

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013219.D
 Acq On : 21 Sep 2019 07:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:25 AM

Quant Time: Sep 23 01:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	340239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	220727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146165	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.88	113	142592	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.32	98	595000	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	202412	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85346	43.486	ug/l	92
3) Chloromethane	2.21	50	109367	43.350	ug/l	100
4) Vinyl Chloride	2.36	62	147436	45.330	ug/l	99
5) Bromomethane	2.77	94	91130	44.212	ug/l	95
6) Chloroethane	2.91	64	86224	44.974	ug/l	98
7) Trichlorofluoromethane	3.25	101	83821	44.693	ug/l	97
8) Diethyl Ether	3.67	74	77497	48.376	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140743	46.094	ug/l	100
10) Methyl Iodide	4.26	142	220706	46.621	ug/l	100
11) Tert butyl alcohol	5.20	59	55123	276.846	ug/l	99
12) 1,1-Dichloroethene	4.04	96	146356	46.287	ug/l	98
13) Acrolein	3.89	56	38768	242.527	ug/l	99
14) Allyl chloride	4.67	41	233905	46.482	ug/l	98
15) Acrylonitrile	5.37	53	178002	257.437	ug/l	98
16) Acetone	4.13	43	128339	204.945	ug/l	94
17) Carbon Disulfide	4.38	76	411492	45.026	ug/l	100
18) Methyl Acetate	4.67	43	95578	54.297	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	241158	49.765	ug/l	96
20) Methylene Chloride	4.91	84	152424	47.445	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160401	46.936	ug/l	96
22) Diisopropyl ether	6.31	45	463388	48.425	ug/l	99
23) Vinyl Acetate	6.25	43	1348067	237.465	ug/l	100
24) 1,1-Dichloroethane	6.21	63	274013	47.454	ug/l	99
25) 2-Butanone	7.17	43	225415	239.792	ug/l	93
26) 2,2-Dichloropropane	7.16	77	140082	39.871	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	172274	47.767	ug/l	98
28) Bromochloromethane	7.51	49	124768	56.299	ug/l	99
29) Tetrahydrofuran	7.53	42	152395	264.346	ug/l	100
30) Chloroform	7.67	83	264247	46.742	ug/l	97
31) Cyclohexane	7.95	56	273472	45.434	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	214137	46.768	ug/l	99
36) 1,1-Dichloropropene	8.08	75	225701	46.593	ug/l	98
37) Ethyl Acetate	7.25	43	104806	50.907	ug/l	99
38) Carbon Tetrachloride	8.07	117	200000	46.057	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	289796	46.552	ug/l	98
40) Benzene	8.32	78	629637	46.599	ug/l	99
41) Methacrylonitrile	7.48	41	68344	55.622	ug/l	91
42) 1,2-Dichloroethane	8.40	62	171293	47.159	ug/l	100
43) Isopropyl Acetate	8.42	43	193288	48.986	ug/l	98
44) Trichloroethene	9.09	130	173755	45.834	ug/l	99
45) 1,2-Dichloropropane	9.37	63	152719	46.296	ug/l	99
46) Dibromomethane	9.46	93	76315	47.651	ug/l	99
47) Bromodichloromethane	9.64	83	186036	45.651	ug/l	97
48) Methyl methacrylate	9.43	41	98435	53.053	ug/l	95
49) 1,4-Dioxane	9.46	88	25720	1069.872	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	503623	254.598	ug/l	99
52) Toluene	10.38	92	406417	46.933	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	191351	45.703	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	230566	45.292	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	115111	48.087	ug/l	98
56) Ethyl methacrylate	10.65	69	160467	51.221	ug/l	100
57) 1,3-Dichloropropane	10.93	76	200940	48.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	383388	264.346	ug/l	100
59) 2-Hexanone	10.97	43	340857	250.458	ug/l	100
60) Dibromochloromethane	11.13	129	131680	48.445	ug/l	99
61) 1,2-Dibromoethane	11.24	107	109877	48.276	ug/l	99
64) Tetrachloroethene	10.86	164	170991	51.658	ug/l	96
65) Chlorobenzene	11.66	112	418020	45.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	146202	46.976	ug/l	98
67) Ethyl Benzene	11.73	91	767836	46.517	ug/l	99
68) m/p-Xylenes	11.84	106	591089	93.973	ug/l	99
69) o-Xylene	12.16	106	272242	46.553	ug/l	100
70) Styrene	12.18	104	478677	47.678	ug/l	99
71) Bromoform	12.35	173	79534	48.372	ug/l	99
73) Isopropylbenzene	12.46	105	763431	46.821	ug/l	99
74) N-amyl acetate	12.27	43	179824	49.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130727	47.939	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	84426m	43.311	ug/l	
77) Bromobenzene	12.74	156	177212	45.864	ug/l	96
78) n-propylbenzene	12.80	91	886822	46.465	ug/l	100
79) 2-Chlorotoluene	12.89	91	493293	46.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	634860	46.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39322	45.265	ug/l	97
82) 4-Chlorotoluene	12.99	91	518198	45.957	ug/l	99
83) tert-Butylbenzene	13.21	119	563654	46.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	633003	46.411	ug/l	99
85) sec-Butylbenzene	13.38	105	775182	46.738	ug/l	100
86) p-Isopropyltoluene	13.50	119	714555	46.449	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	342402	46.044	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	335423	45.991	ug/l	99
89) n-Butylbenzene	13.82	91	647407	46.090	ug/l	100
90) Hexachloroethane	14.09	117	118509	45.857	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	304254	47.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20722	49.681	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	216794	47.027	ug/l	99
94) Hexachlorobutadiene	15.24	225	141706	44.930	ug/l	97
95) Naphthalene	15.36	128	393415	52.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	190211	47.751	ug/l	99

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

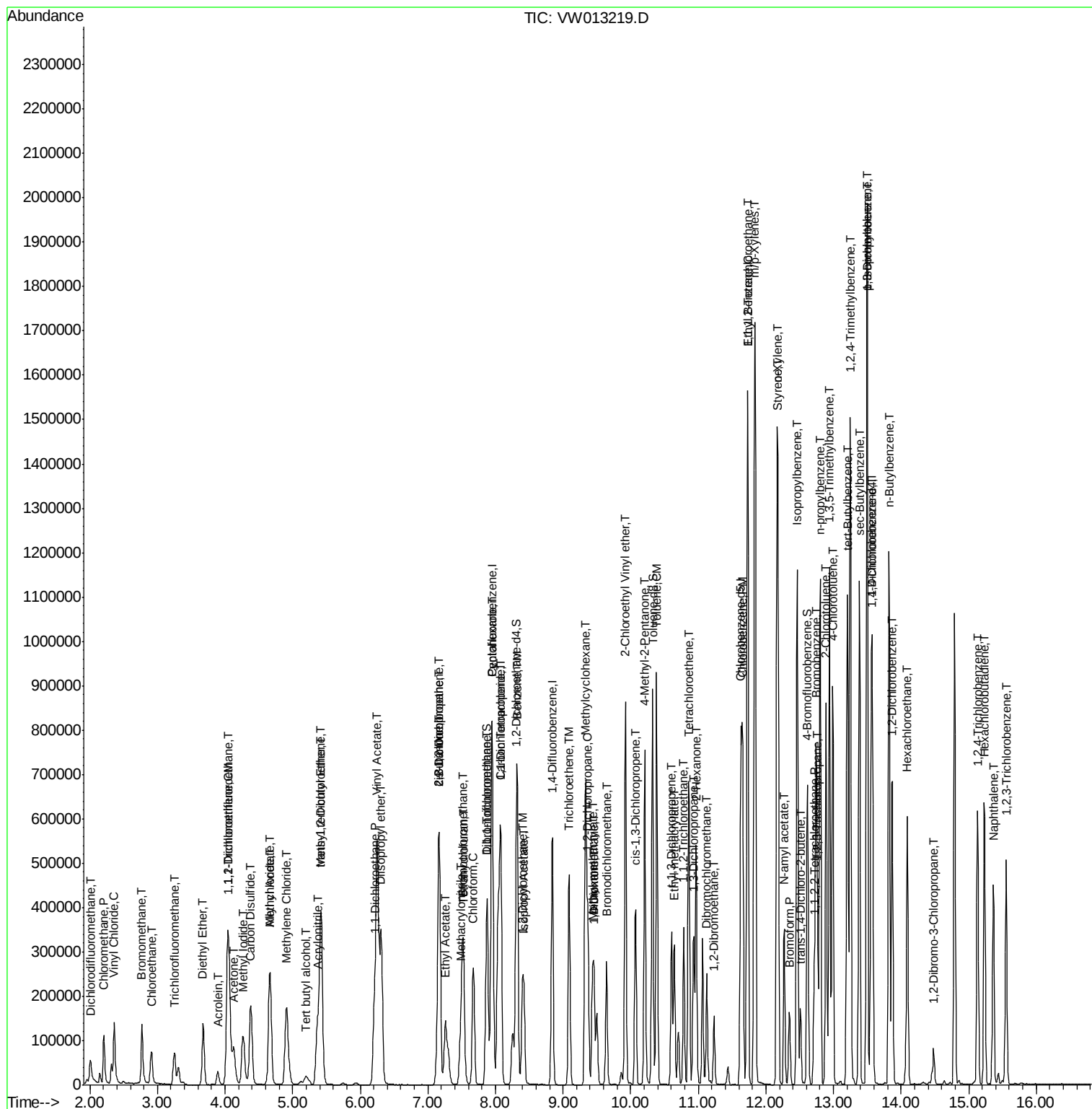
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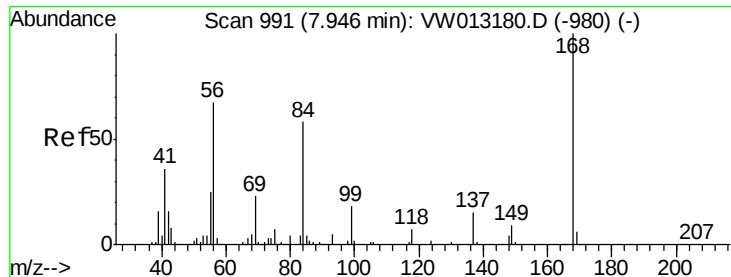
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 340239

Ion Ratio Lower Upper

168 100

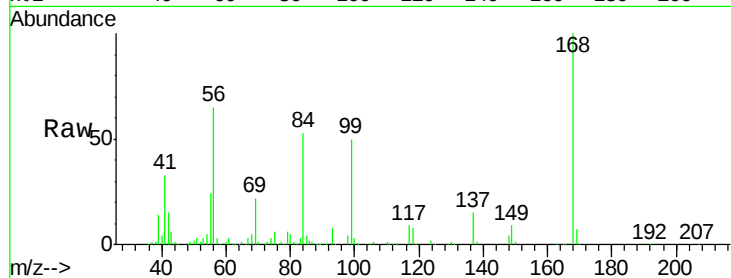
99 50.0 40.2 60.4

Manual Integrations

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9/24/2019 5:29:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

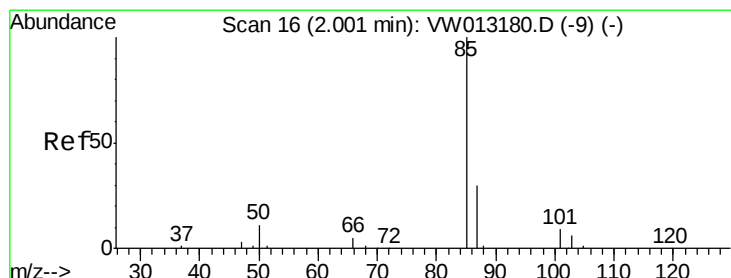
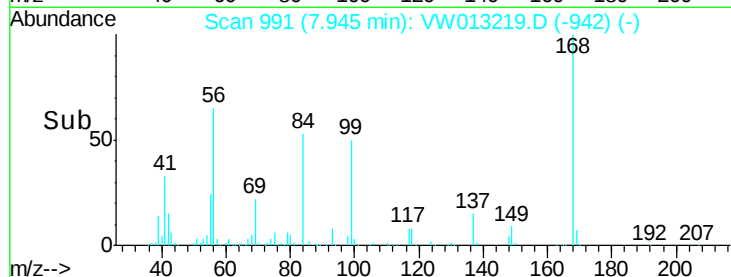
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.486 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013219.D

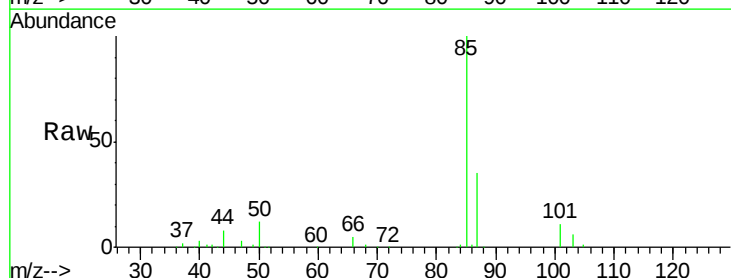
Acq: 21 Sep 2019 07:48

Tgt Ion: 85 Resp: 85346

Ion Ratio Lower Upper

85 100

87 34.7 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

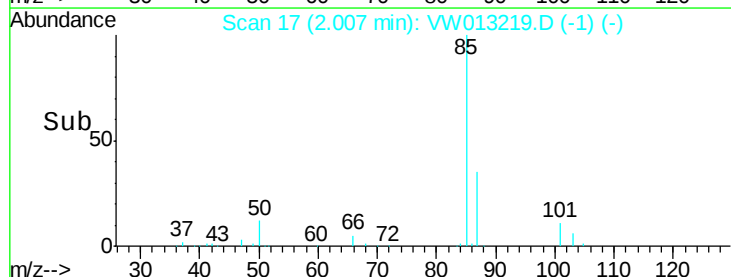
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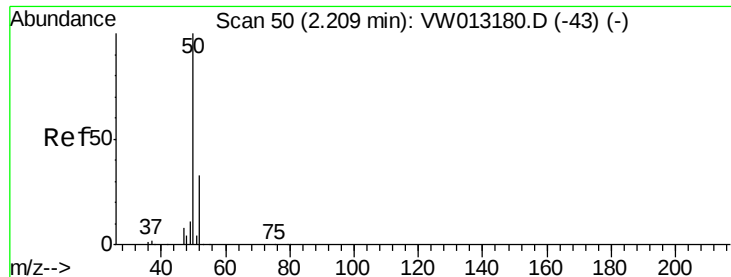
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.350 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 109367

Ion Ratio Lower Upper

50 100

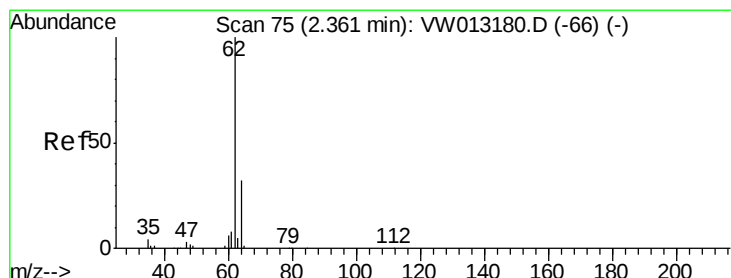
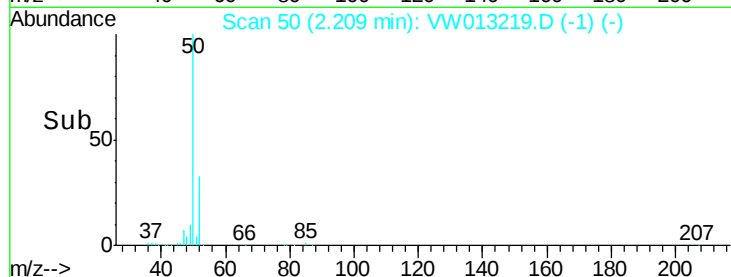
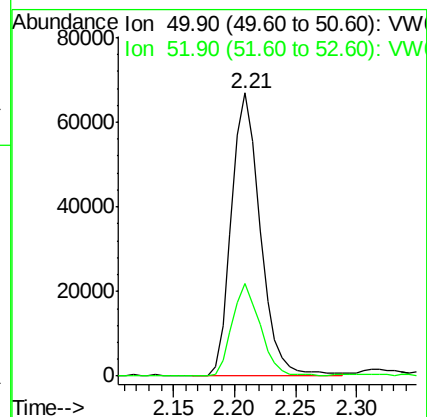
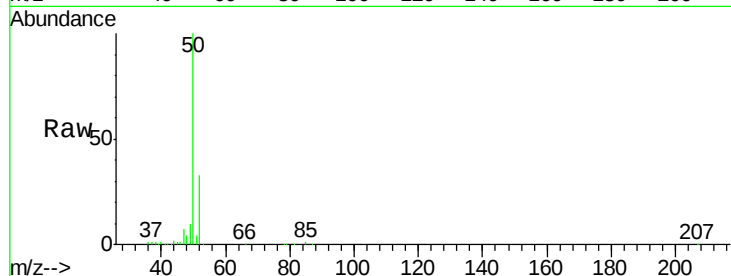
52 32.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.330 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013219.D

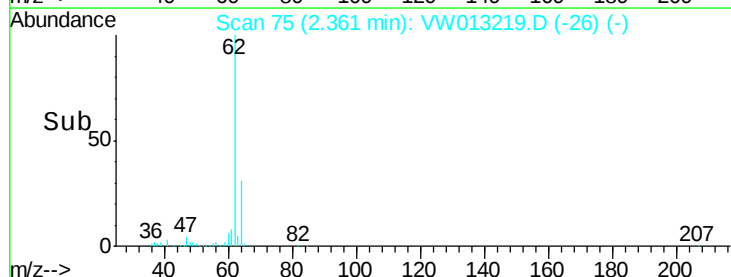
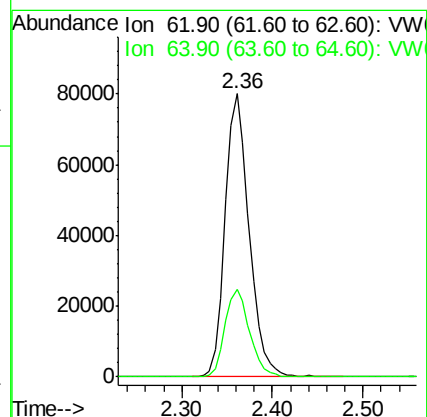
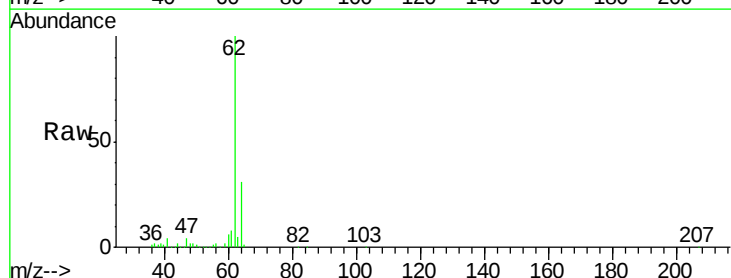
Acq: 21 Sep 2019 07:48

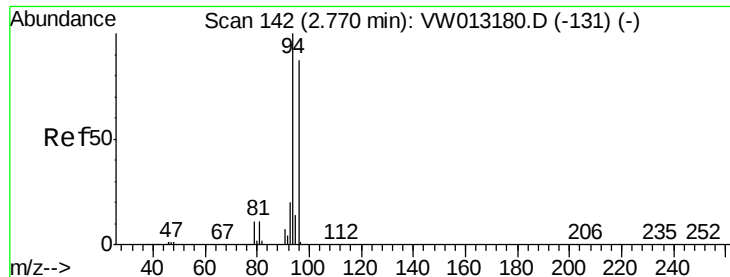
Tgt Ion: 62 Resp: 147436

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 44.212 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91130

Ion Ratio Lower Upper

94 100

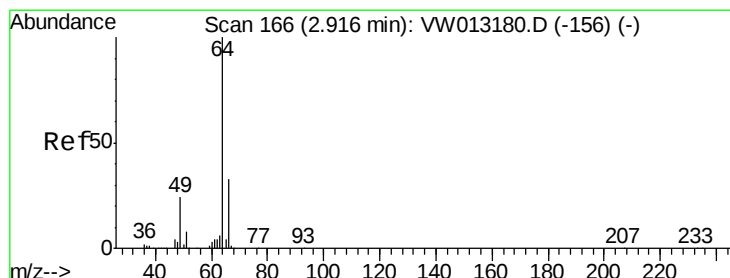
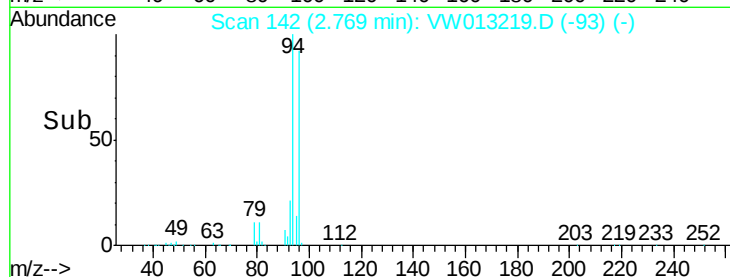
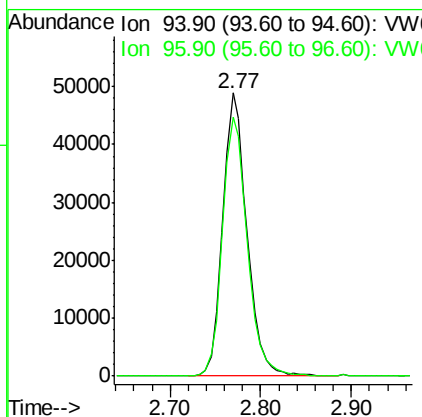
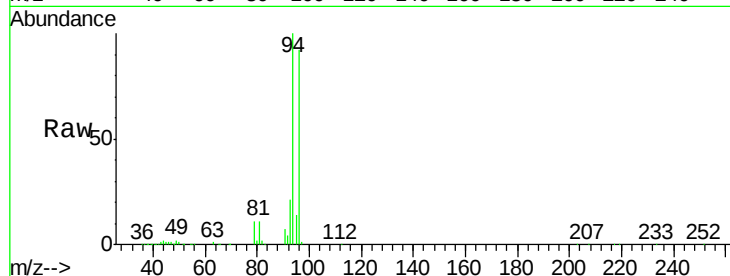
96 91.6 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 44.974 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013219.D

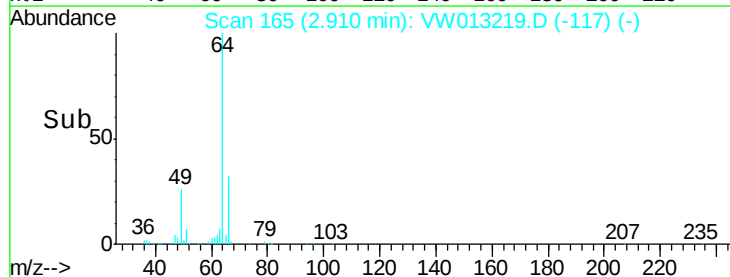
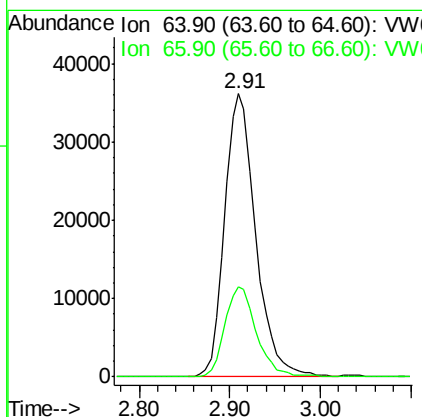
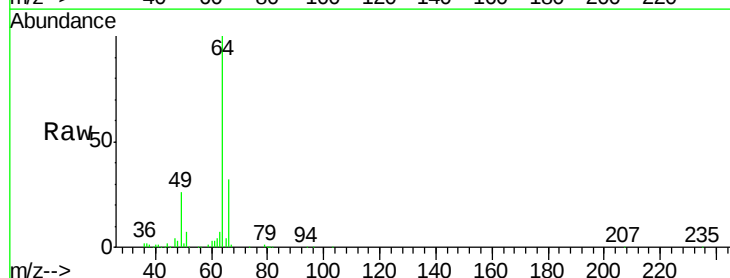
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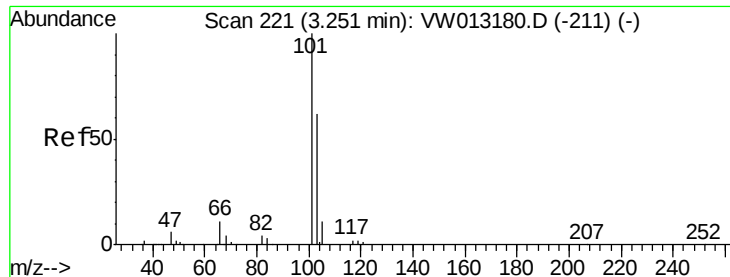
Tgt Ion: 64 Resp: 86224

Ion Ratio Lower Upper

64 100

66 31.9 26.6 39.8





#7

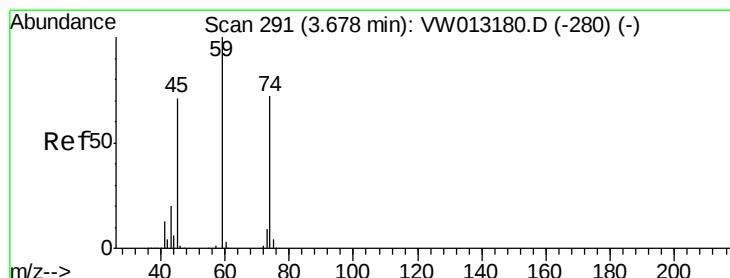
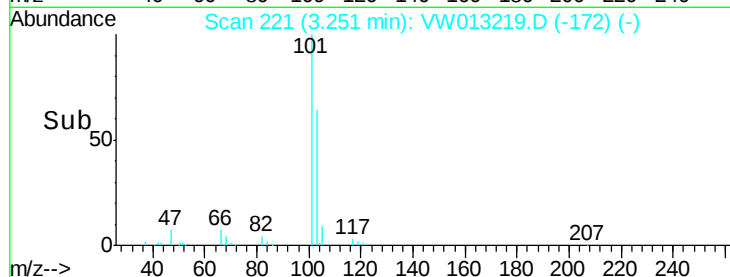
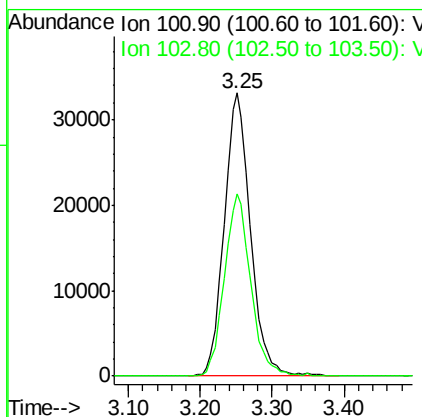
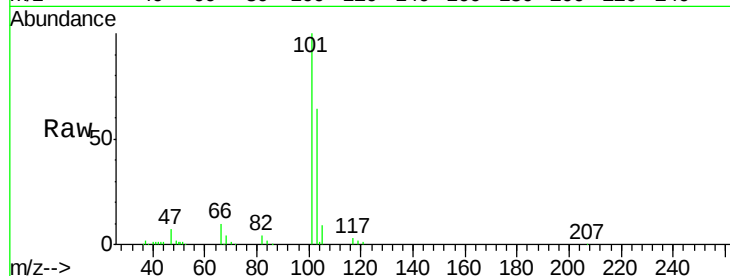
Trichlorofluoromethane
 Concen: 44.693 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	49.7	74.5

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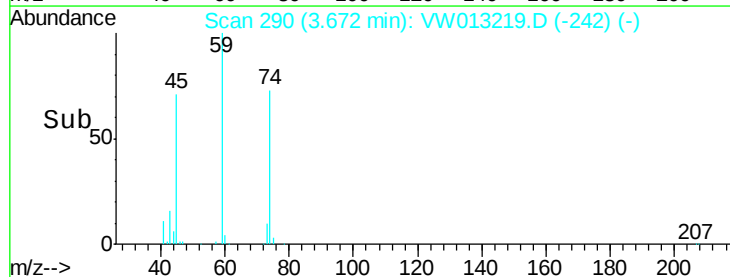
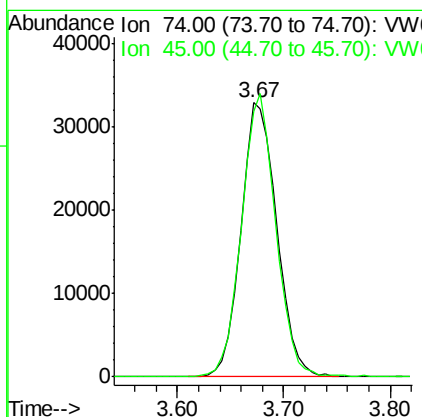
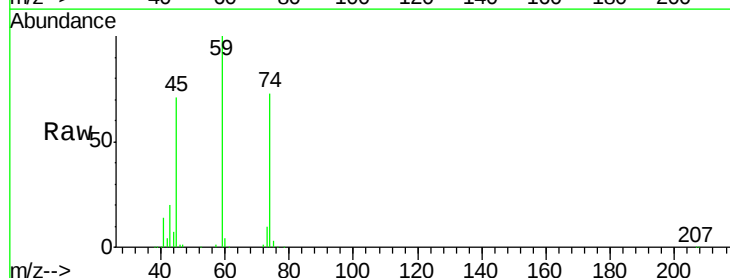
MMDadoda
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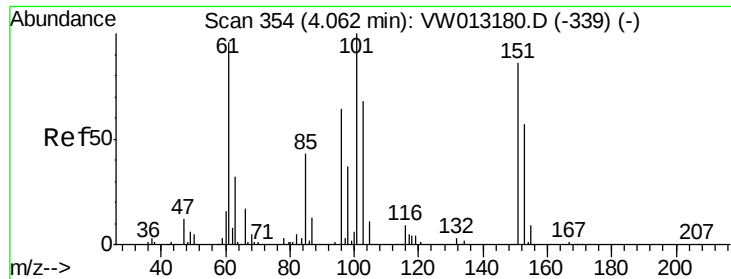


#8

Diethyl Ether
 Concen: 48.376 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.094 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013219.D

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MSVOA_W

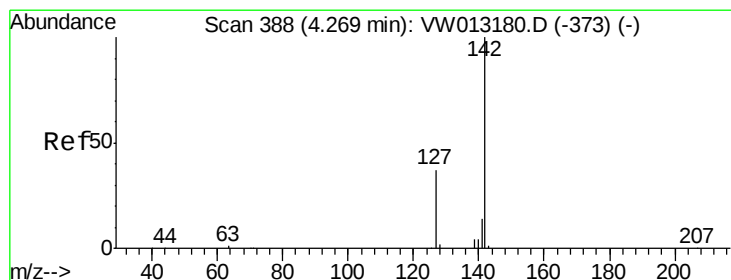
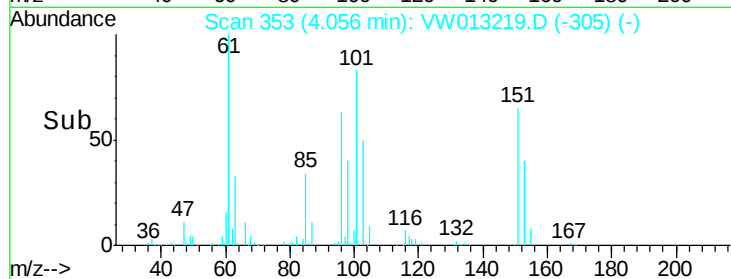
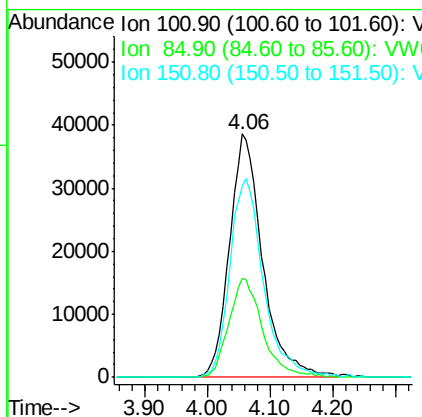
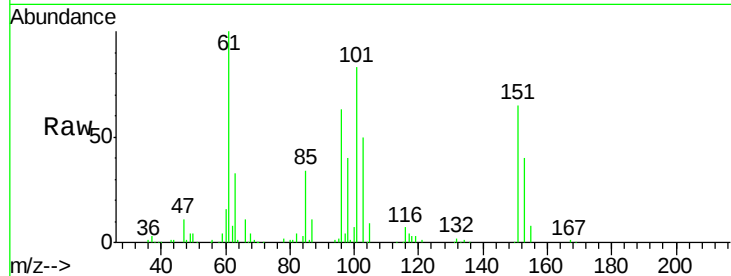
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140743
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.0
151	83.2	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.621 ug/l

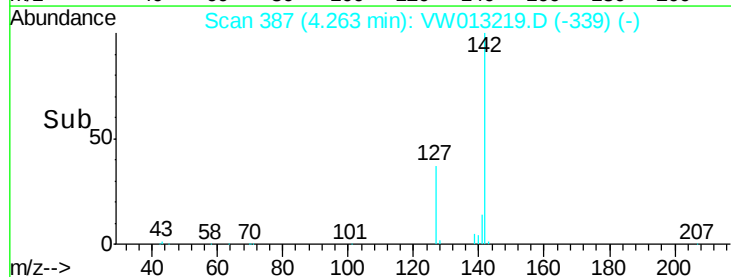
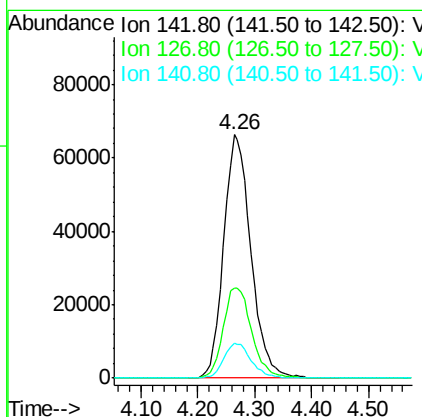
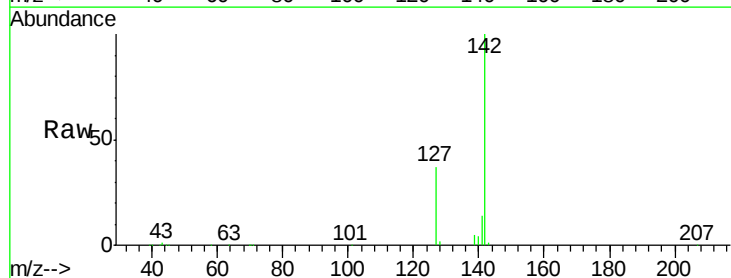
RT: 4.26 min Scan# 387

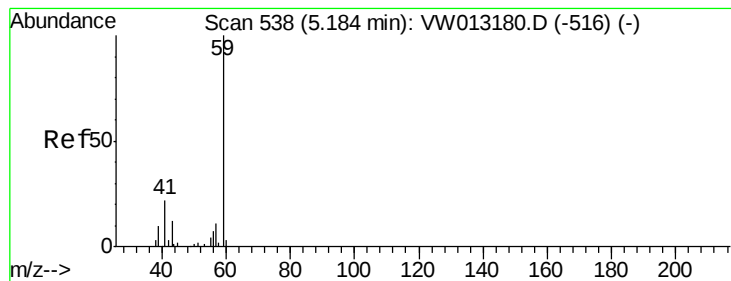
Delta R.T. -0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	142	Resp:	220706
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.9	46.3
141	14.4	11.7	17.5





#11

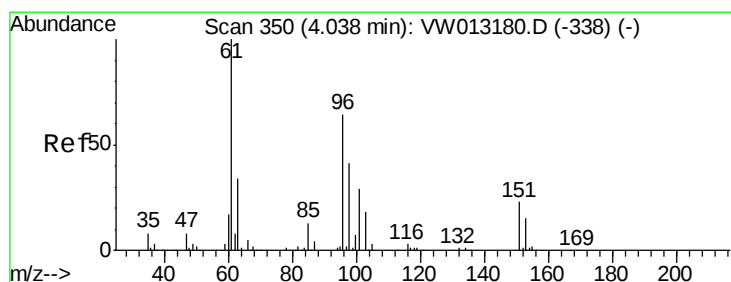
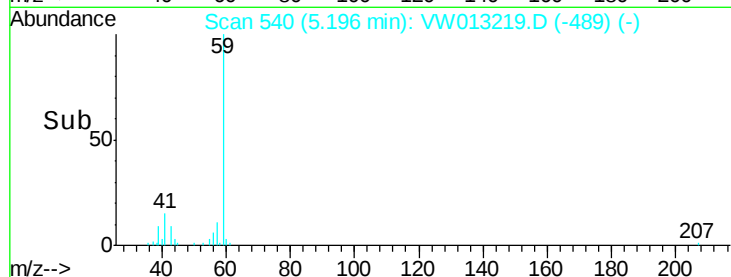
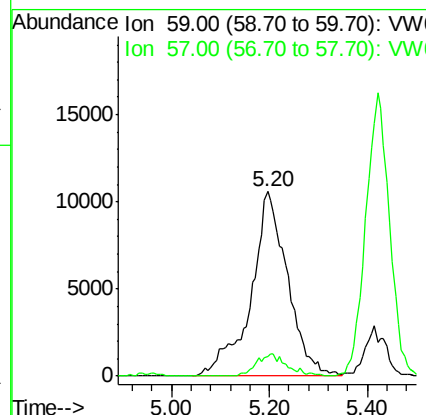
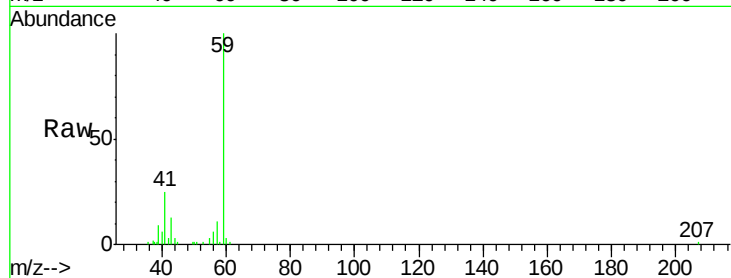
Tert butyl alcohol
Concen: 276.846 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	55123		
57	9.7		8.2	12.2

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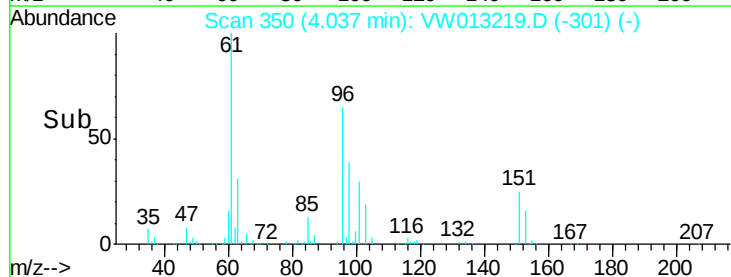
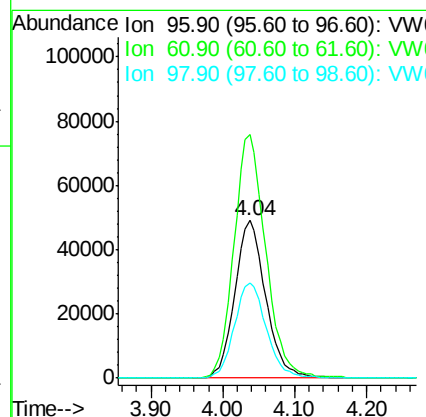
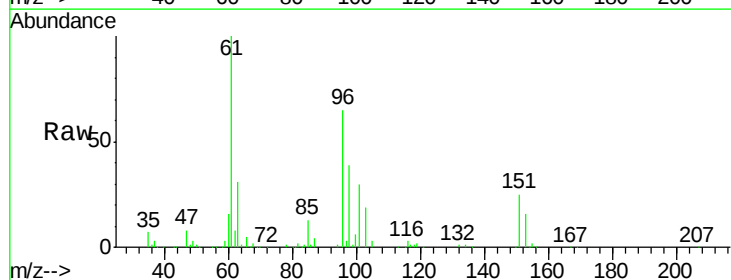
MMDadoda
9/24/2019 5:29:25 AM

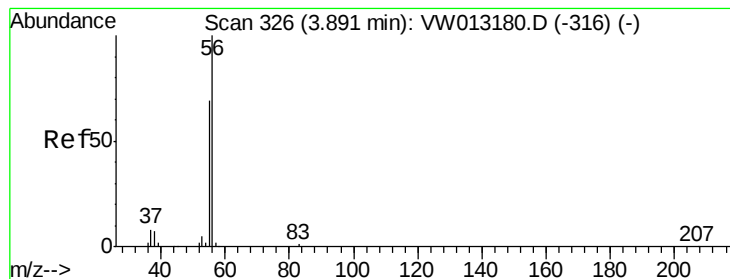


#12

1,1-Dichloroethene
Concen: 46.287 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	146356		
61	154.8		125.1	187.7
98	60.7		50.8	76.2





#13

Acrolein

Concen: 242.527 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38768

Ion Ratio Lower Upper

56 100

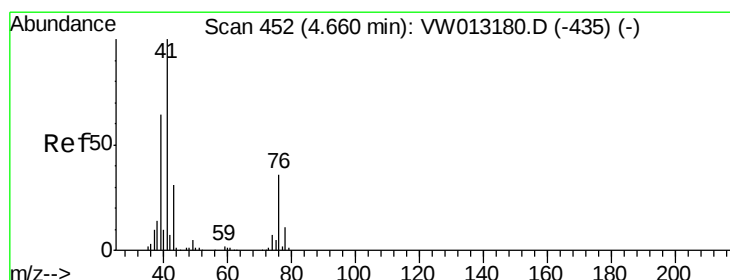
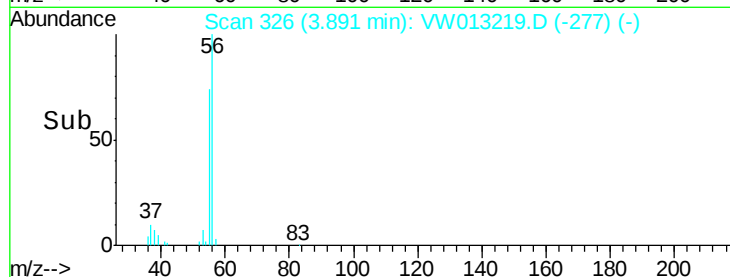
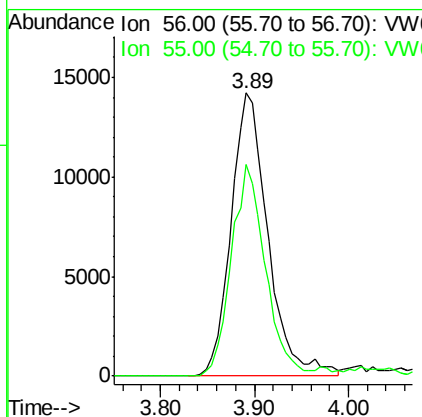
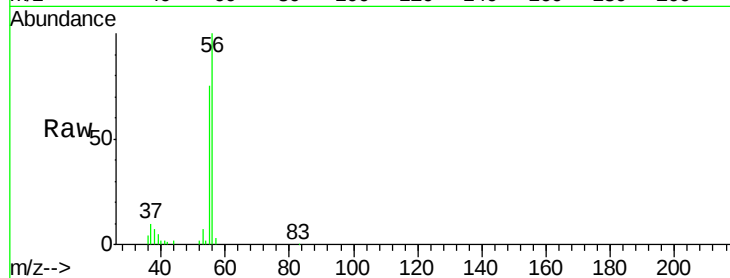
55 68.8 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 46.482 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

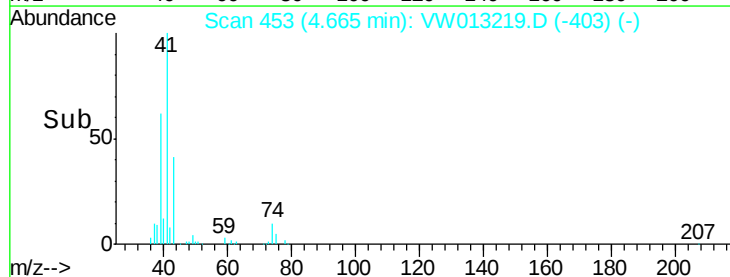
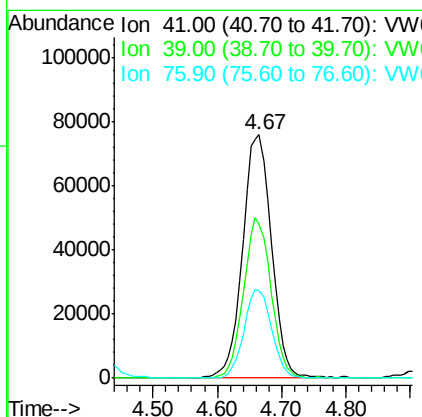
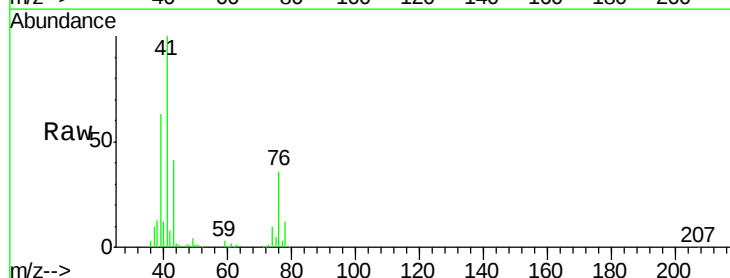
Tgt Ion: 41 Resp: 233905

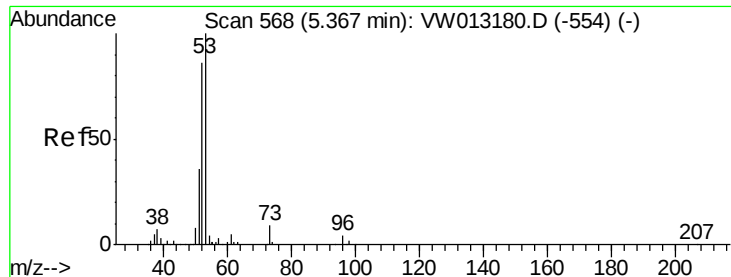
Ion Ratio Lower Upper

41 100

39 62.3 51.0 76.4

76 34.7 28.4 42.6





#15

Acrylonitrile

Concen: 257.437 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

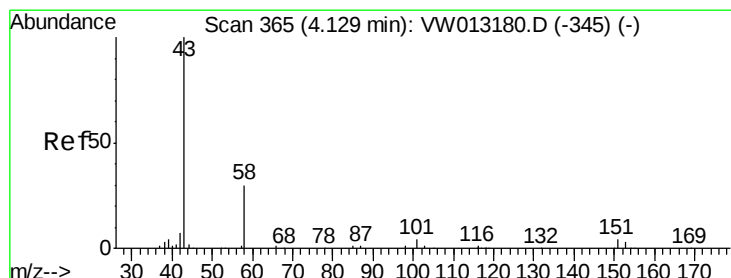
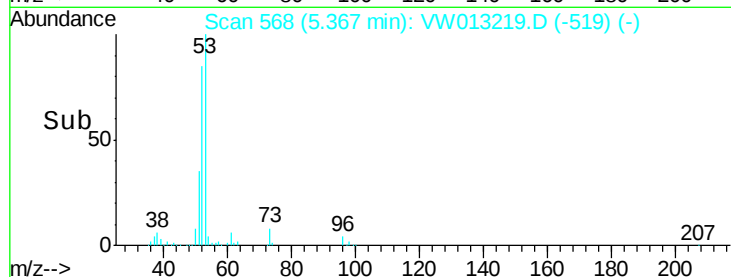
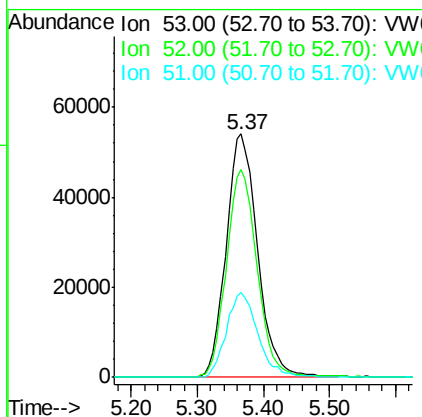
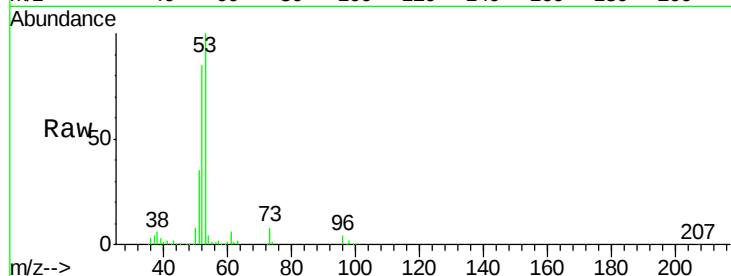
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	178002
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.3	97.9
51	35.1	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 204.945 ug/l

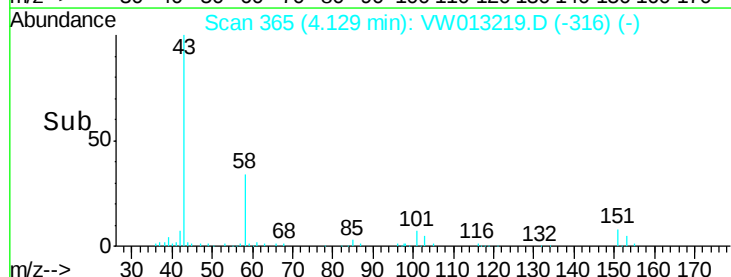
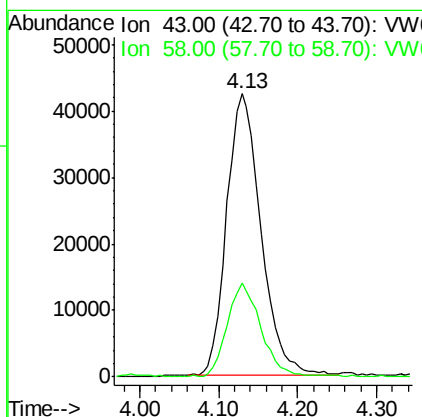
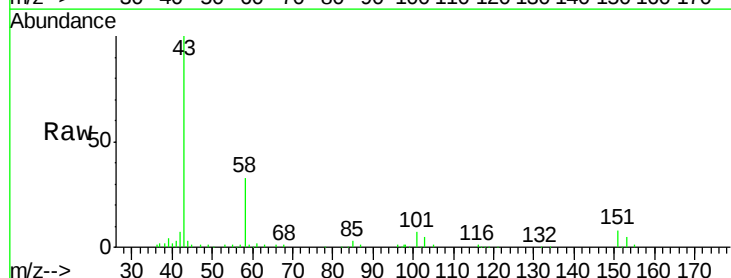
RT: 4.13 min Scan# 365

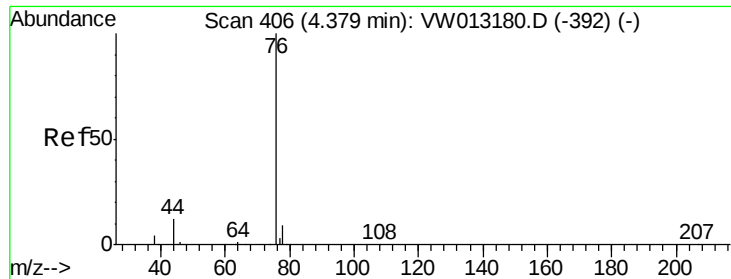
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	43	Resp:	128339
Ion Ratio	Lower	Upper	
43	100		
58	33.2	24.1	36.1





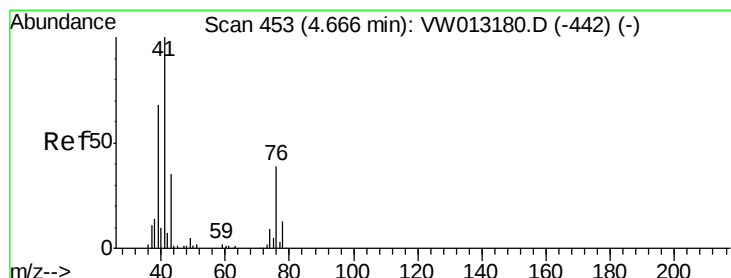
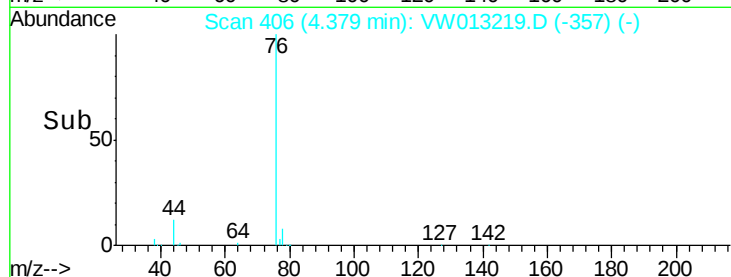
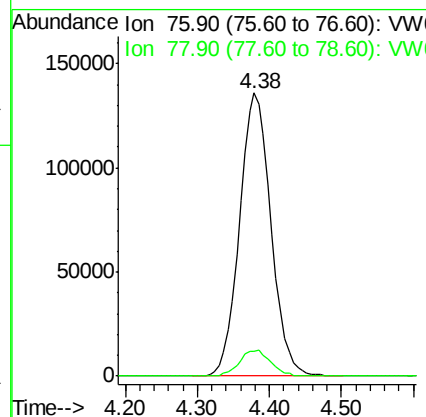
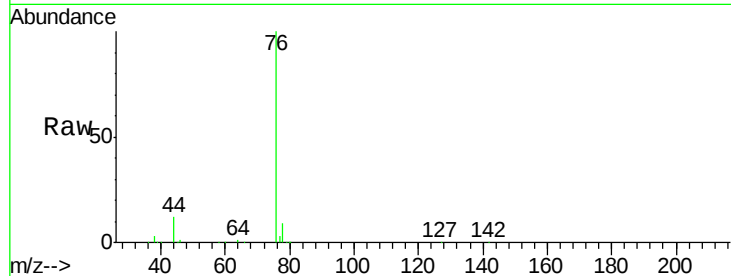
#17
Carbon Disulfide
Concen: 45.026 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

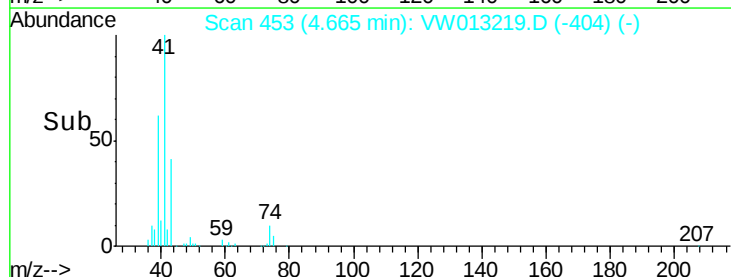
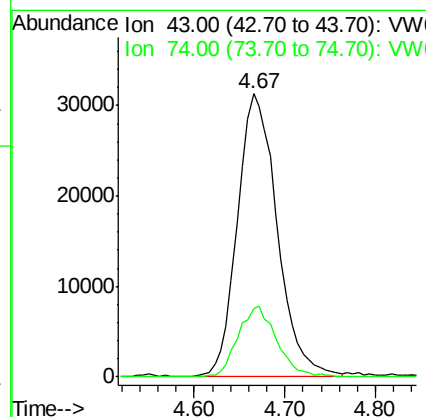
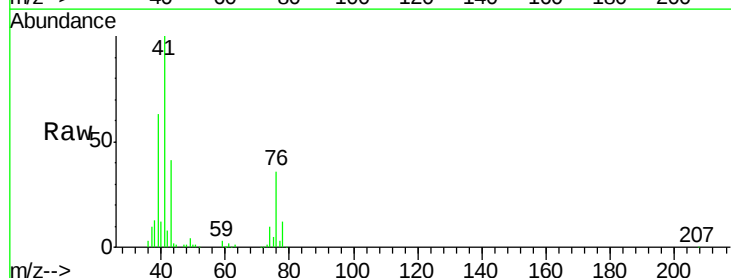
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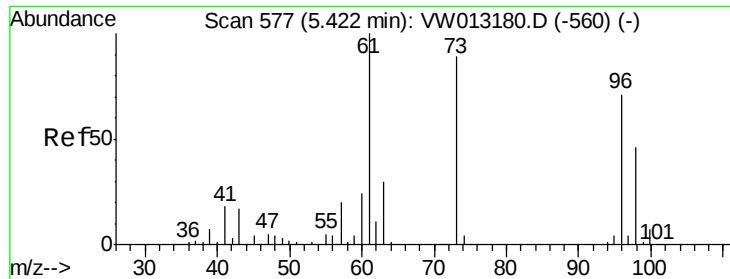
MMDadoda
9/24/2019 5:29:25 AM



#18
Methyl Acetate
Concen: 54.297 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.3	28.9





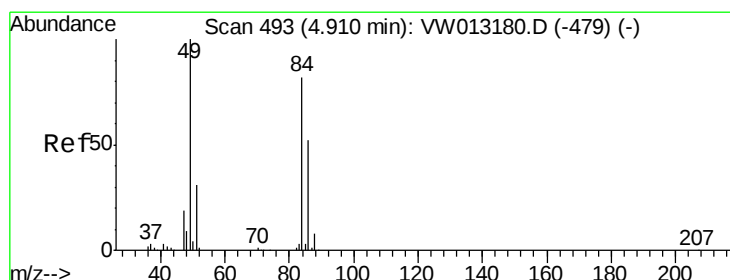
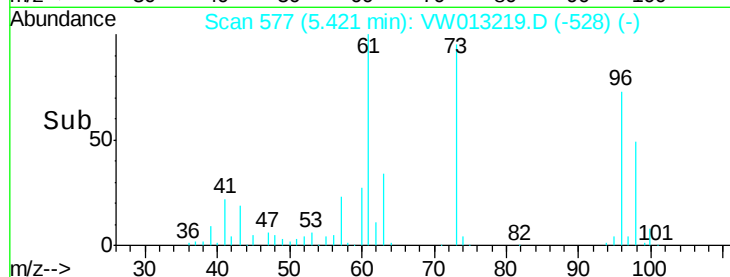
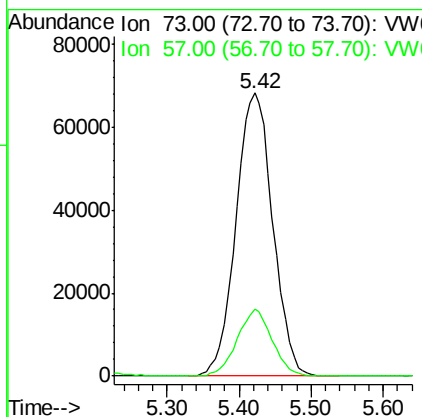
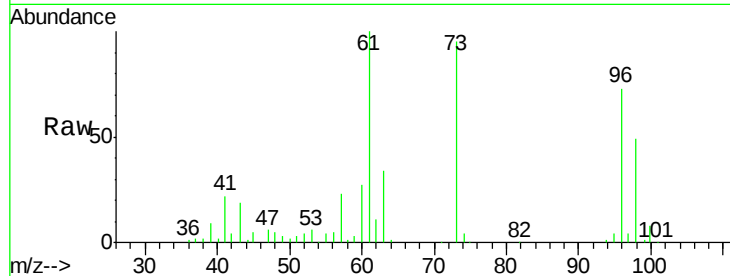
#19
Methvl tert-butvl Ether
Concen: 49.765 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 241158
Ion Ratio Lower Upper
73 100
57 23.8 17.6 26.4

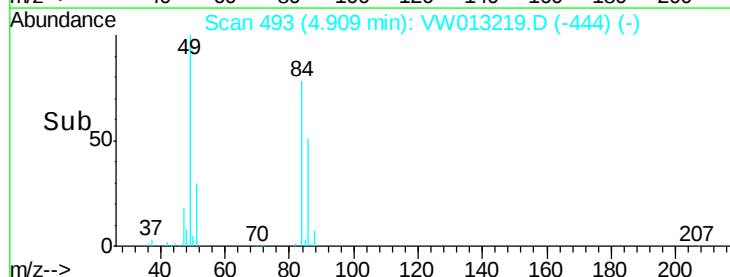
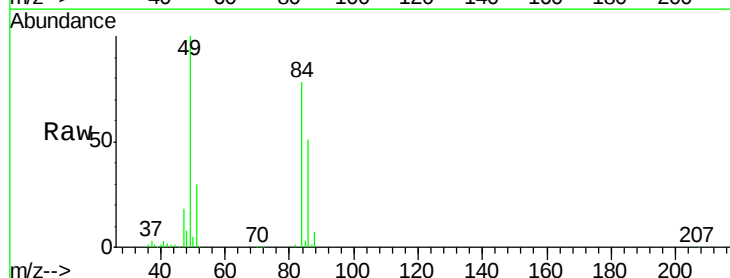
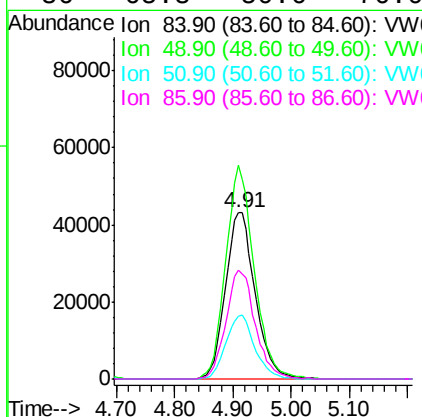
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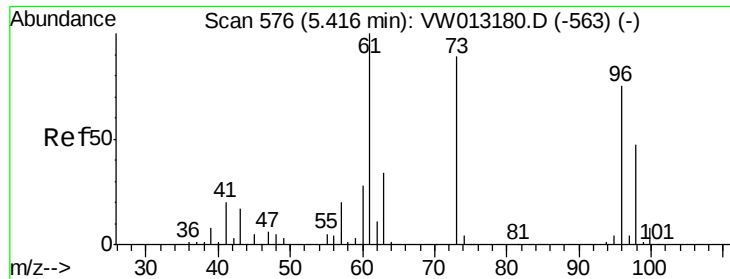
MMDadoda
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#20
Methylene Chloride
Concen: 47.445 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 84 Resp: 152424
Ion Ratio Lower Upper
84 100
49 128.7 97.6 146.4
51 38.2 30.2 45.2
86 65.8 50.6 76.0





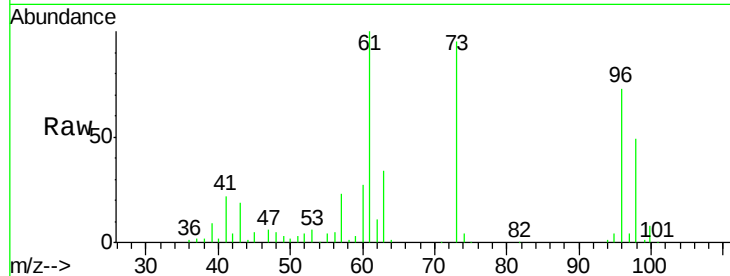
#21
trans-1,2-Dichloroethene
Concen: 46.936 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	106.6	159.8
98	66.4	49.8	74.8

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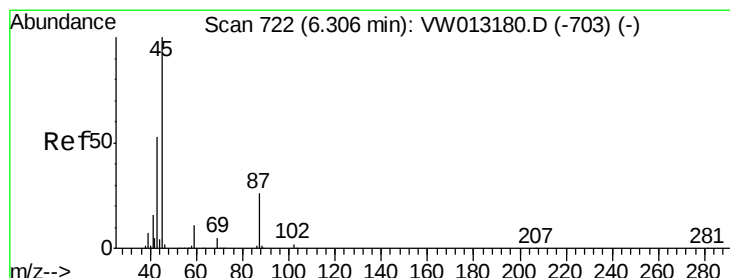
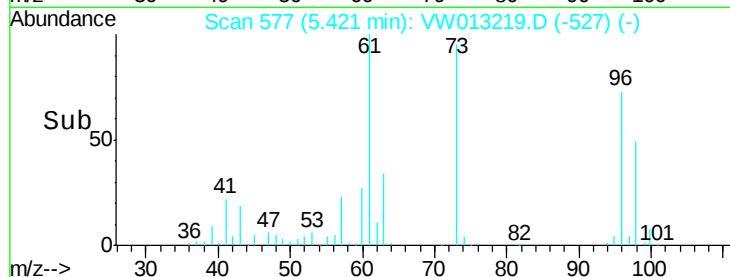
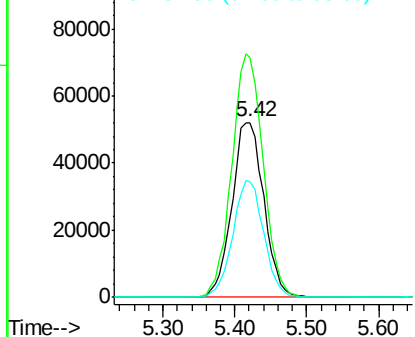


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22
Diisopropyl ether
Concen: 48.425 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.4	63.6
87	26.3	20.4	30.6
59	11.7	8.8	13.2

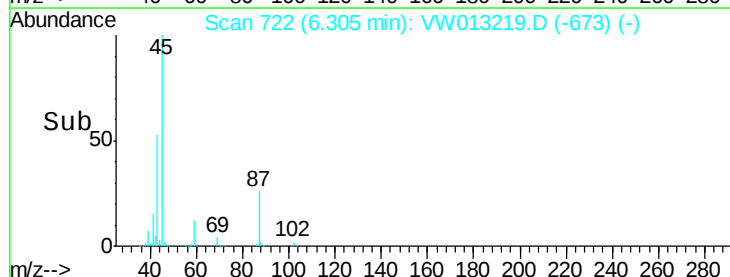
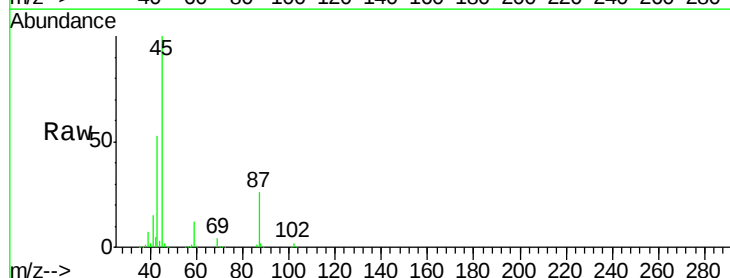
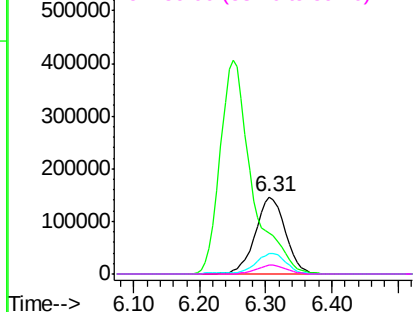
Abundance

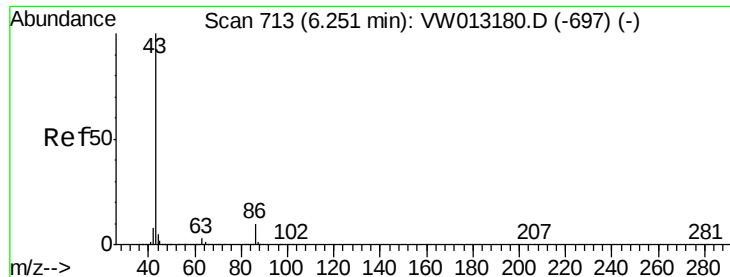
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





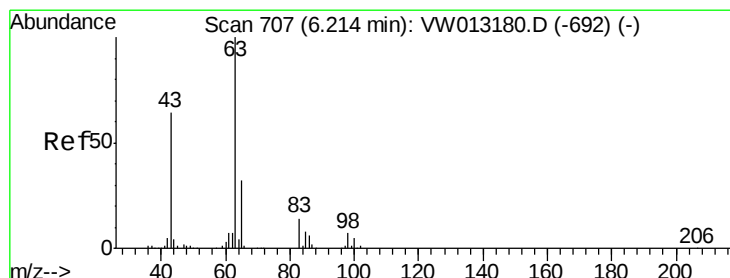
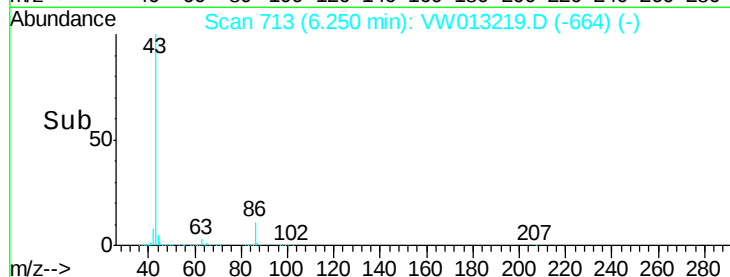
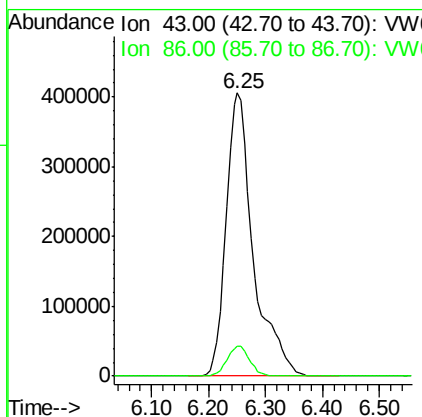
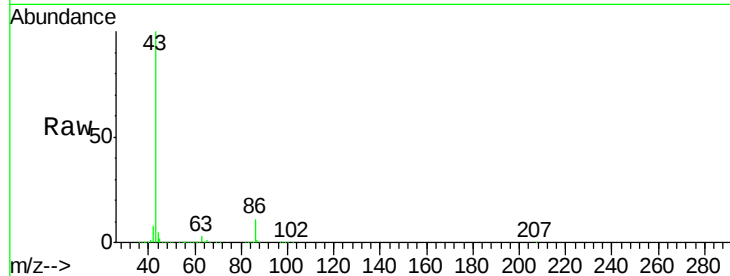
#23
 Vinyl Acetate
 Concen: 237.465 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1348067
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5

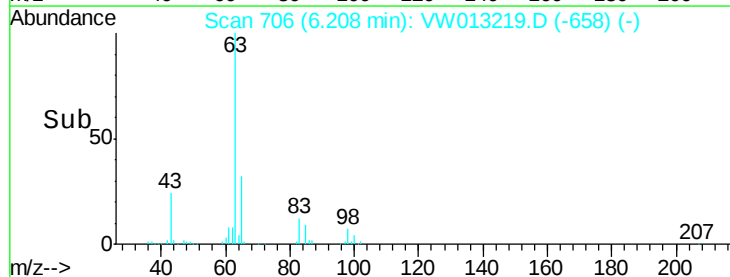
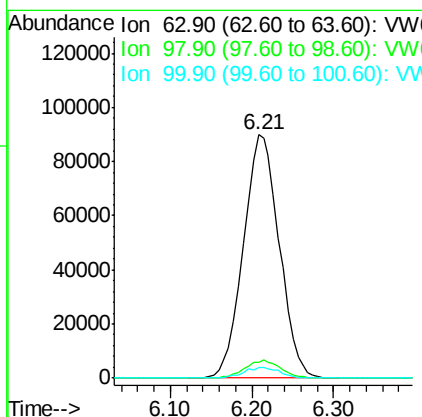
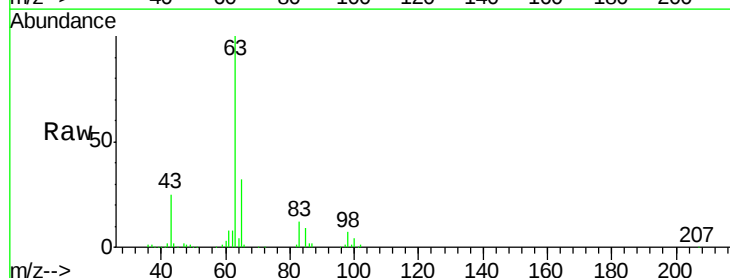
Manual Integrations
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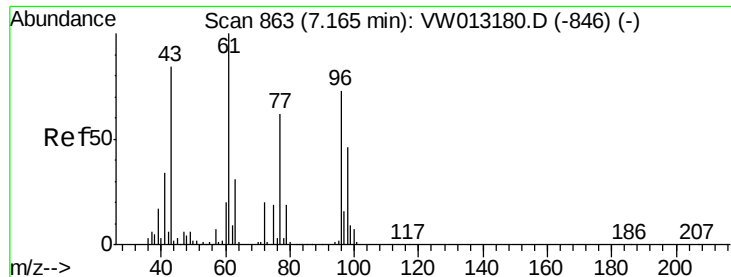
MMDadoda
 9/24/2019 5:29:25 AM



#24
 1,1-Dichloroethane
 Concen: 47.454 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 63 Resp: 274013
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 239.792 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 225415

Ion Ratio Lower Upper

43 100

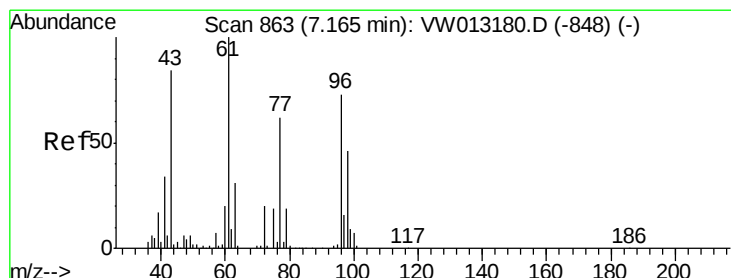
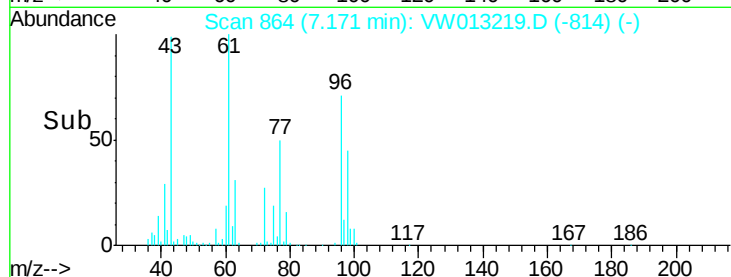
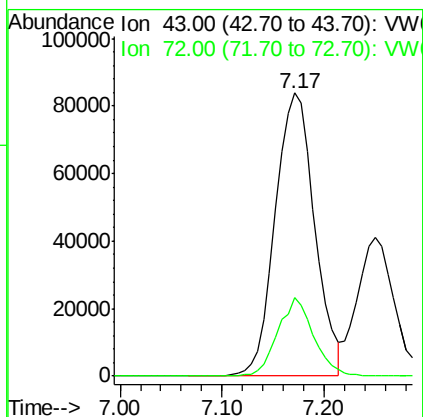
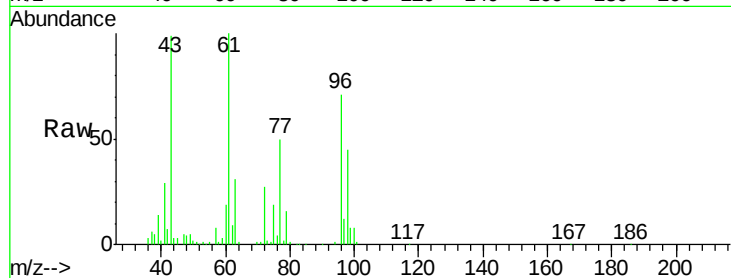
72 27.8 19.4 29.0

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#26

2,2-Dichloropropane

Concen: 39.871 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013219.D

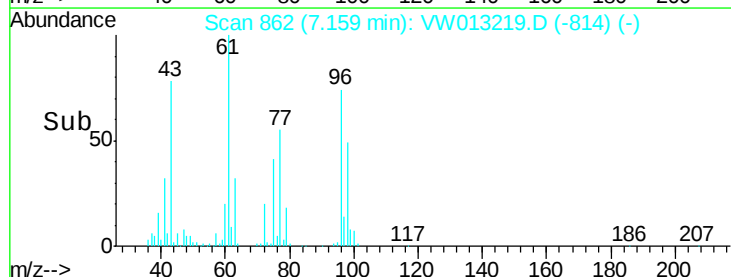
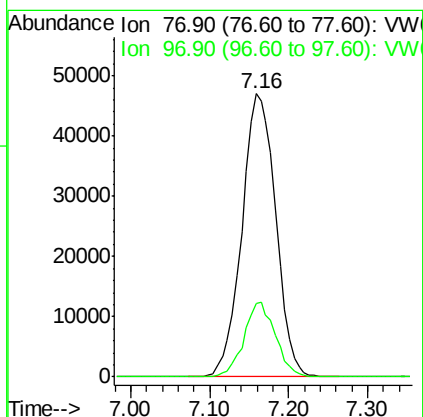
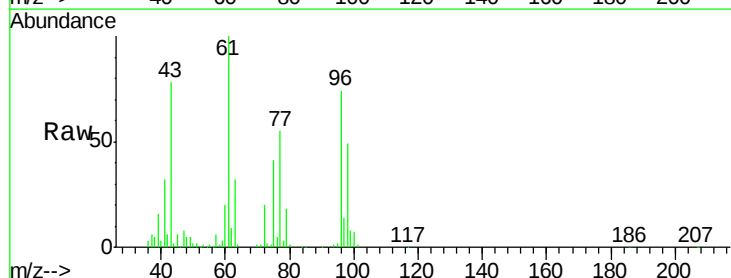
Acq: 21 Sep 2019 07:48

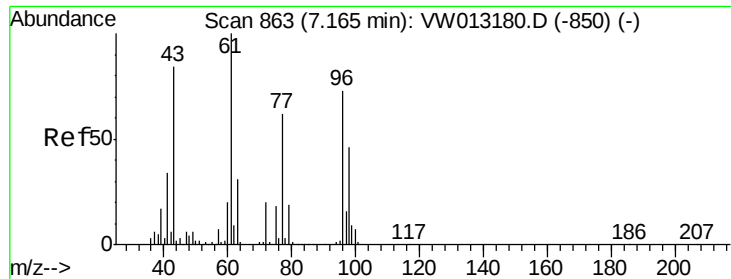
Tgt Ion: 77 Resp: 140082

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.4





#27

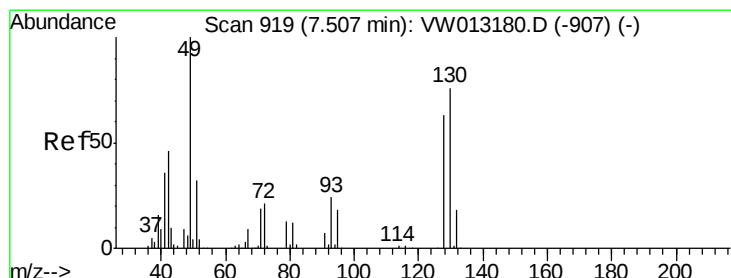
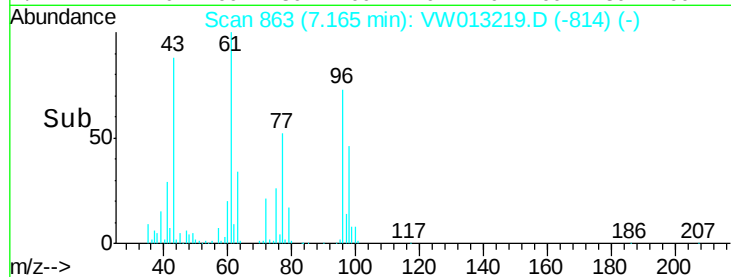
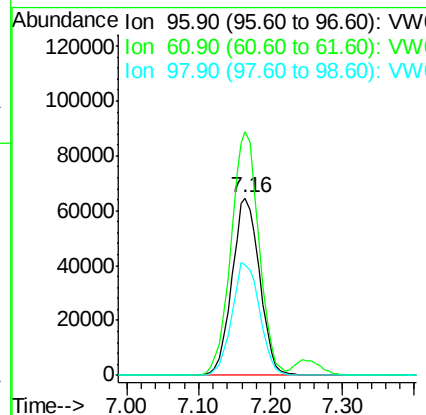
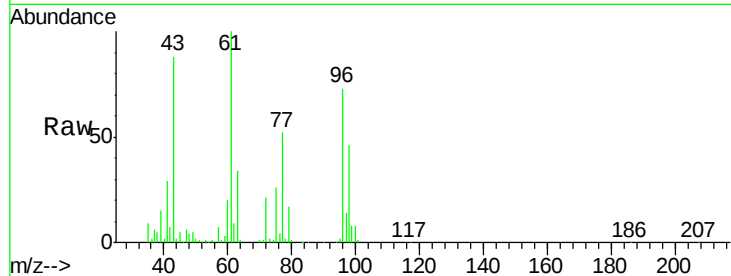
cis-1,2-Dichloroethene
Concen: 47.767 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	282.4
98	64.1	0.0	128.2

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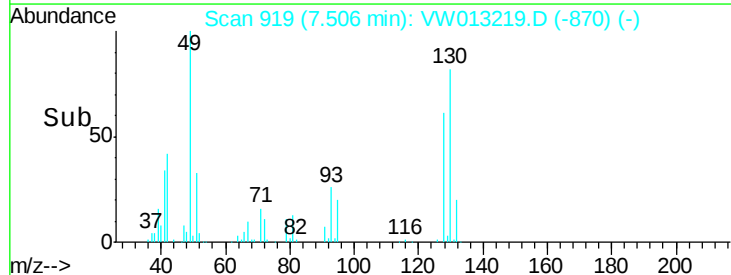
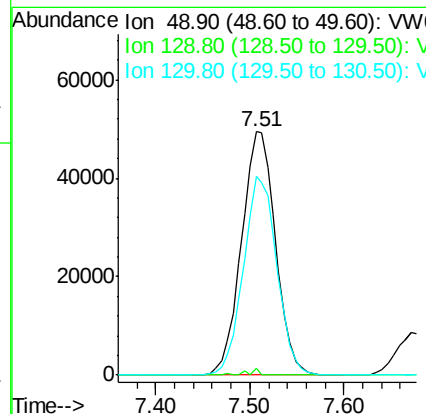
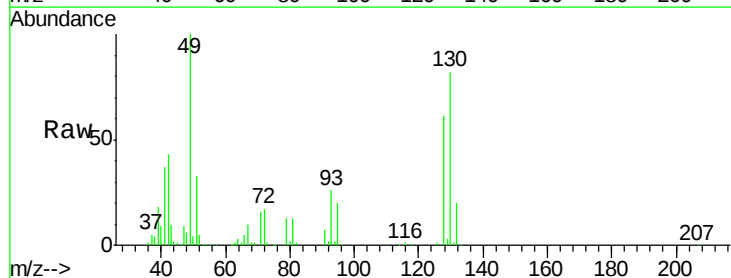
MMDadoda
9/24/2019 5:29:25 AM

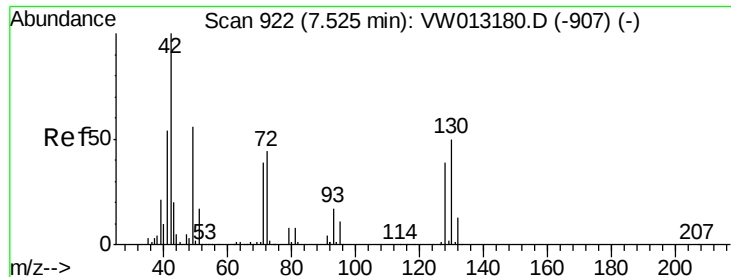


#28

Bromochloromethane
Concen: 56.299 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	80.4	63.4	95.2





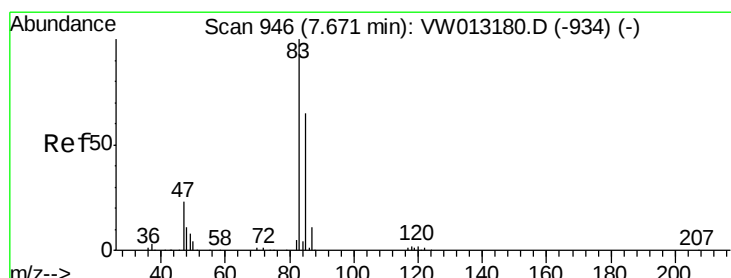
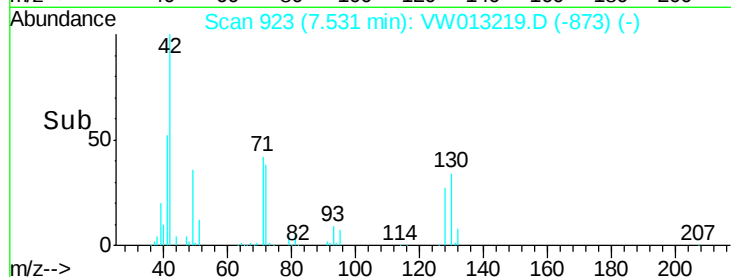
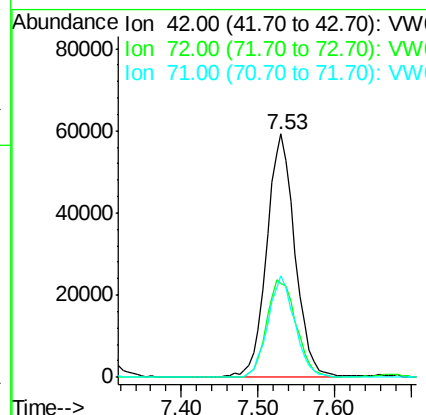
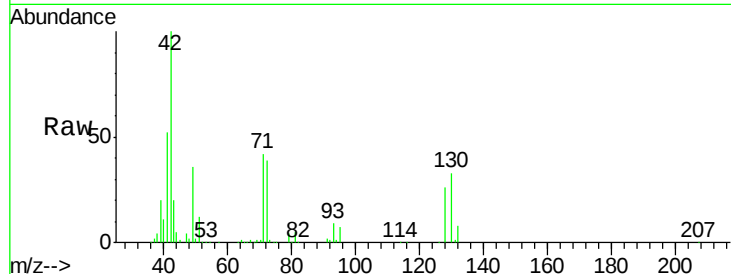
#29
Tetrahydrofuran
Concen: 264.346 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.9	50.9
71	40.0	31.9	47.9

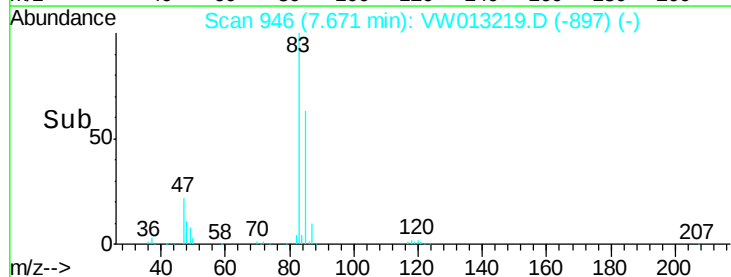
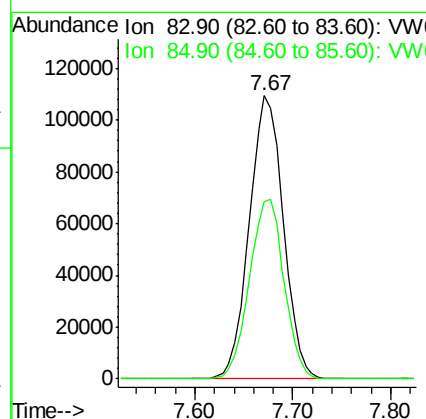
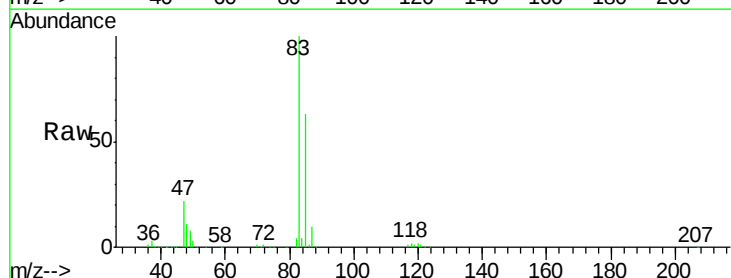
Manual Integrations
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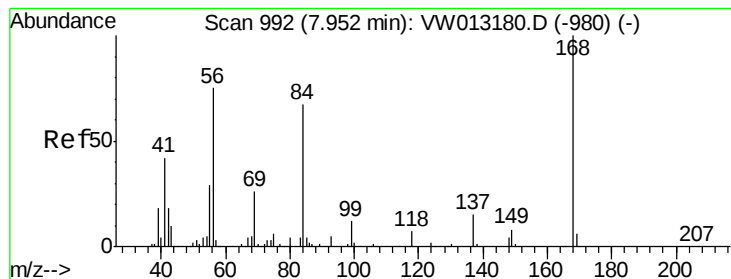
MMDadoda
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#30
Chloroform
Concen: 46.742 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.3	78.5





#31

Cyclohexane

Concen: 45.434 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

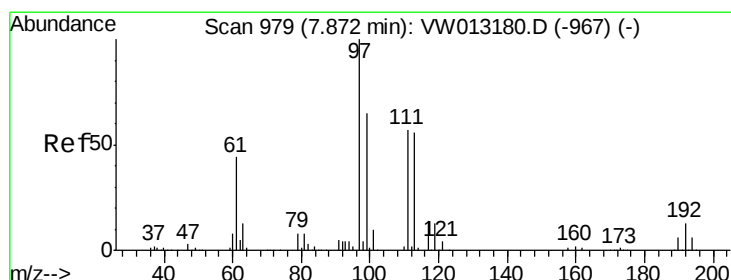
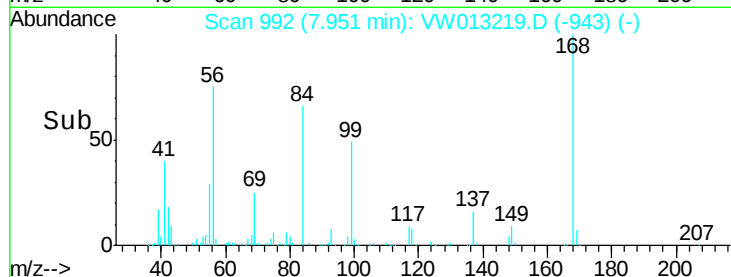
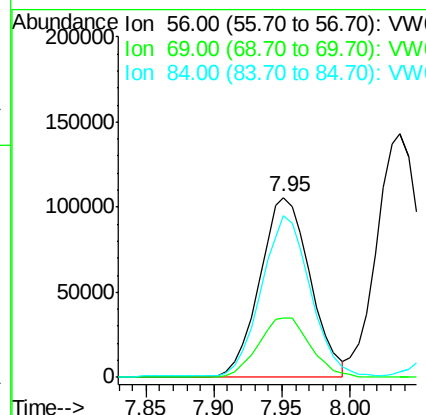
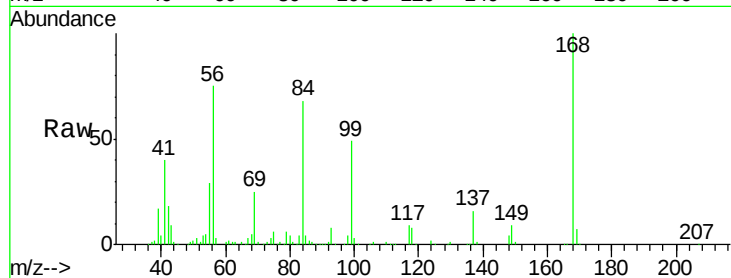
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	273472
Ion Ratio	Lower	Upper	
56	100		
69	33.1	27.2	40.8
84	89.2	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 46.768 ug/l

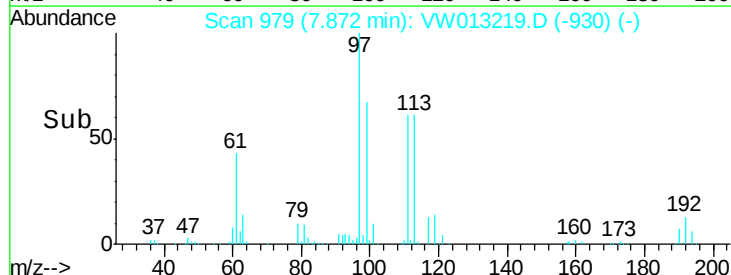
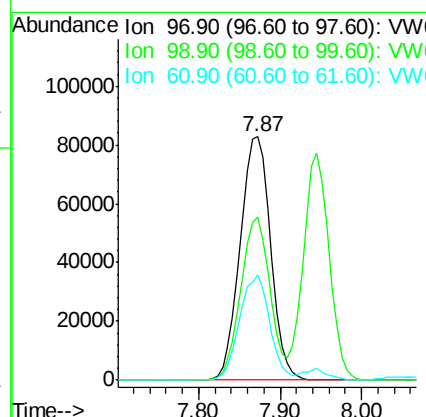
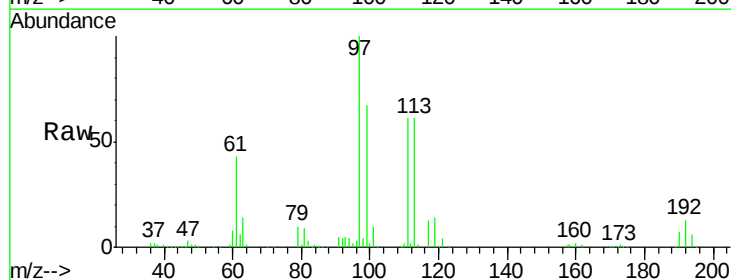
RT: 7.87 min Scan# 979

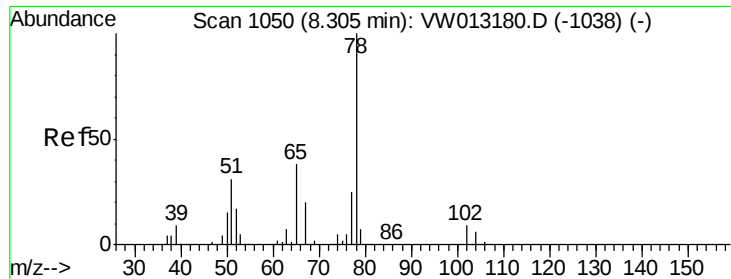
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	97	Resp:	214137
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.7	77.5
61	42.6	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 52.637 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 146165

Ion Ratio Lower Upper

65 100

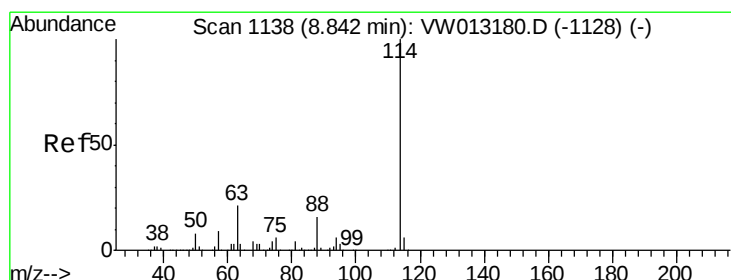
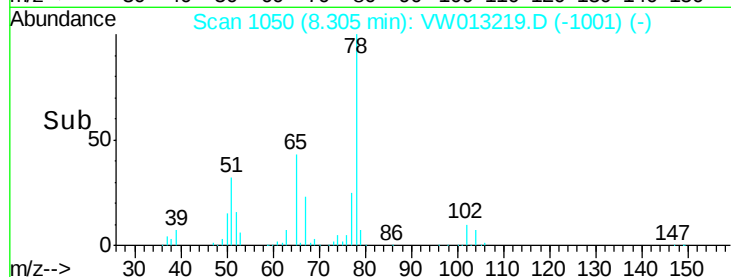
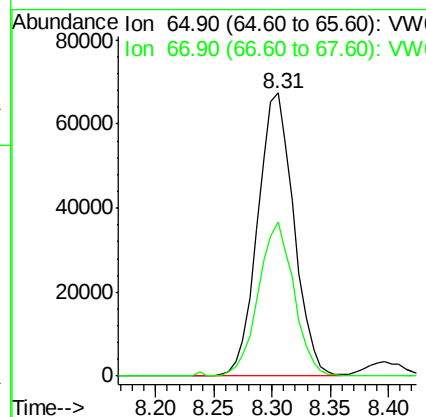
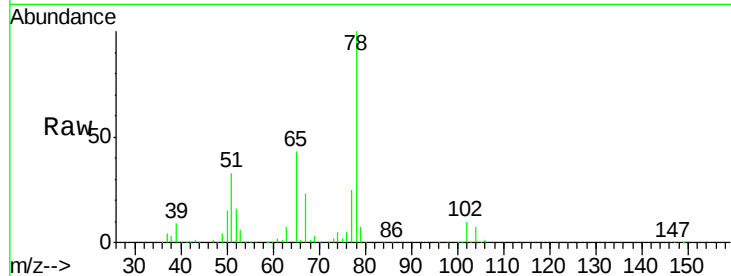
67 53.4 0.0 106.2

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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: VW013219.D

Acq: 21 Sep 2019 07:48

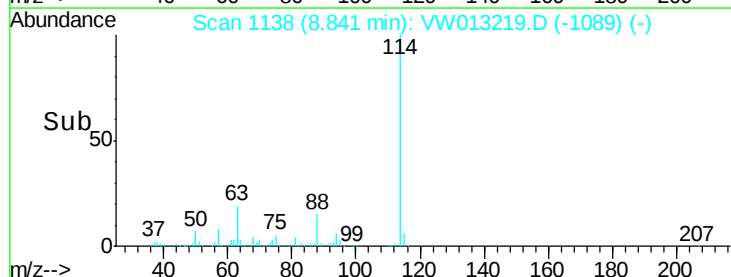
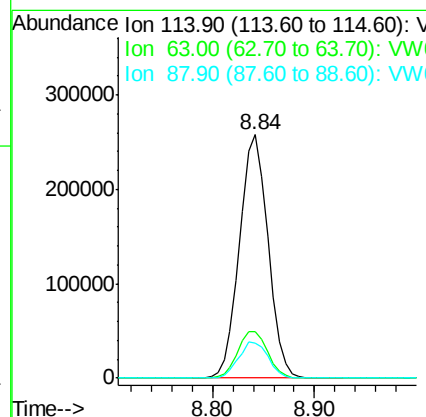
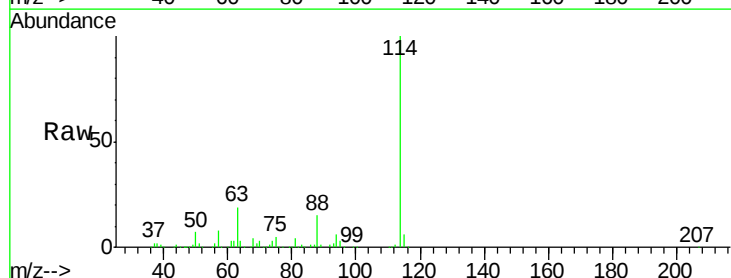
Tgt Ion: 114 Resp: 500131

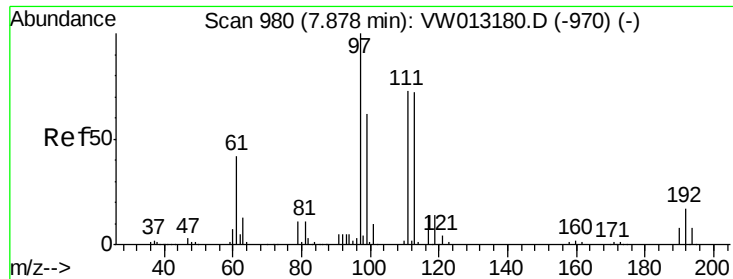
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

88 14.6 0.0 32.0





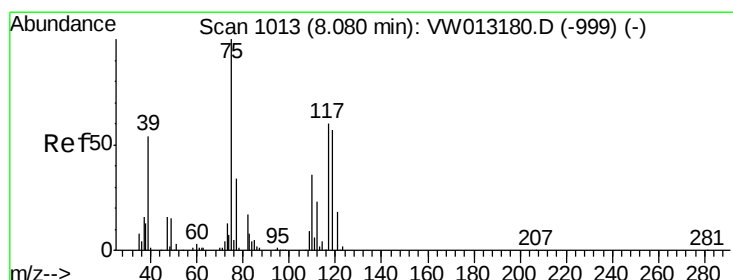
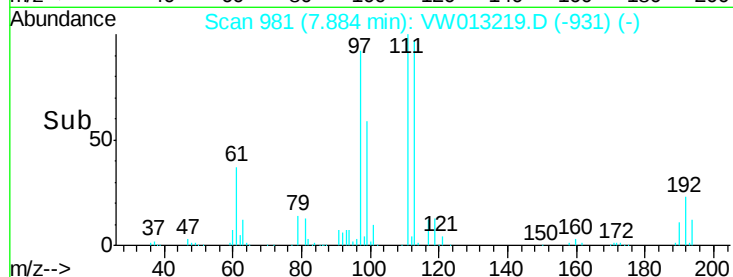
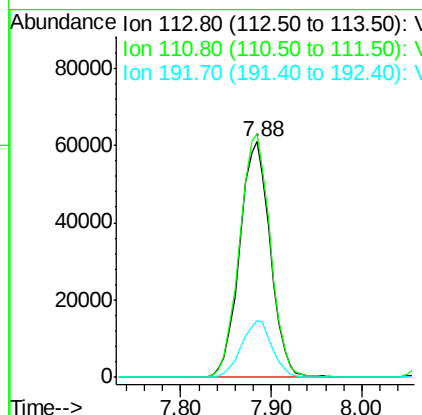
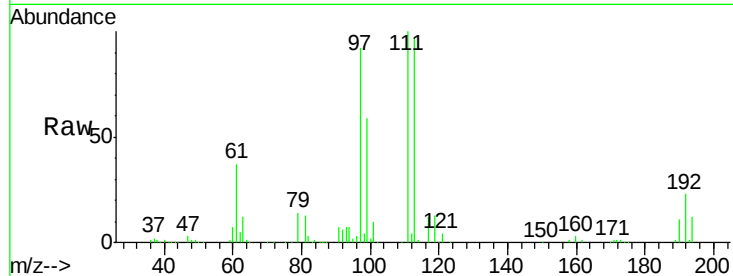
#35
 Dibromofluoromethane
 Concen: 51.838 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142592		
111	103.8	81.9	122.9	
192	23.9	19.1	28.7	

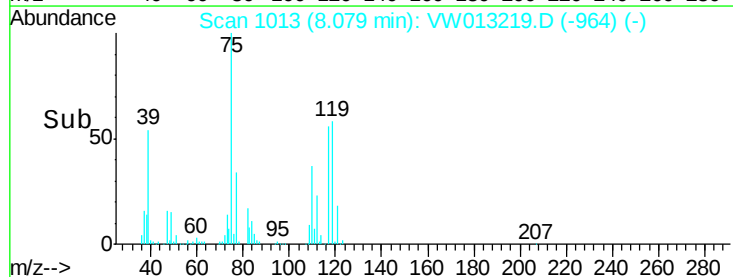
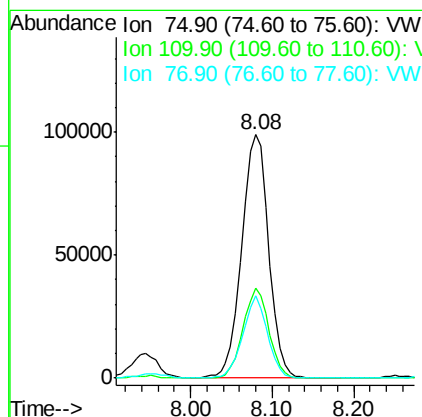
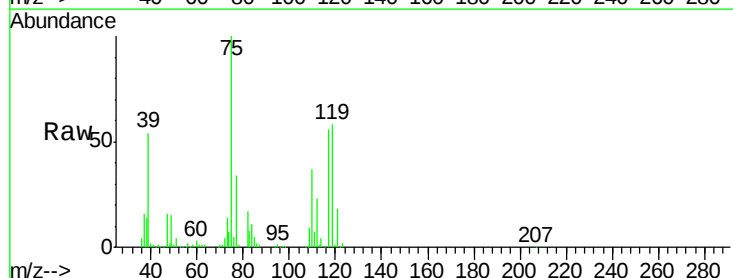
Manual Integrations
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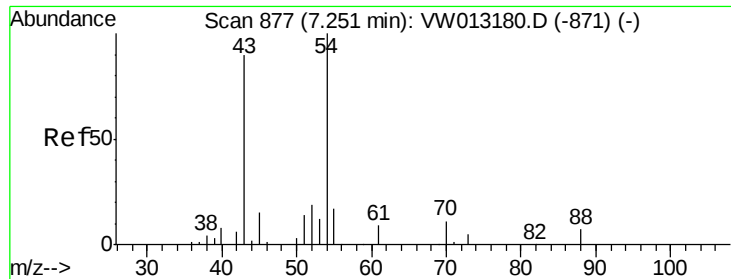
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 9/24/2019 5:29:25 AM



#36
 1,1-Dichloropropene
 Concen: 46.593 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225701		
110	35.3	18.1	54.3	
77	31.1	25.8	38.6	





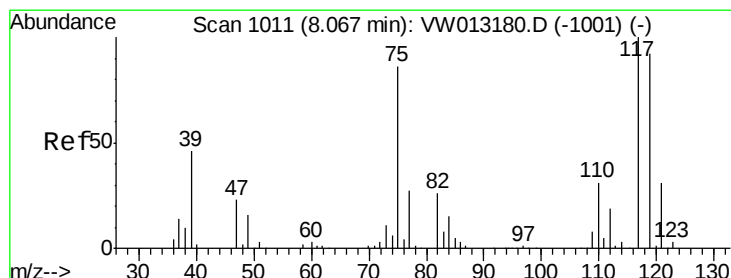
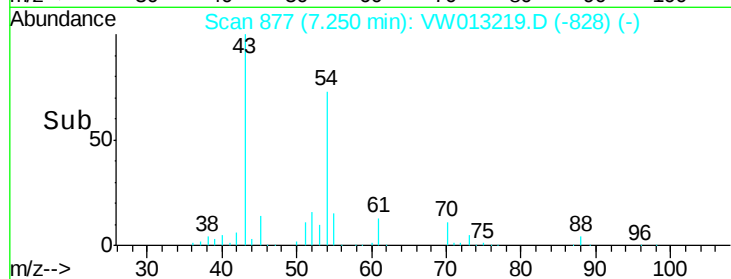
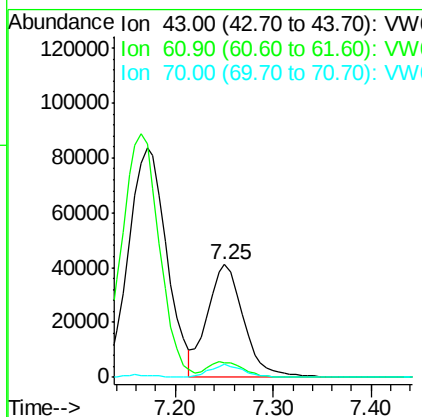
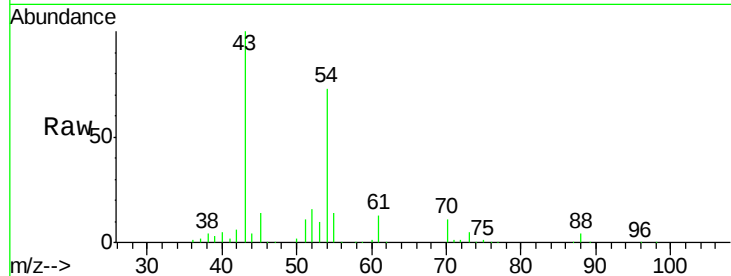
#37
Ethyl Acetate
Concen: 50.907 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	104806
Ion Ratio	Lower	Upper	
43	100		
61	14.1	10.9	16.3
70	10.5	8.2	12.2

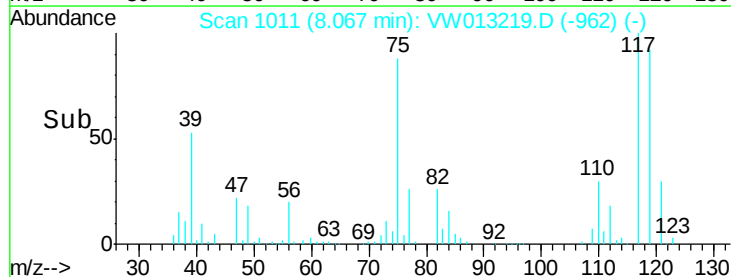
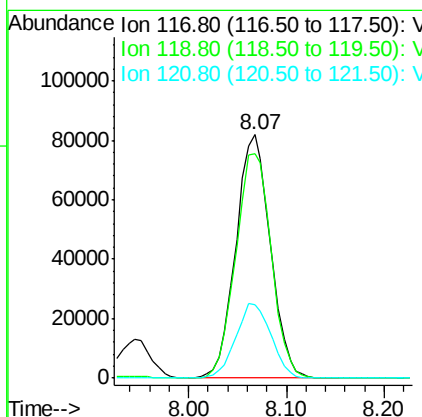
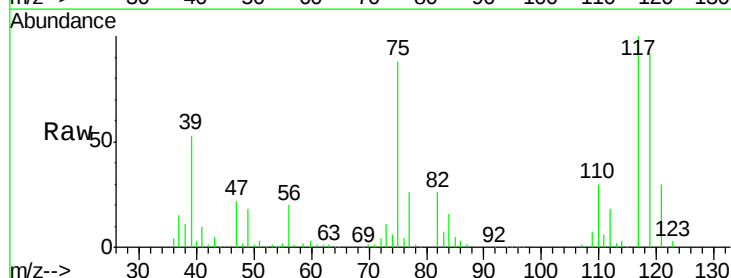
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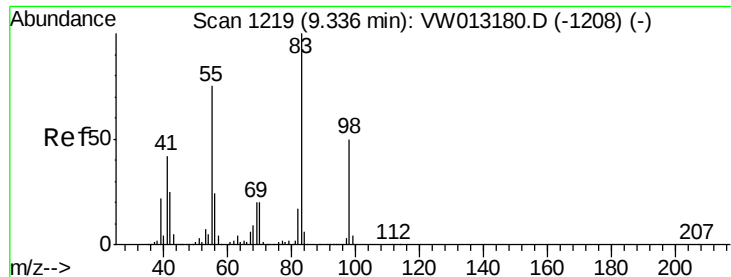
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.057 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	117	Resp	200000
Ion Ratio	Lower	Upper	
117	100		
119	92.3	73.5	110.3
121	29.9	25.0	37.6





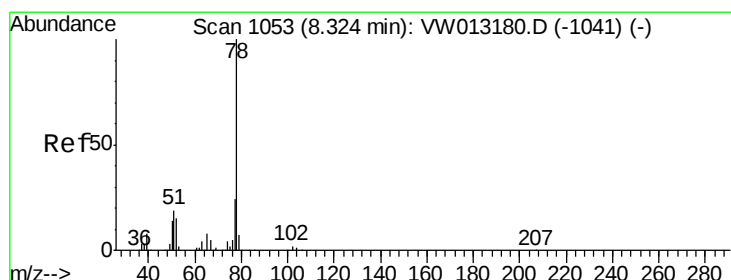
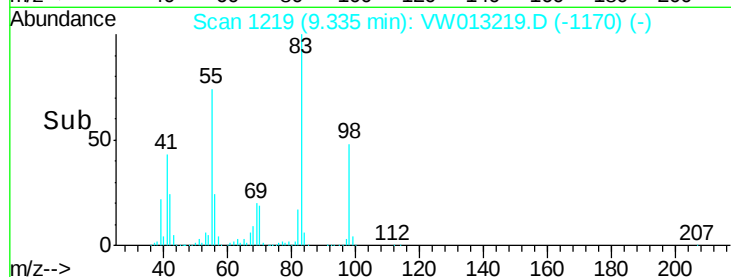
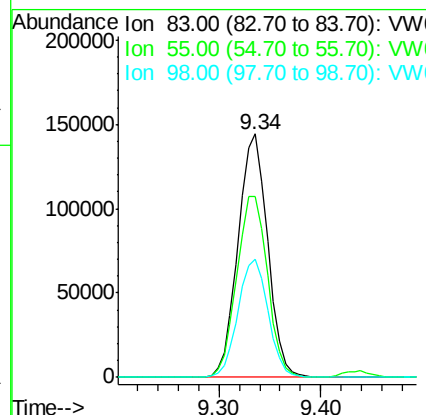
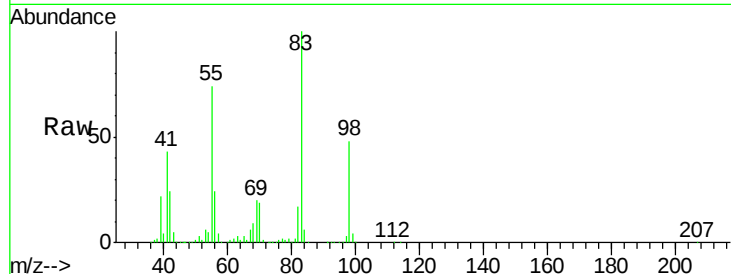
#39
Methvlcvclohexane
Concen: 46.552 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	83	Resp:	289796
Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.4	90.6
98	48.3	40.0	60.0

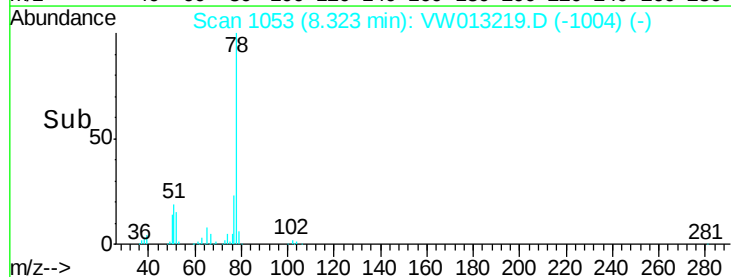
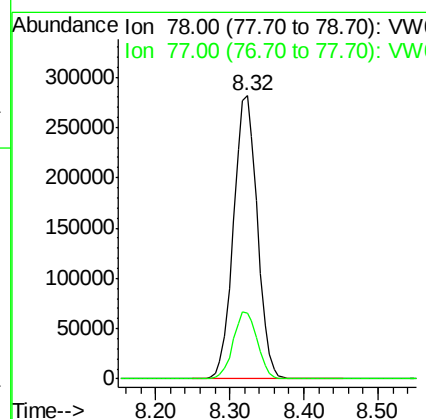
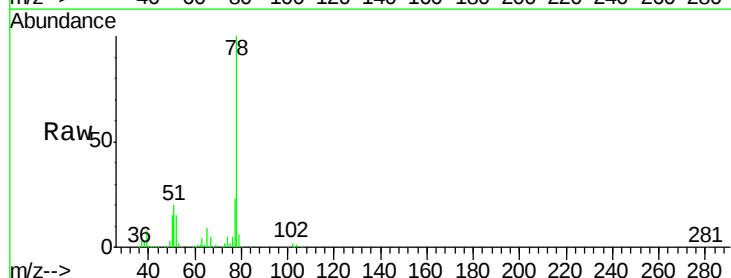
Manual Integrations
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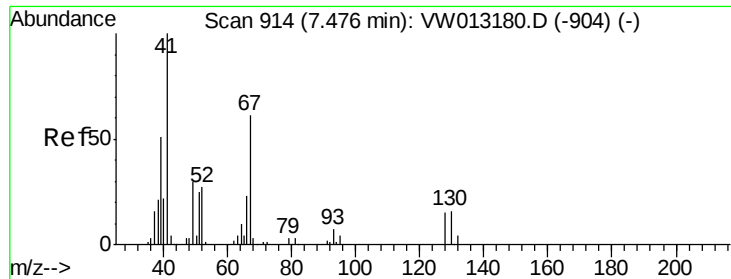
MMDadoda
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#40
Benzene
Concen: 46.599 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion:	78	Resp:	629637
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





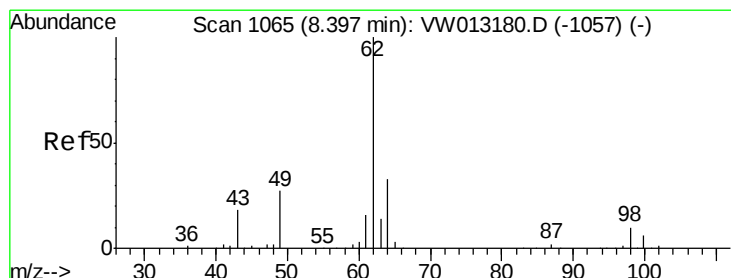
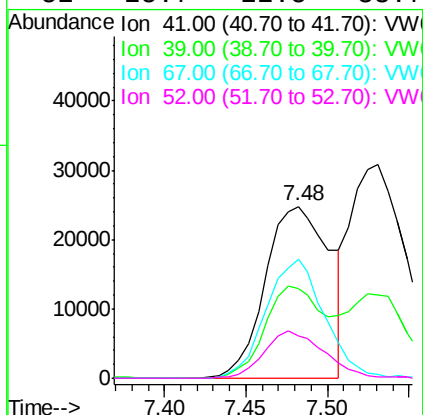
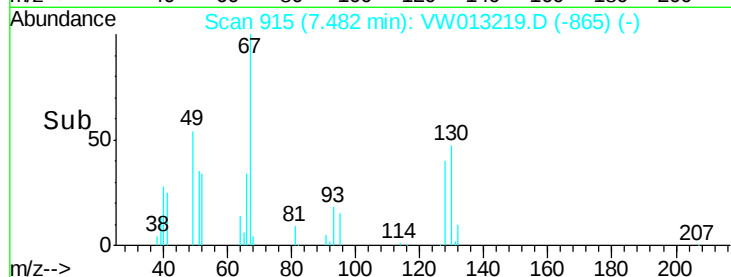
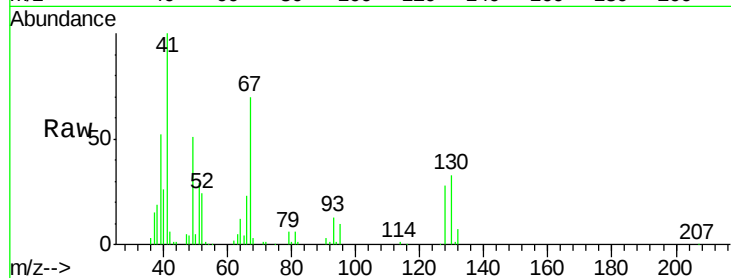
#41
Methacrylonitrile
Concen: 55.622 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.8	45.9	68.9
67	62.8	54.5	81.7
52	25.7	22.5	33.7

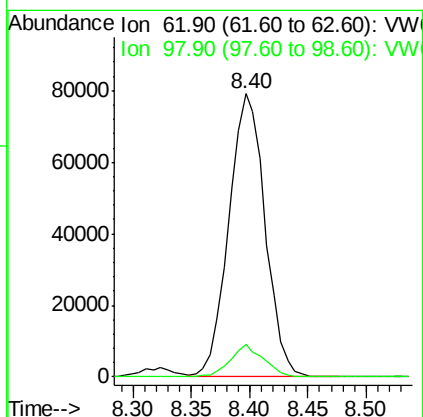
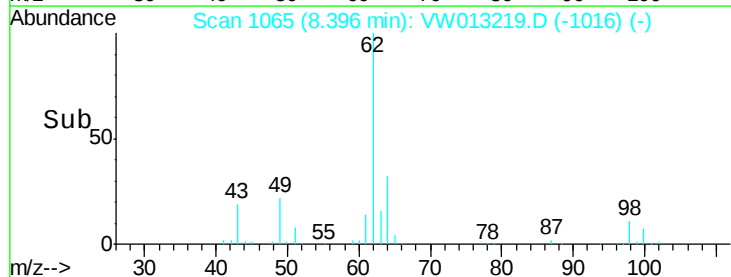
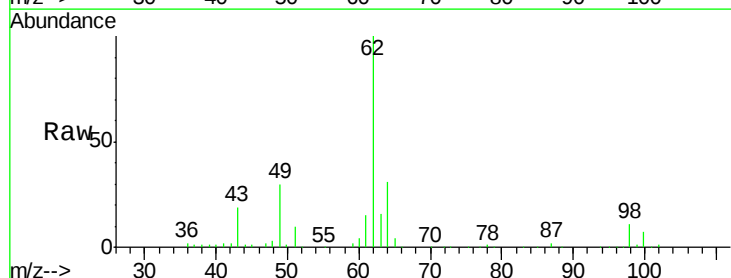
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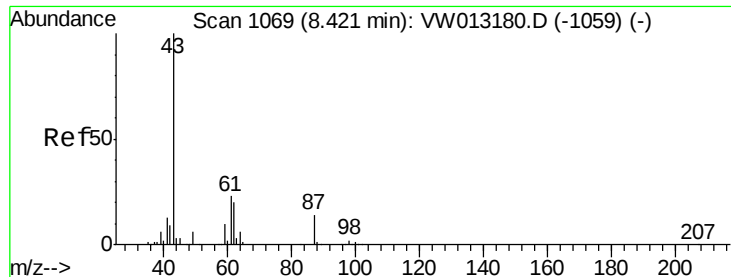
MMDadoda
9/24/2019 5:29:25 AM



#42
1,2-Dichloroethane
Concen: 47.159 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.986 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

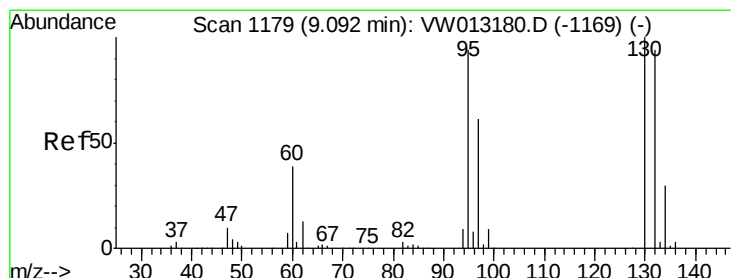
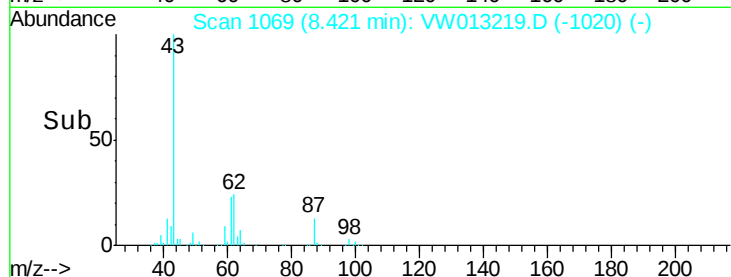
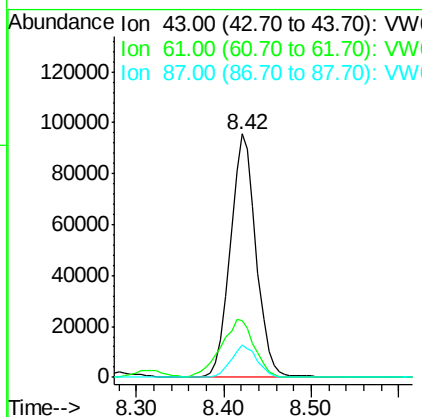
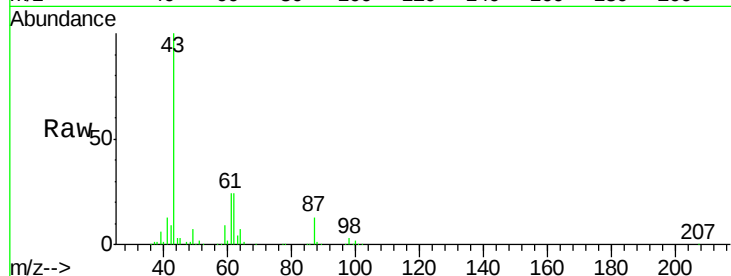
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	193288
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.5	38.3
87	13.5	11.0	16.4

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#44

Trichloroethene

Concen: 45.834 ug/l

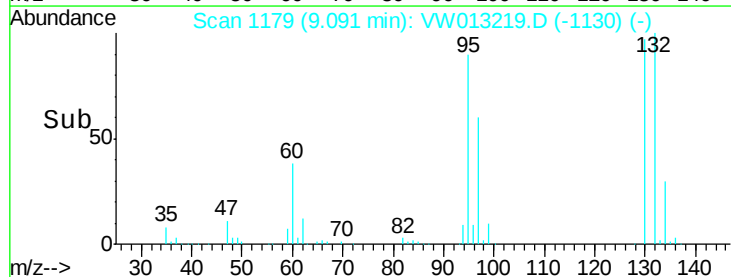
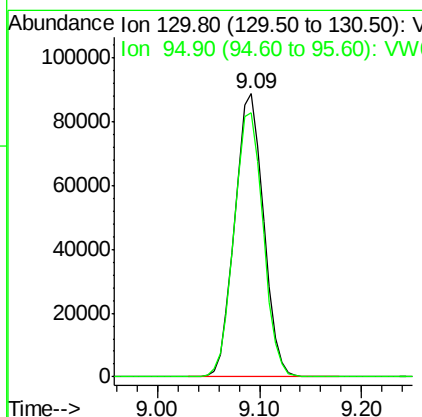
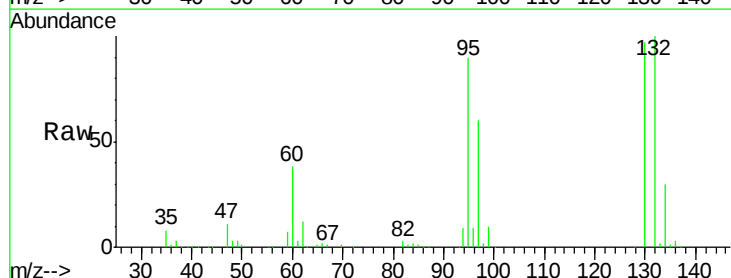
RT: 9.09 min Scan# 1179

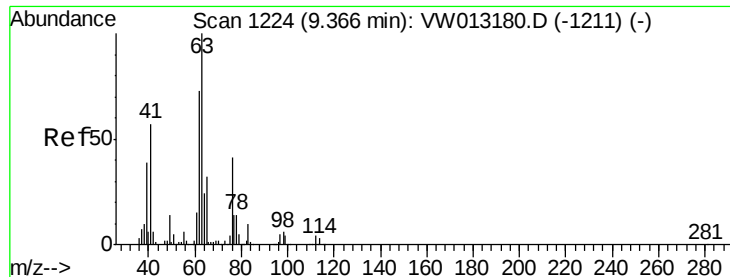
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	130	Resp:	173755
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 46.296 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 152719

Ion Ratio Lower Upper

63 100

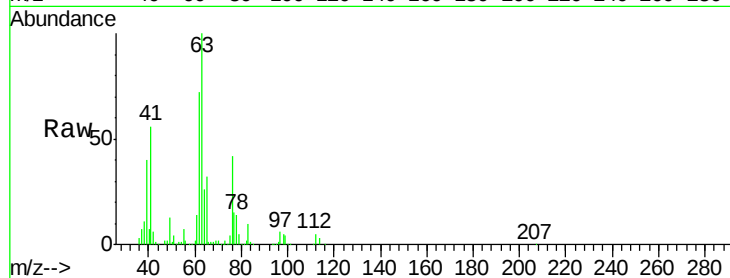
65 31.9 25.3 37.9

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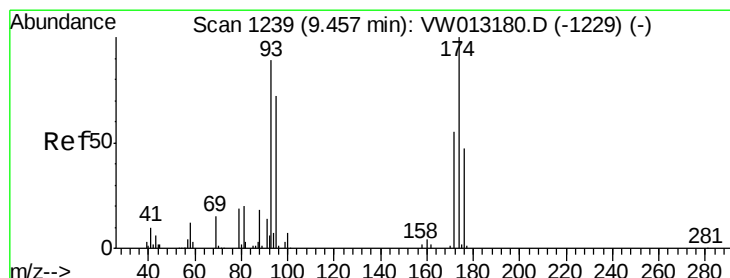
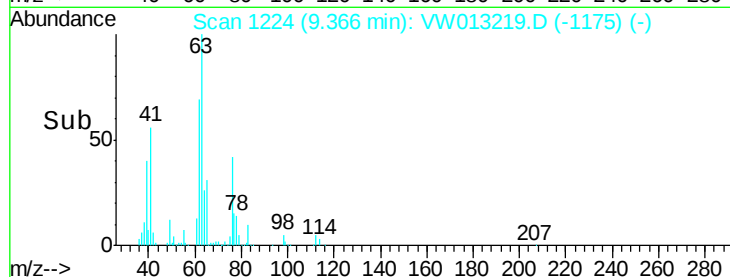
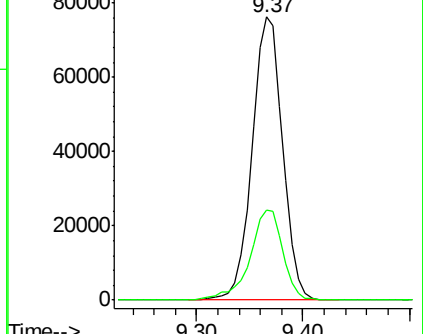
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 47.651 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

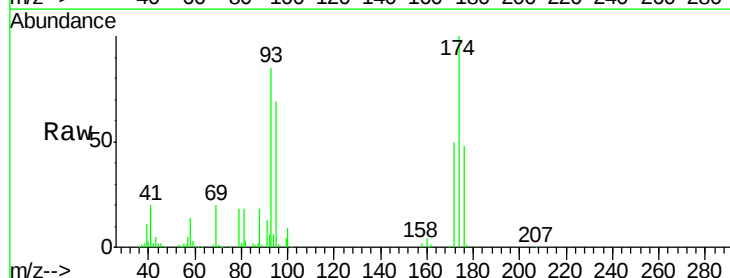
Tgt Ion: 93 Resp: 76315

Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

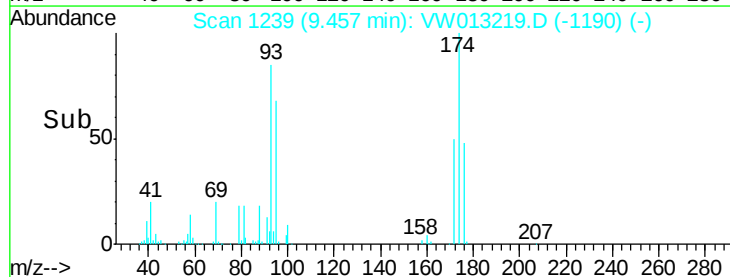
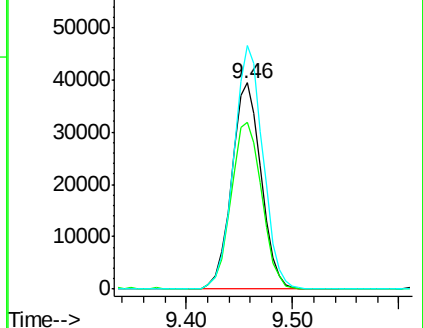
174 117.5 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.651 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

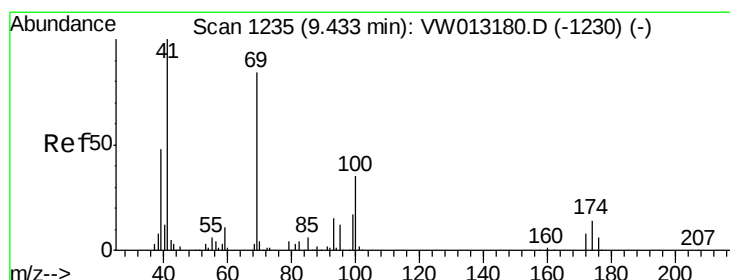
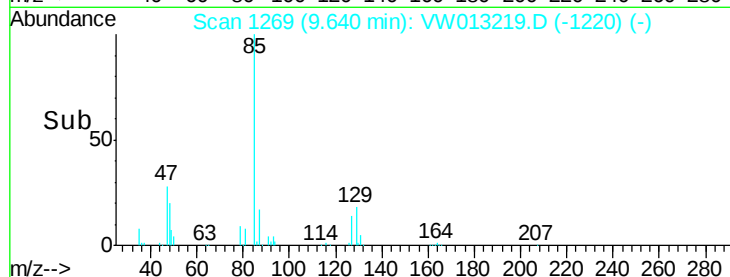
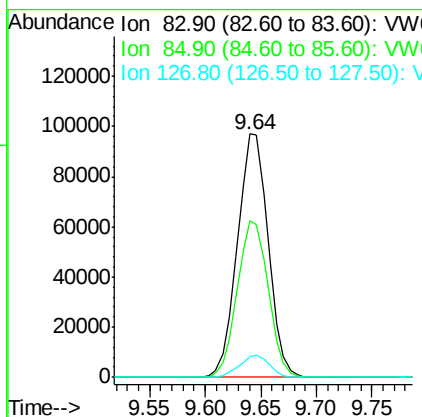
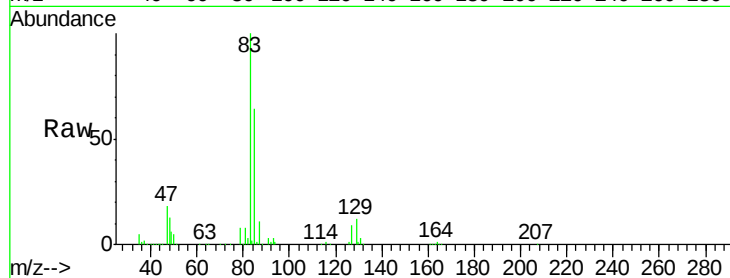
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	186036
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.4	74.2
127	8.7	6.5	9.7

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#48

Methyl methacrylate

Concen: 53.053 ug/l

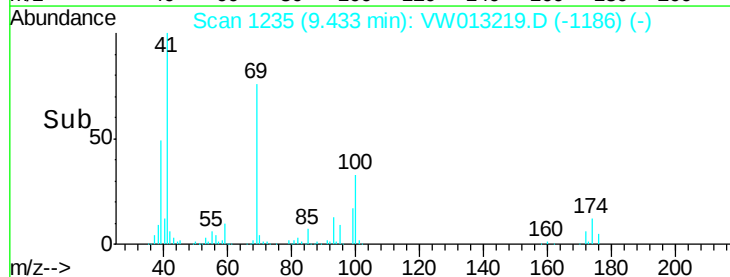
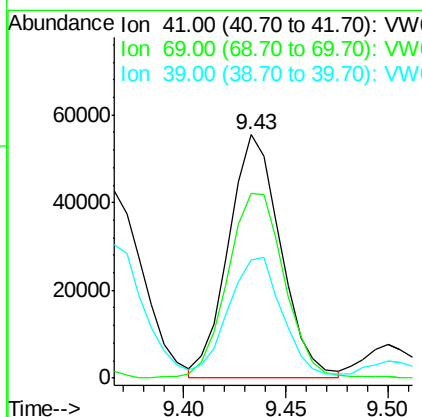
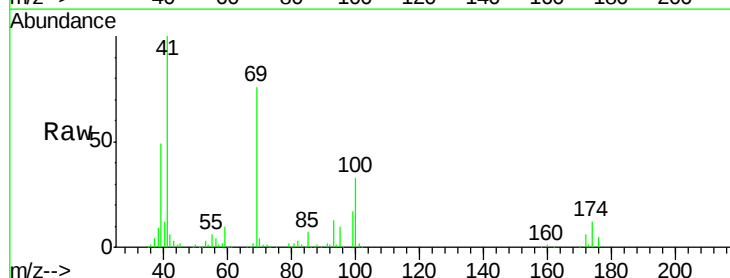
RT: 9.43 min Scan# 1235

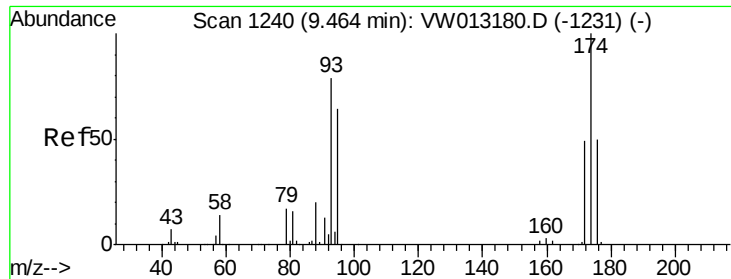
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	41	Resp:	98435
Ion Ratio	Lower	Upper	
41	100		
69	82.5	69.7	104.5
39	47.5	41.1	61.7





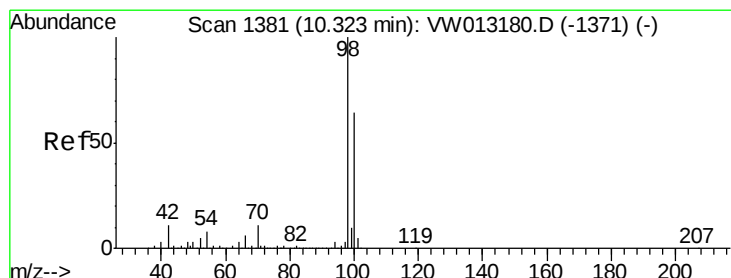
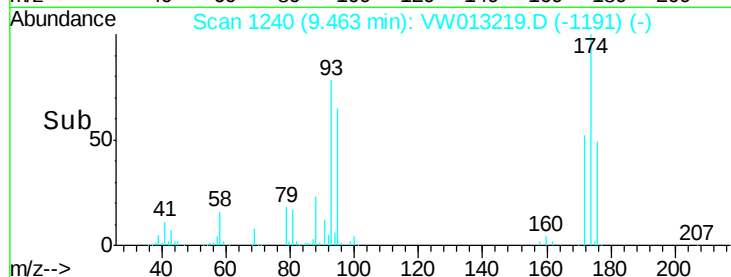
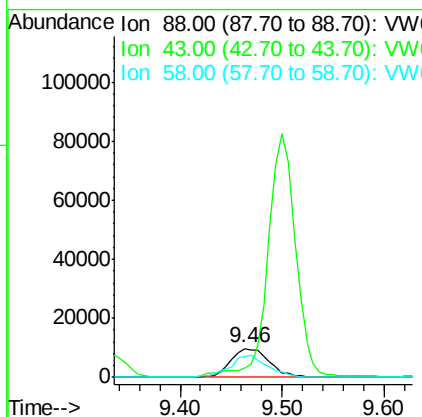
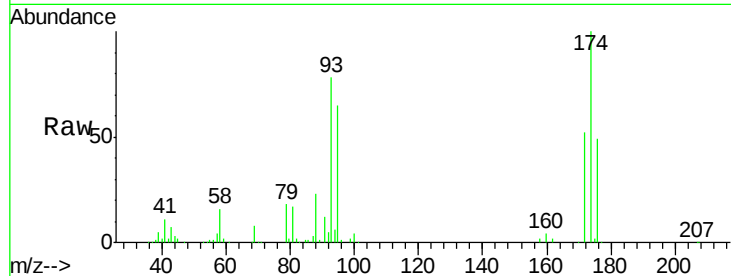
#49
1,4-Dioxane
Concen: 1069.872 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25720
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.7	65.4	98.0

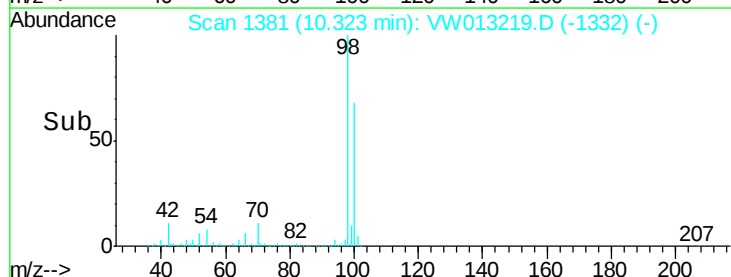
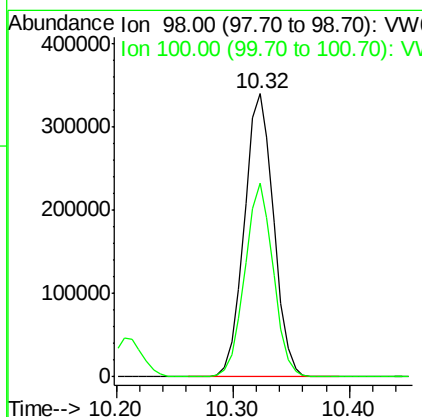
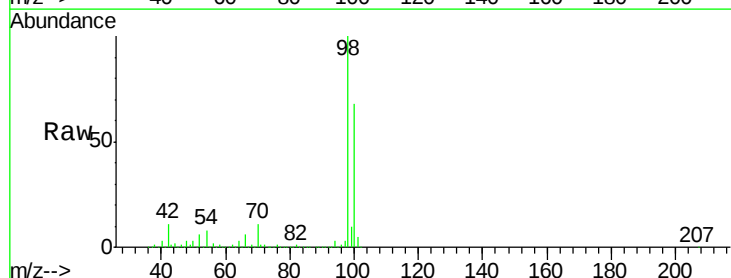
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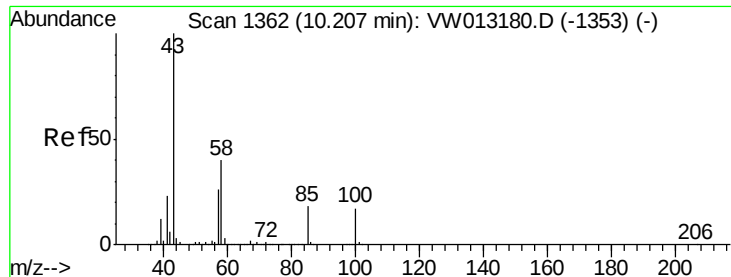
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#50
Toluene-d8
Concen: 51.685 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	98	Resp	595000
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 254.598 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 503623

Ion Ratio Lower Upper

43 100

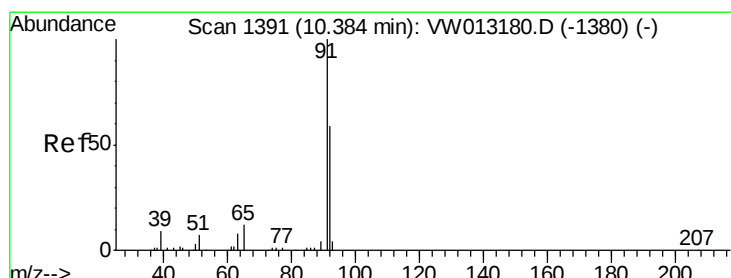
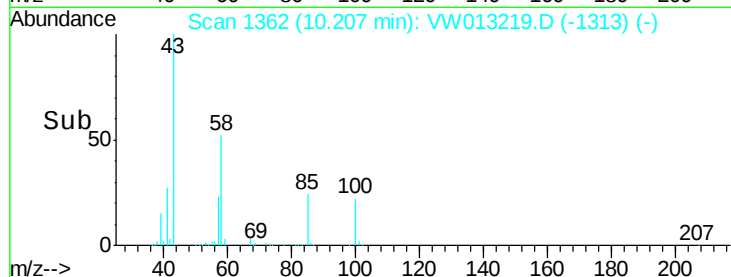
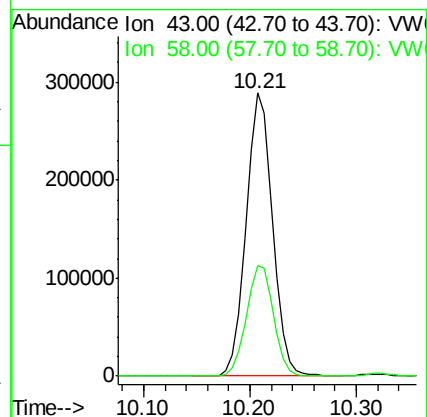
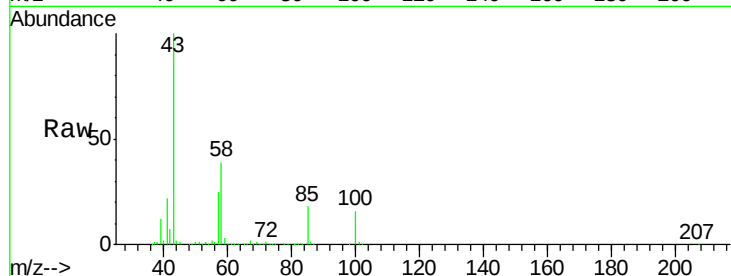
58 40.0 31.7 47.5

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#52

Toluene

Concen: 46.933 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013219.D

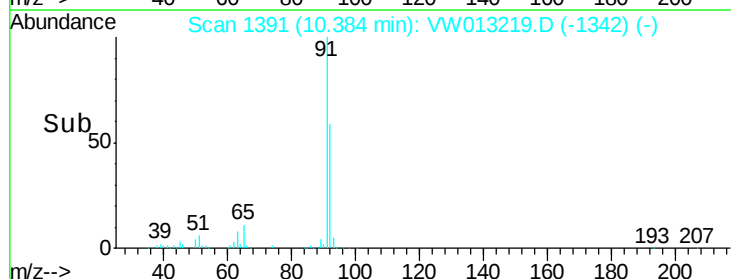
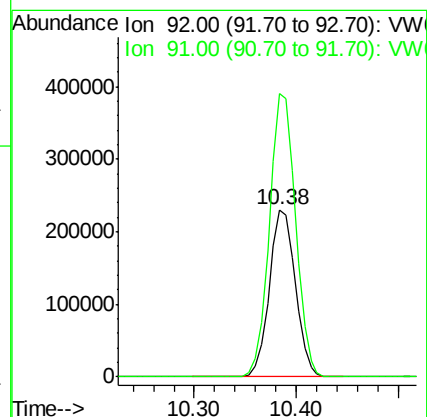
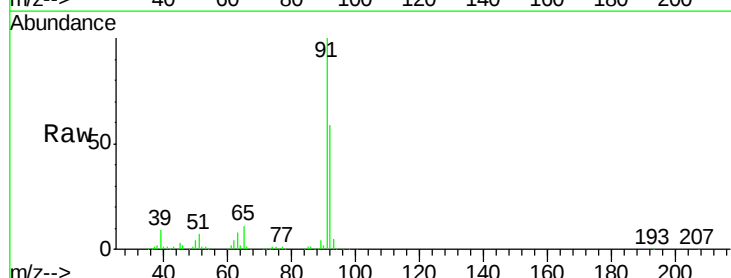
Acq: 21 Sep 2019 07:48

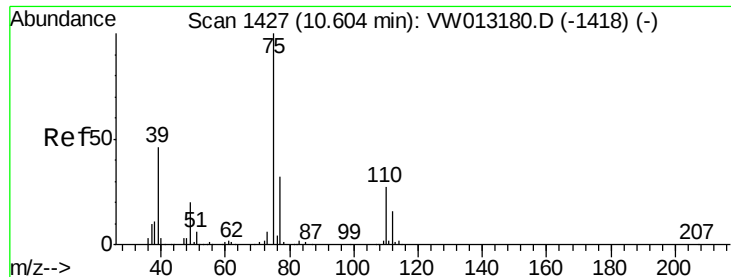
Tgt Ion: 92 Resp: 406417

Ion Ratio Lower Upper

92 100

91 170.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 45.703 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 191351

Ion Ratio Lower Upper

75 100

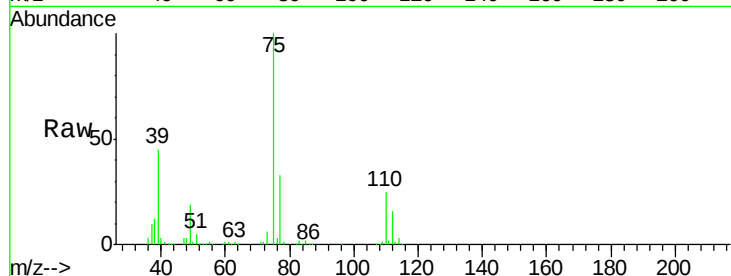
77 32.8 25.5 38.3

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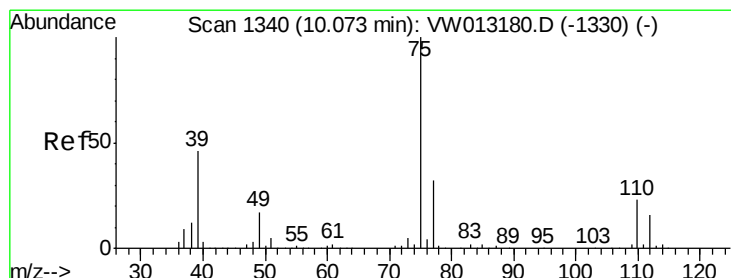
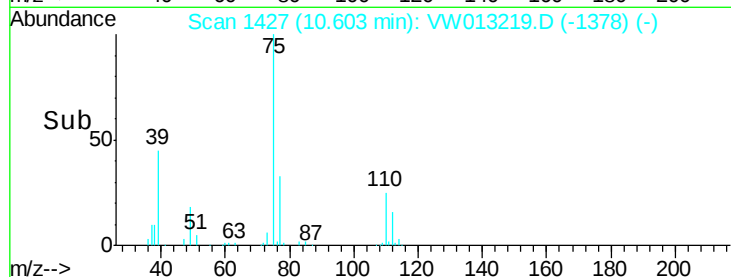
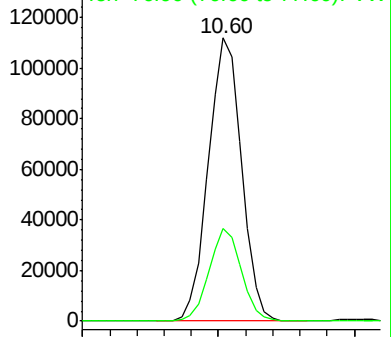
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 45.292 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

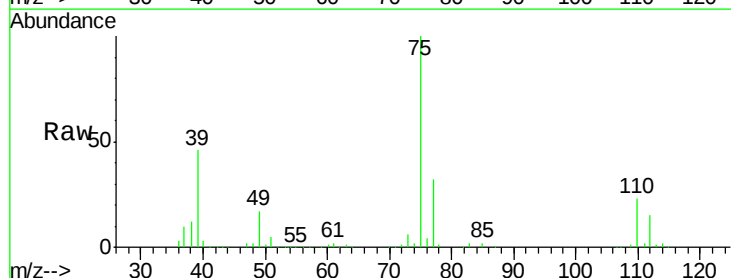
Tgt Ion: 75 Resp: 230566

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

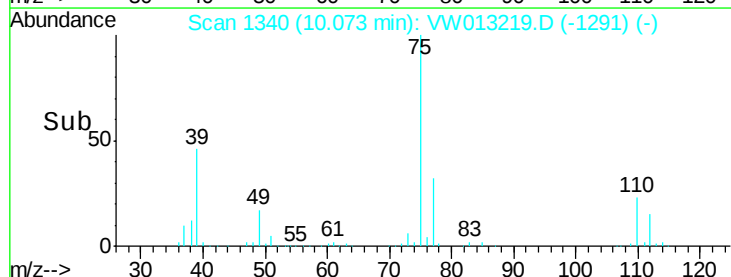
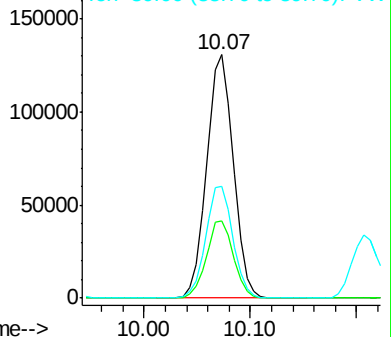
39 45.6 36.6 55.0

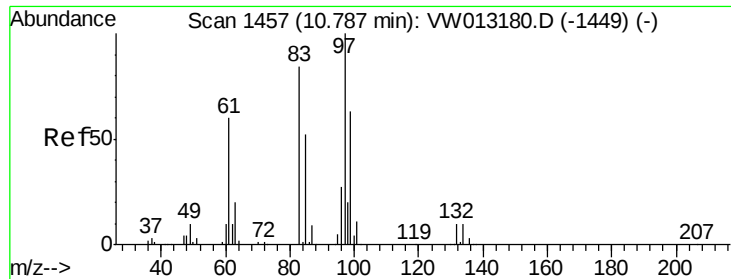


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 48.087 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

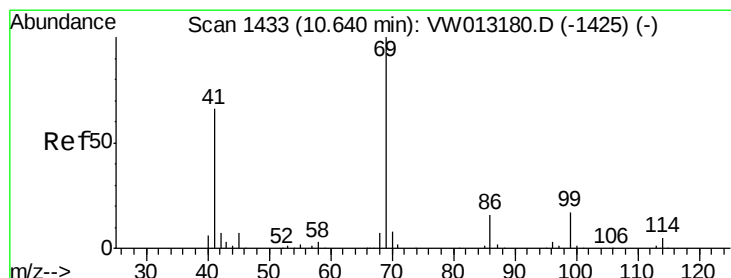
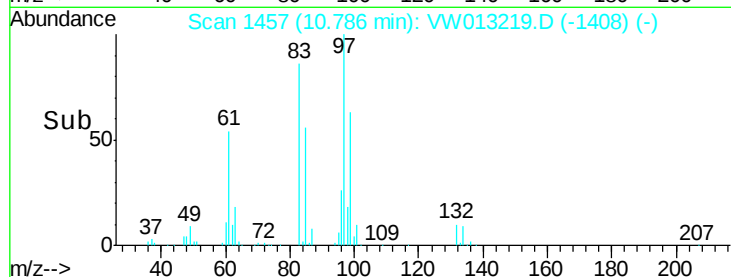
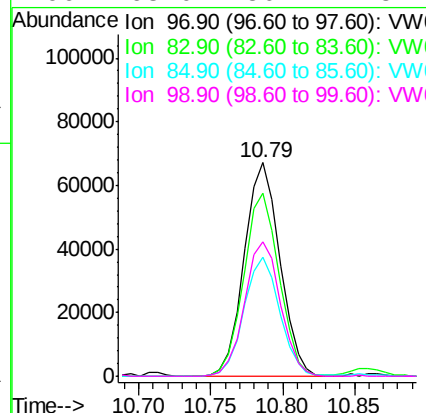
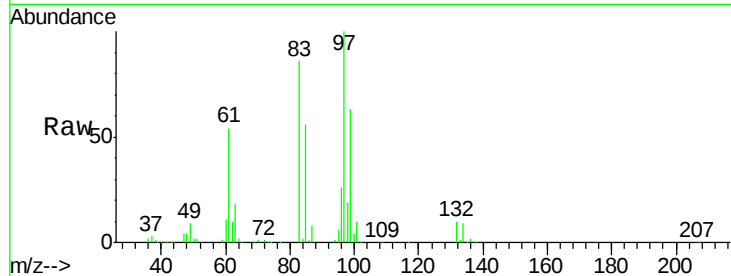
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		115111		
83	85.5	67.6	101.4		
85	55.8	41.9	62.9		
99	63.0	50.1	75.1		

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#56

Ethyl methacrylate

Concen: 51.221 ug/l

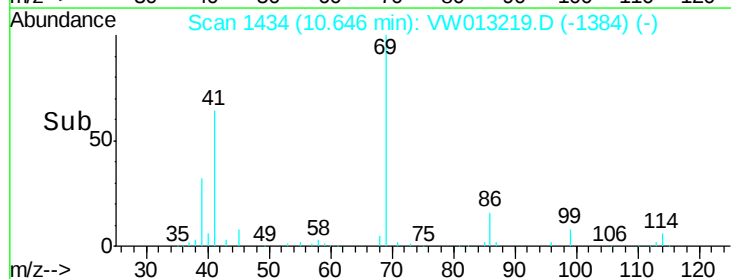
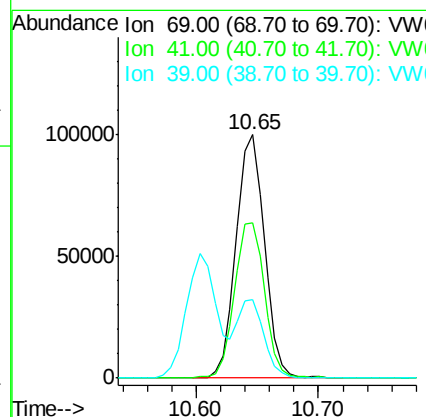
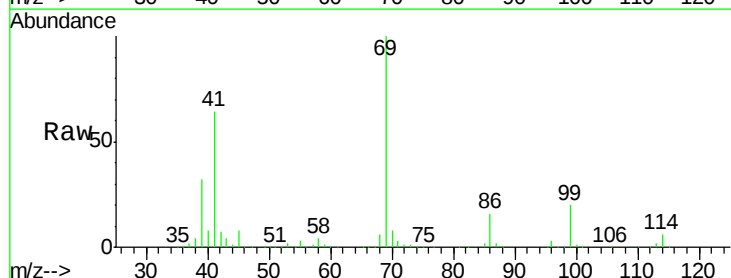
RT: 10.65 min Scan# 1434

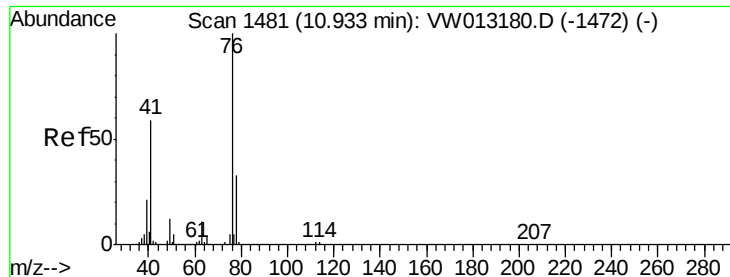
Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		160467		
41	67.6	53.9	80.9		
39	29.6	23.8	35.6		





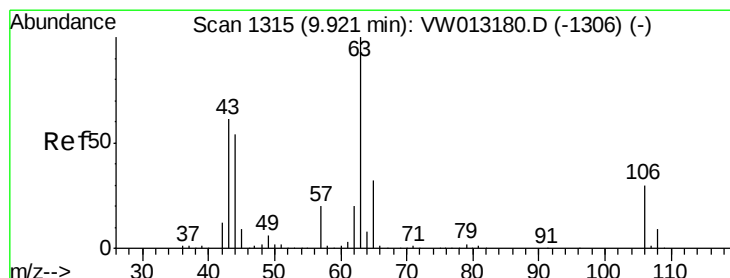
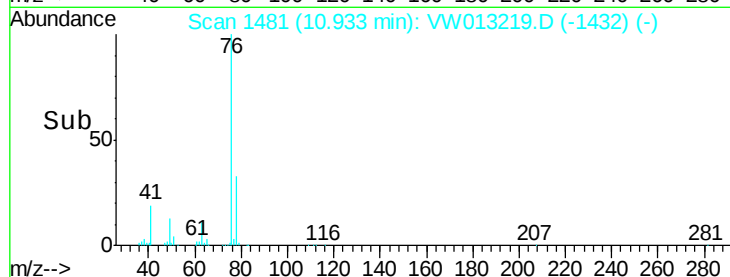
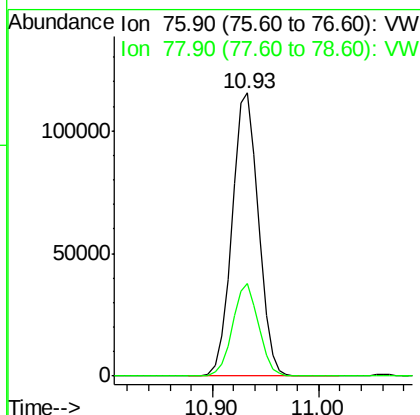
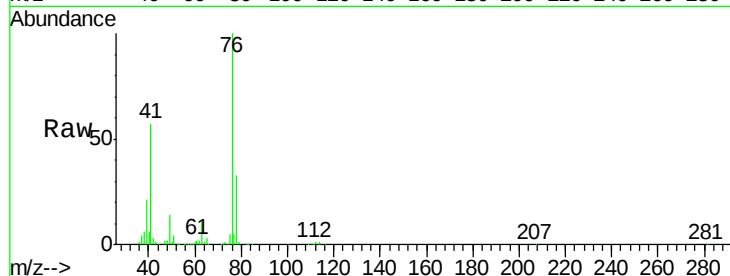
#57
 1,3-Dichloropropane
 Concen: 48.103 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

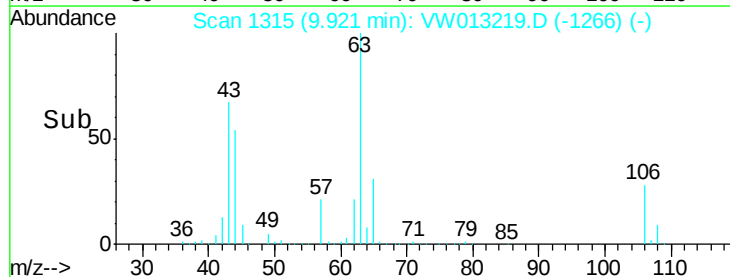
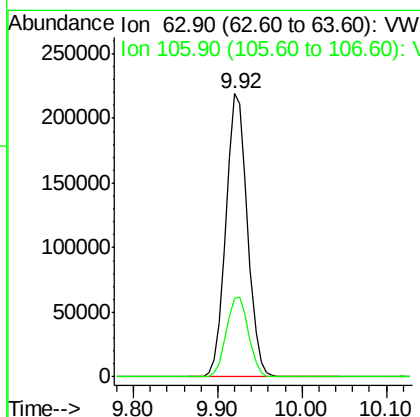
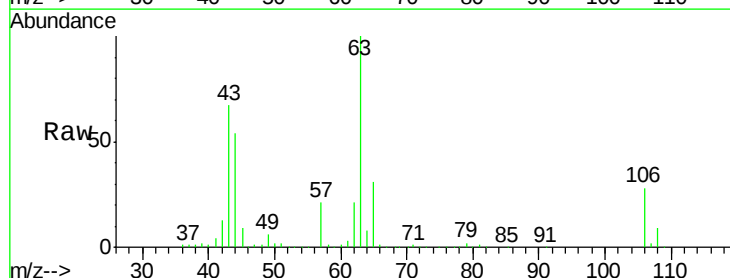
Manual Integrations
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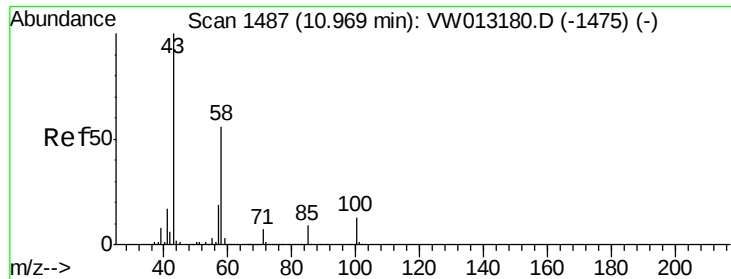
MMDadoda
 9/24/2019 5:29:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.346 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.4	35.0





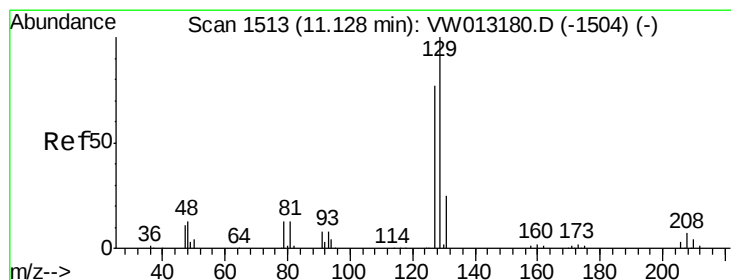
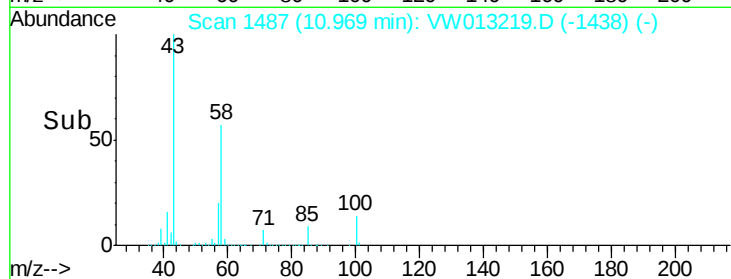
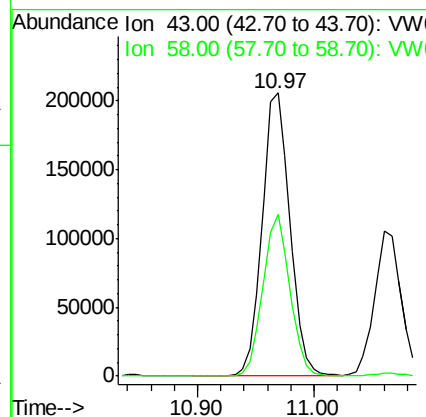
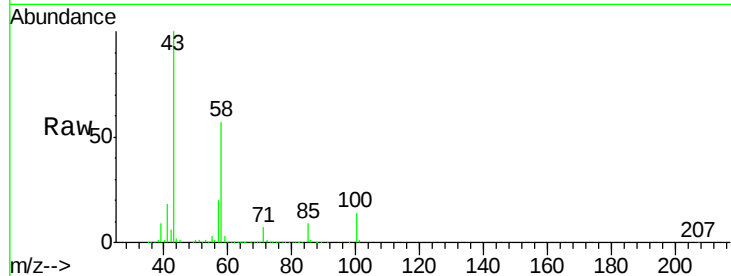
#59
2-Hexanone
Concen: 250.458 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 340857
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.2

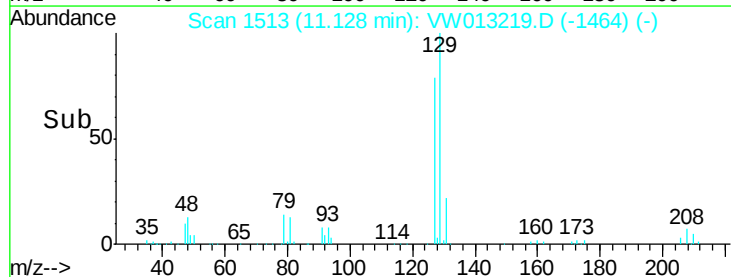
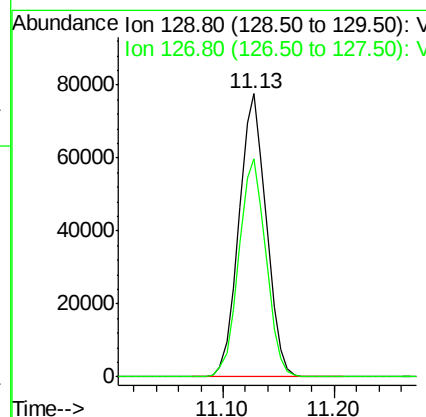
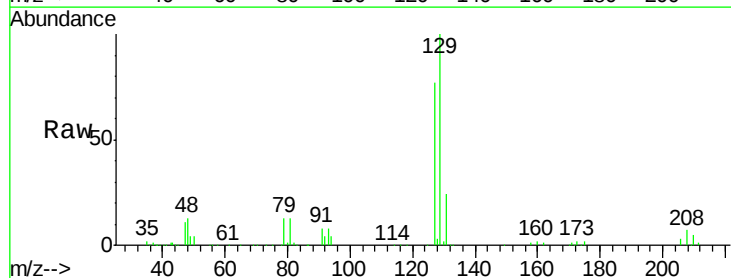
Manual Integrations
APPROVED

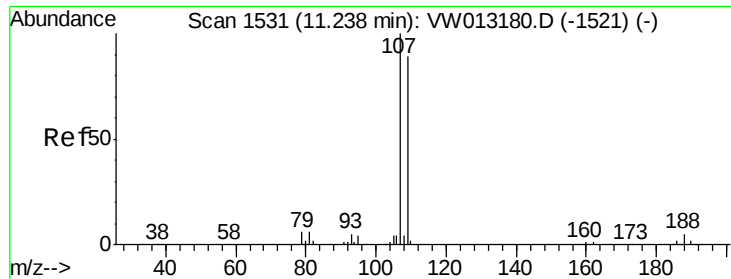
MMDadoda
9/24/2019 5:29:25 AM



#60
Dibromochloromethane
Concen: 48.445 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 129 Resp: 131680
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.4





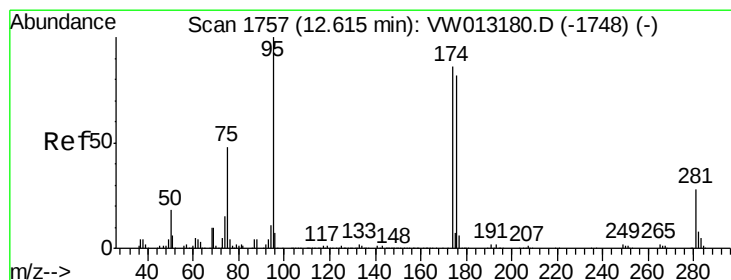
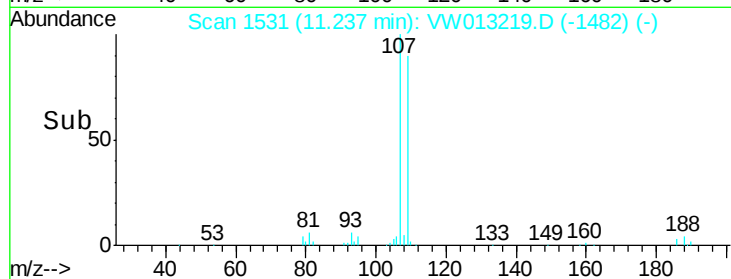
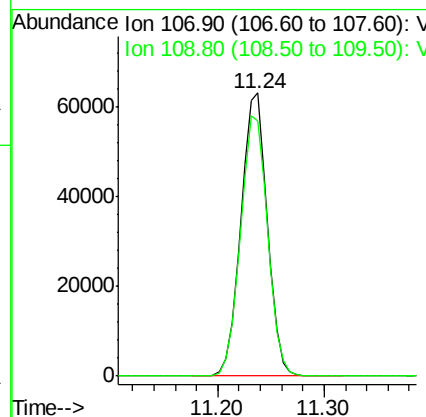
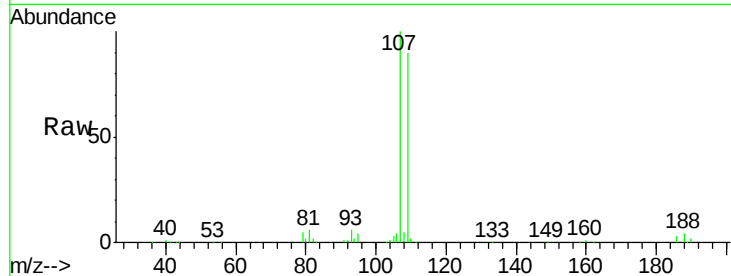
#61
1,2-Dibromoethane
Concen: 48.276 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	109877		
109	94.5	75.2	112.8	

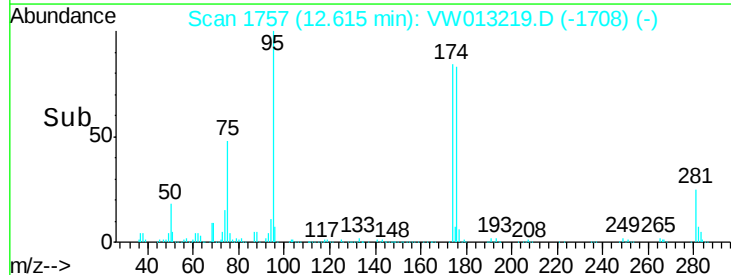
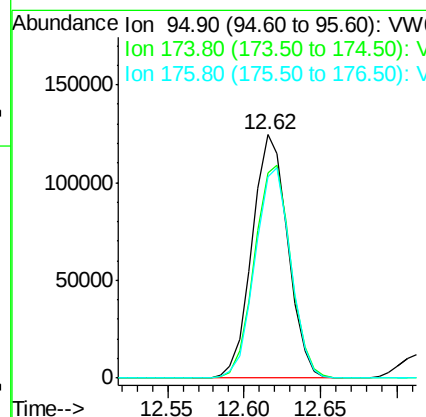
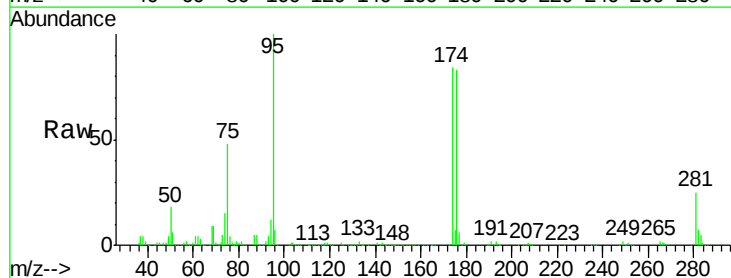
Manual Integrations
APPROVED

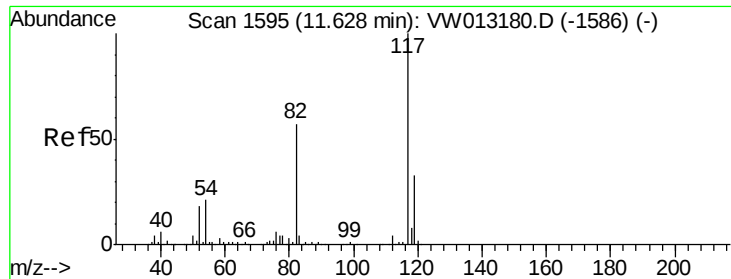
MMDadoda
9/24/2019 5:29:25 AM



#62
4-Bromofluorobenzene
Concen: 51.473 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	202412		
174	88.6	0.0	178.4	
176	86.6	0.0	172.2	





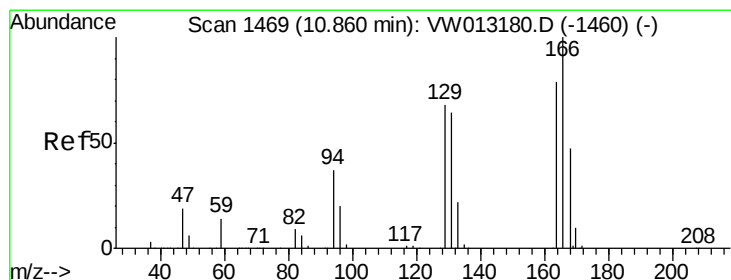
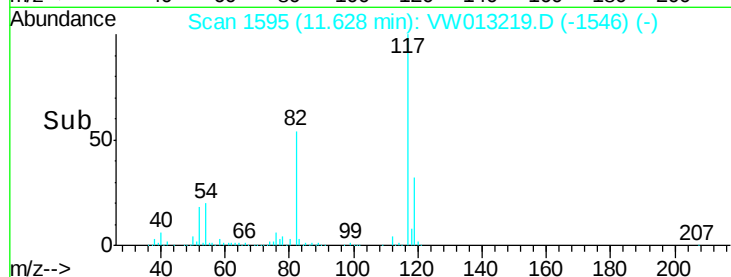
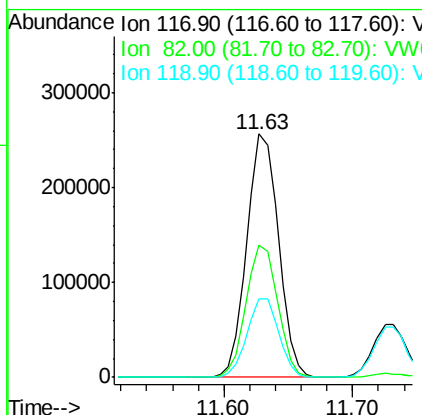
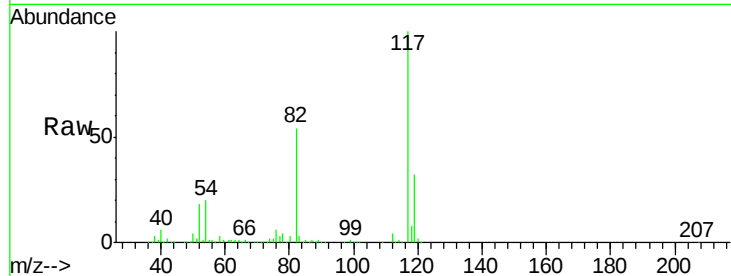
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	436264		
82	54.2	45.9	68.9	
119	32.3	26.2	39.2	

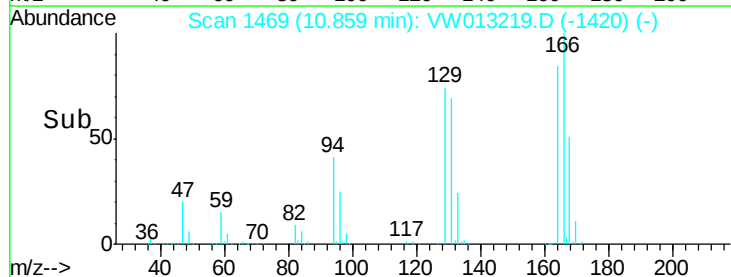
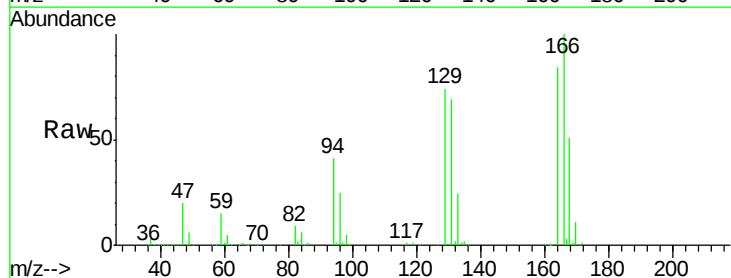
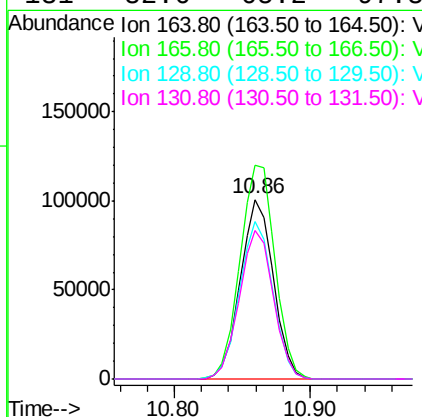
Manual Integrations
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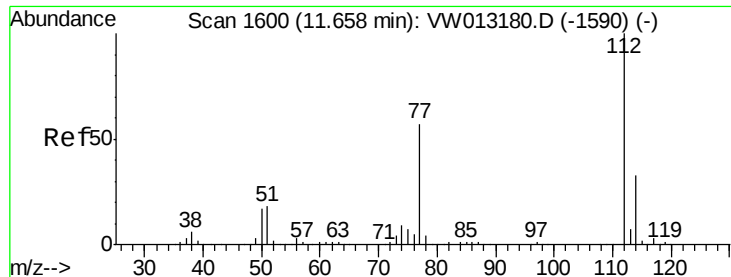
MMDadoda
9/24/2019 5:29:25 AM



#64
Tetrachloroethene
Concen: 51.658 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	170991		
166	119.0	101.2	151.8	
129	87.7	68.8	103.2	
131	82.6	65.2	97.8	





#65

Chlorobenzene

Concen: 45.886 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 418020

Ion Ratio Lower Upper

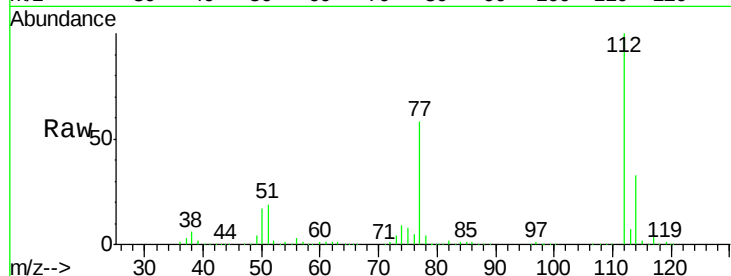
112 100

114 33.0 26.5 39.7

Manual Integrations
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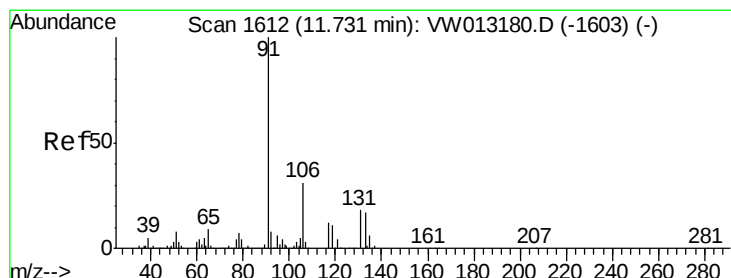
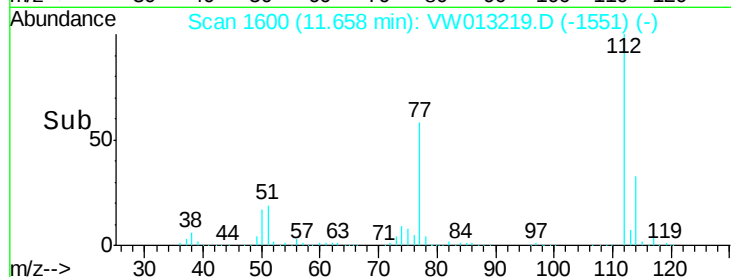
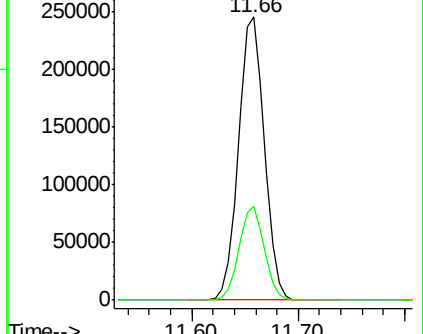
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.976 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

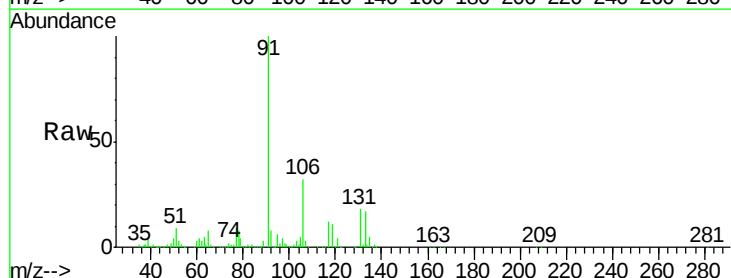
Tgt Ion:131 Resp: 146202

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.6

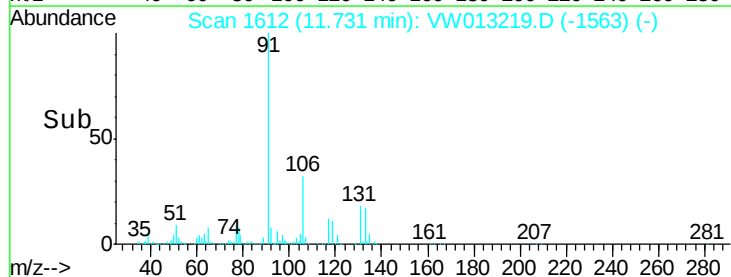
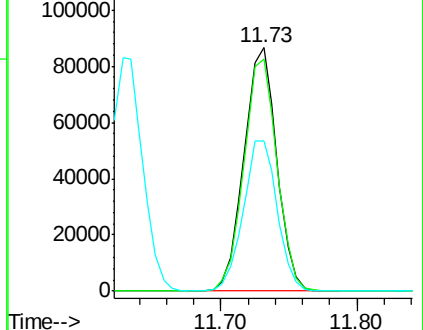
119 64.0 32.5 97.5

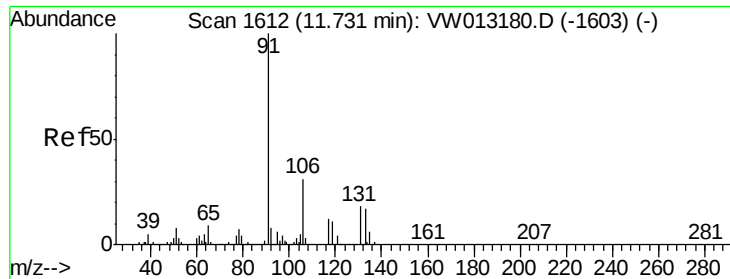


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





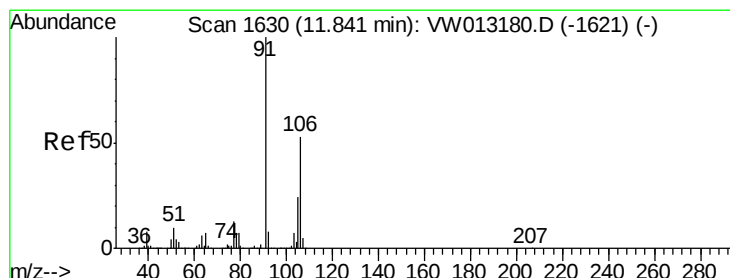
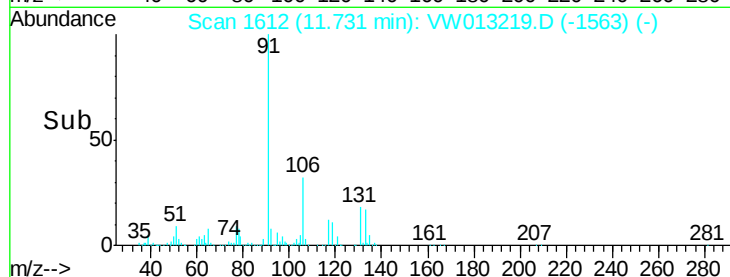
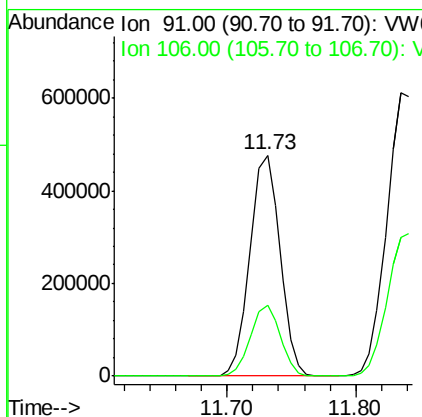
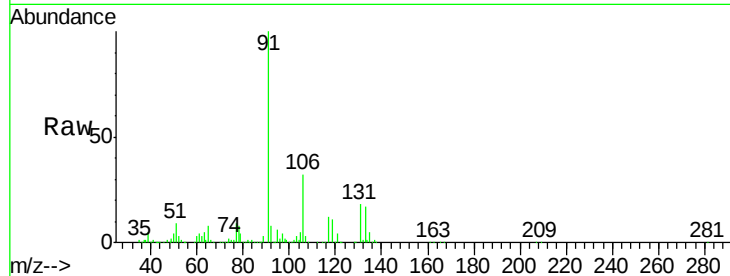
#67
Ethyl Benzene
Concen: 46.517 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 767836
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

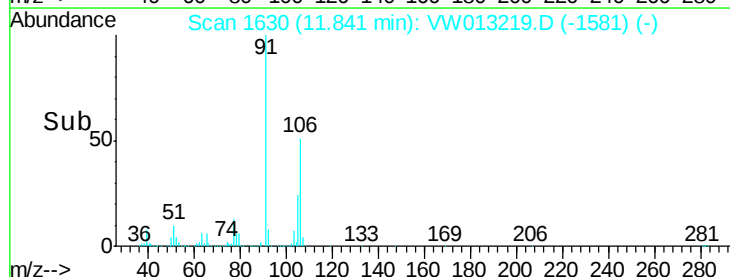
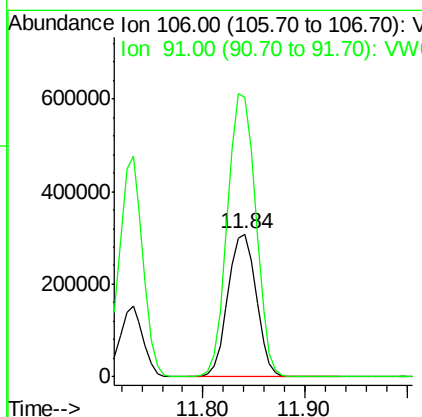
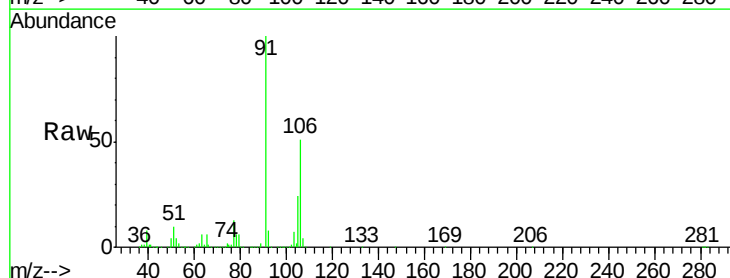
Manual Integrations
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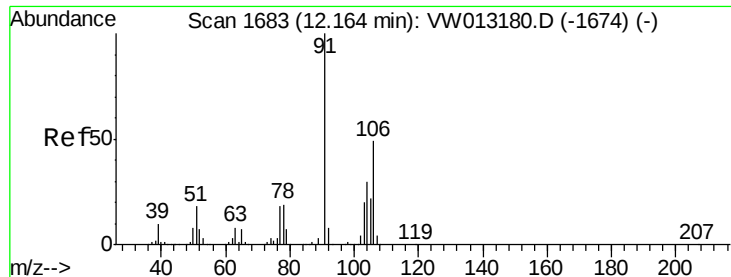
MMDadoda
9/24/2019 5:29:25 AM



#68
m/p-Xylenes
Concen: 93.973 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion: 106 Resp: 591089
Ion Ratio Lower Upper
106 100
91 198.7 157.9 236.9





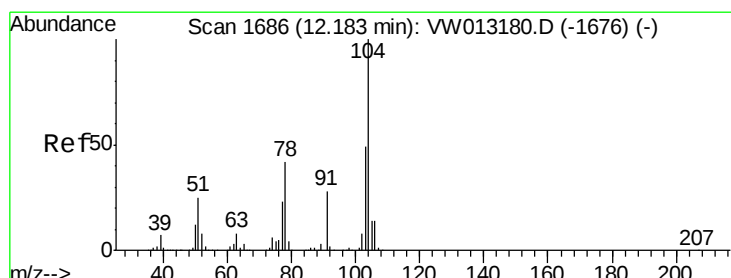
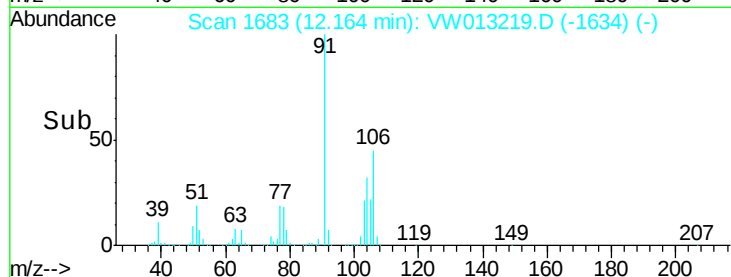
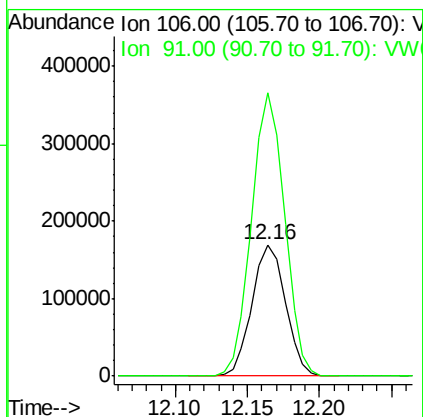
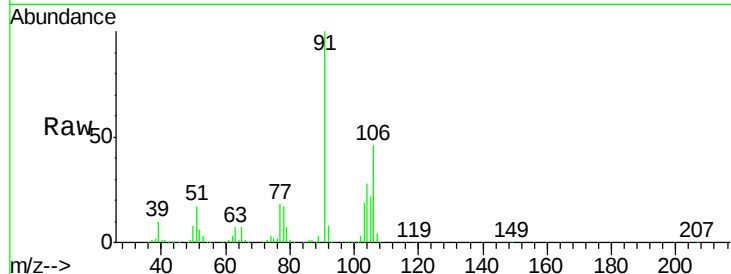
#69
o-Xylene
Concen: 46.553 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.1	106.5	319.5

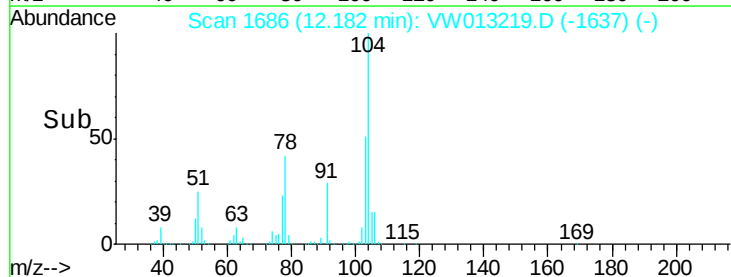
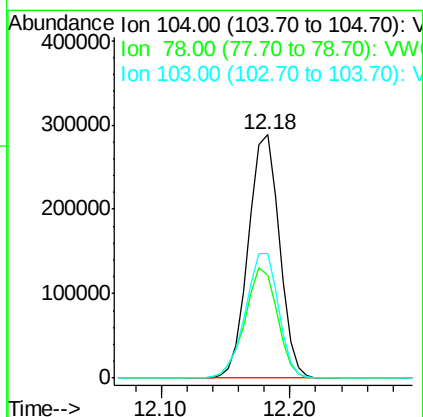
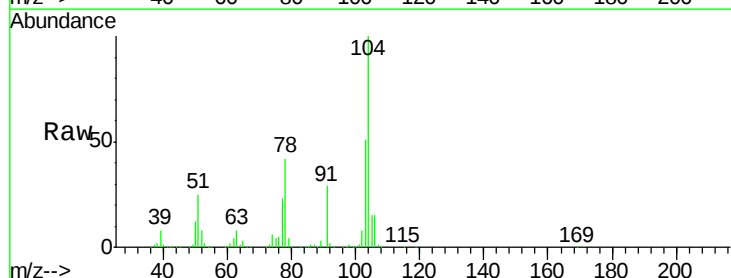
Manual Integrations
APPROVED

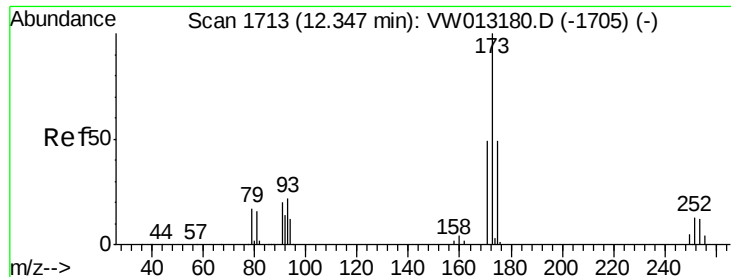
MMDadoda
9/24/2019 5:29:25 AM



#70
Styrene
Concen: 47.678 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.4	57.6
103	54.7	43.3	64.9





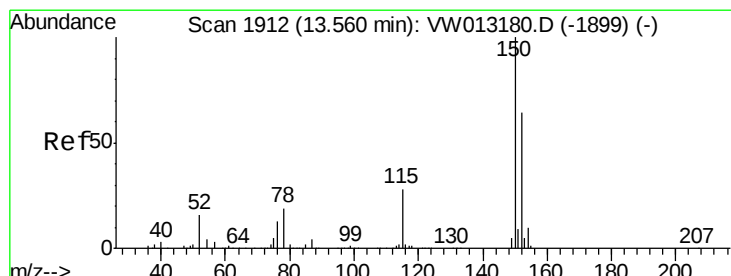
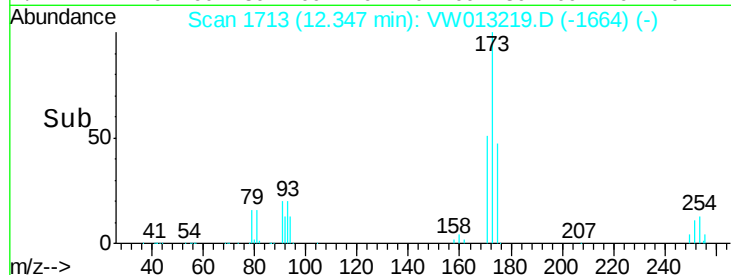
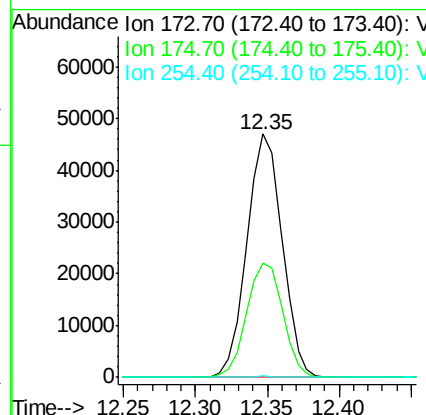
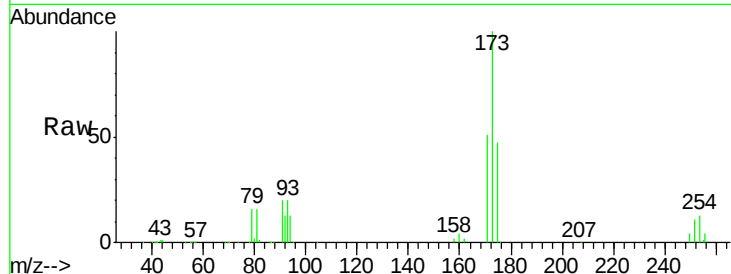
#71
Bromoform
Concen: 48.372 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.1	0.1	0.1

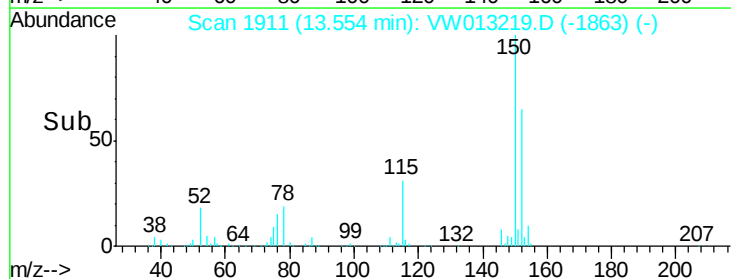
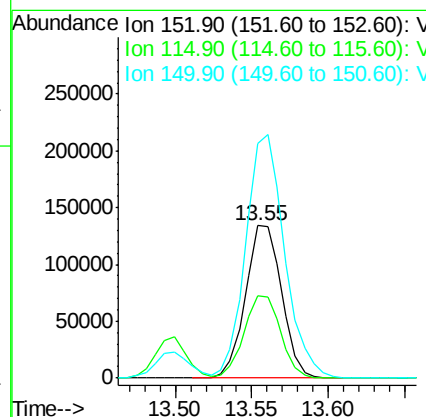
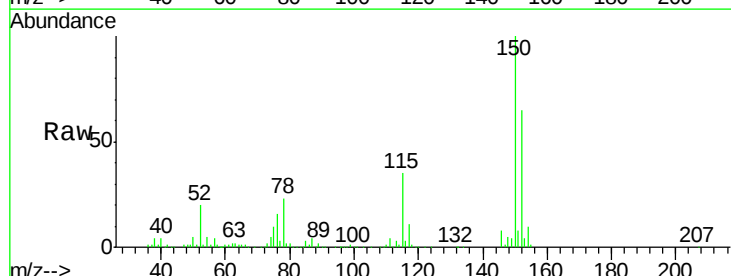
Manual Integrations
APPROVED

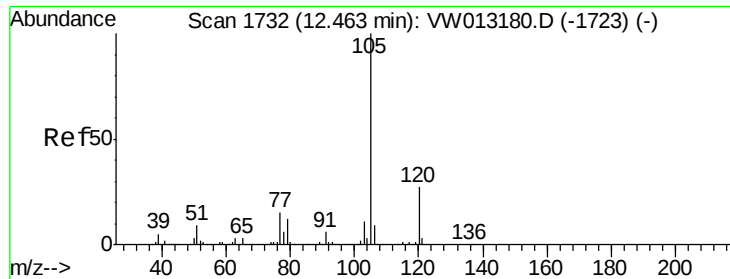
MMDadoda
9/24/2019 5:29:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	170.9	0.0	349.0





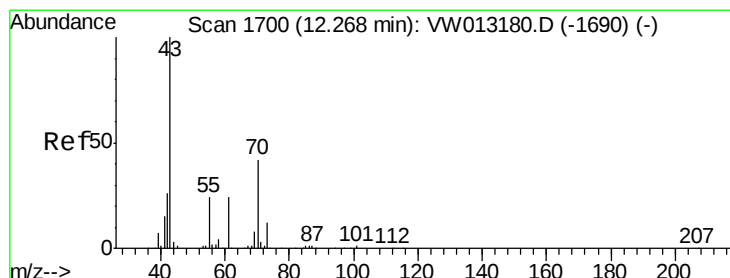
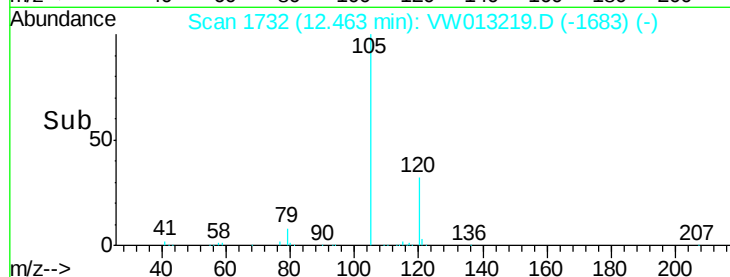
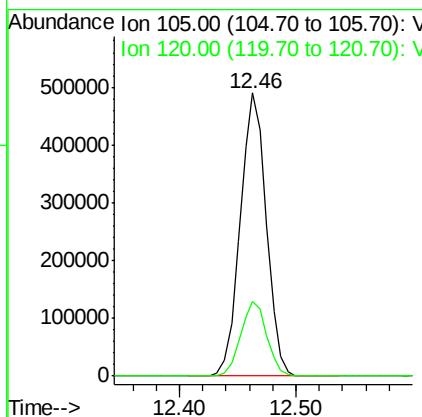
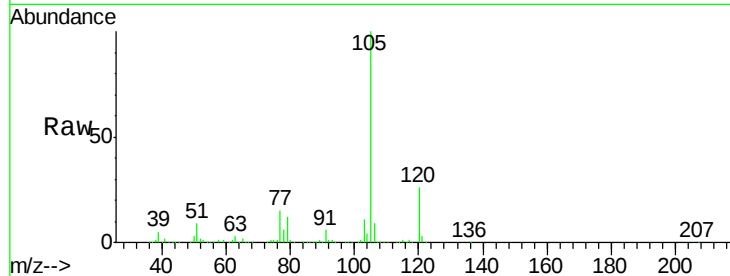
#73
Isopropylbenzene
Concen: 46.821 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.1

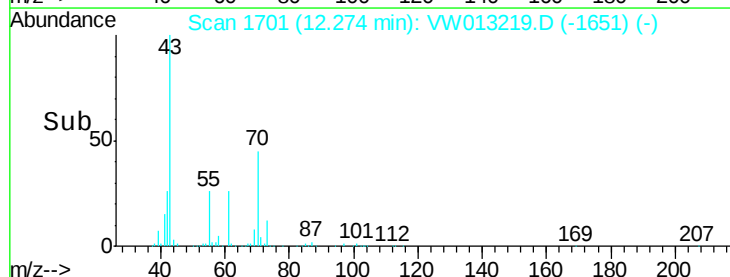
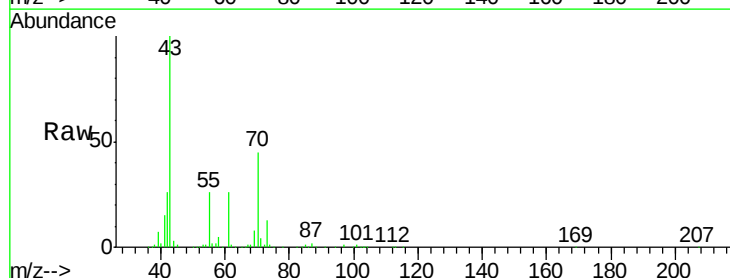
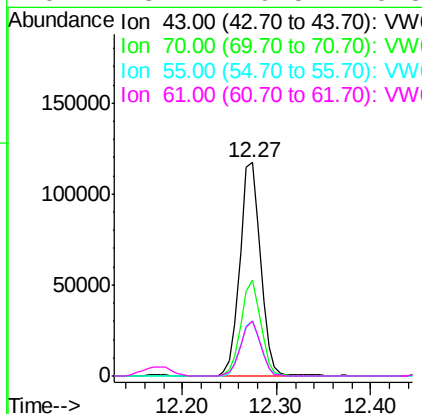
Manual Integrations
APPROVED

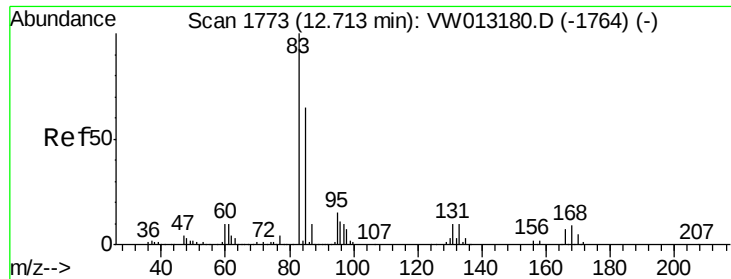
MMDadoda
9/24/2019 5:29:25 AM



#74
N-ethyl acetate
Concen: 49.701 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.1	52.7
55	25.4	19.9	29.9
61	25.2	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.939 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

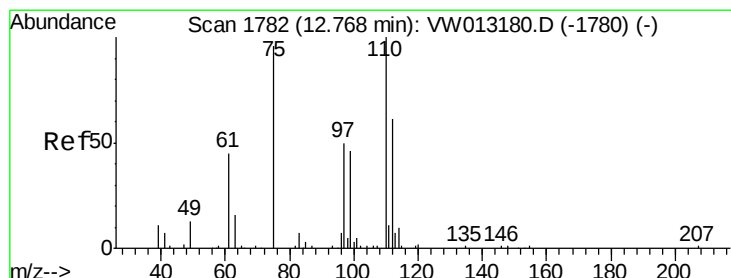
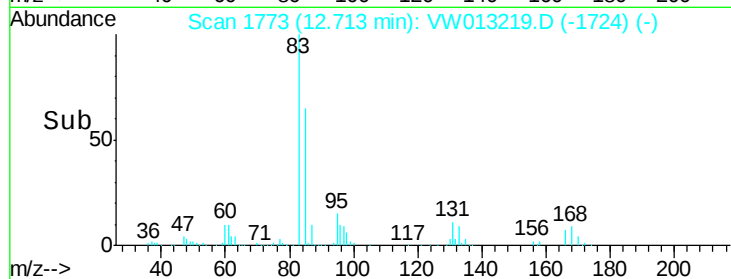
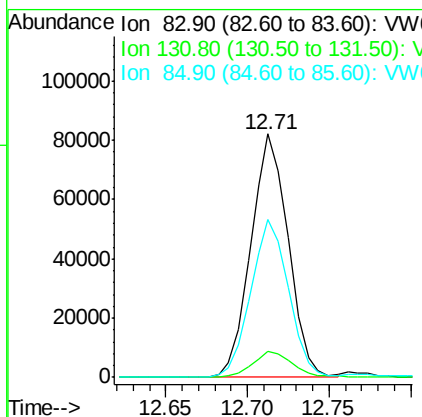
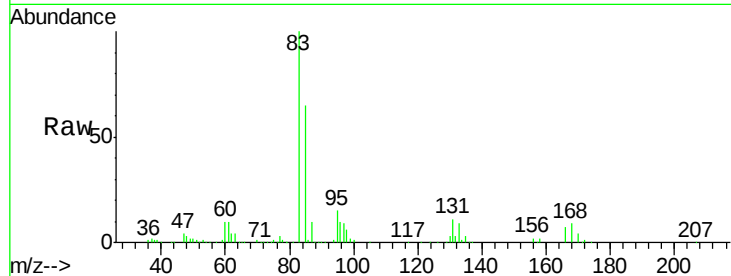
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	130727
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	65.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.311 ug/l m

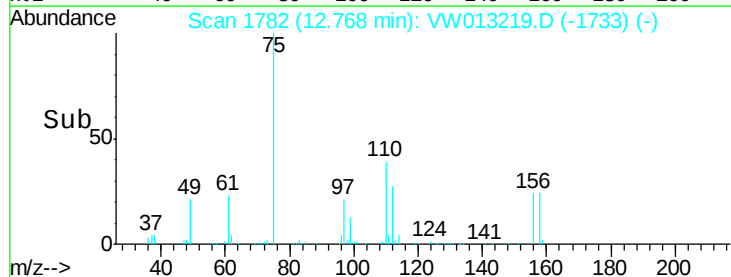
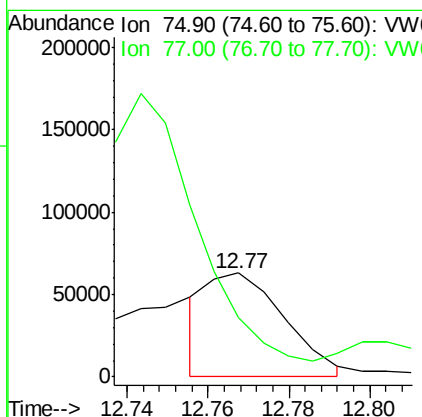
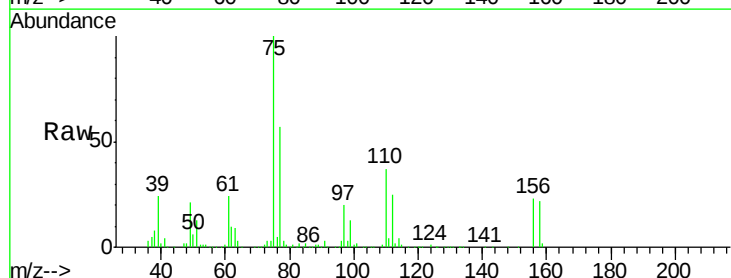
RT: 12.77 min Scan# 1782

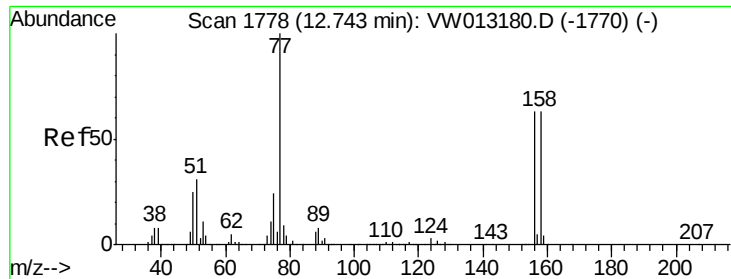
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	75	Resp:	84426
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





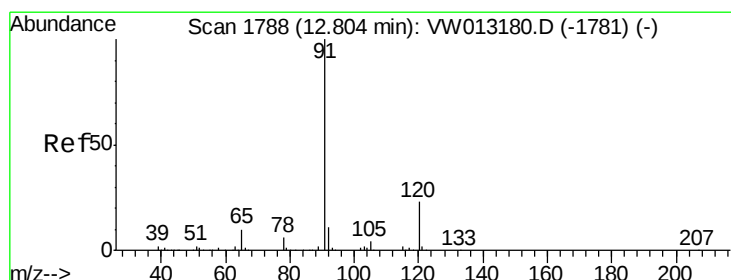
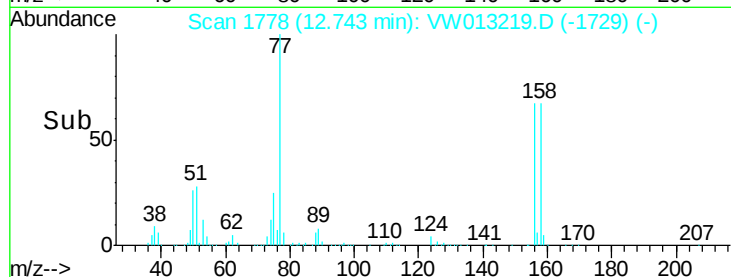
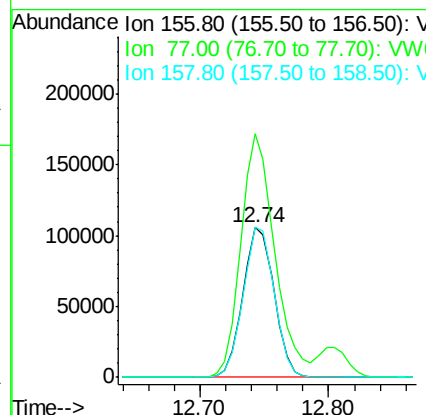
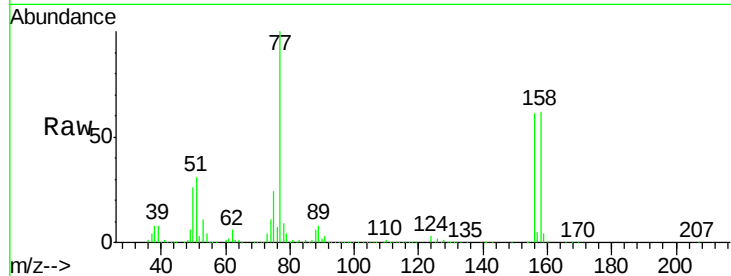
#77
Bromobenzene
Concen: 45.864 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.5	85.7	257.1
158	99.4	48.1	144.4

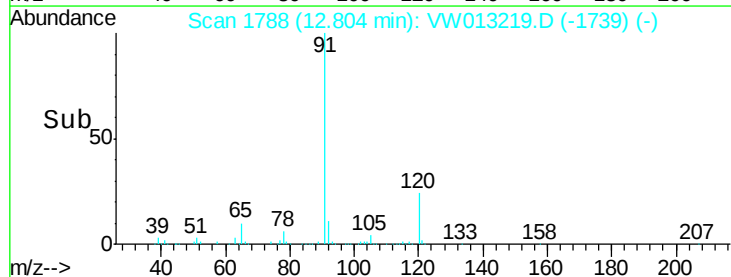
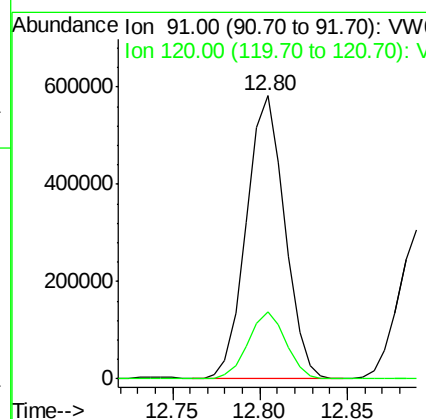
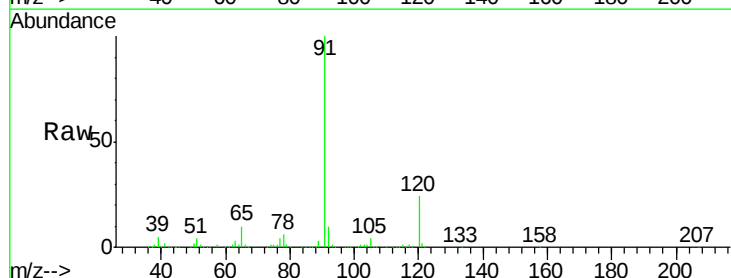
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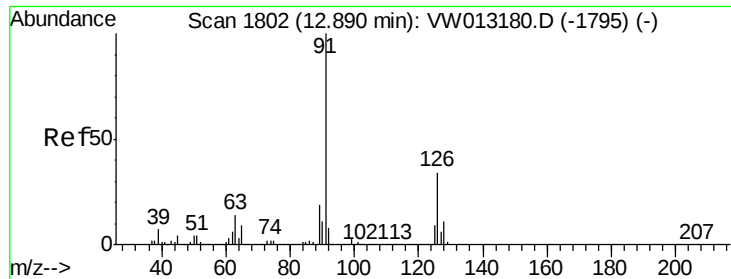
MMDadoda
9/24/2019 5:29:25 AM



#78
n-propylbenzene
Concen: 46.465 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1





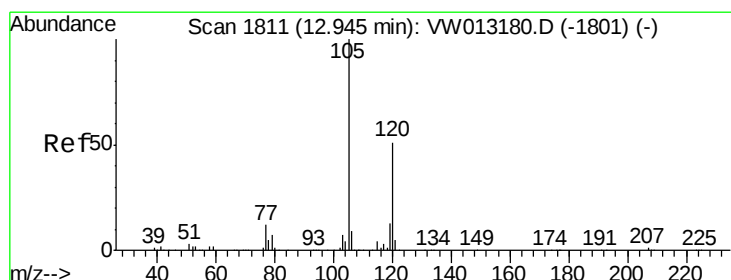
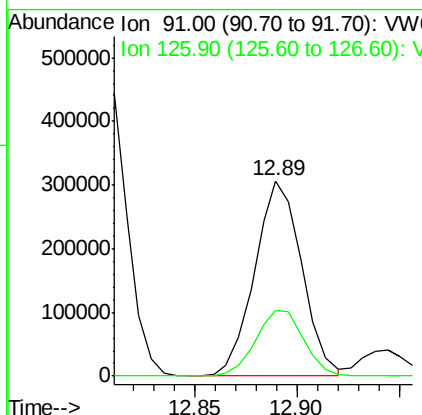
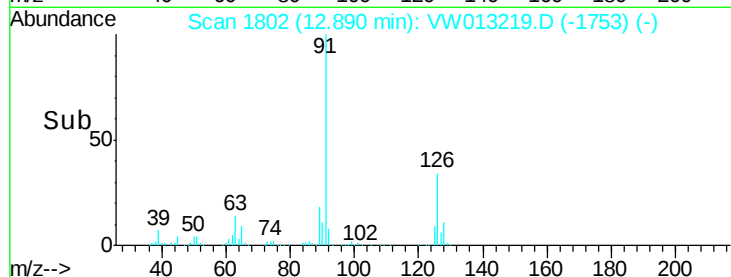
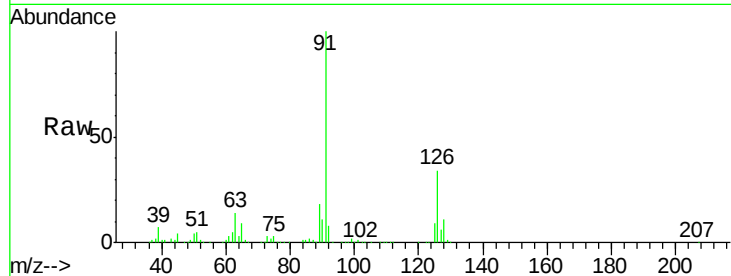
#79
 2-Chlorotoluene
 Concen: 46.134 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 493293
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.2 51.5

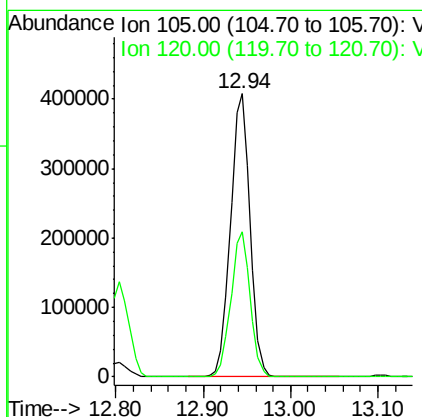
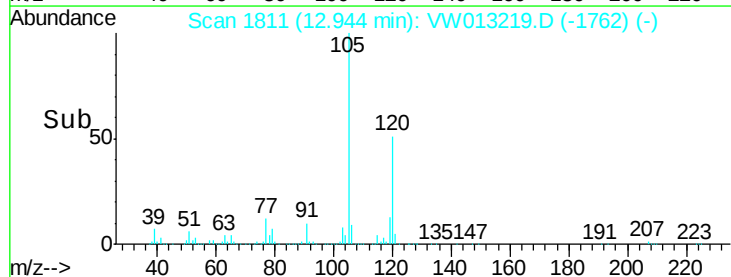
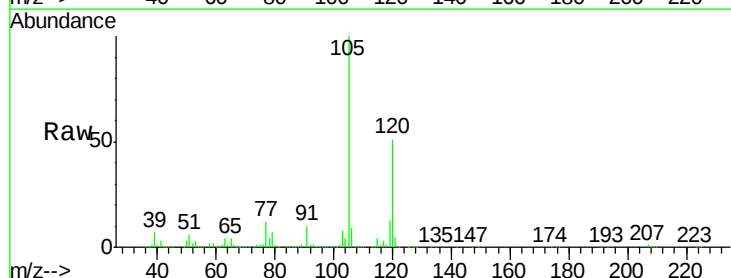
Manual Integrations
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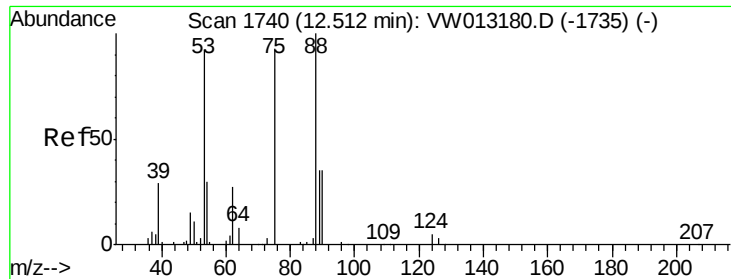
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.319 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion: 105 Resp: 634860
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.265 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

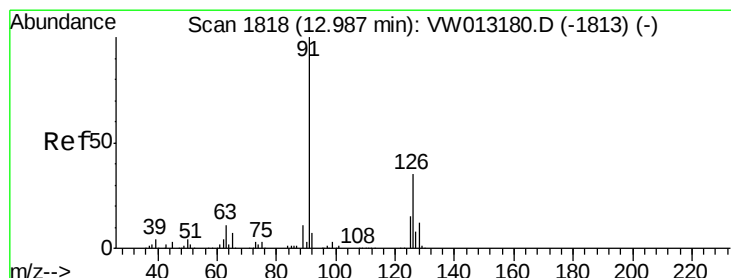
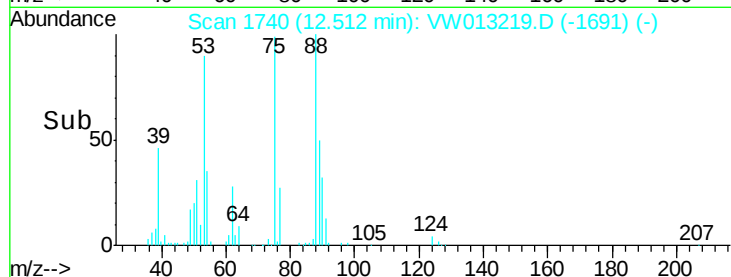
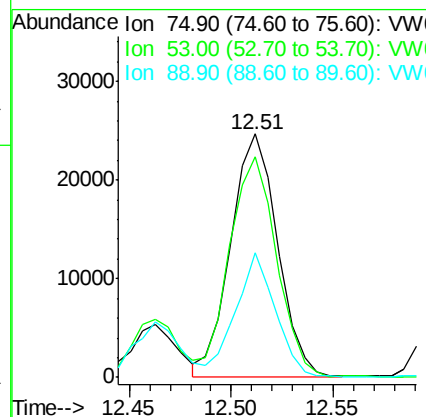
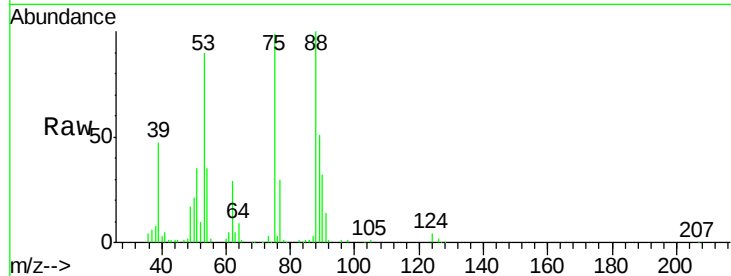
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	39322
Ion Ratio	Lower	Upper	
75	100		
53	92.2	76.6	114.8
89	43.6	33.5	50.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.957 ug/l

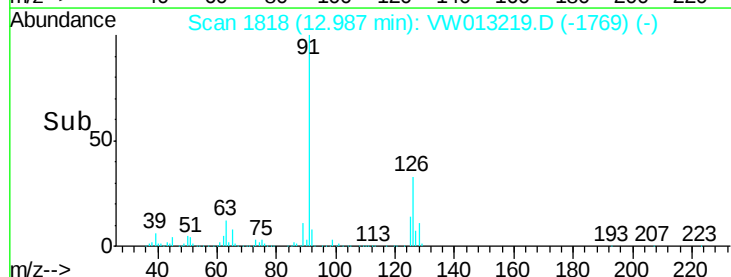
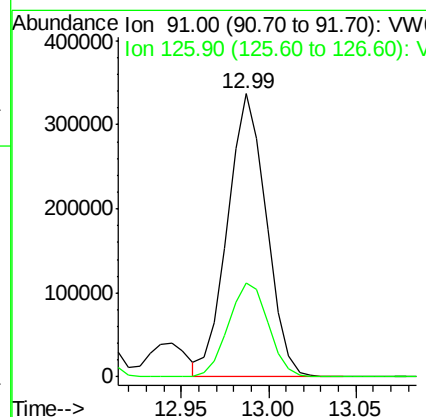
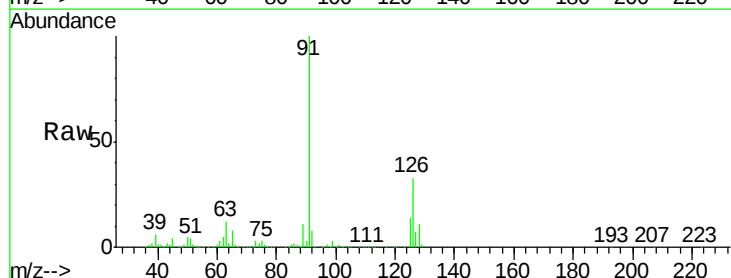
RT: 12.99 min Scan# 1818

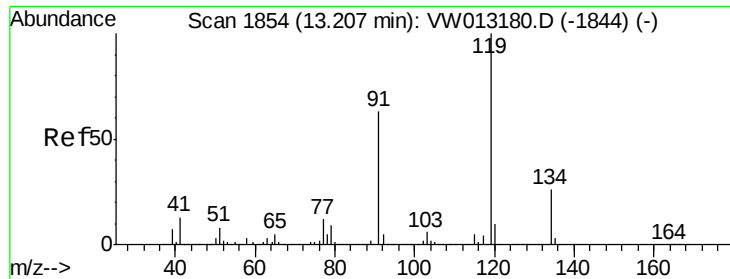
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion:	91	Resp:	518198
Ion Ratio	Lower	Upper	
91	100		
126	34.2	17.3	51.7





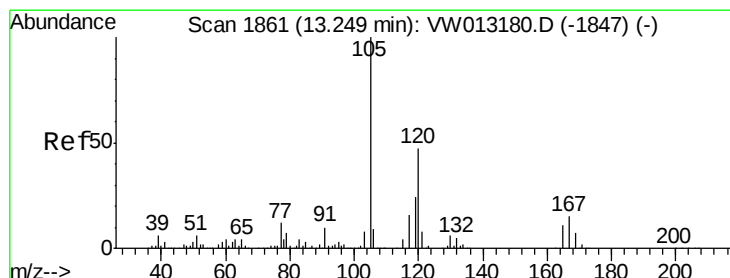
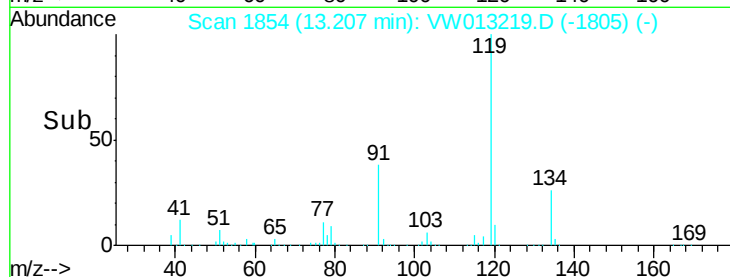
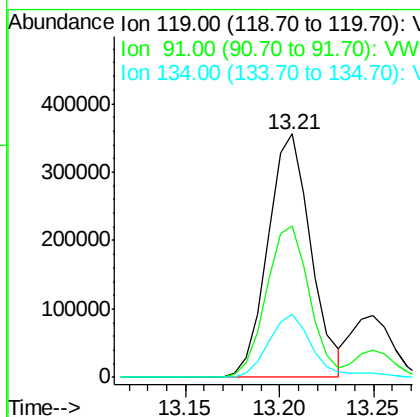
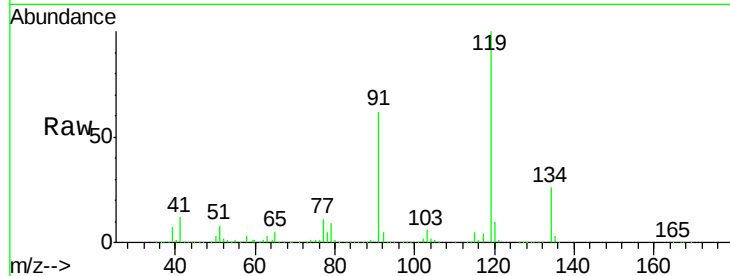
#83
tert-Butylbenzene
Concen: 46.853 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.7	92.1
134	26.8	12.6	37.6

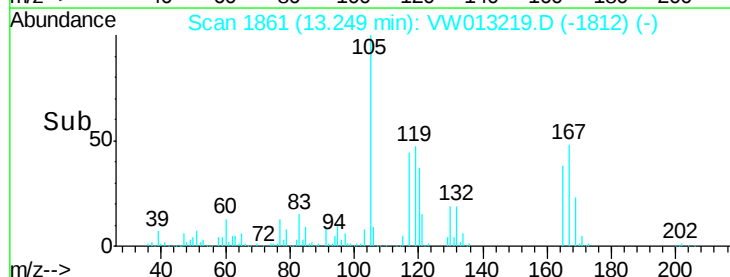
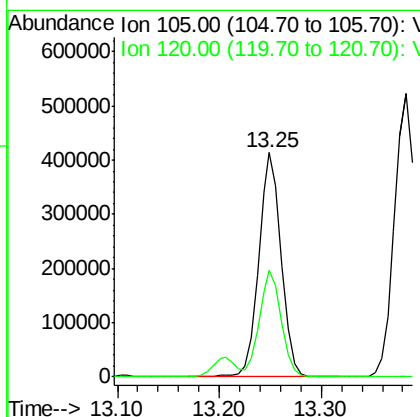
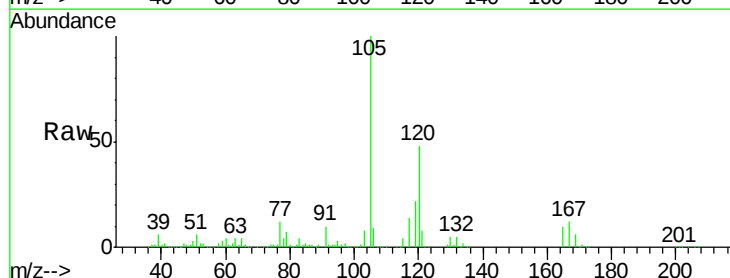
Manual Integrations
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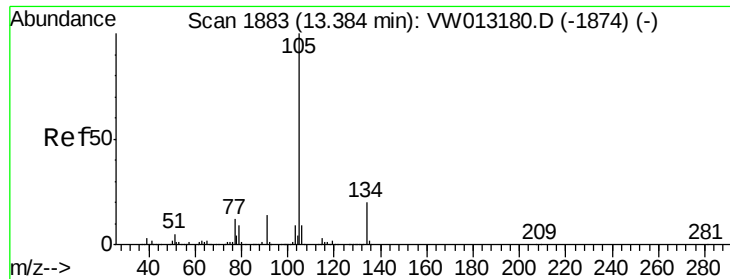
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#84
1,2,4-Trimethylbenzene
Concen: 46.411 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 46.738 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 775182

Ion Ratio Lower Upper

105 100

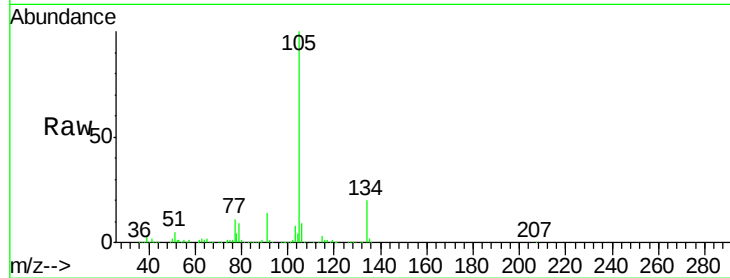
134 20.5 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

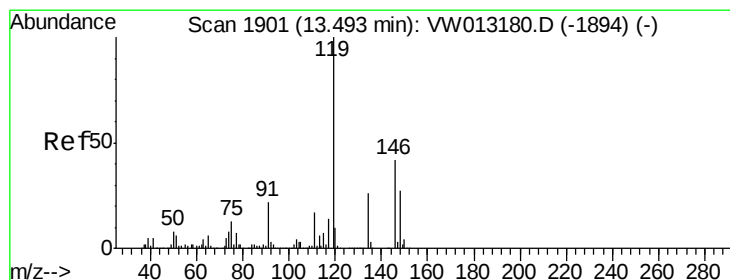
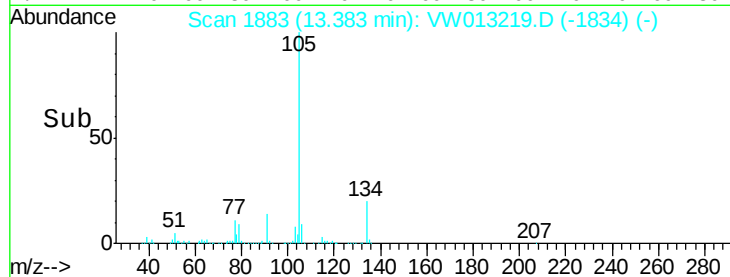
100000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 46.449 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

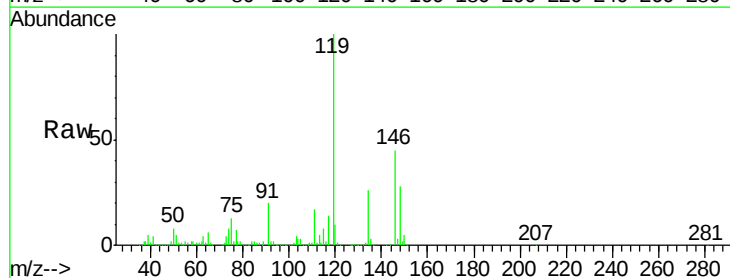
Tgt Ion:119 Resp: 714555

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.5 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

200000

100000

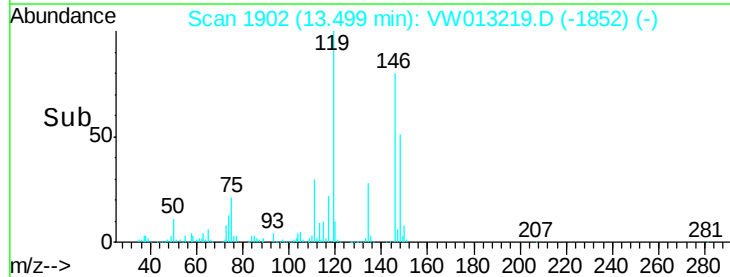
0

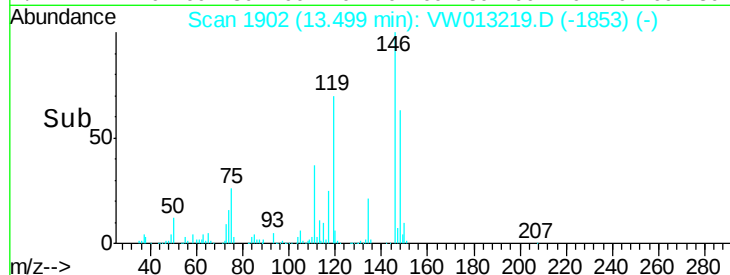
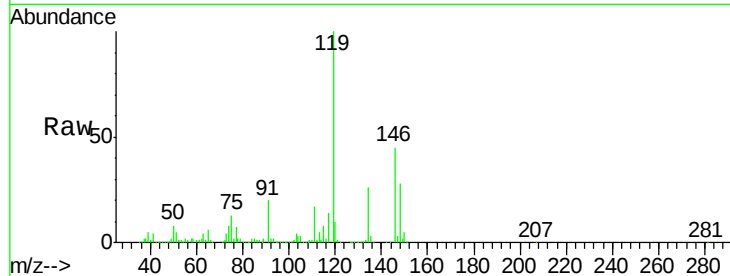
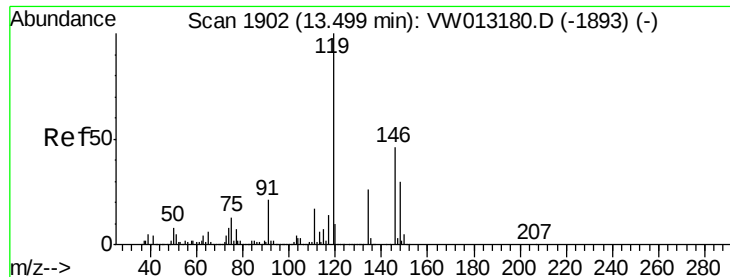
13.45

13.50

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013219.D

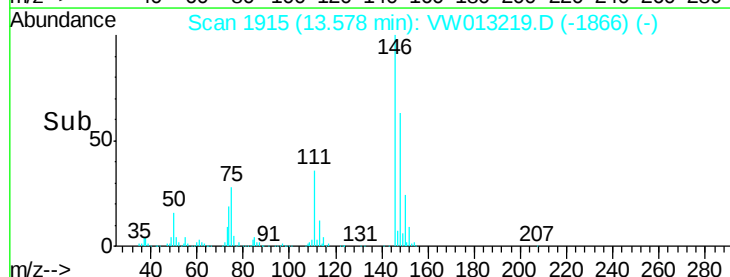
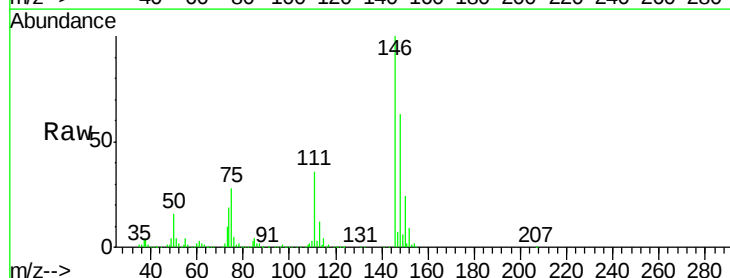
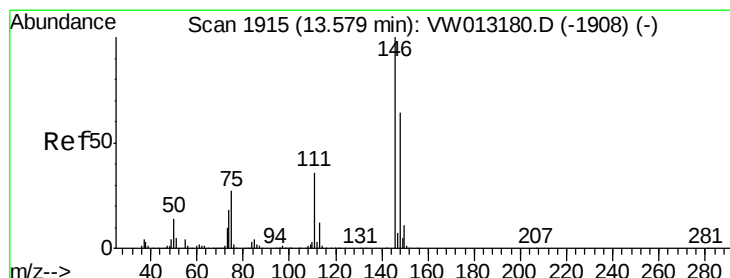
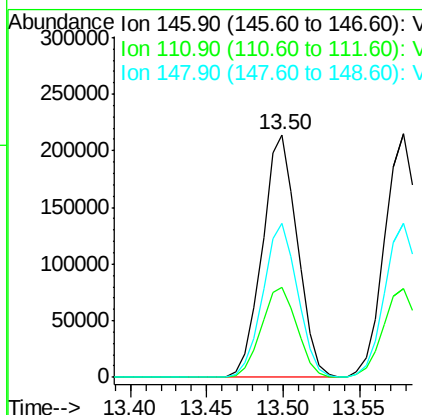
Acq: 21 Sep 2019 07:48

Tot Ion	Ratio	Resp	Lower	Upper
146	100	342402		
111	37.8	18.9	56.9	
148	62.7	31.9	95.5	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.991 ug/l

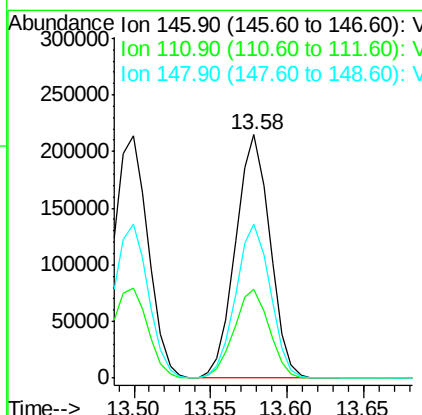
RT: 13.58 min Scan# 1915

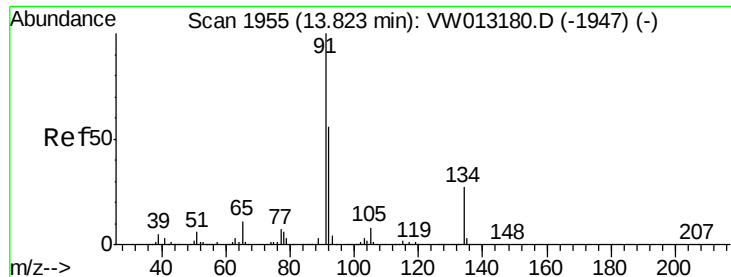
Delta R.T. -0.00 min

Lab File: VW013219.D

Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	335423		
111	37.4	18.4	55.0	
148	63.9	32.1	96.3	





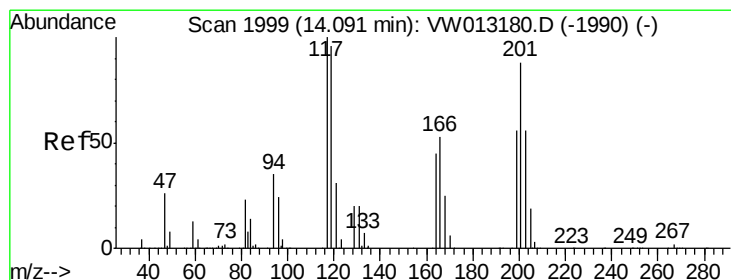
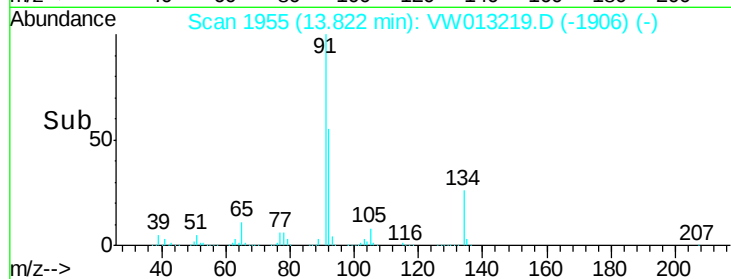
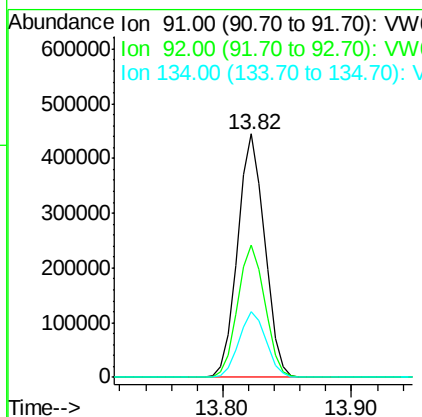
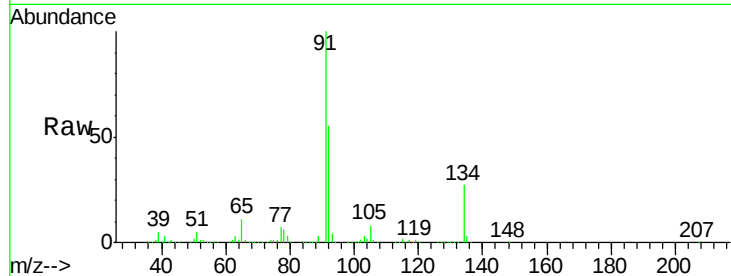
#89
n-Butylbenzene
Concen: 46.090 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.6	82.8
134	27.0	13.7	41.1

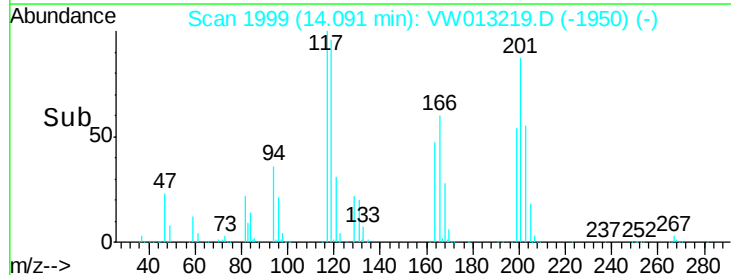
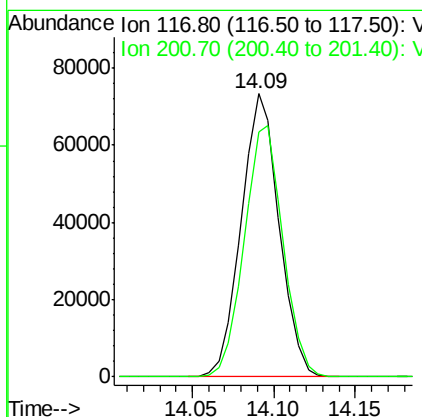
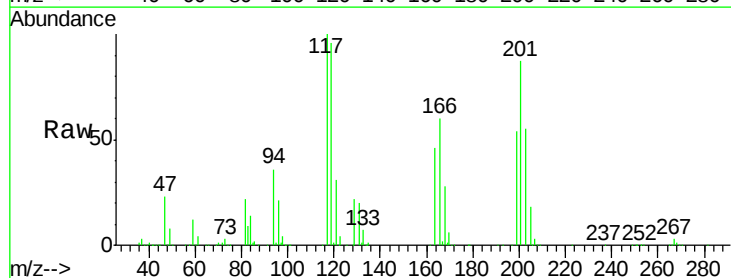
Manual Integrations
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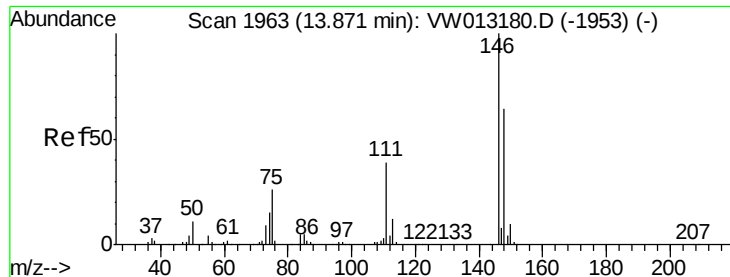
MMDadoda
9/24/2019 5:29:25 AM



#90
Hexachloroethane
Concen: 45.857 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	44.5	133.5





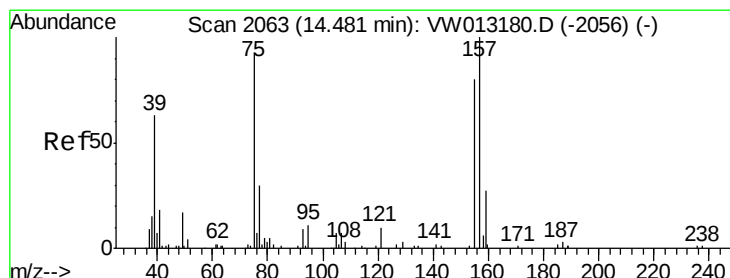
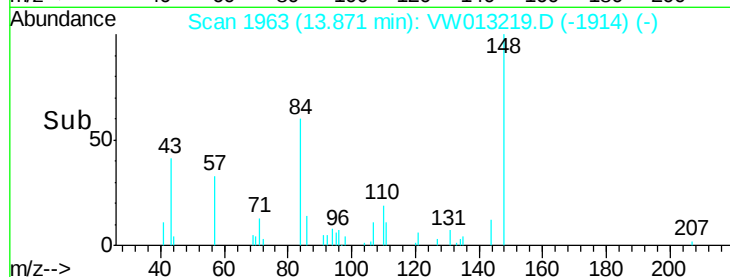
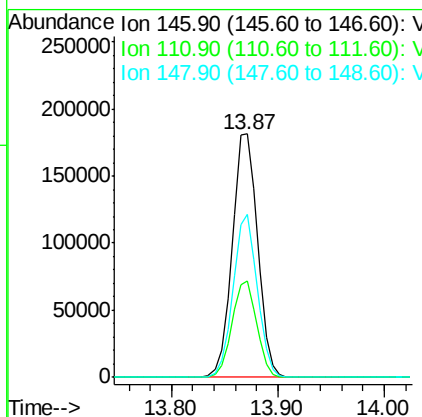
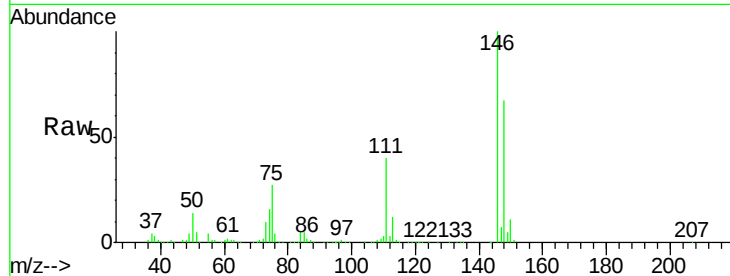
#91
 1,2-Dichlorobenzene
 Concen: 47.293 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.1	60.3
148	64.0	32.0	96.0

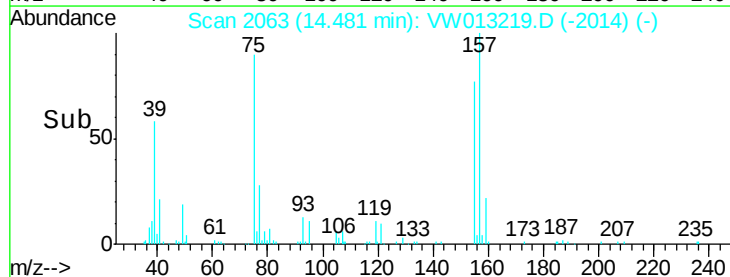
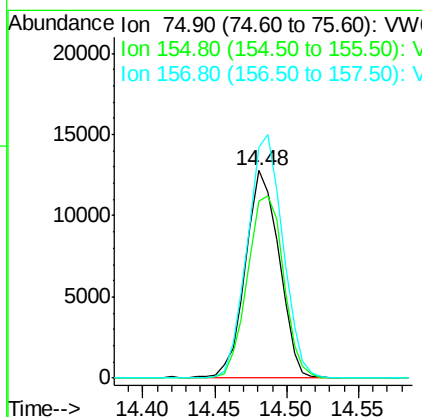
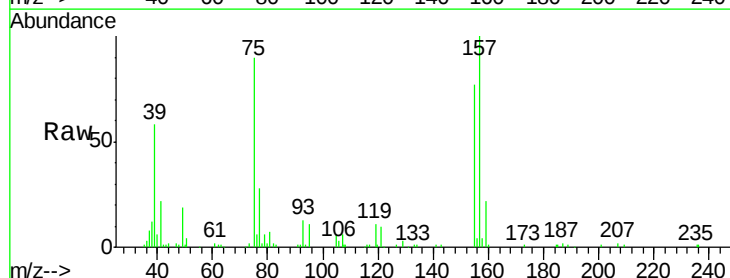
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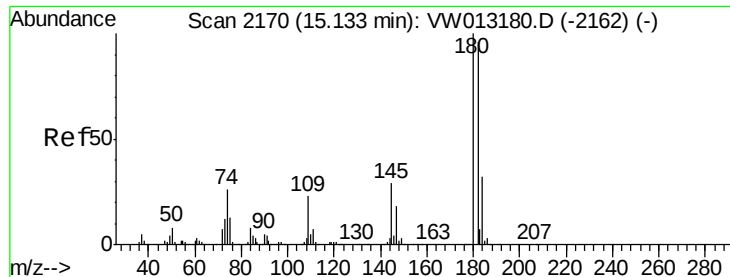
MMDadoda
 9/24/2019 5:29:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.681 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	46.1	138.3
157	122.8	60.4	181.2





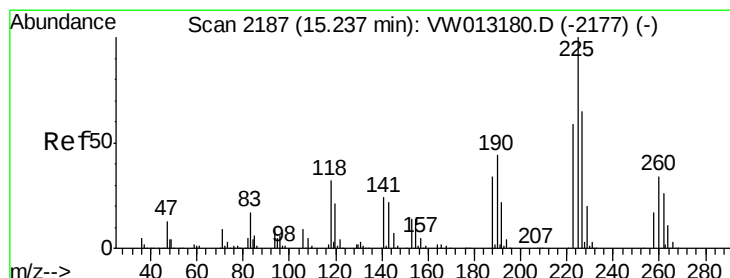
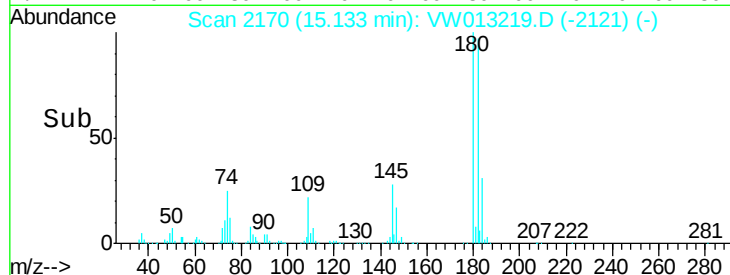
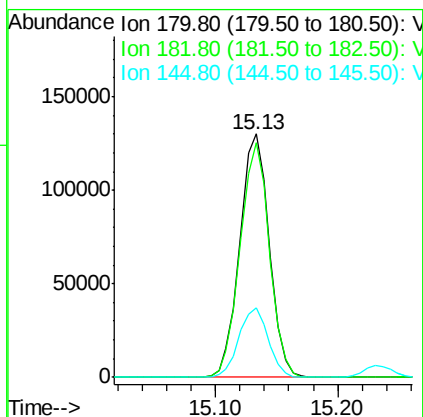
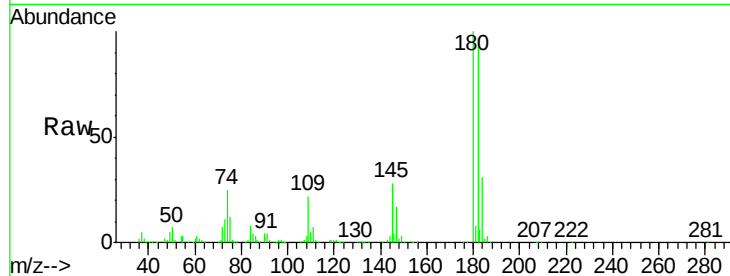
#93
 1,2,4-Trichlorobenzene
 Concen: 47.027 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216794		
182	95.8	47.3	142.0	
145	28.3	14.2	42.8	

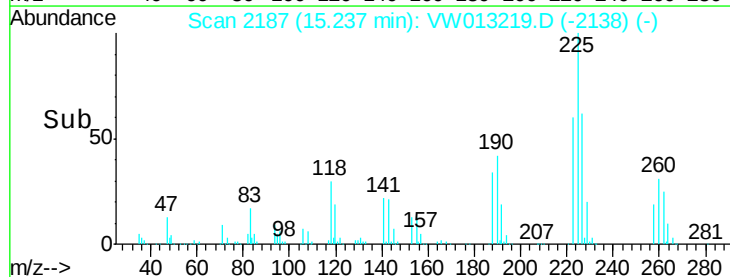
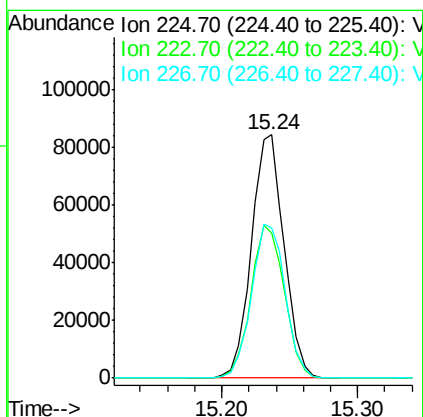
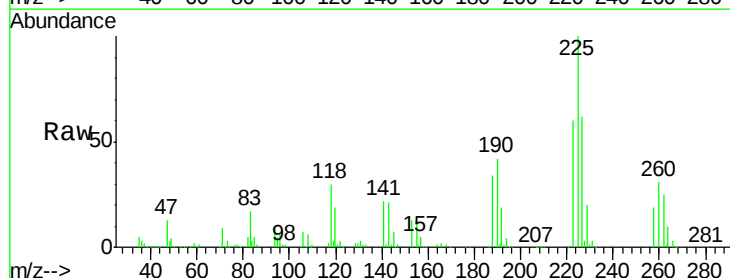
Manual Integrations
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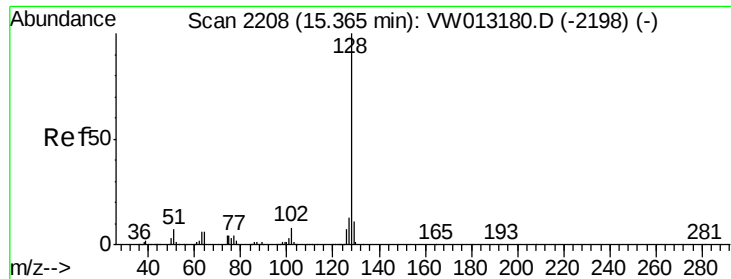
MMDadoda
 9/24/2019 5:29:25 AM



#94
 Hexachlorobutadiene
 Concen: 44.930 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013219.D
 Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141706		
223	64.2	30.6	91.8	
227	65.4	31.9	95.9	





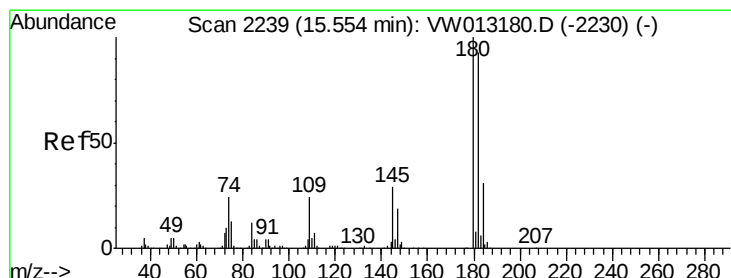
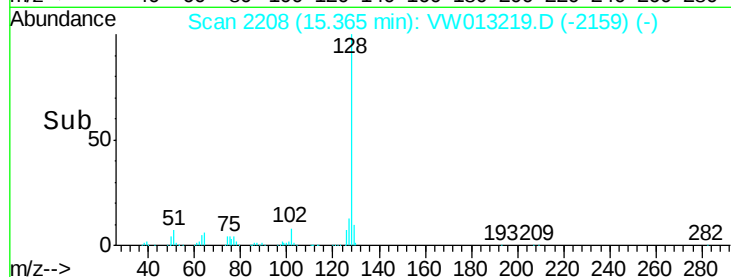
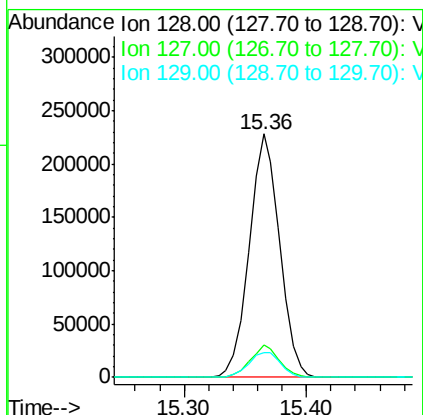
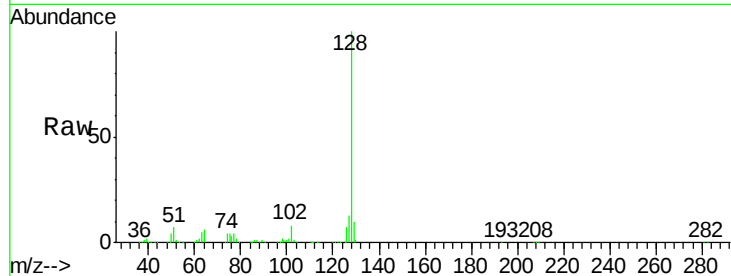
#95
Naphthalene
Concen: 52.179 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	393415		
127	12.7	10.6	15.8	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.751 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013219.D
Acq: 21 Sep 2019 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	190211		
182	95.1	47.9	143.7	
145	30.1	15.0	45.0	

