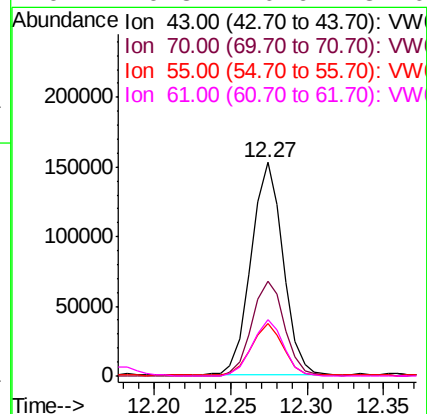
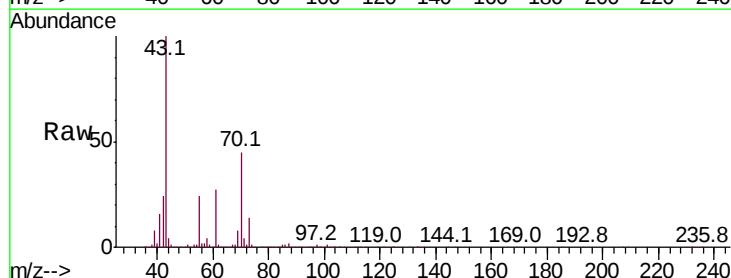
Ion Ratio Lower Upper

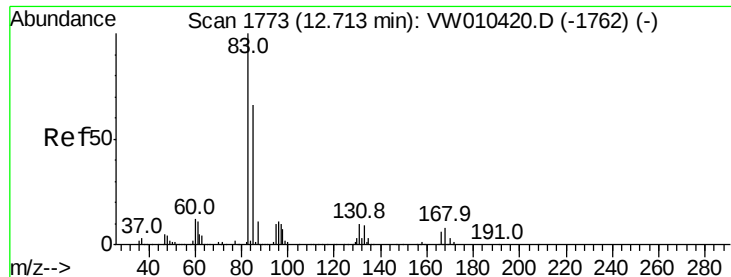
43 100

70 45.4 36.4 54.6

55 24.1 19.0 28.6

61 26.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.925 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

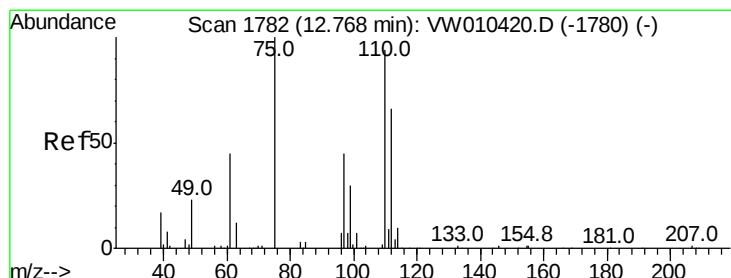
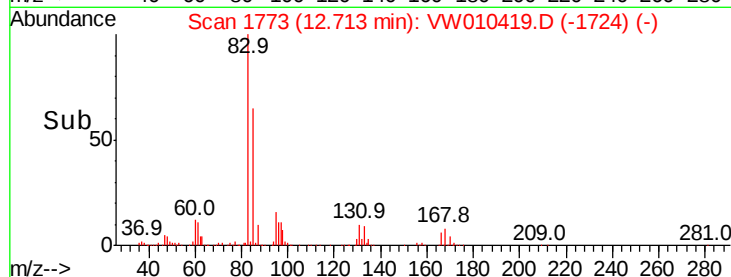
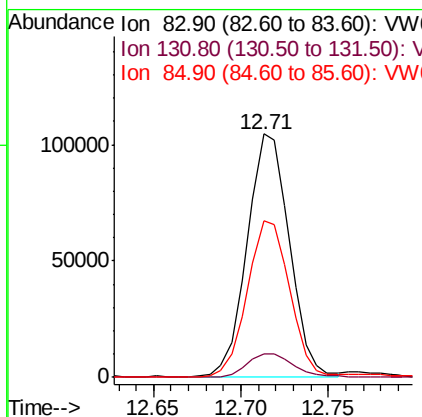
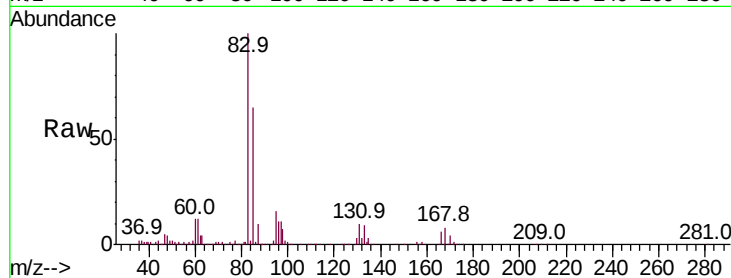
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	174744
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	65.0	32.3	96.9

Manual Integrations
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5/20/2019 12:16:01 PM



#76

1,2,3-Trichloropropane

Concen: 19.187 ug/l m

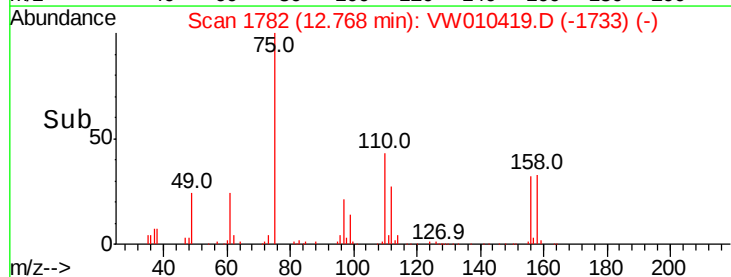
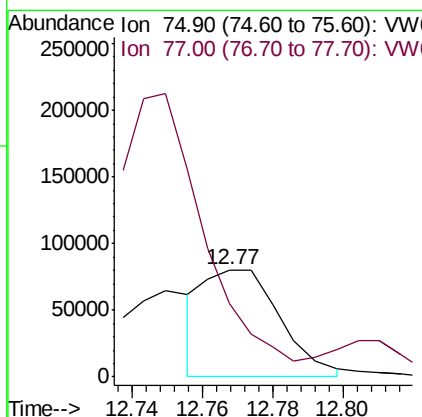
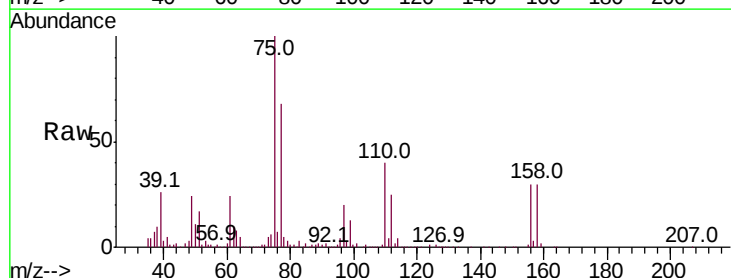
RT: 12.77 min Scan# 1782

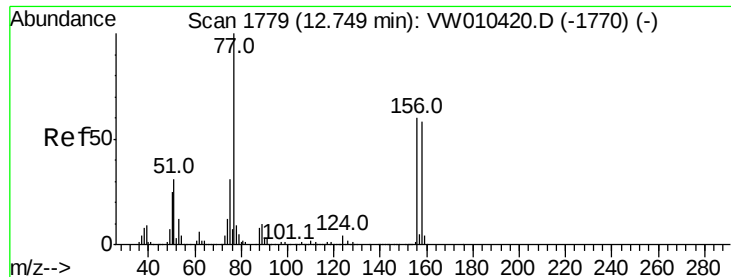
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	75	Resp:	121602
Ion Ratio	Lower	Upper	
75	100		
77	323.2	0.0	0.0#





#77

Bromobenzene

Concen: 21.085 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

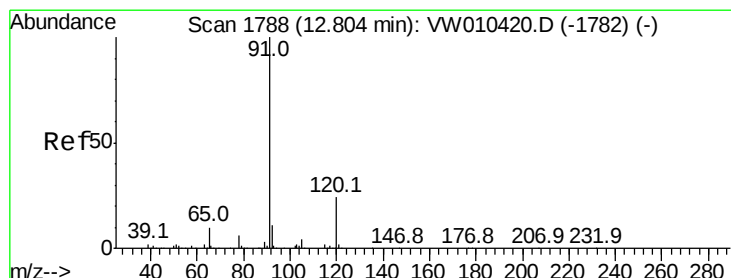
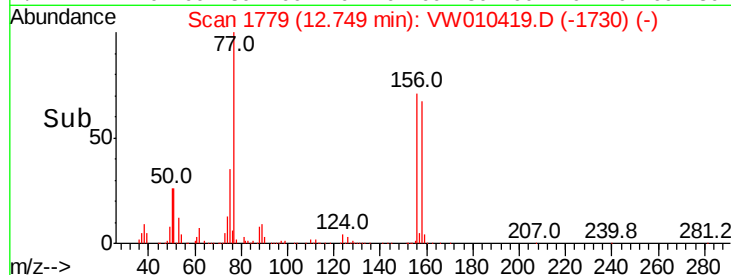
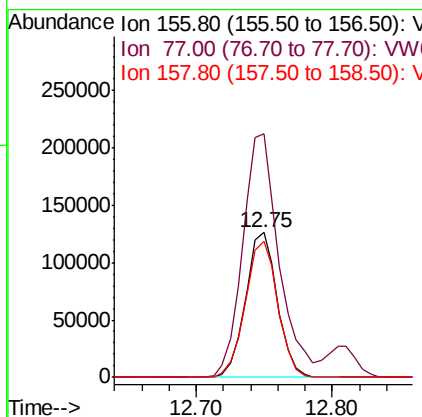
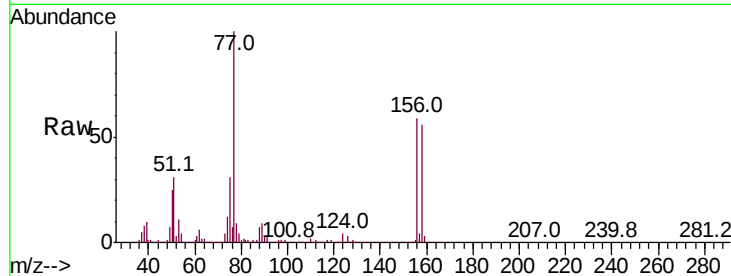
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	206719
Ion	Ratio	Lower	Upper
156	100		
77	190.1	95.7	286.9
158	95.6	48.9	146.7

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#78

n-propylbenzene

Concen: 20.909 ug/l

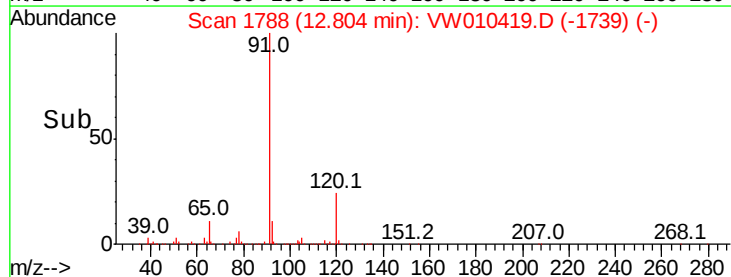
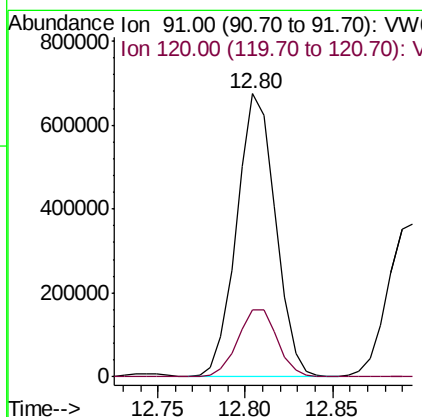
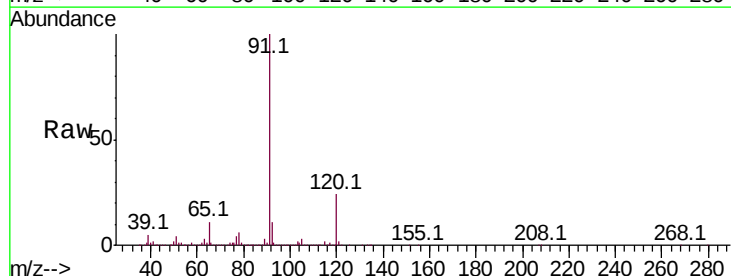
RT: 12.80 min Scan# 1788

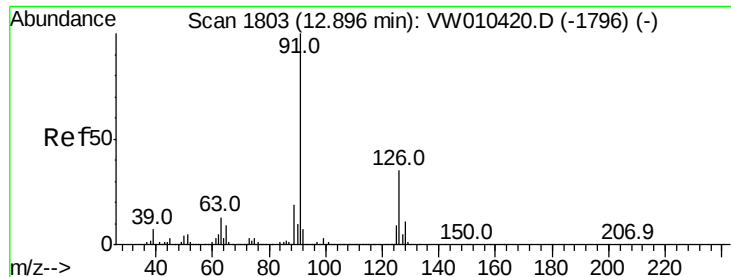
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	91	Resp:	1038982
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.1





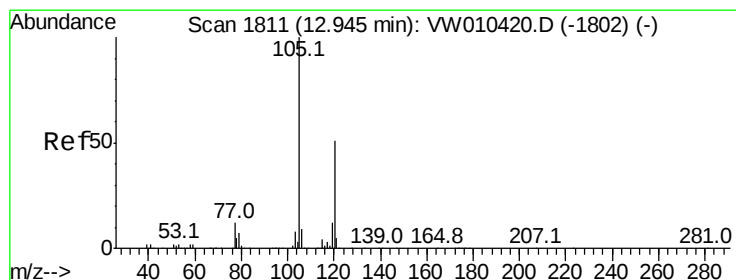
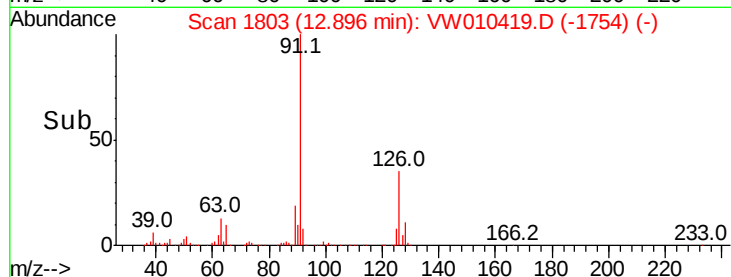
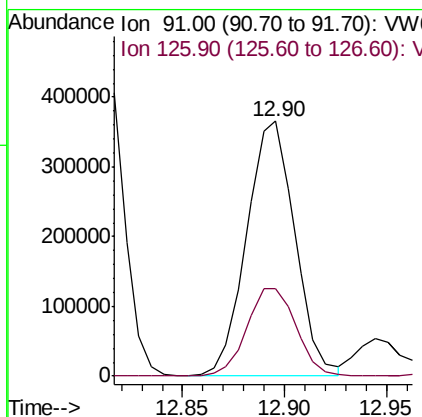
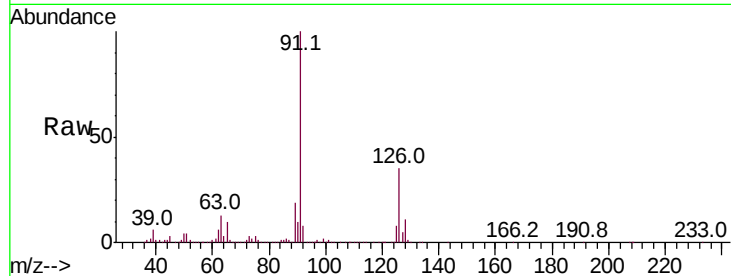
#79
 2-Chlorotoluene
 Concen: 20.808 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	52.0

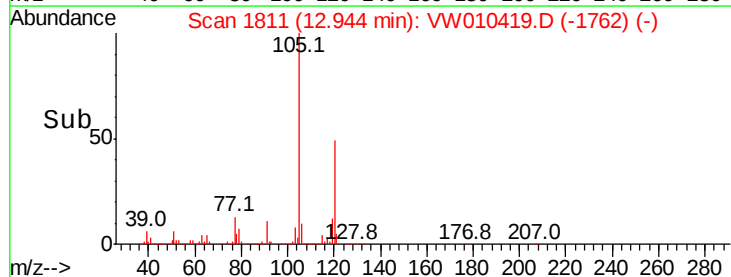
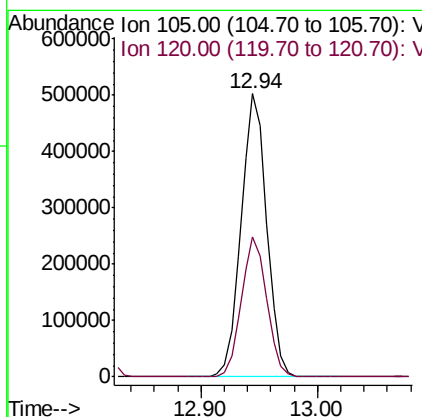
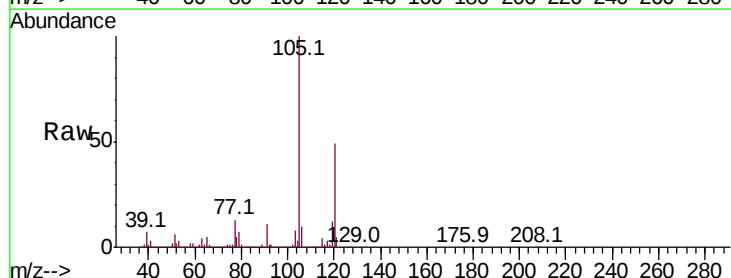
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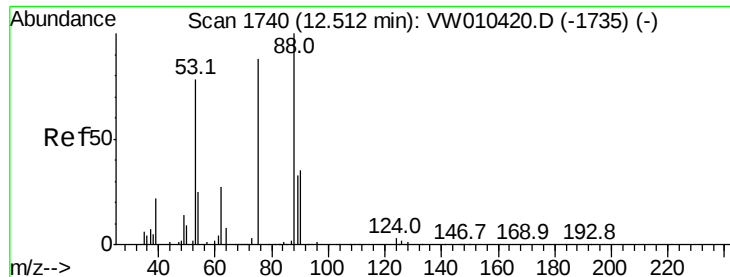
MMDadoda
 5/20/2019 12:16:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.015 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	25.1	75.2





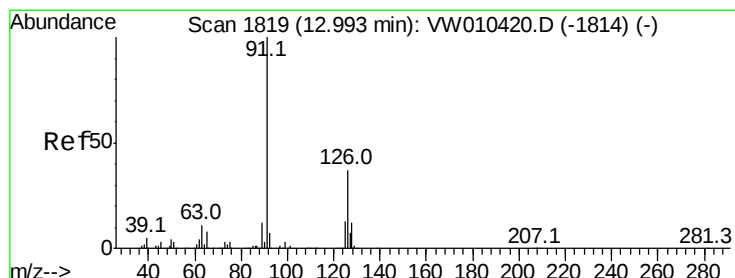
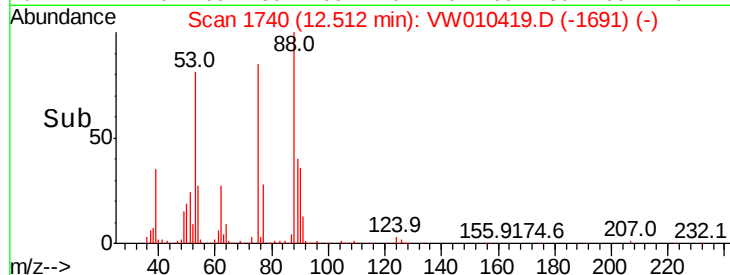
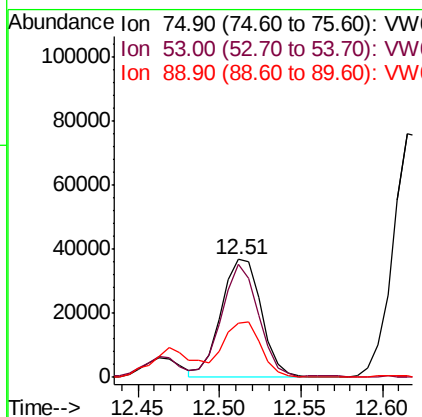
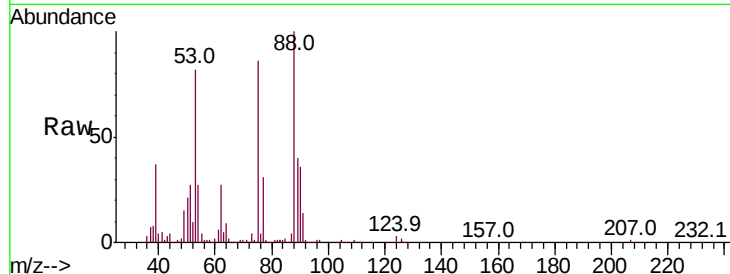
#81
trans-1,4-Dichloro-2-butene
Concen: 20.673 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.3	70.7	106.1
89	44.2	38.6	58.0

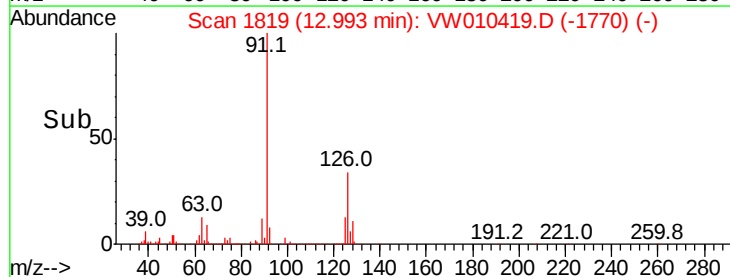
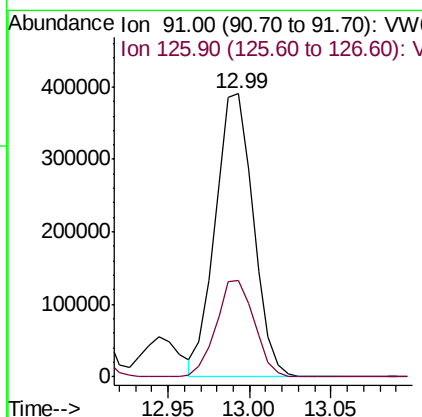
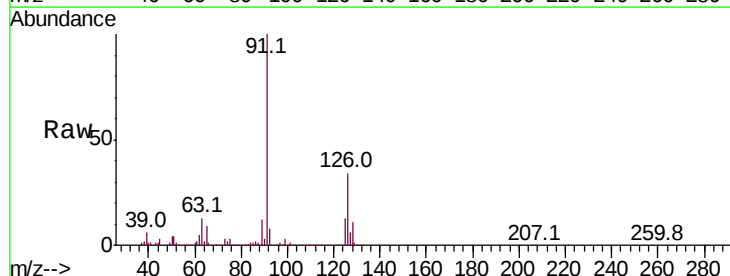
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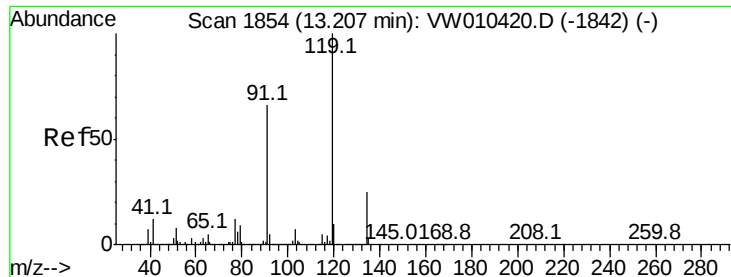
MMDadoda
5/20/2019 12:16:01 PM



#82
4-Chlorotoluene
Concen: 20.879 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.4	52.2





#83

tert-Butylbenzene

Concen: 20.892 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

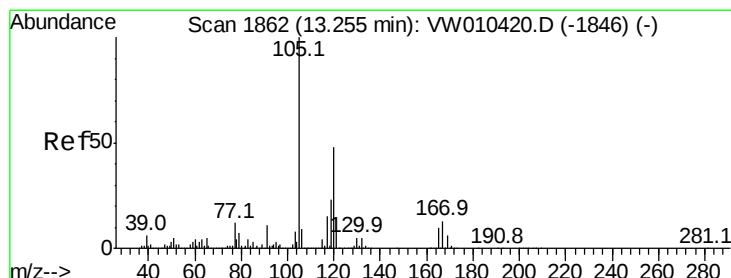
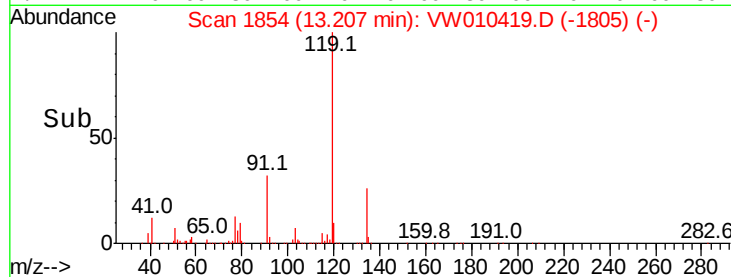
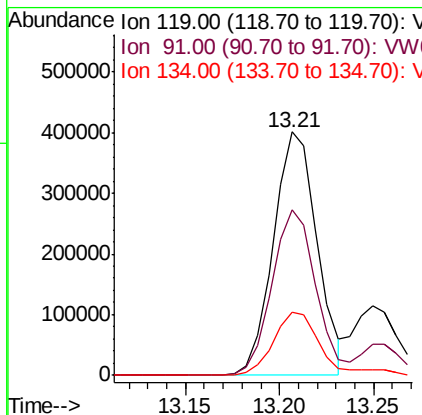
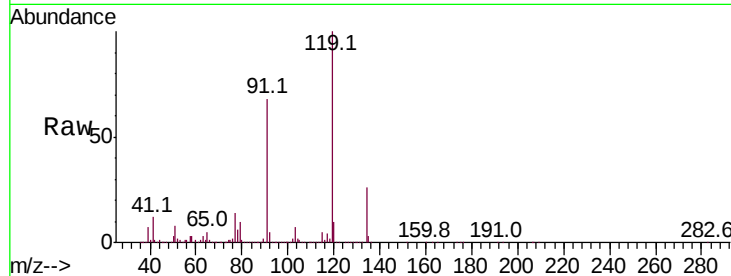
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	645038
Ion Ratio	Lower	Upper	
119	100		
91	68.4	33.5	100.5
134	28.3	13.8	41.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.610 ug/l

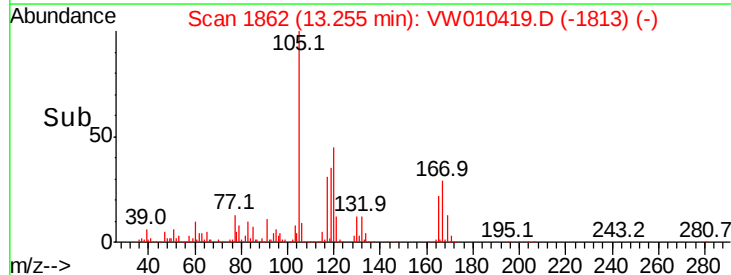
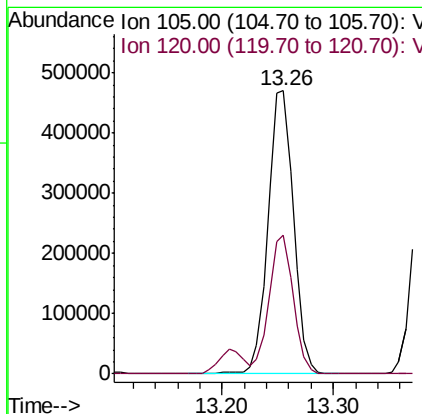
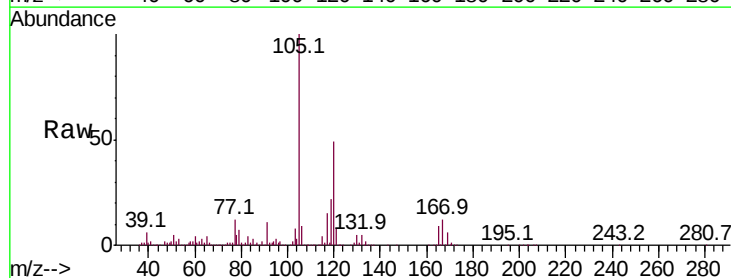
RT: 13.26 min Scan# 1862

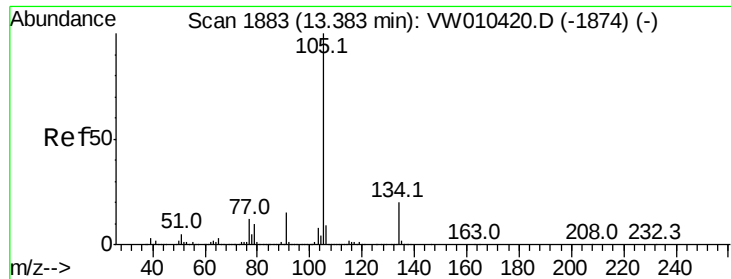
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	105	Resp:	752638
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.4	70.0





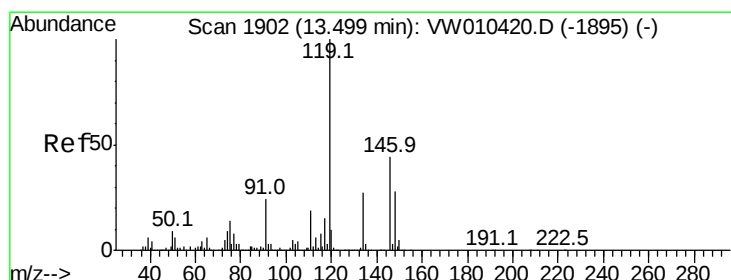
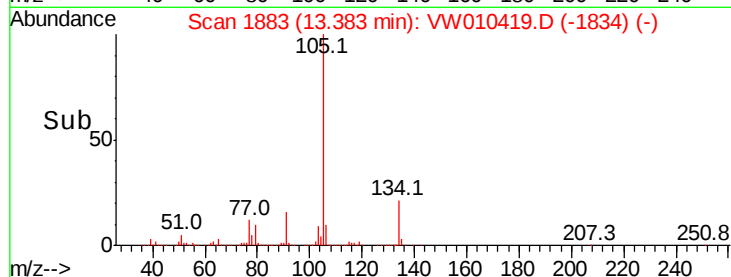
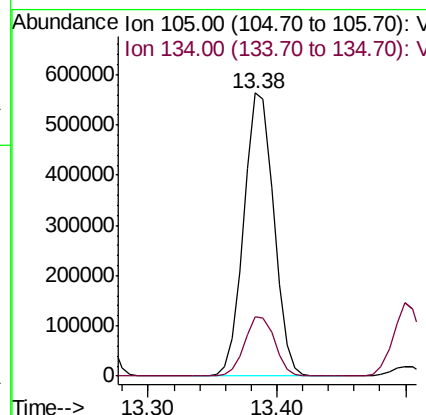
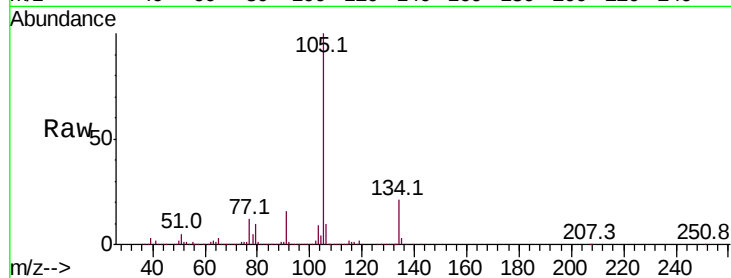
#85
 sec-Butylbenzene
 Concen: 20.703 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.4

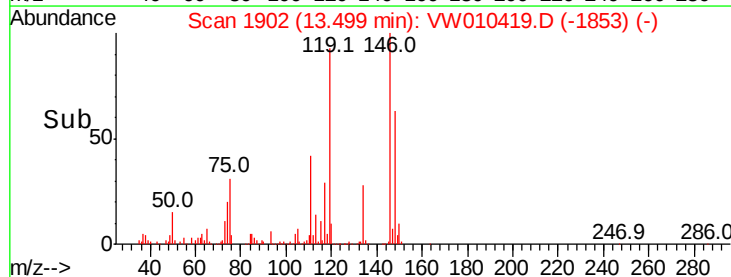
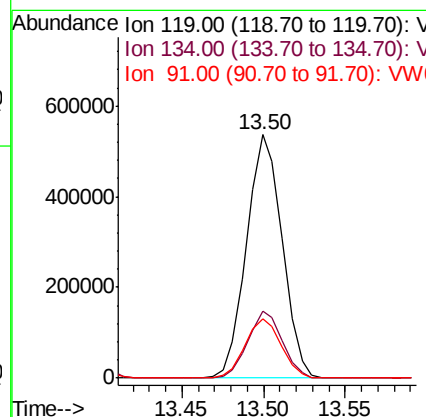
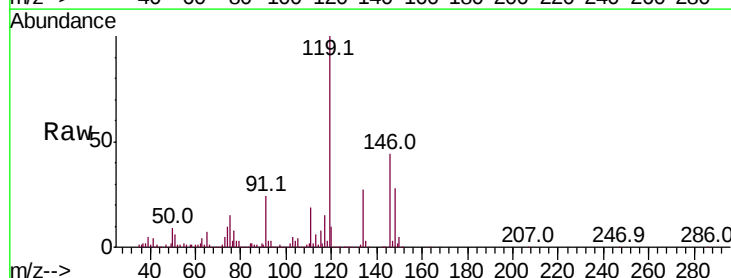
Manual Integrations
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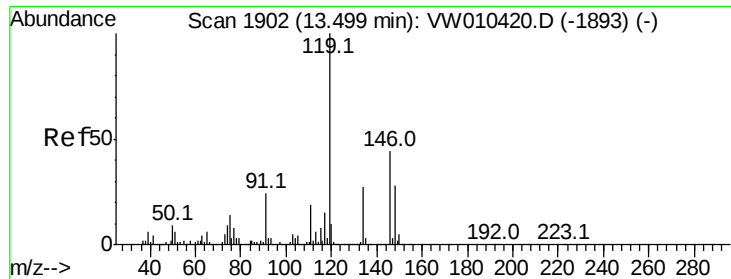
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.546 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.7	41.0
91	24.6	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 20.741 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010419.D

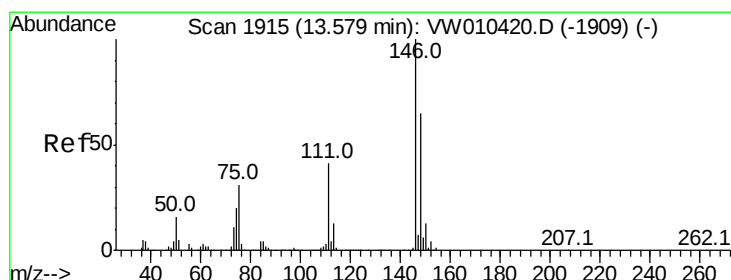
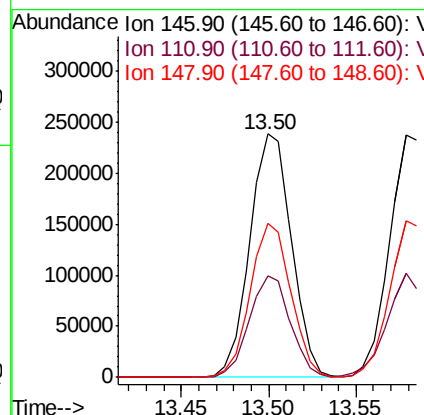
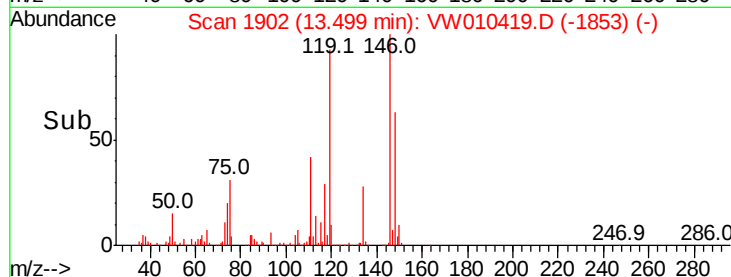
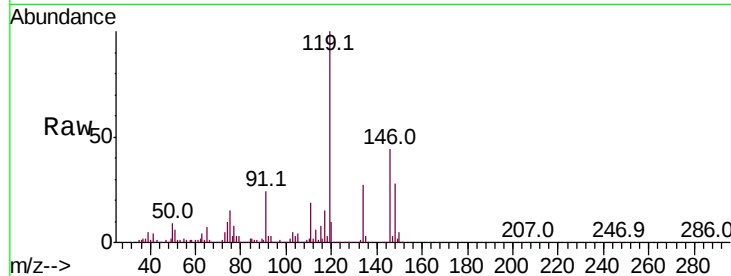
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	395445		
111	40.9	20.8	62.4	
148	61.7	31.8	95.4	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.328 ug/l

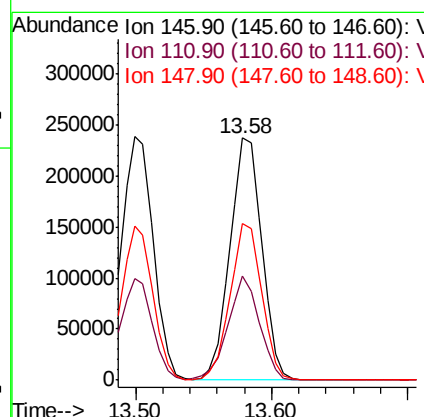
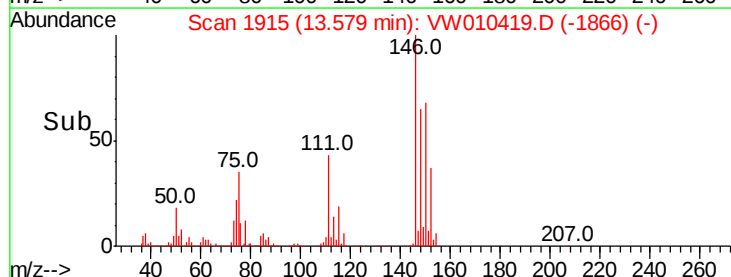
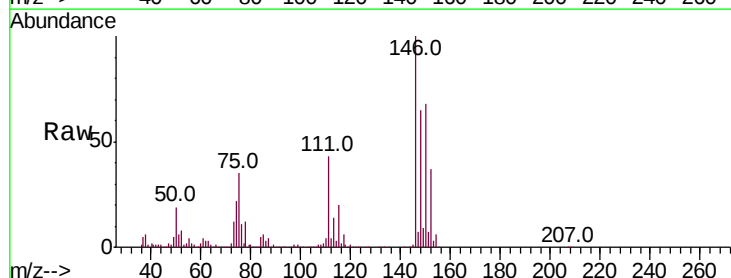
RT: 13.58 min Scan# 1915

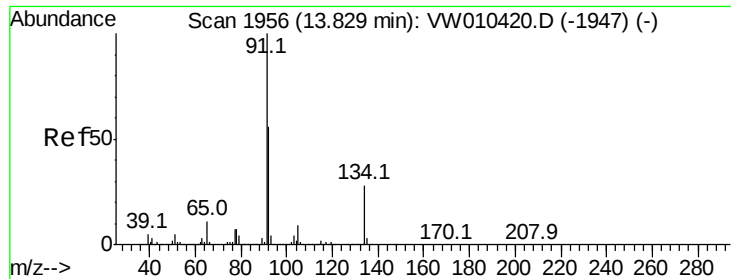
Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	386810		
111	42.1	20.4	61.3	
148	64.1	32.3	96.9	





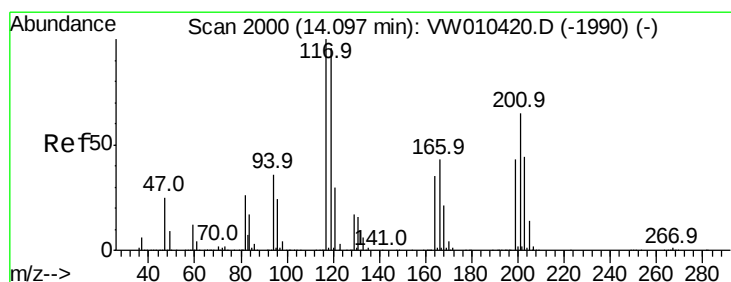
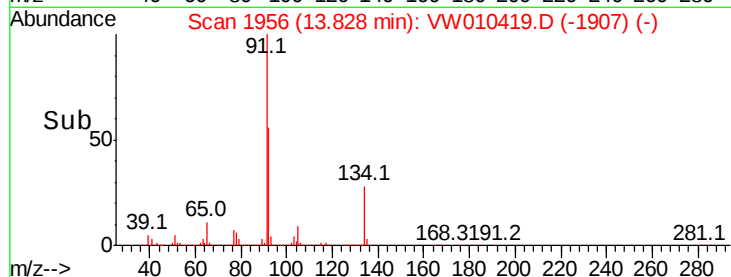
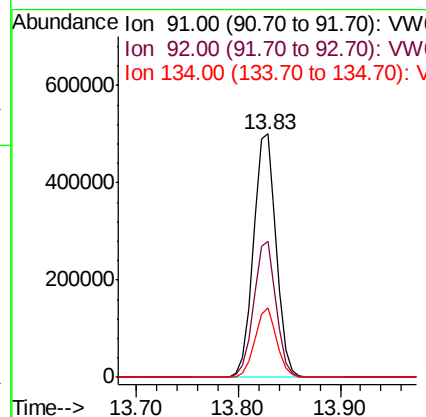
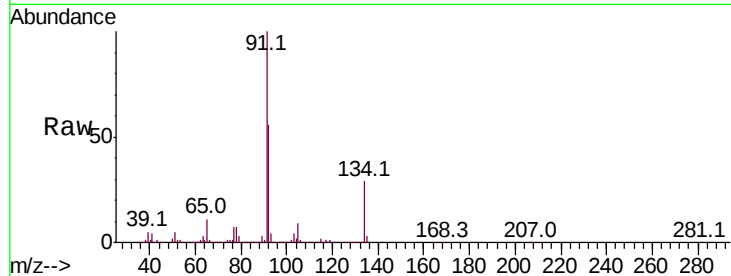
#89
n-Butylbenzene
Concen: 20.504 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.7	83.0
134	27.6	13.8	41.3

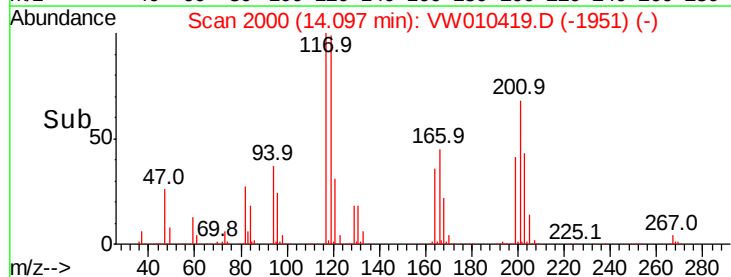
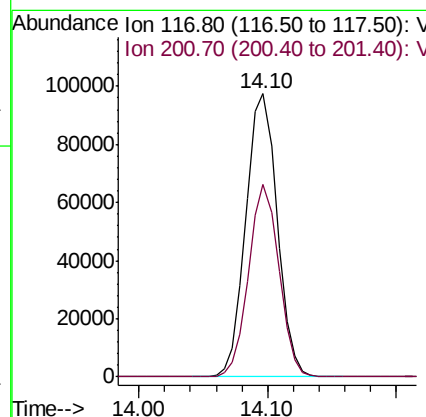
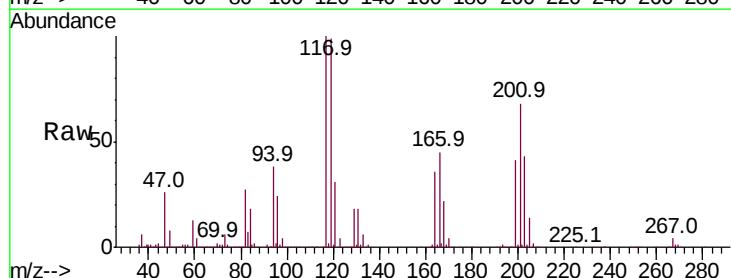
Manual Integrations
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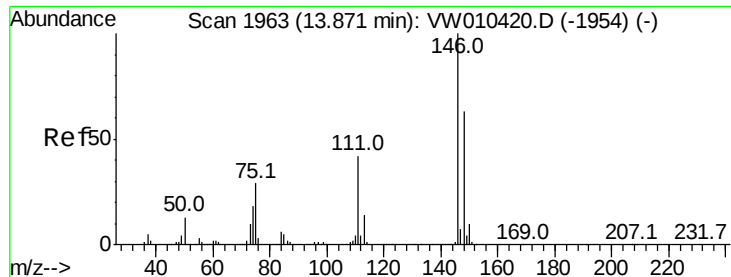
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#90
Hexachloroethane
Concen: 20.819 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	33.8	101.4





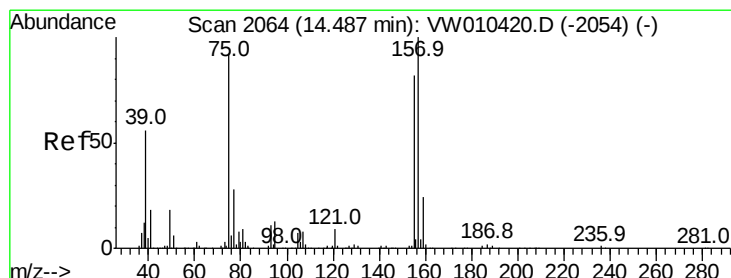
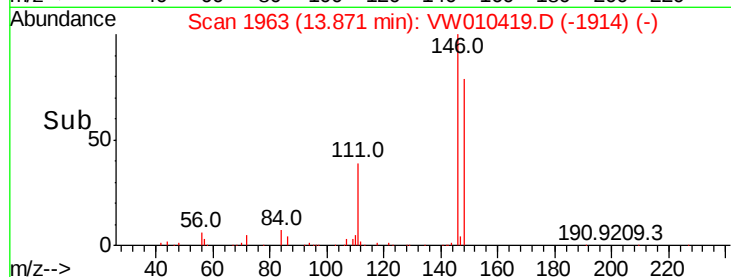
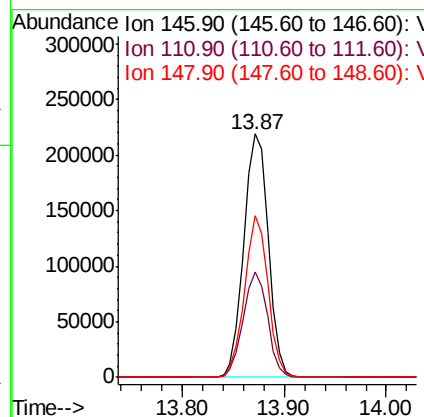
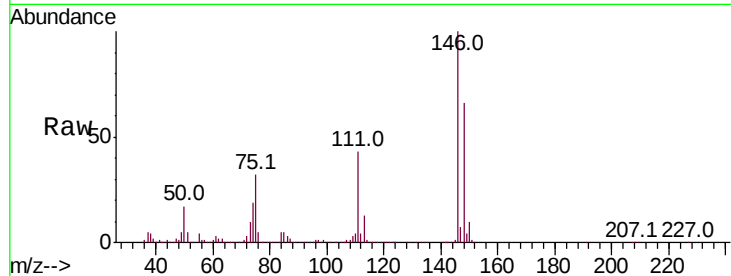
#91
 1,2-Dichlorobenzene
 Concen: 20.755 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.7
148	63.5	31.6	95.0

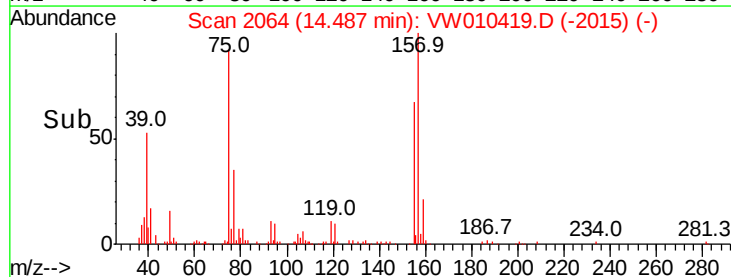
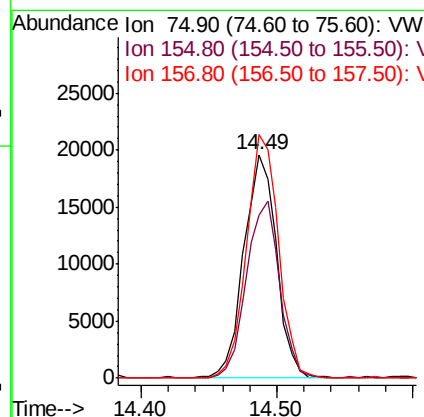
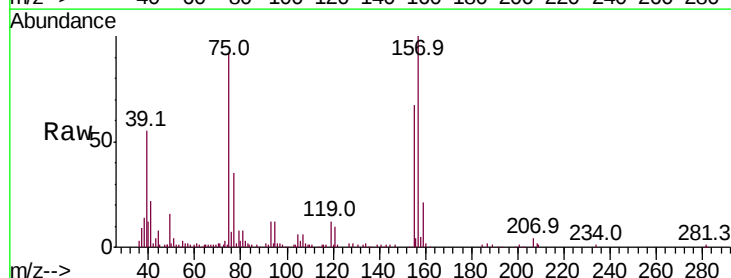
Manual Integrations
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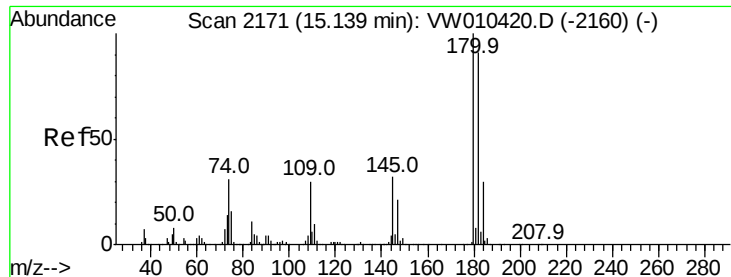
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.230 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	43.5	130.7
157	106.9	54.8	164.4





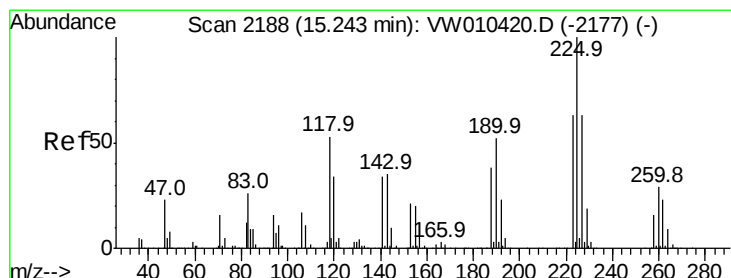
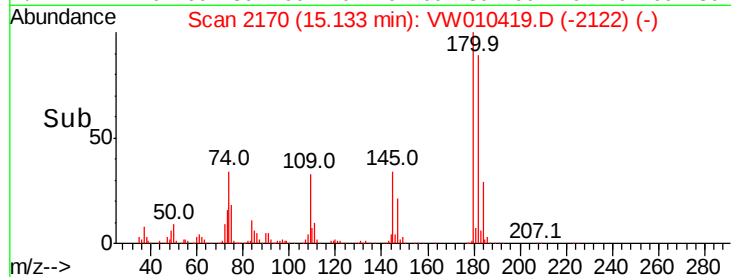
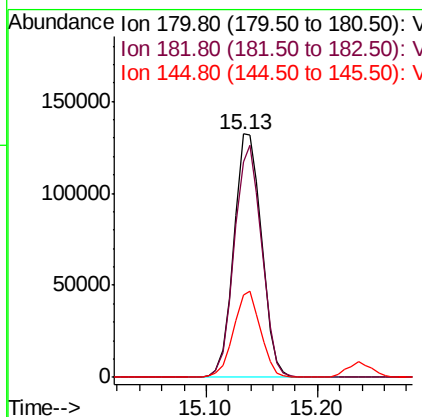
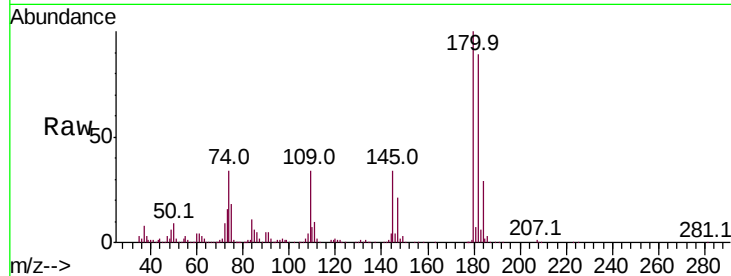
#93
 1,2,4-Trichlorobenzene
 Concen: 18.897 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	227341		
182	93.9	47.0	141.2	
145	34.7	16.6	49.7	

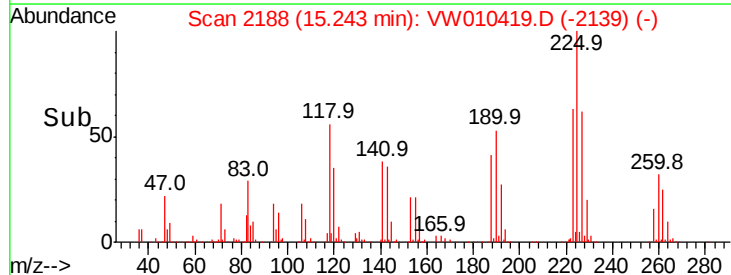
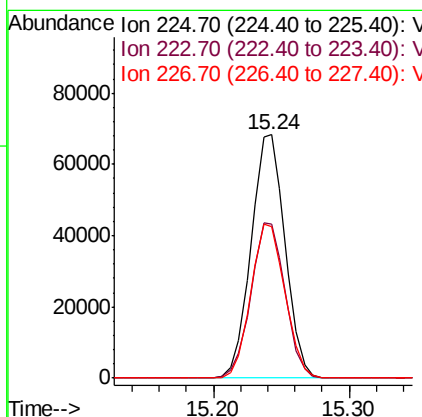
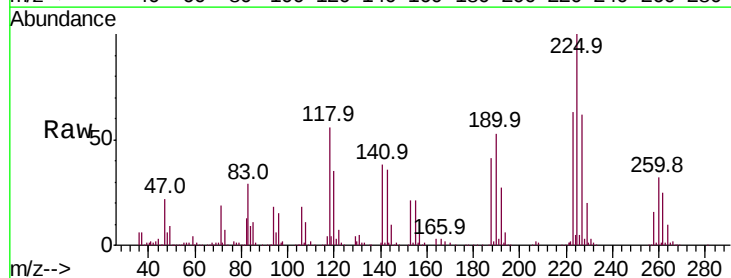
Manual Integrations
 APPROVED

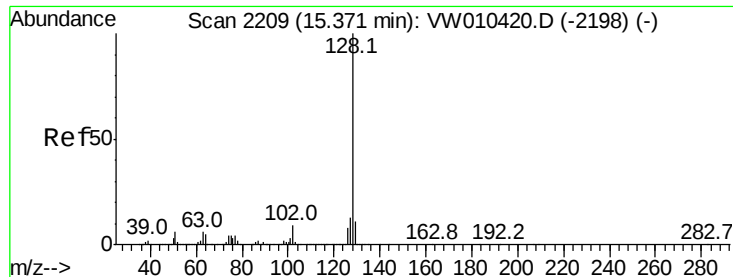
MMDadoda
 5/20/2019 12:16:01 PM



#94
 Hexachlorobutadiene
 Concen: 19.459 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119594		
223	64.0	32.0	96.2	
227	63.4	31.4	94.0	





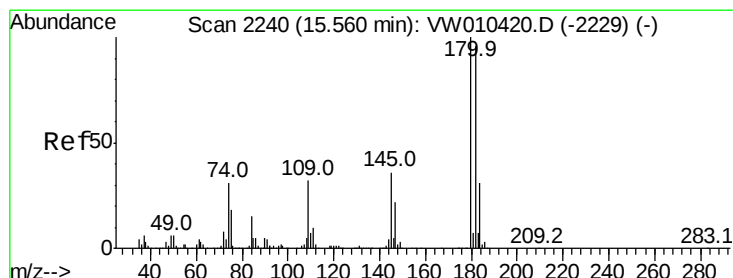
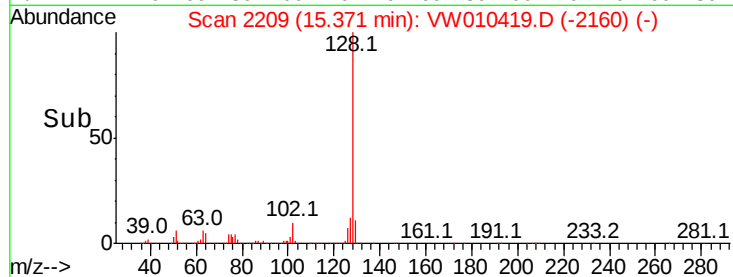
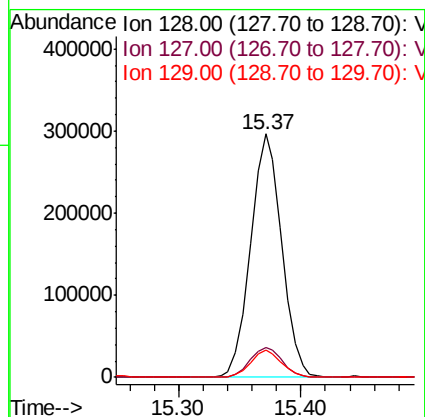
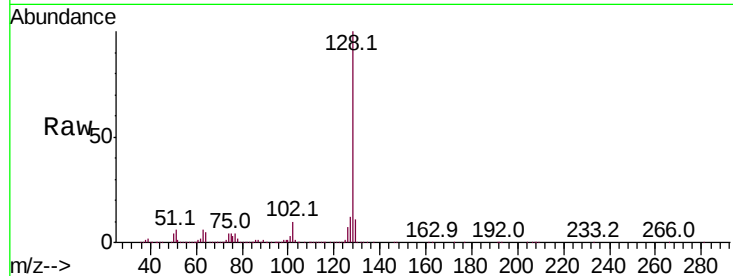
#95
Naphthalene
Concen: 19.543 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.8	10.5	15.7	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:16:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.865 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.4	47.6	142.9	
145	36.3	17.8	53.5	

